

Climate Action Revenue Incentive (CARIP) Public Report for 2012

District of Maple Ridge

Metro Vancouver

Reported by

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General Information

Name of Local Government

District of Maple Ridge

Member of Regional District (RD)

Metro Vancouver

Regional Growth Strategy (RGS) in region

Yes

Population

76,052

Community-Wide Actions for 2012

1.1 Measure

Community-Wide Measurement Actions

Question	Have you been using the <i>Community Energy and Emissions Inventory (CEEI)</i> to measure progress? What else have you been using instead of/in addition to CEEI?
Answer	Yes
Additional Information	The District of Maple Ridge is planning to develop a Community Energy and Emissions Plan to be completed by December 2013.

1.2 Plan

Community-Wide Targets

Question	Do your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the <i>Local Governments Act (LGA)</i> ? If yes, please identify the targets set. If no or in progress, please comment.
Answer	Yes
Additional Information	The District's OCP, Section 5.6, Policy 5-45 states "The District of Maple Ridge has a goal to reduce community greenhouse gas emissions by 33% below 2007 levels by 2020 and 80% by 2050".

1.3 Reduce

Supportive Community-Wide Actions

Action Type	Broad Planning (e.g. creation/revision of OCPs, CEPs, transportation plans)
Actions Taken this Year	<ul style="list-style-type: none"> • Continued discussions with TransLink to develop improved transit solutions for our community. • Began work to update the Maple Ridge Transportation Plan.
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continue discussions with TransLink to develop improved transit solutions for our community. • Complete update of the Maple Ridge Transportation Plan. • Host "What if Your House Had an Energy Bill of Zero" discussion where local experts will lead a discussion about a the possibility of a community scale home retrofit project in Maple Ridge.

Action Type	Building and Lighting (e.g. developed green building policy, increased density in the downtown)
Actions Taken this Year	<ul style="list-style-type: none"> • Continued to promote increased density in the town centre. • Issued Request for Expression of Interest for sale of site purchased in 2011, to encourage building of mixed use, residential/commercial, in the town centre.
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continue to promote increased density in the town centre. • Issue Request for Proposal for sale of site purchased in 2011, to encourage building of mixed use, residential/commercial, in the town centre.

Action Type	Energy Generation (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)
Actions Taken this Year	<ul style="list-style-type: none"> • Completed Building Bylaw amendments to Council and implemented Solar Hot Water Ready initiatives.
Proposed Actions for Next Year	<i>nil</i>

Action Type	Green Space (e.g. developed urban forestry policy, adopted park acquisition policy)
Actions Taken this Year	<ul style="list-style-type: none"> • <i>Continued support of Park Acquisition Policy.</i>
Proposed Actions for Next Year	<ul style="list-style-type: none"> • <i>Continue to support Park Acquisition Policy.</i>

Action Type	Transportation (e.g. developed sustainable transportation plan, completed bicycle master plan)
Actions Taken this Year	<ul style="list-style-type: none"> • <i>Continued discussions with TransLink to develop improved transit solutions for Maple Ridge.</i> • <i>Successful Grant application for installation of eight Electric Vehicle Charging Stations.</i>
Proposed Actions for Next Year	<ul style="list-style-type: none"> • <i>Continue discussions with TransLink to develop improved transit solutions for Maple Ridge.</i> • <i>Installation of eight Electric Vehicle Charging Stations.</i>

Action Type	Waste (e.g. introduced composting and recycling education programs)
Actions Taken this Year	<ul style="list-style-type: none"> • <i>Continued Recycling education/outreach programs.</i> • <i>Continued to advocate for increased diversion of recyclable and compostable commodities with Metro Vancouver Waste Management staff.</i>
Proposed Actions for Next Year	<ul style="list-style-type: none"> • <i>Continue with Recycling education/outreach programs.</i> • <i>Continue to advocate for increased diversion of recyclable and compostable commodities with Metro Vancouver Waste Management staff.</i>

Action Type	Water/Sewer (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)
Actions Taken this Year	<ul style="list-style-type: none"> • <i>Continued to support Low Flow Toilet Rebate Program.</i> • <i>Continued publication of season specific notices in the local paper regarding sprinkling regulations.</i>
Proposed Actions for Next Year	<ul style="list-style-type: none"> • <i>Continue to support Low Flow Toilet Rebate Program.</i> • <i>Continue to publish season specific notices in the local paper regarding sprinkling regulations.</i>

Action Type	Other Actions
Actions Taken this Year	<ul style="list-style-type: none"> • <i>Continued promotion of Climate Smart's 'Smart Business Program'.</i> • <i>Continued to support and participate in the Mexico City Pact.</i> • <i>Promoted, supported and hosted EarthDay event.</i> • <i>Expanded environmental education throughout all District Community Services programs and special events. Themes such as composting and crafts related to environmental education hosted at a number of community events and festivals.</i> • <i>Worked with community partners to continue to provide education and to promote awareness of gardening opportunities and the importance of agriculture and eating locally.</i>
Proposed Actions for Next Year	<ul style="list-style-type: none"> • <i>Continue to promote Climate Smart's 'Smart Business Program'.</i> • <i>Continue to support and participate in the Mexico City Pact.</i> • <i>Promote, support and host EarthDay event.</i> • <i>Continue to expand environmental education throughout all District Community Services programs and special events. Themes such as composting and crafts related to environmental education hosted at a number of community events and festivals.</i> • <i>Continue to work with community partners to continue to provide education and to promote awareness of gardening opportunities and the importance of agriculture and eating locally.</i>

Direct Community-Wide Actions

Action Type	Buildings (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)
Actions Taken this Year	<ul style="list-style-type: none"> • Continued to support Town Centre Investment Incentive Program to attract residential 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. • Hosted twice-yearly Builders Forums which include the dissemination of information on energy efficiency and green building technology.
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continued support of Town Centre Investment Incentive Program to attract residential 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. • Continue to host twice yearly Builders Forums which include the dissemination of information on energy efficiency and green building technology. • Develop a business case model for energy efficiency in multi-family and mixed use developments (contingent upon grant funding - application in progress).

Action Type	Energy Generation (e.g. implement district energy, geothermal, solar)
Actions Taken this Year	<ul style="list-style-type: none"> • Completed building bylaw amendments and implemented Solar Hot Water Ready Initiatives. • Continued promotion of the Town Centre Investment Incentive Program to encourage development that uses alternate/renewable energy, including solar, wind, water, geothermal and biomass.
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continue to promote the Town Centre Investment Incentive Program to encourage development that uses alternate/renewable energy, including solar, wind, water, geothermal and biomass.

Action Type	Transportation (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)
Actions Taken this Year	<ul style="list-style-type: none"> • <i>Construction of new bike lanes.</i> • <i>Continued promotion of the District's Town Centre Investment Incentive Program to concentrate density closer to transit options.</i> • <i>Began work to update the Maple Ridge Transportation Plan.</i> • <i>Organize joint meeting with Bicycle Advisory Committee, Tourism BC, and Slow Food Cycle tour to organize a Bike/Garden Tour.</i>
Proposed Actions for Next Year	<ul style="list-style-type: none"> • <i>Construction of new bike lanes.</i> • <i>Continue to promote the District's Town Centre Investment Incentive Program to concentrate density closer to transit options.</i> • <i>Complete update of the Maple Ridge Transportation Plan.</i>

Action Type	Waste (e.g. introduce composting and recycling programs)
Actions Taken this Year	<ul style="list-style-type: none"> • <i>Continued to work towards pickup program by Recycling for foodscraps/yard trimmings.</i> • <i>Continued to expand Recycling pick up services further east.</i> • <i>Continued to expand number of business involved in the Recycling Program.</i> • <i>Continued to work towards 'zero waste'-implement "Strive for 75".</i> • <i>Continued with Recycling education/outreach programs.</i> • <i>Continued twice yearly Brush Chipping Program.</i> • <i>Continued promotion of expanded Recycling Depot operations.</i> • <i>Continued development of framework to include commercial properties into the property tax structure for commercial recycling services.</i> • <i>Developed pilot recycling program at Memorial Peace Park.</i>
Proposed Actions for Next Year	<ul style="list-style-type: none"> • <i>Continue to work towards pickup program by Recycling for food scraps/yard trimmings.</i> • <i>Continue to expand Recycling pick up services further east.</i> • <i>Continue to expand number of business involved in the Recycling Program.</i> • <i>Continue to work towards 'zero waste'-implement "Strive for 75".</i> • <i>Continue with Recycling education/outreach programs.</i> • <i>Continue with twice yearly Brush Chipping Program.</i> • <i>Continue to promote expanded Recycling Depot operations.</i> • <i>Continue to develop framework to include commercial properties into the property tax structure for commercial recycling services.</i> • <i>Implement pilot recycling program at Memorial Peace Park.</i>

Action Type	Water/Sewer (e.g. implement water conservation and reduction initiatives)
Actions Taken this Year	<ul style="list-style-type: none"> • Continued to offer Low Flow Toilet Rebate Program. • Continued publication of season specific notices in the local paper regarding sprinkling regulations. • Continued to update of stream mapping project.
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continue to offer Low Flow Toilet Rebate Program. • Continue publishing season specific notices in the local paper regarding sprinkling regulations. • Continue to update stream mapping project.

Action Type	Green Space (e.g. plant trees, conserve forest etc.)
Actions Taken this Year	<ul style="list-style-type: none"> • Implemented Bear Aware program. • Hosted Arbor Day Tree planting. • Completed 2012 Tree Replacement program. • Continued development of programs and projects to preserve and enhance the natural assets of Maple Ridge with local community groups. • Continued protection of environmentally sensitive areas through dedication or covenant. • New Parks: <ul style="list-style-type: none"> -Webster's Corners Park opened June 23. -Haney Nokai Park opened October 27. • Coordinated BC Hydro greening tree replacement program. • Requested Council endorsement of concept plan for the Experience the Fraser program.
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continue to support Bear Aware program. • Continue to host Arbor Day Tree planting. • Continue to develop programs and projects to preserve and enhance the natural assets of Maple Ridge with local community groups. • Continue to protect environmentally sensitive areas through dedication or covenant. • New Park: MacLean Park, scheduled for opening spring 2013. • Development of Greg Moore Trail. • Continue to coordinate BC Hydro greening tree replacement program. • Maple Ridge to Pitt Meadows trail connection (under Golden Ears Bridge).

Action Type	Other Actions
Actions Taken this Year	<ul style="list-style-type: none"> • <i>Promoted Haney Farmers Market events.</i> • <i>Promoted Golden Harvest event.</i> • <i>Continued to expand and support School Neighbourhood Garden Initiatives.</i>
Proposed Actions for Next Year	<ul style="list-style-type: none"> • <i>Promote Haney Farmers Market events.</i> • <i>Promote Golden Harvest event.</i> • <i>Continue to expand and support School Neighbourhood Garden Initiatives.</i> • <i>Work with community partners to create a community wide campaign to promote healthy eating.</i> • <i>Implement process for engaging youth to be active in their neighbourhood.</i>

Corporate Actions for 2012

2.1 Measure

Corporate Measurement Actions

Question	What steps has your local government taken toward completing its corporate emissions inventory (e.g. corporate assets identified related to energy and fuel data and calculated GHG emissions from energy use)?
Answer	<i>Corporate energy and emissions inventories have been completed for 2007, 2008, 2009, 2010, 2011, and 2012 (Interim).</i>

Question	What tool are you using to measure, track and report on your corporate emissions (e.g. SMARTtool, other tools including excel spreadsheets)?
Answer	<i>SMARTTool. In Fall of 2012, the District of Maple Ridge signed up for the province's SMARTTool program to help us measure our GHG emissions.</i>

2.2 Reduce

Supportive Corporate Actions

Action Type	Broad Planning (e.g. <i>developed corporate climate action plan</i>)
Actions Taken this Year	<ul style="list-style-type: none">• <i>Continued implementation of Workplace Conservation Awareness Program.</i>• <i>Continued to update Strategic Energy Management Plan.</i>• <i>Completed Energy Manager (BCH) Year 2 work plan.</i>
Proposed Actions for Next Year	<ul style="list-style-type: none">• <i>Continue to implement Workplace Conservation Awareness Program.</i>• <i>Continue to update Strategic Energy Management Plan.</i>• <i>Support and participate in BC Hydro Energy Management Program for year 3 work plan.</i>

Action Type	Building and Lighting (e.g. <i>developed energy reduction plan for all corporate buildings</i>)
Actions Taken this Year	<ul style="list-style-type: none"> • <i>Promoted and participated in Earth Hour Event.</i> • <i>Reported out/published energy consumption versus targets.</i>
Proposed Actions for Next Year	<ul style="list-style-type: none"> • <i>Promote and participate in Earth Hour Event.</i> • <i>Report out/publish energy consumption versus targets.</i> • <i>Upgrade street/pathway lighting in Memorial Peace Park to LED.</i> • <i>Upgrade Hammond Park sportfield lighting to more energy efficient lighting.</i>

Action Type	Water/Sewer (e.g. <i>completed study of sewer and water energy use</i>)
Actions Taken this Year	<ul style="list-style-type: none"> • <i>248 Street and 225 Street electrical Pump Study proposed actions to be reviewed. 225 Street pump station proposed actions not being pursued at this time.</i>
Proposed Actions for Next Year	<ul style="list-style-type: none"> • <i>248 Street Pump station proposed actions being reviewed for possible implementation.</i>

Direct Corporate Actions

Action Type	Building and Lighting (e.g. energy efficiency retrofits to municipal buildings)
Actions Taken this Year	<ul style="list-style-type: none"> • Continued to search for the right lighting technology that will be cost effective and energy efficient for the District's street lights. • Investigated whether making the change to LED signage at the Leisure Centre and Library is cost effective. Cost is prohibitive; signs were not replaced. • Installed additional occupancy sensors in Municipal Hall and Operations Building. • Audit of municipal facilities for occupancy lighting sensors with BC Hydro assistance.
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continue to search for the right lighting technology that will be cost effective and energy efficient for the District's street lights. • Report to update Council on LED pilot project at Abernethy and 224 Street, and to request Council endorsement to further research this technology's viability. • Investigate lighting upgrades for the Leisure Centre and Operations Centre. • Complete audit of municipal facilities for occupancy lighting sensors with BC Hydro assistance.

Action Type	Fleet (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)
Actions Taken this Year	<ul style="list-style-type: none"> • Continued to add hybrid vehicles to the District's Fleet. • Documentation and review of the trial period of use of the electrical vehicle created by staff. • Continue to use and promote use of pedal bikes in Youth Services as an alternative to using a fleet vehicle. • Researched and concluded that electric bikes are not viable as staff transportation to Action Parks or local youth initiated events. • Began review of parks fleet costs to determine efficiency and effectiveness of equipment.
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Add hybrid/electric vehicles to the District's Fleet. • Continue to use and promote use of pedal bikes in Youth Services as an alternative to using a fleet vehicle. • Complete review of Parks Dept fleet costs to determine efficiency and effectiveness of equipment.

Action Type	Waste (e.g. introduction of composting and recycling programs and education)
Actions Taken this Year	<ul style="list-style-type: none"> • Continued corporate Recycling program. • Continued corporate composting program. • Lessons learned from investigations on potential recycling programs in parks were applied to initiatives for 2012. • Continued to recycle surplus electronic equipment.
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continue corporate Recycling program. • Continue corporate composting program. • Continue to recycle surplus electronic equipment. • Process improvement review of centralized services, ie, switchboard/information desk, mail and stationary, to identify efficiencies and sustainability improvements.

Action Type	Water/Sewer (e.g. initiated water conservation and reduction initiatives)
Actions Taken this Year	<ul style="list-style-type: none"> • Upgraded park washroom fixtures to low-flow devices. • Development of specification for installation of computerized irrigation control system with rain sensors to minimize water consumption.
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Request for Purchase for installation of computerized irrigation control system with rain sensors to minimize water consumption. • Replace boiler at Hammond Outdoor Pool.

Action Type	Green Space (e.g. planting of trees)
Actions Taken this Year	<ul style="list-style-type: none"> • Continued with tribute tree planting program at cemetery sites. • Acquisition of greenbelt and park space areas. • Continued with update of stream mapping project. • Installation of aquifer signage.
Proposed Actions for Next Year	<ul style="list-style-type: none"> • Continue with tribute tree planting program at cemetery sites. • Acquisition of greenbelt and park space areas. • Continue with update of stream mapping project.

Action Type	Other Actions
Actions Taken this Year	<ul style="list-style-type: none"> • <i>Developed and implemented a paperless agenda solution for Council.</i> • <i>Reviewed and implemented new process for preparing Commission agenda packages.</i> • <i>Hosted energy education session and learning booth at staff eDay in partnership with Fortis and BC Hydro.</i> • <i>Changed our courier services to an environmentally friendly courier company.</i> • <i>Changed to use organic, environmentally friendly ice melter for walkways.</i>
Proposed Actions for Next Year	<ul style="list-style-type: none"> • <i>Purchase energy efficient photocopiers for District-wide implementation.</i>

Carbon Neutral Progress Reporting - FINAL

Tonnes CO2e

Annual corporate emissions using SMARTTool	2075
<i>Emissions from services delivered directly by the local government</i>	2049
<i>Emissions from contracted services</i>	26