



BALANCING DEVELOPMENT & URBAN SUSTAINABILITY IN VANCOUVER, CANADA

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May 28, 2013



If you drive north from Mexico on the I5, this stoplight, at Vancouver's city limit, is the first you'll encounter.



Courtesy of the VEC

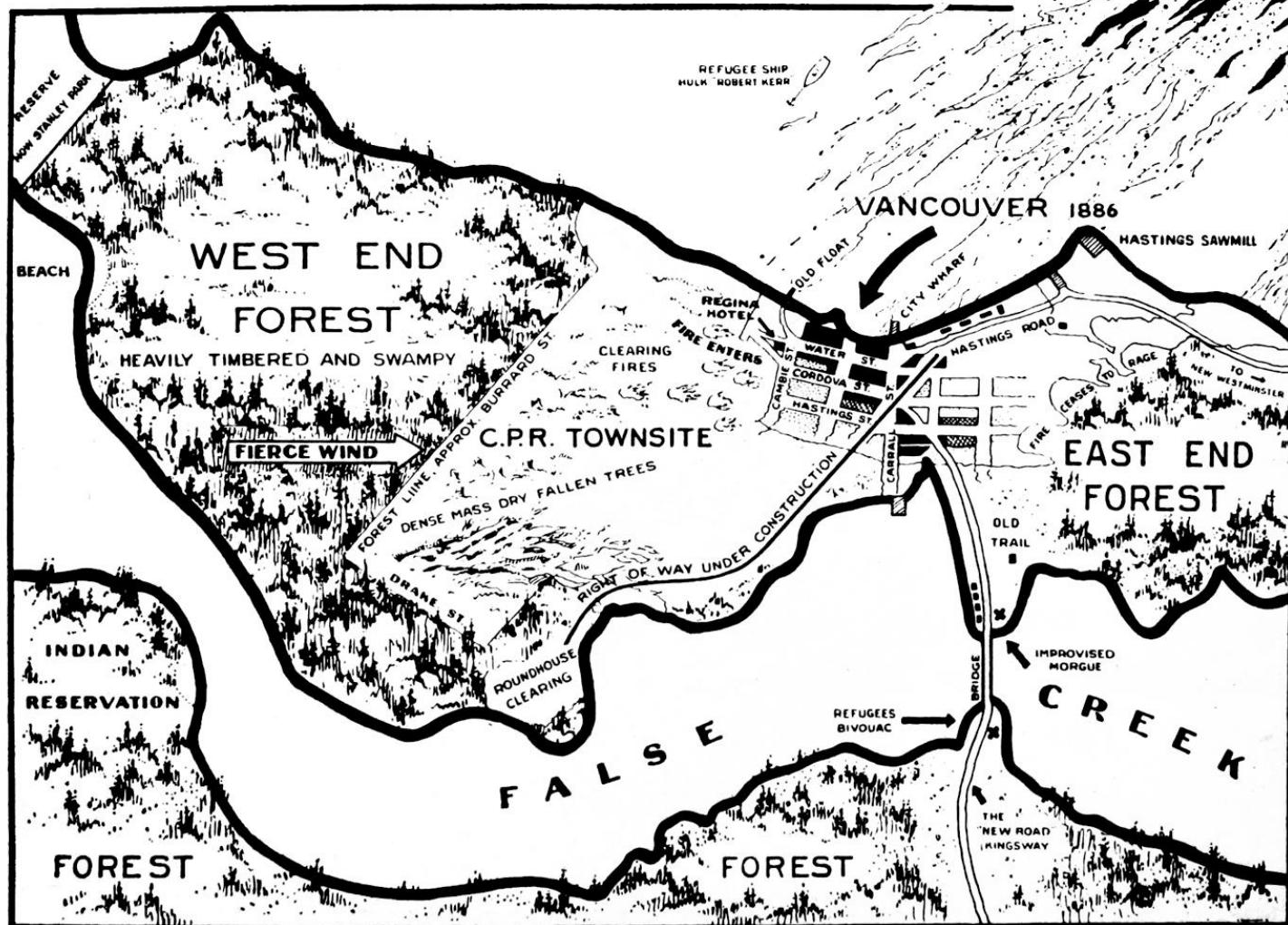




Photo: Public Domain

DRIVING THE LAST SPIKE NOV. 7-1885

The Great Vancouver FIRE



This map, from a sketch by Major J. S. Matthews, City Archivist, shows the Vancouver of 1886, and the course of the Fire which wiped out the little settlement.



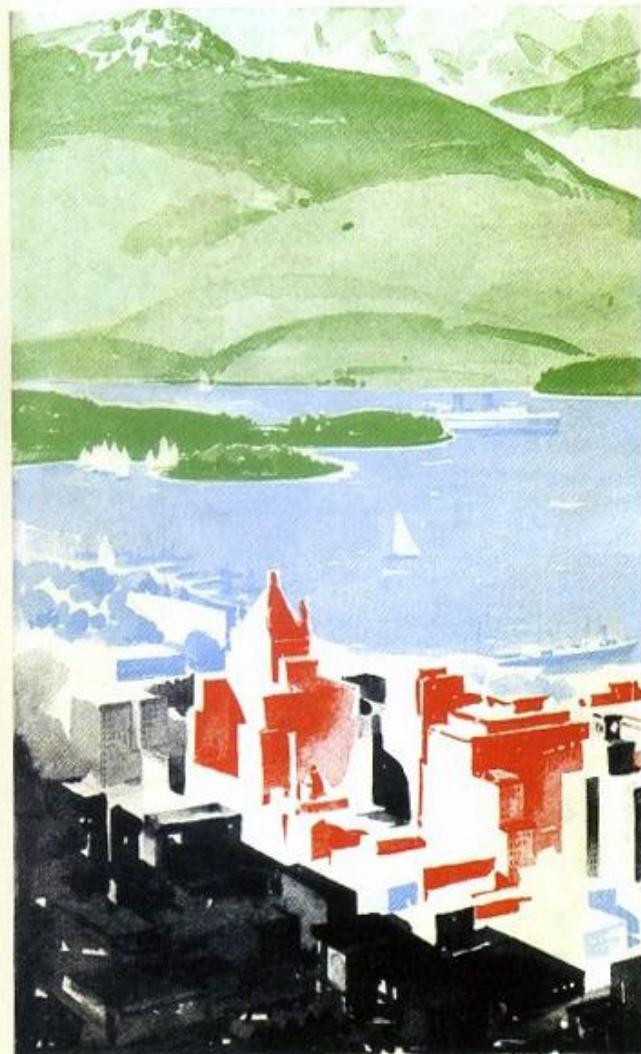
City of Vancouver Archives, LGN 1045, Harry T. Devine



Photograph by Robert Keziere

CANADA'S
EVERGREEN
PLAYGROUND

VANCOUVER BRITISH
COLUMBIA

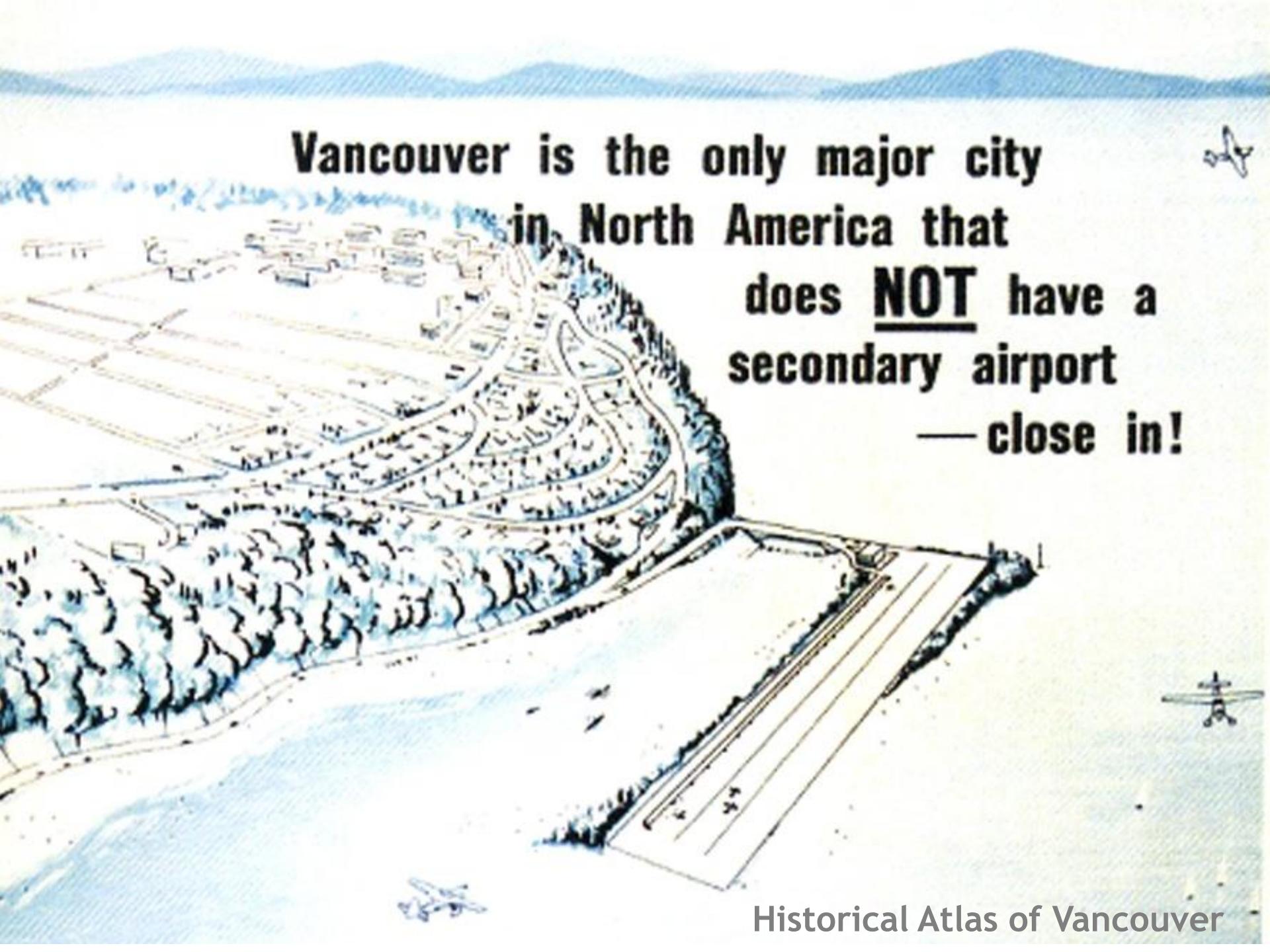


CANADA'S EVERGREEN PLAYGROUND

Historical Atlas of
Vancouver



Photograph by Sean Lande



**Vancouver is the only major city
in North America that
does NOT have a
secondary airport
— close in!**

Jericho Beach: Then...



Jericho Beach: Now.



South East False Creek: Then...



South East False Creek: Then...



City of Vancouver Archives, CVA 195-14, W.J. Moore

South East False Creek: Then...



South East False Creek: Now.



GREENEST
CITY 2020

South East False Creek: Now.



GREENEST
CITY 2020

South East False Creek: Now.



GREENEST
CITY 2020

South East False Creek: Now.



GREENEST
CITY 2020

South East False Creek: Now.



Coal Harbour: Proposed...



Coal Harbour: Now.



Coal Harbour: Now.



Coal Harbour: Now.



Greenest City 2020 Action Plan

ZERO CARBON



ZERO WASTE



HEALTHY ECOSYSTEMS



Greenest City Timeline



Photo: Kurtis Stewart 2011

Greenest City 2020 Action Plan Framework



BUILDING A THRIVING: GREEN ECONOMY



GOAL: Secure Vancouver's international reputation as a mecca of green enterprise

2020 targets:

- 1) Double the number of green jobs in the City by 2020, over 2010 levels.
- 2) Double the number of companies that are actively engaged in greening their operations over 2011 levels by 2020.

TOWARD ZERO CARBON THROUGH: CLIMATE LEADERSHIP



GOAL: Eliminate Vancouver's dependence on fossil fuels

2020 target:
Reduce community based greenhouse gas emissions 33 per cent from 2007 levels.

TOWARD ZERO CARBON THROUGH: GREEN BUILDINGS



GOAL: Lead the world in green building design and construction

2020 targets:

- 1) Require all buildings constructed from 2020 onward to be carbon neutral in operations.
- 2) Reduce energy use and greenhouse gas emissions in existing buildings by 20% over 2007 levels.

TOWARD ZERO CARBON THROUGH: GREEN TRANSPORTATION



GOAL: Make walking, cycling, and public transit preferred transportation options

2020 targets:

- 1) Make the majority of trips (over 50%) on foot, bicycle, and public transit.
- 2) Reduce distance driven per resident by 20% from 2007 levels.

TOWARD ZERO WASTE



LIVE
GARBAGE IS
COMPOST

GOAL: Create zero waste

2020 target:

Reduce total solid waste going to landfill or incinerator by 50% from 2008 levels.

SUPPORTING HEALTHY ECOSYSTEMS THROUGH: ACCESS TO NATURE

A scenic view of a forested mountain range with low-hanging clouds, a city skyline in the background, and a boat on the water in the foreground.

GOAL: Provide incomparable access to green spaces

2020 targets:

- 1) Ensure that every Vancouver resident lives within a five-minute walk of a park, beach, greenway or other natural space.
- 2) Plant 150,000 additional trees in the city between 2010 and 2020.

SUPPORTING HEALTHY ECOSYSTEMS THROUGH: LOCAL FOOD

A close-up photograph of a wooden basket overflowing with a variety of fresh vegetables. The basket contains several red and green bell peppers, a large purple eggplant, a small red tomato, and some green beans. The vegetables are vibrant and appear to be freshly harvested, with some water droplets visible on the eggplant and bell peppers.

GOAL: Become a global leader in urban food systems

2020 target:
Increase city and neighbourhood food assets by a minimum of 50% over 2010 levels.

SUPPORTING HEALTHY ECOSYSTEMS THROUGH: CLEAN WATER



GOAL: Enjoy the best drinking water of any major city in the world

2020 targets:

- 1) Meet or beat the strongest of BC, Canadian and international drinking water quality standards and guidelines.
- 2) Reduce per capita water consumption by 33% over 2006 levels.

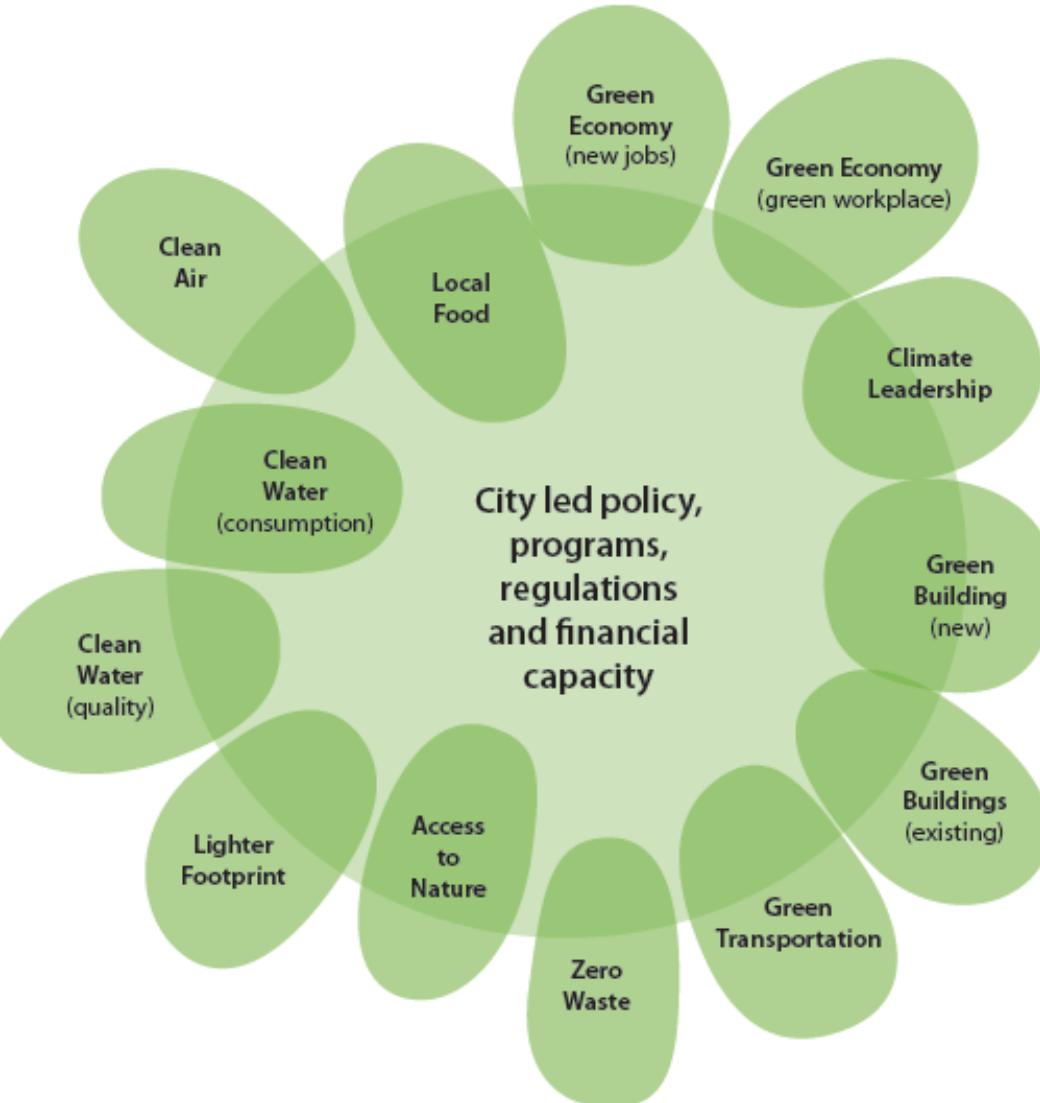
SUPPORTING HEALTHY ECOSYSTEMS THROUGH: CLEAN AIR



GOAL: Breathe the cleanest air of any major city in the world

2020 target:
Meet or beat the most stringent of BC, Canadian and international air quality standards and guidelines.

City jurisdiction over Greenest City goals



The Greenest City goals will only be achieved through partnerships.

BUILDING THE GREENEST CITY THROUGH: CIVIC INFRASTRUCTURE



GREENEST
CITY 2020

EV Charging Stations.





Separated Bike Lanes.

Drinking Water Stations.



VANCOUVER'S NEW GREEN BIN PROGRAM

FOOD SCRAPS RECYCLING COMING SOON
TO EVERY SINGLE-FAMILY HOME & DUPLEX



SPREAD THE WORD:
vancouver.ca/greenbin

ONLINE NOW
STUNNING VIEWS
IN WEST VAN



THE VANCOUVER SUN



ONLINE NOW
PHOTOS: UFOS
ABOVE
VANCOUVER?

NEWS OPINION BUSINESS SPORTS ENTERTAINMENT LIFE HEALTH TECHNOLOGY TRAVEL JOBS DRIVING HOMES CLASSIFIEDS

Vancouver energy-efficiency program bombs

Residents cite high-interest rates, long borrowing terms as reasons for not signing on

BY JEFF LEE, VANCOUVER SUN FEBRUARY 21, 2013

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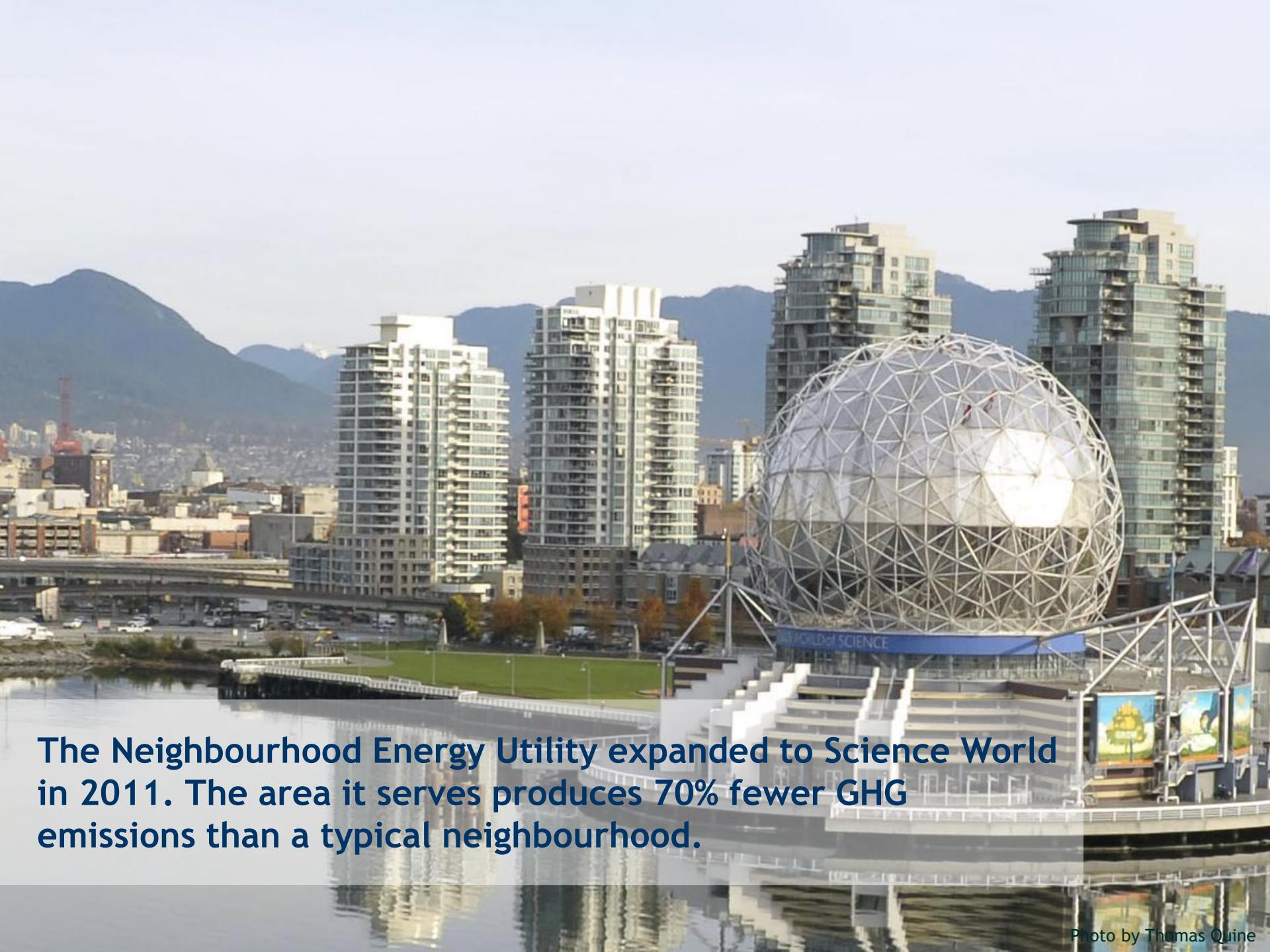
IN OTHER NEWS

BUILDING THE GREENEST CITY BY: ENGAGING BUSINESS





Southeast False Creek Neighbourhood Energy Utility
saved 2,300 tonnes of GHG emissions in 2012.



The Neighbourhood Energy Utility expanded to Science World in 2011. The area it serves produces 70% fewer GHG emissions than a typical neighbourhood.

Local Garden.





Local Garden.

Always

LOCAL GARDEN

Vancouver Special Blend

A delicious assortment of locally grown fresh baby greens adds simple but elegant touch to your meal. Celebrate the fresh taste of the season.

Maxim Power.



The Vancouver Landfill Gas Project captured 354,500 tonnes of GHG in 2012. This is equivalent to the emissions produced by 70,900 cars. The facility continues to be upgraded & expanded.



Car2Go.

BUILDING THE GREENEST CITY BY: ENGAGING DEVELOPERS



TOWARD ZERO CARBON THROUGH:
GREEN BUILDINGS



46% increase in LEED developments
in Vancouver since 2008.

The LEED Platinum Vancouver Olympic Village includes Canada's first Net Zero building.



TOWARD ZERO CARBON THROUGH:
GREEN BUILDINGS

BUILDING THE GREENEST CITY BY: SUPPORTING SOCIAL ENTERPRISE



Sole Food Farm.



Photo: Colleen Kimmett

Deconstruction.



Recycling Hub.

United We Can

馬氏公所
BENEVOLENT SOCIETY



BUILDING THE GREENEST CITY BY: ENGAGING ACADEMIA





Greenest City Scholars.

City Studio.





**BUILDING THE GREENEST CITY BY:
ACTIVATING COMMUNITY**



\$2M Greenest City Fund.

SHIFT.

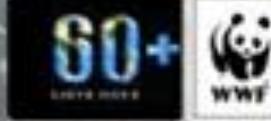




VANCOUVER
CROWNED
EARTH HOUR
CAPITAL 2013

RANDOM CITY CHALLENGE

PEOPLE'S CHOICE





W 70th Ave



Courtesy of the VEC



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