

Operational energy consumption and carbon emissions inventory

ENERGY CONSUMPTION SCOPE 1 AND 2 (gigajoules)

	2020	2019	2018	2010
Gasoline ¹	8,911	15,447	16,577	41,800
Natural Gas ¹	36,591	36,384	37,195	54,049
Electricity ¹	56,461	60,074	62,822	93,315
Steam ²	759	766	751	1,431
Total energy	102,722	112,671	117,345	190,595

1. Conversion factor source: [National Energy Board, Energy Conversion Tables.](#)

2. Conversion factor source: [Energy Star, Portfolio Manager Technical Reference: Thermal Conversion Factors.](#)

CARBON EMISSIONS (TONNES OF CARBON DIOXIDE EQUIVALENT)

	2020 Location- Based	2020 Market- Based	2019 Location- Based	2019 Market- Based	2018 Location- Based	2018 Market- Based	2010 Base Year
Fleet	599	599	1,038	1,038	1,115	1,115	2,970
Natural gas	1,866	1,866	1,856	1,856	1,896	1,896	2,658
Total Scope 1 (Energy)	2,465	2,465	2,894	2,894	3,011	3,011	5,628
Electricity	3,818	269 ¹	4,005	256 ¹	4,174	307 ¹	11,566
Steam	48	48	49	49	48	48	95
Total Scope 2 (Energy Indirect)	3,866	317	4,054	305	4,222	355	11,661
Air Travel	1,224	1,224	5,891	5,891	5,307	5,307	4,554
Employee vehicle travel	243	243	875	875	863	863	1,510
Total Scope 3 (Other Indirect)	1,467	1,467	6,766	6,766	6,170	6,170	6,064
Total emissions	7,798	4,249	13,714	9,965	13,403	9,536	23,353
Carbon offsets ²		4,622		5,284		5,211	
Net equivalent carbon emissions		-373		4,681		4,325	

1. Reduction associated with Renewable Energy Certificates purchased from Bullfrog Power.

2. Reduction associated with the Financial Advisor Carbon Neutrality Program and Compugen's CarbonBank™ program.

CARBON EMISSIONS INTENSITY

	2020 Location- Based	2020 Market- Based	2019 Location- Based	2019 Market- Based	2018 Location- Based	2018 Market- Based	2010 Base Year
Tonnes of carbon dioxide equivalent per employee	1.2	-0.1	2.2	0.7	2.5	0.8	4.7

METHODOLOGY

Our greenhouse gas inventory is calculated using the operational control approach, as outlined by the World Resources Institute and World Business Council for Sustainable Development's [Greenhouse Gas Protocol](#).

Carbon dioxide, methane and nitrous oxide are included in all emission totals and are reflected in the emission intensity figures; the intensity figures include emissions from scope 1, 2 and 3. We use 2010 as our base year; although it was not the first year that emissions data were collected, it contains a more complete data set than prior years. It is also the basis for our emission reduction goal of being carbon neutral equivalent by the end of 2020, which we achieved this year. Prior year emission totals have been recalculated to reflect updated electricity emissions factors. Emissions from natural gas, electricity and steam are from corporate office locations representing 85 per cent of total floor space.

In 2016 we introduced the Financial Advisor Carbon Neutrality Program. Through this voluntary, corporate-funded program, we enabled our Financial Advisors (who are independent business owners and not part of our corporate carbon footprint) to make their offices carbon neutral through the use of Bullfrog Power and the purchase of carbon offsets. Financial Advisor locations across Canada are now contributing to the transition to a low-carbon economy. This non-traditional approach offers the same environmental impact, in terms of the amount of carbon that is offset, as purchasing offsets for our own operations—while additionally offering the benefits of engaging our Financial Advisors and employees, and through them many of our clients, in conversations about climate change and the risks it presents. We've applied this reduction to our corporate carbon reduction goal as we control and fund this program.

In 2018 we began participating in Compugen's CarbonBank™ program. Through this program IT equipment slated for upgrades (such as laptops, desktops and printers) is refurbished to be repurposed. Carbon credits are then generated through avoidance of emissions associated with both the traditional e-waste recycling process and the manufacturing of new IT equipment. These emissions reductions are registered on the [CSA Group's GHG CleanProjects® Registry](#).