

LABEL FOR ELECTRICITY DISTRIBUTED IN QUÉBEC TO CUSTOMERS SUPPLIED
BY HYDRO-QUÉBEC'S MAIN POWER GRID

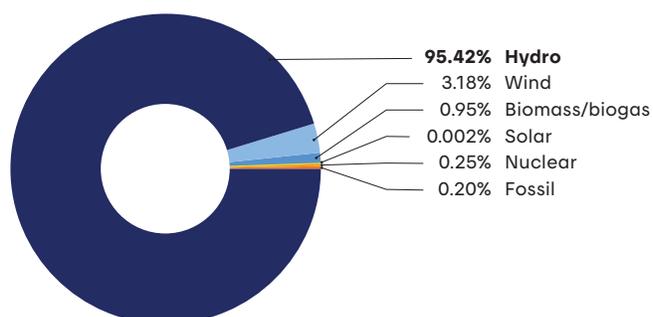
Residual electricity mix and greenhouse gas (GHG) emissions rate

Residual electricity mix

The residual electricity mix distributed in Québec to customers supplied by Hydro-Québec's main power grid includes all the electricity obtained under the company's long-term power purchase agreements or market purchases, excluding off-grid generation and supplies and electricity whose environmental attributes have been sold through renewable energy certificates (RECs).

To benefit fully from the environmental attributes of the electricity you consume, purchase RECs from Hydro-Québec.

Electricity from renewable sources: 99.55%



GHG emissions rate of the residual electricity mix distributed in Québec to customers supplied by Hydro-Québec's main power grid¹

1.30 kg eq. CO₂/MWh

Breakdown of supplies by energy source ²	Actual supplies ³		RECs sold ⁴	Residual supplies ⁵	
	GWh	%	GWh	GWh	%
Hydro	169,782	92.18	191	169,591	95.42
Wind	11,667	6.33	6,018	5,649	3.18
Biomass ⁶ /biogas	1,932	1.05	237	1,695	0.95
Solar	3	0.00	-	3	0.00
Nuclear	443	0.24	-	443	0.25
Fossil - Hydro-Québec (fuel oil)	11	0.01	-	11	0.01
Fossil - Other producers (natural gas, fuel oil, coal)	346	0.19	-	346	0.19
Total	184,184	100	6,446	177,738	100
Total - Renewable sources	183,384	99.57	-	176,937	99.55

Origin of actual supplies (including RECs sold)	GWh
Power produced by Hydro-Québec ⁷	139,110
Purchases from other Québec producers	13,962
Purchases outside Québec (including from Churchill Falls generating station)	31,112

1. This rate represents the emissions directly related to power generation and does not take into account the complete life cycle.
2. In the case of purchases from neighboring markets, the breakdown is based on the annual electricity mix of these markets.
3. Actual supplies consist of the volumes of electricity purchased and injected onto Hydro-Québec's main grid. They do not take into account the RECs sold nor the volumes for which the environmental attributes were not assigned to Hydro-Québec.
4. The volumes indicated represent the RECs created in 2022 and sold between January 1, 2022, and June 30, 2023. They also reflect the volumes for which the environmental attributes were not assigned to Hydro-Québec.
5. Residual supplies represent the difference between actual supplies and RECs sold.
6. Energy from biomass cogeneration plants is considered as a renewable for breakdown purposes, even though a fraction of the fuel used to produce the electricity is fossil-based. However, the emissions rate for this source includes the fossil-fuel emissions.
7. The volume shown only includes electricity generated by Hydro-Québec and distributed to Québec customers supplied by the company's main power grid. It therefore excludes electricity exports as well as off-grid generation and supplies.



VERIFICATION STATEMENT

LABEL FOR ELECTRICITY DISTRIBUTED IN QUÉBEC TO CUSTOMERS SUPPLIED BY HYDRO-QUÉBEC'S MAIN POWER GRID

Hydro-Québec retained the professional services of GHD Consultants Ltd. to undertake an audit of the *Label for Electricity Distributed in Québec to Customers Supplied by Hydro-Québec's Main Power Grid*. This fact sheet reports on the composition of the actual and residual electricity mix, as well as the greenhouse gas (GHG) emissions rate associated with the residual electricity mix distributed in Québec to customers supplied by Hydro-Québec's main power grid in 2022.

GHD has conducted the verification to a reasonable level of assurance, using the general principles outlined in ISO Standard 14064 Greenhouse Gases Part 3: Specification with guidance for the validation and the verification of the greenhouse gas assertions (ISO 14064-3:2006). This standard outlines the verification principles to apply in order to ensure that the greenhouse gas emissions reporting is complete, accurate, consistent, transparent and without material differences. These general principles have been used to verify the data presented on this fact sheet, without however adhering to the complete process of a regulatory audit. GHD is an accredited verification body and is recognized as an organization accredited to the ISO Standard 14065:2013 by a member of the International Accreditation Forum (IAF).

This fact sheet has been prepared by Hydro-Québec, based on its own collection of data gathered from numerous internal sources of information that have been corroborated and reviewed by Hydro-Québec's control methods and procedures. The energy breakdown is illustrated by energy type and source, and is derived from Hydro-Québec's electricity generation and purchase activities, and represent the electricity injected onto Hydro-Québec's main grid. Energy generated by off-grid power stations, energy exports by Hydro-Québec and energy for which Renewable Energy Certificates (RECs) have been sold or transferred to third parties, are excluded.

GHD's responsibility is to determine whether the reported emissions are accurately represented and whether errors, omissions or discrepancies, once aggregated, are below the relative importance threshold. The verification methods used by GHD include, but are not limited to, comparing input values with raw data, recalculating emissions and where applicable, applying sensitivity analysis to assess data integrity and reliability.

The supporting evidence is satisfactory and there are no material discrepancies. GHD can state that the evidence obtained during the audit has been used to assess, with a reasonable level of assurance, the targeted reports.

Montreal, June 6, 2023

Nuran Attarmigiroglu, P. Eng., GDBA
Lead Verifier

GHD Consultants Ltd.