Stakeholder Feedback and IESO Response

Technical Requirements for Large Computational Loads Connecting to the Ontario Power System

Following the July 23rd, Technical Requirements for Connecting Large Computational Loads to the Ontario Power System webinar, the IESO invited stakeholders to provide comments and feedback on the materials presented.

The presentation materials and stakeholder feedback submissions have been posted on the engagement's respective webpage. Please reference the material for specific feedback as the below information provides excerpts and/or a summary only.

Stakeholder Feedback	**IESO Response**
Electricity Storage Canada (ESC) expressed overall support for the IESO's proposed technical requirements for Large Computational Loads (LCLs), noting that the changes reflect the operational realities of hyperscale data centres, AI facilities, and hybrid configurations that incorporate energy storage. ESC emphasized that the proposed framework will improve coordination between LCLs, uninterruptible power supply (UPS) systems, and storage resources, while enhancing reliability and system performance as Ontario prepares for significant load growth. ESC specifically supported several key revisions. These include a flexible, staged connection process that allows projects to advance before detailed engineering	The IESO appreciates ESC's participation in this engagement and its support for the proposed technical requirements for Large Computational Loads (LCLs). The IESO notes ESC's support for the revisions related to staged connection assessments, voltage ride-through requirements, UPS operation, consideration of step load in the ramping requirements, oscillation assessment windows, and modelling requirements. The feedback provided reinforces our objective of developing requirements that maintain system reliability while recognizing the operational characteristics of emerging LCL facilities. The IESO appreciates ESC's continued engagement and looks forward to ongoing collaboration through future Market Rule and Market Manual engagement activities.

information is finalized, reducing delays for hybrid LCL and storage facilities. ESC also endorsed clarifications around voltage ride-through requirements, particularly recognizing that cooling and mechanical systems may disconnect during severe voltage events, while storage resources can help maintain critical IT operations and support restoration efforts. In addition, ESC agreed with limiting UPS switching to voltage-related events, introducing step-load limits in place of linear ramping requirements, and establishing defined oscillation assessment windows to better distinguish temporary fluctuations from sustained system issues. Finally, ESC supported the proposed modelling and validation requirements, noting that aligning LCL modelling standards with existing storage practices, including EMT and composite models, will improve the accuracy of system studies. Overall, ESC commended the IESO's collaborative approach and stated that the July 23 revisions appropriately recognize the capabilities of energy storage and the needs of hybrid facilities. ESC looks forward to continued engagement through upcoming Market Rule and Market Manual consultations to help advance both grid reliability and Ontario's economic development objectives.	