Bell

GREENHOUSE GAS EMISSIONS – 2010 REPORT

Addendum to the Bell Canada 2010 Corporate Responsibility Report

Our performance
Our greenhouse gas emissions are measured yearly following the WRI-WBCSD Greenhouse Gas Protocol and has been externally verified by Golder Associates Ltd. according to the ISO-14064 standard.

In 2010, our GHG emissions decreased by 5% over 2009, and we were 22% less than the base year of 2003.

Bell - Greenhouse Gas Emissions
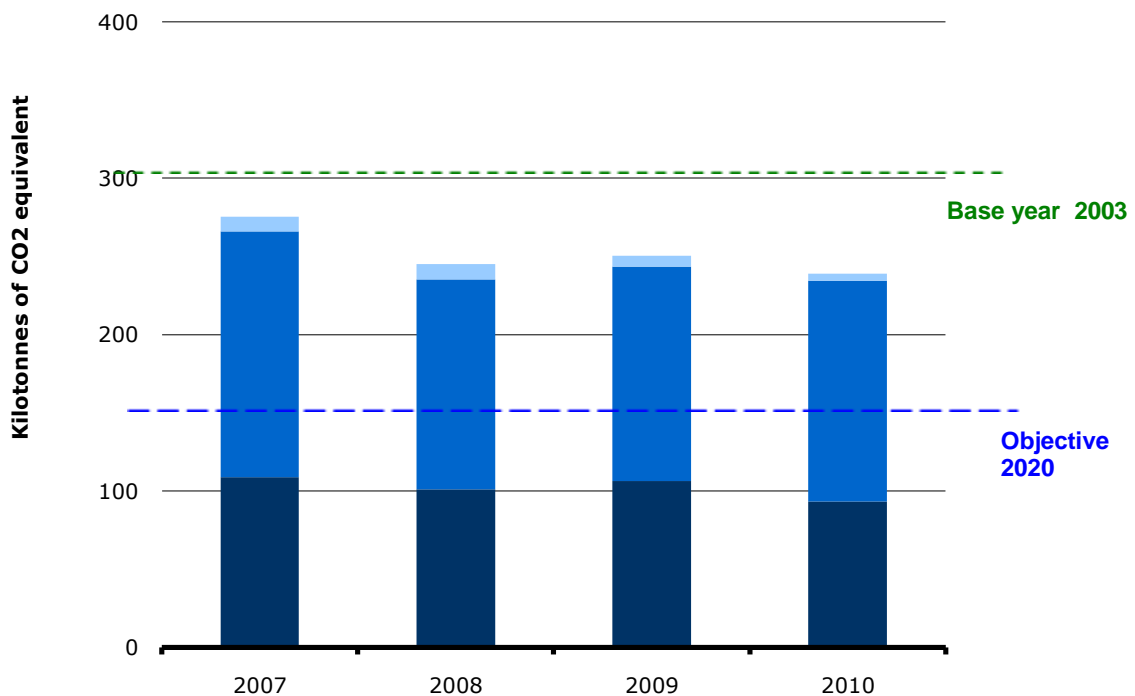
Our target:	To reduce our GHG emissions by 152 kiloton's (50% under 2003), by the end of 2020.

Performance indicators

	2007	2008	2009	2010
Financial Intensity scope 1 & 2 (Tonnes of CO2e / M$ Revenues)	18.8	16.5	16.7	15.5
Activity Intensity scope 1 & 2 (Tonnes of CO2e / 1000 clients)	12.9	13.1	13.2	13.1
Intensity per employee scope 1 & 2 (Tonnes of CO2e /thousand employees)	6.3	6.0	5.8	5.6

Greenhouse gas emissions

	2007	2008	2009	2010	Variation 2009/2010
Scope 1					
Vehicle fleet	68,707	69,296	68,027	60,250	-11%
Fossil fuels for buildings and generators	32,492	24,014	29,989	25,197	-16%
Cooling systems (HFCs)	15,439	7,503	8,249	7,649	-7%
Total Scope 1	**108,892**	**100,813**	**106,265**	**93,095**	**-12%**
Scope 2					
Electricity for network, heating, cooling & lighting buildings	156,807	134,571	137,215	141,397	3%
Total Scope 2	**156,807**	**134,571**	**137,215**	**141,397**	**3%**
Scope 3					
Air Travel - Domestic Haul	311	324	407	311	-24%
Air Travel – Short Haul	2,458	2,704	1,543	1,365	-12%
Air Travel - Long Haul	3,255	3,039	2,495	867	-65%
Rail Travel	333	310	208	61	-71%
Vehicle rentals & employee vehicles for company business	3,194	3,417	2,217	1,744	-21%
Total Scope 3	**9,551**	**9,794**	**6,870**	**4,348**	**-37%**
Total	**275,340**	**245,178**	**250,351**	**238,841**	**-5%**

Energy consumption results (Scope 1 and 2) (GWh)

	2007	2008	2009	2010
Electricity for network, heating, cooling & lighting buildings	1,353	1,265	1,052	1,027
Fuel for buildings and generators	153	143	126	123
Fuel for vehicle fleet	343	332	278	247
Total	**1,849**	**1,740**	**1,456**	**1,397**

Scope 1 GHG emissions of specific gases (Tonnes of C02e)

	2007	2008	2009	2010
CO2	100,297	92,578	96,161	83,802
CH4	82	81	81	73
N2O	1,851	1,726	1,818	1,609
HFC	6,752	6,428	8,249	7,649
Total	**108,982**	**100,813**	**106,265**	**93,095**

Analysis

The growth of our network hosting service generated increases related to electricity consumption (scope 2) and fuel consumption for generators (scope 1) in 2010. These increases however were offset by our company wide efforts on energy reduction.

We saved 5,17 M$ in electricity creating savings of 56 millions of kWh. This was achieved through our initiatives in our buildings, datacentres and telecom network:

• Installed energy-efficient lighting and optimized lighting levels at 85 buildings

• Installed 245 programmable thermostats and optimized heating and cooling systems at 135 buildings

• Replaced 685 rectifiers in telecom central offices with highly efficient models

• Removed or depowered more than 540 pieces of legacy telecom equipment in central offices

• Worked with landlords to implement 20 energy-saving measures at various leased offices, such as optimized lighting and improved efficiency of cooling systems

Initiated in 2008, employees from across Bell formed an Energy Board to find new ways to save energy in the company's day-to-day operations. Their work was pursued in 2010 and focused on reducing fuel consumption by Bell vehicles, using innovative communication services to cut business travel, using efficient systems and equipment, and adopting energy efficient work habits.

Initiatives Using ICT Solutions

Teleconferencing services, telematics, server virtualisation, electronic billing and teleworking are all solutions that can rapidly produce, and at minimal costs, very significant environmental, social and economic benefits at national level.

Our own experience shows it works!

• In 2010, we were successful in reducing by 37% (2,522 tonnes) the indirect emissions from employee travel through our collective effort to reduce business travel costs and increasing use of teleconferencing, videoconferencing and online collaboration tools.

• In 2010, 6,000 vehicles equipped with telematics devices that help reduce consumption by 2.8 million litres of fuel over 2009 and reduced our GHG by 7,777 tonnes , comparable to what would be eliminated by taking 1,900 mid-sized cars off the road for a year

• Our conferencing solutions enabled GHG emission estimated savings of the equivalent of 744,000 tonnes of carbon dioxide, about what would be eliminated by taking more than 174,000 mid-sized cars off the road for a year:

  o Working from home help Bell employees save about 110 million kilometres a year in commuting and up to 20,000 tonnes of GHG emissions

  o Substituted telecom services for travel: Video Zone usage increased by 70% to 67,000 video calls compared to 39,200 calls in 2009

  o Employees conducted more than 264,000 teleconferences in 2010.

• The application of virtualization principles and consolidation strategies allowed Bell to decommission 603 servers and convert 130 servers from physical to virtual. This Reduced capital requirements and saved 920,000 kWh, reduced our GHG reduced by 156 tonnes, enough energy to heat 92 households every year

• We issued 21% of bills electronically in 2010, saving approximately 33,000 trees and avoiding the emission of about 4,000 tonnes of GHG.

We recognise that increasing the use of ICT services may entail an increase of our own energy consumption. However, according to WWF-Canada, GHG reductions that could be enabled by ICT solutions in the wider economy are approximately 10 times larger than the emissions produced by the ICT sector. Learn more and read the WWF-Canada report *Innovating toward of low carbon Canada: using technology to transform tomorrow.*