

Ontario's System-Wide Electricity Supply Mix: 2021 Data

Electricity Retailing – Disclosure to Consumers, O. Reg. 416/99, requires retailers to disclose to consumers the Ontario system-wide electricity supply mix in the manner established by the Ontario Energy Board. The Board's *Directive for the Disclosure of Information to Consumers by Electricity Retailers under Ontario Regulation 416/99* prescribes the manner and timing requirements for this disclosure. The *Directive* applies to all retailers, including distributors that provide standard supply service.

Under O. Reg. 416/99 the Ministry of Energy is responsible for providing Ontario's electricity supply mix data for electricity suppliers. The following label discloses the system-wide electricity supply mix data for 2020. This data must be used by electricity suppliers for the purposes of complying with the disclosure obligations of O. Reg. 416/99 and the *Directive*. This data should be considered current until further notice.

2021 Electricity Facts	
Electricity sources	Ontario's Electricity Mix
Nuclear Energy	55.3%
Water Power	23.3%
Natural Gas*	8.1%
Wind	9.0%
Solar PV	2.5%
Bioenergy**	0.5%
Non-Contracted***	1.2%

- * Includes Lennox and dual fuel (natural gas/bioenergy) consistent with IESO.
 ** IESO's embedded generation data set combines biomass and gas.
 *** Non-Contracted represents a variety of fuel types that the IESO is unable to categorize due to a lack of information from Local Distribution Companies (LDCs).

Note: 1. Figures may not add to 100% due to rounding.
 2. Figures do not account for the sale and retirement of Clean Energy Credits (CECs).

To fulfill the requirements of the Regulation, the OEB presents the information in percentages. To support the changes the IESO has made to the presentation of their distribution-connected data, the supply mix data in the table below is also presented in Terawatt-hours (TWh).

2021 Electricity Facts			
Ontario's Electricity Mix (System-Wide Generation in terawatt-hour - TWh)			
Electricity Source	Tx-Connected (direct)	Dx-Connected (embedded)	Total
Nuclear	83.0	-	83.0
Water Power	34.2	0.8	35.0
Natural Gas*	12.2	-	12.2
Wind	12.0	1.5	13.5
Solar PV	0.8	3.0	3.7
Bioenergy**	0.4	0.3	0.7
Non-Contracted***	0.01	1.8	1.9
Total	142.5	7.5	150.0

- * Includes Lennox and dual fuel (natural gas/bioenergy) consistent with IESO.
 ** IESO's embedded generation data set combines biomass and gas.
 *** Non-Contracted represents a variety of fuel types that the IESO is unable to categorize due to a lack of information from Local Distribution Companies (LDCs).

Note: 1. Components may not sum to the total due to rounding.
 2. Figures do not account for the sale and retirement of Clean Energy Credits (CECs).

September 6, 2022