

Council Report

accelerated + additional climate measures

2023 06 14



Vancouver
Plan





The City of Vancouver is on the unceded traditional territory of the Musqueam, Squamish and Tseil-Waututh First Nations.

These lands are the foundation of thousands of years of living culture of the Musqueam, Squamish and Tseil-Waututh peoples.

We acknowledge hən'qəmin'əm' and Sḵwxwú7mesh as the original languages of these lands.

Agenda

- Context
- Additional and accelerated climate measures *recommendations*
- A look ahead



Vancouver has declared a climate emergency and set targets in line with what global scientists call for in order to avoid catastrophic climate change.

Local climate action provides opportunities for

- reconciliation**
- equity**
- accessibility**
- safety and health**
- economy**

We have a plan to **cut carbon pollution in half** by 2030.

Climate Emergency Action Plan *2020-2025*

1

COMPLETE, WALKABLE
NEIGHBOURHOODS

2

ACTIVE
TRANSPORTATION
& TRANSIT

3

ZERO EMISSIONS
VEHICLES

4

ZERO EMISSIONS
SPACE & WATER
HEATING

5

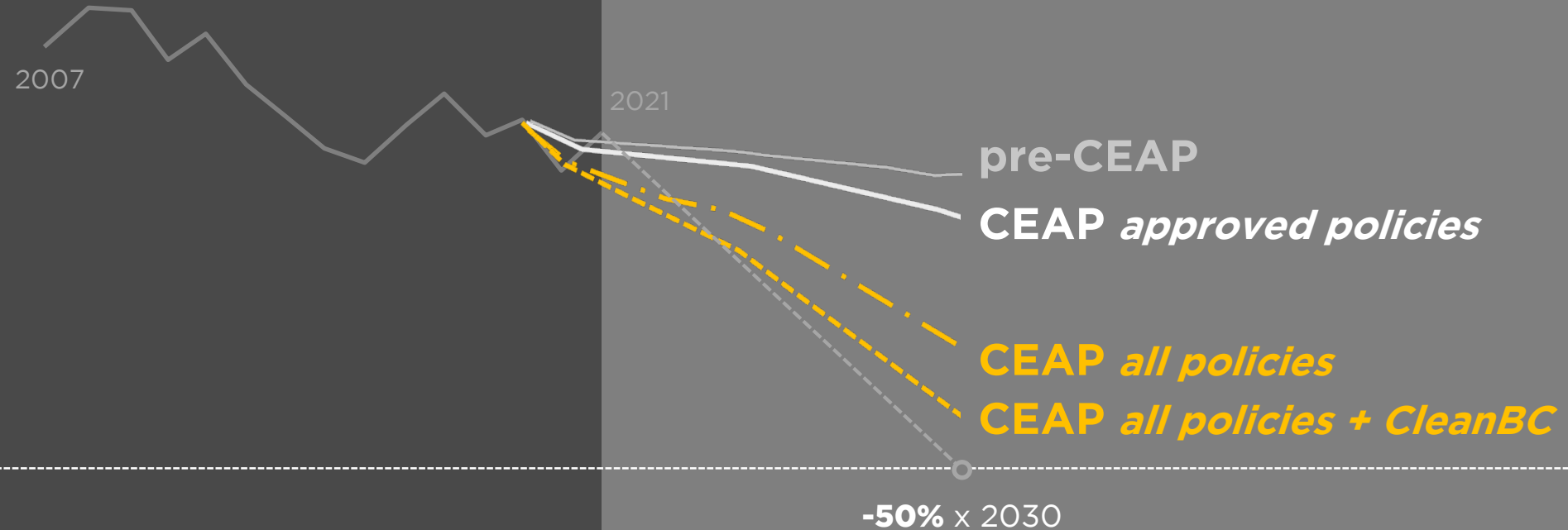
LOW CARBON
MATERIALS &
CONSTRUCTION
PRACTICES

6

RESTORED
COASTS &
FORESTS

The 2021 and 2022 annual reports indicated that, despite work to date and planned policies we are **not on track** to reach our targets.

More action is needed.



CEAP 2021-25



Vancouver Plan – Amendment P

THAT, in order to achieve our Climate Emergency Action Plan goals, which are currently **not on track** ... Council direct staff to **explore and report back to Council** on accelerated and additional measures...

CEAP 2021-25

CEAP 2025 - 2030

continuing to implement CEAP means...



“

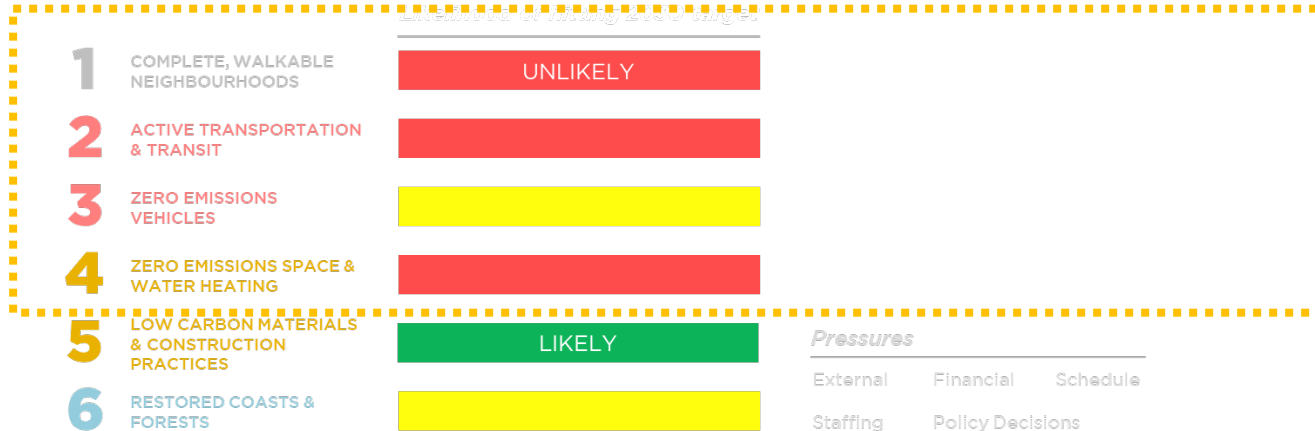
Every bit of warming matters. Every year matters and every choice matters.”

IPCC - Petteri Taalas, Secretary General of the World Meteorological Organization and Joyce Msuya, Acting Executive Director of the United Nations Environment Programme

Agenda

- Context
- **Additional and accelerated climate measures** *recommendations*
- A look ahead

Additional + accelerated measures are designed
to **shrink the gap**
where there's **most opportunity.**



Based on evaluation of 16 potential near term measures,
staff recommend 8 measures
for Council decision.

FILTER	DESCRIPTION
carbon pollution impact	qualitative, supports one or more CEAP action(s)
resource implications	measures that could be explored within existing resources
alignment with government mandates	qualitative assessment (H/M/L)
equity opportunities	qualitative assessment (positive, neutral, negative)
other benefits/risks	qualitative assessment (H/M/L)

Many additional and accelerated measures will require

**more analysis,
engagement,
and/or
future Council
decisions**

before implementation.

Q3 2023 +
Additional
technical
analysis and
engagement

JUNE 14

Council report with
recommended
additional and
accelerated
measures to
shrink the gap

**2023 Q4 -
2025 Q1**

Future Council
decisions for
additional and
accelerated
measures

Continued Implementation of Climate Emergency Action Plan.

1 COMPLETE, WALKABLE NEIGHBOURHOODS

90% of people live within an easy walk/roll of their daily needs.

The opportunity

IN SHRINKING THIS GAP, WE HAVE AN OPPORTUNITY TO:

- accelerate housing delivery and affordability
- strengthen resident health and sense of community
- streamline processes

1 COMPLETE, WALKABLE NEIGHBOURHOODS

The recommendations

RECOMMEND TO EXPLORE

Align **existing community plans** with Vancouver Plan to maximize climate benefit

Streamline **electrical services** for missing middle housing

HOW IT HELPS MEET OBJECTIVE

- increases residential and job space in transit-supported areas that already have existing capacity or strategies for utility, infrastructure and amenity upgrades
- reduces a known cost and barrier, while enabling higher uptake of missing middle housing

2

ACTIVE TRANSPORTATION & TRANSIT

By 2030, two thirds of trips in Vancouver will be by active transportation and transit.

The opportunity

IN SHRINKING THIS GAP, WE HAVE AN OPPORTUNITY TO:

- provide low-cost, safe, reliable transportation options for all
 - improve accessibility
- leverage more senior government partnership and funding

The recommendations

RECOMMEND TO EXPLORE	HOW IT HELPS MEET OBJECTIVE
Bring forward potential funding opportunities to advance safety and comfort for walking and cycling	provides resources to accelerate the delivery of active transportation infrastructure, enabling more trips to be made by people walking, cycling instead of driving
Advocate for Provincial funding for active transportation	

3 ZERO EMISSIONS VEHICLES

By 2030, 50% of the kilometres driven on Vancouver's roads will be by zero emissions vehicles.

The opportunity

IN SHRINKING THIS GAP, WE HAVE AN OPPORTUNITY TO:

- prepare for ZEV uptake mandated by CleanBC
- reduce administrative overhead for trades
 - improve City (and BC Hydro) service

The recommendations

RECOMMEND TO EXPLORE	HOW IT HELPS MEET OBJECTIVE
Update the EV Ecosystem Strategy to align with CleanBC ZEV sales targets	<ul style="list-style-type: none">• provides confidence in charging options to prospective EV buyers• prepares Vancouver for CleanBC mandated ZEV sales• aligns with provincial ZEV sales + public charger targets
Improve electrical permitting processes for EV charging	<ul style="list-style-type: none">• removes known barriers in City and BC Hydro processes, supports EV charging installation/EV uptake

4 ZERO EMISSIONS SPACE & WATER HEATING

By 2030, the carbon pollution from buildings will be cut in half from 2007 levels.

The opportunity

IN SHRINKING THIS GAP, WE HAVE AN OPPORTUNITY TO:

- improve resilience to heat events
- improve City (and BC Hydro) service
- spark innovation in construction sector
- maintain alignment with Metro/support CleanBC

4 ZERO EMISSIONS SPACE & WATER HEATING

The recommendations

RECOMMEND TO EXPLORE	HOW IT HELPS MEET OBJECTIVE
Accelerate carbon pollution limit timelines for existing commercial buildings	<ul style="list-style-type: none">• accelerated timelines will boost carbon pollution reductions• aligned with Metro Vancouver regulations
Streamline permits for heat pumps in new and existing residential	<ul style="list-style-type: none">• encourages heat pump uptake by making heat pump installation easier

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A look ahead

TIMELINES ARE SUBJECT TO CHANGE

JUL 2023

BM1 - adding missing middle + simplifying regulations

BM4 - heritage retrofit grants

JUN 2023

BM1-4 - accelerated + additional climate measures

SEP 2023

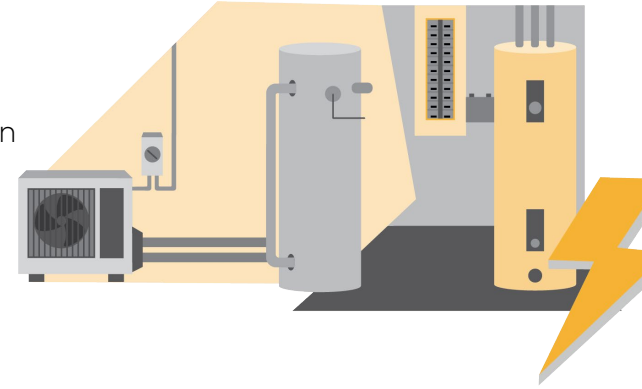
BM4 - hot water equipment regulations for detached homes

DEC 2023

annual implementation update + climate budget

Q4 2023

BM1 - Rupert Renfrew station area plan update
BM1 - Jericho Lands policy statement
BM2 - parking by-law + TDM program revisions
BM3 - residential curbside EV charging licencing
BM3 - EV charging rate update
BM4 - space heating equipment regulations for detached homes
BM4 - residential natural gas usage options update
BM4 - NEU decarbonization roadmap
BM5 - by-law changes for mass timber
BM6 - tree by-law update





THANK YOU

Q+A