Are you prepared to lose all of this?

Greenest City Climate Emergency

City Council 2020 07 07
Vancouver Plan will bring a series of COVID community recovery reports to Council through 2020. Climate Emergency will be one of these reports on Nov 3.
agenda
for information only; no Council decision needed

CE Update
action plan content
engagement results
climate emergency + COVID-19
Accelerated Actions status update

GCAP Update
In many ways, the COVID pandemic has heightened the need for bold climate action...but bold action needs to be sensitive to our new reality.
context: carbon pollution in Vancouver

2007: -9%
context carbon pollution in Vancouver

2007

2019

-9%

2030 target

-50%
context: carbon pollution in Vancouver

- 2007: -9%
- 2019: by 2030 -50%
- before 2050 carbon neutral
- beyond 2050 negative emissions
the biggest emissions source in Vancouver is burning natural gas for heat and hot water

56%
37% then comes burning gas and diesel in vehicles

56%
37%  

and finally electricity and waste.  

56%
6 big moves

1. Walkable Complete Communities
2. Active Transportation + Transit
3. Zero Emissions Vehicles
4. Zero Emissions Space + Water Heating
5. Low Carbon Materials + Construction Practices
6. Restored Coasts + Forests

Vancouver Plan

Climate Emergency Action Plan (CEAP)

reporting in 2021
19 actions

4 game changers

2. Active Transportation + Transit
   - Implement transport pricing in the metro core

3. Zero Emissions Vehicles
   - Implement zero emission parking plan

4. Zero Emissions Space + Water Heating
   - Regulate carbon pollution from existing buildings

5. Low Carbon Materials + Construction Practices
   - Require new buildings to use low carbon materials
engagement summary

internal + external stakeholders

intergovernmental + utilities

public

representative survey

outreach team

climate + equity working group
climate + equity

climate + equity working group

UBC Global Policy Project

third-party policy review
public feedback action bundles

City surveys:
A - Feb – Mar 16
B - Mar 17 – May 25
961 responses, 1,239 responses
public feedback

game changers

City surveys:
A - Feb – Mar 16
B - Mar 17 – May 25
C - April

Sentis survey:
961 responses
1,239 responses
420 responses
Climate change continues to be the challenge of our time. The wildfire season is starting and the flood season has not yet ended. And as we meet all of these challenges we must recommit to putting CleanBC, our climate action plan, at the centre of our recovery.
climate emergency + COVID-19

investment adjustments

integrating climate action into economic stimulus + capital plan update

seeking cost efficiency wherever possible

likely short-term gap between project costs and $’s to invest
climate emergency + COVID-19

equity + timing adjustments

regulatory and pricing actions are still critical

placing a stronger focus on equity and training, and considering phased implementation
climate emergency + COVID-19

new challenges for Big Move 2

transit ridership is down + will likely remain down for some time

transport pricing implementation will be gradual
climate emergency + COVID-19

Big Move 2 road space reallocation near-term opportunities

enhanced slow streets
improved recreational cycling routes
supporting public life recovery
cycling facilities to fill network gaps
interim transit priority measures
climate emergency + COVID-19

Big Move 2
work-from-home opportunity

employers embracing a greater proportion of work from home

CEAP will have a ‘remote work’ action in Nov

near-term aim: employer ‘remote work’ commitments to reduce 20%+ of commute trips
<table>
<thead>
<tr>
<th>STATUS</th>
<th># ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPLETE</td>
<td>9</td>
</tr>
<tr>
<td>ON TRACK</td>
<td>30</td>
</tr>
<tr>
<td>DELAYED</td>
<td>14</td>
</tr>
<tr>
<td>TOTAL</td>
<td>53</td>
</tr>
</tbody>
</table>
accelerated actions BM2

R4 RapidBus

adds 1/3 capacity on second busiest bus corridor in region

offers 12km of priority lanes

launched in Jan 2020
EV infrastructure

6 new DC fast chargers (Q1 2020)

7 new level 2 chargers (Q3 2019 - Q2 2020)
accelerated actions

VBBL update

requires zero-emission space + water heating for new low-rise residential

reduces wasted energy from space heating

Increases alignment with provincial + federal policies + programs
mass timber construction

- enables buildings of up to 12 stories
- reduces construction-related carbon pollution by 25-45%
- improved energy efficiency + insulation effectiveness
<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Vancouver Plan Update</td>
<td>JUL 7</td>
<td>VPL COVID Community Response Plan</td>
</tr>
<tr>
<td>Council Report</td>
<td>SEP 29</td>
<td>Climate Emergency Response Accelerated Actions</td>
</tr>
<tr>
<td>Council Report</td>
<td>NOV 3</td>
<td>Climate Emergency Action Plan (CEAP)</td>
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<tr>
<td>Council Report</td>
<td>DEC</td>
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</table>
2019-2020 UPDATE
GREENEST CITY ACTION PLAN
# Greenest City Framework

<table>
<thead>
<tr>
<th>Zero Carbon</th>
<th>Green Buildings</th>
<th>Renewable Energy</th>
<th>Lighter Footprint</th>
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<tbody>
<tr>
<td></td>
<td>Green Transportation</td>
<td></td>
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<tr>
<td>Zero Waste</td>
<td>Zero Waste</td>
<td></td>
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<tr>
<td>Healthy Ecosystems</td>
<td>Access to Nature</td>
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<td></td>
<td>Clean Water</td>
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<td></td>
<td>Local Food</td>
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<tr>
<td></td>
<td>Clean Air</td>
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</tr>
</tbody>
</table>

- **3 high-level objectives**
- **10 goal areas**
waste to landfill/incinerator

-32%

ZERO WASTE
hectares restored/enhanced
+32ha

new trees planted
139,000

ACCESS TO NATURE
neighbourhood food assets

+51%

LOCAL FOOD
green jobs
+35%

GREEN ECONOMY
people engaged in Greenest City

39,900

LIGHTER FOOTPRINT
hectares restored/enhanced: +32 ha
food assets: +51%
waste to landfill/incinerator: -32%

SUCCESES

building carbon pollution: -9%
ecological footprint: -20%
clean air exceedances: 30

CHALLENGES
# TIMELINE GREENEST CITY

<table>
<thead>
<tr>
<th>JULY 2020</th>
<th>SUMMER 2021</th>
<th>SPRING 2022</th>
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</thead>
<tbody>
<tr>
<td><strong>COUNCIL UPDATE</strong></td>
<td><strong>COUNCIL UPDATE</strong></td>
<td><strong>VANCOUVER PLAN DEVELOPMENT</strong></td>
</tr>
<tr>
<td>Greenest City Action Plan</td>
<td>Greenest City Action Plan: 10 Years</td>
<td>to include City's next environmental plan</td>
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