

# Climate Emergency Big Move 6

**Dec. 13 Park Board update on Council Report of  
Dec. 8**



Vancouver  
Plan



# agenda

**Part 1: Introduction to BM6**

**Part 2: Context: City and Park Board policies**

**Part 3: Adopted targets + quick start Park Board projects**

**Part 4: Q+A**

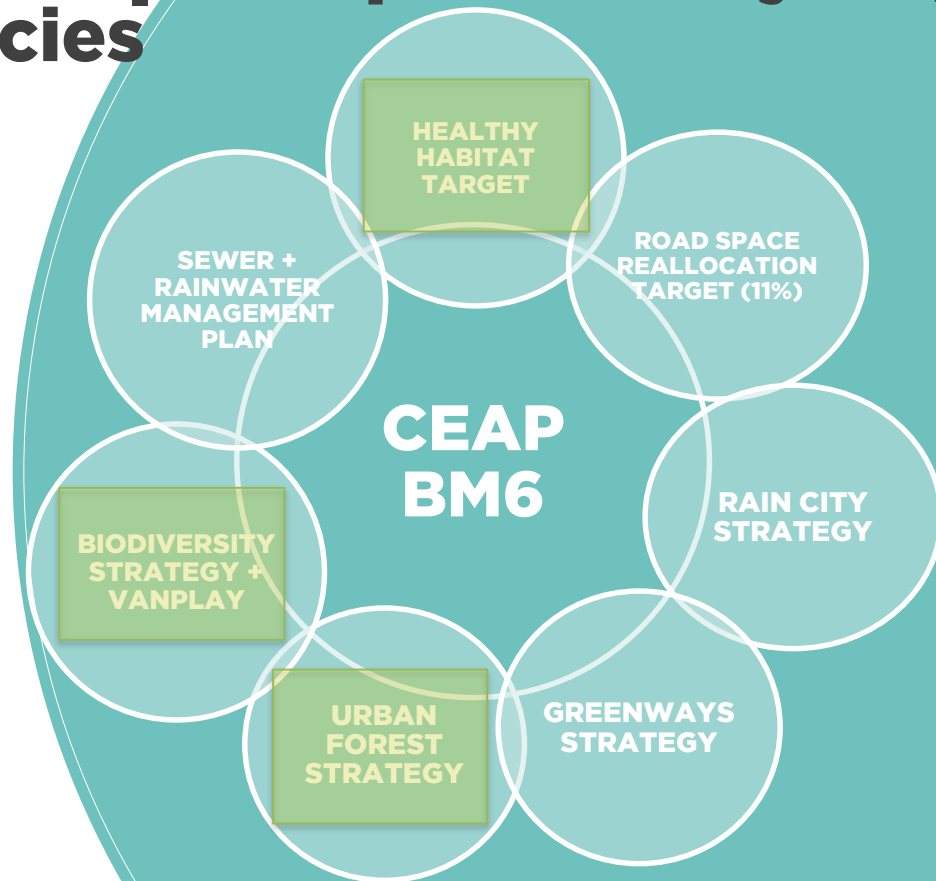


As shown below, this report—the Climate Emergency Action Plan (CEAP)—provides a 5-year plan that will put the City on track to achieve four of the six Big Move targets (BM2–BM5); reducing Vancouver’s carbon pollution and making the city healthier and more resilient. Big Move 1 (walkable communities) will be addressed through the Vancouver Plan and Big Move 6 (carbon sequestration) will be reported back to Council in 2021.



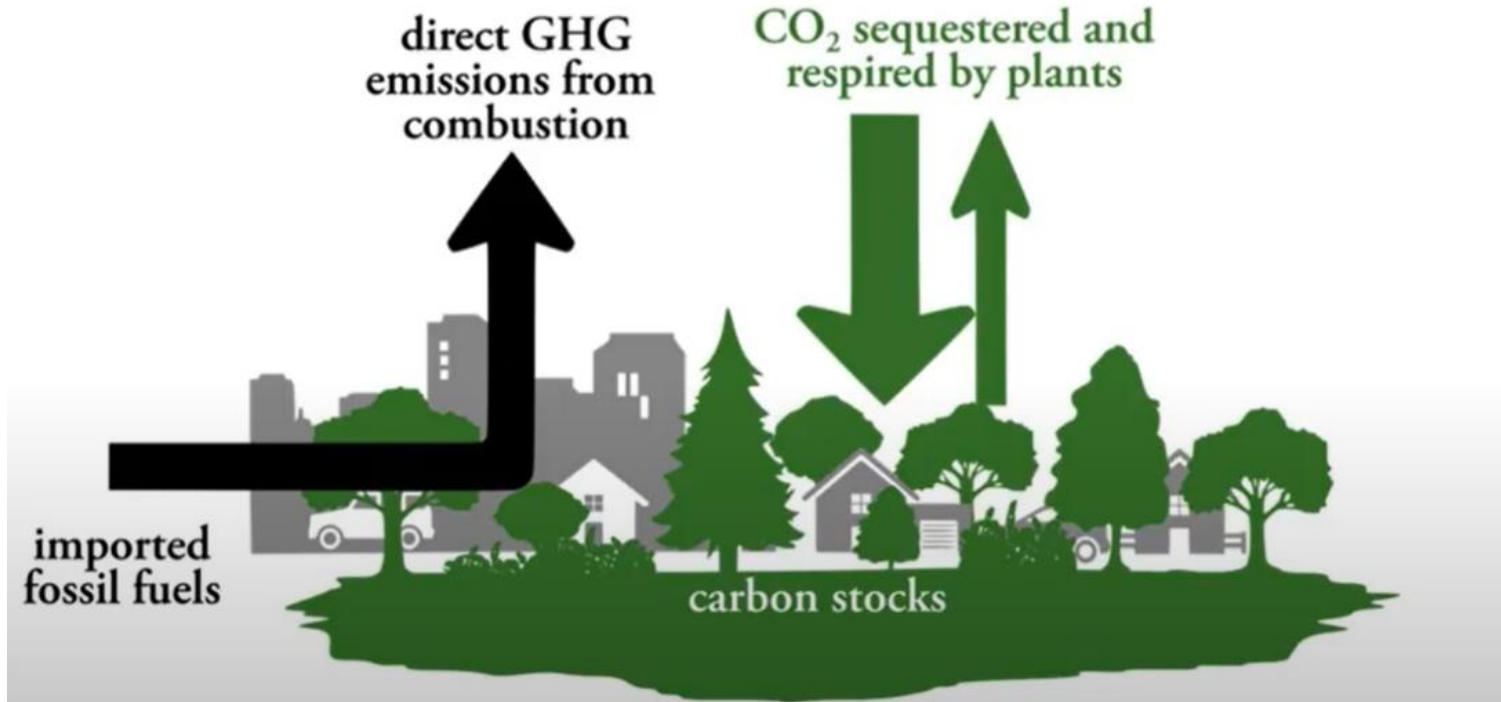
# BM6 | policies

## Complementary City and Park Board



# Vancouver Plan

# BM6 | Mitigation



# Big Move 6 | Natural Climate Solutions

report back:  
**natural carbon  
sequestration  
targets +  
recommended  
pilot projects +  
partnerships**

# BM6 | Natural Climate Solutions (NCS)



## Climate Mitigation



Carbon Sequestration



Emissions Reduction



## Adaptation & Climate Resilience



Heat Management



Reduced Drought Risk



Reduced Flood Risk



Reduced Fire Risk



Improved Air & Water Quality



Increased Biodiversity



## Equity



Equity-Based Economic Opportunities



Equitable Distribution of Ecosystem Services

# BM6 | Current baseline inside city

## **PATHWAY**

## **NET BIOSEQUESTRATION**

*tCO<sub>2</sub>e/year*

Street + Private Trees	13,147
Forest + Park Trees	2,068
Urban Areas	371
Wetland	228
Grassland	4
<b>TOTAL</b>	<b>15,819</b>



# BM6 | Proposed targets

## VANCOUVER PLAN POLICY DIRECTIONS INCLUDE NCS

Proposed addition to baseline\*:

**5,000**

tCO<sub>2</sub>/yr by 2050

*\* 15,819 tCO<sub>2</sub>e/yr baseline*

## REGIONAL APPROACH

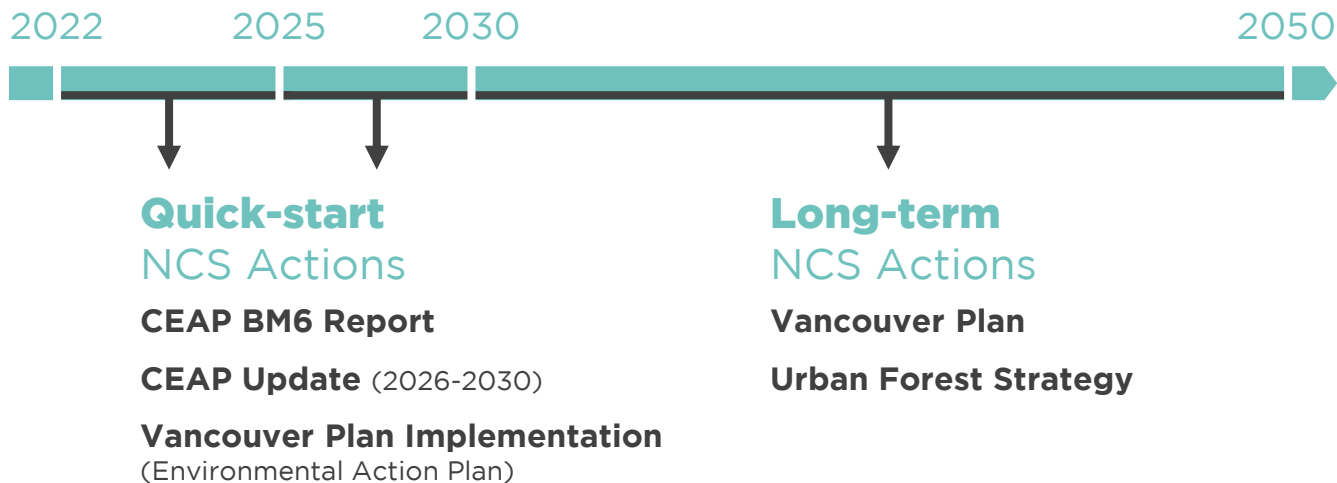
Report back in

**2024**

with a proposed target for  
outside of Vancouver

# BM6 | Inside city

## VANCOUVER PLAN POLICY DIRECTION



# BM6 | Inside city on private land

## NEW CEAP Action 6.01

### Retain/enhance NCS on private land

- Plan creative space solutions (Vancouver Plan)
- Capitalize on one-year tree bylaw review
- Develop a plan to catalyze business action on NCS (VEC)



# BM6 | Inside city on public land

## NEW CEAP Action 6.02

### Enhance NCS on public land

- **Develop an ecological network (Vancouver Plan)**
- **Support implementation of an updated urban forest strategy**
- **Continue + amplify the naturally managed areas program**
- **Plant trees in equity zones, school hot blocks, blue/green network**
- **Supporting actions: funding, soil guidelines, natural asset inventory**

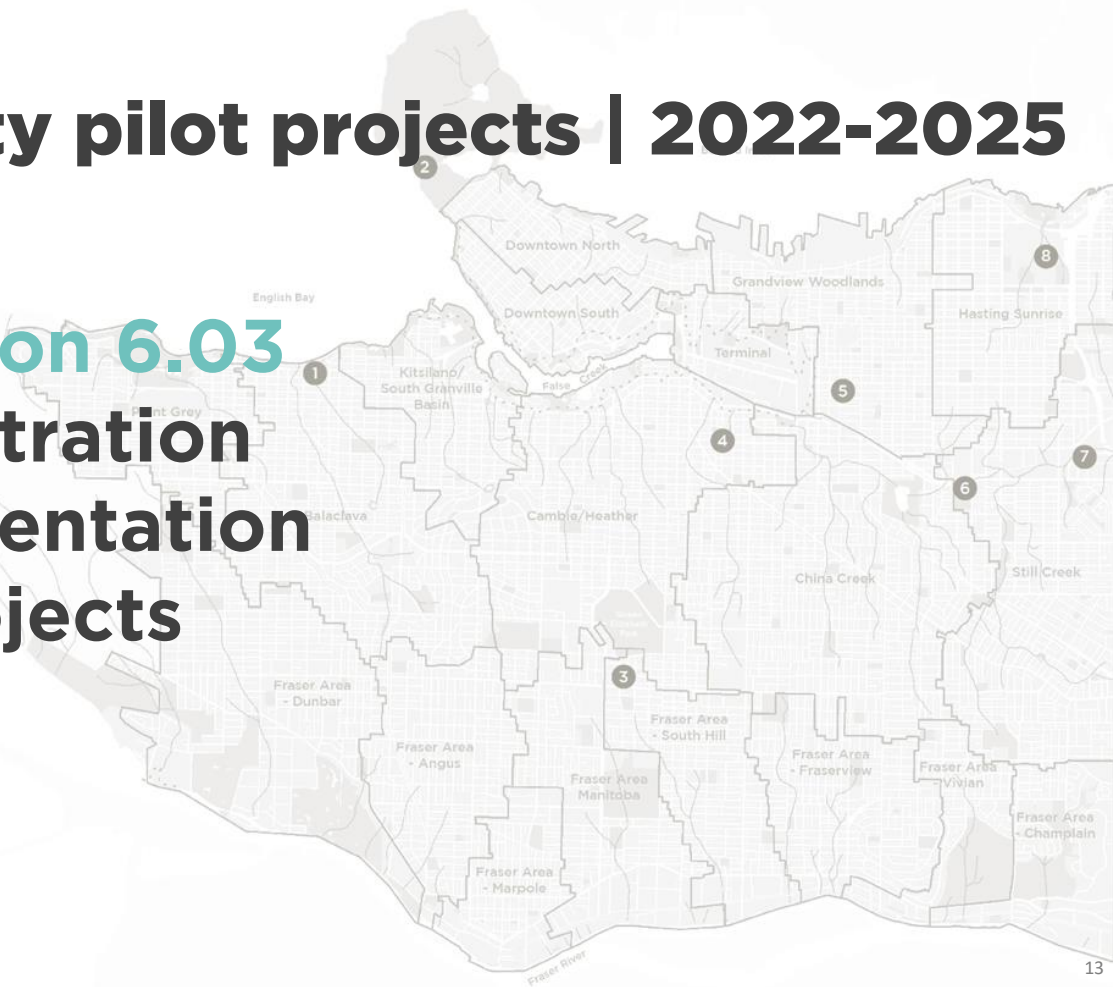







# BM6 | Inside city pilot projects | 2022-2025

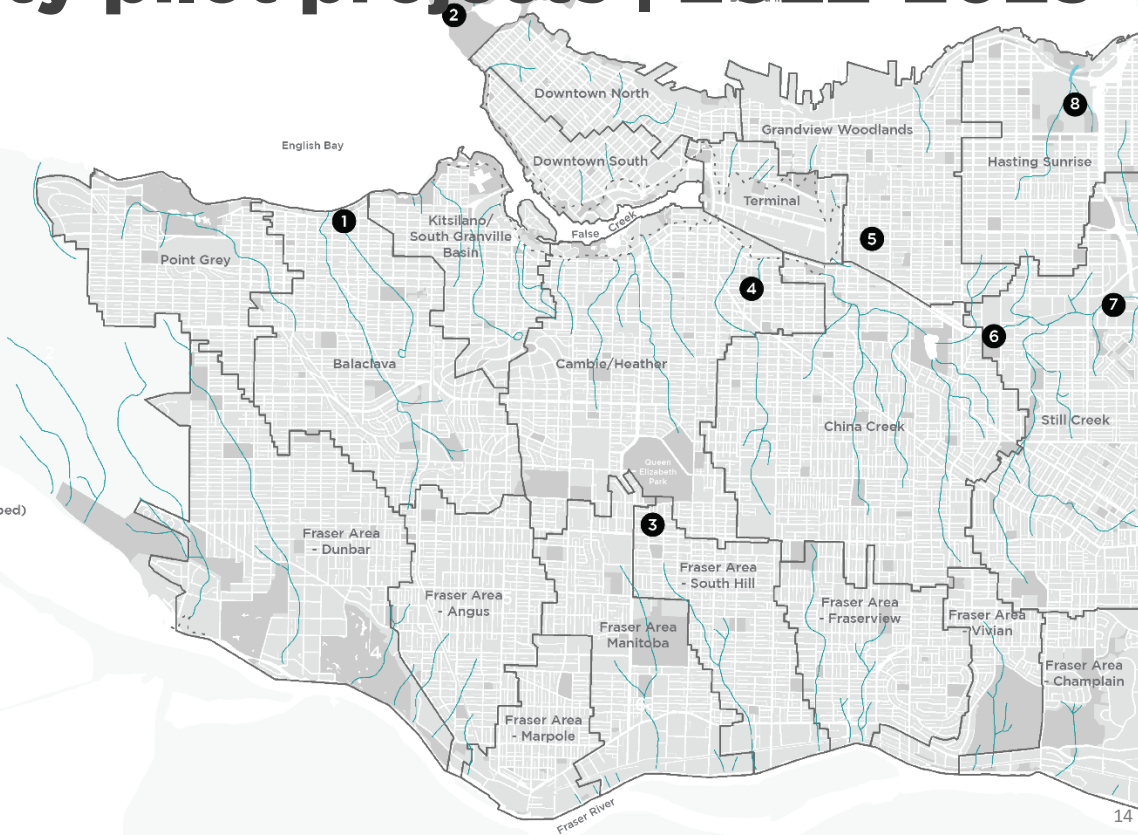
## NEW CEAP Action 6.03

**Enhance sequestration  
through implementation  
of NCS pilot projects  
within the city**



# BM6 | Inside city pilot projects | 2022-2025

- 1 Tatlow & Voluneteer Park
  - 2 Lost Lagoon Restoration
  - 3 Alberta Street & Columbia Park
  - 4 St. George Rainway
  - 5 Woodland Street & E 2<sup>nd</sup> Avenue
  - 6 Beaconsfield Park
  - 7 Still Creek Cornett Road
  - 8 Hastings-Sunrise/ Renfrew Creek One Water Plan
  - 9 Still Creek Rehabilitation and Enhancement Study Update (not mapped)
-  Historic Streams
  -  Historic Shoreline
  -  Watersheds



**City Council's December 8 decision (of direct relevance to Park Board):**

**B. THAT Council direct staff to integrate Natural Climate Solutions within land use policy directions in Vancouver Plan and that staff report back with associated longer term actions (2025 onward) and a refined target by 2024; and**

**D. THAT Council direct staff to work with the Vancouver Board of Parks and Recreation to develop a plan to increase the city-wide tree canopy from the current 23% to 30% (target adopted by Park Board in 2020) by 2050 and ground it in the Vancouver Plan land use strategy; and**

**E. THAT Council receive for information the 5-year forecast of City investment requirements to support the quick start actions as outlined in Appendix C of the Report dated November 26, 2021, entitled "Climate Emergency Action Plan – Big Move 6: Natural Climate Solutions", to scale up sequestration efforts over the next five years, which will be considered as part of the City's capital planning processes; and direct staff to pursue**

**... F. (amendments as approved)**

**THAT staff work in collaboration with the Vancouver Park Board to evaluate the potential of establishing a fund to facilitate private donations, private and commercial carbon purchases, and cash-in-lieu of tree replacement (as per by-law 9958) to be dedicated to planting trees on City-owned property, non-profit (Vancouver School Board, co-op, etc.) and private (residential, commercial, industrial lands).**

**FURTHER THAT the City of Vancouver Engineering Services work with Vancouver Park Board staff to establish a plan to transition all suitable medians, road, etc. to natural management**

**AND FURTHER THAT the following be included in Appendix B - Rainwater Park Integration:**

- a. 'Canyon Creek' at Spanish Banks**
- b. 'Trout Lake' at John Henry Park**



# **BM6 | Next Steps**

## **Climate Levy**

**part of City budget approved December 7**

**\$2M of the \$9M Climate Levy is earmarked for Natural Climate Solutions for 2022 implementation**

**Allocation as part of BM6 implementation**

**Park Board projects included**

# BM6 | Urban forest

## **SPRING 2022**

PROTECTION OF TREE  
BYLAW UPDATE

## **SUMMER 2022**

URBAN FOREST  
STRATEGY UPDATE



# BM6 Plan

CONNECTIVITY

## VanPlay concepts into Vancouver

### GUIDING PRINCIPLES

This vision is guided by four main principles:

1. Vibrant, active communities



2. Flow of water



3. Sense of place



4. Thriving ecosystems



An underwater photograph of a coral reef. The water is a deep teal color. In the foreground, there are large, textured coral structures. In the background, a diver is visible, partially obscured by the coral. The overall scene is serene and natural.

# **THANK YOU**

Staff can now  
take your  
questions.