

## Attachment 3

### *Climate Strategy Implementation Actions*

## CNW Climate Action Plan Implementation Actions and CAT Role

Item	Plan/Strategy	Category	Sub-Category	Action	CAT Role
1	CEEP2050	Buildings	All Buildings	Explore ways to define low- carbon energy systems to include systems such as electric heat pumps, connection to low- carbon district energy, or on-site renewable energy, but exclude fuels such as RNG; and advocate to the Province for a similar approach in provincial legislation.	Lead
2	CEEP2050	Buildings	All Buildings	Continue to support and participate in pilot projects targeting energy performance improvements that are advanced by partners, the community, or the development sector, and assist in disseminating lessons learned.	Lead
3	CEEP2050	Buildings	All Buildings	Continue to offer educational opportunities to the building industry, and explore ways to support industry training to enable adaptation to high performance building standards and lead the way on innovative buildings.	Lead
4	CEEP2050	Buildings	All Buildings	Advocate to the Province for the development of a mandatory energy labelling and benchmarking program for buildings and, in the interim, explore tools the City can use to encourage voluntary energy disclosure.	Lead
5	CEEP2050	Buildings	Existing Buildings	Increase the supports and programs for energy retrofits for existing residential, institutional, commercial, and industrial buildings, including by: <ul style="list-style-type: none"> <li>a. prioritizing the unique retrofit needs of existing multiunit residential buildings, especially rental buildings;</li> <li>b. focusing on the least efficient building stock (pre-1980);</li> <li>c. adapting retrofit strategies to work with heritage and character buildings;</li> <li>d. collecting and analyzing energy and spatial data of existing buildings to identify priority building archetypes and optimal strategies to support energy retrofits;</li> <li>e. exploring innovative financing mechanisms and tools to support retrofits (e.g. on-bill financing, green revolving load funds, or Property Assessed Clean Energy Financing (PACE)); and</li> <li>f. exploring one-stopshop models of retrofit management.</li> </ul>	Lead
6	CEEP2050	Buildings	Existing Buildings	Advocate to senior government and agencies to increase incentives and financing programs for energy retrofits, particularly for multi-unit residential buildings.	Lead
7	CEEP2050	Buildings	Existing Buildings	Explore incentivizing transitioning from fossil fuels to low carbon energy sources, and when legislation changes, regulate fuel sources in existing buildings.	Lead

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8	CEEP2050	Buildings	New Buildings	Incentivize low carbon energy systems in new buildings, including by implementing a two option framework for Step Code compliance for Part 9 buildings (smaller residential buildings) in 2023 (allowing construction either to Step 5, or to Step 3 with installation of or connection to a low carbon energy system).	Lead
9	CEEP2050	Buildings	New Buildings	As legislation changes to allow fuel sources to be regulated through GHG intensity, ensure City regulations require low carbon energy sources for new buildings	Lead
10	CEEP2050	Buildings	New Buildings	Require maximum BC Energy Step Code tier for residential and nonresidential buildings before 2030.	Lead
11	CEEP2050	Buildings	New Buildings	Identify appropriate performance standards for institutional and industrial buildings, and encourage meeting these standards through policy.	Lead
12	CEEP2050	Energy	Conservation and Demand Management	Work with Electric Utility and BC Hydro to implement energy conservation and demand management strategies, including continuing to ensure New Westminster customers have access to programs offered by BC Hydro or an equivalent program offered by the City.	Lead
13	CEEP2050	Energy	Conservation and Demand Management	Advocate to senior levels of government to adjust carbon pricing over time, or consider a regional carbon price supplement, to prompt industry emissions reduction.	Lead
14	CEEP2050	Energy	Conservation and Demand Management	Collect and share resources on energy conservation programs developed by BC Hydro and other partners to build knowledge and capacity among commercial and institutional building Electric Utility customers to reduce their energy consumption.	Lead
15	CEEP2050	Energy	Conservation and Demand Management	Continue to implement and expand on educational campaigns to encourage and raise awareness about energy conservation, including providing additional information on utility bills.	Lead
16	CEEP2050	Energy	Conservation and Demand Management	Encourage the use of smart technology to better manage energy usage (e.g., smart thermostats).	Lead
17	CEEP2050	Energy	District Energy and Waste Heat Recovery	Explore opportunities to encourage on-site waste heat recovery systems in buildings with a net positive internal rate of return.	Lead
18	CEEP2050	Natural Systems	Natural Systems	Develop an adaptation strategy that outlines principles and actions to mitigate climate related risks and build climate resilience, emphasizing natural capital and opportunities for ecological benefits.	Lead

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19	CEEP2050	Transportation	eMobility	Collaborate with Metro Vancouver and other partners to advocate to senior governments to support the transition to zero emissions medium and heavy duty vehicles.	Lead
20	CEEP2050	Transportation	eMobility	Accelerate EV and eMicromobility (e-bikes, etc.) adoption by implementing the eMobility Strategy.	Lead
21	CEEP2050	Waste and Circular Economy	Waste Reduction	Support and amplify waste reduction and diversion educational programs delivered by Metro Vancouver and other partners (e.g. community groups supported through City grants).	Lead
22	CEERS	Policies	Implementation Strategies	Strategy #23: Establish a protocol to implement internal Carbon Pricing	Lead
23	CEERS	Policies	Implementation Strategies	Strategy #21: Complete and implement an outreach strategy focused on energy conservation and climate change awareness	Lead
24	CEERS	Transportation	Fleet	Strategy #5: Develop an integrated corporate and community EV Strategy	Lead
25	CEERS	Transportation	Fleet	Strategy #15: Continue to review the corporate Vehicles Driven Home Policy	Lead
26	eMobility	Electric Vehicles	Improve access to EV charging at home	Advocate for EV-Ready retrofit requirements	Lead
27	eMobility	Electric Vehicles	Improve access to EV charging at home	Advocate to include EV-Ready retrofits in financing programs	Lead
28	eMobility	Electric Vehicles	Improve access to EV charging at home	Explore developing a program to provide financial incentives for MURB EV-Ready retrofits	Lead
29	eMobility	Electric Vehicles	Improve access to EV charging at home	Promote existing educational and financial supports for EV-Ready Retrofits	Lead
30	eMobility	Electric Vehicles	Improve access to EV charging at work	Establish EV Ready requirements for new non-residential buildings	Lead
31	eMobility	Electric Vehicles	Improve access to EV charging in public spaces	Complete detailed street-level mapping of EV infrastructure gaps	Lead
32	eMobility	Electric Vehicles	Improve access to EV charging in public spaces	Develop siting guidelines for public infrastructure with a focus on user experience	Lead
33	eMobility	Electric Vehicles	Support affordability of EVs	Advocate to ensure current EV purchase incentive level is maintained to 2030	Lead

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34	eMobility	Electric Vehicles	Support affordability of EVs	Advocate to expand efforts to 'scrap' internal combustion engine vehicles	Lead
35	eMobility	Electric Vehicles	Support affordability of EVs	Promote existing EV purchase incentives and educational resources	Lead
36	eMobility	eMicromobility	Enhance e- bike accessibility	Advocate for e-bike incentive program(s) and promote current e-bike incentives	Lead
37	eMobility	eMicromobility	Improve access to public and private secure e-bike parking	Explore developing a program for existing buildings to provide secure e-bike storage	Lead
38	eMobility	eMicromobility	Improve access to public and private secure e-bike parking	Support e-bike security education programs	Lead
39	eMobility	eMicromobility	Incorporate eMicromobility into City planning and outreach	Develop an education campaign for safe use and benefits of eMicromobility	Lead
40	eMobility	Implementation	Successfully implement the eMobility Strategy	Create and hire an eMobility Specialist staff position to lead and support the eMobility Strategy	Lead
41	eMobility	Implementation	Successfully implement the eMobility Strategy	Create an action prioritization tool	Lead
42	eMobility	Implementation	Successfully implement the eMobility Strategy	Monitor and report on the Strategy under the Climate Action and Environment Key Performance Indicators	Lead
43	eMobility	Implementation	Successfully implement the eMobility Strategy	Apply an equity lens to implementation and engage with equity-denied groups	Lead
44	eMobility	Utility	Proactively manage electricity grid impacts of EV charging	Continue to monitor EV uptake and forecast the anticipated impacts of adoption	Lead

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45	eMobility	Utility	Proactively manage electricity grid impacts of EV charging	Develop educational materials on the benefits of networked or 'smart' charging	Lead
46	CEEP2050	Energy	Conservation and Demand Management	Evaluate New West Electric rate structure and explore development of a low-income home energy assistance program that assists eligible households with their heating and cooling costs, weatherization, and energy- related home repairs.	Contribute
47	CEEP2050	Energy	Local Energy Generation	Explore how to encourage cost effective, on-site renewable energy generation in new and existing buildings through incentives and policy tools, such as preferential net- metering rates.	Contribute
48	CEEP2050	Energy	Local Energy Generation	Explore opportunities to expand urban solar gardens that enable community members to invest in solar projects.	Contribute
49	CEEP2050	Energy	Smart Grid Technologies	Explore opportunities to partner on a pilot of a solar- battery demonstration project on a building.	Contribute
50	CEEP2050	Transportation	eMobility	Collaborate with Metro Vancouver and other partners to explore opportunities to reduce emissions from deliveries, including online deliveries, by supporting fleet transitions to zero emissions, off-peak deliveries, small urban consolidation centres, and cargo bike deliveries.	Contribute
51	CEEP2050	Transportation	eMobility	Support the achievement of TransLink's regional Transport 2050 goal of transitioning to zero emission vehicles, including by: a. Increasing availability and access to electric bikes, scooters, and other forms of electric micromobility; b. accelerating the electrification of lightduty passenger vehicles; and c. supporting the transition of medium and heavy-duty vehicles to low emissions in the short-term and zero emissions over the long-term.	Contribute
52	CEEP2050	Transportation	Sustainable Transportation Modes	Advocate for and support implementation of TransLink's regional Transport 2050 plan, including: a. expanding frequent transit service, and improving service along the Major Transit Network (development of rapid bus along 8th Street, and capacity relief measures on the Expo SkyTrain line); and b. improving affordability, accessibility, and safety of transit and active transportation for all community members.	Contribute

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53	CEEP2050	Waste and Circular Economy	Circular Economy	Engage with local businesses in circular economy initiatives and support the adoption of circular economy approaches in the materials use, design, manufacturing, transport, retailing, and repurposing of products and services.	Contribute
54	CEEP2050	Waste and Circular Economy	Waste Reduction	Support Metro Vancouver in its update to and implementation of the Regional Solid and Liquid Waste Management Plans, and advocate for a stronger climate lens in these regional plans, including: a. Applying an emissions reduction lens to efforts to strengthen the market for recycling and recycled materials, expand Extended Producer Responsibility, and pursue circular economy opportunities; and b. Enhanced GHG emissions capturing methane (biogas) from landfills, expanding low emissions waste-to-energy facilities as appropriate, and reducing emissions from organics.	Contribute
55	eMobility	Electric Vehicles	Improve access to EV charging in public spaces	Continue to set City charging user fees to support cost-recovery and turnover	Contribute
56	eMobility	Implementation	Successfully implement the eMobility Strategy	Leverage external funding opportunities	Contribute
57	eMobility	Utility	Proactively manage electricity grid impacts of EV charging	Explore the development of a networked or 'smart' charging incentive pilot	Contribute
58	eMobility	Utility	Proactively manage electricity grid impacts of EV charging	Plan for the future development of an EV load management program	Contribute
60	CEEP2050	Buildings	All Buildings	Review the Zoning Bylaw, Development Permit Area guidelines, and other policies and regulations to remove any remaining barriers, and to further incentivize energy efficiency and GHG emission reductions.	Contribute
62	CEEP2050	Buildings	Existing Buildings	Review the City's regulatory and policy context for opportunities to better incentivize energy retrofits in exchange for additional density or other benefits, where appropriate.	Contribute
63	CEEP2050	Buildings	Existing Buildings	Continue to pursue heritage retention and revitalization where appropriate, to efficiently use energy and resources through adaptive reuse of buildings.	Contribute

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65	CEEP2050	Energy	Conservation and Demand Management	Implement the strategies of CEERS related to formalizing the internal application of carbon pricing as part of the City's internal processes and adopting a procurement policy that considers energy and emissions.	Contribute
66	CEEP2050	Energy	District Energy and Waste Heat Recovery	Explore the viability of extending Sapperton's district energy system or developing new systems as new opportunities arise.	Contribute
98	CEERS	Policies	Implementation Strategies	Strategy #25: Adopt a procurement policy that considers energy and GHG emissions	Contribute
108	CEERS	Transportation	Fleet	Strategy #6: Install EV charging infrastructure and associated upgrades	Contribute
122	eMobility	eMicromobility	Improve access to public and private secure e-bike parking	Advocate for expanding secure e-bike parking and storage at transit locations	Contribute
59	CEEP2050	Buildings	All Buildings	Continue to demonstrate leadership through high energy performance City facilities (new and retrofitted) constructed with low embodied carbon materials, as directed by CEERS.	Other City Dept.
61	CEEP2050	Buildings	All Buildings	Continue to implement the Official Community Plan, including expanding infill housing options where appropriate and enabling more energy efficient housing typologies.	Other City Dept.
64	CEEP2050	Energy	Conservation and Demand Management	Continue to lead by example with phasing out the use of fossil fuels in City hand-held landscaping equipment and explore further regulating their use for personal and commercial purposes in the community.	Other City Dept.
67	CEEP2050	Energy	Local Energy Generation	Complete a renewable energy study that identifies viable supply sources and a prioritized list of initiatives.	Other City Dept.
68	CEEP2050	Energy	Smart Grid Technologies	Assess the business case and feasibility of energy storage within the City's existing grid.	Other City Dept.
69	CEEP2050	Energy	Smart Grid Technologies	Continue to explore upgrading electrical metering equipment with advanced metering infrastructure to allow community members to better monitor and assess their energy use.	Other City Dept.
70	CEEP2050	Energy	Smart Grid Technologies	Conduct feasibility studies that test low-carbon backup power systems to reduce reliance on fossil fuel backup power generators.	Other City Dept.
71	CEEP2050	Natural Systems	Natural Systems	Continue to implement the Integrated Stormwater Management Plan, including: a. creating additional resources and enhanced guidelines for green infrastructure on private property; and b. expanding the use of green infrastructure on public lands.	Other City Dept.



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72	CEEP2050	Natural Systems	Natural Systems	Seek opportunities to reduce water consumption by promoting grey water reuse and the use of technologies such as timers and leak detectors by residents and businesses.	Other City Dept.
73	CEEP2050	Natural Systems	Natural Systems	Explore opportunities to increase the City's water pumping efficiency.	Other City Dept.
74	CEEP2050	Natural Systems	Natural Systems	Continue to implement the Urban Forest Management Strategy and Biodiversity Strategy, including: a. incentivizing community members to install habitat features and plant trees; b. further encouraging developers and builders to integrate green spaces into developments; c. integrating natural systems into the public realm, such as parks, greenways, and active transportation corridors; and d. pursuing land acquisition and restoration to expand natural park areas.	Other City Dept.
75	CEEP2050	Natural Systems	Natural Systems	4. Explore opportunities to support sustainable local food systems, such as by: a. continuing to encourage communal gardens and private balcony or roof gardens in new multi- unit residential buildings b. reviewing regulations to remove barriers to urban farming; and c. supporting local food procurement and farmers markets.	Other City Dept.
76	CEEP2050	Transportation	eMobility	Support TransLink in implementing the 2050 Low Carbon Fleet Strategy to advance battery electric bus service in New Westminster.	Other City Dept.
77	CEEP2050	Transportation	eMobility	Show leadership by continuing to transition to an energy efficient and low carbon corporate fleet, as directed by the Corporate Energy and Emissions Reduction Strategy (CEERS).	Other City Dept.
78	CEEP2050	Transportation	eMobility	Explore partnering with TransLink, Metro Vancouver, or other agencies as appropriate, to establish zero emissions vehicle zones in which access is limited to persons using active transportation modes and zero emissions vehicles only.	Other City Dept.
79	CEEP2050	Transportation	Sustainable Transportation Modes	Explore holding car-free days and creating car-free areas.	Other City Dept.

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80	CEEP2050	Transportation	Sustainable Transportation Modes	Continue to prioritize sustainable transportation action implementation from the Master Transportation Plan, including: a. rapidly completing a network of active transportation infrastructure; b. supporting transit use by improving customer facilities and information, and exploring transit priority measures; and c. supporting transportation demand management initiatives which promote shifts to sustainable transportation and a reduction in single occupancy vehicle trips	Other City Dept.
81	CEEP2050	Transportation	Sustainable Transportation Modes	Implement the Regional Greenway and Major Bikeway Networks within New Westminster, in collaboration with Metro Vancouver and TransLink.	Other City Dept.
82	CEEP2050	Transportation	Sustainable Transportation Modes	Advocate for more exploration of mobility pricing or road use charges, in collaboration with Metro Vancouver and TransLink.	Other City Dept.
83	CEEP2050	Transportation	Sustainable Transportation Modes	Continue to implement the Official Community Plan, including: a. pursuing complete communities with transit-supportive densities and land use mixes; and b. enabling transit-oriented development in the downtown and near SkyTrain stations.	Other City Dept.
84	CEEP2050	Transportation	Sustainable Transportation Modes	Review the Zoning Bylaw, Development Permit Area guidelines, and other policies and regulations to directly or indirectly reduce demand for personal vehicles, for example by changing from parking minimums to maximums.	Other City Dept.
85	CEEP2050	Waste and Circular Economy	Circular Economy	Collaborate with Metro Vancouver and regional municipalities to coordinate development of a circular economy, including the potential development of a regional strategy.	Other City Dept.
86	CEEP2050	Waste and Circular Economy	Waste Reduction	Explore opportunities to host or support regular waste reduction events such as zero waste days, community repair events, or neighbourhood garage sales.	Other City Dept.
87	CEEP2050	Waste and Circular Economy	Waste Reduction	Continue to expand and improve household recycling and yard and food scraps diversion and collection programs.	Other City Dept.
88	CEEP2050	Waste and Circular Economy	Waste Reduction	Continue to require recycling and organics facilities on site in multi-unit residential, industrial, commercial, and institutional buildings, and consider expanding guidelines to improve the convenience and experience of recycling and organics storage and pick-up.	Other City Dept.

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89	CEEP2050	Waste and Circular Economy	Waste Reduction	Work with businesses to reduce waste and divert organics from restaurants, the tourism industry, and the commercial sector overall.	Other City Dept.
90	CEEP2050	Waste and Circular Economy	Waste Reduction	Expand green demolition by reviewing and increasing requirements for construction waste diversion, encouraging deconstruction, salvaging, and improving enforcement for better compliance.	Other City Dept.
91	CEEP2050	Waste and Circular Economy	Waste Reduction	Support senior government action on reducing use of single use plastics and packaging, and explore implementing changes locally.	Other City Dept.
92	CEERS	Buildings	Civic Buildings	Strategy #2: Implement the updated Civic Green Building Policy for new construction and major renovations.	Other City Dept.
93	CEERS	Buildings	Civic Buildings	Strategy #1: Apply the Zero Carbon Building Standard for the NWACC facility	Other City Dept.
94	CEERS	Buildings	Civic Buildings	Strategy #4: Conduct a Level 1 Energy Study for remaining Civic Buildings to determine additional emissions reduction opportunities for existing buildings every 5 years.	Other City Dept.
95	CEERS	Buildings	Civic Buildings	Strategy #3: Implement Measures for Existing Buildings as per the Level 1 Energy Study (Appendix 2)	Other City Dept.
96	CEERS	Policies	Implementation Strategies	Strategy #22: Ensure operations and maintenance teams are involved as stakeholders in the project planning process	Other City Dept.
97	CEERS	Policies	Implementation Strategies	Strategy #24: Establish a process or tool to ensure energy and emissions (including carbon pricing) considerations are included as part of the design process for facility and construction projects	Other City Dept.
99	CEERS	Policies	Implementation Strategies	Strategy #20: Empower the Energy management Committee in implementing CEERS 2020	Other City Dept.
100	CEERS	Systems	Lighting	Strategy #16: Develop and Implement LED Street Lighting Conversion Strategy	Other City Dept.
101	CEERS	Systems	Lighting	Strategy #17: Include LED lighting as part of new sports field and stadium lighting installations.	Other City Dept.
102	CEERS	Systems	Water and Wastewater	Strategy #18: Upgrade Pumps to Higher Efficiency Pump Systems as part of lifecycle replacement.	Other City Dept.
103	CEERS	Systems	Water and Wastewater	Strategy #19: Consider energy recovery from PRV stations using an in-line turbine generator	Other City Dept.
104	CEERS	Transportation	Fleet	Strategy #11: Promote existing two-way car share option and pursue a one-way service option for staff use.	Other City Dept.

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105	CEERS	Transportation	Fleet	Strategy #7: Purchase light duty electric vehicles and equipment, as applicable	Other City Dept.
106	CEERS	Transportation	Fleet	Strategy #8: Monitor the potential use of non-fossil/renewable fuels (e.g., EV) for the City's heavy-duty fleet and purchase vehicles, as applicable	Other City Dept.
107	CEERS	Transportation	Fleet	Strategy #14: Implement the revised Low Carbon Fleet Policy	Other City Dept.
109	CEERS	Transportation	Fleet	Strategy #13: Deliver annual and or refresher driver training	Other City Dept.
110	CEERS	Transportation	Fleet	Strategy #10: Promote e-bike fleet use and explore increasing the size of this fleet	Other City Dept.
111	CEERS	Transportation	Fleet	Strategy #12: Expand and promote existing Employee Trip Reduction Program	Other City Dept.
112	CEERS	Transportation	Fleet	Strategy #9: Phase out the use of fossil fuels in hand-held landscaping equipment	Other City Dept.
113	eMobility	Electric Vehicles	Improve access to EV charging in public spaces	Install public charging where network gaps remain	Other City Dept.
114	eMobility	Electric Vehicles	Improve access to EV charging in public spaces	Coordinate public charging deployment with shared fleet operators	Other City Dept.
115	eMobility	Electric Vehicles	Support affordability of EVs	Explore creating low- or zero emission zones in New Westminster	Other City Dept.
116	eMobility	eMicromobility	Advance supportive eMicromobility policies	Advocate for changes to the Motor Vehicle Act to provide clear guidance on eMicromobility	Other City Dept.
117	eMobility	eMicromobility	Advance supportive eMicromobility policies	Collaborate to develop clear regionally consistent safety guidelines and requirements for eMicromobility	Other City Dept.
118	eMobility	eMicromobility	Advance supportive eMicromobility policies	Monitor e-scooter pilot programs and assess opportunities for New Westminster	Other City Dept.
119	eMobility	eMicromobility	Advance supportive eMicromobility policies	Advocate for a region-wide approach to road usage charging	Other City Dept.
120	eMobility	eMicromobility	Enhance e- bike accessibility	Explore a shared e-bike pilot program	Other City Dept.

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121	eMobility	eMicromobility	Improve access to public and private secure e-bike parking	Invest in secure public e-bike parking City facilities	Other City Dept.
123	eMobility	eMicromobility	Improve access to public and private secure e-bike parking	Map existing secure public e-bike parking and infrastructure gaps	Other City Dept.
124	eMobility	eMicromobility	Incorporate eMicromobility into City planning and outreach	Apply an eMicromobility lens to the updated Master Transportation Plan and in other transportation-related City projects	Other City Dept.