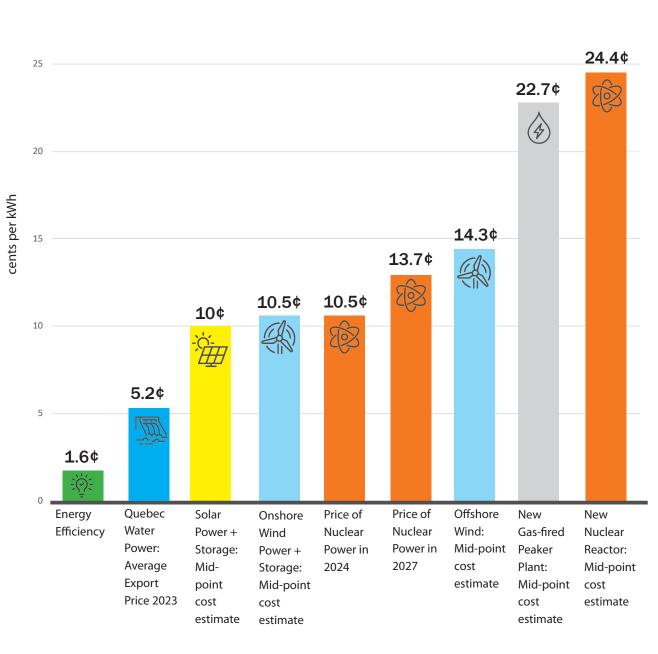
Ontario's Electricity Options: A Cost Comparison

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MARCH 5, 2024





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Notes

Energy efficiency: In 2022 the Independent Electricity System Operator's (IESO) average levelized unit energy cost (LUEC) of procuring a kWh of electricity savings was 1.6 cents. Email to Ontario Clean Air Alliance from Customer Relations, IESO, (December 7, 2023).

Quebec water power – average export price in 2023: Hydro Quebec, Press Release, "Hydro-Quebec delivers a strong performance in challenging times", (February 21, 2024).

Onshore Wind + Storage: According to Lazard, the cost of onshore wind + storage is 4.2 to 11.4 cents per kWh (US \$). We have converted these costs to Canadian dollars by multiplying them by 1.35. Lazard, Lazard's Levelized Cost of Energy Analysis – Version 16.0, (April 2023) page 2. In March 2023 Hydro Quebec accepted seven bids for wind power at an average price of 6.1 cents per kWh (2022 CDN \$). Hydro Quebec, <u>Press Release</u>, "Hydro-Quebec accepts seven projects totalling nearly 1,150 MW of wind power," (March 15, 2023).

Solar + Storage: According to Lazard, the cost of utility-scale Solar PV + storage is 4.6 to 10.2 cents per kWh (US \$). We have converted these costs to Canadian dollars by multiplying them by 1.35. Lazard, Lazard's Levelized Cost of Energy Analysis – Version 16.0, (April 2023) page 2.

OPG's Price of Nuclear Power in 2024: Ontario Energy Board Docket No. EB-2020-0290, Ontario Energy Board, *Payment Amounts Order Ontario Power Generation Inc.,* (January 27, 2022), pages 5 & 8.

Offshore Wind: According to Lazard, the cost of offshore wind is 7.2 to 14.0 cents per kWh (US \$). We have converted these costs to Canadian dollars by multiplying them by 1.35. Lazard, *Lazard's Levelized Cost of Energy Analysis – Version 16.0*, (April 2023) page 2.

OPG's Price of Nuclear Power in 2027: Ontario Energy Board Docket No. EB-2020-0290, I1-01-Environmental Defence-028.

Gas-Fired Peaker Plant: According to Lazard, the cost of a new gas-fired peaker plant is 11.5 to 22.1 cents per kWh (US \$). We have converted these costs to Canadian dollars by multiplying them by 1.35. Lazard, *Lazard's Levelized Cost of Energy Analysis – Version 16.0*, (April 2023) page 2.

New Nuclear Reactor: According to Lazard, the cost of a new nuclear reactor is 14.1 to 22.1 cents per kWh (US \$). We have converted these costs to Canadian dollars by multiplying them by 1.35. Lazard, *Lazard's Levelized Cost of Energy Analysis – Version 16.0*, (April 2023) page 2.

Thanks to the Ivey Foundation, M.H. Brigham Foundation, the Echo Foundation, the Green Sanderson Family Foundation, Noor Cultural Centre, and the Taylor Irwin Family Fund at the Toronto Foundation for their generous financial support.



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