

1 **INTERROGATORY #1**

2
3 **Interrogatory**

4
5 Ref. Exhibit B, Tab 1, Schedule 4, page 6, lines 5 to 8

6
7 **Preamble:**

8
9 Hydro One states in its evidence that the thermal rating of the R19T and the R21T
10 northbound circuits from Hanlon Junction to Pleasant TS limits the total power transfer
11 capability circuits to 422 MW. The Applicant further states in Exhibit B, Tab 1,
12 Schedule 4, page 5, Table 1, that the total load on these circuits had a 2005 summer peak
13 demand of 433 MW.

14
15 **Questions:**

- 16
17 (i) Please provide the actual peak summer demand load on R19T and R21T
18 northbound circuits from Hanlon Junction to Pleasant TS for each year of the last
19 five years (2002 to 2006 inclusive).
20
21 (ii) For the five year period noted above, please provide documentation illustrating
22 the comparison of previously forecasted summer peak demand load with the
23 demand that actually occurred on these two circuits.
24
25 (iii) With regard to the actual peak summer demand for each of the years noted above
26 for the circuits in question, indicate the contribution to the peak demand from
27 each of the two distributors making up this demand (namely the Hydro One
28 Brampton service area feeders and the Hydro One Networks – Distribution
29 service area feeders) and indicate the delivery point demarcation for each of these
30 distributors.

31
32 **Response**

- 33
34 (i) Table 1 illustrates the peak summer demand load on the R19T and R21T
35 northbound circuits from Hanlon Junction to Pleasant TS for the last five years
36 (2002 to 2006 inclusive). Table 1 further delineates the contribution to the peak
37 demand from each of the two distributors making up this demand (namely the
38 Hydro One Brampton service area feeders and the Hydro One Networks –
39 Distribution service area feeders) and indicates the delivery point demarcation for
40 each of these distributors.

1

Table 1

Actual Peak-Load by Delivery Point Coincident with Jim Yarrow MTS and Pleasant TS Total (MW)

Station / Customer	Delivery Point ID	Year				
		2002	2003	2004	2005	2006
<u>Jim Yarrow MTS</u>						
Hydro One Brampton Networks Inc.	108051	81	87	62	103	133
Total		81	87	62	103	133
<u>Pleasant TS</u>						
Hydro One Brampton Networks Inc.	103549	219	243	223	265	244
Hydro One Networks Inc	103550	60	63	57	66	67
Total		279	306	281	331	311
Grand Total		359	393	343	435	444

2

3 (ii)

4

5

6

7

8

Table 2 illustrates the updated* forecasted summer peak demand load as well as the comparison of the updated forecasted summer peak demand load with the demand that actually occurred on these two circuits. There was no load forecast estimate for 2002 and 2003.

Table 2

Updated* Load Forecast by Station (MW)

Weather normal

Station	2004	2005	2006
Jim Yarrow MTS	74	101	120
Pleasant TS	270	327	309
Total	344	428	429
Actual Peak-Load from Table 1 above	343	435	444
Difference (Actual-Forecast)	-1MW	+7MW	+15MW

9

10

11

12

* the load forecast was recently updated to reflect the most recent load analysis since the previous submission is now dated.

(iii) See answer to Part I above.

1
2 **INTERROGATORY #2**
3

4 **Interrogatory**
5

6 Ref. Exhibit A, Tab 2, Schedule 1, page 3, lines 10 to 18
7

8 **Preamble:**
9

10 Hydro One states that it requires no capital contribution from transmission customers for
11 this project since the “proposed facilities meet the requirements of section 6.3.6. of the
12 Transmission System Code” and have been included in the transmission plans for this
13 area.
14

15 **Questions:**
16

- 17 (i) The applicant states that this reinforcement was already included in its
18 transmission plans and so under section 6.3.6 of the Transmission System Code
19 (TSC) no capital contribution would be required. If this is the case, please
20 describe all stages in the Hydro One planning, design, procurement and
21 construction process for projects such as the one in question and submit
22 corroborating documentation showing the steps that were completed when the
23 Application was submitted to the Board.
24
- 25 (ii) The Applicant states that this reinforcement was already included in its
26 transmission plans. With regard to this plan, please provide a copy of the plan in
27 question as well as responses to the following questions:
28
- 29 (a) when was the plan prepared?
30
- 31 (b) was the plan prepared by Hydro One on its own initiative, or was it prepared
32 at the request of a third party?
33
- 34 (c) if the plan was prepared by Hydro One on its own initiative, what triggered the
35 preparation of the plan?
36
- 37 (d) if the plan was prepare at the request of a third party please identify the party.
38
- 39 (iii) Does this project require that work contemplated in the plan be advanced? If so,
40 what are the advancement costs?
41
- 42 (iv) Provide a listing of all Hydro One applications for transmission connection
43 reinforcement in the last two years and for each application state if a capital

1 contribution was or was not requested by Hydro One and the reasons why a
2 contribution was or was not requested.

3

4 **Response**

5

6 (i) As stated in Exhibit A, Tab 2, Schedule 1 page 3, the proposed facilities meet the
7 requirements of Section 6.3.6 of the Transmission System Code (TSC) since this
8 project involves upgrading transmission facilities for Local Area Supply (LAS)
9 and based on Hydro One's application for Approval of Connection Procedures
10 (EB-2006-0189) these facilities do not require a capital contribution.

11

12 The following are the stages in the Hydro One planning, design procurement and
13 construction process for projects such as this one.

14 i Identify the Need:

15

16 The Ontario Power Authority (OPA) through the IPSP is now the authority to
17 determine the need. However, the need for this project was determined before the
18 OPA existed. The need to reinforce the Pleasant tap was determined through a
19 Joint Utility Planning Study dated February 16, 2006, and provided in Exhibit B,
20 Tab 6, Schedule 5 of the application. As noted in Exhibit B, Tab 1, Schedule 4,
21 page 1 of the application, subsequent to this study, the OPA, Hydro One, and the
22 Independent Electricity System Operator (IESO) found that the analysis of that
23 study only partially addressed the need and that further reinforcement was
24 required beyond that provided by the Hurontario Station and line project. This
25 was documented in the IESO System Impact Assessment for the Hurontario
26 Station and Line Project (File EB-2006-0215, Exhibit B, Tab 6, Schedule 3).

27

28 The IESO in their Ontario Reliability Outlooks found in Exhibit B, Tab 6,
29 Schedule 6 also identified the need for this project. It is shown in Table 3 of
30 projects under study or proposed to address Regional Requirements. Also see
31 http://www.ieso.ca/imoweb/pubs/marketReports/ORO_Report-2006-1-2.pdf and
32 http://www.ieso.ca/imoweb/pubs/marketReports/ORO_Report-2007-2-1.pdf

33

34 ii Identify alternatives:

35

36 Viable alternatives to meet the need were then identified and evaluated. These
37 were documented in the February 16, 2006, Joint Utility Planning Study referred
38 to above. The alternatives considered for this project are documented in Exhibit
39 B, Tab 3, Schedule 1 of this application.

40

41 iii Select preferred alternative:

42

43 After an evaluation of the viable alternatives was completed, the preferred
44 alternative was identified as discussed in Exhibit B, Tab 3, Schedule 1.

1 iv Preliminary engineering:
2

3 Subsequent to the preferred alternative being identified, the preliminary
4 engineering to complete the project was developed by Hydro One Networks'
5 Engineering and Construction Services (E&CS) group. This work is documented
6 in the Planning Specification and includes a description of the work and an
7 estimate of the costs. The specification was originally issued on October 1, 2006
8 and updated on December 6, 2006. The details of the specification are provided in
9 Exhibit B, Tab 4, Schedule 2 of the application.
10

11 The other stages in the Hydro One process include; the detailed design;
12 procurement; construction; and commissioning. All of these activities are initiated
13 after the Leave to Construct, Section 92 has been approved by the Board.
14

15 The collaborating documentation submitted as part of this application includes
16

- 17 • The West GTA Joint Utility Planning Study dated February 16, 2006, and
18 provided in Exhibit B, Tab 6, Schedule 5;
- 19 • IESO System Impact Assessment (SIA) for the Hurontario Station and
20 Line Project (File EB-2006-0215, Exhibit B, Tab 6, Schedule 3) and
21 referred to at page 2 of Exhibit B, Tab 1, Schedule 4 of this Application.
- 22 • IESO's SIA for this Application filed at Exhibit B, Tab 6, Schedule 3.
- 23 • OPA's endorsement letter dated September 14, 2006 filed as Exhibit B,
24 Tab 6, Schedule 2.
- 25 • The IESO's Ontario Reliability Outlooks found in Exhibit B, Tab 6,
26 Schedule 6 of the EB-2006-0215 application.
- 27 • Exhibit B, Tab 3, Schedule 1 of this application describing alternative and
28 preferred alternative.
- 29 • The details of the engineering specifications Exhibit B, Tab 4, Schedule 2
30 of the application.

31
32 (ii) Hydro One's Transmission Plan is not one document but rather a culmination of
33 several planning documents that together become "The Transmission Plan". For
34 this application the documents listed in part (i) of this interrogatory response are
35 the transmission plan documents.
36

37 The chronology of events listed below provide Hydro One's response to parts (a)
38 through (d) of this question;
39

- 40 • Spring 2004: informal discussions within Hydro One and between area LDC's
41 Enersource Hydro Mississauga (EHM) and Hydro One Brampton (HOBI)
42 indicate concern with capability of the Transmission Network to supply future
43 load growth.

- 1 • June 28, 2004: A joint planning meeting between Hydro One, EHM, HOBI,
2 Hydro One Distribution and Halton Hills Hydro to discuss transmission
3 constraints in the GTA-West area took place. Hydro One initiates a joint
4 planning study to ensure that the transmission network has sufficient capacity
5 to meet the LDC needs. The LDC input consists of their growth projections
6 (amount and location)
- 7 • September 30, 2004: Preliminary results were presented. Comments on
8 preliminary results and further data requested from LDCs. Decided to ask
9 Milton Hydro was requested to participate as well.
- 10 • November 26, 2004: Final results meeting reviewed a comprehensive plan for
11 future transformer station development and requisite transmission
12 reinforcement. The need date for transmission reinforcement was found to be
13 2009 and hence work would not have to be initiated until 2006. It was
14 decided to take no further action for about a year.
- 15 • Late 2005 and early 2006: Began work to finalize report. Draft results were
16 presented to IESO and OPA on February 7, 2006, for their comments and
17 their subsequent input was incorporated.
- 18 • February 16, 2006: Final report presented to LDC's and their sign-off was
19 obtained
- 20 • April 10, 2006, Hydro One applied for the SIA for Hurontario SS and line
21 extension (CAA ID 2006-224). A revision was applied for on August 25,
22 2006.
- 23 • October 4, 2006 Hydro One applied for the SIA for Hurontario SS to Jim
24 Yarrow (CAA ID 2006-248)
- 25 • September 14, 2006 OPA provided Hydro One with their endorsement letter.

26
27 (iii) Exhibit B, Tab 1, Schedule 4 confirms the need of the project and there is no
28 advancement of the contemplated work.

29
30 (iv) Hydro One has not filed any Leave to Construct applications with the OEB for
31 transmission connection reinforcement projects in the last two years. Below,
32 Hydro One has listed the types of transmission connection reinforcement projects
33 that Hydro One has proposed over the last two years and whether a capital
34 contribution has been required and / or requested and the reasons why.

35
36 Local Area Supply (LAS) Projects: Local Area supply projects are listed in
37 Exhibit D1, Tab 3, Schedule 3, page 13 of our transmission rate application (EB-
38 2006-0501). As discussed in that proceeding, none of these projects, other than
39 the Leaside TS to Birch Junction transmission reinforcement project, are subject
40 to any capital contribution based on Hydro One's application for Approval of
41 connection Procedures (EB-2006-0189) in accordance with Section 6.3.6 of the
42 Transmission System Code.

1 Generation Projects: Generation customer connection projects are listed in Exhibit
 2 D1, Tab 3, Schedule 3, page 14, EB-2006-0501. None of these projects are
 3 subject to any capital contribution since the proposed generator is responsible for
 4 all costs associated with connection facilities.

5
 6 All Hydro One load connection projects require a capital contribution to cover the
 7 cost of the connection facility to meet the load customer's needs. The capital
 8 contribution may only be necessary to the extent that the cost of the connection
 9 facility is not recoverable in connection rate revenues. The following table
 10 provides a list of the load connection projects for the last two years:
 11

<u>Applicant</u>	<u>Type of Facility</u>	<u>Agreement Date</u>	<u>Capital Contribution</u>
Utility A	Breaker positions at TS	Jan 26, 2005	None Required
Industry A	New transformer station	Feb 5, 2005	Yes
Utility B	8 New Feeder Breakers	Mar 1, 2005	None Required
Industry B	Connection to MTS	Dec 13, 2005	Yes
Utility C	Add Second DESN	Jan 11, 2006	None Required
Utility D	Four New Feeders and 2 nd DESN	Jan 26, 2006	None Required
Industry C	Site connection	May 12, 2006	Yes
Industry D	Transformer Station and 115 kV Circuit Tap	June 26, 2006	Yes
Utility E	2 New Feeder Breakers	June 1, 2006	None Required
Utility F	TS Expansion Project	Nov 23, 2006	Yes
Utility G	Two 27.6 kV Feeder Breaker Positions	Dec 20, 2006	None Required
Utility H	TS – Increase Capacity	Mar 28, 2007	Yes

12
 13

1 **INTERROGATORY #3**

2
3 **Interrogatory**

4
5 Ref. Exhibit B, Tab 2, Schedule 3, page 1, sketch

6
7 **Preamble:**

8
9 A Sketch is provided of the transmission circuits indicating a proposed installation
10 utilizing cables encased in concrete.

11
12 **Question:**

13
14 Considering that the buried cables will be in a very secure location and are unlikely to be
15 disturbed, why is concrete encasement being proposed rather than a design utilizing an
16 earth cut trench, limestone screenings backfill and a cover of paving slabs?

17
18 **Response**

- 19
20 • The two cable circuits will be installed mainly along a Right-of-Way (ROW) of an
21 existing Hydro One 230kV overhead circuit. The route where the cables are to be
22 installed is not in a secure location since the Hydro One ROW is accessible to the
23 general public and other infrastructure services could also be located in close
24 proximity, especially at road crossings.
- 25
26 • It is not the intention of our proposal to have the cables encased completely inside
27 concrete. As shown in the sketch submitted to the OEB, in Exhibit B, Tab 2, Schedule
28 3, the typical cable trench section will consist of an open cut earth trench, backfilled
29 with limestone screenings. For mechanical protection of the cables, 100mm thick
30 25MPa concrete cable protection tiles will be installed above the cables. Since the
31 cables are installed in an open area, for public safety, 100mm thick 25MPa concrete
32 vertical side walls will also be installed on each side of the cable trench and between
33 the two circuits to prevent the accidental mechanical contact of the cables from the
34 side of the cable trench.
- 35

1 **INTERROGATORY #4**

2
3 **Interrogatory**

4
5 Ref. Exhibit B, Tab 3, Schedule 1, page 2, lines 4 to 7

6
7 **Preamble:**

8
9 Hydro One has rejected the overhead option as Hydro One believes it is not possible to
10 add two additional overhead circuits to the existing ROW while maintaining a two circuit
11 supply to Jim Yarrow MTS and Pleasant TS at all times during construction.

12
13 **Questions:**

- 14
15 (i) Given that the ROW may not be able to accommodate two temporary 230 kV
16 circuits and the existing facilities and/or construction activities, could one 230 kV
17 circuit (with vertical spacing) be put in place?
18
19 (ii) Please provide the probability of a complete loss of supply at Pleasant TS and Jim
20 Yarrow MTS when connected to 3 km of single circuit 230 kV temporary
21 overhead line at this location and contrast this with the probability of a complete
22 loss of supply at Pleasant TS and Jim Yarrow MTS when connected to 3 km of
23 double circuit 230 kV temporary overhead line at this location.

24
25 **Response**

- 26
27 (i) Since a temporary single circuit 230 kV line will not be adequate to maintain
28 supply in the area as described below we did not further investigate whether a
29 single circuit line could physically fit onto the ROW.
30
31
32 (ii) Hydro One does not consider the “probability” of a loss of supply but rather the
33 deterministic criteria which includes being able to withstand a single circuit
34 contingency with everything in service or with a single circuit out-of-service.
35 Applying this criteria to a load pocket of the size of this project (250 to 500 MW),
36 a double circuit bypass is necessary. Also, the customer deliverability
37 requirements (ref:
38 http://www.ieso.ca/imowebpub/200612/IMO_REQ_0041_txv2.pdf) requires that
39 a load of between 250 and 500MW be capable of being “restored rapidly” in the
40 event of a contingency. Restored rapidly is interpreted to mean that it can be
41 restored by switching from a manned location. In the event of a permanent fault
42 on a single circuit, restoring rapidly cannot be achieved because there would be
43 no supply from a back-up source.
44

1 **INTERROGATORY #5**

2
3 **Interrogatory**

4
5 Ref. Exhibit B, Tab 4, Schedule 2, page 1, table 2

6
7 **Preamble:**

8
9 Considering that Hydro One estimated the cost of the 230 kV Cardiff to Hurontario
10 double circuit overhead line to be \$2 M/km (corroborated by the cost for the Bramalea to
11 Cardiff line), that would make the cost for comparable underground circuits in the range
12 of \$10 M/km to \$14 M/km using Hydro One's well-documented underground/overhead
13 multiplier of (a range of) 5 to 7.

14
15 **Questions:**

- 16
17 (i) Given that Hydro One has indicated in its evidence that the projected cost for the
18 proposed 3.0 km of double circuit underground transmission line is \$ 42.5 M
19 (\$14.2 M/km), please explain why the cost is not lower since in this application
20 the polymeric cable is used (no requirement for pumping plants or oil handling
21 facilities), the route is flat with limited bends and there should be very few
22 obstructions?
23
24 (ii) Please provide a detailed cost breakdown for the last three underground
25 transmission projects completed by Hydro One (or a predecessor company) that
26 are most similar to the proposed project. Please detail these costs as to:
27
28 (a) Materials, by major component;
29 (b) Construction;
30 (c) Engineering;
31 (d) Commissioning;
32 (e) Contingencies; and
33 (f) Overheads (break down into Direct Overheads and Indirect Overheads); and
34 AFUDC

35
36 **Response**

- 37
38 (i) The savings that will be realized by not requiring pumping plants and fluid
39 handling systems are more than offset by other factors. In particular, the price of
40 copper has increased significantly in recent years (e.g. the price of copper in 2007
41 is well over 3 times what it was in 1999). The manufacturer of the power cable
42 requires a large amount of copper metal.

43
44 Also, while the route is quite flat, there are a number of significant obstacles
45 which impact costs, including:

- 1 • The requirement to run under Fletchers Creek;
- 2 • The requirement to (further along the route) run quite close to the foundation of
- 3 the 407 Bridge over Fletchers Creek and under the 407 electrical infrastructure;
- 4 • The requirement to run under the local underground services like local hydro,
- 5 cable, water, sewage, phone lines etc at every road crossing (6 road crossings)
- 6 • The LDC has a significant number of under ground Hydro feeders and the typical
- 7 local under ground obstacles at the intersection of Mavis and Steeles Sts.. The
- 8 double 230 kV circuits will need to run diagonally under this intersection.

9

10 (ii) The following 3 underground transmission projects are most similar to the

11 Western Brampton Project. There are, however substantial differences among

12 these projects, including the type of cable system, the cable size, and the in-

13 service date. These differences make any comparison more difficult. Also, all of

14 the projects listed below were carried out on a turn-key contract basis,

15 consequently detailed cost breakdowns, as requested, are not available for these

16 projects.

17

Project	# ccts	Year	km	kV	Cable Size (kcmil)	Project Cost (2007 \$'000)	Approx cost per cct-km (2007 \$'000)	Remarks
Western Brampton Reinforcement	2	2009	3.0	230	3500	\$42,500	\$ 7,100	XLPE cable direct buried, concrete above, 12 potheads, directional boring 8 street crossings.
Applewood Jct. x Cooksville TS	1	2005	1.3	230	3200	\$6,700	\$ 5,200	XLPE cable direct buried, 6 potheads, directional boring 6 street crossings
Windsor Essex TS x Ford Powerhouse	2	2000	5.0	115	1250	\$26,980	\$ 2,700	8" Pipe, 24 Potheads, pumping station
Riverside Jct x Strachan TS	2	1993	6.5	115	2250	\$56,050	\$ 4,300	8" Pipe, 12 Potheads, brick bldg., Cathodic protection

Note: Actual Costs of these projects have been escalated using a factor of 3% per year to make them more comparable. This escalation does not include the additional cost escalation for materials due to extraordinary market conditions. Copper prices are most affected and have increased significantly in recent years.

INTERROGATORY #5a

Interrogatory

Preamble:

The Applicant has estimated that the project would consist of requirements for Lines, Stations and Telecommunications work.

Questions:

Please indicate the following:

- (i) those items that will be subject to the competitive bidding;
- (ii) those items that will be contracted out without competitive bidding;
- (iii) those items that will be neither competitively bid nor contracted out;
- (iv) the reasons why the items listed under iii) are neither contracted out nor competitively bid

Response

- (i) The supply, installation and engineering of the underground transmission line will be subject to competitive bidding on a turnkey contract basis. All other station and telecommunication permanent equipment & materials; supplies; consumable materials; most transport & work equipment; surveys and geotechnical investigations are also competitively bid.
- (ii) In accordance with company purchasing policy, no items over \$6,000 in value can be contracted without competitive bidding, unless specific permission is given. Such permission is subject to stringent review, must be shown to be in the best interest of the company and is granted under rare special circumstances.
- (iii) There are no material items that will neither be competitively bid nor contracted out. The majority of engineering, commissioning and construction labour are performed by Hydro One regular employees and casual construction trades and therefore do not require a bidding process.
- (iv) These services are generally provided by Hydro One regular employees and casual construction trade as provided under Hydro One's labour agreements with its unions. These groups have the specific experience and knowledge of the Hydro One power system facilities to carry out this work safely and efficiently.

1 **INTERROGATORY #6**

2
3 **Interrogatory**

4
5 Ref. Exhibit B, Tab 6, Schedule 6, page 3, lines 21 to 23

6
7 **Preamble:**

8
9 Considering that Hydro One has provided a project briefing to the Mississaugas of the
10 New Credit First Nation and the Haudenosaunee Six Nations Confederacy Council,

11
12 **Questions:**

13
14 Please provide a status report on consultations with First Nations communities with
15 respect to the following points:

- 16
17 (i) Identify all the First Nations groups that have been contacted in respect of this
18 application
19
20 (ii) Indicate:
21
22 (i) how the First Nations groups were identified;
23
24 (ii) when contact was first initiated;
25
26 (iii) the individuals within the First Nations groups who were contacted, and their
27 position in or representative role for the group;
28
29 (iv) a listing, including the dates, of any phone calls, meetings and other means
30 that may have been used to provide information about the project and hear any
31 interests or concerns of First Nations groups with respect to the project.
32
33 (iii) Provide relevant information gathered from or about the First Nations groups as to
34 their treaty rights, or any filed and outstanding claims or litigation concerning
35 their treaty rights or treaty land entitlement or aboriginal title or rights, which may
36 potentially be impacted by the project.
37
38 (iv) Provide any relevant written documentation regarding consultations, such as notes
39 or minutes that may have been taken at meetings or from phone calls, or letters
40 received from, or sent to, First Nations groups.
41
42 (v) Identify any specific issues or concerns that have been raised by First Nations
43 groups in respect of the project and, where applicable, how those issues or
44 concerns will be mitigated or accommodated.

- 1 (vi) Explain whether any of the concerns raised by First Nations groups with respect
2 to the applied-for project have been discussed with any government department or
3 agencies, and if so, identify when contacts were made and who was contacted.
4
- 5 (vii) If any of the First Nations groups who were contacted either support the
6 application or have no objection to the project proceeding, identify those groups
7 and provide any available written documentation of their position. Also, indicate
8 if their positions are final or preliminary or conditional in nature.
9
- 10 (viii) Provide details of any known Crown involvement in consultations with First
11 Nation groups in respect of the applied-for project.
12

13 Response
14

- 15 (i) The First Nations groups that were contacted in respect to this project were
16 the Haudenosaunee Six Nations Confederacy Council, the Six Nations Elected Council,
17 the Mississaugas of New Credit First Nation, and the Huronne-Wendate First Nation.
18
- 19 (ii) As requested:
20
- 21 i. The First Nations groups deemed to have a potential interest in the project were
22 identified through research and consultation with representatives from the
23 Ontario Native Affairs Secretariat (ONAS) and the Federal Department of Indian
24 Affairs.
25
- 26 ii. Contact with the First Nations groups were first initiated regarding this project in
27 late September / early October 2006.
28
- 29 iii. Contacts regarding the project were made with Ms. Margaret Sault, Director of
30 Research, Lands and Membership for Mississaugas of New Credit, and Mr. Paul
31 Williams, external counsel for Haudenosaunee Six Nations Confederacy Council.
32 Letters of notification for the Class Environmental Assessment (EA) (which
33 describes the project) were sent to the following parties:
34
- 35 Chief David General
36 Six Nations of the Grand River Territory
37
- 38 Chief Allen MacNaughton
39 Haudenosaunee Six Nations Confederacy Council
40
- 41 Chief Bryan LaForme
42 Mississaugas of the New Credit First Nation
43
- 44 Grand Chief Max Gros-Louis
45 Huronne-Wendate
46
- 47 Mr. David Donnelly

1 Legal Counsel, Huronne-Wendate
2

3 iv. A number of phone calls were made with the First Nations groups prior to
4 meeting to discuss the project. Specific dates and times of phone calls were not
5 recorded. Meetings took place with legal counsel and representatives of
6 Haudenosaunee Six Nations Confederacy Council on November 1, 2006, and
7 with the Mississaugas of New Credit Council on November 6, 2006. A follow-
8 up letter was sent to legal counsel for the Haudenosaunee Six Nations
9 Confederacy Council on November 15, 2006, summarizing the discussion at the
10 meeting. The letter included a project fact sheet and map that was discussed at
11 the meeting (Attachment A). The letters of notification for the Class EA were
12 sent on May 16, 2007. To date, the First Nations groups have not expressed any
13 interests or concerns with respect to the project.
14

15 (iii) The project is completely within an existing transmission corridor in a developed
16 residential community. To date, we have not received information from the First Nations
17 groups that would indicate that this project has any impact on treaty rights or treaty land
18 entitlement or aboriginal title or rights. Also, through our research we believe this project
19 has no impact on treaty rights or treaty land entitlement or aboriginal title or rights.
20

21 (iv) See response to Part (ii) iv.
22

23 (v) As mentioned in the response to Part (ii) iv, the First Nations groups contacted have not
24 expressed any interests or concerns with respect to the project.
25

26 (vi) As mentioned in the response to Part (ii) iv, the First Nations groups contacted have not
27 expressed any interests or concerns with respect to the project.
28

29 (vii) The First Nations groups contacted have not expressed support or objection to the project.
30

31 (viii) See response to Part (ii) ii above.
32
33

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**Follow-up letter to legal counsel for the Haudenosaunee Six Nations
Confederacy Council**

November 15, 2006

Hydro One Inc.
483 Bay Street
Toronto, Ontario M5G 2P5
www.HydroOne.com

Tel. No. 416-345-6084
Fax. No. 416-345-6600
Fax. No. 416-345-6152



Mike Sheehan
Vice President, Facilities & Real Estate
14th Floor, North Tower

November 15, 2006

Haudenosaunee – Six Nations Iroquois Confederacy
Box 98, Grand River Territory
Ohsweken, Ontario N0A 1M0
Attention: Mr. Paul Williams

Dear Paul:

Re: Follow Up from our November 1, 2006 Meeting

I am writing to follow up from our November 1, 2006 meeting with you, Brian Doolittle and Chief Arnold Jacobs in Six Nations Reserve and to thank you for the useful discussion. We appreciated the opportunity to present the Haudenosaunee a briefing on the proposed regulatory approval schedule for, and development of, the following five projects: Hurontario Station and Transmission Line, Southern Georgian Bay, Jim Yarrow, Leaside to Birch Junction, and Woodstock Area Transmission Reinforcements. As we indicated, we believe that these five projects have no impact as our preferred routing for all five projects is completely within already existing right of way corridors used for transmission and other utility purposes.

At our meeting, you focused your concerns on the following areas: archaeological issues, environmental issues, including the concept of environmental restoration, and employment, contracting relating to particular projects, information sharing processes and dealing with project-specific issues. To that end, we agreed to have two meetings in the near future between our respective archaeological and environmental advisors to determine our mutually acceptable common ground on these matters that could ultimately be incorporated into an agreement.

To move things forward, I have asked Yuri Tsimberg (Tele: 416-345-5867) to work with you to arrange the archaeological and environmental meetings. He will be contacting you soon to arrange these discussions.

Finally, as we also discussed, please find attached fact sheets on all five projects. Please contact us if you have any questions regarding these fact sheets or would like to discuss anything raised at our meeting or in this letter respecting the five projects. Thank you again for a productive meeting and we look forward to working with you in the future.

Sincerely,



Mike Sheehan
Vice President
Facilities & Real Estate

Cc: Tom Issac - McCarthy Tétrault LLP
Yuri Tsimberg - TCT15
Marcie Zajdeman - TCT15
Robert Thomson - R32

Hydro One

Supply to Jim Yarrow MTS Transmission Reinforcement

Need

- Economic growth and development primarily in the City of Brampton has created the need for transmission system reinforcements to ensure reliable electricity supply to the area.
- The need was identified by Hydro One and the local utilities (Hydro One Brampton and Enersource Hydro Mississauga), and was confirmed by the Independent Electricity System Operator (June 2006 Ontario Reliability Outlook Report) and by the Ontario Power Authority.
- Without the transmission reinforcements, reliable electricity supply to the City of Brampton will be at risk by Summer 2009.

Project Description

- The project includes the construction of:
 - a new 230 kV underground transmission line from Hydro One's new Hurontario Switching Station on Parkway Belt land in Brampton extending about 3 km north to Hydro One Brampton's Jim Yarrow Municipal Transformer Station (MTS) in Brampton
- The project has the support of Hydro One Brampton, the Independent Electricity System Operator, and the Ontario Power Authority.

Approval Requirements

- The project requires "Leave to Construct" approval from the Ontario Energy Board. Hydro One plans to file its application to the Ontario Energy Board at the end of February, 2007.
- The project requires Environmental Assessment approval under the "Class Environmental Assessment for Minor Transmission Facilities". This approval is planned to be obtained in the first half of 2007.

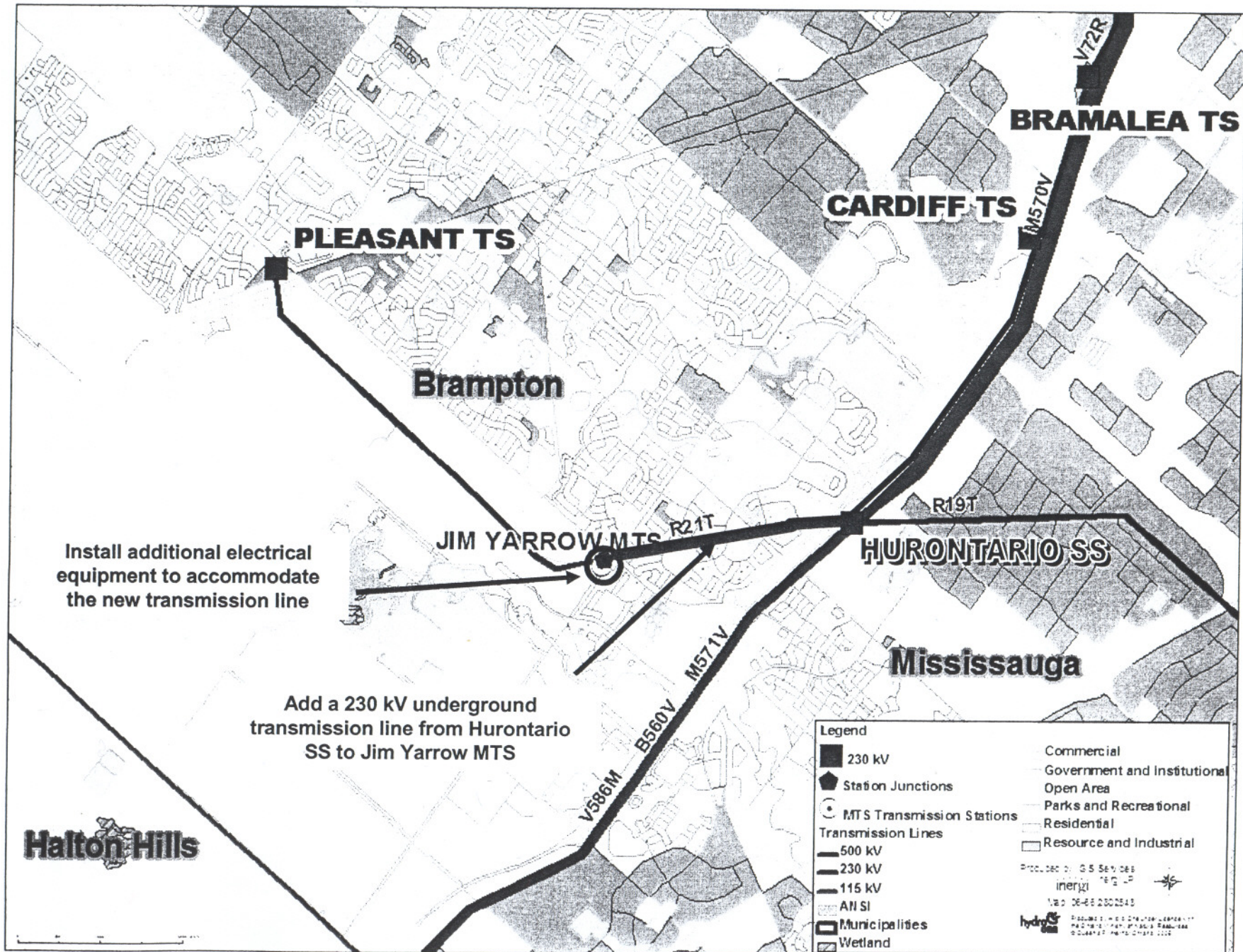
Land Use/Rights

- Project construction will occur completely on the existing transmission corridor for which Hydro One already has statutory easement property rights from the province to carry out the project. No other property or property rights acquisition involving other public and/or private landowners is required for the project.
- Transmission activities are the primary use on this property, and will continue as the primary use after the upgraded transmission line is constructed. Other uses on this property are very restrictive due to the presence of the transmission lines and the abutting residential land use. The additional transmission line will not alter or change the character of the subject property.

Tentative Schedule

- Anticipated OEB Approval: June 2007
- Planned Project Start: July 2007
- Planned Project In-Service: Mid 2009 (or earlier)

Hydro One Supply to Jim Yarrow MTS Transmission Reinforcement



1 **INTERROGATORY #7**

2
3 **Interrogatory**

4
5 Ref. Exhibit A, Tab 2, Schedule 1, page 2, lines 9-13 and Exhibit B, Tab 1, Schedule 4,
6 page 2, lines 1-5

7
8 **General Issues:**

9
10 In the evidence there are various references to the previous associated application
11 involving Hurontario Switching Station as noted above.

12
13 **Requests:**

14
15 Please advise to which transmission asset pool the following facilities have been
16 allocated and provide reasons for the allocation:

- 17
18 (a) Hurontario SS
19 (b) V72R and V73R Westbound lines from Claireville TS to Hurontario SS
20 (c) R19T and R21T Northbound lines from Hurontario SS to Pleasant TS
21 (d) New proposed transmission circuits from Hurontario SS to Jim Yarrow TS

22
23 **Response**

24
25 The referenced facilities will be allocated as follows:

26
27 Hurontario SS will be allocated to the Network pool consistent with the Decision in EB-
28 2006-0215 granting leave to construct transmission facilities in the City of Brampton.
29 Allocation to the Network pool is based on the fact that the installation of Hurontario SS,
30 and the associated line from Cardiff TS to Hurontario SS, relieves the loading on circuits
31 R19T and R21T between Trafalgar TS (a Network station) and Richview TS (a Network
32 station) and consequently provides an increase in the available transfer capacity between
33 these two Network stations.

34 The V72R and V73R Westbound lines from Claireville TS to Hurontario SS will be
35 classified as Dual Function Lines, which provide a network function in allowing load
36 transfer between two Network stations (Claireville TS and Hurontario SS) and also
37 provide a line connection function in supplying load to transmission customers at Cardiff
38 TS, Bramalea TS and Goreway TS. In accordance with the cost allocation methodology
39 approved per RP-1999-0044, the costs associated with Dual Function Lines will be
40 allocated to the Network pool.

41 The R19T and R21T Northbound lines from Hurontario SS to Pleasant TS will be
42 allocated to the Line Connection pool since they provide a radial connection from
43 Hurontario SS to transmission customers supplied from Pleasant TS.

Filed: May 14, 2007

EB-2007-0013

Exhibit C

Tab 1

Question 2

Page 2 of 2

- 1 The new proposed transmission circuits from Hurontario SS to Jim Yarrow TS will be
- 2 allocated to the Line Connection pool since they provide a radial connection from
- 3 Hurontario SS to transmission customers supplied from Jim Yarrow TS.
- 4