

are you
prepared
to
LOSE
all of
this?

greenest city
climate
emergency



City Council
2020 07 07



vancouver plan + climate emergency

**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



context

**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

2019

-9%



context carbon pollution in Vancouver

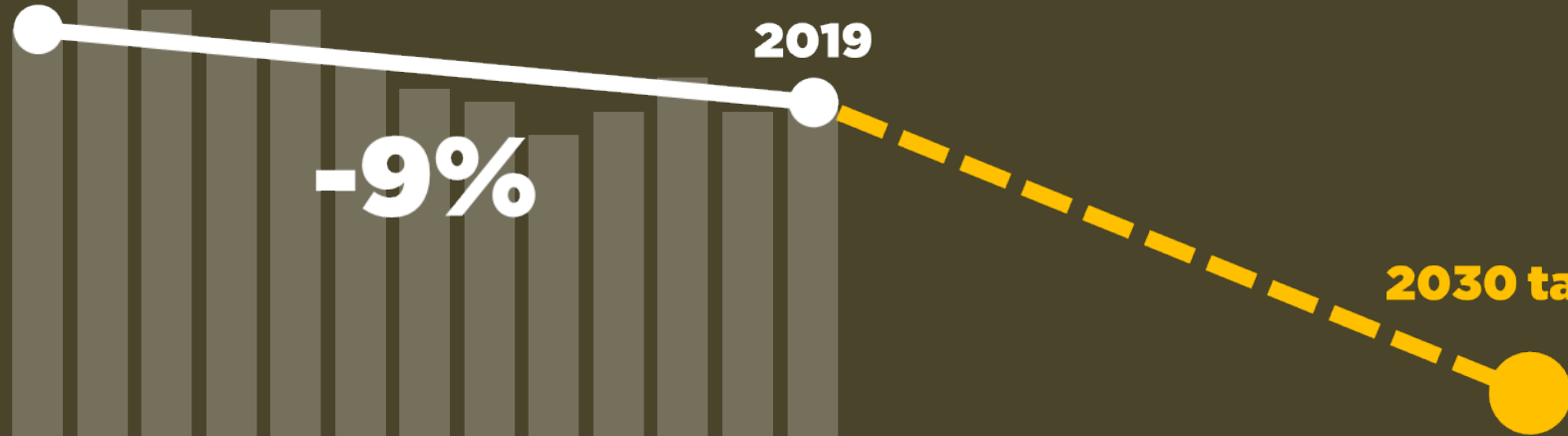
2007

2019

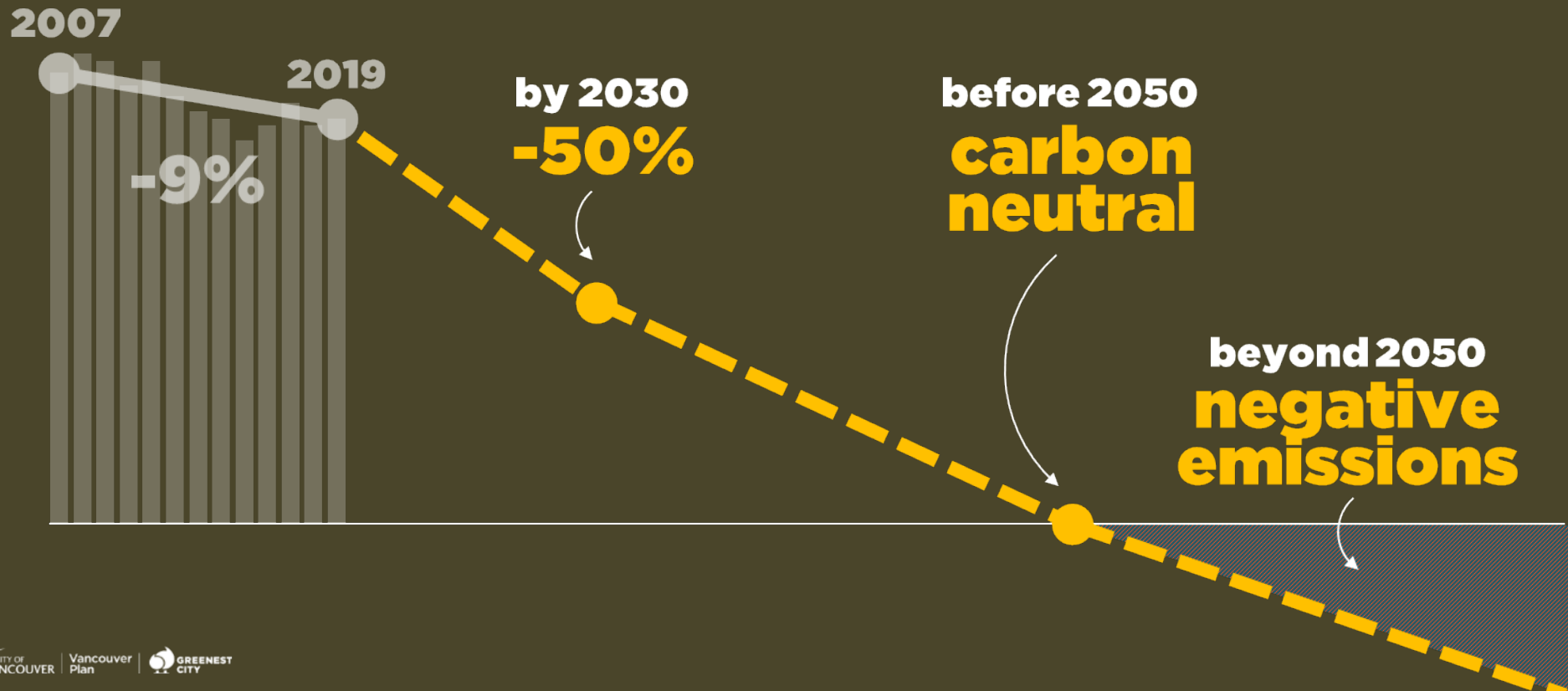
-9%

2030 target

-50%



context carbon pollution in Vancouver



**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.

2%



5%



56% 

climate emergency

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**

A detailed LEGO city street scene. In the foreground, a black and white bus is parked with a destination sign that says "3 Main". The side of the bus has the text "ZERO EMISSIONS - BATTERY ELECTRIC". To the left of the bus, a cyclist is riding a bicycle. Further left, a police officer in a dark uniform with "POLICE" on the back stands on the sidewalk. A sign on a pole reads "Zero Waste Grocer". In the background, there are other LEGO buildings and a car. The scene is lit with a warm, yellowish light.

engagement summary

**internal + external
stakeholders**

**representative
survey**

**intergovernmental
+ utilities**

outreach team

public

**climate + equity
working group**



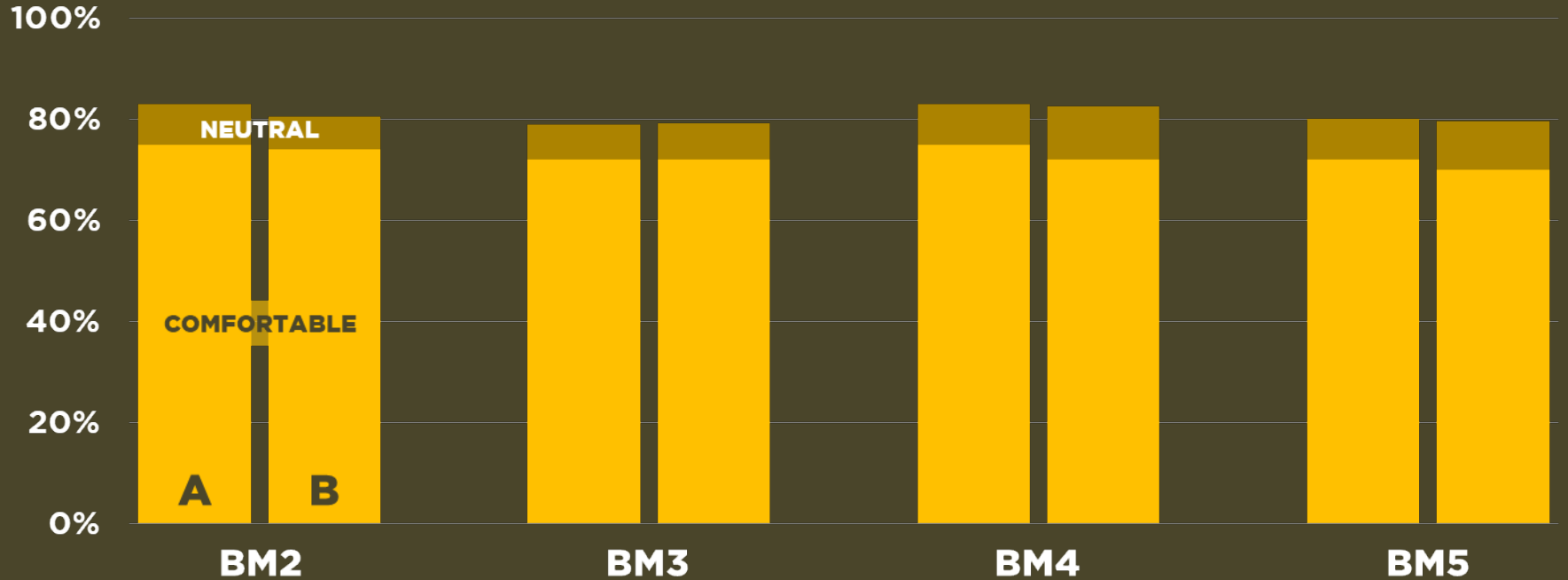
**climate
+ equity**

**climate + equity
working group**

**UBC Global
Policy Project**

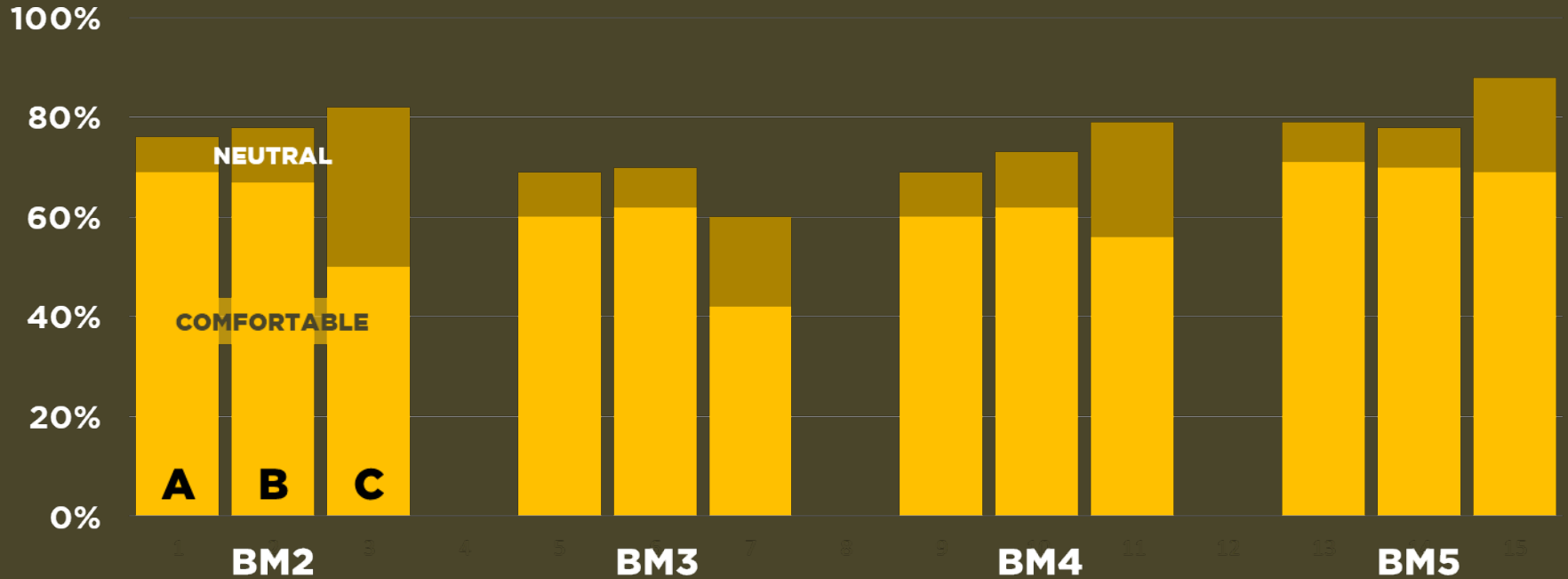
**third-party
policy review**

public feedback action bundles



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

public feedback game changers



City surveys: **A** - Feb - Mar 16 961 responses
B - Mar 17 - May 25 1,239 responses
 Sentis survey: **C** - April 420 responses

climate emergency + COVID-19

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

Premier Horgan

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**

accelerated actions status

STATUS	# ACTIONS
COMPLETE	9
ON TRACK	30
DELAYED	14
TOTAL	53



**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

Need help? 1-888-758-4389

accelerated actions BM3

EV infrastructure

**6 new DC fast chargers
(Q1 2020)**

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

point+



accelerated actions BM4

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**



accelerated actions BM5

**mass timber construction
enables buildings of up to 12 stories
reduces construction-related
carbon pollution by 25-45%
improved energy efficiency
+ insulation effectiveness**

CEAP timeline

VANCOUVER PLAN

Vancouver Plan
Update

Vancouver Plan:
COVID Community
Response Plan

COUNCIL REPORT

COUNCIL REPORT

JUL 7

SEP 29

NOV 3

DEC

CLIMATE EMERGENCY

COUNCIL UPDATE

COUNCIL REPORT

Climate Emergency
Response
Accelerated Actions

Climate Emergency
Action Plan (CEAP)



2019-2020 UPDATE
**GREENEST CITY
ACTION PLAN**

GREENEST CITY FRAMEWORK

ZERO CARBON	Green Buildings	Climate & Renewables	Green Economy	Lighter Footprint
	Green Transportation			
ZERO WASTE	Zero Waste			
HEALTHY ECOSYSTEMS	Access to Nature			
	Clean Water			
	Local Food			
	Clean Air			

3 high-level objectives

10 goal areas

waste to
landfill/incinerator

-32%

**ZERO
WASTE**

**LOVE
FOOD**
hatewaste
CANADA

hectares
restored/enhanced

+32ha

new trees planted

139,000

**ACCESS
TO
NATURE**

per-capita
potable water use

-23%

**CLEAN
WATER**

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%

SUCCESSSES

building
carbon
pollution

-9%

ecological
footprint

-20%

clean air
exceedances

30

CHALLENGES



TIMELINE GREENEST CITY

JULY 2020

**COUNCIL
UPDATE**

**Greenest City
Action Plan**

SUMMER 2021

**COUNCIL
UPDATE**

**Greenest City
Action Plan:
10 Years**

SPRING 2022

**VANCOUVER PLAN
DEVELOPMENT**

**to include
City's next
environmental plan**



QUESTIONS