

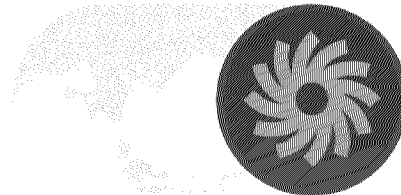
Emily Lutz

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Sent: Thursday, 7 November 2024 2:46 pm
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Subject: ONA November Update

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ONA November Update

Nuclear energy provides clean, reliable electricity to over half of Ontario's homes, hospitals and businesses. For decades, nuclear technology has been at the core of Ontario's energy plan and new investments in nuclear across the province means that Ontario will continue to be a nuclear energy superpower for future generations.

A new ONA video has launched, which you'll see below and across ONA [LinkedIn](#), [Twitter](#) and [Facebook](#). We encourage you to like and share with your networks.



Flip the Switch - Ontario's Nuclear Advantage

Ontario Energy Policy Highlights

Ontario's Vision for the Integrated Energy Resource Plan

On October 22nd, the Minister of Energy and Electrification announced the government's much anticipated energy policy vision paper: *Ontario's Affordable Energy Future: The Pressing Case for More Power*. The vision paper provides a high-level roadmap of government priorities that will shape the eventual Integrated Energy Resource Plan (IERP), scheduled for release in early-2025. The IERP will provide specific detail and commitments on government actions aimed at significantly expanding Ontario's energy capabilities. The vision paper can be found [here](#).

Bill 214 Introduced: *Affordable Energy Act*

On October 23rd, following the release of the vision paper, the Minister of Energy and Electrification proposed legislative amendments to the *Electricity Act*, 1998, *Ontario Energy Board Act*, 1998 and the *Energy Consumer Protection Act*, 2010 to enable the development of Ontario's first IERP. The *Affordable Energy Act* is intended to prioritize nuclear energy as the province's grid expands, support the government's significant expansion of energy efficiency programs to generate electricity savings, help get more electric vehicle (EV) chargers built and reduce "last-mile" connection costs for electricity infrastructure.

IESO Annual Planning Outlook: Demand Forecast 2025 Update

On October 16, 2024, the IESO released one component of the agency's Annual Planning Outlook (APO), the *2025 Demand Forecast*. The 2025 Forecast indicates

that annual electricity demand is projected to increase 75% by 2050, compared to the 60% increase previously forecasted. This represents the need for an additional 12 TWh of energy by 2035 – the equivalent of approximately two large nuclear units. Primary drivers for this increased demand include industrial sector growth and an increasing proliferation of data centre connections.

As has been indicated in recent APOs, Ontario is entering a period of significant year-over-year demand growth following a prolonged period of plateau, and system planning needs to adapt accordingly. A full update on the report can be found [here](#).

Ontario Nuclear Industry News

OPG Authorized to Operate Pickering Nuclear Generating Station Units 5-8 Through Dec. 31, 2026

On [October 11, 2024](#), the Canadian Nuclear Safety Commission (CNSC) announced its decision to amend the licence held by Ontario Power Generation (OPG) for the [Pickering Nuclear Generating Station](#) (PNGS). This decision authorizes OPG to operate PNGS Units 5–8 until December 31, 2026, up to a maximum of 305,000 equivalent full power hours (EFPH). In making its decision, the Commission considered [submissions](#) from OPG, CNSC staff and 54 intervenors during a public hearing.

Bruce Power and Partners Celebrate Two Years of Commercial Production of Lutetium-177

Two years ago, Bruce Power became the first commercial nuclear operator to produce lutetium-177, a cancer-fighting isotope, through an innovative Isotope Production System (IPS) and an international collaboration with Saugeen Ojibway Nation (SON), Isogen (a Kinectrics and Framatome company) and ITM Isotope Technologies Munich SE (ITM). In the 24 months since commercial production began, the partners have expanded production capabilities to match rapidly increasing global demand, beginning with system innovations in 2023 and doubling down on capacity this year through the introduction of a second production line.



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