

Broad Planning

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	Targets and actions have been adopted and included in the City of Chilliwack's 2040 Official Community Plan (OCP). This plan was recently passed and adopted on August.19th 2014. The adopted target is to reduce GHG emissions by 20% per capita from 2007 levels by 2020.
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 and GHG Inventory.	Continue with Corporate Energy and GHG Inventory.
Plans, Policies, Regulations		
Policy Implementation		
Employee Training, Awareness		
Committees, Staffing		
Funding		

COMMUNITY-WIDE - Broad Planning

	Actions taken in 2014	Actions proposed for 2015
Feasibility Studies, Research, Analysis		

Plans, Policies, Regulations	Adopted OCP 2040. Continued to support the densification process through the approval of the OCP and applications within the urban corridor.	Continue to support the densification process in accordance with OCP 2040. Additional neighbourhood planning is anticipated within the urban corridor to support more compact development. A review is planned to examine options for increasing secondary rental suites throughout the community.
Policy Implementation	Incorporated the City's established GHG emission targets and policy to support implementation of the Community Integrated Air Quality Energy and Greenhouse Gas Action Plan.	
Community Education, Engagement		Public engagement, including dialogue with First Nations, is anticipated as part of the compact development planning.
Committees, Staffing		
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.

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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	Replaced 90 - 400 watt HID fixtures with 90 - 190 watt LED fixtures at the Twin Rinks Arena.	Replace one medium efficiency boiler with a high efficiency boiler at the Chilliwack Landing Leisure Center. Replace single pane glass windows to more efficient windows at the Museum (Heritage Building). Looking at improving the skylights in the Chilliwack Library to higher efficient glass in 2015 or 2016.
Feasibility Studies, Research, Analysis	Completed the FortisBC energy study for the Chilliwack Landing Leisure Center on how to save natural gas consumption for the building.	
Plans, Policies, Regulations		Plan to implement the resulting recommendations from the FortisBC energy study for the Chilliwack Landing Leisure Center.
Policy Implementation		
Employee Training, Awareness		
Committees, Staffing		
Funding		

COMMUNITY-WIDE - Buildings

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation		
Community Education, Engagement		

Energy Generation

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.

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		Install a second Biogas Boiler at the Wastewater Treatment Plant (WWTP) in order to capture more biogas and provide reliability.
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation	Used Biogas to heat the WWTP digesters.	Continue to use Biogas to heat the WWTP digesters.
Employee Training, Awareness		
Committees, Staffing		
Funding		

COMMUNITY-WIDE - Energy Generation

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation		
Community Education, Engagement		
Committees, Staffing		
Funding		

Greenspace

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.

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
Physical Improvements, Construction	City crews planted approximately 250 large caliper trees. New greening was placed on Main Street and two new round-a-bouts totaling approximately 2500 square feet.	City crews have already planted 60 trees and another 80 are planned. New greening is also planned to be placed along 2 streets (Luckakuck Way and Princess Avenue).
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation	Commenced implementation of "Parks, Recreation, and Culture Strategic Plan 2014-2023"	
Community Education, Engagement		
Committees, Staffing		
Funding		

Solid Waste

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.

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		
Feasibility Studies, Research, Analysis		Waste diversion assessment for municipal facilities.
Plans, Policies, Regulations		
Policy Implementation		
Employee Training, Awareness		
Committees, Staffing		
Funding		

COMMUNITY-WIDE - Solid Waste

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	Completed Landfill Gas Extraction System installation at the Bailey Landfill.	
Feasibility Studies, Research, Analysis	Planning organics diversion.	Continue organics diversion planning. Perform a waste audit.
Plans, Policies, Regulations		
Policy Implementation		
Community Education, Engagement	Coordinated "April is Earth Month" events with volunteer groups and schools. Staged "Waste Reduction Month" (October) events with retailers and schools. Promoted two Community-wide Garage Sales to encourage reuse.	Continue waste reduction programs. Community engagement regarding organics diversion.
Committees, Staffing		

Funding

Gas Tax Funding for Landfill Gas Extraction System.

Pursuing GHG emission offsets sale for
Landfill Gas Project.

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.

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)	No
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	Meter reader employee used an electric car to read meters.	Continue to use the electric car for reading meters.
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation	Continued with vehicle right-sizing.	Continue with vehicle right-sizing.
Employee Training, Awareness	Staged a two-week sustainable commuting challenge.	Continue with the sustainable commuting challenge.
Committees, Staffing		
Funding		

COMMUNITY-WIDE - Transportation

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction	1200 meters of bicycle lane construction was completed on Chilliwack Lake Road from Vedder Road to the City boundary. 1200 annual hours were added to the City's transit system (4% increase) to add additional early morning and late evening bus runs on the three most heavily used routes.	800 meters of bicycle lane is planned to be constructed on Sumas Prairie Road from Adams Road to the north side of a local Elementary School. Another 1200 annual hours will be added to early morning service hours so local transit riders can connect to the new regional transit service linking Chilliwack, Abbotsford and Langley. Named the Fraser Valley Express (FVX) this new service will begin April 6th, 2015.

Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation		
Community Education, Engagement	Promoted a two-week sustainable commuting challenge.	Continue with the sustainable commuting challenge.
Committees, Staffing		
Funding		Fraser Valley Express to be funded by BC transit, FVRD, City of Abbotsford, and the City of Chilliwack.

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.

Does your local government have water conservation policies, plans or programs?	Yes
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CORPORATE - Water and Wastewater

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		Continue with Phase 1 of upgrading the secondary treatment system at the WWTP to allow sludge flows to move by gravity throughout the plant, which will eventually eliminate the need for a pumping system. A new 500 KW mobile generator has been purchased. It is more energy efficient than the old generator and could help power up crucial City equipment such as the drinking water production wells in the event of a power outage.
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation		
Employee Training, Awareness		
Committees, Staffing		
Funding		

COMMUNITY-WIDE - Water and Wastewater

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		
Feasibility Studies, Research, Analysis	Conducted a water loss study for the water system to determine water losses.	
Plans, Policies, Regulations	Enforced summer watering restrictions.	Continue watering restrictions.
Policy Implementation	Took measures to reduce losses as per the water loss study.	Continue water conservation measures.
Community Education, Engagement	Issued rebates on low flush toilets and sold discounted home water conservation kits.	Continue water conservation measures.
Committees, Staffing		

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.

Has your local government begun to integrate the impacts of a changing climate (adaptation) into its planning and operations?	Yes
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		
Feasibility Studies, Research, Analysis		
Plans, Policies, Regulations		
Policy Implementation		
Employee Training, Awareness		
Committees, Staffing		
Funding		

COMMUNITY-WIDE - Other Climate Action

	Actions taken in 2014	Actions proposed for 2015
Physical Improvements, Construction		
Feasibility Studies, Research, Analysis		Plan to initiate Phase 1 of a research project that will assess the affect of climate change on the low flows of the Vedder River, which recharges the City's drinking water supply aquifer.
Plans, Policies, Regulations		
Policy Implementation		
Community Education, Engagement		
Committees, Staffing		
Funding		

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.

A Landfill Gas Management system was installed at the Bailey Landfill as part of a Design-Build Project. The main components consist of 19 vertical extraction wells, approximately 1,050 meters of horizontal collection trenches, a blower, and a flare station. All of these components work together to capture and flare landfill gas that would have previously been vented into the atmosphere, thus reducing methane emissions, which has a global warming potential 21 times greater than carbon dioxide.

Local Government Information

LOCAL GOVERNMENT INFORMATION

LOCAL GOVERNMENT INFORMATION Name of Local Government	Chilliwack, City of
LOCAL GOVERNMENT INFORMATION Name of member Regional District (RD)	Fraser Valley
LOCAL GOVERNMENT INFORMATION Regional Growth Strategy (RGS) in your region	Yes
LOCAL GOVERNMENT INFORMATION Population	50,000-99,999

Submitted by:

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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.