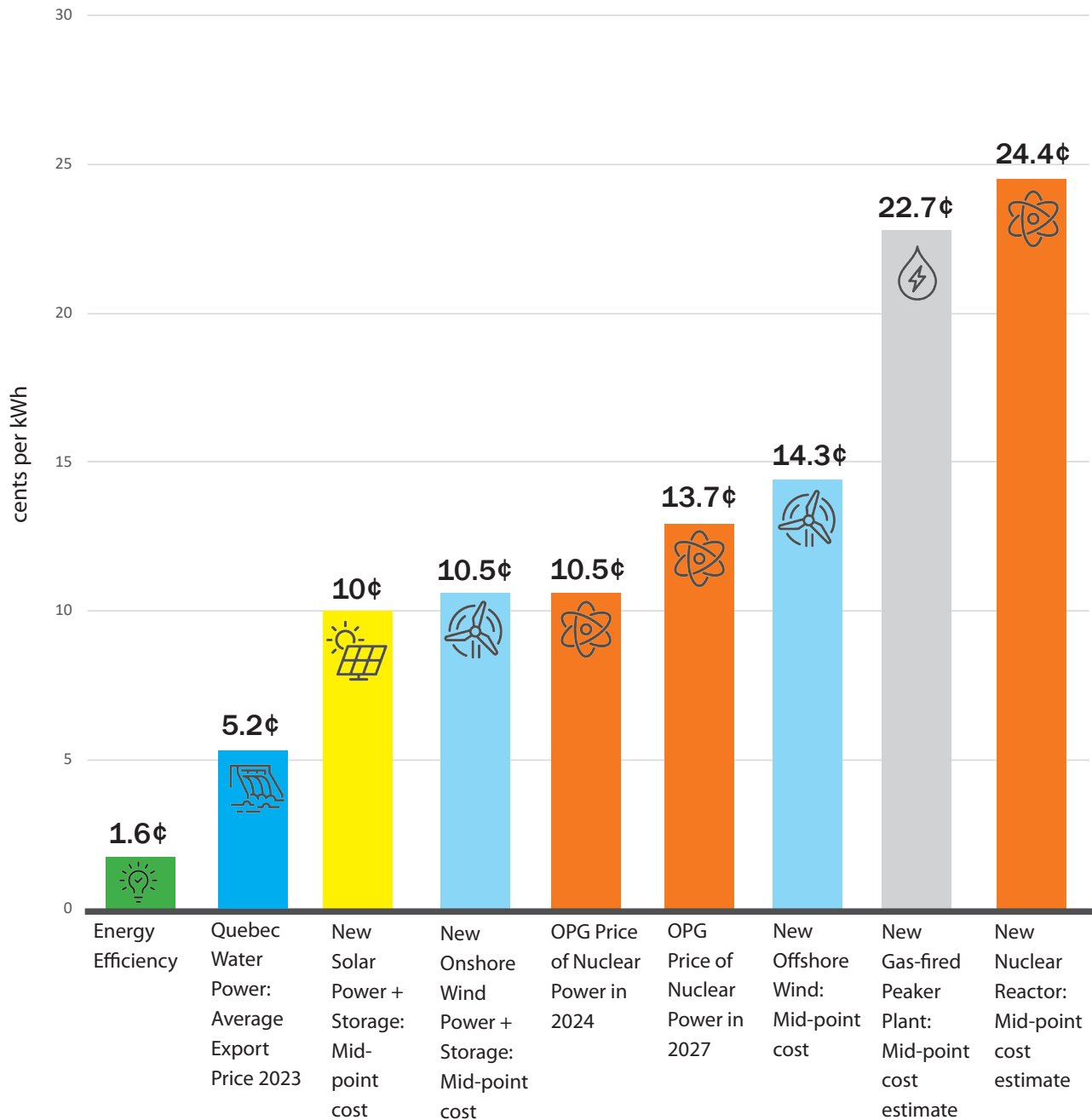


Ontario's Electricity Options: A Cost Comparison

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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 new 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 2024 Hydro Quebec procured 1,550 MW of new wind power at an average cost of 7.8 cents per kWh. Hydro Quebec, [Press Release](#), “Hydro-Quebec retains 8 bids totalling 1550 MW of wind power,” (January 26, 2024).

Solar + Storage: According to Lazard, the cost of new 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 new 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.

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