

Community Energy & Emissions Plan

PHASE 2 STAKEHOLDER & PUBLIC ENGAGEMENT SUMMARY

JULY 2018



2050

COMMUNITY ENERGY
& EMISSIONS PLAN



1. Introduction

The District of North Vancouver is developing a Community Energy and Emissions Plan (CEEP) to help reduce carbon emissions and become a more energy efficient community.

In February 2018, we met with members of the public and key stakeholder organizations to discuss the plan and help generate ideas. This summary explains how these ideas have shaped the actions that will be included in the CEEP.

We've also highlighted the key strategies that will help the District meet our climate targets. In addition to meeting energy use and emission reduction goals, the actions that the DNV is exploring also support the achievement of the District's goals to improve the health and well-being of its residents. These co-benefits have been identified using Happy City's Urban Happiness framework, which draws on leading research in the field of health and wellbeing to help local governments create urban environments that foster happier, healthier, more fulfilling lives for their communities.





The framework consists of eight core elements, each of which are defined below.



Joy

Maximize the pleasure and minimize the pain of urban experience.



Health

Enable, encourage, and reward healthy choices and active mobility.



Equity

Offer access and opportunity across the spectrum of human diversity.



Ease

Help the people who use or move through spaces experience a greater sense of control, comfort, and agency.



Resilience

Encourage the ecological, economic, and cultural diversities that help communities and ecosystems stay strong over the long term.



Meaning

Support community efforts to build lives of collective higher purpose.



Belonging

Instil people with a greater sense of attachment, ownership, and pride of place



Sociability

Promote positive relationships, enable social time, and facilitate trust-building encounters.

2. Transportation and Land use

Key CEEP Strategies

- Reduce the number of vehicle trips taken in the District using Transportation Demand Management strategies (e.g. parking fees, bicycle facilities, transit subsidies)
- Ensure new developments are designed to be “complete communities” that allow living, working, and playing in the same place
- Use thoughtful neighbourhood and site design strategies to improve pedestrian and cyclist safety (e.g. traffic calming infrastructure such as intersection diverters) and enhance access to multimodal transportation systems (e.g. allocate more curb space to transit stops and bicycle facilities)
- Support Metro Vancouver’s efforts to manage congestion with mobility pricing (e.g. parking fees, transit fares, road usage charges, etc.)
- Improve the efficiency of the transit network and service level through the use of “priority” measures (e.g. transit-only lanes) and improved accessibility (drop-off space, bicycle parking at major stops/exchanges)
- Advocate for provincial/federal Vehicle Emissions Standards to improve fuel efficiency and reduce carbon emissions
- Promote electric vehicle (EV) adoption by exploring bulk buying programs and advocating for a provincial Zero Emission Vehicle (ZEV) mandate
- Ensure EV readiness by requiring EV charging stations in residential and office buildings and public parking lots

What we heard

The DNV should work to:

- Ensure the creation of safe walking and cycling routes for children travelling to school
- Implement strategies to increase EV adoption
- Increase density in single family residential zones to improve affordability and build closer communities
- Implement densification in a way that doesn’t impact the District’s liveability or beauty
- Reduce parking requirements/allowances in buildings and for areas close to transit, cycling, or pedestrian infrastructure
- Build bike paths on all major roads and bridges designed to All Ages and Abilities (AAA) standards
- Promote shorter work days to provide residents with more time
- Consider the impact of autonomous vehicles on future transit use
- Encourage active transportation infrastructure (e.g. bike or stroller parking) across the District
- Improve transit services

Co-benefits

Joy	Health	Equity	Ease	Resilience	Meaning	Belonging	Sociability
							





3. Buildings and Energy

Key CEEP Strategies

- Phase in the new BC Energy Step Code for all new construction
- Implement a Building Retrofit program to improve efficiency and comfort levels in existing building stock
- Eliminate fossil fuel dependence (via fuel switching)

What we heard

The DNV should work to:

- Implement the BC Energy Step Code as quickly as possible while ensuring costs aren't too high
- Prohibit bylaws banning line-drying laundry outdoors in multi-family buildings
- Carefully consider the limited solar potential of solar energy alongside future electrical demand (i.e. from increased EV adoption)
- Explore online energy audit software (e.g. Snugg)
- Incentivize building retrofits (e.g. through property tax reductions)
- Encourage energy efficiency by highlighting benefits to comfort, water, waste, health, and safety
- Encourage housing developers near the Port to build to Passive House equivalent levels to improve indoor air quality
- Find a way to work with FortisBC on actions and opportunities to reduce natural gas consumption
- Identify means of shortening payback periods for building upgrades and solar installations

Co-benefits

Joy	Health	Equity	Ease	Resilience	Meaning	Belonging	Sociability



4. Solid Waste

Key CEEP Strategies

- Set new Municipal Solid Waste Diversion Targets
- Expand organics collection programs (MURBs, commercial)
- Explore wood waste bans

What we heard

The DNV should work to:

- Require the use of multi-stream waste sorting spaces in all new multi-family buildings
- Find ways to better manage and enforce waste reduction in the Demolition, Land Clearing, and Construction (DLC) sector

Co-benefits

Joy	Health	Equity	Ease	Resilience	Meaning	Belonging	Sociability





5. Urban Forestry

Key CEEP Strategies

- Increase seasonal shading of buildings and active transportation routes with urban forestry
- Establish urban forestry management bylaws

What we heard

The DNV should work to:

- Protect urban forestry canopy to help the District adapt to temperature increases as the climate warms

Co-benefits

Joy	Health	Equity	Ease	Resilience	Meaning	Belonging	Sociability

6. General Comments

What we heard

- Incentives should be aligned to ensure they result in low emissions outcomes, not just energy reductions
- Existing tools (e.g. community energy explorer website, thermal imaging, solar roof maps, etc.) should be used to engage residents
- Engagement and solutions should target a broad spectrum of residents
- CEEP messaging should be translated into multiple languages to engage the whole community
- Education should be provided on the benefits of active transportation
- Stories and images (not just data) should be used to demonstrate to the community the broad range of benefits the CEEP will bring to the District (focussing on quality of life and community building)



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