



Performance Reporting Scorecard

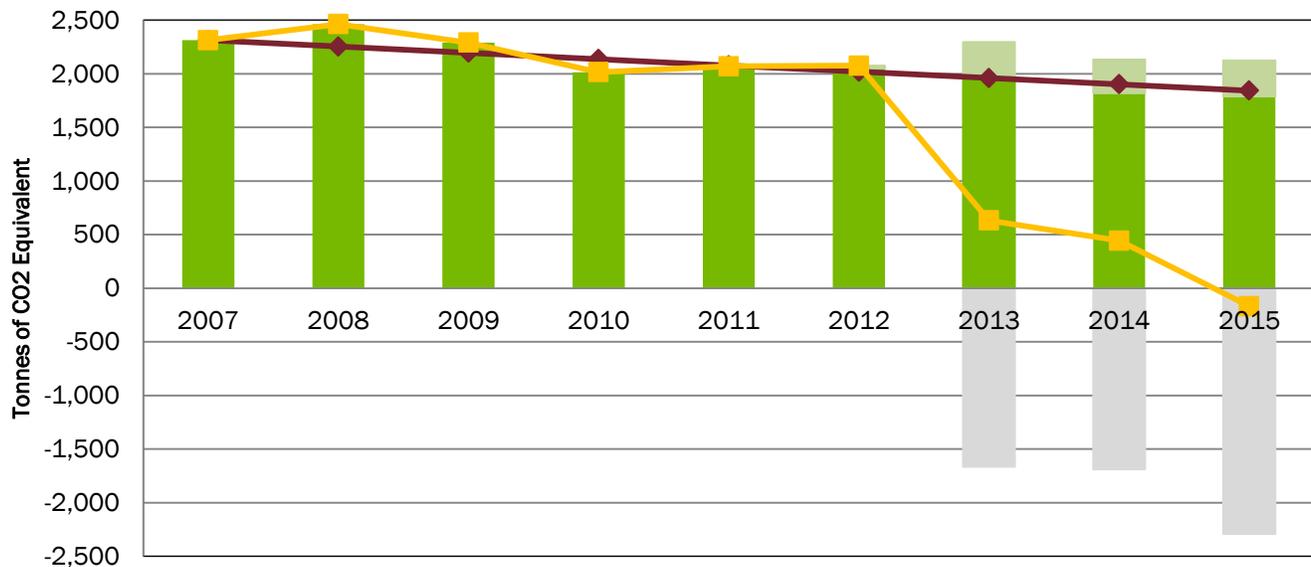
Focus Area: Environment

Corporate GHG Emissions

Measure: Tonnes of CO2 equivalent

Target	Overview
Maple Ridge has committed to reducing our corporate GHG emissions 33% by 2020 and 80% by 2050 from 2007 levels.	<p>GHG emissions are produced when we operate municipal cars, fire trucks, street sweepers and lawn mowers, light up sports fields, municipal hall and streetlights and heat municipal swimming pools and municipal buildings.</p> <p>Measuring our progress is an important part of ensuring reduction of energy consumption and the corresponding greenhouse gases through maintenance, procedural, mechanical and behavioural changes as we work towards becoming carbon neutral.</p>

Corporate GHG Emissions Activity



	2010	2011	2012	2013	2014	2015
Target	2,136	2,077	2,019	1,960	1,901	1,842
Tonnes of GHG Emissions						
Corporate Services	2,014	2,069	2,049	1,966	1,819	1,787
Contracted Services*	n/a	n/a	26	330	314	337
Carbon Credits**	n/a	n/a	n/a	- 1,665	- 1,690	- 2,293
Net GHG Emissions***	2,014	2,069	2,075	631	443	169

For more information, please contact:

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Status Reports	2010	2011	2012	2013	2014	2015
Internal Services:	1,119	1,109	1,034	997	868	839
Fleet:	894	958	1,013	969	951	948
Contracted Services:	n/a	n/a	26	330	314	337

Additional Information

Our community is still growing. The addition of streetlights in new subdivisions, new vehicles in the City fleet among other things means that despite our efforts to implement energy saving technologies, our GHGs may continue to go up before we experience reductions. Weather also plays a role. A colder season may result in an increase in natural gas consumption. Natural gas is used to heat many municipal facilities. When it's cold outside, the thermostat gets turned up to create a more comfortable working environment. We are doing many things to reduce the City's GHGs, including implementing alternative energy sources and energy efficiency upgrades at our facilities. As a Charter Member of the E3 Fleet Program, we are transitioning our transportation vehicle fleet to hybrid and electric vehicles and implementing fuel efficiency best practices.

Because the City is responsible for many of the regulations and guidelines for managing land use, water, waste and other municipal services as well as the infrastructure required to provide these services, we recognize the large role we play in our community's impact on the environment. We are working hard to achieve Council's Vision of becoming one of the most sustainable communities in the world. In 2007, when Council endorsed the City's Sustainability Action Plan (SAP), we committed to pursue policies and practices that encourage and promote sustainability. Included in the SAP is a list of short and long-term initiatives to help the City become more sustainable.

*Contracted Services: As of June 1, 2012, municipalities are required by the Province to include GHG emissions from services that the City contracts out, including paving, mowing, etc, with our corporate GHG emissions.

**Carbon Credits: Solid waste (garbage) is managed as a regional system by Metro Vancouver. When solid waste is delivered to a landfill, it begins a process called decomposition which consumes oxygen and produces landfill gas, mainly a combination of carbon dioxide and methane. Methane is natural gas and an energy source but it is a Greenhouse Gas. Modern sanitary landfills are designed and operated either to vent or use landfill gas. In 2012, Metro Vancouver launched the Vancouver Landfill Gas Capture Optimization Project (VLF) to reduce GHG emissions by collecting methane at the landfill located in Delta, BC. The collected gases are thermally destroyed or processed and routed to an offsite cogeneration facility. This project has resulted in Metro Vancouver and member municipalities receiving carbon offset credits. 2015 is the last year these credits will be available.

***Net GHG Emissions: Currently, it isn't possible for the City to have zero carbon emissions, but it is possible to be carbon neutral. When the 2015 carbon credits are subtracted from Maple Ridge's total corporate GHG emissions, our net emissions are negative, resulting in carbon neutral status. Because 2015 is the last year the City will receive the landfill credits, we are continuing to invest in reducing emissions from our own operations. To become carbon neutral in future years, we could purchase carbon offset credits. These carbon offsets would represent emissions reductions elsewhere that wouldn't have happened without our contribution. It makes better economic sense for us to invest in our own operations first and reduce our emissions as much as possible. These reductions are permanent and reduce our operating costs. In future years there may be other local projects the City could invest in that benefit the community and provide carbon credits.

For more information on the SAP:

[View Strategic & Action Plans webpage](#)

For more information on Maple Ridge GHG emissions:

[View GHG Emissions webpage](#)

For more information on the VLF GHG Project Plan:

[View VLF Gas Capture Optimization. Vancouver - Delta](#)