

| Engagement Information | | | | |
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| Date: | February 25, 2016 | | | |
| Location: | PowerStream Offices – Vaughan | | | |
| Subject: | York Region Local Advisory Committee Meeting #3 | | | |
| Attendees: | <table border="0"> <tr> <td style="vertical-align: top;"> <p><u>Committee Members</u> Dr. Alis Kennedy Avia Eek Behdad Bahrami Brent Kopperson Debra Scott Harry French Norm Vézina Teresa Cline</p> <p><u>Regrets</u> Dr. Anita Tucker Chief Donna BigCanoe Graham Seaman Jason Unger Jennifer Ladouceur Marc Pourvahidi Matt Hopps Peter Miasek Tricia Myatt</p> </td> <td style="vertical-align: top; padding-left: 20px;"> <p><u>Newmarket-Tay Power</u> Gaye-Donna Young Ted Wojcinski</p> <p><u>PowerStream</u> Riaz Shaikh John Sherin Alison Price Tamar Heisler</p> <p><u>Hydro One</u> Charlie Lee Ajay Garg</p> <p><u>IESO</u> Terry Young Bob Chow Nicole Hopper Luisa Da Rocha Amanda Flude Alexandra Barrett Bernice Chan</p> </td> <td style="vertical-align: top; padding-left: 20px;"> <p><u>Additional Attendees</u> Jennifer Wong, City of Markham Brian DeFreitas, Town of Richmond Hill</p> </td> </tr> </table> | <p><u>Committee Members</u> Dr. Alis Kennedy Avia Eek Behdad Bahrami Brent Kopperson Debra Scott Harry French Norm Vézina Teresa Cline</p> <p><u>Regrets</u> Dr. Anita Tucker Chief Donna BigCanoe Graham Seaman Jason Unger Jennifer Ladouceur Marc Pourvahidi Matt Hopps Peter Miasek Tricia Myatt</p> | <p><u>Newmarket-Tay Power</u> Gaye-Donna Young Ted Wojcinski</p> <p><u>PowerStream</u> Riaz Shaikh John Sherin Alison Price Tamar Heisler</p> <p><u>Hydro One</u> Charlie Lee Ajay Garg</p> <p><u>IESO</u> Terry Young Bob Chow Nicole Hopper Luisa Da Rocha Amanda Flude Alexandra Barrett Bernice Chan</p> | <p><u>Additional Attendees</u> Jennifer Wong, City of Markham Brian DeFreitas, Town of Richmond Hill</p> |
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| Meeting Materials | <p>http://www.ieso.ca/Pages/Participate/Regional-Planning/GTA-North/York-Region.aspx A copy of all presentations are available at the LAC Meeting Materials Link above.</p> | | | |

| | Key Topics | * Follow up Actions |
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| 2 | <p>Welcome, Introductions and Administrative Items</p> <ul style="list-style-type: none"> Terry Young, Vice President, Conservation and Corporate Relations, IESO welcomed everyone and gave a brief historic background on the regional planning process and the discussions involved. He touched upon the recommendation for a wires solution to meet the near-term need in the Markham and Richmond Hill area. Mr. Young also talked about the potential for community-based energy solutions and conservation to influence how the sector addresses electricity needs in the longer-term. The LAC could play an important role in the development of these conservation and community-based energy solutions over the longer-term. The Local Advisory Committee process is new for the IESO, and the nature of LAC discussions will change over time as the process develops. The IESO will make sure that the discussions continue. | |

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| | <ul style="list-style-type: none"> Amanda Flude, Senior Advisor, Regional and Community Engagement provided an overview of the agenda and roundtable introductions were made. | |
| 3 | <p>Summary of Feedback from LAC on Markham Area Needs</p> <ul style="list-style-type: none"> Presentation delivered by Amanda Flude. <ul style="list-style-type: none"> Key themes from feedback <ul style="list-style-type: none"> Near-term needs in the Markham area are clear; should be referred to as the Markham/Richmond Hill needs More information on cost, location and feasibility is desired by LAC members and needed prior to engaging the broader community in the discussion A broad range of criteria should be used during the evaluation process for options Discussions should take place in partnership with municipalities and utilities; should take LAC feedback into account | |
| 4 | <p>Update Presentation and Discussion on Needs and Options in Southern York Region</p> <ul style="list-style-type: none"> Presentation delivered by Riaz Shaikh, Manager, Engineering Planning and John Sherin, Director, Conservation, PowerStream. A copy of the presentation is available at the LAC Meeting Materials link above. <ul style="list-style-type: none"> PowerStream (South) will require approximately 50 MW of peak capacity each year from 2016-2025 to meet projected growth in the area Aggressive conservation programs are forecasted to reduce peak demand by 8.5 MW each year over that time period The customer uptake rate for new energy solutions (i.e. residential solar, combined heat and power, etc.) is predicted to be low in the near future due to cost and technical feasibility Strong growth in the northern part of Markham-Richmond Hill is expected to exceed the system capacity around 2023/2024. A new transformer station in the Markham area may be required. Given the long lead time required to develop infrastructure (e.g. 5-7 years for transmission), it is important to start building awareness now | |
| 6 | <p>Presentation and Discussion: Markham/Richmond Hill in the context of Broader Regional Needs</p> <ul style="list-style-type: none"> Presentation delivered by Nicole Hopper, Senior Planner <ul style="list-style-type: none"> Based on PowerStream’s latest demand forecast, electricity demand growth will exceed the system capacity in Markham/Richmond Hill around 2023, and in Vaughan around 2026. Based on discussions with the three LDCs, the need in Northern York Region is expected to be later than previously forecast and will need to be updated. The Technical Working Group will confirm the growth assumptions with affected municipalities and will update the timing of these needs accordingly. <ul style="list-style-type: none"> A solution to address the needs in Markham and Richmond Hill will not limit options for Northern York Region or Vaughan, and because of this and the timing of the need, the Working Group proposes to focus first on developing a solution for Markham/Richmond Hill. The Technical Working Group, which is comprised of IESO, Hydro One Transmission and Distribution, PowerStream and Newmarket-Tay Power, | <ul style="list-style-type: none"> <input type="checkbox"/> Members of the Working Group to meet with the City of Markham and Town of Richmond Hill individually to discuss growth forecasts, and provide more information about the recommendation and next steps. <input type="checkbox"/> The Working Group to prepare a strategy and mapping document, outlining the focus for the LAC going forward, to be presented at the |

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| <p>examined various options to address electricity needs in Markham-Richmond Hill in early 2020s. Extensive conservation efforts and pilots are already underway. Demand savings from these initiatives are already accounted for in the demand forecast. Given the timing and magnitude of the growth, it is difficult to rely on additional community-based solutions to avoid wire solutions. To maintain a reliable source of supply, the Technical Working Group recommends reinforcements of the Markham-Richmond Hill electricity system, which will include a new transformer station in the Markham/Richmond Hill area and a combination of distribution and transmission lines.</p> <ul style="list-style-type: none"> ○ No decisions have been made at this time regarding station locations and siting of lines to address the Markham-Richmond Hill needs. Siting and routing options will be determined and discussed as part of the project development process (e.g. Environmental Assessment). There will be opportunity for public input into this process. ○ Over the longer term, electricity demand growth in Northern York Region and Vaughan will exceed the system capability in the mid-2020s. Given the timing of the need, there may be the opportunity to defer the need through community-based solutions, including conservation efforts that are incremental to the efforts of the LDCs. However, given the timing and size of the growth, system reinforcements may eventually be required and options will need to be examined. <ul style="list-style-type: none"> ● The committee provided the following comments and questions during the meeting: <ul style="list-style-type: none"> ○ There have been concerns raised regarding transparency in the regional planning process, an unclear mandate and strategy for the committee, and a lack of clarity on the ability to provide input into York Region's electricity future. ○ Some LAC members stated that they felt misled into thinking that they were able to influence the final recommendation for the Markham/Richmond Hill area ○ LAC members suggested that the Technical Working Group should first meet and discuss recommendations with affected municipalities before presenting the recommendations at the LAC meeting ○ LAC members felt unclear on the committee's role beyond information sharing by the Working Group on the regional planning process and recommendations. There should be value for members participating on the committee. ○ LAC members would like to focus future committee meetings on: <ul style="list-style-type: none"> - Technical learning to help further understanding of the electricity system - Setting expectations of LAC member involvement - How the committee can stay engaged - The areas that the Working Group will be seeking advice on versus topics that will be covered as part of information sharing ○ LAC members indicated that municipalities in Northern York Region are advocating for developing a new transportation corridor linking Highway 400 and Highway 404 to relieve traffic congestion. Any long-term transmission requirements in that area should coordinate with existing and future corridors as best as possible. ○ Members would like to know how they can participate in the Class EA process, to be part of the discussion on the location and siting of transmission infrastructure. ○ LAC members requested to be kept updated on any issues or developments that may arise between meetings. | <p>next LAC meeting for discussion. This is to include a timeline, milestones and objectives.</p> |
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| 9 | <p>Closing Remarks</p> <ul style="list-style-type: none"> • Amanda Flude delivered closing remarks: <ul style="list-style-type: none"> - Discussions on timing for next meeting will continue. LAC members had asked for monthly meetings during earlier meetings, but want to ensure that meetings make the best use of the committee's time and consider the preparation that is required for each meeting. This is something to explore as the Working Group maps out the committee objectives and timelines. - Goals and Terms of Reference of the committee will be re-evaluated, and discussed at the next committee meeting for refinement - Working Group to discuss comments and suggestions provided by LAC members, and will be in touch with the committee with more information on next steps once it becomes available. | |
| | <p>Meeting closed at 8:30 pm</p> <p>Next meeting – exact timing TBD and will be communicated by the IESO</p> | |