



GREENEST CITY FRAMEWORK

Green Buildings **ZERO CARBON Green Transportation** _ighter Footprint ZERO Zero Waste WASTE Access to Nature Clean Water **HEALTHY ECOSYSTEMS** Local Food Clean Air

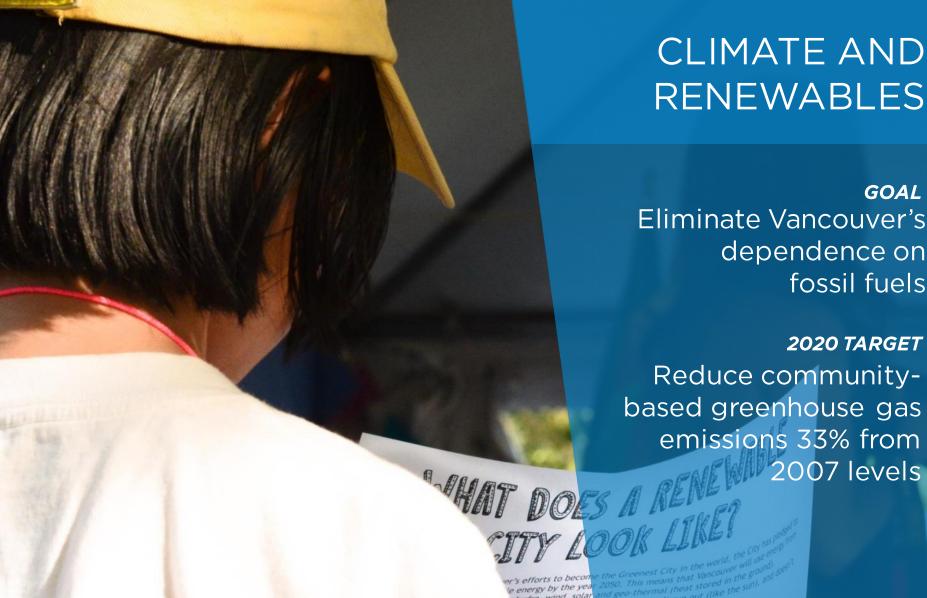
3 high-level objectives

10 goal areas



RESULTS TO DATE

ZERO CARBON	Green Buildings		
	Green Transportation	Clim Renev	
	Zero Waste	mate & ewables	
HEALTHY ECOSYSTEMS	Access to Nature		
	Clean Water		
	Local Food		
	Clean Air		



CLIMATE AND RENEWABLES

GOAL Eliminate Vancouver's dependence on fossil fuels

2020 TARGET

Reduce communitybased greenhouse gas emissions 33% from

Y LOOK LIKE

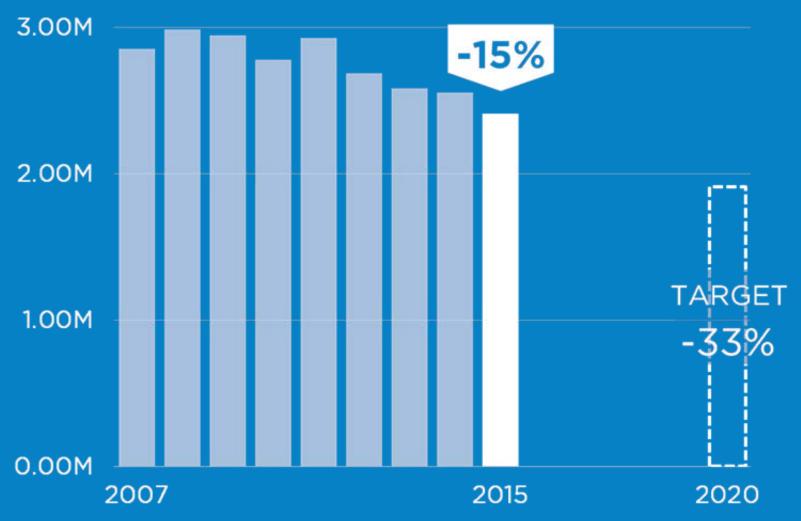
wable if it occurs i

shows what you think Vancouver will look like ur school, your f



Community GHG emissions

2015: 2,410,000 tCO₂e







REPORTED 2014 **RESULT** -7%









natural gas use decline

-3%

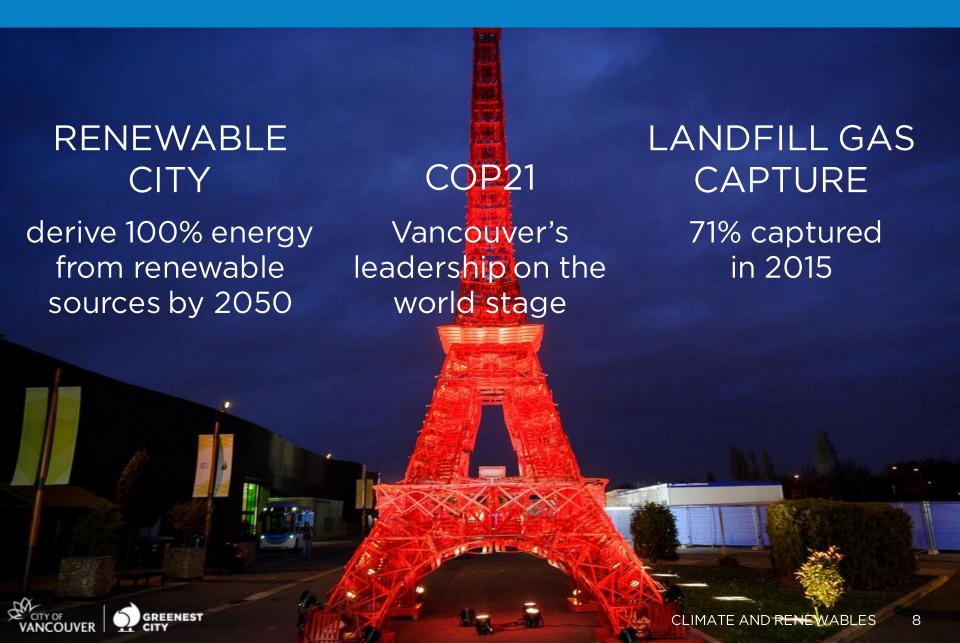


CHANGES IN COMMUNITY EMISSIONS

Between 2014-2015, decline in usage led to a decrease in emissions. Also, refinements in landfill calculation methods showed more accurate emissions reductions.









GREEN BUILDINGS

GOAL

Lead the world in green building design and construction

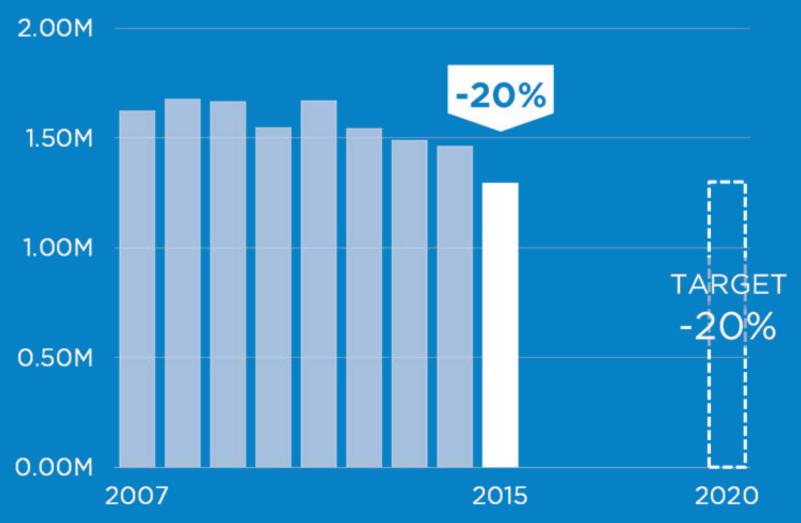
2020 TARGETS

Require all buildings constructed from 2020 to be carbon neutral in operations

Reduce energy use and greenhouse gas emissions in existing buildings by 20% over 2007 levels

Community building GHG emissions

2015: 1,295,000 tCO₂e







2014 RESULT -5%



including industrials

-2%

natural gas use decline

CHANGES IN BUILDING EMISSIONS

Between 2014-2015, decline in usage led to a decrease in emissions.

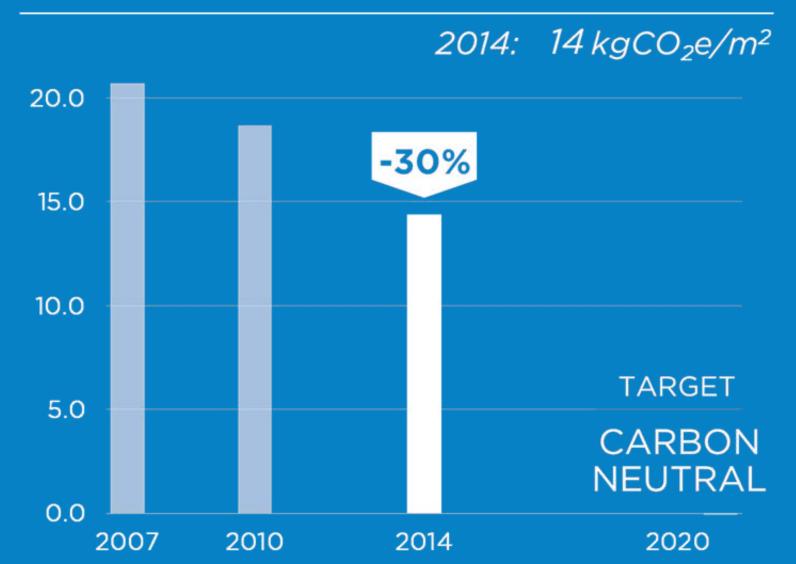
-10%

2015 RESULT -20%



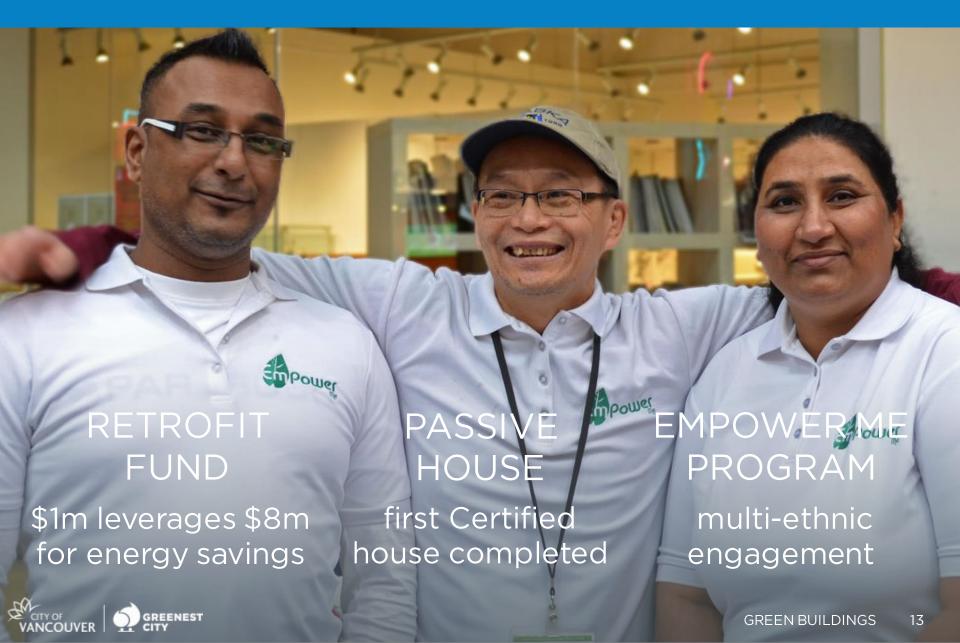


Carbon intensity of buildings: GHG emissions of newly built floor area





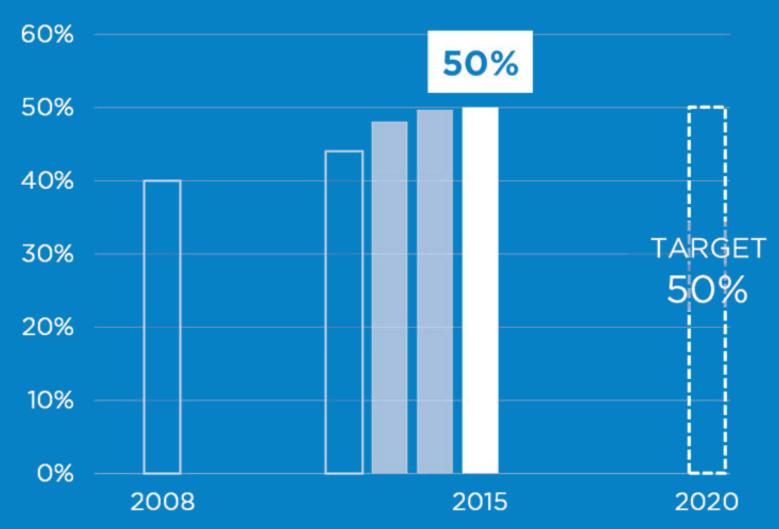






% mode share by walk, bike, and transit



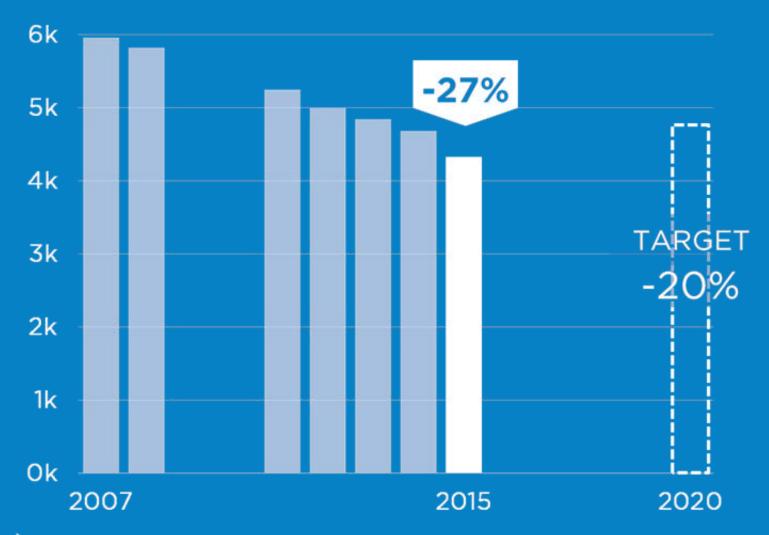






Annual vehicle kilometres driven per person (VKT)

2015: 4,319 km





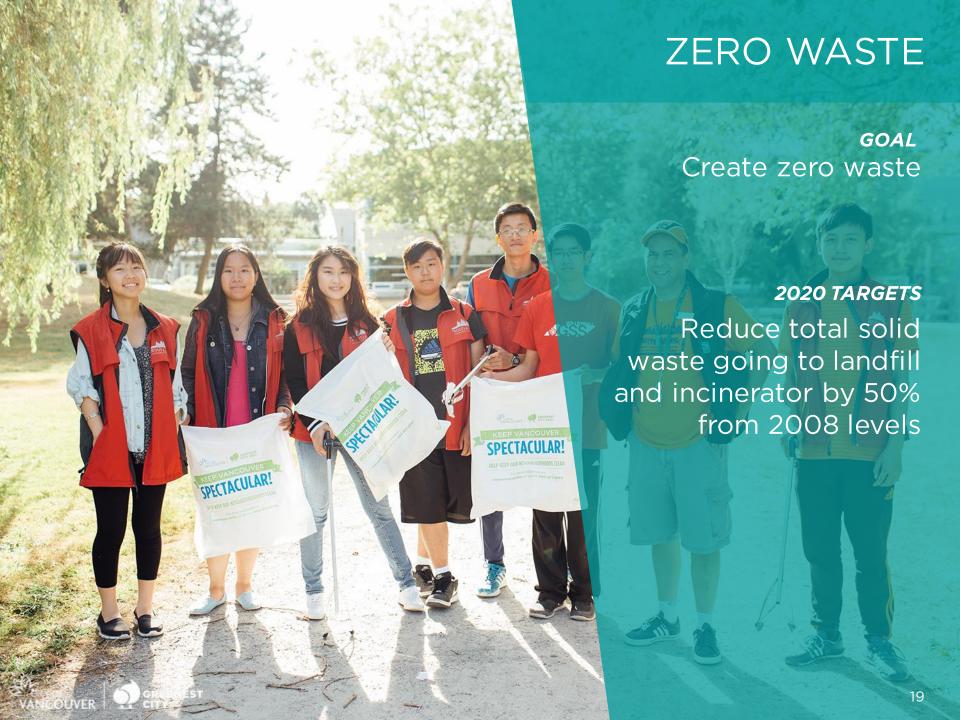




RESULTS TO DATE

	Green Buildings		
	Green Transportation		
ZERO WASTE	Zero Waste		
HEALTHY ECOSYSTEMS	Access to Nature		
	Clean Water		
	Local Food		
	Clean Air		





Solid waste disposed to landfill and incinerator









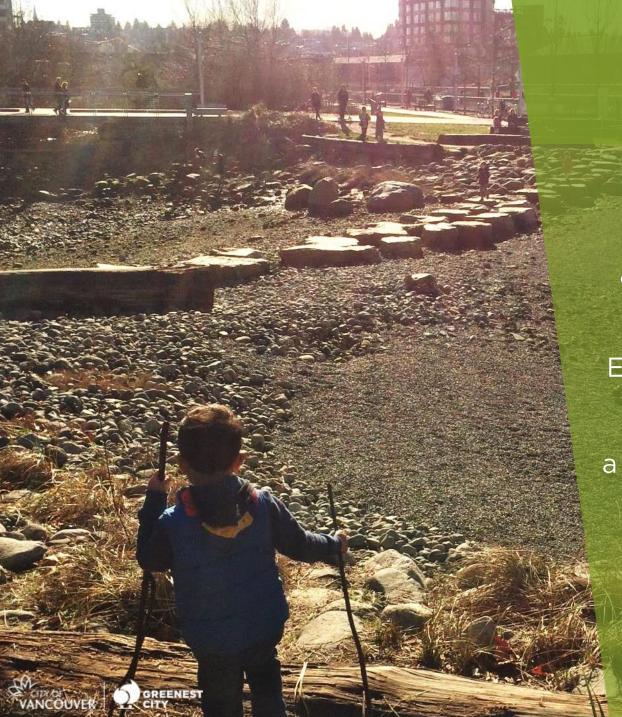




RESULTS TO DATE

Green Buildings **Green Transportation** Zero Waste Access to Nature Clean Water **HEALTHY ECOSYSTEMS** Local Food Clean Air





ACCESS TO NATURE

GOAL

Vancouver residents enjoy incomparable access to green spaces

2020 TARGETS

Ensure every Vancouver resident lives within a five-minute walk of a park, beach, greenway or other natural space

Plant 150,000 additional trees in the city between 2010 and 2020

Additional trees planted

2015: 48,900 trees







Hectares of natural space restored or enhanced



20

NEW TARGET: BIODIVERSITY

0 —

2010

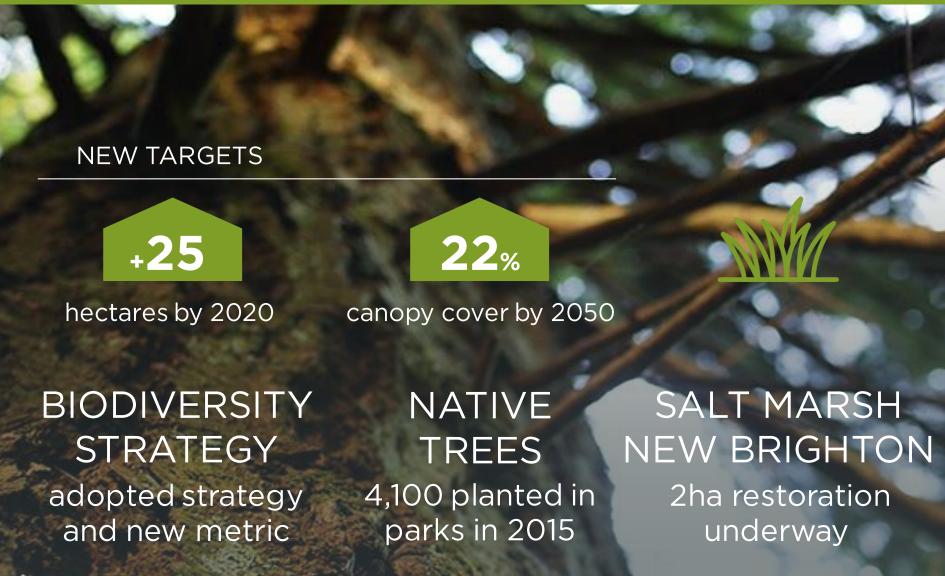




Land area covered by tree leaf canopies

2013: 18% 25% 18% 20% 15% TARGET 22% **2050 TARGET:** TREE CANOPY 0% (2017)2013 2050









CLEAN WATER

Vancouver will have the best drinking water of any city in the world

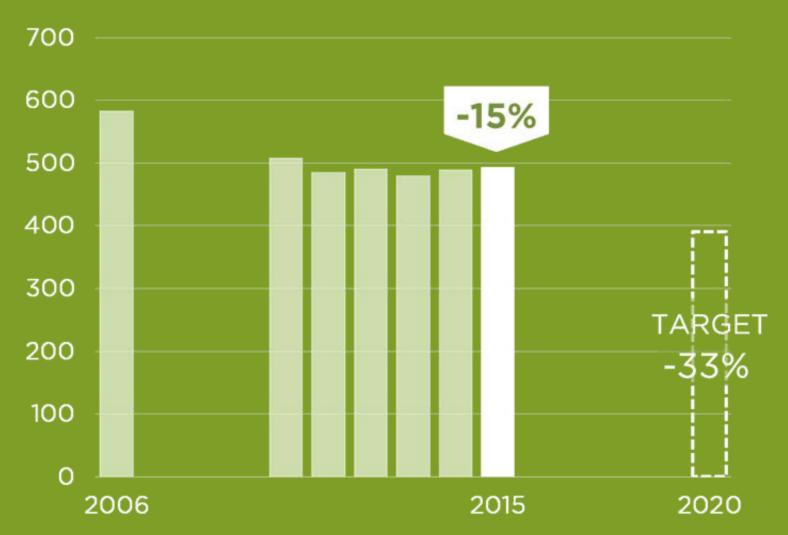
2020 TARGETS

Meet or beat the strongest of BC, Canadian and international drinking water quality standards and guidelines

Reduce per capita water consumption by 33% over 2006 levels

Water consumption per person

2015: 493 L/person/year







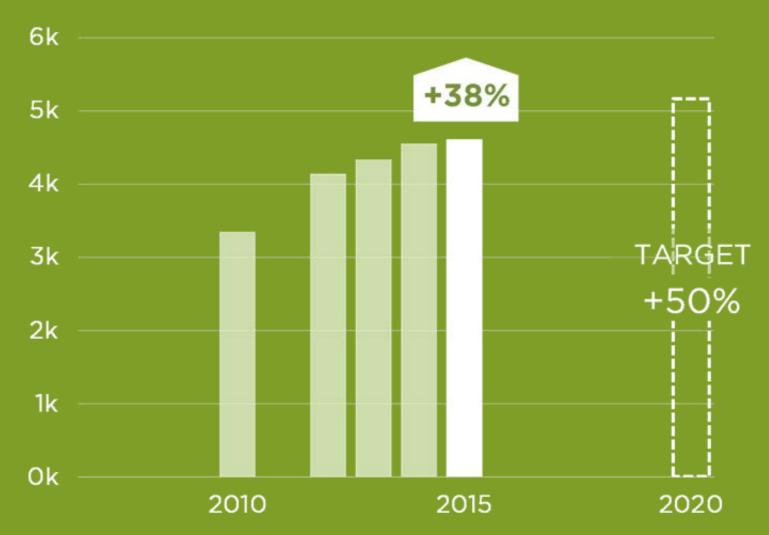








2015: 4,612 food assets





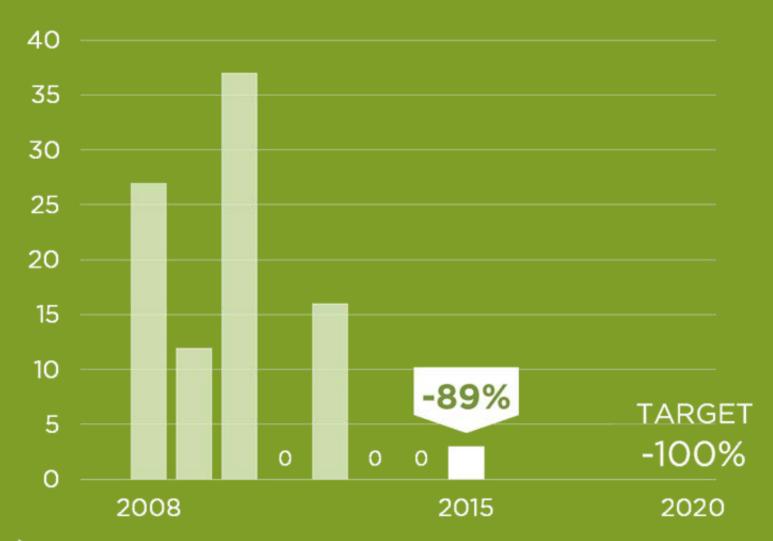






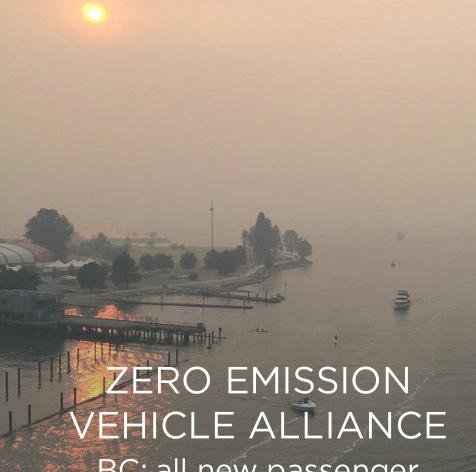
Air quality exceedences

2015: 3 instances









BC: all new passenger vehicles ZEVs by 2050



previous three-year funding ran out in 10 months



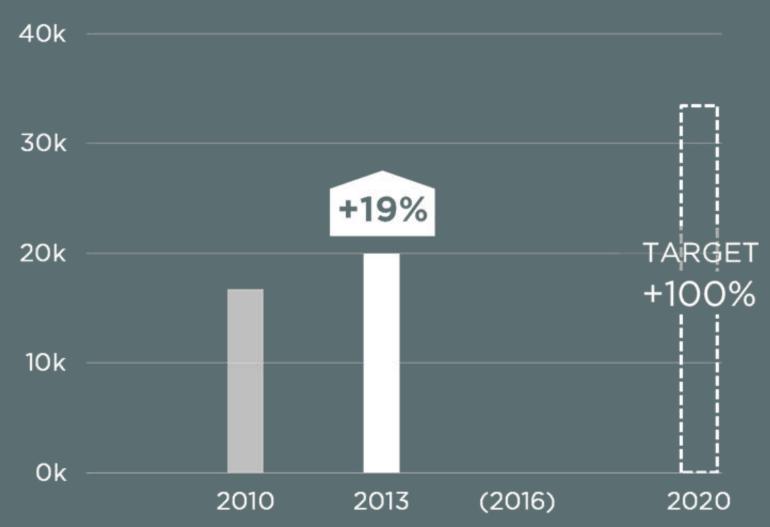
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ZERO CARBON	Green Buildings			
	Green Transportation			
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HEALTHY ECOSYSTEMS	Access to Nature		conomy	ootprin
	Clean Water		my	
	Local Food			† †
	Clean Air			



Green jobs

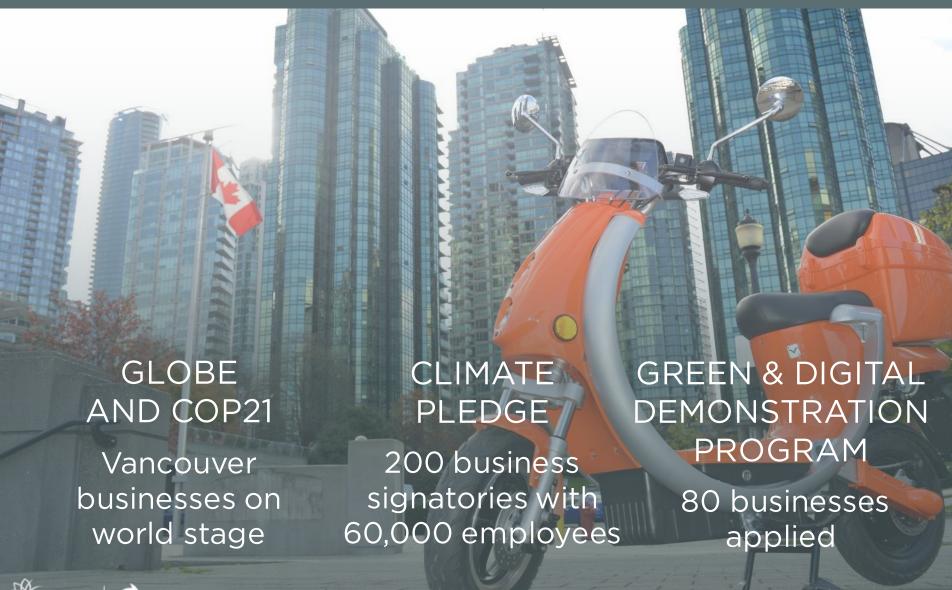
2013: 19,900 jobs







HIGHLIGHTS



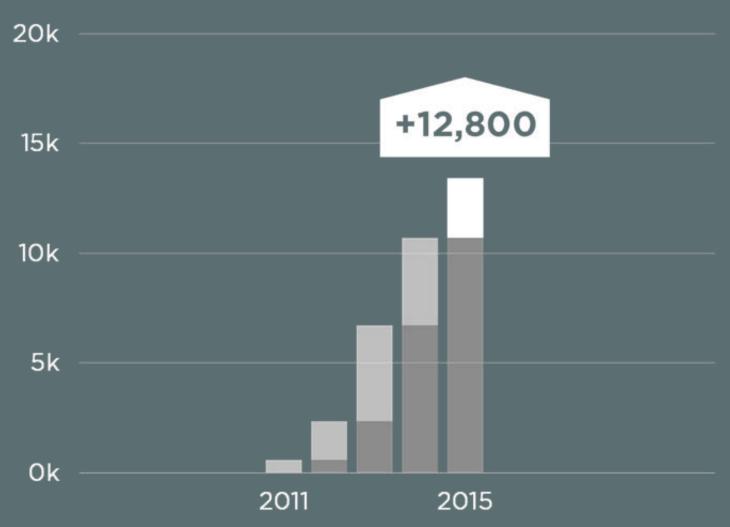






People empowered to support Greenest City







HIGHLIGHTS



YIMBY, Summit The City

\$2M over 4 years; Build-a-Bicyclist, Pollinators & People **BRIGHT GREEN** SUMMER

13,000 people engaged







GREEN OPERATIONS

2020 TARGETS

50% reduction in GHGs from City operations from 2007 levels

70% waste diversion in public-facing City facilities; 90% in all other City-owned facilities

Reduce water use in City operations by 33% from 2006 levels

HIGHLIGHTS

GREEN **OPERATIONS** METRICS



.19%

67%

84%

GHGs

water use

publicfacing

other City-owned

waste diversion

LIBRARY SQUARE WATER USE

steam condensate heat recovery

BUILDING **ENERGY**

31 largest facilities cut GHGs 10%, annual costs \$500k GREENEST CITY POLICE DEPT

rooftop bee hives; 529 Garage





VANDUSEN VISITOR CENTRE



GREENEST CITY SUCCESSES

2020 targets achieved

50%

.27%

.20%

.15%

.23%

+19%

mode share vehicle km driven per capita building GHGs GHGs

waste to landfill and incinerator

green jobs

C40 Cities Awards

Carbon Measurement and Planning 2015

Earth Hour City Challenge:

Canadian Capital 2015

Continuing areas of focus:

accelerating GHG reductions reducing water consumption greening businesses





