

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

<http://fluidsurveys.com/surveys/irpb/carip/c450ca953083f79e05dbeb696bca02bcae5bb135/>

Filled Sunday, March 08, 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?	True	False	(No response)

Variable	Response
Does your local government use the Community Energy and Emissions Inventory (CEEI) to measure progress?	Yes
Has your local government established Development Permit Areas (DPAs) for climate action (i.e. energy conservation, water conservation and/or GHG emission reduction)?	No

CORPORATE - Broad Planning

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis	Corporate energy & GHG emissions audit Continued monitoring of energy and emissions reductions initiatives through SmartTool results	Initial District Energy System scope and feasibility options Continued monitoring of energy and emissions reductions initiatives through SmartTool results
Plans, Policies, Regulations	(No response)	Increased promotion of energy conservation within corporate buildings as well as water conservation.
Policy Implementation	(No response)	(No response)
Employee Training, Awareness	(No response)	(No response)
Committees, Staffing	Hired additional planner and planning intern to assist with increased workload and planning and programming needs.	(No response)
Funding	Applied for and received funding for: Bike to Work Week 2014	Have applied for or will apply for funding: Gas Tax funding

COMMUNITY-WIDE - Broad Planning

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis	Completed and Urban Tree Inventory - The City of Terrace partnered with the Terrace Downtown Improvement Association (TDIA) to do an inventory and health assessment of the city's urban forest throughout summer 2014. Worked with the Northwest Invasive Plant Council to create an invasive species inventory.	Research/analysis potential for additional "Road Diet" in Terrace for future years.
Plans, Policies, Regulations	Updated Zoning Bylaw, incorporating sustainable policy and direction from our OCP. Completed a Neighborhood Concept Plan for the "Keith Estates" area which would look at converting former brownfields lands to a mix of commercial, industrial and residential use. Implemented MMBC curbside recycling, which includes a reduction in in the amount of garbage residents can put on the curb.	Downtown Parking Study Development of a Development Cost Charge Scoping Study Updated Official Community Plan Parks Master Plan
Policy Implementation	Developed Cash-in-Lieu Policy for Parking.	(No response)

Community Education, Engagement	Multiple engagement opportunities for public participation in 2014 planning initiatives including the new Zoning Bylaw and Neighborhood Concept Plan for the Keith Estates.	Multiple engagement opportunities planned specifically in relation to Parks Master Planning and OCP update.
Committees, Staffing	Developments Services, Leisure Services, Public Works, Administration.	Developments Services, Leisure Services, Public Works, Administration.
Funding	Applied for and received funding for: Bike to Work Week 2014	Have applied for or will apply for funding: Tree Canada Funding Bike to Work Week Funding

Buildings

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.

Variable	Response
Does your local government have green building/construction policies, plans or programs?	Yes

CORPORATE - Buildings

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Complete rebuild of a wall of city hall, fully insulated to above code standards. Upgrade to our DDC system. Significant upgrade to wall of aquatic center, addition of insulation and energy efficient windows as well as enhancements to the air handling	Finalize repair of Aquatic Center wall. Implement dehumidifiers in Arena. Continued DDC upgrades. Conduct a review of water efficient fixtures in public buildings

	system. Upgrades to Animal Shelter Crematorium.	
Feasibility Studies, Research, Analysis	Research into LED streetlights.	Conduct review of Eco-friendly procurement and Energy Star compliance Conduct preliminary scoping/research into a Corporate Energy Management Plan
Plans, Policies, Regulations	(No response)	(No response)
Policy Implementation	(No response)	(No response)
Employee Training, Awareness	(No response)	Investigate participation in BC Hydro's Workplace Conservation Awareness Program.
Committees, Staffing	Public Works departments responsible for most corporate building upgrades. Occupational health and safety committee reviews and notes any deficiencies in buildings.	All departments to be involved in identifying potential energy upgrades to buildings.
Funding	(No response)	(No response)

COMMUNITY-WIDE - Buildings

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Upgrades to City-owned community heritage buildings.	Continued upgrades to all corporate buildings.
Feasibility Studies, Research, Analysis	Additional building added to our Community Heritage Register.	Community Heritage Register pamphlet being produced.
Plans, Policies, Regulations	Amended Zoning Bylaw to allow for cottage suite on parcels over a specific size. Decreased the minimum parcel sizes for various residential zones. Increased the density (units/hectare) for townhouse and multi-family zones.	(No response)
Policy Implementation	(No response)	(No response)
Community Education, Engagement	Rain barrel and composters being offered for sale to the community at city cost. Traffic calming devices installed in the community.	Increase education around opportunities for creation of cottage suites and

	Energy Saving Kits promoted throughout community.	secondary suites in Terrace.
Committees, Staffing	Housing committee continued to review best practices in affordable and sustainable housing.	(No response)
Funding	(No response)	(No response)

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.

Variable	Response
Has your local government undertaken district energy projects in 2014?	No
Has your local government undertaken renewable energy projects 2014?	No
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	Continued operation and maintenance of the solar panel installation at City Hall.	(No response)
Feasibility Studies, Research, Analysis	(No response)	(No response)
Plans, Policies, Regulations	Included regulations for sustainable building technologies in updated Zoning	(No response)

	Bylaw.	
Policy Implementation	(No response)	(No response)
Employee Training, Awareness	(No response)	Research Solar Hot Water pilot project for City Hall for 2016.
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)	Research into District Energy System grant funding - Green Municipal Fund
Plans, Policies, Regulations	Included regulations for sustainable building technologies in updated Zoning Bylaw.	(No response)
Policy Implementation	(No response)	(No response)
Community Education, Engagement	(No response)	Increase awareness through information programs regarding the regulations for sustainable building technologies in updated Zoning Bylaw.
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.

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

COMMUNITY-WIDE - Greenspace

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Completed extension of our primary community greenway, the Grand Trunk Pathway.	(No response)
Feasibility Studies, Research, Analysis	Applied for Free Crown Grant to take over parcel of land to become dedicated green space/	Parks Master Plan Begin research into 2016 potential update to Wayfinding Plan
Plans, Policies, Regulations	(No response)	Subdivision and Development Bylaw review, green spaces considered as part of this review.
Policy Implementation	(No response)	(No response)
Community Education, Engagement	Dedicated (named) an existing underused park, with expectation of raising awareness around it's use. Helped to coordinate an invasive species awareness event, including a "weed pull" component.	Produce enhanced public mapping related to Terrace's Parks Master Plan as part of increasing community awareness around parks and green space amenities. Continued education on invasive species and tree diseases.
Committees, Staffing	Part time gardener position retained for 2014. Green Thumb Society continue to run community gardens on City behalf	Part time gardener position budgeted for 2015.
Funding	(No response)	Seek funding to develop edible garden with newly acquired parcel from the Province of BC through Free Crown Grant.

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.

Variable	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	Implemented MMBC curbside recycling.	Transition to new system of garbage and recycling pick-up; will be using "toters" as opposed to plastic bags for recycling.
Feasibility Studies, Research, Analysis	Conducted extensive research into best technology and systems for new garbage collection system.	Research opportunities for organics composting at City facilities.
Plans, Policies, Regulations	Continued to offer curbside organics diversion, Spring to Fall.	(No response)
Policy Implementation	Continue to promote and support provincial EPR programs.	Continue to promote and support provincial EPR programs.
Employee Training, Awareness	Promoted community clean up opportunities at the staff level.	(No response)
Committees, Staffing	Staff sit on regional solid waste monitoring committee.	City Staff will continue to sit on regional solid waste monitoring committee.
Funding	(No response)	(No response)

COMMUNITY-WIDE - Solid Waste

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Joined MMBC program, implemented curbside recycling and separate glass pickup in the City of Terrace. Implemented "share shed" at municipal landfill, an area where residents can recycling usable goods.	Support the implementation of a community recycling Depot which will allow for the diversion of soft plastics and styrofoam
Feasibility Studies, Research, Analysis	(No response)	(No response)
Plans, Policies, Regulations	Reduction of allowable garbage set-out. Continued to engage the public and private haulers on items banned from landfill.	(No response)
Policy Implementation	(No response)	(No response)
Community Education, Engagement	Helped to coordinate and promote annual community clean-up efforts. Purchased recycling bins that can be used at community events. Continued to promote the Core Store.	Increased placement of recycling bins in municipal buildings.
Committees, Staffing	(No response)	(No response)
Funding	(No response)	(No response)

Transportation

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.

Variable	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)?	Yes

CORPORATE - Transportation

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Continued upgrades to fleet where needed.	(No response)
Feasibility Studies, Research, Analysis	(No response)	Research Electric Zamboni opportunities. Research right sizing fleet best practices.
Plans, Policies, Regulations	(No response)	(No response)
Policy Implementation	(No response)	(No response)
Employee Training, Awareness	(No response)	Increased promotion of no- idling policy.
Committees, Staffing	All departments.	All departments.
Funding	(No response)	(No response)

COMMUNITY-WIDE - Transportation

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Kalum Street Road Diet implemented. Overlays completed for highly damaged roads. Enhancements to Howe Creek bridge. Annual improvements to trails and walkways where needed.	Additional Bike Racks to be installed throughout the community. Inventory of existing "share the road" signage will be undertaken and additional signs added where needed. Annual improvements to trails and walkways where needed.
Feasibility Studies, Research, Analysis	Research additional Road Diet opportunities. Researched bus shelter for 2015 replacement of shelter at main transit exchange.	Research additional Road Diet opportunities.
Plans, Policies, Regulations	(No response)	(No response)
Policy	Continue implementation of Active	Continue implementation of Active

Implementation	Transportation Plan	Transportation Plan
Community Education, Engagement	Continued to participate in Bike to Work Week and raise awareness of cycling and walking opportunities. Partnered with various community organizations. Distributed reflectors for cycling and walk through Public Works building an at Aquatic Center. Distributed free transit passes to seniors.	Continued to participate in Bike to Work Week and raise awareness of cycling and walking opportunities. Promotion of no idling policy.
Committees, Staffing	Development Services, Public Works, Leisure Services.	Development Services, Public Works, Leisure Services.
Funding	Bike to Work Week funding received.	Apply for CIPP.

Water and Wastewater

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.

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

CORPORATE - Water and Wastewater

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Lagoon filtration/aerator project completed with \$35,000 from the Carbon Neutral Reserve directed towards this project.	(No response)
Feasibility Studies, Research, Analysis	Development Services, Leisure Services.	Water modeling exercise to be completed.

Plans, Policies, Regulations	(No response)	(No response)
Policy Implementation	(No response)	(No response)
Employee Training, Awareness	(No response)	Water conservation training.
Committees, Staffing	(No response)	(No response)
Funding	(No response)	(No response)

COMMUNITY-WIDE - Water and Wastewater

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Purchased 50 rain barrels for distribution at cost in the community.	(No response)
Feasibility Studies, Research, Analysis	Researched Rain Barrels program for community. Began gap analysis of water metering of commercial client.	Continue gap analysis of water metering of commercial clients.
Plans, Policies, Regulations	(No response)	(No response)
Policy Implementation	(No response)	(No response)
Community Education, Engagement	Education information distributed related to what to flush down residential toilets and sinks.	Continue promoting and distributing information related to what to flush down residential toilets and sinks. BC Hydro washer efficiency program to be implemented. Promote drinking Water Week and Rainwater Harvesting Best Practices Guide
Committees, Staffing	Summer students hired to support the environmental services department.	Summer students hired to support the environmental services department.
Funding	(No response)	(No response)

Other Climate Actions

OTHER CLIMATE ACTIONS

This section is intended to give local governments a chance to record other climate actions that could not be captured in the above sectors, including climate change adaptation actions

and air quality actions. 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.

Variable	Response
Has your local government begun to integrate the impacts of a changing climate (adaptation) into its planning and operations?	No
Are you aware of the climate change adaptation guidance page on the BC Climate Action Toolkit? (http://www.toolkit.bc.ca/adaptation-challenges-and-opportunities)	Yes

CORPORATE - Other Climate Action

	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	Continued implementation of our Agricultural Area Plan.	Continued implementation of our Agricultural Area Plan.
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 - Other Climate Action

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	(No response)	(No response)
Feasibility Studies, Research, Analysis	(No response)	Investigate opportunities for energy mapping of Terrace and area.
Plans, Policies, Regulations	(No response)	(No response)

Policy Implementation	(No response)	(No response)
Community Education, Engagement	Continued promotion of Woodstove Exchange Program.	Continued promotion of Woodstove Exchange Program.
Committees, Staffing	Continued to work with Regional partners on new regional landfill.	Continued to work with Regional partners on new regional landfill.
Funding	(No response)	(No response)

Innovation

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.

CORPORATE - Innovation

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

(No response)

COMMUNITY-WIDE - Innovation

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

(No response)

Local Government Information

LOCAL GOVERNMENT INFORMATION

Variable	Response
LOCAL GOVERNMENT INFORMATION Name of Local Government	Terrace, City of
LOCAL GOVERNMENT INFORMATION Name of member Regional District (RD)	Kitimat-Stikine
LOCAL GOVERNMENT INFORMATION Regional Growth Strategy (RGS) in your region	No
LOCAL GOVERNMENT INFORMATION Population	10,000-49,999

Submitted by:

Variable	Response
Submitted by: Name	Tara Irwin
Submitted by: Position	City Planner
Submitted by: Email	tirwin@terrace.ca
Submitted by: Telephone # (ten digit)	250-615-4026

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.

Please check the answer that best describes your thoughts on how the Climate Actions Survey and the new survey process compares to the previous year's process.

Somewhat improved

Before submitting your survey, please ensure that it is your local government's complete and final 2014 Climate Actions Survey. Please submit this survey only once.

Is this your local government's complete and final 2014 Climate Actions Survey?

Yes

Once you have submitted your survey, be sure to download your survey report from the 'Thank You' page and use it as your public report.