

Table A13-7 Electricity Generation and GHG Emission Details for Ontario¹

	1990	2000	2005	2011	2012	2013	2014	2015	2016 ²
Greenhouse Gas Emissions³									
kt CO ₂ equivalent									
Combustion	25 800	44 200	35 400	14 400	14 300	10 300	6 030	6 250	5 500
Coal	24 700	38 800	29 000	4 400	4 390	3 150	100	0	0
Natural Gas	x	x	x	x	x	7 040	5 810	6 170	5 370
Other Fuels ⁴	x	x	x	x	x	60	130	80	120
Other Emissions⁵	-	0.77	1.4	0.23	-	-	-	-	-
Overall Total^{6,7}	25 800	44 200	35 400	14 400	14 300	10 300	6 000	6 300	5 500
Electricity Generation^{8,9}									
GWh									
Combustion¹⁰	29 200	52 200	40 900	23 100	22 400	17 500	15 600	16 000	13 600
Coal	27 800	40 800	29 400	3 900	4 100	2 850	80	0	0
Natural Gas	3.18	10 200	10 000	18 500	17 600	13 900	14 700	15 300	12 700
Other Fuels	1 430	1 140	1 440	782	703	722	778	699	871
Nuclear	59 400	59 800	78 000	84 800	84 900	93 100	96 200	91 800	90 900
Hydro	38 700	36 600	34 600	34 600	33 000	36 900	38 200	34 800	34 800
Other Renewables¹¹	-	1.22	26.0	3 420	4 320	4 240	3 660	12 240	13 380
Other Generation^{12,13}	-	-	-	3 501	4 256	3 337	-	-	-
Overall Total⁷	127 000	149 000	153 000	153 000	153 000	158 000	154 000	155 000	153 000
Greenhouse Gas Intensity¹⁴									
g GHG / kWh electricity generated									
CO ₂ intensity (g CO ₂ / kWh)	200	300	230	95	95	65	39	40	35
CH ₄ intensity (g CH ₄ / kWh)	0.002	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01
N ₂ O intensity (g N ₂ O / kWh)	0.003	0.005	0.004	0.002	0.002	0.002	0.001	0.001	0.001
Generation Intensity (g CO₂ eq / kWh)⁷	200	300	230	96	96	66	39	40	36
Unallocated Energy (GWh) ^{17,18}	10 000	12 000	12 000	16 000	15 000	22 000	9 000	9 000*	9 000*
SF ₆ Emissions (kt CO ₂ eq) ¹⁷	76	75	50	38	56	64	43	56	56
Consumption Intensity (g CO₂ eq / kWh)¹⁸	220	320	250	110	110	80	40	40	40

Notes:

- Data presented include emissions, generation and intensity for facilities classified under NAICS code 22111 – Electric Power Generation.
- Preliminary data.
- Emissions based on data taken from the *Report on Energy Supply-Demand in Canada*, Catalogue No. 57-003-XIB, Statistics Canada.
- Includes GHG emissions from the combustion of refined petroleum products (light fuel oil, heavy fuel oil, and diesel), petroleum coke, still gas and other fuels not easily categorized.
- GHG emissions from on-site combustion of fuel not directly related to electricity generation.
- GHG emissions from the flooding of land for hydro dams are not included.
- Totals may not add up to overall total due to rounding.
- Taken from CANSIM Tables 127-0006 and 127-0007 (for 2005–2016).
- Taken from the *Electric Power Generation, Transmission and Distribution* (EPGTD) publication, Catalogue No. 57-202-XIB, Statistics Canada (for 1990–2004).
- From 2014 onward, this includes the electricity generated from the by-product steam associated with the fuel combustion. Prior to 2014, it was not possible to break this data into the original fuel source, so it was included in Other Generation.
- Other Renewables – includes electricity generation by wind, tidal and solar.
- NAICS category 221119, Other Electric Power Generation.
- Prior to 2014, this includes electricity generation from steam from waste heat. From 2014 onward, electricity generation from steam from waste heat is reported as part of its original fuel source.
- Intensity values have been rounded so as to present the estimated level of accuracy.
- Adapted from Statistics Canada CANSIM Table 127-0008 (2005-2016) or Cat. No. 57-202-XIB (1990–2004).
- Includes transmission line losses, metering differences and other losses.
- The electric utility sector's share of emissions from electrical equipment from CRF Category 2.F.viii (Production and Consumption of Halocarbons and SF₆).
- Consumption intensity values are impacted by unallocated energy and SF₆ transmission emissions.

– Indicates no emissions or no electricity generation

0 Indicates emissions or electricity generation value less than 0.1

x Indicates data not shown due to statistical limitations

* For years where unallocated energy data was not available, values were interpolated