



West Grey Climate Change Action Plan

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Agenda

- What is a Climate Change Action Plan (CCAP)?
- Plan Development Process
- Corporate GHG Emissions Inventory
- Emissions Reductions Target
- Climate Action Strategy
- Plan Implementation



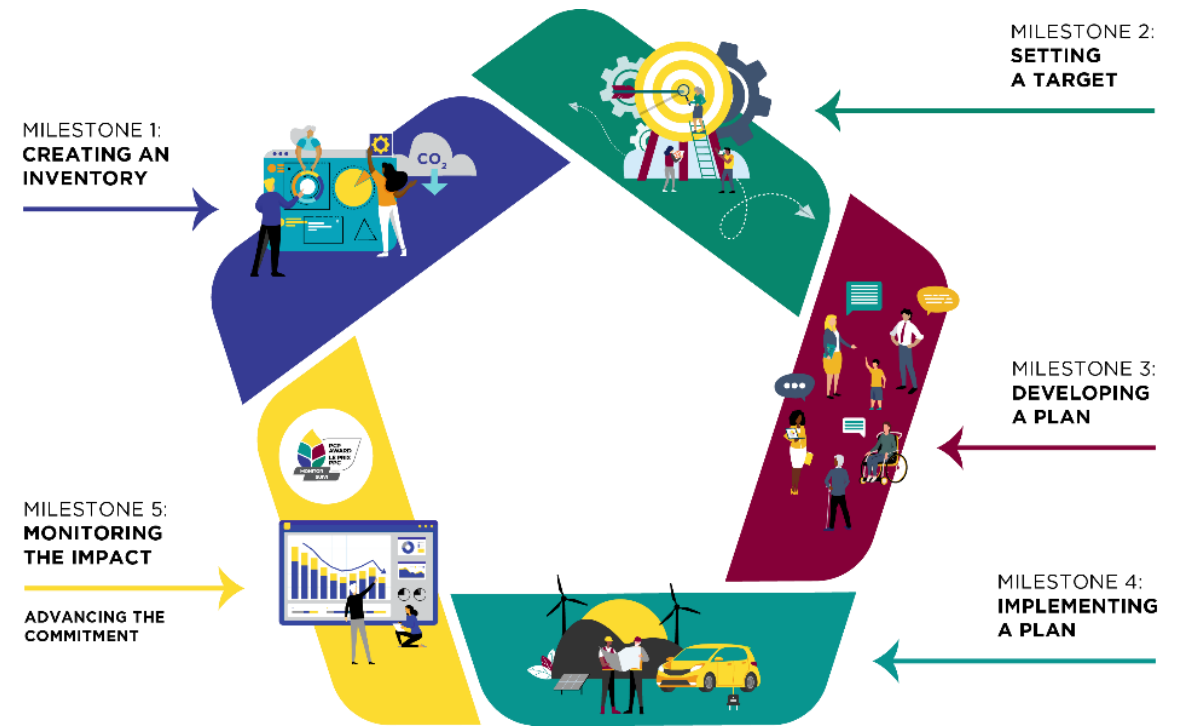
What is a CCAP?

Long-term strategy to realize a sustainable, low-emissions, energy-efficient future.

Details how WG currently uses energy.

Forecasts energy use into the future.

Specifies actions that will reduce emissions across sectors.



Plan Development Process

PHASE 1 Oct – Dec 2021	PHASE 2 Dec 2021 – May 2022	PHASE 3 Jun – Aug 2022
TASKS • Kick-off Meeting • Workplan and schedule refinement • Review of West Grey’s relevant materials • Establish working groups • Establish communications plan	TASKS • Data collection, review and refinement • BAU scenario development • Documentation and reporting of inventory and scenarios • Identification of existing planning initiatives, opportunities, constraints • Presentation to council	TASKS • Develop goals and targets • Public survey • Strategy development • Strategy quantification
PHASE 4 Sept 2022 – Jan 2023	PHASE 5 Feb 2023	
TASKS • Develop finalized list of recommended actions • Develop implementation and monitoring plan • First draft of CCAP	TASKS • Draft final CCAP • Council presentation of draft CCAP • Presentation to council • Grant opportunity collaboration with staff	

Stakeholder Engagement



Climate advisory committee

Crafted Vision Statement

Set level of ambition and emissions reduction Target



Regular updates of CCAP development + engagement opportunities shared with public

via newsletters, media releases, website updates, social media



Resident survey to gain feedback on CCAP development

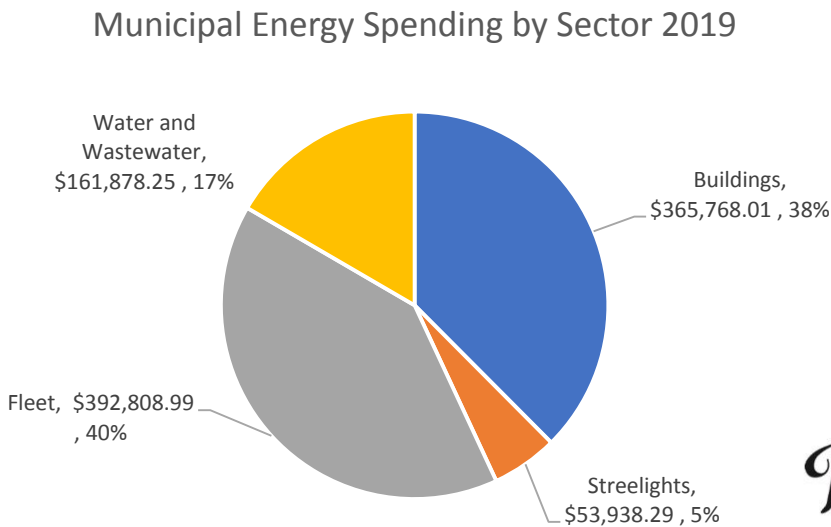
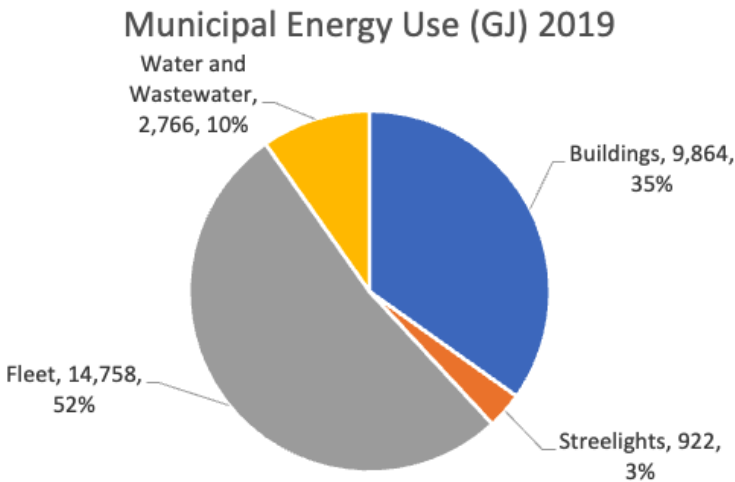
via WG website (n=72)



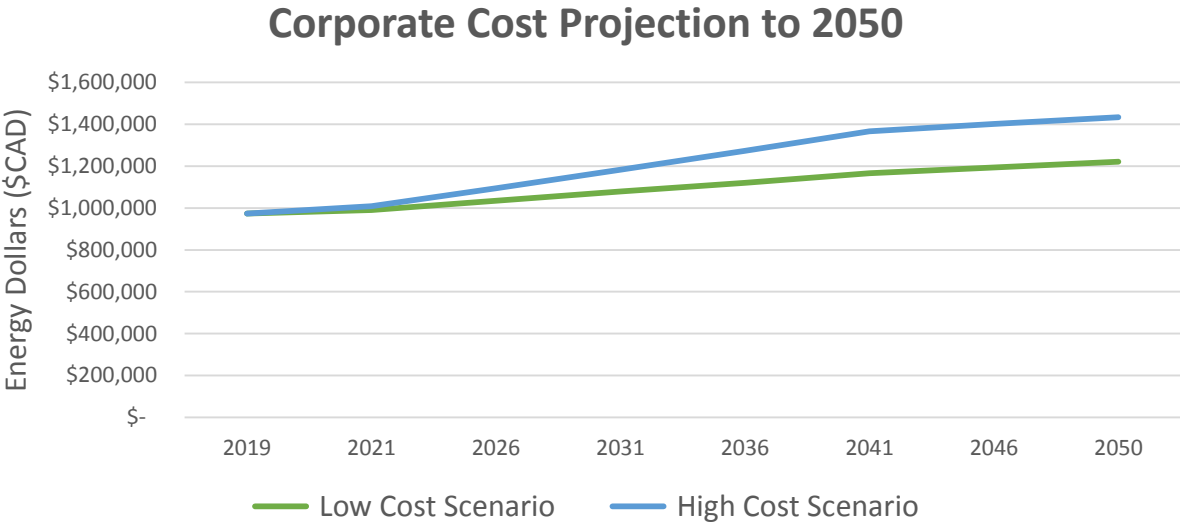
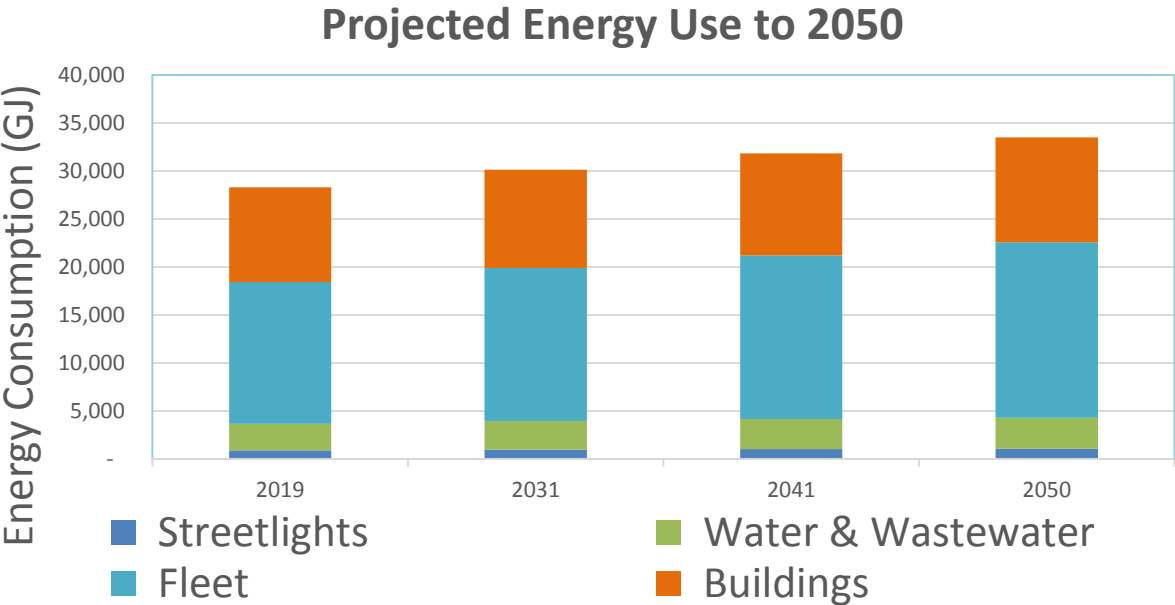
West Grey

Energy and Emissions Summary

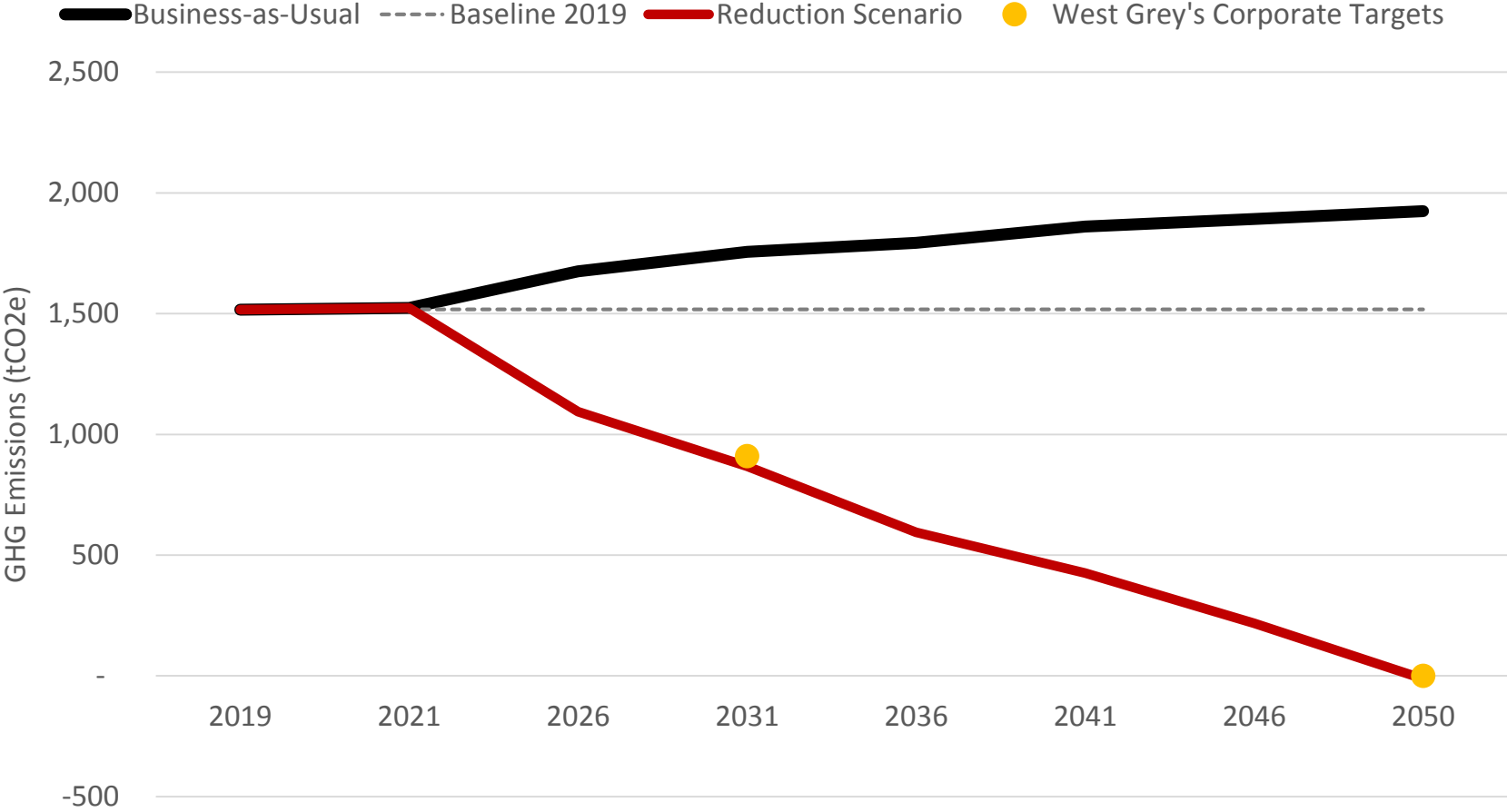
Sector	Energy Consumption (GJ)	Energy Costs (\$)	GHG Emissions (tCO2e)
Buildings	9,864	\$365,768	324
Fleet	14,578	\$392,808	993
Streetlights	922	\$53,938	2
Water & Wastewater	2,766	161,878	8
Landfilled Waste	N/A	N/A	862
Operational Waste	N/A	N/A	170
Total	28,310	\$974,393	2,381



Business-As-Usual Projection: “What would happen if no climate action were taken”



Emission Pathways to 2050)



Reduction Target

40% reduction in corporate greenhouse gas emissions by 2030 relative to 2019 levels;

and net-zero greenhouse gas emissions by 2050.

15 climate actions proposed
to meet these targets

- Modelled reduction potential achieves an 86% reduction by 2050
- To reach net-zero offsets and sequestration from measures such as renewable energy production and nature-based solutions will be needed



Climate Action by Sector

Vehicle Fleet & Equipment

Strategy #1

Develop a Green Fleet Plan

Strategy #2

Install EV Chargers at Municipal Parking Lots and Buildings

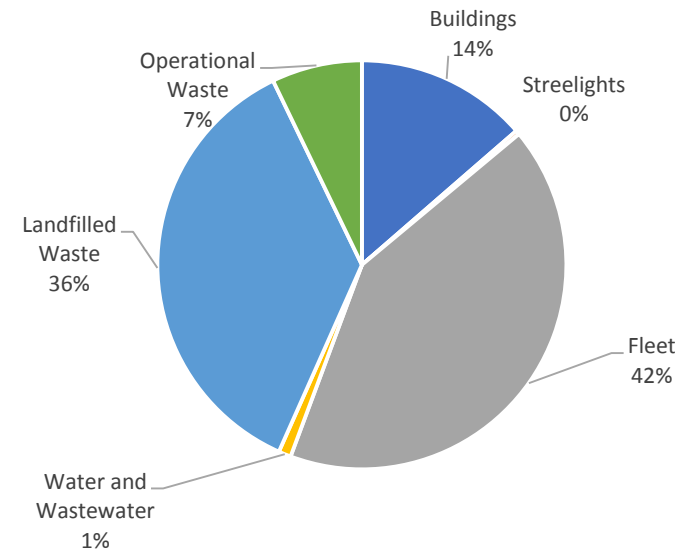
Strategy #3

Fleet Optimization

Strategy #4

Reducing Emissions from Single Passenger Commuting & Private Vehicles

Municipal GHG Emissions by sector (tCO2e)
2019



Climate Action by Sector

Buildings

Strategy #5
Energy Efficient New Buildings

Strategy #6
Develop an Energy Efficiency Strategy for Existing Buildings

Strategy #6.1 Energy Efficiency Retrofits

Strategy #6.2 Implement an Energy Management Plan

Strategy #7
Renewable Energy



Climate Action by Sector

Streetlights

Strategy #8
LED Streetlight Conversion



Water & Wastewater

Strategy #9
Increase the Energy Efficiency of Water and Wastewater
Facilities



Climate Action by Sector

Solid Waste

Strategy #10
Corporate Waste Policy

Strategy #1
Develop a Waste Education and Awareness Program

Strategy #12
Waste Diversion

Strategy #13
Landfill Gas Capture



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Climate Action by Sector

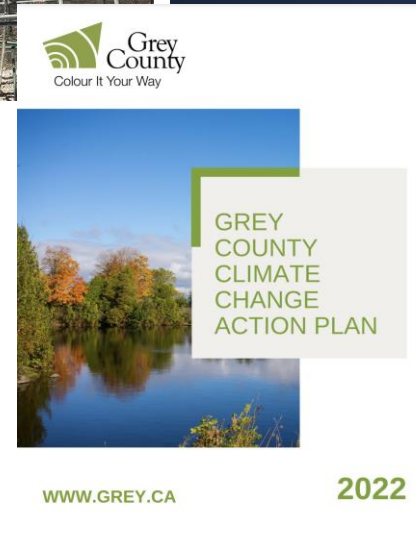
Municipal Culture

Strategy #14
Municipal Climate Lens

Strategy #15
Promote a Culture of Conservation



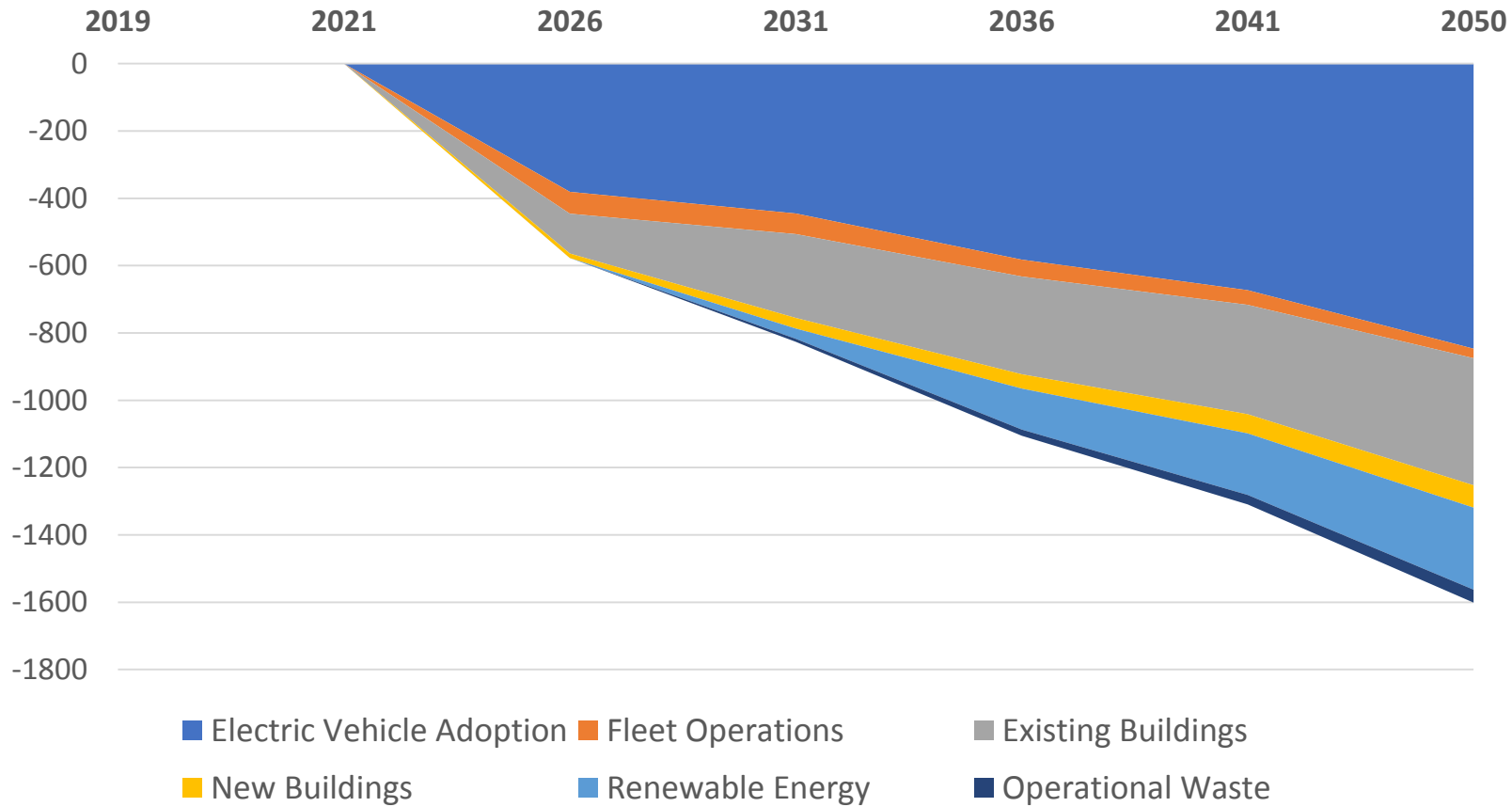
Alignment with Grey County CCAP



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Cumulative Impact of Actions

Aggregated Emission Reduction from Corporate Strategies



Implementation

- Governance
- Financing
- Partnerships
- Monitoring and Review

Strategy	Potential Lead(s)	Potential Partner(s)	Timeframe	Relative Cost	Funding Opportunities	Monitoring Metrics
1) Vehicle Fleet and Equipment Electrification	Infrastructure and Development Department	Grey County & member municipalities	Short-term	Low Cost	Green Municipal Fund: Reduce fossil fuel use in fleets	• Number of electric vehicles • Fuel saved and emissions avoided based on km travelled of replaced vehicles
2) Install EV Chargers on municipal properties	Environment and Capital Projects Officer	Grey County & member municipalities; local businesses and institutions	Short-term	Low Cost	NRCAN Zero Emission Vehicle Infrastructure Program EPCOR Electric Vehicle Charging Station Funding Program Ontario Rural Connectivity Fund (details to be announced later this year)	• Number and type of EV chargers installed • kWhs charged

Participation from stakeholders including:

- Grey County
- member municipalities
- the agricultural community
- renewable energy developers
- existing local energy co-operatives
- EV companies
- Bruce Power
- The Nuclear Innovation Institute
- cycling associations/groups
- conservation authorities
- waste management companies
- community groups/NGOs

Thank you

Questions?



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