

THE CORPORATION OF THE CITY OF NORTH VANCOUVER

BYLAW NO. 8075

A bylaw to amend the “City of North Vancouver Official Community Plan Bylaw, 2002, No. 7425”

The Council of The Corporation of the City of North Vancouver, in open meeting assembled, enacts as follows:

1. This bylaw shall be known and cited for all purposes as the “**City of North Vancouver Official Community Plan Bylaw, 2002, No. 7425, Amendment Bylaw, 2010, No. 8075**” (**Bill 27 Response: Greenhouse Gas Reduction Targets, Policies and Actions**).
2. Section 8.4 Energy Planning Goals of Chapter 8: Environment is hereby amended by deleting and replacing item 8.4.7 in its entirety with the following:

8.4.7 Community Energy and Emissions Planning Goal:

The Province of British Columbia is taking significant steps to address climate change. Bill 27 *Local Government (Green Communities) Act, 2008*, requires municipalities to incorporate policies, targets and actions in their Official Community Plans to reduce greenhouse gas (GHG) emissions in support of this effort. The City’s 2002 OCP, as amended, already has many policies and actions that are designed to conserve energy and reduce the emission of greenhouse gases as indicated in Provincial legislation, policies and the B.C. Climate Action Charter: Regional Town Centre, mixed use neighbourhoods and developments, compact residential building forms, walking, cycling, transit oriented policies, etc. The 100 Year Sustainability Vision produced in 2008, to celebrate the City’s 100th birthday by looking forward 100 more years, lays out one possible future that in 2107 could sustain a very livable City with a larger population and more employment within the existing City boundaries but with the equivalent of a net zero green house gas emitting community.

Significant changes are necessary in the way we live, travel and do business to bring this vision about. Positive improvements are possible even with existing technology if they can be applied and the existing urban structure adapted to the task. In the longer term, the aim of the City is to work towards net zero GHG emissions by 2107, the City’s 200th birthday. In the shorter term, the following policies, targets and actions are presented in a format, and with reference to existing policies and bylaws, to help achieve the Province-wide goal of an 80% GHG reduction by 2050. These municipal policies have been prepared in conjunction with a Community Energy & Emissions Reduction Plan.

8.4.7.1 Greenhouse Gas Emissions Reduction Targets:

Based upon the 2007 Provincial Community Energy and Emissions Inventory, the City, at 5.0 tonnes per capita, already has among the lowest per capita GHG emissions in the Province. To further reduce community greenhouse gas emissions (GHG’s) from buildings, transportation and waste, the following targets are hereby established:

- 15% below 2007 levels by 2020; and,
- 50% below 2007 levels by 2050.

Other supporting targets that have been identified are included in the following sections.

8.4.7.2 Key Actions

- A. To adopt and implement a Community Energy and Emissions Reduction Plan based the priorities listed in Section 8.5;
 - B. To develop a “climate lens” to assess and guide municipal decision-making;
 - C. To integrate energy and greenhouse gas management and greater climate resilience into the next Official Community Plan update;
 - C. To amend City Bylaws and policies as necessary to achieve the above targets;
 - D. To create greater public awareness of local, regional and global climate change trends, including the causes of, anticipated impacts of, and recommended local responses to climate change;
 - E. To encourage City residents and workers to make choices that respond to climate change by reducing GHG emissions, lowering energy consumption and building a more resilient community.
3. Section 8.5 Energy Planning Objectives of Chapter 8: Environment is hereby deleted in its entirety and replaced with the following:

Section 8.5 Community-wide Energy Planning Priorities

- A. To pursue energy management and greenhouse gas emission reductions as part of an integrated approach to becoming a more sustainable community;
- B. To seek out and collaborate with partners and agencies in the energy, transportation, development and waste management fields to jointly achieve energy conservation and greenhouse gas reduction;
- C. To encourage optimization of energy utilized during the full life-cycle use of public and private assets, i.e. for the production, transportation and assembly of materials, for the lifetime operation and maintenance of the asset, and for the retirement, re-use and replacement of the asset.

8.5.1 Land Use Priorities

8.5.1.1 Policies

- A. To encourage the planning and design of energy efficient neighbourhoods to minimize green house gas emissions;
- B. To provide higher density, mixed use development along key transit and energy utility corridors;
- C. To increase the quantity, diversity and quality of local jobs to maintain a residents in the labour force to jobs balance thereby reducing the need for longer work commute distances for City residents;

8.5.1.2 Action

- A. To use energy modeling to help guide land use planning in the next update of the Official Community Plan.
- B. To pursue ways to achieve employment growth in balance with residential growth through economic development;

8.5.2 Building Priorities

8.5.2.1 Policies

- A. To improve and record the energy efficiency of new and existing residential, commercial, industrial and institutional buildings in the City;
- B. To encourage the displacement of inefficient heating systems through high efficiency system upgrades and renewable heating systems.

8.5.2.2 Actions

- A. To pursue increasingly aggressive energy standards for new and existing buildings over time beginning with a goal of achieving at least 20% better than BC Building Code;
- B. To establish a Building Retrofit Program with external agencies and work toward a target to 2020 of at least a 3% retrofit rate per year for all building types;
- C. In the medium term to build a database of building energy performance data;
- D. To review and expand on a regular basis Lonsdale Energy Corporations (LEC) service areas in order to maximize the number of buildings connected to the system;
- E. To work with LEC to target the connection of 100% of City-owned, Provincial and Federal government buildings to LEC by 2020.

8.5.3 Transportation Priorities

8.5.3.1 Policies

- A. To integrate land use and transportation planning to minimize the need for private vehicle use and maximize pedestrian, bicycle and transit travel;
- B. To decrease greenhouse gas emissions by providing alternatives to the automobile including, but not limited to, the provision of sidewalks, multi-use pathways and cycling routes, transit rider enhancements and giving vehicle priority to transit;
- C. To work toward a modal split with a higher concentration of transit use, walking, cycling and carpooling;
- D. To encourage a reduction in the number of trips and vehicle kilometres travelled per capita in line with regional and provincial objectives through the policies and approaches contained elsewhere in this plan and in cooperation with Metro Vancouver, the Province and TransLink.

8.5.3.2 Actions

- A. Implement the Long-Term Transportation Plan which includes:
 - a. Pedestrian Plan;
 - b. Bicycle Plan;
 - c. Transit Plan;
 - d. Goods & Services Movement Strategy;
 - e. Road Network Plan;
 - f. Transportation Demand Management Strategy,with a target to reduce the number of daily vehicle trips per capita by 10% from the current 3.9 trips per capita and increasing the mode share for non-automobile modes to 30% from the current 20% by 2028 as per the targets set in the Transportation Monitoring and Implementation Strategy;
- B. To continue to liaise with and lobby other governments for improved transit service, including an increased level of transit service across Burrard Inlet, and alternative transportation infrastructure funding.

8.5.4 Energy Supply Priorities

8.5.4.1 Policies

- A. To work with LEC to expand the existing Community Energy System, to connect as many buildings as possible, as a means of providing heat energy for applications such as space heating and domestic hot water provided that it is demonstrated to be economically and technically feasible, and meets the City's sustainability goals and objectives;
- B. To minimize the use of non-renewable energy by increasing the use of clean and efficient renewable energy supply systems including:
 - i. Encouraging the use of on-site renewable energy for all building types; and,
 - ii. Assisting LEC to transition to renewable energy sources.

8.5.4.2 Actions

- A. To assist LEC in the development of a Business Plan and Implementation Strategy;
- B. To assist LEC in developing a Renewable Energy Strategy which may include feasibility studies for renewable energy opportunities, provided that it is demonstrated to be economically and technically feasible, including but not limited to waste to energy;
- C. To research and establish best practices for new and existing buildings to encourage renewable heat and electricity opportunities such as solar ready for buildings;
- D. To explore options for requiring hydronic systems for all non single family buildings due to its flexibility in use with district energy systems.

8.5.5 Solid Waste Priorities

8.5.5.1 Policies

- A. To foster a “zero waste” waste minimization ethic regarding consumption and materials in order to reduce the amount of waste being generated and disposed;
- B. To work collaboratively with the community, business, industry and other levels of government to accelerate waste avoidance and diversion.
- C. To make best use of the potential resource created by non-recyclable material.

8.5.5.2 Actions

- A. To continue to implement the regional Zero Waste Challenge, by minimizing waste generation and maximizing reuse, recycling, and material recovery;
- B. To lobby senior levels of government for accelerated implementation of waste reduction initiatives such as extended producer responsibility;
- C. To incorporate “zero waste” waste minimization principles in new building, landscape, and neighbourhood design.

8.5.6 Urban Agriculture and Landscape Priorities

8.5.6.1 Policies

- A. To continue to expand community gardening and urban agriculture as a way of increasing food security and reducing the greenhouse gas emissions associated with food production, processing and transportation;
- B. To pursue opportunities to plant more trees and expand urban forests to enhance their potential as carbon sinks while meeting wildlife habitat, biodiversity, and environmental protection objectives contained elsewhere in this plan.

8.5.6.2 Actions

- A. To consider the development of a Food Security Strategy to explore and encourage opportunities for community gardening and urban agriculture in the City;
- B. To implement the Urban Forest Master Plan;
- C. To implement the Street Tree Master Plan.

READ a first time by the Council on the 12th day of April, 2010.

READ a second time by the Council on the 10th day of May, 2010.

READ a third time and passed by the Council on the 10th day of May, 2010.

RECONSIDERED and finally adopted By the Council, signed by the Mayor and City Clerk and sealed with the Corporate Seal on the 17th day of May, 2010.

“Darrell R. Mussatto”

MAYOR

“Sandra E. Dowey”

CITY CLERK