

Feedback Form

Technical Requirements for Large Computational Loads Connecting to the Ontario Power System – May 1st, 2026

Feedback Provided by:

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Date: **May 28, 2026**

To promote transparency, feedback submitted will be posted on this engagement page unless otherwise requested by the sender.

- Yes – there is confidential information, do not post**
- No – comfortable to publish to the IESO web page**

Following the posting of Technical Requirements for Large Computational Loads Connecting to the Ontario Power System, the Independent Electricity System Operator (IESO) is seeking feedback from stakeholders on the requirements. The stakeholders can request one-on-one sessions with the IESO for clarification and discussion if needed before submitting feedback. Please submit the meeting request to engagement@ieso.ca.

Please submit feedback to engagement@ieso.ca by **May 28th, 2026.**

General Comments/Feedback

Toronto Hydro supports the IESO's proactive efforts to establish a framework for large computational load (LCL) connections, recognizing the distinct operational characteristics of AI-driven data centres and similar facilities. Toronto Hydro's comments focus on enhancing implementation clarity, particularly with respect to roles and responsibilities, timelines, and coordination between distributors and the IESO.

Clarification of Roles and Responsibilities

Greater clarity on roles and responsibilities is needed to support consistent implementation and reduce uncertainty regarding accountability. Toronto Hydro notes that, while the proposal does not explicitly reassign responsibility for meeting reliability standards, it introduces expanded assessment expectations for distribution-connected LCLs. In doing so, the framework appears to extend elements of bulk system reliability assessment into the distribution connection process without clearly defining whether responsibility for conducting or validating these assessments remains with the IESO or is expected to be undertaken, in part, by distributors.

Clear direction on how the IESO, transmitters, distributors, and connection applicants will perform and validate reliability assessments – including demonstrating compliance with applicable standards (NERC, NPCC, ORTAC, TSC, and DSC) – would significantly improve implementation clarity.

Alignment of Timelines and Processes

Alignment between IESO and distributor processes is critical to support efficient project execution and maintain existing customer service levels. Additional transparency regarding timelines for IESO reviews, including SIA-related assessments, would improve coordination and planning.

As LDCs are subject to established connection obligations and timelines, integrating any new IESO requirements with existing distributor processes will help avoid uncertainty or unintended delays and support effective alignment of timelines across parties.

Distributor Visibility into Transmission-Connected LCLs

Toronto Hydro notes that improved visibility into transmission-connected LCLs within or near its service territory will support effective planning and operations. These facilities can materially affect local planning, distribution infrastructure, and customer coordination. Maintaining distributor access to information on transmission-connected LCLs will ensure alignment between bulk and distribution system planning.

Ongoing Engagement and Coordination

Toronto Hydro underscores that continued stakeholder engagement will support the practical implementation of the proposed modelling requirements. Ongoing collaboration will ensure that requirements remain implementable, rely on available data from customers and equipment manufacturers, follow appropriate sequencing, and align with existing connection processes – particularly given the rapid evolution of AI and data centre technologies.

As the framework evolves through Market Rules updates and related guidance, continued engagement will ensure that requirements remain clear, practical, and consistently applied across all parties.