

## Main sources in 2009

# Canada's Greenhouse Gas Emissions

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Canada's main sources of greenhouse gas emissions.<sup>1</sup>

Source	% of national emissions (1990)	Emissions (Mt CO <sub>2</sub> e, <sup>2</sup> 2009)	% of national emissions (2009)	% change in emissions (1990–2009)
<b>Industrial facilities</b>	53	345	50	+10
Electricity generation	16	100	14	+7
Oil and gas production, transmission and distribution	17	157	23	+58
Oilsands extraction and upgrading	3	45	7	+167
Other industrial facilities	20	88	13	-27
<b>Transportation</b>	24	184	27	+32
Cars and light trucks	11	85	12	+27
Heavy trucks (on-road)	4	43	6	+67
Railways	1	7	1	0
Aviation (domestic)	1	7	1	0
Other transportation (off-road, marine, buses etc.)	5	41	6	+28
<b>Buildings</b>	12	77	11	+12
Residential buildings	7	41	6	-5
Commercial/institutional buildings	4	36	5	+40
<b>Agriculture</b>	8	58	8	+18
<b>Landfills</b>	3	20	3	+11
<b>Other</b>	0	7	1	
<b>Total</b>		690		+17

<sup>1</sup> We have calculated these numbers from Environment Canada, *National Inventory Report 1990–2009: Greenhouse Gas Sources and Sinks in Canada* (Gatineau, QC: Environment Canada, 2011), complemented by personal communications from Environment Canada staff. Since Environment Canada has not fully attributed 2009 emissions to the sectors listed in the table, some numbers are preliminary estimates. Notably, this is the case for 2009 emissions from oil sands extraction and upgrading. For more details, please contact the author.

<sup>2</sup> Megatonnes of carbon dioxide equivalent.

