

Hydro One Network Inc.  
483 Bay Street  
13<sup>th</sup> Floor, North Tower  
Toronto, ON M5G 2P5  
www.HydroOne.com

Tel: (416) 345-5420  
Fax: (416) 345-4141  
ajay.garg@HydroOne.com



February 11, 2016

Gaye-Donna Young  
Chief Operating Officer  
Newmarket-Tay Power Distribution Ltd.  
590 Steven Court.  
Newmarket, Ontario L3Y 6Z2

Via email: [gdyoung@nmhydro.ca](mailto:gdyoung@nmhydro.ca)

Dear Ms. Young:

**Subject: Regional Planning Status – Newmarket-Tay Power Distribution Ltd.**

This letter is in response to your request for a Planning Status letter. For the purposes of regional planning the province has been divided into 21 regions. These 21 regions are assigned to one of the three groups to prioritize and manage the regional planning process. A map showing details with respect to the 21 regions and the list of Local Distribution Companies (LDCs) in each region are attached in Appendix A and B respectively. Hydro One Networks Inc. is the lead transmitter in 19 regions, and your LDC belongs to the GTA North Region in Group 1 and the Southern Georgian Bay/Muskoka Region in Group 2.

This letter confirms that the regional planning process for the GTA North Region is complete and is currently underway for the Southern Georgian Bay/Muskoka Region. The planning status for each of these regions is described below.

### **GTA North**

The GTA North Region Working Group (WG) included representatives from Hydro One, the Independent Electricity System Operator (IESO) and directly affected LDCs. The region was divided into two sub-regions: a) Western Sub-Region and b) York Sub-Region.

The Western Sub-Region includes the Kleinburg tap (230 kV circuits V43 and V44 from Claireville TS). The Western Sub-Region does not directly impact Newmarket-Tay Power Distribution. During the Needs Assessment (NA) phase for the Western Sub-Region, completed in June 2014, a load restoration need for the loss of 230 kV radial circuits, V43/V44, was identified as Ontario Resource and Transmission Assessment Criteria (ORTAC) restoration times will not be met. It was

recommended that this need be further assessed and addressed as part of IESO's GTA West bulk system planning initiative.

The York Sub-Region was identified as a "transitional" sub-region as planning activities in the sub-region were already underway before the new regional planning process was introduced. The NA and Scoping Assessment (SA) phases were deemed to be complete and the regional planning process was considered to be in the Integrated Regional Resource Plan (IRRP) phase. The WG assessed the capacity and reliability needs of the sub-region to develop an integrated plan by taking into account the anticipated mix of resource investments (e.g. CDM, DG) versus wires options to address the electricity needs of the area. An IRRP report for the York Sub-Region was published in April 2015.

In the final phase of the regional planning process, Hydro One developed a Regional Infrastructure Plan (RIP) with the WG to confirm the needs identified in the IRRP, identify any new needs that have emerged, and further develop wires options to meet these needs. The RIP report was published in February 2016. There were a number of near term and mid-term transmission reinforcements identified to address the capacity and reliability needs of the York Sub-Region. The following are the reinforcements relevant to Newmarket-Tay Power Distribution needs:

#### Near Term 2015-2020

- Installation of two in-line breakers and associated motorized disconnect switches on circuit B82V/B83V at or close to the Holland TS property. This work will increase the transmission supply capacity and load restoration capability of the York Sub-Region. The project also includes design and implementation of a Load Rejection (L/R) and Generation Rejection (G/R) special protection scheme for the stations connected to B82V/B83V system, or have available operational measures adequate for providing similar relief, as permitted by ORTAC. The planned in-service date for this project is Q4 2017 at an estimated cost of \$32 million. This is anticipated to be transmission pool investment and no contribution is expected from the LDCs. Work has already been initiated to build these facilities.

#### Mid-Term 2021-2025

- Increased transformation capacity in Vaughan and Northern York Area will be required to meet forecast demand as early as 2023. Additional transmission supply capability to support new transformation capacity in these areas will also be required in the long term. Hence, it will be necessary to identify a preferred alternative by 2018 to addresses both the transformation capacity needs as well as the transmission supply capacity needs.

The first regional planning cycle for the GTA North Region is now complete with the publishing of the RIP Report in February 2016.

**Southern Georgian Bay/Muskoka**

The Southern Georgian Bay/Muskoka Region WG includes representatives from Hydro One, IESO and directly affected LDCs. Your LDC is an embedded LDC in this region and is supplied by Hydro One Distribution out of Waubaushene TS T5/T6.

A NA for the Region was completed in March 2015 and found that based on the net winter demand forecast, Waubaushene TS T5/T6 (a winter peaking station) remains below its normal supply capacity. Station capacity will be reassessed in the next regional planning cycle. The other needs identified in the region do not directly affect your LDC. For further information, regional planning updates and associated reports are posted on Hydro One's and IESO's regional planning websites.

Hydro One Networks would like to acknowledge and thank Newmarket-Tay Power Distribution for their work and effort in support of the Regional Planning process. We look forward to continuing to work with you in the future. If you have any further questions, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'Ajay Garg', with a long horizontal flourish extending to the right.

Ajay Garg, Manager – Regional Planning Coordination  
Hydro One Networks Inc.

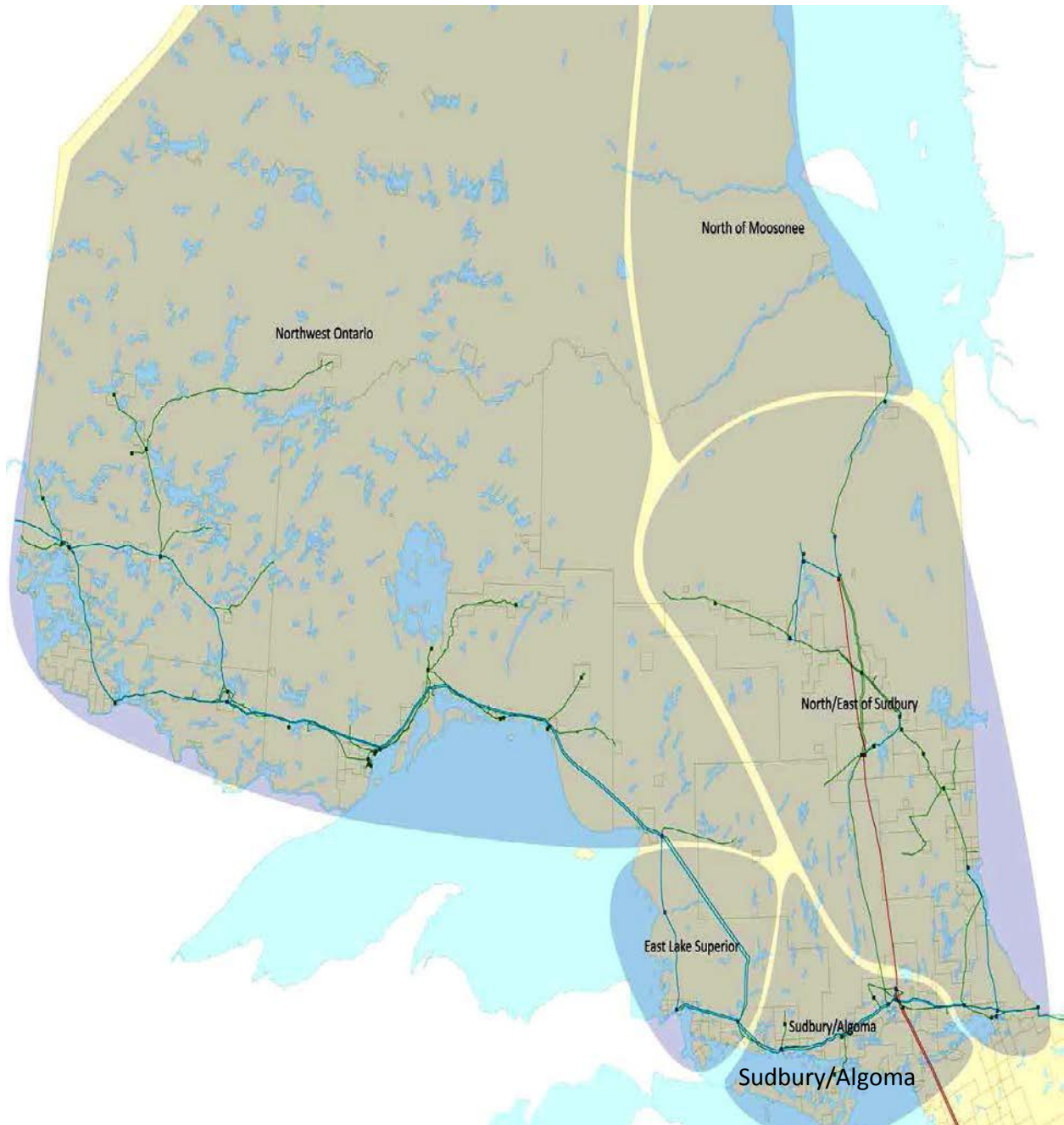
Cc:

Farooq Qureshy, Manager – System Planning (Central and East), Hydro One Networks Inc.

Ibrahim El-Nahas, Manager – System Planning (North and South West), Hydro One Networks Inc.

## Appendix A: Map of Ontario's Planning Regions

### Northern Ontario

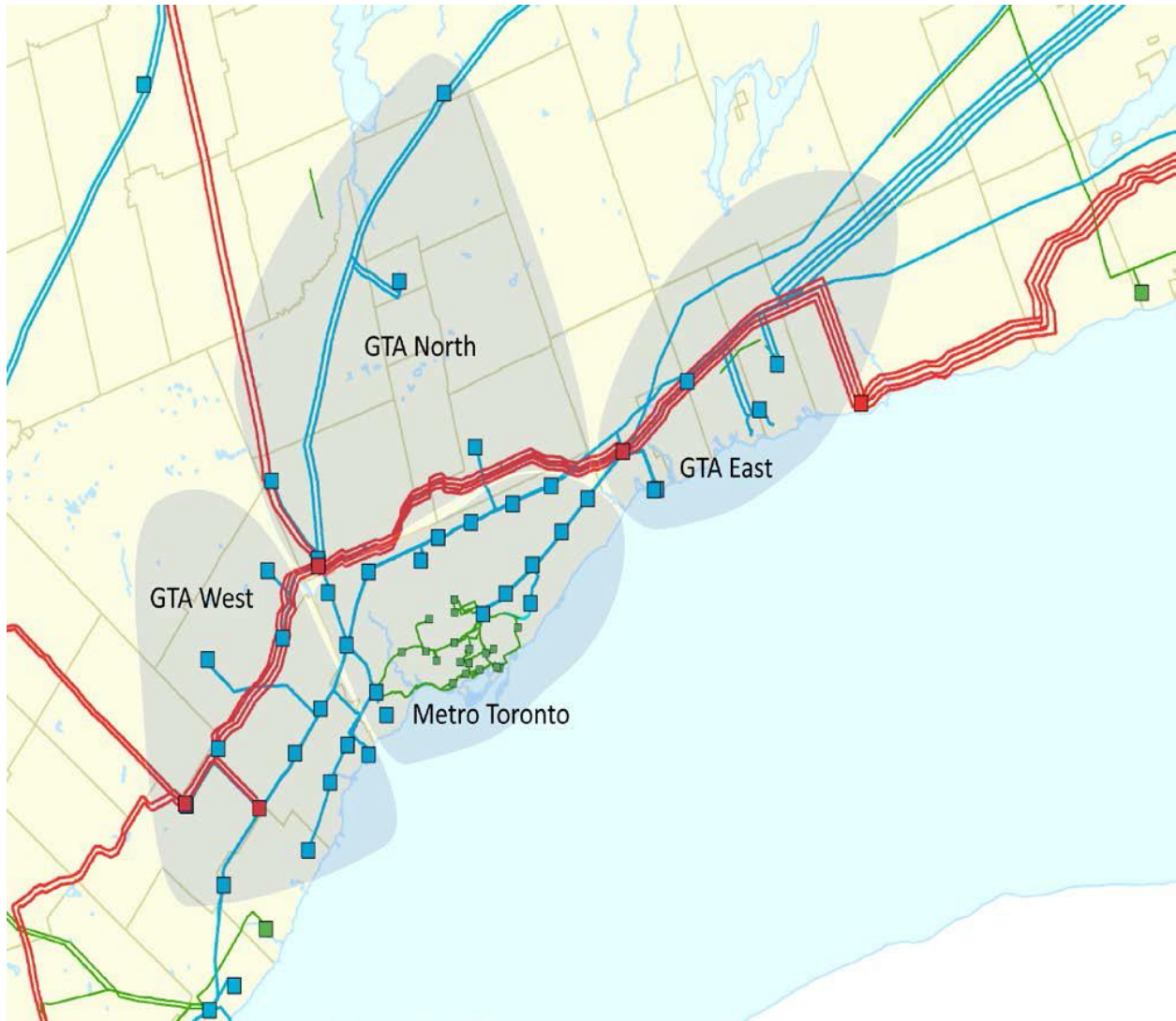


# Southern Ontario





## Greater Toronto Area (GTA)



<b>Group 1</b>	<b>Group 2</b>	<b>Group 3</b>
Burlington to Nanticoke	East Lake Superior	Chatham/Lambton/Sarnia
Greater Ottawa	London area	Greater Bruce/Huron
GTA East	Peterborough to Kingston	Niagara
GTA North	South Georgian Bay/Muskoka	North of Moosonee
GTA West	Sudbury/Algoma	North/East of Sudbury
Kitchener- Waterloo- Cambridge-Guelph ("KWCG")		Renfrew
Metro Toronto		St. Lawrence
Northwest Ontario		
Windsor-Essex		

## Appendix B: List of LDCs for Each Region

### [Hydro One as Upstream Transmitter]

Region	LDCs
1. Burlington to Nanticoke	<ul style="list-style-type: none"><li>• Brant County Power Inc.</li><li>• Brantford Power Inc.</li><li>• Burlington Hydro Inc.</li><li>• Haldimand County Hydro Inc.</li><li>• Horizon Utilities Corporation</li><li>• Hydro One Networks Inc.</li><li>• Norfolk Power Distribution Inc.</li><li>• Oakville Hydro Electricity Distribution Inc.</li></ul>
2. Greater Ottawa	<ul style="list-style-type: none"><li>• Hydro 2000 Inc.</li><li>• Hydro Hawkesbury Inc.</li><li>• Hydro One Networks Inc.</li><li>• Hydro Ottawa Limited</li><li>• Ottawa River Power Corporation</li><li>• Renfrew Hydro Inc.</li></ul>
3. GTA North	<ul style="list-style-type: none"><li>• Enersource Hydro Mississauga Inc.</li><li>• Hydro One Brampton Networks Inc.</li><li>• Hydro One Networks Inc.</li><li>• Newmarket-Tay Power Distribution Ltd.</li><li>• PowerStream Inc.</li><li>• PowerStream Inc. [Barrie]</li><li>• Toronto Hydro Electric System Limited</li><li>• Veridian Connections Inc.</li></ul>
4. GTA West	<ul style="list-style-type: none"><li>• Burlington Hydro Inc.</li><li>• Enersource Hydro Mississauga Inc.</li><li>• Halton Hills Hydro Inc.</li><li>• Hydro One Brampton Networks Inc.</li><li>• Hydro One Networks Inc.</li><li>• Milton Hydro Distribution Inc.</li><li>• Oakville Hydro Electricity Distribution Inc.</li></ul>

<p>5. Kitchener- Waterloo-Cambridge-Guelph (“KWCG”)</p>	<ul style="list-style-type: none"> <li>• Cambridge and North Dumfries Hydro Inc.</li> <li>• Centre Wellington Hydro Ltd.</li> <li>• Guelph Hydro Electric System - Rockwood Division</li> <li>• Guelph Hydro Electric Systems Inc.</li> <li>• Halton Hills Hydro Inc.</li> <li>• Hydro One Networks Inc.</li> <li>• Kitchener-Wilmot Hydro Inc.</li> <li>• Milton Hydro Distribution Inc.</li> <li>• Waterloo North Hydro Inc.</li> <li>• Wellington North Power Inc.</li> </ul>
<p>6. Metro Toronto</p>	<ul style="list-style-type: none"> <li>• Enersource Hydro Mississauga Inc.</li> <li>• Hydro One Networks Inc.</li> <li>• PowerStream Inc.</li> <li>• Toronto Hydro Electric System Limited</li> <li>• Veridian Connections Inc.</li> </ul>
<p>7. Northwest Ontario</p>	<ul style="list-style-type: none"> <li>• Atikokan Hydro Inc.</li> <li>• Chapleau Public Utilities Corporation</li> <li>• Fort Frances Power Corporation</li> <li>• Hydro One Networks Inc.</li> <li>• Kenora Hydro Electric Corporation Ltd.</li> <li>• Sioux Lookout Hydro Inc.</li> <li>• Thunder Bay Hydro Electricity Distribution Inc.</li> </ul>
<p>8. Windsor-Essex</p>	<ul style="list-style-type: none"> <li>• E.L.K. Energy Inc.</li> <li>• Entegrus Power Lines Inc. [Chatham-Kent]</li> <li>• EnWin Utilities Ltd.</li> <li>• Essex Powerlines Corporation</li> <li>• Hydro One Networks Inc.</li> </ul>
<p>9. East Lake Superior</p>	<p>N/A → This region is not within Hydro One’s territory</p>



10. GTA East	<ul style="list-style-type: none"> <li>• Hydro One Networks Inc.</li> <li>• Oshawa PUC Networks Inc.</li> <li>• Veridian Connections Inc.</li> <li>• Whitby Hydro Electric Corporation</li> </ul>
11. London area	<ul style="list-style-type: none"> <li>• Entegrus Power Lines Inc. [Middlesex]</li> <li>• Erie Thames Power Lines Corporation</li> <li>• Hydro One Networks Inc.</li> <li>• London Hydro Inc.</li> <li>• Norfolk Power Distribution Inc.</li> <li>• St. Thomas Energy Inc.</li> <li>• Tillsonburg Hydro Inc.</li> <li>• Woodstock Hydro Services Inc.</li> </ul>
12. Peterborough to Kingston	<ul style="list-style-type: none"> <li>• Eastern Ontario Power Inc.</li> <li>• Hydro One Networks Inc.</li> <li>• Kingston Hydro Corporation</li> <li>• Lakefront Utilities Inc.</li> <li>• Peterborough Distribution Inc.</li> <li>• Veridian Connections Inc.</li> </ul>
13. South Georgian Bay/Muskoka	<ul style="list-style-type: none"> <li>• Collingwood PowerStream Utility Services Corp. (COLLUS PowerStream Corp.)</li> <li>• Hydro One Networks Inc.</li> <li>• Innisfil Hydro Distribution Systems Limited</li> <li>• Lakeland Power Distribution Ltd.</li> <li>• Midland Power Utility Corporation</li> <li>• Orangeville Hydro Limited</li> <li>• Orillia Power Distribution Corporation</li> <li>• Parry Sound Power Corp.</li> <li>• Powerstream Inc. [Barrie]</li> <li>• Tay Power</li> <li>• Veridian Connections Inc.</li> <li>• Veridian-Gravenhurst Hydro Electric Inc.</li> <li>• Wasaga Distribution Inc.</li> </ul>

14. Sudbury/Algoma	<ul style="list-style-type: none"> <li>• Espanola Regional Hydro Distribution Corp.</li> <li>• Greater Sudbury Hydro Inc.</li> <li>• Hydro One Networks Inc.</li> </ul>
15. Chatham/Lambton/Sarnia	<ul style="list-style-type: none"> <li>• Bluewater Power Distribution Corporation</li> <li>• Entegrus Power Lines Inc. [Chatham-Kent]</li> <li>• Hydro One Networks Inc.</li> </ul>
16. Greater Bruce/Huron	<ul style="list-style-type: none"> <li>• Entegrus Power Lines Inc. [Middlesex]</li> <li>• Erie Thames Power Lines Corporation</li> <li>• Festival Hydro Inc.</li> <li>• Hydro One Networks Inc.</li> <li>• Wellington North Power Inc.</li> <li>• West Coast Huron Energy Inc.</li> <li>• Westario Power Inc.</li> </ul>
17. Niagara	<ul style="list-style-type: none"> <li>• Canadian Niagara Power Inc. [Port Colborne]</li> <li>• Grimsby Power Inc.</li> <li>• <b>Haldimand County Hydro Inc.*</b></li> <li>• Horizon Utilities Corporation</li> <li>• Hydro One Networks Inc.</li> <li>• Niagara Peninsula Energy Inc.</li> <li>• Niagara-On-The-Lake Hydro Inc.</li> <li>• Welland Hydro-Electric System Corp.</li> <li>• <b>Niagara West Transformation Corporation*</b></li> </ul> <p><b>*Changes to the May 17, 2013 OEB Planning Process Working Group Report</b></p>
18. North of Moosonee	N/A → This region is not within Hydro One's territory

19. North/East of Sudbury	<ul style="list-style-type: none"><li>• Greater Sudbury Hydro Inc.</li><li>• Hearst Power Distribution Company Limited</li><li>• Hydro One Networks Inc.</li><li>• North Bay Hydro Distribution Ltd.</li><li>• Northern Ontario Wires Inc.</li></ul>
20. Renfrew	<ul style="list-style-type: none"><li>• Hydro One Networks Inc.</li><li>• Ottawa River Power Corporation</li><li>• Renfrew Hydro Inc.</li></ul>
21. St. Lawrence	<ul style="list-style-type: none"><li>• Cooperative Hydro Embrun Inc.</li><li>• Hydro One Networks Inc.</li><li>• Rideau St. Lawrence Distribution Inc.</li></ul>