# Project Greenlight



Accelerating Smart and Sustainable Transformation

Latest Trends in Smart City and Energy-related Initiatives 2022 Speaker: John McPherson

In partnership with:

Nomura Research Institute Singapore + Ministry of Economy, Trade and Industry



## **Overview**

#### Section 1: Who Are We

- City of Vancouver's Green Journey
- Vancouver Economic Commission

#### Section 2: What Is Project Greenlight

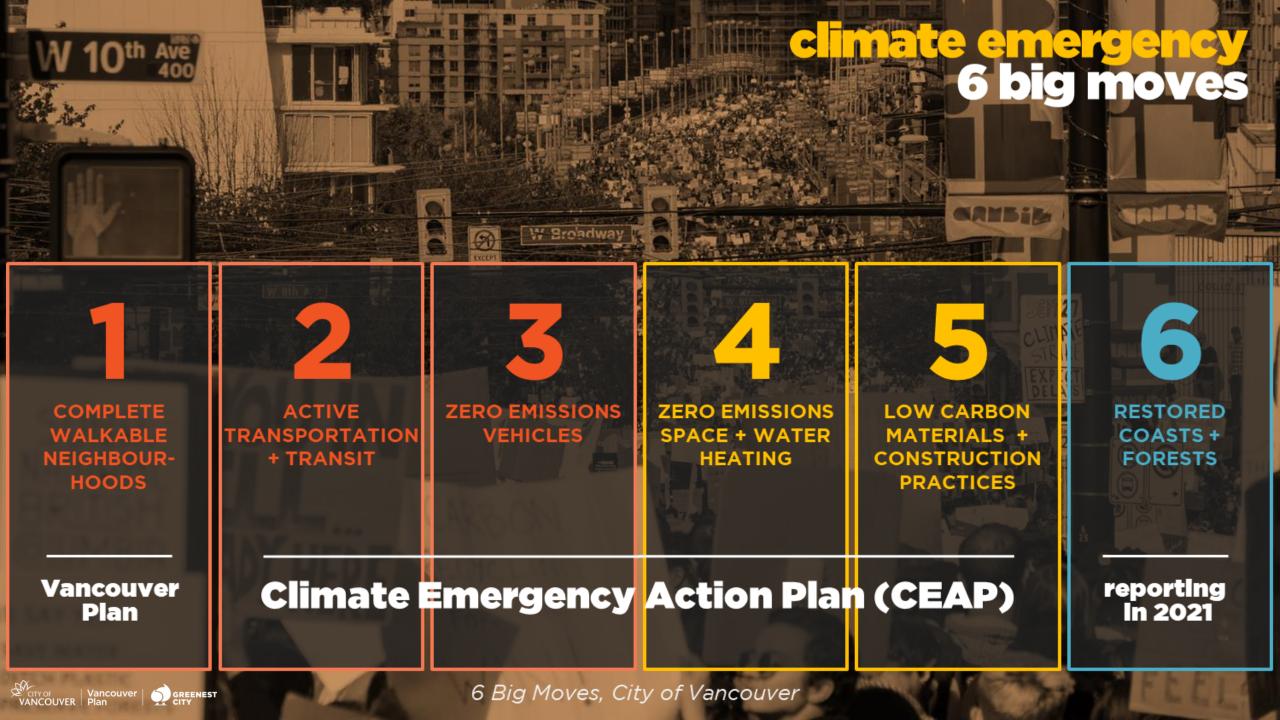
- Our Platform
- Our Focus
- Our Member
- Our Approach

#### Section 3: Vancouver Opportunities

- Challenge Examples
- How to Apply
- Contact Us

# **Our Greenest City Journey**





#### **HOW WE MOVE** By 2030, we're aiming for: • 90% of people living within an easy walk or roll of their daily needs · Two-thirds of trips in Vancouver to be by active transportation and transit • 50% of the km driven on Vancouver's roads to be by zero emissions vehicles We need to move around the city differently. We need to get people and goods around Vancouver in a climate-friendly way. transportation pricing in the Eliminate minimums + introduce maximums metro core for parking in new developments **Expand the** public charging Encourage more walking, biking + transit use Improve bus speed + reliability Expand + improve walking/rolling + biking network Exceed walkable neighbourhoods target in current planning initiatives Consider new Implement carbon pollution actions through surcharge on residential Vancouver Plan to support walkable. parking permits neighbourhoods Implement **Increase** Support electric vehicle residential electric vehicle parking charging on charging permits private property Promote remote + flexible for passenger city-wide work options





### **Our Purpose**

The Vancouver Economic Commission's (VEC) purpose is to contribute to building a prosperous, inclusive, zero carbon and resilient local economy, competitively positioned in the global market.

#### Our Pledges to Vancouver

Local Focus, Local support Prioritizing
Climate Action

Meaningful Reconciliation

Prosperity For All



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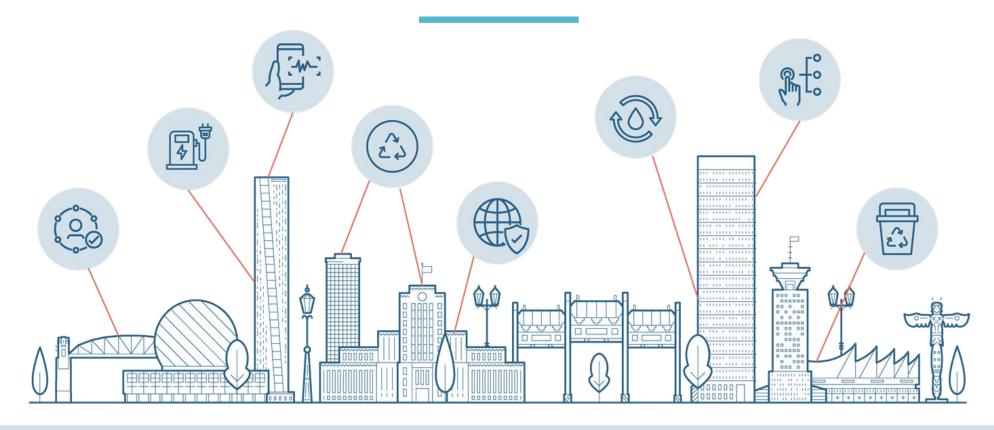
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- Example

Section 3: Vancouver Opportunities

## **Our Focus**



# Region as a platform for Innovation



Project Greenlight













Metro Vancouver's biggest enterprises



# Neighborhood Energy Utility (NEU) Challenge

- City of Vancouver launched the NEU challenge to help reach it's 100% renewable target.
- Seeking new tech for low-carbon heat production, demand side management, operational efficiencies.
- 14 Companies applied → Member shortlist: Jan.19<sup>th</sup>
   → Winner selected: March 2022.



## **Overview**

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#### Section 3: Vancouver Opportunities

- Innovation Challenges
- How to Apply
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Fleet, Waste, and Buildings Challenge

- City of Vancouver launched the Open Call challenge to reduce carbon pollution and fight climate change.
- Seeking new tech for solutions in the areas of transportation, energy, zerowaste, and buildings and digital infrastructure.
- Currently open for applications, submit at any time



Zero Waste Demonstration Site In support of Zero-waste 2040

**Goal:** transform a former recycling receiving yard into an industrial-sized incubator and demonstration space to:

- Enable zero waste and clean technology companies to commercialize (e.g. gain partners, investment, customers)
- Increase green jobs
- Establish technologies that could be scaled up for City operations
- Reduce waste to landfill and incinerator



Buildings, Energy and Transportation Challenge

#### **Buildings:**

- Combined heating/cooling systems that work at an apartment-unit scale (heat pumps etc.)
- Building control systems
- Low embodied carbon insulation products (strawbale insulation etc.)
- Indoor air quality systems (high-quality HEPA set-ups).



Buildings, Energy and Transportation Challenge

#### Energy

- Small-scale battery systems for buildings
- Demand-side management technologies / control systems.

#### Transportation

- ZEV medium and heavy-duty vehicles especially Cube vans, cherry pickers, garbage trucks, etc.
- Any electrified cycling systems e.g. cargo bikes

## How to Apply



1. Create an innovator account



2. Complete company profile



3. Submit online application





4. Engage with organization



5. Pitch your solution to the organization



6. Refine and enhance your proposal



7. Execute and deploy solution

# www.projectgreenlight.io

## **Contact Us**



#### Contact us to learn more:

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www.projectgreenlight.io

# Dip into a rich innovation ecosystem to solve your toughest challenges

