



Key Canadian Electricity Statistics

Electricity		% Change from Previous Year
Total Electricity Demand in Canada (2008) ⁱ	548.8 Twh	1.8%↑
Residential	29.0%	3.9%↑
Commercial	26.0%	14.9%↑
Industrial	40.0%	6.9%↓
Public Administration	2.0%	0.7%↓
Agriculture	2.0%	5.5%↑
Transportation	1.0%	No change
Total Electricity Generation in Canada (2009) ⁱⁱ	575.2 Twh	4.4%↓
Hydro	63.2%	2.6%↓
Nuclear	14.8%	3.7%↓
Conventional Steam	17.4%	12.5%↓
Internal Combustion	0.2%	No change
Combustion Turbine	4.1%	3.4%↑
Tidal	0.01%	50.0%↑
Wind	0.3%	No change
Canada US Electricity Trade Volume (2009) ⁱⁱⁱ		
Exports	55.1 Twh	1.13%↓
Imports	17.5 Twh	25.5%↓
Canada US Electricity Trade Revenue (2009) ^{iv}	\$3.1 Billion	39.2%↓
Exports	\$2.4 Billion	36.8%↓
Imports	\$0.7 Billion	46.2%↓
Electricity Contribution to GDP (2009) ^v	1.92%	2.04%↓
Gross GDP	\$1,279.45 Billion	
Electricity Industry	\$24.52 Billion	
Total Transmission Lines (2007) ^{vi}	74,640 Km	0.21%↓
Pricing^{vii viii}		
Average Residential Electricity Price (2009)	10.82 cents	3.63%↑
Average Industrial Electricity Price (2009)	8.86 cents	1.50%↑
Investments and Expenditures		
Investment in infrastructure (2009) ^{ix}	\$ 9.0 Billion	32.0%↑
Generation	\$ 3.9 Billion	26.0%↑
Transmission	\$ 2.4 Billion	27.7%↑
Distribution	\$ 2.6 Billion	44.0%↑
Environmental Expenditure in Industry (2006)	\$633.3 Million	24.7%↑
Emissions^x		
	Statistics Canada Data	CEA Member Reported Data
GHG emissions from Electricity Sector	118.8Mt (16.8% of total); 5.71%↓	88.5 Mt; 10.50%↓
SO ₂ e emissions from Electricity Sector	493.0 Kt (25.9% of total); 7.20%↑	377.4 Kt; 10.60%↓
NO _x emissions from Electricity Sector	238.0 Kt (16.2% of total); 5.30%↑	167.8 Kt; 10.10%↓
Key Facts		
<ul style="list-style-type: none"> • Electricity generation in Canada is more than 75 percent non-emitting • Canada's current installed wind capacity is 3,432 MW • Canada ranks 2nd after China in global hydroelectricity generation • Based on IEA estimates, Canada will require \$238 Billion in electricity investment by 2030 • 13,688,985 Canadian Electricity Customers in 2007^{xi} • The 2008 Labour Market Information Study reported 105,500 employees in the Electricity Industry, 55% who were 45 years and older. A growing percentage of the electricity workforce is approaching retirement. The study estimated 28.8% employee retirement by 2012.^{xii} 		

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- ⁱ Energy Statistics Handbook, 4Q 2009. Table 8.7-1
- ⁱⁱ Energy Statistics Handbook, 4Q 2009. Table 8.2
- ⁱⁱⁱ National Energy Board, Electricity Exports, Imports and Statistics
- ^{iv} National Energy Board, Electricity Exports, Imports and Statistics
- ^v Energy Statistics Handbook, 4Q 2009. Table 1.2-3
- ^{vi} North American Reliability Corporation (NERC)
- ^{vii} Hydro Quebec, *Comparison of Electricity Prices in Major North American Cities, 2009*
- ^{viii} International Energy Agency, *Key World Energy Statistics 2009*
- ^{ix} Canadian Electricity Association (CEA), member reporting
- ^x Environment Canada, *National Inventory Report*
- ^{xi} Electric Power, Generation, Transmission and Distribution, Table 4
- ^{xii} 2008 Labour Market Information Study