

VILLAGE OF LIONS BAY

OFFICIAL COMMUNITY PLAN AMENDMENT

Proposed Targets, Action, and Policies: Greenhouse Gas Emission Reduction

Pursuant to Section 877(3) of the *Local Government Act*, local governments are required to incorporate within their official community plans targets, policies, and actions for the reduction of greenhouse gas emissions. The following amendment to the Official Community Plan is proposed for the Village of Lions Bay:

1. Targets

The Village of Lions Bay is a semi rural community at the periphery of the region's urban area yet within close proximity to communities with urban amenities. Although the *Community Energy and Emissions Inventory* (CEEI) produced by the Province reports that 92% of Greenhouse Gas (GHG) emissions in Lions Bay is due to transportation related activities and only 8% is allocated to buildings, the Village is very dubious of the accuracy of the 2007 figures, and therefore can not rely on these figures as a baseline. That being said, the primary contributors to GHG emissions within the Village are private vehicles and houses that are heated with oil. Focusing on the conversion of homes using fossil fuels has been identified as having the largest positive impact on the environment in Lions Bay and the most benefit to home owners financially over time.

On this basis, the following Greenhouse Gas (GHG) emission **reduction** targets to be achieved by **2020** have been established recognizing that new baseline information is needed. These targets that have been set on the basis of reducing the community's carbon footprint while respecting the community's vision of retaining its semi rural character:

Transportation

- 3% reduction due to increased transit use and ride-share; and
- 30% reduction due to change over of vehicles – smaller engine sizes

Buildings

- 11% reduction assuming oil heat users convert to an alternative renewable energy source and new buildings are constructed with greater energy efficiency; and
- an additional 3-4% reduction due to conservation measures

Solid Waste

- 50%

Overall Community

- 20%

The Village recognizes that it has a role to play in leading the community to meet these targets. That being said, the attainment of these targets is also conditional upon the Province pursuing various initiatives such as changing the BC Building Code to require the incorporation of green building technology for new buildings and renovations, and enabling the creation of new, alternative, and renewable energy sources to power our vehicles and heat our homes. Without the provincial initiatives and advances in technology, the achievement of these targets will be most challenging.

2. Policies

To work towards achieving these targets, the Village of Lions Bay will pursue the following **transportation** and **land use / building** policies:

Transportation

- 2.1 *Promote integrated public transportation in cooperation with the Sea-to-Sky communities to increase more efficient public transit options both north and south of Lions Bay*
- 2.2 *Promote a car pooling registry (now ride-share) and maintain and promote the park and ride facility in order to reduce dependency on the single occupant vehicle*
- 2.3 *Support new forms of low emission vehicular transportation*
- 2.4 *Provide ongoing education to residents to assist them in using transit and making choices*
- 2.5 *Provide safe and protected shelter at each bus stop location.*
- 2.6 *Enhance the trail network within the Village in order to encourage pedestrian mobility*
- 2.7 *Support the maintenance and upgrading of safe bicycle lanes on and off Highway 99 and through the village*

Land Use / Building

- 2.8 *Provide for secondary suites within single family dwellings through changes to the Zoning Bylaw pursuant to Policy 4.3(a)*
- 2.9 *Explore options for new housing opportunities pursuant to Policy 4.3(b)*
- 2.10 *Continue to support home based businesses pursuant to Policy 4.3(g)*
- 2.11 *Support the development of an expanded or new community center in a central location to function as a community gathering point pursuant to Policy 4.4(a)*
- 2.12 *Support the strengthening of the Village's central core by accommodating new commercial activities as market conditions permit*
- 2.13 *Support alternative energy sources such as solar and geothermal heating by providing incentives to builders when applying for building permits*
- 2.14 *Support the development of micro hydro electric energy production pursuant to Policy 4.7(l) to provide alternative power to the Village and in particular its municipal buildings.*

- 2.15 *Provide incentives to builders and property owners to construct more energy efficient homes*
- 2.16 *Require new homes within new subdivisions that are the subject of rezoning applications to meet Built Green standards*

Solid Waste

- 2.17 *Support Metro Vancouver's Zero Waste objectives.*
- 2.18 *Examine options to reduce quantities of waste and to provide alternatives*

3. Actions

As a means of implementing these policies, the Village of Lions Bay will consider pursuing the following **specific actions**:

- 3.1 *Review the Zoning Bylaw and the Building Bylaw to identify any significant barriers to achieving GHG reduction and to explore the creation of incentives for the removal of oil furnaces*
- 3.2 *Develop and promote educational programs about climate change and a tool-kit for residents to promote energy-efficiency at home, especially for those homes using oil for heating*
- 3.3 *Continue to utilize the Climate Change Action Task Force as a means of spearheading climate change initiatives and providing recommendations to Council*
- 3.4 *Identify potential community garden sites on Village lands and raise awareness about the value of purchasing locally-produced food and supporting programs that build a robust local food network*
- 3.5 *Adopt and enforce an Anti – Idling Bylaw*
- 3.6 *Investigate measures for the Village to provide incentives for residents to conduct energy audits and to undertake energy retrofits*
- 3.7 *Continue to acquire trail corridors within new subdivisions to enhance pedestrian mobility and provide trail connections at the end of cul de sacs where possible to connect neighbouring subdivisions and to the hiking trail network*
- 3.8 *Provide information on village interconnecting trails to promote and encourage physical activity and walking within the Village.*
- 3.9 *Develop a safe and accessible pathway connecting Brunswick Beach to Central Lions Bay to Kelvin Grove*
- 3.10 *Request the Province to update the Community Energy and Emissions Inventory (CEEI) to achieve a more accurate GHG emission baseline and to*

provide the Village with the tools and resources to monitor and measure the GHG reduction levels

- 3.11 Collaborate with Translink to reduce the barriers to make transit a more desirable experience*
- 3.12 Review bylaw enforcement and infraction penalties as a means of achieving waste reduction*
- 3.13 Consider changes to the waste management contract in order to examine a more efficient approach with respect to transportation waste out of the Village*
- 3.14 Undertake a feasibility study for micro hydro electric energy production*

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