

# Regional Electricity Planning in Toronto –

## December 5, 2024

### Feedback Provided by:

Name: Melanie Duckett-Wilson

Title: Click or tap here to enter text.

Organization: n/a

Email: [REDACTED]

Date: Jan 3 2025

To promote transparency, feedback submitted will be posted on this [engagement webpage](#) unless otherwise requested by the sender.

Following the Toronto regional planning webinar held on December 5, 2024, the Independent Electricity System Operator (IESO) is seeking feedback on the draft regional electricity needs and the Local Achievable Potential Study. A copy of the presentations as well as recordings of the sessions can be accessed from the [engagement web page](#).

**Please submit feedback to [engagement@ieso.ca](mailto:engagement@ieso.ca) by January 3, 2025.**

## Regional Planning - Draft Electricity Needs

Topic	Feedback
What feedback do you have regarding the draft electricity needs identified?	<ul style="list-style-type: none"> <li>• Increase energy storage projects.</li> <li>• Factor in that other alternative energy transportation may come into play - such as green hydrogen ZEVs.</li> <li>• Factor in how solar and geothermal microgrids could alleviate demand.</li> <li>• Factor in even greater consumer conservation given the increase in air heat pump sales, developments in air heat pump water heaters etc.</li> <li>• Acknowledge that despite population growth, no increase in electricity demands occurred</li> </ul>
What feedback do you have regarding how to meet the electricity needs to inform upcoming milestones?	<ul style="list-style-type: none"> <li>• Given that, despite population increases in Ontario and no significant increase in electricity demand has occurred in 2023-24, demand management and conservation incentives should be a significant component of the IRRP and the RIP as this has huge potential to reduce any future need.</li> <li>• Decarbonization and removal of GHG emitting energy generation sources must occur within the next three years.</li> <li>• Triple wind power generation - currently less than half the electricity generation of natural gas; preferably off-shore - more cost effective, reliable and now eco-friendly.</li> <li>• Invest in more two way power sharing to the grid.</li> <li>• Solar microgrids and storage for industrial sectors - solar power generation is 1%.</li> </ul>
What additional information should be considered as we screen high-level potential options?	<ul style="list-style-type: none"> <li>• Decarbonization must occur within the next 3 years, sooner than the 2035 moratorium outlined in the Pathways to Decarbonization Report. This would reverse the emissions harm currently being done by the gas generation plants as well as support</li> </ul>

Topic	Feedback
	<p>Ontario's commitment to Canada's 2015 Paris Agreement targets.</p> <ul style="list-style-type: none"> <li>Pre-2021 Ontario's grid was 94% clean; now it is 87% and getting worse over the next several years with gas electricity generation.</li> </ul>
What additional information should be provided in future engagements to help understand perspectives and insights?	Consultation, direct involvement and contractual compensation agreements of First Nations must continue in the working groups as well as IESO accepting the science and knowledge of independent environmental and alternative energy experts.

## Local Achievable Potential Study (LAPS)

Topic	Feedback
What feedback do you have on the scope that the IESO should consider?	Bring in the 'moratorium on gas and GHG emitting energy generation before 2035.
What feedback do you have on the methodology that the IESO should consider?	Follow climate science and environmental real data, not just the minimum requirements put in place by a provincial government who is not following the science and expert input. <a href="#">Ontario was advised to ease off gas. Doug Ford is doing the opposite   The Narwhal.</a>
What feedback do you have on the potential uses for the LAPS that the IESO should consider?	Consultation, direct involvement and contractual compensation agreements of First Nations must continue in the working groups
What additional sources or regional policies and trends should be considered?	Geothermal microgrids (Geogrids); off shore Great Lake wind kites or turbines

## General Comments/Feedback

I am a citizen of Canada and an Ontario resident in the GTA.

I have been following Ontario's electricity generation situation, general data and various legislative changes for the last several years.

I support the planning process in that:

- the IRRP for any gas electricity generation be less than a 3 year plan (ie to 2028); allowing for alternative energy sources to be in place by that time.
- I strongly support the part of the IRRP that engages innovative solutions, such as distributed energy resources, which can include renewable generation, energy storage, combined heat and power, and microgrids. The Global Himalayan Expedition ([10 Microgrids that Really Make a Difference](#)) and the [Maycroft Apartments Microgrid in Washington D.C.](#) clearly demonstrates that microgrids are highly possible and effective in vastly different settings and serious consideration should also be given to geothermal microgrid (geogrids) to benefit the GTA, since there is already a concentrated geo-exchange system. ([Map of Geoexchange Systems in Ontario - Sustainable Technologies Evaluation Program \(STEP\)](#))
- Given that, despite population increases in Ontario and no significant increase in electricity demand has occurred in 2023, demand management and conservation incentives should be a significant component of the IRRP and the RIP as this has huge potential to reduce any future need. [2023 Year in Review](#)
- The OEB needs to have continued oversight in order that energy decisions act in the public's best interests.
- We are now in the 10th year since the 2015 Paris Agreement. We are in a climate emergency and are facing an existential threat and no G20 nation is meeting its targets yet. [FAQ 3: How will climate change affect the lives of today's children tomorrow, if no immediate action is taken?](#)
- IESO needs to step it up now to meet this challenge and better lead the transition away from fossil fuels.