

Climate Action Revenue Incentive Program (CARIP) Public Reporting - Climate Actions Survey 2014

<http://fluidsurveys.com/surveys/irpb/carip/b4f399d396dbe7cc8c5099b410e2ed1e8cb6e62f/>

Filled Wednesday, March 04, 2015

BROAD PLANNING

Broad Planning refers to the high level, strategic planning that sets the stage for GHG reductions. Land use planning that focuses on Smart Growth principles (compact, complete, connected and centred) plays an especially important role in energy and GHG reduction. Plans that relate to a certain sector should be included in that sector, e.g. transportation plans in the 'Transportation' sector. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

	Yes	No	Please specify or comment
Since initially establishing OCP targets, policies, and actions for the reduction of greenhouse gas (GHG) emissions, as required by the Local Government Act, has your local government updated those targets, policies and actions?	False	True	Targets remain consistent with the Provincial targets
Does your local government use the Community Energy and Emissions Inventory (CEEI) to measure progress?	Response		
Has your local government established Development Permit Areas (DPAs) for climate action (i.e. energy conservation, water conservation and/or GHG emission reduction)?	No		
	No		

CORPORATE - Broad Planning

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis	Street Light Inventory Waste Water Treatment Plant Energy Study	Detailed Streetlight retrofit assessment
Plans, Policies, Regulations	(No response)	Development of an updated Community Energy & Climate Action Plan (CECAP) to include updated corporate mitigation and adaptation planning
Policy Implementation	Climate Action Initiative Fund (CAIF) continued to support internal energy	(No response)

	efficiency improvements	
Employee Training, Awareness	(No response)	(No response)
Committees, Staffing	(No response)	Staff advisory team for the development of new CECAP
Funding	CARIP rebate used to fund CAIF program BC Hydro Energy Study funding	(No response)

COMMUNITY-WIDE - Broad Planning

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis	Detailed energy and emissions Inventories compiled and presented to Council	Detailed energy and emissions Inventories compiled and presented to Council
Plans, Policies, Regulations	(No response)	Development of an updated Community Energy and Climate Action Plan (CECAP)
Policy Implementation	see individual sectors	see individual sectors
Community Education, Engagement	(No response)	Community advisory group for the development of the updated CECAP
Committees, Staffing	(No response)	Staff advisory committee to support the development of the updated CECAP
Funding	(No response)	BC Hydro CEEP funding

BUILDINGS

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 viewed over the long term. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

Response

Does your local government have green building/construction policies, plans or programs?	Yes
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CORPORATE - Buildings

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Condensing boiler upgrades at Meadow Park Community Centre. LED lighting	WWTP process and control system upgrades to reduce energy consumption

	upgrades.	
Feasibility Studies, Research, Analysis	Detailed corporate energy and emission inventory compiled and presented to Council	Detailed corporate energy and emission inventory compiled and presented to Council
Plans, Policies, Regulations	(No response)	(No response)
Policy Implementation	(No response)	(No response)
Employee Training, Awareness	Multiple energy management-related webinars	Multiple energy management-related webinars
Committees, Staffing	(No response)	(No response)
Funding	BC HydroFortisBC	BC Hydro

COMMUNITY-WIDE - Buildings

Actions taken in 2014

Actions proposed for 2015

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	(No response)	(No response)
Feasibility Studies, Research, Analysis	(No response)	Detailed inventories and performance analysis on the existing buildings for CECAP.DES performance assessment.
Plans, Policies, Regulations	(No response)	Update to CECAP
Policy Implementation	Energuide Home Energy Assessment rebates for residential homes (new and existing)	Energuide Home Energy Assessment rebates for residential homes (new and existing)
Community Education, Engagement	(No response)	Community advisory committee, open houses and related outreach associated with the development of the updated CECAP
Committees, Staffing	(No response)	Internal advisory team for the development of the updated CECAP
Funding	(No response)	BC Hydro

ENERGY GENERATION

A transition to renewable or low-emission energy sources for heating, cooling and power supports large, long-term GHG emissions reductions. Renewable energy including waste heat recovery (e.g. from biogas and biomass), geo-exchange, micro hydroelectric, solar thermal and solar photovoltaic, heat pumps, tidal, wave, and wind energy can be implemented at different scales, e.g. in individual homes, or integrated across neighbourhoods through district energy or co-generation systems. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

Response

Has your local government undertaken district energy projects in 2014?	No
Has your local government undertaken renewable energy projects 2014?	Yes
Are you aware of the integrated resource recovery (IRR) guidance page on the BC Climate Action Toolkit? (http://www.toolkit.bc.ca/tool/integrated-resource-recovery-irr)	Yes

CORPORATE - Energy Generation

Actions taken in 2014

Actions proposed for 2015

Physical Improvements, Construction	(No response)	(No response)
Feasibility Studies, Research, Analysis	preliminary review of micro hydro generation potential of a snow making system at Lost Lake cross country skiing area	(No response)
Plans, Policies, Regulations	(No response)	Planned update to the CECAP with consideration energy generation opportunities with corporate facilities
Policy Implementation	(No response)	(No response)
Employee Training, Awareness	(No response)	(No response)
Committees, Staffing	(No response)	(No response)
Funding	(No response)	(No response)

COMMUNITY-WIDE - Energy Generation

Actions taken in 2014

Actions proposed for 2015

Physical Improvements, Construction	(No response)	(No response)
Feasibility Studies, Research, Analysis	(No response)	(No response)
Plans, Policies, Regulations	(No response)	Planned update to the CECAP with consider energy generation opportunities with

		corporate facilities
Policy Implementation	(No response)	(No response)
Community Education, Engagement	(No response)	(No response)
Committees, Staffing	(No response)	(No response)
Funding	(No response)	(No response)

GREENSPACE

Greenspace refers to parks and greenways, boulevards, community forests, urban agriculture, riparian areas, gardens, recreation/school sites, and other green spaces, such as remediated brownfield/contaminated sites. Greenspaces support climate change mitigation (reducing emissions by absorbing and sequestering GHG) and adaptation (providing shade, cooling, deflecting strong wind, and improving air quality). In the appropriate boxes below, please record all community-wide actions taken in 2014 and proposed for 2015 (Note: the 'Greenspace' sector only has a community-wide actions section). Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

Response

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

Actions taken in 2014

Actions proposed for 2015

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Execution of ecosystem based management plan throughout community forest	Execution of ecosystem based management plan throughout community forest
Feasibility Studies, Research, Analysis	Development, validation and preliminary verification of offset development project in the Cheakamus Community Forest (CCF)	Final verification of offset project in Cheakamus Community Forest (CCF)
Plans, Policies, Regulations	(No response)	Update of RMOW Carbon Neutral Operations Plan
Policy Implementation	(No response)	Planned purchase of third party-verified offsets from CCF
Community Education, Engagement	Community outreach regarding the status and advantages of planned offset project at the CCF	(No response)
Committees, Staffing	(No response)	(No response)
Funding	(No response)	(No response)

SOLID WASTE

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. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

Response

Does your local government have construction and demolition waste reduction policies, plans or programs?	Yes
Does your local government have organics reduction/diversion policies, plans or programs?	Yes

CORPORATE - Solid Waste

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Waste and Recycling compactor sites were upgraded to meet MMBC program requirements New covered area built at Whistler Compost facility to keep wood chips drier and increase composter capacity.	Further upgrades to optimize the performance of the Nesters Road Waste and Recycling Compactor Site.
Feasibility Studies, Research, Analysis	Biofuel production assessment at Whistler Compost Facility	(No response)
Plans, Policies, Regulations	Development and adoption of a new municipal waste management strategy.	Consideration of regulated organics diversion requirements (i.e. bylaw)
Policy Implementation	(No response)	Design development phase for upgrades to Nesters Compactor site
Employee Training, Awareness	(No response)	Targetted community outreach regarding diversion performance (commercial and strata facilities)
Committees, Staffing	(No response)	(No response)
Funding	(No response)	(No response)

COMMUNITY-WIDE - Solid Waste

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Waste and Recycling compactor sites were upgraded to meet MMBC program requirements New covered area built at Whistler Compost facility to keep wood chips drier and increase composter capacity.	Further upgrades to optimize the performance of the Nesters Road Waste and Recycling Compactor Site.
Feasibility Studies, Research, Analysis	Biofuel production assessment at Whistler Compost Facility	(No response)
Plans, Policies,	Development and adoption of a new	Consideration of regulated organics

Regulations	municipal waste management strategy.	diversion requirements (i.e. bylaw)
Policy Implementation	(No response)	Design development phase for upgrades to Nesters Compactor site
Community Education, Engagement	(No response)	Targetted community outreach regarding diversion performance (commercial and strata facilities)
Committees, Staffing	(No response)	(No response)
Funding	(No response)	New Building Canada Plan

TRANSPORTATION

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. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

Response

Does your local government have policies, plans or programs to support alternative modes and technologies of transportation (e.g. walking, cycling, transit, electric vehicles)	Yes
Does your local government have a transportation demand management (TDM) strategy? (http://www.toolkit.bc.ca/resource/transportation-demand-management-small-and-mid-sized-communities-toolkit)	Yes
Does your local government have policies, plans or programs to support local food production (thus reducing transportation emissions)?	No

CORPORATE - Transportation

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	(No response)	(No response)
Feasibility Studies, Research, Analysis	(No response)	(No response)
Plans, Policies, Regulations	(No response)	(No response)
Policy Implementation	(No response)	Integration of a new electric vehicle into municipal fleet at Public Works Yard
Employee Training, Awareness	Participation in Bike-to-Work week	Participation in Bike-to-Work week
Committees, Staffing	(No response)	(No response)
Funding	(No response)	(No response)

COMMUNITY-WIDE - Transportation

Actions taken in 2014

Actions proposed for 2015

Physical Improvements, Construction	(No response)	(No response)
Feasibility Studies, Research, Analysis	Design development for new section of Valley trail to connect the Alpine Meadows neighbourhood to Nesters neighbourhood. Conceptual design development for enhancements to the Gateway loop intermodal station in Whistler Village	Advance toward full implementation of the Valley trail link across the rail corridor to connect the Alpine Meadows and Nesters neighbourhoods
Plans, Policies, Regulations	(No response)	Development of an updated transportation plans and studies to support the reactivation of the Transportation Advisory Group (TAG) Update to CECAP
Policy Implementation	(No response)	Detailed design development for significant upgrades to the Gateway Loop intermodal station at Whistler Village. Expansion of community EVSE stations (including a level 3 charger at/near the Whistler Conference Centre)
Community Education, Engagement	Stakeholder and community engagement regarding potential enhancement options for the Gateway Loop site.	Continued stakeholder and community engagement regarding potential enhancement options for the Gateway Loop site. CECAP advisory committee
Committees, Staffing	(No response)	(No response)
Funding	(No response)	New Building Canada Plan

WATER and WASTEWATER

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. In the appropriate boxes below, please record all corporate and community-wide actions taken in 2014 and proposed for 2015. Number and type of actions will vary by community. Please refer to the 'Action Examples' tab above for assistance in understanding the type of information to include in each action category. If the action was taken in partnership, please indicate with whom.

Response

Does your local government have water conservation policies, plans or programs?

(No response)

COMMUNITY-WIDE - Water and Wastewater

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	(No response)	(No response)
Feasibility Studies, Research, Analysis	(No response)	(No response)
Plans, Policies, Regulations	(No response)	A comprehensive Water Supply and Conservation Plan will be developed.
Policy Implementation	(No response)	Participation in BC Hydro washer rebate program (October)
Community Education, Engagement	Participation in national water week.	Participation in national water week.
Committees, Staffing	(No response)	(No response)
Funding	(No response)	(No response)

INNOVATION

This section is intended to give your local government an opportunity to describe any energy and GHG emission reduction activities that have been undertaken over the past year(s) that your local government is particularly proud of and would like to share with other local governments.

COMMUNITY-WIDE - Innovation

Please describe any innovative community-wide actions taken in 2014 and add links to additional information where possible.

- Development and deployment of Power Down to Save Up home energy assessment rebates (www.whistler.ca/powerdown)

LOCAL GOVERNMENT INFORMATION

Response

Name of Local Government	Whistler, Resort Municipality of
Name of member Regional District (RD)	Squamish-Lillooet
Regional Growth Strategy (RGS) in your region	Yes
Population	10,000-49,999

Submitted by:

Response

Name	Ted Battiston
Position	Manager of Special Projects
Email	tbattiston@whistler.ca
Telephone # (ten digit)	604-935-8205

Climate Action Revenue Incentive Program (CARIP) Public Reporting Carbon Neutral Progress 2014

Filled Thursday, May 28, 2015

MEASURING CORPORATE GHG EMISSIONS

Q1. Did you measure your local government's corporate GHG emissions in 2014?

Yes

REPORTING CORPORATE GHG EMISSIONS AND REDUCTIONS

A local government's Total Corporate GHG Emissions include direct and contracted GHG emissions that result from the delivery of "traditional services".

Traditional services - services that are commonly provided by a majority of local governments and include: administration and governance; drinking, storm and waste water; solid waste collection, transportation and diversion; roads and traffic operations; arts, recreation and cultural services; and fire protection.

Direct GHG emissions - emissions that are generated by the delivery of a traditional service by local government staff or a subsidiary organization.

Contracted GHG emissions - emissions that are generated by the delivery of traditional services by contractors on behalf of local governments. For more information, see *Becoming Carbon Neutral: A Guide for Local Governments in British Columbia* and *The Workbook: Helping Local Governments Understand How to be Carbon Neutral in their Corporate Operations*.

Reporting Emissions

Q2. What were your local government's 2014 corporate GHG emissions from services delivered directly by your local government?

(in tonnes of carbon dioxide-equivalent, tCO₂e)

1,510 tCO₂e

Q3. What were your local government's 2014 corporate GHG emissions from contracted services?

(in tonnes of carbon dioxide-equivalent, tCO₂e)

295 tCO₂e

Total Corporate GHG Emissions for 2014 = 1,805 tCO₂e

Reporting Reductions and Offsets

To be carbon neutral, a local government must balance their TOTAL corporate GHG emissions by undertaking Option 1 (GCC-supported) or Option 2 (alternative) community GHG emissions reduction projects that meet project eligibility requirements; and/or purchase carbon offsets from a credible offset provider.

Q4. If applicable, please report the 2014 GHG emissions reductions being claimed from Option 1 GHG Reduction Projects.

None

Reductions from Option 1 Projects = 0 tCO₂e

Q5. If applicable, please list the names of and report the 2014 GHG emissions reductions being claimed from Option 2 GHG Reduction Projects.

None

Reductions from Option 2 Projects = 0 tCO₂e

Q6. If applicable, please report the number of offsets you purchased from an offset provider for the 2014 reporting year.

The RMOW is currently negotiating contracts with the Cheakamus Community Forest to purchase third-party validated and verified offsets such that RMOW operations in 2013 and 2014 are 100% carbon neutral. Estimated finalization date June 2015.

PLANNED PURCHASES	Direct (tCO2e)	Contracted (tCO2e)	Total (tCO2e)
2013	1,453	164	1,617
2014	1,510	295	1,805
			3,422

UPDATE (Aug, 2015)

The RMOW has now executed the Voluntary Emissions Reductions Purchase Agreement for the purchase of 3,422 VERs with the Cheakamus Community Forest Society. These VERs have been third-party validated and verified consistent with the BC Emission Offset Regulation standard, and are currently in the process of being registered as retired on the Markit Environmental Registry.

Q7. If you have purchased offsets, please identify the name of your offset provider.

Cheakamus Community Forest (in progress)

Total Reductions from Projects and Offsets for 2014 = 1,805 tCO2e

Corporate GHG Emissions Balance for 2014 = 0

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

Q10. Are you familiar with the Community Energy and Emissions Inventory (CEEI)?

Yes

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. Recognition is provided on an annual basis to local governments who demonstrate progress on their Charter commitments, according to the following:

Level 1 - Progress on Charter Commitments (L1): for local governments who demonstrate progress on fulfilling one or more of their Charter commitments

Level 2 - Measurement (L2): for local governments 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 - Achievement of Carbon Neutrality (L3): for local governments who achieve carbon neutrality in the reporting year

Q11. Based on your local government's 2014 CARIP Public Report, please check the GCC Climate Action Recognition Program level that best applies:

Level 3 - Achievement of Carbon Neutrality

LOCAL GOVERNMENT INFORMATION

Name of Local Government	Whistler, Resort Municipality of
Name of member Regional District (RD)	Squamish-Lillooet
Regional Growth Strategy (RGS) in your region	Yes
Population	10,000-49,999

Submitted by:

Name	Ted Battiston
Position	Manager of Special Projects
Email	tbattiston@whistler.ca
Telephone # (ten digit)	604-935-8205

This year we replaced the CARIP Public Reporting Template with two online surveys to streamline and improve the reporting process. We would like to know what you think.

Somewhat improved

Before submitting your survey, please ensure that it is your local government's complete and final 2014 Carbon Neutral Progress Survey.

Is this your local government's complete and final 2014 Carbon Neutral Progress Survey?

Yes

Q11. Based on your local government's 2014 CARIP Public Report, please check the GCC Climate Action Recognition Program level that best applies:

Level 3 - Achievement of Carbon Neutrality

LOCAL GOVERNMENT INFORMATION

Name of Local Government	Whistler, Resort Municipality of
Name of member Regional District (RD)	Squamish-Lillooet
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