

Climate Action Revenue Incentive Program (CARIP) Public Report

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Public Report for YEAR 2013

FINAL VERSION

Resort Municipality of Whistler

Squamish Lillooet RD



Report Submitted by

Ted Battiston

Manager of Special Projects

tbattiston@whistler.ca

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General Information

Name of Local Government	Resort Municipality of Whistler
Member of Regional District (RD)	Squamish Lillooet RD
Regional Growth Strategy (RGS) in region	Yes
Population	10,400

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Community Wide Actions for 2013

1.1 Measure

Community Wide Measurement Actions

Question	Have you been using the Community Energy and Emissions Inventory (CEEI) to measure progress? What else have you been using instead of/in addition to CEEI?
Answer	No
Additional Information	"We compile our own community-wide energy and emissions inventories annually. Access to a summary report based on the 2011 inventory can be accessed at: http://www.whistler.ca/services/environmental-stewardship/climate-action-and-energy. "

1.2 Plan

Community Wide Targets

Question	Does your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the <i>Local Governments Act</i> (LGA)? If yes, please identify the targets set. If no or in progress, please comment.
Answer	Yes
Additional Information	"Whistler Official Community Plan (2012) Policy 8.4.1.1 Lead a community-wide effort to reduce total community GHG emissions to a level 33% lower than 2007 levels by 2020; 80% lower than 2007 levels by 2050; and 90% lower than 2007 levels by 2060."

1.3 Reduce

Supportive Community Wide Actions

Action Type	Broad Planning
Actions Taken this Year	Began background research and best practice review of municipally-deployed energy incentive funding for commercial and residential sector
Proposed Actions for Next Year	Deploy municipal-level energy incentive program in Whistler.

Action Type	Building and Lighting
Actions Taken this Year	Green building policy already exists.
Proposed Actions for Next Year	Continue to use section 219 covenants to ensure higher levels of efficiency in key rezoning projects.

Action Type	Energy Generation
Actions Taken this Year	SHW-Ready already completed. Finalized district energy feasibility study for Whistler Village.

Action Type	Green Space
Actions Taken this Year	Support approaches for integrating ecosystem based management protocols in the Cheakamus Community Forest (CCF). Leveraging the Provincial FCOP to execute a carbon offset project within the CCF.

Action Type	Transportation
Actions Taken this Year	Integrated TDM policies into updated OCP. Executed on recommendations within EVSE planning and outreach strategy. Work with Province and BC Hydro on potential L3 DCFC station in Whistler Village.
Proposed Actions for Next Year	Expand Valley Trail network to support self-propelled commuting options.

Action Type	Waste
Actions Taken this Year	Developed municipal level solid waste management strategy
Proposed Actions for Next Year	Leverage MMBC and SWMS recommendation to decrease municipal waste flows, and increase TDR.

Action Type	Water/Sewer
Actions Taken this Year	Updated Municipal Water Conservation Strategy to evaluate ROI on a broad spectrum of conservation projects/initiatives.
Proposed Actions for Next Year	Execute on top recommendations in the updated Water Conservation Strategy. Develop a once-through cooling bylaw for Council consideration.

Direct Community Wide Actions

Action Type	Buildings
Actions Taken this Year	Integrate energy efficiency requirements as S219 covenants on key rezoning projects.
Proposed Actions for Next Year	Evaluate the potential inclusion of commercial buildings in efficiency-related incentive programs

Action Type	Energy Generation
Actions Taken this Year	Evaluate the DES Feasibility study for Whistler Village
Proposed Actions for Next Year	Evaluate the DES Feasibility study for Whistler Village

Action Type	Transportation
Actions Taken this Year	Continue to expand and support the growth of road cycling in Whistler (maintenance protocols, bike lanes, shoulder widths etc...)
Proposed Actions for Next Year	Continue to expand and support the growth of road cycling in Whistler (maintenance protocols, bike lanes, shoulder widths etc...). Install L3 DCFC Charger in Whistler Village.

Action Type	Waste
Actions Taken this Year	Introduce additional separation of plastics to decrease stream contamination at compactor sites.
Proposed Actions for Next Year	revise compactor sites to better align with new MMBC programs.

Action Type	Water/Sewer
Actions Taken this Year	Expand the unaccounted for water program to identify and address system leaks
Proposed Actions for Next Year	Continue to expand diagnostic systems for the unaccounted for water project. Expand enforcement of the Sprinkler bylaw

Action Type	Green Space
Actions Taken this Year	Support carbon offset project at CCF

Corporate Actions for 2013

2.1 Measure

Corporate Measurement Actions

Question	What steps has your local government taken toward completing its corporate emissions inventory?
Answer	The RMOW has more than 8 years of detailed (individually tracked by division, department, workgroup and task) accounting of corporate energy consumption. These inventories include expenditures and GHG emissions generated from each applicable fuel source, as well as workgroup by workgroup carbon costing integrated with our Carbon Neutral Operations Plan

Question	What tool are you using to measure, track and report on your corporate emissions?
Answer	MS excel

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning
Actions Taken this Year	Continue to execute on RMOW Carbon Neutral Operations Plan
Proposed Actions for Next Year	Continue to execute on RMOW Carbon Neutral Operations Plan

Action Type	Building and Lighting
Actions Taken this Year	Evaluated multiple energy efficiency retrofit projects (ROI, IRR, NPV GHG reduction etc...)
Proposed Actions for Next Year	Continue to execute on RMOW Carbon Neutral Operations Plan. Undertaking process-load energy study at WWTP supported by BC Hydro.

Action Type	Energy Generation
Actions Taken this Year	Undertook coarse level review of PV panels for MPSC community centre

Action Type	Transportation
Actions Taken this Year	Tested electrical vehicle integration into municipal fleet.
Proposed Actions for Next Year	Continue annual support of Bike to Work week.

Action Type	Water/Sewer
Proposed Actions for Next Year	Undertake motor inventory for water and sewer system

Direct Corporate Actions

Action Type	Building and Lighting
Actions Taken this Year	Executed 3 lighting retrofits across municipal buildings with BC Hydro support. Installed CO sensors in underground parking areas to reduce run time on ventilation fans. Upgraded to advanced condensing boilers at MPSC.
Proposed Actions for Next Year	Additional lighting retrofits under consideration for parking areas. Upgrade process/blower systems at WWTP to reduce resource inputs (chemical/energy).

Action Type	Fleet
Actions Taken this Year	Tested electric vehicle integration into municipal fleet.
Proposed Actions for Next Year	Increase vehicle efficiency on all new vehicle purchases.

Action Type	Waste
Proposed Actions for Next Year	Expand MMBC integration across municipal infrastructure and systems.

Carbon Neutral Progress Reporting

3.1 Carbon Neutral Progress Reporting

(interim numbers are estimates – to be confirmed prior to Jun 2)

Emissions/Offsets	Tonnes CO2e
Annual corporate emissions using SMARTTool or equivalent inventory tool	1618
<i>Emissions from services delivered directly by the local government</i>	1454
<i>Emissions from contracted services</i>	164
Less:	0
GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	
<i>Energy Efficient Building Retrofits and Fuel Switching</i>	
<i>Solar Thermal</i>	
<i>Household Organic Waste Composting</i>	
<i>Low Emissions Vehicles</i>	
Less:	0
GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects	
<i>Option 2 Project A</i>	
<i>Option 2 Project B</i>	
<i>Sum of Other Option 2 Projects (if you have added projects below)</i>	0
Less:	1618
<i>Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.</i>	
Balance of corporate emissions for this reporting year. <i>(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)</i>	0
Additional "Option 2" Projects	
<i>Option 2 Project C</i>	
<i>Option 2 Project D</i>	
<i>Option 2 Project E</i>	
<i>Option 2 Project F</i>	
<i>Option 2 Project G</i>	
<i>Option 2 Project H</i>	

3.2 Offset Provider Information

Question	Please Identify the name(s) of your offset provider(s) (Please answer below):
Answer	Cheakamus Community Forest - CCF Forest Based Offset Project.
Question	The offsets being claimed in this CARIP Report were purchased from the offset provider(s) indicated above prior to making this CARIP report public (please indicate yes or no):
Answer	No The CCF project is currently finalizing the project verification process (validation is complete). The RMOW intends to execute a purchase with the CCF once the third party audit process is complete (expected in the next 2-3 months).
Question	If your community has not achieved carbon neutrality for this reporting year please describe the actions that you intend to take next year to move you toward your carbon neutral goal.
Answer	As per above, the RMOW intends to maintain 100% carbon neutrality for the 2013 year.