

Focus Area and Action		Action Class	Initiation Year	Anticipated Effect on 2030 GHG Reduction	Anticipated Effect on Resilience	Co Benefits	Link to Climate Action Goal/Target	Link to City Plans/Commitments
<b>Buildings - Influential on GHG Emissions Reductions and Resilience</b>								
1	Perform comprehensive climate audits on all civic facilities and prioritize upgrades where feasible and highest risk.	Best Bet	2021			<ul style="list-style-type: none"> <li>• Supports energy use reduction and clean energy transition</li> <li>• Reduces extreme temperatures</li> <li>• Improves cost savings</li> </ul>	<ul style="list-style-type: none"> <li>• By 2030, all new and replacement heating and hot water systems are zero emissions</li> </ul>	<ul style="list-style-type: none"> <li>• Climate Action Charter</li> <li>• Official Community Plan</li> </ul>
2	Revise the City's Sustainability Report Card to include performance measures to reduce operational and embodied GHG emissions and climate risks.	Quick Win	2021			<ul style="list-style-type: none"> <li>• Creates jobs</li> <li>• Supports the local economy</li> <li>• Supports energy use reduction and clean energy transition</li> <li>• Reduces extreme temperatures</li> <li>• Improves cost savings</li> </ul>	<ul style="list-style-type: none"> <li>• By 2030, all new and replacement heating and hot water systems are zero emissions</li> </ul>	<ul style="list-style-type: none"> <li>• Outstanding Council motion</li> <li>• Council Strategic Plan project</li> </ul>
3	Develop a Climate Ready Homes and Buildings Plan for all new and existing buildings that includes addressing indoor air quality, and climate risks where possible.	Major Project	2021			<ul style="list-style-type: none"> <li>• Supports the local economy</li> <li>• Supports energy use reduction and clean energy transition</li> <li>• Reduces extreme temperatures</li> <li>• Improves cost savings</li> </ul>	<ul style="list-style-type: none"> <li>hot water systems are zero emissions</li> <li>• By 2030, all oil and propane heating and hot water systems are replaced with zero emission systems</li> <li>• By 2050, all buildings have replaced heating and</li> </ul>	<ul style="list-style-type: none"> <li>• Official Community Plan</li> </ul>
4	Initiate/continue discussions with federal and provincial governments to advocate for authority, financing tools, benchmarking, and other policies essential for achieving zero emissions buildings.	Quick Win	2021			<ul style="list-style-type: none"> <li>• Creates jobs</li> <li>• Supports the local economy</li> <li>• Supports energy use reduction and clean energy transition</li> </ul>	<ul style="list-style-type: none"> <li>• By 2030, all new and replacement heating and hot water systems are zero emissions</li> <li>• By 2050, all buildings have replaced heating and hot water with zero emission systems</li> </ul>	<ul style="list-style-type: none"> <li>• Council Strategic Plan</li> <li>• Official Community Plan</li> </ul>
<b>Transportation and Mobility - Influential on GHG Emissions Reductions and Resilience</b>								
5	Develop a community zero-emissions mobility strategy.	Major Project	2022			<ul style="list-style-type: none"> <li>• Reduces congestion</li> <li>• Optimizes energy savings</li> <li>• Improves community liveability/ vitality</li> <li>• Improves human health and well being</li> <li>• Improves air quality</li> </ul>	<ul style="list-style-type: none"> <li>• 40% of passenger vehicles, and 25% of commercial vehicles are electric by 2030</li> </ul>	<ul style="list-style-type: none"> <li>• Council Strategic Plan</li> </ul>
6	Conduct a utilization assessment of the City's fleet and identify opportunities to increase efficiency and reduce GHG emissions.	Best Bet	2021			<ul style="list-style-type: none"> <li>• Improves human health and well being</li> <li>• Improves air quality</li> </ul>	<ul style="list-style-type: none"> <li>• 40% of passenger vehicles, and 25% of commercial vehicles are electric by 2030</li> </ul>	<ul style="list-style-type: none"> <li>• Climate Action Charter</li> <li>• Official Community Plan</li> </ul>
7	Update and accelerate Master Transportation Plan projects to reduce GHG emissions by 2030.	Major Project	2021			<ul style="list-style-type: none"> <li>• Reduces congestion</li> <li>• Optimizes energy savings</li> <li>• Improves community liveability/ vitality</li> <li>• Improves human health and well being</li> <li>• Improves air quality</li> </ul>	<ul style="list-style-type: none"> <li>• Residents walk, cycle or take transit for 40% of trips by 2030 (up from 17% in 2017)</li> </ul>	<ul style="list-style-type: none"> <li>• Master Transportation Plan</li> <li>• Council Strategic Plan</li> <li>• Official Community Plan</li> </ul>
<b>Waste Reduction and Management - Influential on GHG Emissions Reductions</b>								
8	Initiate/continue discussions with Metro Vancouver to advocate for initiatives and policies to reduce waste, increase diversion rates, and increase reporting and awareness on waste generation.	Quick Win	2021			<ul style="list-style-type: none"> <li>• Optimizes resources</li> <li>• Reduces waste</li> <li>• Supports energy use reduction and clean energy transition</li> <li>• Improves air quality</li> </ul>	<ul style="list-style-type: none"> <li>• Minimize waste going to landfill and achieve zero emissions from waste before 2050</li> </ul>	<ul style="list-style-type: none"> <li>• Climate Action Charter</li> <li>• Official Community Plan</li> </ul>
<b>Land Use and Growth Management - Influential on GHG Emissions Reductions</b>								
9	Encourage density and mixed-use neighborhoods around transportation hubs through the Official Community Plan and development applications.	Best Bet	2021			<ul style="list-style-type: none"> <li>• Creates jobs</li> <li>• Reduces congestion</li> <li>• Improves community liveability/ vitality</li> <li>• Reduces burden on water related infrastructure (e.g. drinking water supply, stormwater)</li> <li>• Improves equity/improvements for vulnerable populations</li> <li>• Supports the local economy</li> </ul>	<ul style="list-style-type: none"> <li>• Residents walk, cycle or take transit for 40% of trips by 2030 (up from 17% in 2017)</li> </ul>	<ul style="list-style-type: none"> <li>• Official Community Plan</li> <li>• Master Transportation Plan</li> </ul>
10	Require developers to include comprehensive transportation demand management (TDM) strategies in proposals for new large development projects.	Best Bet	2021			<ul style="list-style-type: none"> <li>• Creates jobs</li> <li>• Reduces congestion</li> <li>• Improves community liveability/ vitality</li> <li>• Reduces burden on water related infrastructure (e.g. drinking water supply, stormwater)</li> <li>• Improves equity/improvements for vulnerable populations</li> <li>• Supports the local economy</li> </ul>	<ul style="list-style-type: none"> <li>• Residents walk, cycle or take transit for 40% of trips by 2030 (up from 17% in 2017)</li> </ul>	<ul style="list-style-type: none"> <li>• Official Community Plan</li> </ul>

11	Continue to work with the Fraser Basin Council on the Lower Mainland Flood Management Strategy and public education on flood risk.	Quick Win	2021			<ul style="list-style-type: none"> <li>• Improves community liveability/ vitality</li> <li>• Reduces burden on water related infrastructure (e.g. drinking water supply, stormwater)</li> <li>• Improves equity/improvements for vulnerable populations</li> </ul>	<ul style="list-style-type: none"> <li>• Manage shoreline erosion from sea level rise and coastal flooding.</li> </ul>	<ul style="list-style-type: none"> <li>• Official Community Plan</li> </ul>
12	Develop a sea level rise strategy to assess and respond to coastal flooding, coastal squeeze, shoreline erosion and inundation.	Major Project	2022			<ul style="list-style-type: none"> <li>• Improves community liveability/ vitality</li> <li>• Reduces burden on water related infrastructure (e.g. drinking water supply, stormwater)</li> <li>• Improves equity/improvements for vulnerable populations</li> </ul>	<ul style="list-style-type: none"> <li>• Manage shoreline erosion from sea level rise and coastal flooding.</li> </ul>	<ul style="list-style-type: none"> <li>• Official Community Plan</li> </ul>
<b>Emergency Response and Human Health - Influential on Resilience</b>								
13	Continue to inform and facilitate community education about preparedness across hazards, and build stronger connections with community associations and businesses with the aim of improved preparedness for extreme weather events.	Quick Win	2022			<ul style="list-style-type: none"> <li>• Improves community liveability/vitality</li> <li>• Reduces vulnerability to extreme temperatures and weather events</li> <li>• Improves equity/improvements for vulnerable populations</li> <li>• Improves human health and well being</li> <li>• Supports local food security initiatives</li> <li>• Reduces risks to property values</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure all members of the community have equal access to information, support, and resources related to preparing for climate change impacts.</li> </ul>	<ul style="list-style-type: none"> <li>• Disaster Response Plan</li> </ul>
14	Develop an extreme weather response plan with a focus on supporting the most vulnerable populations and identify and improve the capacity of multi-purpose areas within civic facilities and parks that could be converted to cooling, warming, and emergency support centres when needed.	Best Bet	2021			<ul style="list-style-type: none"> <li>• Improves community liveability/vitality</li> <li>• Reduces vulnerability to extreme temperatures and weather events</li> <li>• Improves equity/improvements for vulnerable populations</li> <li>• Improves human health and well being</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure all members of the community have equal access to information, support, and resources related to preparing for climate change impacts.</li> <li>• Ensure the City is ready to respond to climate-related hazards, such as flooding, wildfires, and extreme heat.</li> </ul>	<ul style="list-style-type: none"> <li>• Outstanding Council motion</li> <li>• Council Strategic Plan</li> <li>• Disaster Response Plan</li> </ul>
<b>Infrastructure - Influential on Resilience</b>								
15	Incorporate climate change considerations into integrated stormwater management process and planning.	Quick Win	2021			<ul style="list-style-type: none"> <li>• Reduces burden on water related infrastructure (e.g. drinking water supply, stormwater)</li> <li>• Reduces vulnerability to extreme temperatures and weather events</li> <li>• Optimizes energy use reduction</li> <li>• Improves cost savings</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure civic infrastructure and natural assets are well-maintained and improved/ restored/replaced when necessary so they are more resilient to the anticipated effects of climate change.</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Stormwater Management Plans</li> <li>• Official Community Plan</li> </ul>
<b>Natural Environment - Influential on Resilience and GHG Emissions Reduction</b>								
16	Continue to increase public awareness and engagement with environmental programs	Quick Win	2021			<ul style="list-style-type: none"> <li>• Improves community liveability/vitality</li> </ul>	<ul style="list-style-type: none"> <li>• Restore/strengthen our natural environment so that ecosystems and species are more likely to adapt to the effects of a warming climate and help buffer the impacts.</li> </ul>	<ul style="list-style-type: none"> <li>• Council Strategic Plan</li> </ul>
17	Develop an Urban Forest Management Strategy	Major Project	2021			<ul style="list-style-type: none"> <li>• Improves biodiversity/habitat creation</li> <li>• Improves water retention/absorption</li> <li>• Improves air/water quality</li> <li>• Improves community liveability/vitality</li> <li>• Reduces burden on grey infrastructure</li> <li>• Captures pollutants</li> <li>• Increase carbon storage/sequestration</li> <li>• Reduces extreme temperatures</li> </ul>	<ul style="list-style-type: none"> <li>• Restore/strengthen our urban forests, which provide benefits such as: reducing emissions by storing carbon; providing shade, moderating air temperature, deflecting strong winds; and improving air quality.</li> </ul>	<ul style="list-style-type: none"> <li>• Outstanding Council motion</li> </ul>
18	Implement strategies to protect, restore, and connect ESAs city-wide	Quick Win	2021			<ul style="list-style-type: none"> <li>• Improves biodiversity/habitat creation</li> <li>• Improves air/water quality</li> <li>• Captures pollutants</li> <li>• Increase carbon storage/sequestration</li> </ul>	<ul style="list-style-type: none"> <li>• Restore/strengthen our natural environment so that ecosystems and species are more likely to adapt to the effects of a warming climate and help buffer the impacts.</li> </ul>	<ul style="list-style-type: none"> <li>• Parks and Recreation Master Plan</li> <li>• Environmentally Sensitive Areas Strategy</li> </ul>

19	Develop climate resilient landscaping strategies for public lands	Best Bet	2021	<div> <div></div> <div>Low effect</div> <div>High effect</div> </div>	<div> <div></div> <div>Low effect</div> <div>High effect</div> </div>	<ul style="list-style-type: none"> <li>• Improves biodiversity/habitat creation</li> <li>• Improves water retention/absorption</li> <li>• Improves air/water quality</li> <li>• Improves community liveability/vitality</li> <li>• Reduces burden on grey infrastructure</li> <li>• Captures pollutants</li> <li>• Increase carbon storage/sequestration</li> <li>• Reduces extreme temperatures</li> </ul>	<ul style="list-style-type: none"> <li>• Restore/strengthen our natural environment so that ecosystems and species are more likely to adapt to the effects of a warming climate and help buffer the impacts.</li> </ul>	<ul style="list-style-type: none"> <li>• Council Strategic Plan</li> </ul>
20	Improve Standards for Erosion and Sediment Control for new developments and City projects.	Quick Win	2021	<div> <div></div> <div>Low effect</div> <div>High effect</div> </div>	<div> <div></div> <div>Low effect</div> <div>High effect</div> </div>	<ul style="list-style-type: none"> <li>• Improves water quality</li> <li>• Reduces burden on grey infrastructure</li> <li>• Reduces pollutants</li> </ul>	<ul style="list-style-type: none"> <li>• Restore/strengthen our natural environment so that ecosystems and species are more likely to adapt to the effects of a warming climate and help buffer the impacts.</li> </ul>	<ul style="list-style-type: none"> <li>• Council Strategic Plan</li> <li>• Official Community Plan</li> </ul>
21	Develop and implement a natural assets management plan with consideration of a carbon budget.	Major Project	2021	<div> <div></div> <div>Low effect</div> <div>High effect</div> </div>	<div> <div></div> <div>Low effect</div> <div>High effect</div> </div>	<ul style="list-style-type: none"> <li>• Improves biodiversity/habitat creation</li> <li>• Improves water retention/absorption</li> <li>• Improves air/water quality</li> <li>• Improves community liveability/vitality</li> <li>• Reduces burden on grey infrastructure</li> <li>• Captures pollutants</li> <li>• Increase carbon storage/sequestration</li> <li>• Reduces extreme temperatures</li> </ul>	<ul style="list-style-type: none"> <li>• Restore/strengthen our natural environment so that ecosystems and species are more likely to adapt to the effects of a warming climate and help buffer the impacts.</li> </ul>	<ul style="list-style-type: none"> <li>• Outstanding Council motion</li> </ul>
Organization Wide - Enabling Measures								
22	Develop policy and procedures to embed climate mitigation and adaptation considerations throughout day-to-day City business.	Best Bet	2021	<div> <div></div> <div>Low effect</div> <div>High effect</div> </div>	<div> <div></div> <div>Low effect</div> <div>High effect</div> </div>	<ul style="list-style-type: none"> <li>• Supports the local economy</li> <li>• job creation</li> <li>• Improves cost savings</li> <li>• Enhances local autonomy</li> </ul>	<ul style="list-style-type: none"> <li>• Embed an LCR climate lens into City processes.</li> </ul>	<ul style="list-style-type: none"> <li>• Official Community Plan</li> </ul>
23	Integrate climate budgets in the municipal budget process.	Best Bet	2021	<div> <div></div> <div>Low effect</div> <div>High effect</div> </div>	<div> <div></div> <div>Low effect</div> <div>High effect</div> </div>	<ul style="list-style-type: none"> <li>• Improves cost savings</li> <li>• Supports the local economy</li> </ul>	<ul style="list-style-type: none"> <li>• Embed an LCR climate lens into City processes.</li> </ul>	<ul style="list-style-type: none"> <li>• Official Community Plan</li> </ul>