

**Table E4.gen. Electricity generation: Canada, High Zero-carbon Technology Cost case**

billion kilowatthours

<b>Fuel</b>	<b>2022</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>	<b>Average annual percentage change, 2022–2050</b>
Liquid fuels	5	5	0	0	0	0	0	-13.5%
Natural gas	81	85	134	153	161	150	168	2.6%
Coal	39	18	0	0	0	0	0	-100.0%
Nuclear	79	71	77	72	51	39	28	-3.7%
Renewables	452	470	503	544	624	720	813	2.1%
Hydro	399	417	430	430	430	430	430	0.3%
Wind	41	45	64	106	185	282	375	8.3%
Geothermal	0	0	0	0	0	0	0	0.0%
Solar	6	6	6	6	6	6	5	-0.5%
Other	5	3	4	2	3	2	2	-2.8%
<b>Net generation to grid</b>	<b>656</b>	<b>648</b>	<b>714</b>	<b>769</b>	<b>835</b>	<b>910</b>	<b>1,008</b>	<b>1.5%</b>

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hz\_230821.151430

Note: Totals may not equal sum of components due to independent rounding. Net generation to grid represents gross generation minus losses from thermal efficiency and parasitic load.