

# Climate Action Revenue Incentive Program (CARIP)

## Public Reporting

### Climate Actions Survey 2014

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March 6, 2015 – Maple Ridge has completed its 2014 Climate Actions Revenue Incentive Program (CARIP) public reporting survey. This is an annual requirement for the City as a signatory to BC’s Climate Action Charter. Survey responses are noted below.

#### 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 |                           |

| 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)? | Yes      |

## CORPORATE - Broad Planning

|   | Actions taken in 2014  | Actions proposed for 2015  |
|---|--|--|
| Feasibility Studies, Research, Analysis | Corporate GHG emissions inventory  | <ul style="list-style-type: none"> <li>•Corporate GHG emissions inventory</li> <li>•Business case and return on investment template to assist in decision-making for City energy efficiency projects</li> <li>•Pilot study for natural capital evaluation</li> </ul> |
| Plans, Policies, Regulations            | <ul style="list-style-type: none"> <li>•BC Hydro Energy Management Program</li> <li>•Strategic Energy Management Plan</li> <li>•Corporate Purchasing Policy</li> <li>•Corporate Financial Sustainability Policy</li> <li>•Sustainability Action Plan</li> </ul>  | <ul style="list-style-type: none"> <li>•BC Hydro Energy Management Program</li> <li>•Strategic Energy Management Plan</li> <li>•Corporate Purchasing Policy</li> <li>•Corporate Financial Sustainability Policy</li> <li>•Sustainability Action Plan</li> </ul>      |
| Policy Implementation                   |  |  |
| Employee Training, Awareness            | <ul style="list-style-type: none"> <li>•Green Team Initiatives:               <ul style="list-style-type: none"> <li>--Energy New Year resolutions</li> <li>--Quarterly Monitor Shutdown--</li> <li>Seasonal Conservation Tips/Heating awareness</li> <li>--“What’s WATT” online challenge</li> <li>--Stay Bright by Daylight Lights Out Challenge</li> <li>--Operations Centre custom reduction campaign</li> <li>--Leisure Centre custom energy reduction campaign</li> <li>--e-Day event: TurnLeaf Consulting presented a discussion on “Effective Social Change Strategies”; Green Team facilitated a fun Jeopardy game learning tool</li> <li>--Halloween Initiative                   <ul style="list-style-type: none"> <li>– Phantom Power</li> </ul> </li> </ul> </li> <li>•Ugly Sweater Day</li> <li>•National Sweater Day</li> <li>•Earth Hour Event</li> </ul> | <ul style="list-style-type: none"> <li>•Green Team Initiatives</li> <li>•National Ugly Sweater Day</li> <li>•Ugly Sweater Day</li> <li>•Earth Hour Event</li> <li>•Commuter Challenge</li> <li>•Ugly Sweater Day</li> </ul>  |

|                         |   |   |
|-------------------------|---|---|
| Committees,<br>Staffing | <ul style="list-style-type: none"> <li>•Bike to Work Week</li> <li>•Commuter Challenge</li> </ul>   |   |
|                         | <ul style="list-style-type: none"> <li>•Green Team Committee</li> <li>•Manager of Sustainability &amp; Corporate Planning</li> <li>•Manager of Development and Environmental Services-Approv Officer</li> <li>•Environmental Planner</li> <li>•Environmental Technicians</li> </ul> | <ul style="list-style-type: none"> <li>•Green Team Committee</li> <li>•Manager of Sustainability &amp; Corporate Planning</li> <li>•Manager of Development and Environmental Services-Approv Officer</li> <li>•Environmental Planner</li> <li>•Environmental Technicians</li> </ul> |
| Funding                 | <ul style="list-style-type: none"> <li>•CARIP funding</li> <li>•BC Hydro Energy Manager grant funding</li> <li>•BC Hydro Workplace Conservation Awareness funding</li> </ul>  | <ul style="list-style-type: none"> <li>•CARIP funding</li> <li>•BC Hydro Energy Manager grant funding</li> <li>•BC Hydro Workplace Conservation Awareness funding</li> </ul>  |

## COMMUNITY-WIDE - Broad Planning

Actions taken in 2014

Actions proposed for 2015

|   |   |   |
|---|---|---|
| Feasibility Studies, Research, Analysis |   |   |
| Plans, Policies, Regulations            | <ul style="list-style-type: none"> <li>•Environmental Management Strategy and implementation report presented to Council</li> <li>•OCP</li> </ul> | <ul style="list-style-type: none"> <li>•Environmental Strategies: <ul style="list-style-type: none"> <li>--Tree Bylaw update</li> <li>--Discussions around formation of Environmental Advisory Committee</li> <li>--Communications and Outreach Program for Environmental Processes</li> <li>--Soil Deposit Bylaw update</li> </ul> </li> <li>•OCP</li> </ul> |
| Policy Implementation                   |   | Environmental Strategy Implementation   |
| Community Education, Engagement         | Report energy consumption versus targets  | Report energy consumption versus targets  |
| Committees, Staffing                    |   | Discussion around the formation of Environmental Advisory Committee   |

|         |  |
|---------|--|
| 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.

| 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     | <ul style="list-style-type: none"> <li>• Complete upgrade to Hammond Park sportfield lighting</li> <li>• Modification of configuration logic at reservoir emergency generators</li> <li>• Lighting retrofits</li> </ul>  | <ul style="list-style-type: none"> <li>• Installation of energy efficient lighting at Greg Moore Youth Centre and 2nd floor gym at Leisure Centre</li> <li>• Lighting retrofits</li> </ul>  |
| Feasibility Studies, Research, Analysis | <ul style="list-style-type: none"> <li>• Audit Operations Centre occupancy lighting sensors with BC Hydro</li> <li>• Assess business case for Maple Ridge Business Centre parking lot lighting upgrade</li> <li>• Business Case for Leisure Centre pool high bay/and outside lighting</li> <li>• Reassess business case to investigate cost effectiveness of LED signage at the Leisure Centre and Library</li> <li>• Business case considering both HPS/LED lighting options for Abernethy Way widening</li> <li>• Research cost effective and energy efficient lighting technology</li> <li>• Research technologies that minimize</li> </ul> | <ul style="list-style-type: none"> <li>• Complete municipal facilities audit of occupancy lighting sensors. Liaise with BC Hydro and determine costs for implementation</li> <li>• Consideration of BC Hydro new construction program for Fire Hall No. 4</li> <li>• Maple Ridge Business Centre: Staff exploring BOMA Best certification</li> <li>• Maple Ridge Business Centre: exploration of upgrade to parkade lighting</li> <li>• Research cost effective and energy efficient lighting technology</li> <li>• Research technologies that minimize impacts and reduce carbon emissions,</li> </ul> |

|                              |   |  |
|------------------------------|---|--|
|                              | impacts and reduce carbon emissions, eg: directional drilling (trenchless) in lieu of open trench   | eg: directional drilling (trenchless) in lieu of open trench   |
| Plans, Policies, Regulations | <ul style="list-style-type: none"> <li>•Environmentally friendly practice expectations incorporated into janitorial contract RFP</li> <li>•Janitorial/maintenance staff schedule adjusted from 24 hours per day so that facility is now empty from 1:30 to 5:30 am resulting in a reduction in heating and lighting requirements</li> </ul> | Discussions for next RFP/agreement, janitorial/maintenance the inclusion of energy savings checklist |
| Policy Implementation        |   |  |
| Employee Training, Awareness |   |  |
| Committees, Staffing         |   |  |
| Funding                      |   |  |

## COMMUNITY-WIDE - Buildings

|   | Actions taken in 2014  | Actions proposed for 2015  |
|---|--|--|
| Physical Improvements, Construction     | Installation of automated low flow washroom devices at various locations   | Installation of automated low flow washroom devices at various locations   |
| Feasibility Studies, Research, Analysis | LED Streetlight new development pilot project  | Complete LED Street Light new development pilot project and report to Council  |
| Plans, Policies, Regulations            |  |  |
| Policy Implementation                   |  |  |
| Community Education, Engagement         | <ul style="list-style-type: none"> <li>•Promote increased density in the Town Centre</li> <li>•Twice yearly Builders Forums</li> </ul> | <ul style="list-style-type: none"> <li>•Promote increased density in the Town Centre</li> <li>•Twice yearly Builders Forums</li> </ul> |
| Committees, Staffing                    |  |  |
| Funding                                 | •Extended commercial portion of the Town Centre Investment Incentive   | •Extended commercial portion of the Town Centre Investment Incentive   |

Program to attract and commercial construction and encourage and support the use of environmentally sustainable building construction methods and materials, and to encourage energy efficiencies and alternative technologies

- Launch Employment Land Investment Incentive program supporting private investment in commercial and industrial construction and renovation projects on identified "employment lands", and encourage and support the use of environmentally sustainable building construction methods and materials, and to encourage energy efficiencies and alternative technologies.
- LiveSmart program

Program to attract and commercial construction and encourage and support the use of environmentally sustainable building construction methods and materials, and to encourage energy efficiencies and alternative technologies

- Launch Employment Land Investment Incentive program supporting private investment in commercial and industrial construction and renovation projects on identified "employment lands", and encourage and support the use of environmentally sustainable building construction methods and materials, and to encourage energy efficiencies and alternative technologies.

## 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? ( <a href="http://www.toolkit.bc.ca/tool/integrated-resource-recovery-irr">http://www.toolkit.bc.ca/tool/integrated-resource-recovery-irr</a> ) | No       |

## CORPORATE - Energy Generation

|                                     | 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 - 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                                 | <ul style="list-style-type: none"> <li>•Extended commercial portion of the Town Centre Investment Incentive Program to attract and commercial construction and encourage and support the use of environmentally sustainable building construction methods and materials, and to encourage energy efficiencies and alternative technologies</li> <li>•Launch Employment Land Investment Incentive program supporting private investment in commercial and industrial construction and renovation projects on identified "employment lands", and encourage and support the use of</li> </ul> | <ul style="list-style-type: none"> <li>•Extended commercial portion of the Town Centre Investment Incentive Program to attract and commercial construction and encourage and support the use of environmentally sustainable building construction methods and materials, and to encourage energy efficiencies and alternative technologies</li> <li>•Launch Employment Land Investment Incentive program supporting private investment in commercial and industrial construction and renovation projects on identified "employment lands", and encourage and support the use of</li> </ul> |

environmentally sustainable building construction methods and materials, and to encourage energy efficiencies and alternative technologies.

environmentally sustainable building construction methods and materials, and to encourage energy efficiencies and alternative technologies.

## 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? | No       |

## COMMUNITY-WIDE - Greenspace

|   | Actions taken in 2014  | Actions proposed for 2015   |
|---|--|---|
| Physical Improvements, Construction     | <ul style="list-style-type: none"> <li>•Creation/management of parks</li> <li>•Tree and shrub plantings</li> <li>•Acquisition of greenbelt and park space areas</li> <li>•Install new bear resistant garbage cans in parks wildlife interface areas</li> <li>•Complete upgrade to Hammond Park sports field to more energy efficient lighting</li> <li>•Communities in Bloom Award winner</li> </ul> | <ul style="list-style-type: none"> <li>•Creation/management of parks</li> <li>•Tree and shrub plantings</li> <li>•Acquisition of greenbelt and park space areas</li> <li>•Implementation of more environmentally friendly design for trail bridge foundations, through use of gabion baskets vs cast in place concrete</li> <li>•Re-use spoil materials from baseball diamond grooming/maintenance to expand the BMX track work and resurface designated dog off-leash areas</li> </ul> |
| Feasibility Studies, Research, Analysis | <ul style="list-style-type: none"> <li>•Support development of a community garden plan and garden asset map</li> </ul>   | <ul style="list-style-type: none"> <li>•Inventory program for trees on municipal lands</li> <li>•Continue to look for opportunities to</li> </ul>   |

|                                 |  |  |
|---------------------------------|--|--|
|                                 | <ul style="list-style-type: none"> <li>•Continue to look for opportunities to reuse materials, in particular to reutilize soil burden in park construction, reducing costs to export materials off site</li> </ul>   | <ul style="list-style-type: none"> <li>reuse materials, in particular to reutilize soil burden in park construction, reducing costs to export materials off site</li> </ul>  |
| Plans, Policies, Regulations    | <ul style="list-style-type: none"> <li>•With local community groups, develop programs and projects to preserve and enhance natural assets</li> <li>•Protect environmentally sensitive areas through dedication or covenant</li> <li>•Noxious Weed Strategy completed</li> <li>•Inventory of noxious weeds completed</li> </ul> | <ul style="list-style-type: none"> <li>•Revise Tree bylaw</li> <li>•With local community groups, develop programs and projects to preserve and enhance natural assets</li> <li>•Protect environmentally sensitive areas through dedication or covenant</li> <li>•Ongoing monitor and treatment of noxious weeds</li> <li>•Restoration projects underway for species at risk</li> </ul> |
| Policy Implementation           | Park Acquisition Policy  | Park Acquisition Policy  |
| Community Education, Engagement | <ul style="list-style-type: none"> <li>•Bear Aware program</li> <li>•Arbor Day Tree planting.</li> </ul>   | <ul style="list-style-type: none"> <li>•Begin process for second intergenerational garden planned for 2016</li> <li>•Bear Aware program</li> <li>•Arbor Day Tree planting</li> </ul>   |
| Committees, Staffing            |  | Volunteers from BCIT   |
| Funding                         | TD Trees Days  | <ul style="list-style-type: none"> <li>•TD Trees Days</li> <li>•Community Grant Program-Tire Stewardship BC</li> <li>•Stewardship Centre of BC</li> </ul>  |

## 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?

No

## CORPORATE - Solid Waste

|   | Actions taken in 2014  | Actions proposed for 2015  |
|---|--|--|
| Physical Improvements, Construction     |  |  |
| Feasibility Studies, Research, Analysis |  |  |
| Plans, Policies, Regulations            |  |  |
| Policy Implementation                   |  |  |
| Employee Training, Awareness            | <ul style="list-style-type: none"> <li>•Corporate Recycling program</li> <li>•Corporate composting program</li> <li>•Recycling surplus electronic equipment</li> </ul> | <ul style="list-style-type: none"> <li>•Corporate Recycling program</li> <li>•Corporate composting program</li> <li>•Recycling surplus electronic equipment</li> </ul> |
| Committees, Staffing                    |  |  |
| Funding                                 |  |  |

## COMMUNITY-WIDE - Solid Waste

|   | Actions taken in 2014  | Actions proposed for 2015   |
|---|--|---|
| Physical Improvements, Construction     | Bottle and can recycling baskets installed in community and city parks                                       | Bottle and can recycling baskets installed in community and city parks  |
| Feasibility Studies, Research, Analysis | Work towards options for a Curbside Yard Waste/Kitchen Waste pickup program                                  | Work towards options for a Curbside Yard Waste/Kitchen Waste pickup program   |
| Plans, Policies, Regulations            | Revise Solid Waste Bylaw to include Metro Vancouver's upcoming ban on organic material in the garbage stream | <ul style="list-style-type: none"> <li>•Complete Solid Waste Bylaw revision to include Metro Vancouver's upcoming ban on organic material in the garbage stream</li> <li>•Expand solid waste Garbage &amp;</li> </ul> |

|                                 |  |   |
|---------------------------------|--|---|
|                                 |  | Recycling regulations bylaw to include commercial properties  |
| Policy Implementation           | Ridge Meadows Recycling Society implementation of new Recycling Regulations EPR program for Printed Paper & Packaging (PPP)  |   |
| Community Education, Engagement | <ul style="list-style-type: none"> <li>•Education and information on PPP program</li> <li>•Develop framework to include commercial properties into the property tax structure for commercial recycling services</li> <li>•Recycling education/outreach programs</li> <li>•Advocate for increased diversion of recyclable and compostable commodities with Metro Vancouver Waste Management staff</li> <li>•Work towards 'zero waste'- implement "Strive for 75"</li> <li>•Twice yearly Brush Chipping Program</li> <li>•Expand Recycling pick up services</li> </ul> | <ul style="list-style-type: none"> <li>•Deliver education and information on PPP program</li> <li>•Promote depot operations: ad campaign for new EPR products and items accepted at the Depot. Provide education on the new Regional Banned items, new EPR programs &amp; Organics recycling options</li> <li>•Recycling education/outreach programs</li> <li>•Advocate for increased diversion of recyclable and compostable commodities with Metro Vancouver Waste Management staff</li> <li>•Work towards 'zero waste'- implement "Strive for 75"</li> <li>•Twice yearly Brush Chipping Program</li> <li>•Expand Recycling pick up services</li> </ul> |
| Committees, Staffing            |  |   |
| Funding                         |  |   |

## 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? ( <a href="http://www.toolkit.bc.ca/resource/transportation-demand-management-small-and-mid-sized-communities-toolkit">http://www.toolkit.bc.ca/resource/transportation-demand-management-small-and-mid-sized-communities-toolkit</a> ) | 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     | <ul style="list-style-type: none"> <li>•Add electric and hybrid vehicles to the City's Fleet</li> <li>•Fire Department: Changed the responding apparatus to medical calls from the Rescue Truck to the Utility Truck (pick-up truck) resulting in a significant savings in fuel consumption and maintenance on the larger Rescue apparatus.</li> </ul> | Add electric and hybrid vehicles to the City's Fleet                                     |
| Feasibility Studies, Research, Analysis | Fleet review of rates, revenues and efficiencies   | Fleet review of rates, revenues and efficiencies   |
| Plans, Policies, Regulations            |  |  |
| Policy Implementation                   |  |  |
| Employee Training, Awareness            | Promote use of pedal bikes in Youth Services as an alternative to using a fleet vehicle.   | Promote use of pedal bikes in Youth Services as an alternative to using a fleet vehicle. |
| Committees, Staffing                    |  |  |
| Funding                                 |  |  |

## COMMUNITY-WIDE - Transportation

|          | Actions taken in 2014                 | Actions proposed for 2015             |
|----------|---------------------------------------|---------------------------------------|
| Physical | Discussions with TransLink to develop | Discussions with TransLink to develop |

|   |  |   |
|---|--|---|
| Improvements, Construction              | improved transit solutions   | improved transit solutions  |
| Feasibility Studies, Research, Analysis | Infrastructure condition assessment strategies for Road, Storm, Sanitary and Water assets.   |   |
| Plans, Policies, Regulations            | <ul style="list-style-type: none"> <li>•Completed Master Transportation Plan update</li> <li>•Continue to enhance transportation network to facilitate all modes of transportation through provision of bike lanes, sidewalks, road improvements</li> </ul>                      | <ul style="list-style-type: none"> <li>•Implementation strategy for updated Transportation Plan</li> <li>•Continue to enhance transportation network to facilitate all modes of transportation through provision of bike lanes, sidewalks, road improvements</li> </ul> |
| Policy Implementation                   |  |   |
| Community Education, Engagement         |  |   |
| Committees, Staffing                    |  |   |
| Funding                                 | <ul style="list-style-type: none"> <li>•Bike BC</li> <li>•Provincial Cycling Investment Program</li> <li>•TD Trees Days</li> <li>•Extended commercial portion of the City's Town Centre Investment Incentive Program to concentrate density closer to transit options</li> </ul> | Extend commercial portion of the City's Town Centre Investment Incentive Program to concentrate density closer to transit options   |

## 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? |          |

## CORPORATE - Water and Wastewater

|   | Actions taken in 2014  | Actions proposed for 2015  |
|---|--|--|
| Physical Improvements, Construction     | Upgrades to 248 St. pump station   | <ul style="list-style-type: none"> <li>•Upgrades to 248 St. pump station</li> <li>•Installation of centralized computerized irrigation system</li> </ul> |
| Feasibility Studies, Research, Analysis | Infrastructure condition assessment strategies for Road, Storm, Sanitary and Water assets. | 225 St pump station assessment   |
| 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     | Aquifer signage  | <ul style="list-style-type: none"> <li>•Aquifer signage</li> <li>•Watercourse signage and outreach program</li> </ul>  |
| Feasibility Studies, Research, Analysis |  |  |
| Plans, Policies, Regulations            | Stream mapping project update                                      | Stream mapping project update  |
| Policy Implementation                   |  |  |
| Community Education, Engagement         | Season specific sprinkling regulation notices in the local paperr. | <ul style="list-style-type: none"> <li>•Season specific sprinkling regulation notices in the local paper</li> <li>•Watercourse signage and outreach program</li> </ul> |
| Committees, Staffing                    |  |  |
| Funding                                 | Low Flow Toilet Rebate Program                                     | Low Flow Toilet Rebate Program   |

## 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?  | Yes      |
| Are you aware of the climate change adaptation guidance page on the BC Climate Action Toolkit? ( <a href="http://www.toolkit.bc.ca/adaptation-challenges-and-opportunities">http://www.toolkit.bc.ca/adaptation-challenges-and-opportunities</a> ) | Yes      |

## CORPORATE - Other Climate Action

|   | Actions taken in 2014   | Actions proposed for 2015   |
|---|---|---|
| Physical Improvements, Construction     | <ul style="list-style-type: none"> <li>•Improve Citrix and thin client infrastructure to deliver further efficiencies in reduced administrative burden, hardware costs and energy consumption</li> <li>•Virtual servers</li> <li>•Create/implement electronic fillable forms (e.g. direct deposit form, pension enrolment form, new hire personal information form, respectful workplace declaration form) for staff</li> </ul> | <ul style="list-style-type: none"> <li>•Fire Department: Implement new software to create electronic records directly into the database reducing our reliance on paper forms</li> <li>•Improve Citrix and thin client infrastructure to deliver further efficiencies in reduced administrative burden, hardware costs and energy consumption</li> <li>•Virtual servers</li> </ul> |
| Feasibility Studies, Research, Analysis | RCMP: Pilot electronic version of JUSTIN system for Crown Counsel reports. Information is sent electronically, rather than in paper format.   |   |
| Plans, Policies, Regulations            | <ul style="list-style-type: none"> <li>•Safety inspection program moved to paperless, web-based system</li> <li>•GHG emissions reporting in alignment with provincial requirements</li> <li>•Climate Action Program</li> </ul>  | <ul style="list-style-type: none"> <li>•Soil Deposit Bylaw update</li> <li>•GHG emissions reporting in alignment with provincial requirements</li> <li>•Climate Action Program</li> <li>•Mexico City Pact</li> </ul>  |

|                              |   |  |
|------------------------------|---|--|
|                              | <ul style="list-style-type: none"> <li>•Mexico City Pact</li> <li>•Partners for Climate Protection (PCP) program</li> </ul> | <ul style="list-style-type: none"> <li>•Partners for Climate Protection (PCP) program</li> </ul> |
| 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 |   |   |
| Plans, Policies, Regulations            | Agricultural Plan   | Agricultural Plan   |
| Policy Implementation                   |   |   |
| Community Education, Engagement         | <ul style="list-style-type: none"> <li>•With community partners provide education and promote awareness of gardening opportunities and the importance of agriculture and eating locally</li> <li>•Haney Farmers Market</li> <li>•Earth Day event</li> <li>•Golden Harvest</li> <li>•School Neighbourhood Garden Initiatives</li> <li>•Climate Smart's 'Smart Business Program'</li> <li>•Country Fest</li> <li>•Front Yard Food Garden Contest</li> <li>•True North Fraser Brand for local</li> </ul> | <ul style="list-style-type: none"> <li>•With community partners provide education and promote awareness of gardening opportunities and the importance of agriculture and eating locally</li> <li>•Haney Farmers Market</li> <li>•Earth Day event</li> <li>•Golden Harvest</li> <li>•School Neighbourhood Garden Initiatives</li> <li>•Climate Smart's 'Smart Business Program'</li> <li>•Country Fest</li> <li>•Front Yard Food Garden Contest</li> <li>•True North Fraser Brand for local</li> </ul> |

|                                    |  |  |
|------------------------------------|--|--|
| Committees,<br>Staffing<br>Funding | farm sales and local web-based producers                       | farm sales and local web-based producers                       |
|                                    | •Agricultural Advisory Committee<br>Educational Speaker Series | •Agricultural Advisory Committee<br>Educational Speaker Series |
|                                    | Agricultural Committee   | Agricultural Committee   |
|                                    |  |  |

## 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

| Variable   | Response  |
|--|---|
| LOCAL GOVERNMENT INFORMATION   Name of Local Government                      | Maple Ridge, The Corporation of the District of |
| LOCAL GOVERNMENT INFORMATION   Name of member Regional District (RD)         | Greater Vancouver (Metro)                       |
| LOCAL GOVERNMENT INFORMATION   Regional Growth Strategy (RGS) in your region | Yes   |
| LOCAL GOVERNMENT INFORMATION   Population                                    | 50,000-99,999                                   |

## Submitted by:

| Variable                                | Response                |
|---|-------------------------|
| Submitted by:   Name                    | Jacquie Bergmann        |
| Submitted by:   Position                | Research Technician     |
| Submitted by:   Email                   | jbergmann@mapleridge.ca |
| Submitted by:   Telephone # (ten digit) | 604-463-5221            |

**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.

Neutral

**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.**