

September 1, 2010

Main sources in 2008

Canada's Greenhouse Gas Emissions

Canada's main sources of greenhouse gas emissions.¹

Source	% of national emissions (1990)	Emissions (Mt CO ₂ e, ² 2008)	% of national emissions (2008)	% change in emissions (1990–2008)
Industrial facilities	54	387	53	+21
Electricity generation	16	120	16	+25
Oil and gas production, transmission and distribution	17	159	22	+58
Oil sands extraction and upgrading	3	37	5	+121
Other industrial facilities	21	109	15	–12
Transportation	22	176	24	+38
Passenger cars and trucks	11	88	12	+31
Freight trucks	4	58	8	+76
Railways	1	7	1	+3
Aviation (domestic)	1	9	1	+37
Other transportation (marine, recreational, buses etc.)	2	14	2	+4
Buildings	12	78	11	+13
Residential buildings	7	43	6	–1
Commercial/institutional buildings	4	35	5	+36
Agriculture	9	71	10	+27
Landfills	3	21	3	+16
Other	0	3	0	
Total		734		+24

¹ Adapted by the Pembina Institute from Environment Canada, *National Inventory Report — Greenhouse Gas Sources and Sinks in Canada 1990–2008* (Ottawa, ON: Environment Canada, 2010), Part 1: 86, 89–90; Part 3: 4.

² Megatonnes of carbon dioxide equivalent.