



Environment and Climate Policy Introduction

2022 Orientation

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NEW WESTMINSTER

Overview

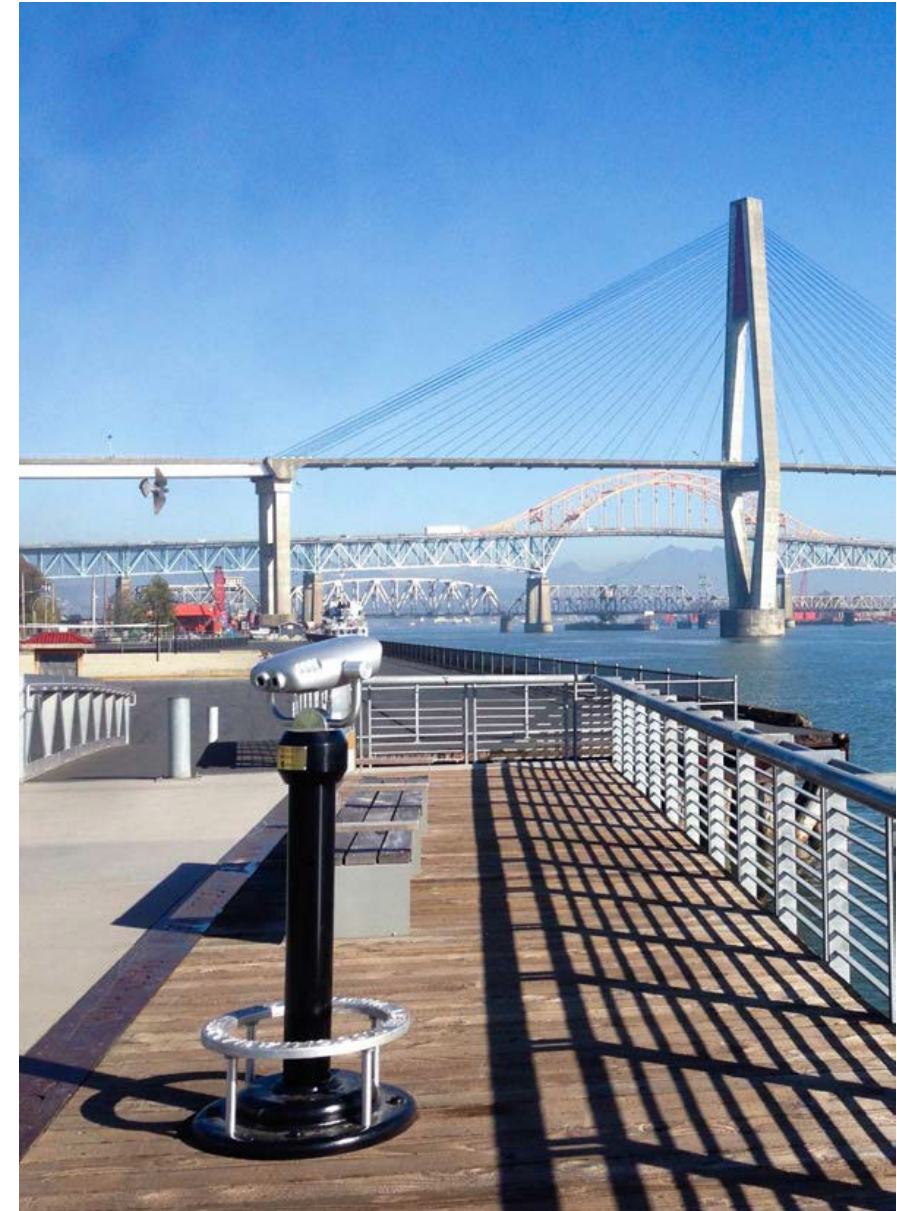
- Mandate
- Climate Emergency and Seven Bold Steps for Climate Action
- Environmental Strategy and more
- Additional Policies



Mandate

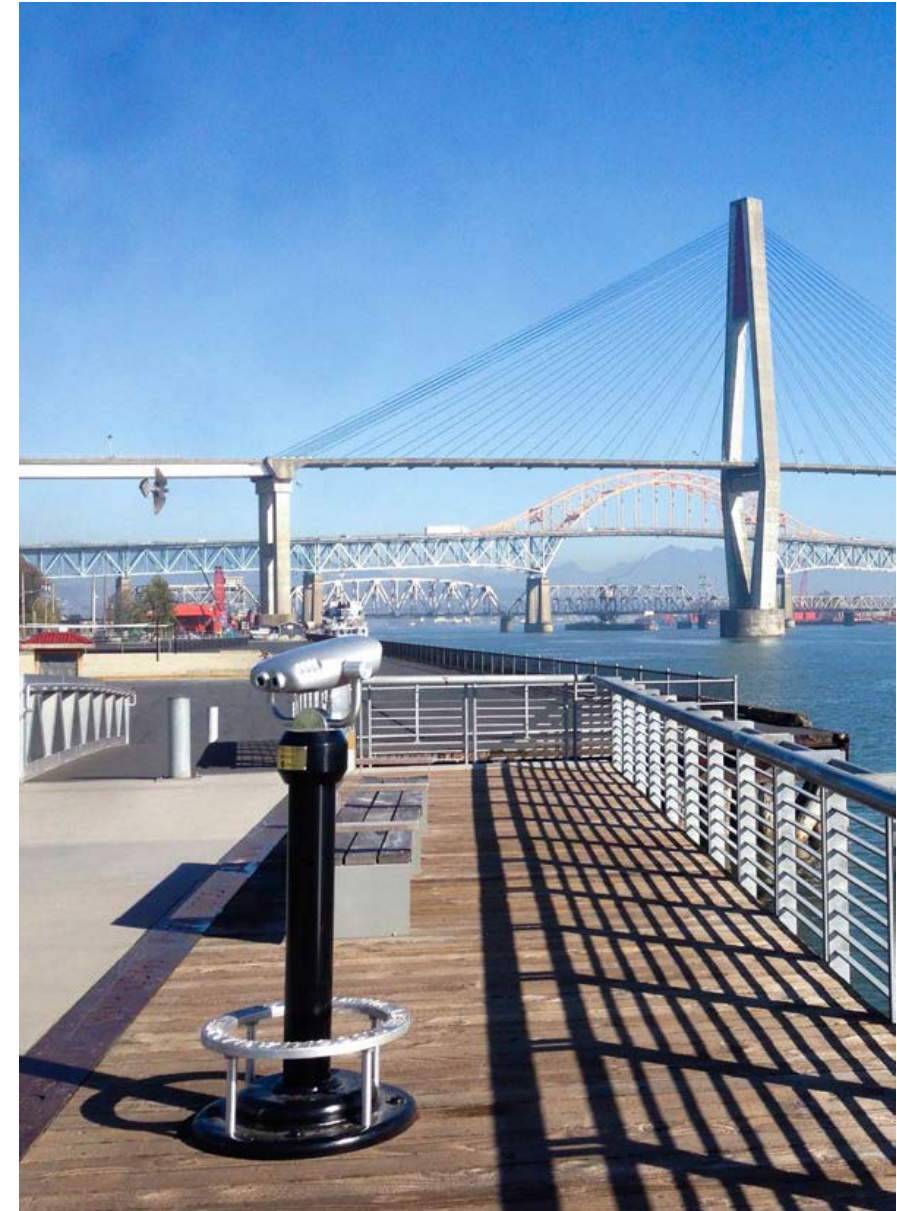
The role of the EnCAC is to respond to questions from and advise the City's Environment and Climate Task Force on:

- Bold actions related to corporate and community energy and emissions with the goal to have net zero emissions by 2050
- The effective implementation of environmental strategies and plans with actions to protect and enhance biodiversity, natural areas, and urban forest.

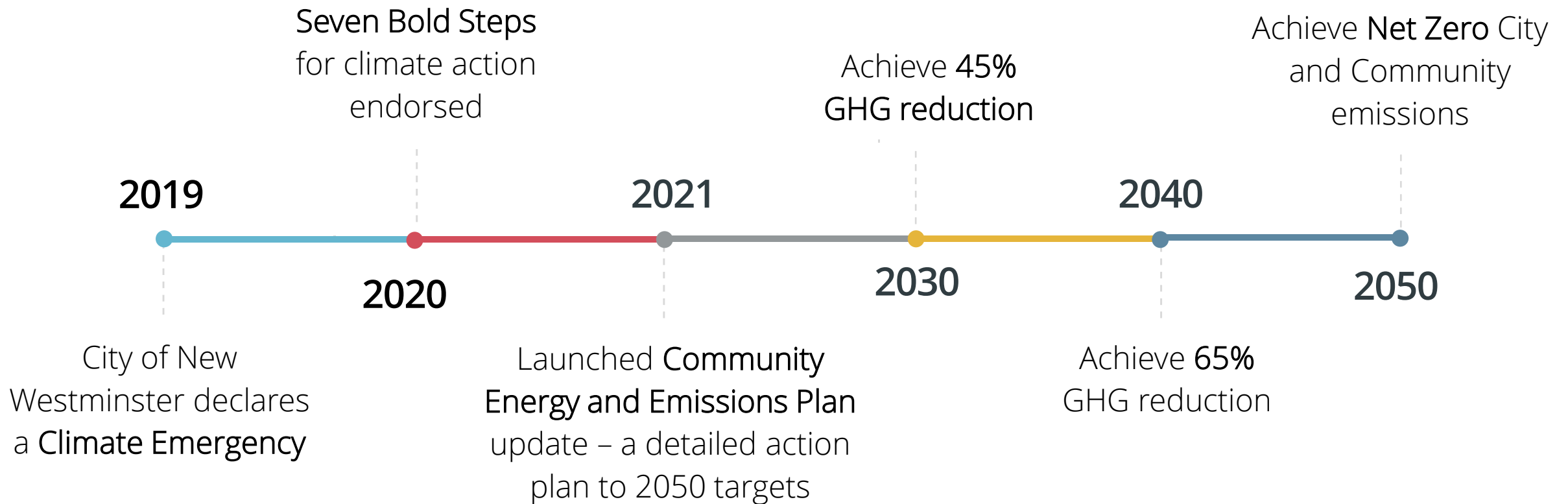


Mandate

- Methods to engage the community, particularly the more vulnerable members of the community.
- Monitoring progress towards achieving the City's environment and climate objectives.
- Any other environment or climate matter referred to the Committee by Council.



Climate Emergency and GHG targets



Bold Step 1: Carbon Free Corporation

The City will reduce its overall carbon footprint and will strive to be net zero carbon emissions by 2050

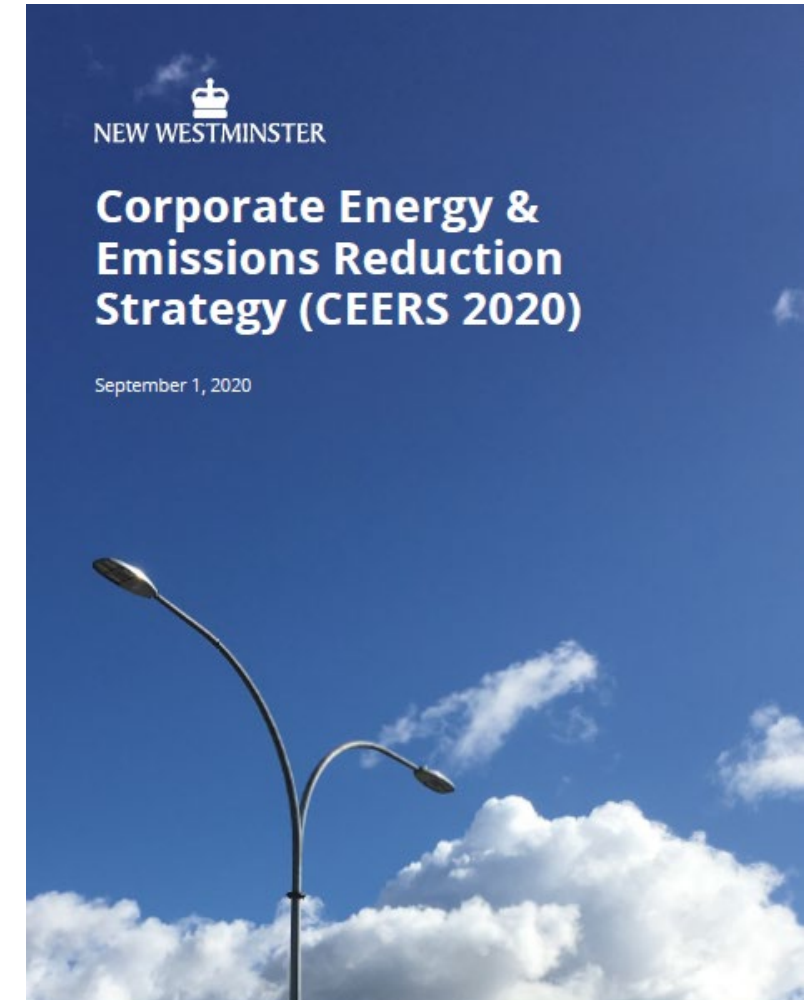


Corporate Energy and Emissions Reduction Strategy (CEERS)

Actionable strategies to be implemented over a 10-year horizon to achieve the City's goal of becoming carbon neutral by 2050.

Work to date has included:

- Electrification of City vehicles and equipment
- Deep energy retrofits and energy efficient upgrades for existing buildings.
- Lighting upgrades



Bold Step 2: Car Light Community

Accelerate the Master Transportation Plan targets for mode split: 60% of all trips within the City will be by sustainable modes of transportation (walk, transit, bike, multi-occupant shared) by 2030.



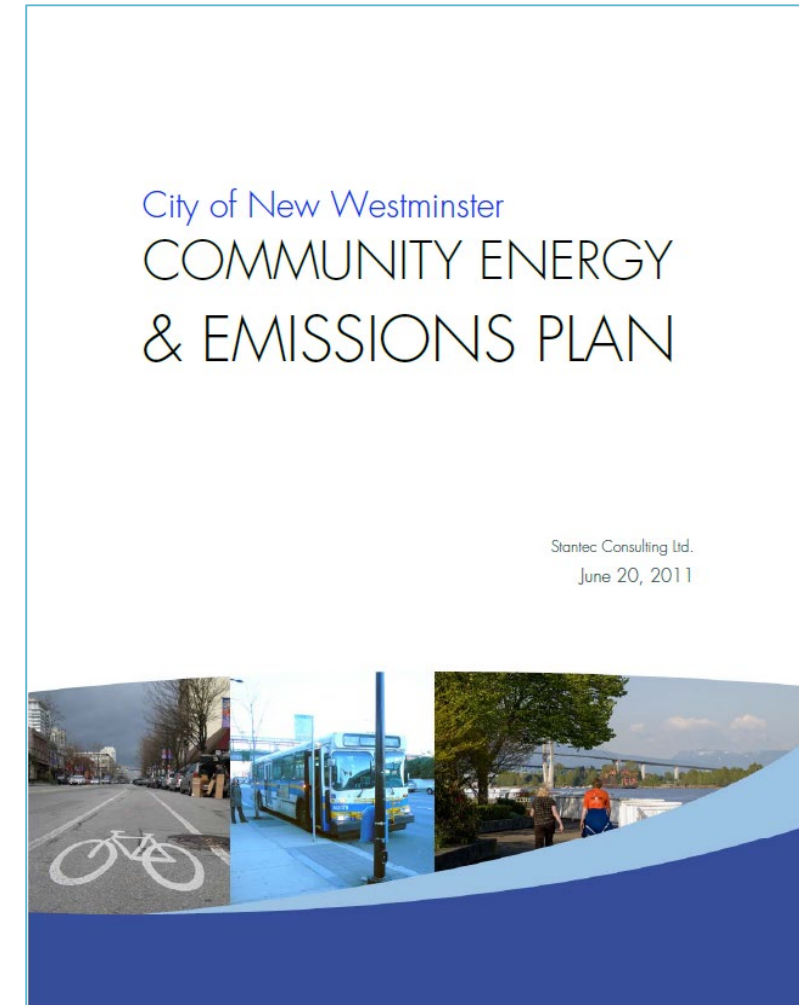
Bold Step 3: Carbon Free Homes and Buildings

Community carbon emissions for all homes and buildings will be reduced significantly. By 2030, all new and replacement heating and hot water systems will be zero emissions



Community Energy and Emissions Plan (CEEP)

- The City developed the City's first Plan in 2011
- The new Plan (now underway) will set a roadmap for reducing community energy consumption and GHG emissions over the next 30 year.
- The original focused on actions in the areas of transportation, buildings and solid waste – the new plan will identify a larger set of actions.



Energy Save New West (ESNW)

Created to improve the energy efficiency of new and existing buildings, support fuel-switching initiatives, and reduce community GHG emissions.

The program provides:

- a range of rebates and incentives for community members,
- assistance with energy and utility upgrades
- technical consulting and industry training for local builders, designers and architects



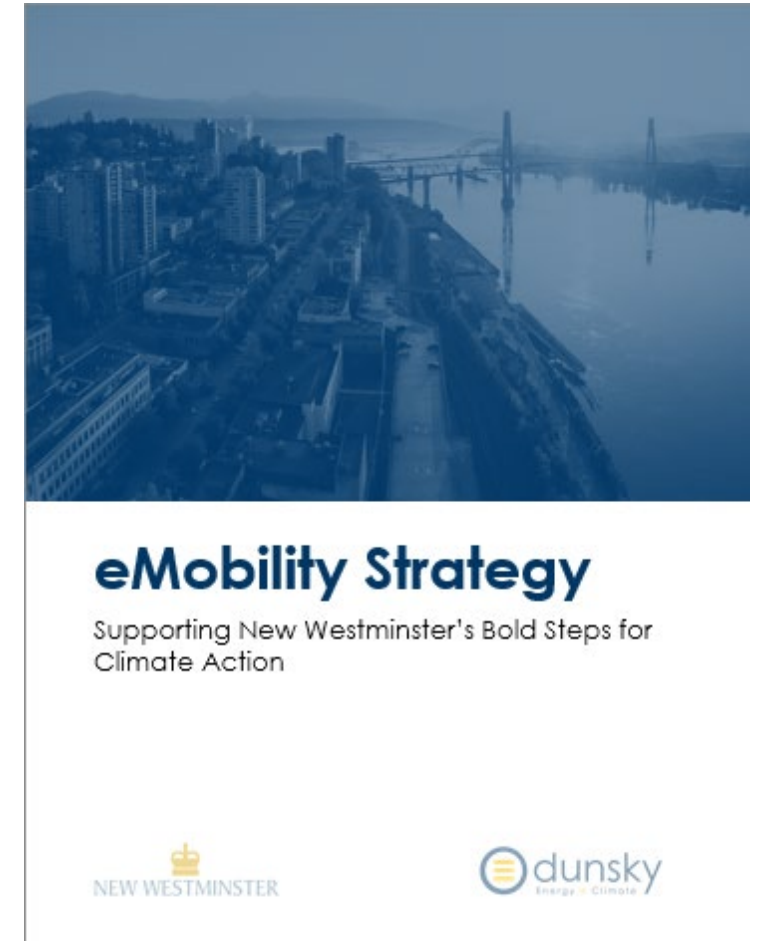
Bold Step 4: Pollution Free Vehicles

By 2030, 50% of kilometres driven by New Westminster registered vehicle owners will be by zero emissions vehicles.



E-Mobility Strategy

- Provides actionable strategies for increasing eMicromobility (i.e. e-bikes, e-scooters, etc.) and EV adoption in the community
- Provides actionable strategies for the Utility to manage the implications of increased EV adoption
- 5 year time-horizon that will be updated with each capital budgeting process



Bold Step 5: Carbon Free Energy

The City of New Westminster will invest in a smart electrical grid in order to accommodate the required rapid conversion to building and vehicle electrification.



Bold Step 6: Robust Urban Forest

The City increase the total tree canopy to 27% by 2030 to support the removal of 4,050 tonnes of carbon pollution every year and increase our forest's carbon storage capacity by 50%.

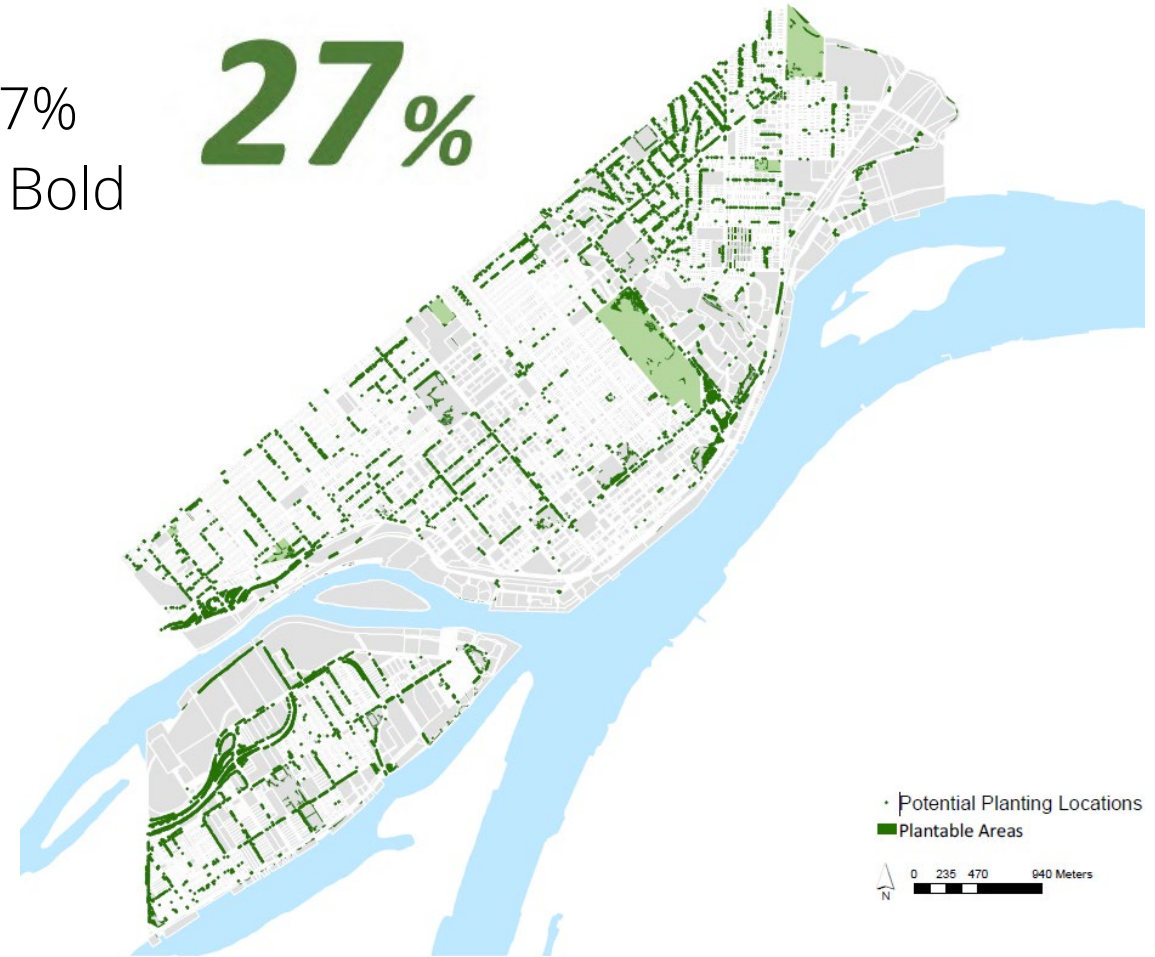


Urban Forest Management Strategy (UFMS)

The City's Urban Forest Management Strategy includes actions to be implemented to reach a 27% canopy cover by 2035 (expedited to 2030 by the Bold Steps).

This includes planting:

- 2,200 trees in parks and open spaces
- 6,300 trees on streets and boulevards
- 3,300 trees on private lands.

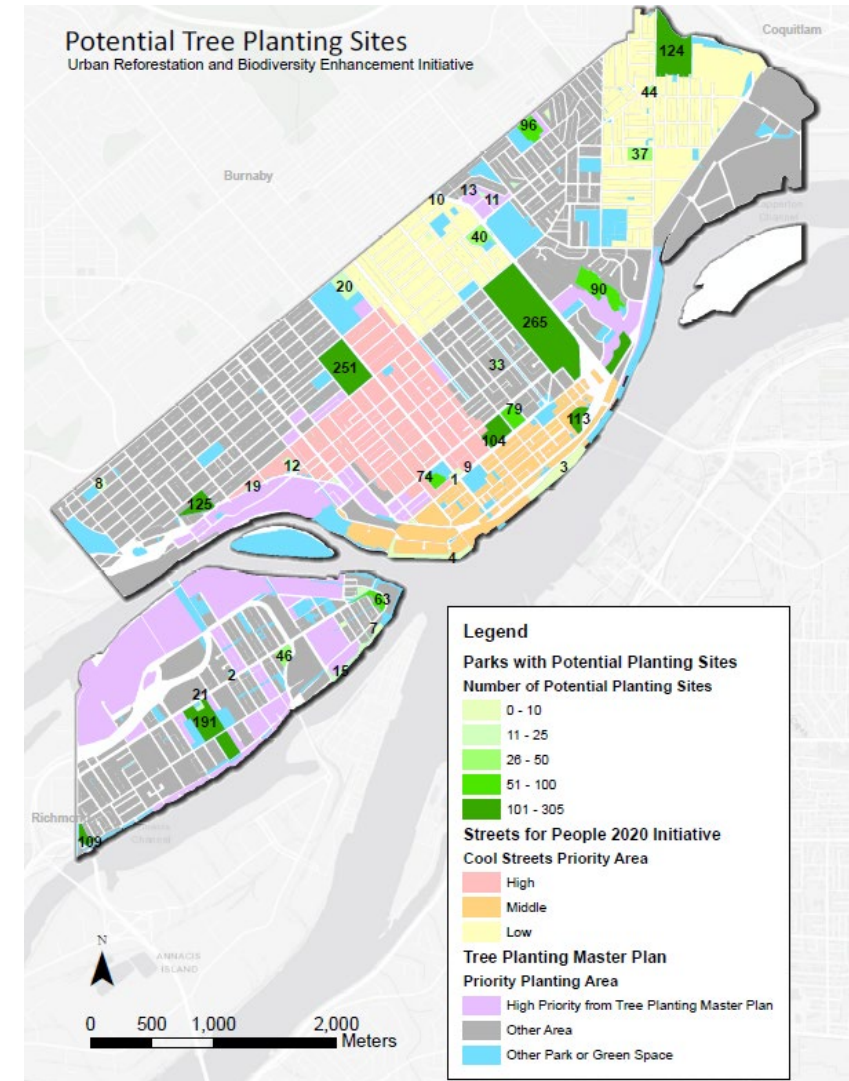


UFMS Implementation (2022)

The City was awarded \$1,746,000 to **plant 2,200 trees and rewild 1 hectare of turf grass across the city's parks and open spaces.** This must be achieved by end of December 2023.

Additionally, the city was awarded \$50,000 to plant up to **25,000 native plants and tree plugs** in 2022 in four of the city's natural areas:

- Queen's Park North/ Queen's Park South (Feb. 2022)
- Glenbrook Ravine and Hume Park (Sept. 2022)



Bold Step 7: Quality People-Centred Public Realm

A minimum of 10% of today's street space that currently only serves motor vehicles, excluding transit, will be reallocated for sustainable transportation or public gathering by 2030. The natural environment will be integrated with the public realm.



Strategic Plan: Environment and Climate Action

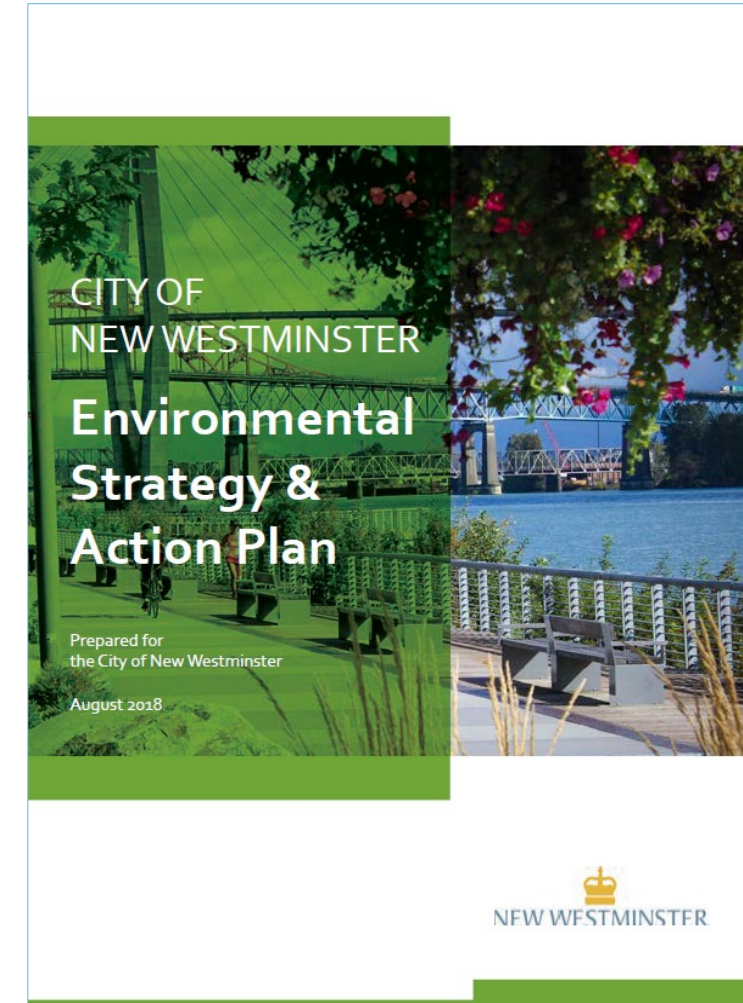
- Take bold action on corporate and community emissions with the goal to have net zero emissions by 2050
- Implement the Environmental Strategy and Action Plan



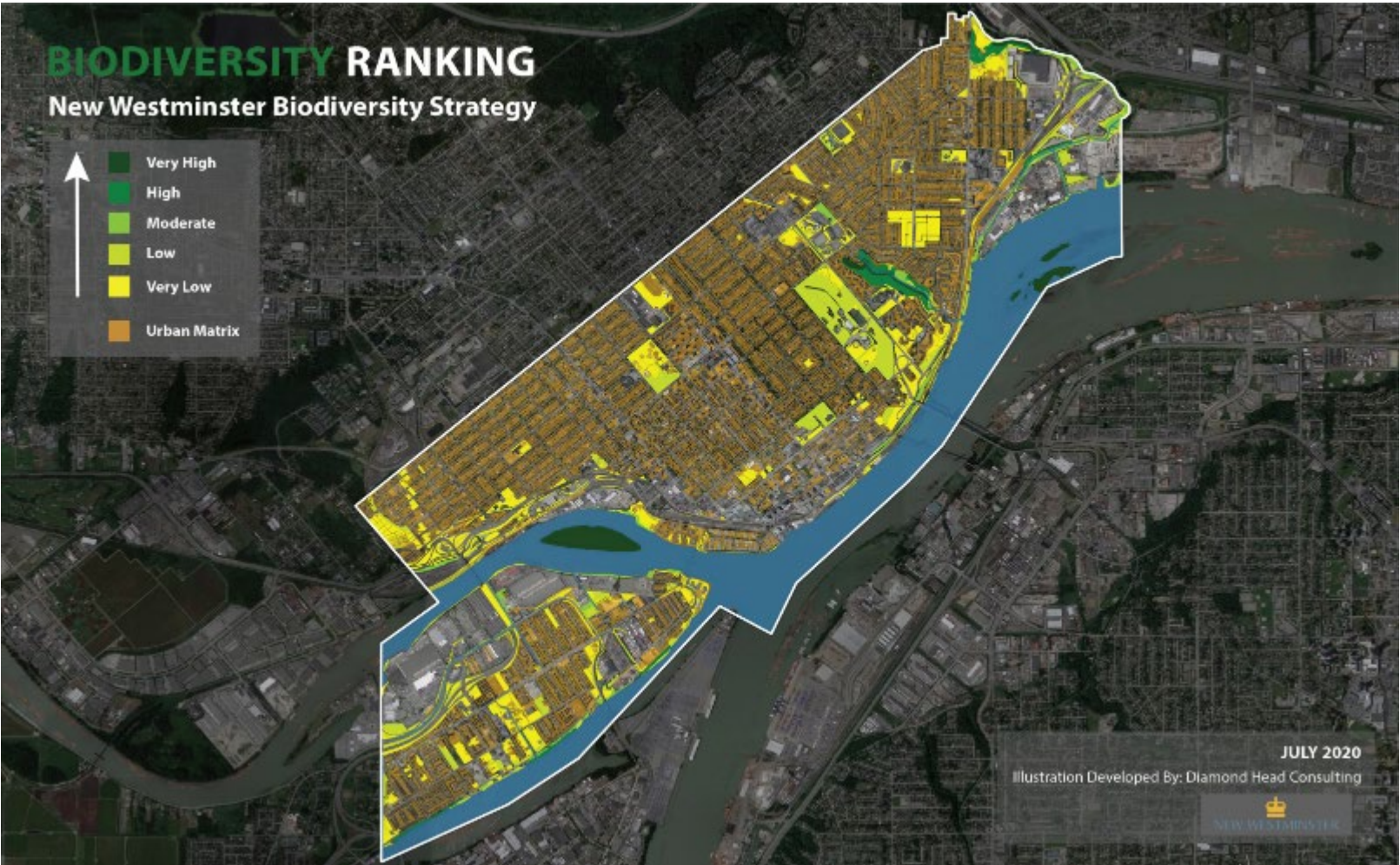
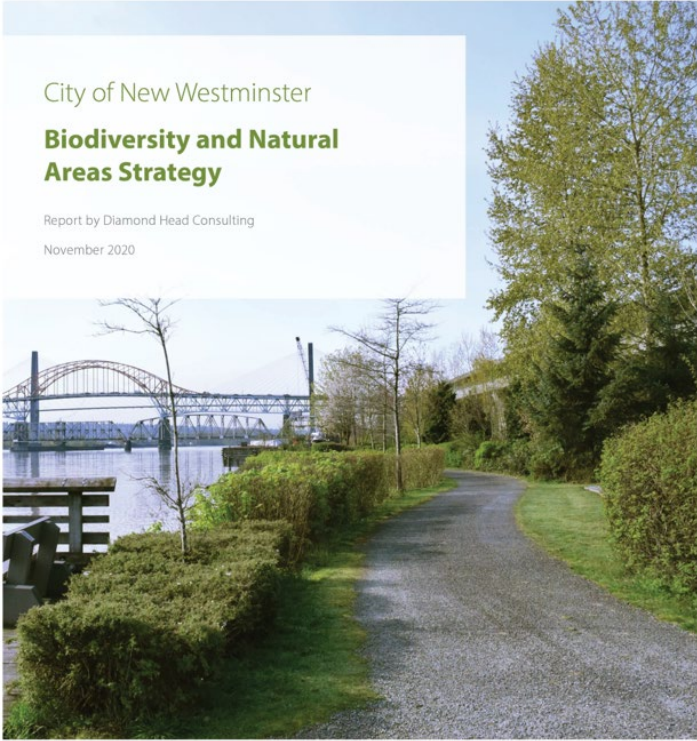
Environmental Strategy and Action Plan (ESAP)

The City's environmental master plan which includes a vision, goals and actions to be implemented over the next ten years and beyond. The Plan has four priority areas:

- Energy, Emissions & Climate Change
- Buildings, Sites & Urban Design
- Water, Waste & Materials
- Natural Areas & Habitat



Draft Biodiversity and Natural Areas Strategy (2022)



Additional Policies

The Info Sheet provides links to additional policies and initiatives Including:

- Official Community Plan
- Master Transportation Plan
- Integrated Stormwater Management Plan
- Glenbrook Ravine Park Invasive Plant Management Plan



THANK YOU
for volunteering your time!

Questions?