

Attachment 3 - Phase Two Climate Action Impact and Alignment Details

Focus Area and Action		Action Class	Lead Department/Division	Initiation Year	2023 Cost	2024 Cost	Anticipated Relative Effect on 2030 GHG Reduction		Anticipated Relative Effect on Resilience		Co Benefits	Link to City Plans/Commitments
Buildings												
1	Accelerate Adoption of the BC Energy Step Code	Major Project	Policy Planning	2023	\$ 8,500	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li><li>Building Bylaw &amp; Energy Step Code Rezoning Policy</li></ul>
2	Develop and Implement a Concierge Retrofit Program for large and small Buildings – Phase 1 & 2	Major Project	Policy Planning	2023	\$ 10,000	TBD	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li></ul>
3	Revise the Demolition Permit to Increase Recycling and Deconstruction Requirements	Quick Win	Policy Planning	2023	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Official Community Plan</li><li>Climate Action Plan</li></ul>
4	Embodied Emissions in New Construction Research and Options	Major Project	Policy Planning	2023	\$ 48,000	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li></ul>
5	Identify Oil and Propane-Heated Buildings	Best Bet	Policy Planning	2023	\$ 10,000	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li></ul>
6	Implement Permit Streamlining for Low Carbon Buildings	Best Bet	Policy Planning	2023	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li><li>Official Community Plan</li></ul>
7	Mandatory Building Energy Benchmarking and Disclosure Requirement for Part 3 Buildings	Major Project	Policy Planning	2023	\$ -	TBD	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Improves cost savings</li><li>Creates jobs</li><li>Supports the local economy</li><li>Supports energy use reduction and transition to clean/renewable energy</li><li>Improves air quality</li><li>Improves human health</li></ul>	<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li></ul>
8	Pilot Low-Carbon Resilience Audits in Civic Facilities	Best Bet	Policy Planning	2023	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li></ul>
9	Top-ups for Existing Incentive Programs	Best Bet	Policy Planning	2023	\$ 25,000	TBD	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li></ul>
10	Update Bylaw Barriers for Low Carbon New Buildings and Retrofits	Quick Win	Policy Planning	2023	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li></ul>
11	Develop a Thermal Conditioning Permit	Major Project	Building Bylaws and Licensing	2024	\$ -	\$ 10,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li></ul>
12	Create a Zero Emissions Municipal Building Policy	Best Bet	Policy Planning	Initiation	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li><li>Official Community Plan</li></ul>
13	Embodied Emissions Disclosure at Time of Permit	Best Bet	Policy Planning	2024	\$ -	\$ 5,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li></ul>
14	Encourage Voluntary Disclosure for Carbon and Risk of Part 3 Buildings	Best Bet	Policy Planning	2024	\$ -	\$ 8,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li></ul>
15	Benchmark and Disclose Civic Facility Energy Use and Emissions Annually	Quick Win	Policy Planning	2023	\$ -	TBD	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li></ul>
Transportation and Mobility												
16	Develop Business License Requirements that Support Low-Emission Ride-Hailing Services and Autonomous Vehicles	Quick Win	Building Bylaws and Licensing	2023	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li></ul>
17	Revise Parking Minimums and Create Parking Maximums	Major Project	Infrastructure Engineering Services	2024	\$ -	\$ 60,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Reduces congestion</li><li>Optimizes energy savings</li><li>Improves community livability/ vitality</li><li>Improves human health and well being</li><li>Improves air quality</li></ul>	<ul style="list-style-type: none"><li>Climate Ready Homes and Buildings Plan</li><li>Climate Action Plan</li><li>Official Community Plan</li></ul>
18	Advocate for Significant Policy Changes that Reduce Emissions from Transportation	Quick Win	Infrastructure Engineering Services	2023	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li></ul>
19	Create Public Education Campaigns to Increase Awareness of Zero-Emission Vehicle Options	Quick Win	Policy Planning	2024	\$ -	\$ 10,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li></ul>
20	Explore Creating Pedestrian Priority Zones in Key Areas	Major Project	Project Delivery Services	2024	\$ -	\$ 75,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li></ul>
Waste Reduction and Management												
21	Develop a Zero-Waste Strategy for City Facilities and City Events	Major Project	Solid Waste, Fleet, and Shared Services	2023	\$ 75,000	TBD	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li></ul>
22	Develop a Community and Commercial Focused Zero Waste Strategy	Major Project	Solid Waste, Fleet, and Shared Services	2024	\$ -	\$ 43,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Optimizes resources</li><li>Supports energy use reduction and clean energy transition</li><li>Improves air quality</li></ul>	<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li></ul>
23	Work with partner organizations on public education campaigns to increase awareness of waste reduction tools, programs and information	Best Bet	Solid Waste, Fleet, and Shared Services	2023	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li></ul>
Land Use and Growth Management												
24	Review and Update Design Guidelines with a Climate Lens	Best Bet	Project Delivery Services	2023	\$ 43,000	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li><li>Climate Ready Homes and Buildings Plan</li></ul>
25	Apply a Climate Lens to existing hazard mapping and Development Permit Areas	Best Bet	Policy Planning	2024	\$ -	\$ 5,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Creates jobs</li><li>Reduces congestion</li><li>Improves community livability/ vitality</li><li>Improves equity/improvements for vulnerable populations</li></ul>	<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li><li>Climate Ready Homes and Buildings Plan</li></ul>
26	Create and Implement a Policy to Encourage Development of Complete, Compact Communities	Best Bet	Policy Planning	2024	\$ -	\$ 5,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Improves equity/improvements for vulnerable populations</li></ul>	<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li><li>Climate Ready Homes and Buildings Plan</li></ul>
27	Update and Expand Existing Rezoning Policies with a Climate Lens	Best Bet	Policy Planning	2024	\$ -	\$ 8,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Supports the local economy</li></ul>	<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li><li>Climate Ready Homes and Buildings Plan</li></ul>
Emergency Response and Human Health												
28	Identify and expand opportunities to provide clean/cool air community shelters	Best Bet	Fire Rescue	2023	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li><li>Extreme Weather Resilience Plan</li></ul>
29	Advocate for Upgrades to School Air Conditioning	Quick Win	Policy Planning	2023	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Extreme Weather Resilience Plan</li></ul>
30	Establish 'Extreme Weather Ambassadors'	Major Project	Policy Planning	2023	\$ 25,500	TBD	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Extreme Weather Resilience Plan</li></ul>
31	Develop a Registry of Vulnerable Populations	Quick Win	Policy Planning	2023	\$ 9,000	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Extreme Weather Resilience Plan</li></ul>
32	Work with Utility Companies to Prioritize Restoration of Power to Lifelines and Vulnerable Populations	Best Bet	Policy Planning	2024	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Improves equity/improvements for vulnerable populations</li><li>Improves community livability/vitality</li><li>Reduces vulnerability to extreme temperatures and weather events</li></ul>	<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Extreme Weather Resilience Plan</li></ul>
33	Engage Strata Councils and Large Building Management Companies	Major Project	Policy Planning	2024	\$ -	\$ 10,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Improves human health and well being</li><li>Reduces risks to property values</li><li>Improves cost savings</li></ul>	<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Extreme Weather Resilience Plan</li></ul>
34	Develop a Plan to ensure City departments are adequately staffed and equipped to respond to extreme weather events	Major Project	Policy Planning	2024	\$ -	\$ 27,300	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Extreme Weather Resilience Plan</li></ul>
35	Increase Tri-Cities collaboration and coordination to Extreme Weather	Quick Win	Policy Planning	2023	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Extreme Weather Resilience Plan</li></ul>
36	Enhance extreme weather event awareness, preparedness, and increase education to residents	Quick Win	Policy Planning	2023	\$ 5,000	\$ 5,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Extreme Weather Resilience Plan</li></ul>
37	Continue guidance for City Staff outdoor workers during extreme weather events	Quick Win	Human Resources	2023	\$ -	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Extreme Weather Resilience Plan</li></ul>
Infrastructure												
38	Develop a Plan for Water Metering in Port Moody	Major Project	Infrastructure Engineering Services	2023	\$ -	TBD	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li></ul>
39	Implement Effective Utility Management Principles	Major Project	Operations	2024	\$ -	\$ 20,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Reduces burden on water related infrastructure (e.g. drinking water supply, stormwater)</li></ul>	<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li></ul>
40	Develop a Green Infrastructure Strategy	Major Project	Project Delivery Services	2023	\$ 275,000	TBD	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Reduces vulnerability to extreme temperatures and weather events</li><li>Optimizes energy use reduction</li></ul>	<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li><li>Extreme Weather Resilience Plan</li></ul>
41	Incorporate climate change considerations into the City's water distribution and wastewater collections systems	Best Bet	Operations	2023	\$ -	TBD	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Improves cost savings</li><li>Improves water retention/absorption</li></ul>	<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li></ul>
42	Complete more detailed climate risk assessments of critical or vulnerable municipal facilities and/or assets (e.g. using Public Infrastructure Engineering Vulnerability Committee (PIEVC) Protocol)	Best Bet	Infrastructure Engineering Services	2023	\$ -	TBD	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li></ul>
Natural Environment												
43	Develop and Regularly Update the Invasive Species Management Program	Best Bet	Environment and Parks	2023	\$ 30,000	\$ 50,000	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Improves biodiversity/habitat creation</li><li>Improves water retention/absorption</li><li>Improves air/water quality</li></ul>	<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li></ul>
44	Continue to partner with local stewardship groups	Quick Win	Environment and Parks	2023	\$ 208,000	\$ -	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect	<ul style="list-style-type: none"><li>Improves community livability/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>Climate Action Plan</li><li>Official Community Plan</li></ul>
45	Complete and Initiate the Parkland Strategy to Guide Parkland Acquisition	Major Project	Project Delivery Services	2023	\$ -	TBD	<div><div></div></div> Low effect	<div><div></div></div> High effect	<div><div></div></div> Low effect	<div><div></div></div> High effect		<ul style="list-style-type: none"><li>Climate Action Plan</li><li>Official Community Plan</li></ul>