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To: ["Direct to Mayor and Council - DL"](#)

Date: 6/28/2022 2:59:18 PM

Subject: [Additional Information: Climate Change - 2023-2026 Capital Plan: Final Plan - June 29, 2022](#)

Attachments: [2023-2026 Capital Plan - Climate spreadsheet for Council - 2022-06-27.xlsx](#)  
[2023-2026 Capital Plan - Climate Summary slides for Council - 2022-06-28.pdf](#)

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Dear Mayor and Council,

Based on questions received at the Staff Council briefing on June 20<sup>th</sup>, please find attached slides which summarize the investment allocations to support action on Climate Change in the 2023-2026 Capital Plan. Staff have also provided a spreadsheet summarizing the investments in a drill down format comparable to the spreadsheet summaries previously circulated to Council.

Should you have any questions, please feel free to contact me or Patrice Impey.

Best,  
Paul

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The City of Vancouver acknowledges that it is situated on the unceded traditional territories of the x<sup>w</sup>məθk<sup>w</sup>əyəm (Musqueam), Skwxwú7mesh (Squamish), and səlilwətał (Tsleil-Waututh) Nations.

Servic Serviv Serviv Program / major projects	Overall \$M	CEAP Mitigation \$M	CCAS Adaptation \$M	CEAP / CCAS \$M	Other Mitigation \$M	Other Adaptation \$M	All Climate \$M
<b>Housing</b>	<b>616.8</b>	-	-	-	-	-	-
Childcare	136.1	-	-	-	-	-	-
<b>Parks &amp; public open spaces</b>	<b>208.3</b>	<b>44.8</b>	<b>58.7</b>	<b>67.6</b>	<b>56.9</b>	<b>58.4</b>	<b>126.0</b>
Arts, culture & heritage	150.6	-	-	-	-	-	-
Community facilities	391.3	-	-	-	-	58.0	58.0
Public safety	105.0	3.6	-	3.6	-	-	3.6
Civic facilities & equipment	56.8	8.8	10.0	18.8	2.0	-	20.8
Streets	468.0	178.8	-	178.8	8.9	1.0	187.7
Water, sewers & drainage	874.5	41.7	113.1	113.8	10.0	55.2	169.0
Waste collection, diversion & disposal	140.8	1.3	-	1.3	59.0	-	60.3
Renewable energy	73.1	54.7	-	54.7	18.4	-	73.1
Technology	110.0	-	-	-	-	-	-
<b>Emerging priorities, contingency &amp; project delivery</b>	<b>160.9</b>	-	<b>20.0</b>	<b>20.0</b>	-	-	<b>20.0</b>
Overall	3,492.2	333.7	201.8	458.6	155.2	172.7	718.6



# 2023-2026 Capital Plan – Climate Breakdown

Special Council Meeting - June 29, 2022



## Council resolution (Feb. 9, 2022):

- Emphasis placed on funding to support climate change mitigation

### Mitigation

- The City has set an ambitious target of cutting carbon emissions by 50% by 2030 and achieving net zero before 2050
- The ***Climate Emergency Action Plan*** (2020) sets out a five-year roadmap for achieving those targets

### Adaptation

- The climate in Vancouver is changing and will continue to change. We need to adapt.
- The ***Climate Change Adaptation Strategy*** (2018) sets out a five-year action plan for advancing climate resilience and adaptation

## 2023-2026 Capital Plan investments: ~\$335M\*

### **Big Move 2 (walking, cycling and transit)**

- Walking, cycling and traffic calming improvements, including Kent Ave. & Portside Greenway
- Transit priority projects – leveraging TransLink funding

### **Big Move 3 (electric vehicles)**

- Continued roll-out of public EV charging
- Increased funding to support and enable EV charging in rental buildings

### **Big Moves 4 and 5 (green buildings)**

- Advance carbon emission limits on existing buildings and support builders, trades, etc.
- Continued expansion of Neighbourhood Energy Utility
- Civic retrofits targeting highest GHG savings

### **Big Move 6 (carbon sequestration)**

- Continued implementation of green infrastructure and new park space
- Continued planting of trees in parks; slowing down of new trees planted on streets

\* ~\$77M overlap with climate change adaption funding total (projects address both CEAP and CCAS objectives)

# Climate Mitigation – Climate Emergency Action Plan

- In addition, ~**\$155M** allocated for projects that will reduce carbon pollution but are not core to CEAP. For example:
  - Landfill gas collection
  - Low-carbon fuels for fleet
  - Food waste reduction project
- In many cases, these projects are driven by other outcomes (e.g., regulatory compliance, cost savings, supporting affordability, etc.) but climate mitigation is a co-benefit

## 2023-2026 Capital Plan investments: ~\$200M\*

- Rebuilding damaged portions of seawall with structural improvements
- Coastal flood infrastructure planning and implementation
- Continued improvement and expansion of tree canopy in parks
- Continuing to convert existing park land to natural habitat
- Implementing key Blue-Green System projects including St. George Rainway, and the Alberta Street and Columbia Park project
- Continued implementation of green infrastructure city-wide
- 20 additional drinking fountains and 15,000 additional water meters

\* ~\$77M overlap with climate change mitigation funding total (projects address both CEAP and CCAS objectives)

# Climate Adaptation – Climate Change Adaptation Strategy

- In addition, ~**\$175M** is earmarked for projects that will advance adaptation but are not in the CCAS. For example:
  - Park land acquisition (Oakridge Centre, East Fraser Land)
  - Library/rec centre renewal (heat and AQ shelter capacity)
  - Flood mitigation for sewer & drainage system
- In many cases, these projects are driven by other outcomes (e.g., regulatory compliance, cost savings, supporting affordability, etc.) but climate adaptation is a co-benefit



# 2023-2026 Capital Plan by Service Category – Climate Summary

<b>2023-2026 Capital Plan by service category</b>	<b>CEAP</b>	<b>CCAS</b>	<b>CEAP &amp;</b>	<b>Other</b>	<b>Other</b>	<b>All</b>
<i>\$ millions</i>	<b>Mitigation</b>	<b>Adaptation</b>	<b>CCAS</b>	<b>Mitigation</b>	<b>Adaptation</b>	<b>Climate</b>
<b>Overall</b>						
Housing	617	-	-	-	-	-
Childcare	136	-	-	-	-	-
Parks & public open spaces	208	45	59	68	57	126
Arts, culture & heritage	151	-	-	-	-	-
Community facilities	391	-	-	-	-	58
Public safety	105	4	-	4	-	4
Civic facilities & equipment	57	9	10	19	2	-
Streets	468	179	-	179	9	1
Water, sewers & drainage	874	42	113	114	10	55
Waste collection, diversion & disposal	141	1	-	1	59	-
Renewable energy	73	55	-	55	18	-
Technology	110	-	-	-	-	-
Emerging priorities, contingency & project delivery	161	-	20	20	-	-
<b>Overall</b>	<b>3,492</b>	<b>334</b>	<b>202</b>	<b>459</b>	<b>155</b>	<b>173</b>