



111 Horton Street  
P.O. Box 2700  
London, ON N6A 4H6

Powering London.  
Empowering You.

May 22, 2024

**To:** Jared Zaifman, CEO  
London Home Builders' Association  
680 Waterloo St.  
London, ON N6A 0B3

**Cc:** Mayor and Members of City Council

**Re:** London Home Builders' Association letter to City Council regarding Grid Capacity and the Climate Emergency Action Plan (CEAP)

Jared, thank you for sharing with us the letter you have written to City Council regarding the above topic. Also thank you for the follow-up telephone discussion with London Hydro and Councillor Rahman on May 17, 2024, regarding grid capacity and the need for more housing in our community. These conversations are important to ensure a shared understanding of concerns as we all work toward our goal of building more residential units. We would like to take this opportunity to reassure all Stakeholders that we are well prepared to meet the load growth expected due to electrification, climate change, and the construction of additional residential units.

London Hydro continues to proactively forecast load growth in our area to ensure there will be sufficient grid capacity for the foreseeable future. This forecast extends out over 25 years and includes all aspects of the electrical grid – generation, conservation, transmission, and distribution. Working with our partners – the Independent Electricity System Operator (IESO), Hydro One, Enbridge, and the City of London (including the Climate Emergency Action Plan) – regional planning identifies growth trends as well as options to increase capacity when required. Presently, there is approximately 200 MW of available capacity on the existing grid in London – more than enough for over 40,000 new residential units assuming all are fully electric and have a level-2 EV charger. We continue to plan for future needs and in collaboration with Hydro One we will expand additional capacity at the Hydro One transformer stations to add up to 300 MW more capacity. Based on the best information available today, these steps should provide capacity until 2050. Jared, as you can see, London Hydro has been proactively planning to provide electric energy and capacity to meet the growing needs of our city as well as to facilitate the goals of the Climate Emergency Action Plan. Your presumed worries about the capacity, while understandable, are perhaps unwarranted.

Working with the Ontario Energy Board (OEB), the standard connection for new single-family units has been upgraded to accommodate electrification, using larger transformers and higher capacity secondary conductors.

For the existing connected customers, London Hydro's smart meter data is used to model the load on individual transformers, and these will be replaced with larger units if they are trending to be at their maximum rated load. Processes are in place for existing customers who require an upgrade to their service to accommodate additional load, or add an additional dwelling unit to an existing home.

London Hydro is well prepared to grow with our community, and will continue to deliver safe and reliable electricity to all our customers – and we do so at very competitive rates. We look forward to continuing to work collaboratively with all of our stakeholders towards achieving our shared goals of our growing and greening community.

A handwritten signature in blue ink, appearing to read 'Jac Vanderbaan', is positioned above the printed name and title.

Jac Vanderbaan P.Eng, CPA, CMA  
Vice President, Operations & Planning  
London Hydro Inc.