

Climate Action Revenue Incentive (CARIP) Public Report for 2016

Local Government: Village of Pemberton

Report Submitted by:

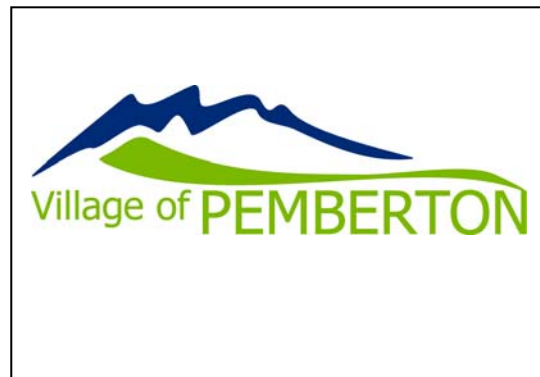
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The [Village of Pemberton] has completed the 2016 Climate Action Revenue Incentive Program (CARIP) Public Report as required by the Province of BC. The CARIP report summarizes actions taken in 2016 and proposed for 2017 to reduce corporate and community-wide energy consumption and greenhouse gas emissions (GHG) and reports on progress towards achieving carbon neutrality.

2016 BROAD PLANNING ACTIONS

Broad Planning Actions

Broad Planning refers to high level planning that sets the stage for GHG emissions reductions, including plans such as Official Community Plans, Integrated Community Sustainability Plans, Climate Action Plans or Community Energy Emissions Plans. Land use planning that focuses on Smart Growth principles (compact, complete, connected, centred) plays an especially important role in energy and GHG reduction.

Community-Wide Actions Taken in 2016	
	Adopt One Mile Lake Park Master Plan
	Adopt Agricultural Parks Master Plan
	Continued participation in Regional Growth Strategy Review
Community-Wide Actions Proposed for 2017	
	Energy efficient signage review in Sign Bylaw
	Greening the Zoning Bylaw as part of Zoning Bylaw Review
	Continued participation in Regional Growth
	Implementing One Mile Lake Park/ Ag Park
	Building Friendship Bridge and Trail Network

Corporate Actions Taken in 2016	
	Continued Development on Corporate Sustainability Plan
	Applied for BC Hydro LED Grant
	Participated in Bike to Work Week
	Participated in Pitch in Week, Recycling Materials
Corporate Actions Proposed for 2017	
	BC Hydro LED Replacement Completed
	Converted One Lake Parking Lot into Greenspace
	Will participate in Bike to Work Week
	Will participate in Pitch in Week, Recycling Materials

Broad Planning	
What is (are) your current GHG reduction target(s)?	<p>(Please provide details here)</p> <p>The following 5 targets are included in plan; 85% of all residences shall be within 1000 meters of the downtown core, ensure a net gain of open space and trails, decrease single vehicle occupancy commuting to Whistler for employment by 10%, increase commuting trails within the Village boundaries by 20% and increase transit ridership by 20%.</p>

Has your local government used the Community Energy and Emissions Inventory (CEEI) to measure progress?	Yes
What plans, policies or guidelines govern the implementation of climate mitigation in your community?	
• Community Energy and Emissions (CEE) Plan	No
• Climate Action Plan	No
• Integrated Community Sustainability Plan	No
• Official Community Plan (OCP)	Yes
• Regional Growth Strategy (RGS)	Yes
• Do not have a plan	No
• Other:	No
Does your local government have a corporate GHG reduction plan?	No
Does your local government have a climate reserve fund or something similar?	No

2016 BUILDINGS AND LIGHTING ACTIONS

Building and Lighting Actions

Low-carbon buildings use the minimum amount of energy needed to provide comfort and safety for their inhabitants and tap into renewable energy sources for heating, cooling and power. These buildings can save money, especially when calculated over the long term. This category also includes reductions realized from energy efficient street lights and lights in parks or other public spaces.

Community-Wide Actions Taken in 2016	
	BC Hydro LED Street Light Conversion
Community-Wide Actions Proposed for 2017	
	Completing BC Hydro LED Street Light Conversion

2016 GREENSPACE/ NATURAL RESOURCE PROTECTION ACTIONS

Greenspace Actions

Greenspace/Natural Resource Protection refers to the creation of parks and greenways, boulevards, community forests, urban agriculture, riparian areas, gardens, recreation/school sites, and other green spaces, such as remediated brownfield/contaminated sites as well as the protection of wetlands, waterways and other naturally occurring features.

Community-Wide Actions Taken in 2016	
	Adopt One Mile Lake Park Master Plan
	Adopt Agricultural Parks Master Plan
	Review Community Forest Study

Community-Wide Actions Proposed for 2017	
	Implement One Mile Lake Park Master Plan
	Implement Agricultural Parks Master Plan
	Implement Community Forest Study

Greenspace	
Does your local government have urban forest policies, plans or programs?	Yes

2016 SOLID WASTE ACTIONS

Solid Waste Actions

Reducing, reusing, recycling, recovering and managing the disposal of the residual solid waste minimizes environmental impacts and supports sustainable environmental management, greenhouse gas reductions, and improved air and water quality.

Corporate Actions Taken in 2016	
	Council support of Regional District Solid Waste Plan
	Discussion regarding curbside pickup, recycling
Corporate Actions Proposed for 2017	
	Continued discussion regarding curbside pickup and recycling
	Partnered with SLRD to offer a free yard waste bin in lieu of burning

Solid Waste	
Does your local government have construction and demolition waste reduction policies, plans or programs?	No
Does your local government have organics reduction/diversion policies, plans or programs?	No

2016 TRANSPORTATION ACTIONS

Transportation Actions

Transportation actions that increase transportation system efficiency, emphasize the movement of people and goods, and give priority to more efficient modes, e.g. walking, cycling, ridesharing, and public transit, can contribute to reductions in greenhouse gas emissions and more livable communities.

Community -Wide Actions Taken in 2016	
	Ongoing review for zoning bylaw
	Participated in the BC Transit service Discussion Study

Community-Wide Actions Proposed for 2017	
	Participate in Sea to Sky BC Transit Improvement Study
	Compile Downtown Traffic Flow Study
	Friendship Trail Bridge and Trail

Corporate Actions Taken in 2016	
	Participated in Bike to Work
	Offered Bus Service to Staff Event
Corporate Actions Proposed for 2017	
	Participate in Bike to Work
	Encourage ridesharing to meetings

Transportation	
Does your local government have policies, plans or programs to support:	
• Walking	Yes
• Cycling	Yes
• Transit Use	Yes
• Electric Vehicle Use	No
• Other (Carpooling)	Yes
Does your local government have a transportation demand management (TDM) strategy (e.g. to reduce single-vehicle occupancy trips, increase travel options, provide incentives to encourage individuals to modify travel behavior)?	No
Does your local government have policies, plans or programs to support local food production (thus reducing transportation emissions)?	Yes

2016 WATER AND WASTEWATER ACTIONS

Managing and reducing water consumption and wastewater is an important aspect of developing a sustainable built environment that supports healthy communities, protects ecological integrity, and reduces greenhouse gas emissions.

Community-Wide Actions Taken in 2016	
	Ongoing development to utilize green storm water management practices. (ie. bioswales)
Community-Wide Actions Proposed for 2017	
	Review Grants available to utilize green storm water management practices. (ie. bioswales)

Corporate Actions Taken in 2016	
	Moved to On Demand Water Filtration in place of an electric cooling system
	Building Improvements to repair dripping faucets
	Replacement of Cedar Lane Water Line of old infrastructure
Corporate Actions Proposed for 2017	
	Investigating air valve system in solid waste pipes to decrease inefficiencies
	Purchasing Ground Penetrating radar to locate utilities for review
	Pioneer Waterline Replacement of old infrastructure scheduled
Water Conservation	
Does your local government have water conservation policies, plans or programs?	Yes

2016 CLIMATE CHANGE ADAPTATION ACTIONS

Climate Change Adaptation Actions

For local governments, adaptation to a changing climate can take the form of changes in policy, management, technology and behaviour that minimize negative impacts or exploit opportunities. It can involve both “hard” and “soft” solutions, including: changes in infrastructure engineering, planning, zoning, bylaws, and public education.

Climate Change Adaptation Actions Taken in 2016	
	Continued to update and Green Village Zoning Bylaw to encourage energy efficient and sustainable land use development
Climate Change Adaptation Actions Proposed for 2017	
	Continued to update and Green Village Zoning Bylaw to encourage energy efficient and sustainable land use development
	Adopt Revised Community Wildfire Protection Plan

In 2016 did you consider climate change impacts in any of the following areas? (check if yes)	
Risk reduction strategies	
Risk and Vulnerability assessment	
Asset management	
Infrastructure upgrades (e.g. stormwater system upgrades)	YES
Cross-department working groups	
Emergency response planning	YES
Land-use policy changes (eg. OCP, DPA)	YES
Economic diversification initiatives	
Ecosystem-based approaches (incl. shorelines)	
Incentives (e.g. property owner reducing stormwater run-off)	

Public education and awareness YES	
Research (e.g.mapping, participation in studies) YES	
Other (Please Identify):	

INNOVATION AND PEER-TO-PEER LEARNING

Programs, Partnerships and Funding Opportunities

Local governments often rely on programs, partnerships and funding opportunities to achieve their climate action goals. Please share the names of programs and organizations that have supported your local government’s climate actions by listing each entry in the box below.

Programs and Funding
BC Hydro LED Replacement Community Forest Partnership Agricultural Plan with Stewardship Pemberton Friendship Bridge and Trail with Innergex, SLRD and Bike BC Grant

2016 CARBON NEUTRAL REPORTING

Local governments are required to report on their progress in achieving their carbon neutral goal under the Climate Action Charter. Working with B.C. local governments, the joint Provincial-UBCM Green Communities Committee (GCC) has established a common approach to determining carbon neutrality for the purposes of the Climate Action Charter, including a Carbon Neutral Framework and supporting guidance for local governments on how to become carbon neutral.

Prior to completing this survey, please ensure that you are familiar with guidance available on the B.C. Climate Action Toolkit website, especially Becoming Carbon Neutral: A Guide for Local Governments in British Columbia.

Reporting Emissions

Did you measure your local government's corporate GHG emissions in 2016?	Yes
If your local government measured 2016 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from services delivered <u>directly</u> by your local government:	107.64

If your local government measured 2016 corporate GHG emissions, please report the number of corporate GHG emissions (in tonnes of carbon dioxide equivalent) from <u>contracted</u> services:	
TOTAL A: CORPORATE GHG EMISSIONS FOR 2016	107.64 tCO2e

Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions by one or a combination of the following actions:

- undertake GCC-supported Option 1 Projects
- undertake GCC-supported Option 2 Projects (community GHG emissions reduction projects that meet project eligibility requirements)
- purchase carbon offsets from a credible offset provider

OFFSET PROVIDER NAME	OFFSETS
Offsetters	107.64
TOTAL D: OFFSETS PURCHASED FOR 2016	107.64 tCO2e

TOTAL REDUCTIONS AND OFFSETS FOR 2016 (Total B+C+D) = 107.64 tCO2e

Corporate GHG Emissions Balance for 2016

Your local government's Corporate GHG Emissions Balance is the difference between total corporate GHG emissions (direct + contracted emissions) and the GHG emissions reduced through GCC Option 1 and Option 2 projects and/or the purchase of offsets.

CORPORATE GHG EMISSIONS BALANCE FOR 2016 = (A – (B+C+D)) = 0 tCO2e

**If your Corporate GHG Emissions Balance is negative or zero,
your local government is carbon neutral.
CONGRATULATIONS!**

GCC CLIMATE ACTION RECOGNITION PROGRAM

Green Communities Committee (GCC) Climate Action Recognition Program

The joint Provincial-UBCM Green Communities Committee (GCC) is pleased to be continuing the Climate Action Recognition Program again this year. This multi-level program provides the GCC with an opportunity to review and publicly recognize the progress and achievements of each Climate Action Charter (Charter) signatory.

This year a new recognition level has been added – **Level 3: Accelerating Progress on Charter Commitments**–. Recognition is provided on an annual basis to local governments who demonstrate progress on their Charter commitments, according to the following:

Level 1 – Demonstrating Progress on Charter Commitments: for local governments who demonstrate progress on fulfilling one or more of their Charter commitments

Level 2 – Measuring GHG Emissions: for local governments that achieve level 1, and who have measured their Corporate GHG Emissions for the reporting year and demonstrate that they are familiar with the Community Energy and Emissions Inventory (CEEI)

Level 3 – Accelerating Progress on Charter Commitments: for those local governments who have achieved level 1 and 2 and have demonstrated undertaking significant action (corporately or community wide) to reduce GHG emissions in the reporting year (ie: through undertaking a GHG reduction project, purchasing offsets, establishing a reserve fund).

Level 4 - Achievement of Carbon Neutrality: for local governments who achieve carbon neutrality in the reporting year.

	Level 1 – Demonstrating Progress on Charter Commitments	
	Level 2 – Measuring GHG Emissions	
	Level 3 – Accelerating Progress on Charter Commitments	
	Level 4 - Achievement of Carbon Neutrality	
	Not Sure	