

# Burlington to Nanticoke Electricity Planning Public Webinar #3 – October 24, 2024

Response to feedback received

The IESO hosted a public webinar for the [Burlington to Nanticoke Region](#) electricity plan or Integrated Regional Resource Plan (IRRP) on October 24, 2024. During the webinar, the IESO provided an overview of the regional electricity planning process and status, including the analysis of all screened-in options and draft recommendations. The presentation material and recorded webinar are available on the [Engagement Webpage](#).

The IESO appreciates the feedback received, which will be considered by the Technical Working Group<sup>1</sup> to develop the IRRP. Feedback was received from the following parties and the full submission can be viewed on the [Engagement Webpage](#).

- City of Hamilton

The section below summarizes feedback received related to key developments, projects and initiatives that should be considered in the electricity planning for the Burlington to Nanticoke Region and/or the upcoming Hamilton Addendum.

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<sup>1</sup> The Technical Working Group (TWG) consists of IESO as the lead, the local transmitter (Hydro One Networks Inc.), and the LDC (Alectra Utilities Corporation, Burlington Hydro Inc., GrandBridge Energy (formerly Energy+ and Brantford Power), Hydro One Networks Inc., Oakville Hydro Inc.).

## Hamilton Addendum

The City of Hamilton shared background on plans with potential impact on electricity demand to ensure accurate incorporation into the Hamilton Addendum. Specific initiatives, policies under development and next steps to be considered in the addendum study are summarized below.

Feedback / Common Themes	IESO Response
<p><b>The City of Hamilton would like to highlight additional future demand that has emerged since September 2023:</b></p> <ul style="list-style-type: none"> <li>Hamilton has developed a Climate Action Strategy (known as Community Energy &amp; Emissions Plan or CEEP). Targets in CEEP are part of the “Modelled Low Carbon scenario” for moving Hamilton (Corporation of City of Hamilton and Community-at-Large) to net zero by 2050.</li> <li>They are also exploring accelerating their 2050 net zero target, a report back is due in June 2025.</li> <li>They are developing a net zero energy performance standard for all new municipal buildings, which is expected to be completed in 2025 and implemented in 2026. Targets include retrofitting commercial buildings, existing homes and municipal buildings, and energy efficiency targets for new commercial buildings, municipal buildings and dwellings.</li> <li>They are also developing Green Building Standards, which include energy performance and greenhouse gas reduction criteria. This will be presented to council in Q1 2025.</li> <li>Exploring ways to encourage energy retrofits of existing businesses and industrial facilities, which may require additional electricity from the grid to proceed. Targets include increasing industrial efficiency (other than steel mills) by 50% from 2016 levels by 2050 and reducing GHG emissions at steel mills by 50% from 2016 levels by 2035 and achieving net-zero emissions by 2050.</li> <li>They have an Electric Vehicle Strategy to ensure the infrastructure and capacity is in place to support the implementation of the Green Fleet</li> </ul>	<p>Thank you for sharing details regarding growth, electrification and policies in the City of Hamilton. Currently, the Technical Working Group, consisting of the IESO, transmitter and local distributors, is finalizing the Burlington to Nanticoke IRRP.</p> <p>The Hamilton Addendum will kick-off in 2025 and finish within 12 months to fully assess and address the remaining electricity needs in Hamilton.</p> <p>The Technical Working Group appreciates this information early and encourages municipalities, customers and Indigenous Communities to continue to keep their local distribution companies up to date on any new local developments to ensure electricity planning is aligned. Additionally, the Technical Working Group will be in touch with the City of Hamilton closer to the addendum kick-off to share an update on how this information was considered and if further information on these initiatives is needed.</p>

Feedback / Common Themes	IESO Response
<p>Strategy and support the community’s transition to electric vehicles including e-bikes. Targets include decarbonizing the transit fleet by 2035, increasing transit use, electrifying municipal fleet or switching to clean hydrogen, new personal use vehicles and heavy-duty vehicles being green hydrogen based or electric, and increasing marine energy efficiency.</p> <ul style="list-style-type: none"> <li>• Provincial planning framework changes has resulted in the possibility of urban boundary expansions in the City of Hamilton.</li> </ul>	
<p><b>Non-wire solutions are seen as integral elements of Hamilton’s Climate Action Strategy. Key targets could impact local energy use including:</b></p> <ul style="list-style-type: none"> <li>• Installation of 280 MW of ground mount solar PV, inside or outside the city boundary by 2050.</li> <li>• Expansion of the downtown district energy network powered by industrial residual heat.</li> <li>• Phased approach to installation of rooftop solar PV to power building and new home electric load, before the introduction of heat pumps.</li> <li>• Starting in 2026, all new commercial buildings include rooftop solar PV panels.</li> </ul>	<p>Thank you for providing this feedback. The Technical Working Group recommends collaborating with your local distribution company to develop a forecast of distributed generation installations (in MW) within the city of Hamilton. This will help inform the needs for the upcoming addendum.</p>
<p><b>The City of Hamilton has shared the need to develop a next generation electricity grid, including:</b></p> <ul style="list-style-type: none"> <li>• Aligning planning with a net-zero future and electrification.</li> <li>• Designing a simple program for new solar PV and EV charging stations.</li> </ul>	<p>Thank you for sharing this information. The Technical Working Group appreciates this information early and encourages municipalities, customers and Indigenous Communities to continue to keep their local distribution companies up to date on any new local developments to ensure electricity planning is aligned.</p> <p>Designing a program for new solar PV and EV charging stations are outside the scope of the Hamilton Addendum, however, the Technical Working Group would be interested in understanding energy targets around the next generation electricity grid</p>

Feedback / Common Themes	IESO Response
	and will be in touch closer to the Hamilton Addendum kick-off.
<p><b>The City of Hamilton recommended engagement with key contacts from several committees, such as:</b></p> <ul style="list-style-type: none"> <li>• City of Hamilton’s internal Climate Change Initiatives Steering Committee – a director-level group that tracks corporate progress with implementation of the city’s obligations in Hamilton’s Climate Action Strategy.</li> <li>• City of Hamilton’s external Climate Change Advisory Committee – an external-facing, formal advisory committee that reports up to the city’s General Issues Committee.</li> </ul>	<p>Thank you for sharing feedback regarding engaging key municipal committees. The IESO regularly communicates with communities, stakeholders and interested parties through emails, weekly bulletin and public webinars to stay up to date on the IESO’s work and opportunities for participation. We encourage any interested parties to visit the IESO website to <a href="#">subscribe</a> to receive these updates.</p> <p>Opportunities to participate in the upcoming Hamilton Addendum will be shared on the <a href="#">Burlington to Nanticoke engagement webpage</a>.</p>