Hydro One Networks Inc.

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**Susan Frank** Vice President and Chief Regulatory Officer Regulatory Affairs



#### BY COURIER

September 7, 2010

Ms. Kirsten Walli Secretary Ontario Energy Board Suite 2700, 2300 Yonge Street P.O. Box 2319 Toronto, Ontario M4P 1E4

Dear Ms. Walli:

## EB-2010-0228 – Hydro One Networks Request for Fees Related to Distribution Generation Projects – Hydro One Networks Responses to Interrogatory Questions

Please find two (2) hard copies of responses provided by Hydro One Networks to Interrogatory questions.

Below is the Tab numbers for each intervenor

Tab	Intervenor
1	Ontario Energy Board
2	Vulnerable Energy Consumers Coalition
3	Canadian Manufactures & Exporters
4	Energy Probe

An electronic copy of the Interrogatories, have been filed using the Board's Regulatory Electronic

Sincerely,

#### ORIGINAL SIGNED BY SUSAN FRANK

Susan Frank

Attach

c. Intervenors (electronic Only)

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 1 Page 1 of 1

1		<u>Ontario Energy Board (Board Staff) INTERROGATORY #1 List 1</u>	
2	Trad		
3 4	<u>1111</u>	errogatory	
5	Co	npetitive Market for Joint Use of Poles	
6 7 8 9 10 11 12	1.	Hydro One Distribution has requested a decision from the Ontario Energy Board a whether joint use charges require Board approval. Hydro One Distribution states t "each generator has the option of supplying its own support structure by construct installing, and maintaining its own utility poles." <sup>1</sup> Board staff needs clarification of this point.	hat ing,
12 13 14 15		a. Is Hydro One Distribution stating that the generators have the economic alternative to construct poles in situations where Hydro One Distribution alrea can accommodate the generators?	.dy
16 17 18 19		b. Is Hydro One Distribution stating that where it has existing support structures are not technically sufficient to include the generator's assets that there is an economic alternative for the generator to construct and maintain its own support structures?	
20 21 22		c. Is Hydro One Distribution suggesting that a ceiling for negotiated rates is the avoided cost of a generator constructing its own parallel transmission line?	
22 23 24 25		1 Exhibit B, Tab 1, Schedule 1, page 8, lines 1-2. 2 Exhibit B, Tab 1, Schedule 1, page 8, lines 4-6.	
26 27	<u>Re</u>	<u>ponse</u>	
28 29 30 31 32 33	a.	It is Hydro One's understanding that generators do have the alternative to const their own pole line. However Hydro One is not privy to information about economics of this alternative, which may vary from case to case, and Hydro One not view it as preferable to joint use.	the
34 35 36 37	b.	It is Hydro One's understanding that generators do have the alternative to const their own pole line. However Hydro One is not privy to information about economics of this alternative, and does not view it as preferable to joint use.	
38 39	c.	No.	

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 2 Page 1 of 1

1	Ontario Energy Board (Board Staff) INTERROGATORY #2 List 1
2 3	Interrogatory
4	
5	Competitive Market for Joint Use of Poles
6 7 8 9 10 11 12	Hydro One Distribution states that having generators erect their own facilities may increase the cost to Hydro One Distribution to connect new customers, as Hydro One Distribution may be required to enter into a joint use tenancy agreement for the use of a generator's pole <sup>2</sup> . Please explain in what circumstances would Hydro One request access to the generator's pole?
13	<b>Response</b>
14 15	Kesponse
16 17	Hydro One can provide a couple of scenarios in which access to a generator's assets would be requested:
18 19 20 21 22 23	1. A generator may erect its own facilities on one side of a road allowance, with Hydro One's facilities on the other. In this scenario, Hydro One may need to gain access to the generator's pole(s) to cross over a road, if a distribution customer or different generator on the other side of the road requests a new service connection.
23 24 25 26 27 28 29 30	2. A generator may own an existing stand-alone pole line in an area with no existing Hydro One distribution customers adjacent to the line and therefore, no existing Hydro One facilities in close proximity to those of the generator. A request for a new electrical connection in this area could require Hydro One to expand its current distribution system, which may be less economically attractive than utilizing the generator's existing pole line.
31 32 33	In such circumstances, it would be prudent for Hydro One to enter into a tenancy agreement with the generator for use of its poles. This would enable Hydro One to serve other customers, including other generators, as needed.
<ol> <li>34</li> <li>35</li> <li>36</li> <li>37</li> <li>38</li> <li>39</li> <li>40</li> </ol>	Typically, however, Hydro One would prefer to own the pole(s) and enter into a tenancy agreement with the generator being the occupant. Then, if poles must be replaced (e.g. due to a motor vehicle accident or storm damage), Hydro One is in the position to supply and change them in a timely manner (whereas in a tenancy arrangement, it might be required to wait for the generator's contractors to do this work). Pole ownership by the distributor helps minimize power interruptions to distribution customers.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 3 Page 1 of 2

1		<u>Ontario Energy Board (Board Staff) INTERROGATORY #3 List 1</u>
2	Intown	ogatom
3 4	Interro	ogatory
5	Comp	etitive Market for Joint Use of Poles
6 7	The B	oard in its Decision and Order on the CCTA Application, RP-2003-0249, stated:
8 9 10 11 12 13 14		"The Board agrees that power poles are essential facilities. It is a well established principle of regulatory law that where a party controls essential facilities, it is important that non-discriminatory access be granted to other parties. Not only must rates be just and reasonable, there must be no preference in favour of the holder of the essential facilities. <b>Duplication of poles is neither viable nor</b>
15		in the public interest [emphasis added]" <sup>3</sup>
16	The R	P-2003-0249 Order and Decision also stated:
17 18 19 20 21		"There has been some evidence on both sides with respect to abuse. In the end the CCTA says that the electricity distributors do have monopoly power and the fact that the parties have been unable to come to an agreement for over a decade demonstrates the exercise of that monopoly power whether this results in abuse
22 23 24 25 26		or not. The Board agrees. A showing of abuse is not necessary to justify the intervention of this Board in this matter. The fact is the parties have been unable to reach an agreement in over a decade. This degree of uncertainty is not in the public interest." <sup>4</sup>
27 28		ntario Energy Board Act (the "Act"), in setting the Board's objectives for city, states that the Board should be guided by a set of principles, one of which is:
29		"To promote the use and generation of electricity from renewable
30		energy sources in a manner consistent with the policies of the
31		Government of Ontario, including the timely expansion or
32		reinforcement of transmission systems and distribution systems
33		[emphasis added] to accommodate the connection of renewable
34		energy generation facilities." <sup>5</sup>
35		
36 37	a.	Please explain why Hydro One Distribution suggests that duplication of the poles would now be viable and in the public interest.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 3 Page 2 of 2

1 2 3 4 5 6		b. Were the Board to refrain from regulating pole rental charges for generators, please explain the measures that Hydro One Distribution would put in place to ensure that any negotiations would not impair "the timely expansion or reinforcement of transmission systems and distribution systems to accommodate the connection of renewable energy generation facilities."
7		
8 9		3 Decision and Order, RP-2003-0249, page 3
9 10		4 Ibid
11		5 S.O. 1998, CHAPTER 15 Schedule B sec. 1. (1) 5.
12		
13 14	Re	rsponse
15	<u>nu</u>	
16	a.	Hydro One does not suggest that duplication of poles would be viable or in the public
17		interest. Hydro One encourages and supports Joint Use arrangements, as multiple
18		pole lines are not preferred for aesthetic and economic reasons.
19		
20	b.	Hydro One Distribution believes that Joint Use negotiations would not impair "the
21		timely expansion or reinforcement of transmission systems and distribution systems
22		to accommodate the connection of renewable energy generation facilities."
23		A distribution system expansion is a "modification or addition to the main
24 25		distribution system in response to one or more requests for one or more additional
23 26		customer connections that otherwise could not be made."
20		
28		Reinforcements entail the strengthening or enhancement of existing facilities to
29		ensure a stable level of reliability.
30		
31		Joint Use arrangements, on the other hand, are not intended to upgrade or modify the
32		distribution system to meet the needs of electrically connected customers, nor to
33		provide electrical reinforcements. The Joint Use partner attaches or affixes its own
34		conductor and attacher to a utility's poles. Hydro One and the Joint Use generator are
35		electrically independent; the Joint Use arrangement simply provides increased
36		utilization of Hydro One's poles.
37 38		System modifications, either expansions or reinforcements, do not impact Joint Use
39		partners. Conversely, Joint Use arrangements will not impact expansions or
40		reinforcements.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 4 Page 1 of 3

1		Ontario Energy Board (Board Staff) INTERROGATORY #4 List 1
2 3	Int	terrogatory
4 5	Joi	int Use Rates
6 7 8		ard staff understands that Hydro One Distribution's proposal for establishing the level the new joint use rates is based on the following:
9 10 11 12 13 14		a. The methodology is the same as found in Appendix 2 of the RP-2003-0249 Decision and Order. The only values found in the appendix that would change are line G, the Capital Carrying Cost, and line I, the Allocation Factor. Please confirm that this understanding is correct. Otherwise, please clarify Hydro One Distribution's proposal.
15 16 17 18 19 20		b. Line G (Capital Carrying Cost), in Appendix 2 of the RP-2003-0249 Decision and Order, will be replaced by the value in line A of Table 3 found at Exhibit B Tab 2 Schedule 1 which is labelled Cost of Power Space. Please confirm that this understanding is correct. Otherwise, please clarify Hydro One Distribution's proposal with supporting detailed calculations.
<ol> <li>21</li> <li>22</li> <li>23</li> <li>24</li> <li>25</li> <li>26</li> <li>27</li> <li>28</li> </ol>		c. Line I (Allocation Factor), in Appendix 2 of the RP-2003-0249 Decision and Order, will be replaced by the Generator % of Power Space Allocation in Table 4 found at Exhibit B Tab 2 Schedule 1 in order to establish the array of rates that vary by pole height and size of space. Please confirm that this understanding is correct. Otherwise, please clarify Hydro One Distribution's proposal with supporting detailed calculations.
28 29 30	<u>Re</u>	<u>sponse</u>
31 32 33 34 35 36	a.	Hydro One utilized the methodology which was used to establish the Local Distribution Company (LDC) Joint Use rate and which the OEB had approved in proceeding RP-2005-0020/EB-2005-0378. As a starting point, these inputs were used to establish the rate for 50-foot poles. That rate reflects a total power space shared equally between Hydro One and another LDC.
37 38 39		The LDC Joint Use rate calculation is based upon the RP-2003-0249 Telecom Joint Use decision. Using the assumption of two telecom attachers on a 50 ft pole, Hydro One calculated the proportion of power space. The power space allocation is

40 illustrated below:

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 4 Page 2 of 3

Notes		A B		С		D		
	NumberTelecomAllocation (%)		Non Power Spac Allocation (%)	e	Power Space Allocation (%)			
1	2 21.9		21.9	43.8		56.2		
				A1 x B1		1 – C1		

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Hydro One has applied 43.8% to a 50-foot pole to determine the physical space requirements for non-power space (telecom, street lighting). The remaining physical space, 56.2% is deemed the power space, which is allocated between Hydro One Distribution and Generators or other LDCs.

With two distributors each using 10 feet of power space, each distributor would be responsible for 28.1% of the allocated power space on a 50-foot pole. Using this as a starting point and the approved, negotiated Joint Use rate of \$28.61 for LDCs, the total power space value for a 50-foot pole would equal two multiplied by \$28.61 or \$57.22.

11 12

In instances where a taller pole is required, the physical power space will be greater than the physical power space on a 50 ft pole, while the physical non-power space requirement will remain the same. The base proportional space allocation (43.8% and 56.2%) is relative to the 50 ft pole and was initially used to illustrate the two different types (power vs non-power) of space allocation.

18

The proposed development of the sliding scale focused on only the power space of the pole from there forward. Costs associated with a generator's requirement for increased pole height should be borne by the generator.

22

The \$57.22 rate was used as the basis for a 50- foot pole; however, as a generator's pole space requirements increase, the overall value of power space also increases. The total generator's power space was divided by total power space to determine their percentage of total power space. It should be noted that the 10 feet of power space required by Hydro One must be recognized. The chart below provides total values and percentages.

	of space (50' pole) 2 = \$57.22				Total Power Space Cost =
Poles Heights (ft)	HONI Pole space +Factor	HONI \$ Cost	GEN Pole space + Factor	Total Generator \$ Cost	HONI \$ Cost + Generator \$ Cost
50	10ft / 50%	\$28.61	10ft / 50%	\$28.61	\$57.22
55	10ft / 40%	\$28.61	15ft / 60%	\$34.33	\$62.94
60	10ft / 33%	\$28.61	20ft / 67%	\$38.15	\$66.76
65	10ft / 29%	\$28.61	25ft / 71%	\$40.63	\$69.24
70	10ft / 25%	\$28.61	30ft / 75%	\$42.92	\$71.53
75	10ft / 22%	\$28.61	35ft / 78%	\$44.63	\$73.24

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 4 Page 3 of 3

	of space (50' pole) 2 = \$57.22				Total Power Space Cost =
Poles Heights (ft)	HONI Pole space +Factor	HONI \$ Cost	GEN Pole space + Factor	Total Generator \$ Cost	HONI \$ Cost + Generator \$ Cost
80	10ft / 20%	\$28.61	40ft / 80%	\$45.78	\$74.39
85	10ft / 18%	\$28.61	45ft / 82%	\$46.92	\$75.53
90	10ft / 17%	\$28.61	50ft / 83%	\$47.49	\$76.10
95	10ft / 15%	\$28.61	55ft / 85%	\$48.64	\$77.25
100	10ft / 14%	\$28.61	60ft / 86%	\$49.21	\$77.82

1

b. No. The \$57.22 value in line A of Table 3 found at Exhibit B, Tab 2, Schedule 1
which is labeled Cost of Power Space is the approved \$28.61 Joint Use rate for LDCs
multiplied by two. The rationale behind this multiplication is that both Hydro One
and the generator require a minimum of 10 feet of power space. Hence, this is the *total* value of the shared power space for this size of pole.

7

8 c. No. See the response to a) above.

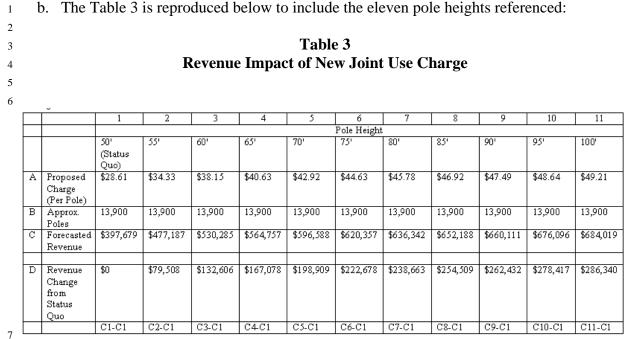
Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 5 Page 1 of 1

1		Ontario Energy Board (Board Staff) INTERROGATORY #5 List 1
2 3	Int	t <u>errogatory</u>
4 5 6		Table 3 found at Exhibit B Tab 2 Schedule 1, line A, the explanation states that the st of power space was negotiated with the EDA and is \$57.22.
7 8 9		a. Please provide the calculation of this amount, with full explanation of the source and reasons for the amounts used and determination of \$57.22.
10 11 12		b. Please state from which year these costs were developed.
12 13 14		c. Do the capital and/or operating costs for poles vary by height?
15 16 17 18 19		d. If the capital and/or operating costs for support structures vary by height, please explain why Hydro One is proposing just one set of costs based on fifty foot poles for Depreciation Expense, Pole Maintenance Expense, and Capital Carrying Cost as applied in Appendix 2 of the RP-2003-0249 Decision and Order.
20 21	Re	<u>sponse</u>
22		
23 24 25 26	a.	This value was calculated using inputs from the RP-2003-0249 Decision. Assuming two Telecom Attachers in rural Ontario on a 50-foot pole, 56.2% of power space remains. The calculation is: 100%-(21.9% x 2) = 56.2%.
<ol> <li>27</li> <li>28</li> <li>29</li> <li>30</li> <li>31</li> <li>32</li> <li>33</li> <li>34</li> <li>25</li> </ol>		With 2 Local Distribution Companies each using 10 feet of power space (that is, an equal split of the 56.2%), each Local Distribution Company would be responsible for 28.1% of the allocated power space on a 50-foot pole. Using this percentage as a starting point in conjunction with the approved, negotiated Hydro One Joint Use rate of \$28.61 for Local Distribution Companies, the total power space value of a 50-foot pole would equal \$28.61 multiplied by two or \$57.22. Please also refer to OEB Interrogatory 4(a) for additional details.
35 36	b.	The costs were developed in 2005.
37 38	с.	Yes
39		
40 41 42 43 44	d.	Hydro One is not proposing just one set of costs. The 50-foot pole was used as a base reference point. As outlined in Exhibit I, Tab 1, Schedule 4, part a, overall costs associated with the power space increase as space requirements increase; Hydro One has extrapolated the costs reflected in the base reference point (\$57.22) to determine the generators' rental rate for 5-foot increments.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 6 Page 1 of 3

1		Ontario Energy Board (Board Staff) INTERROGATORY #6 List 1
2	_	
3	Inter	<u>rogatory</u>
4	The	wanted wanted of water for init was in madicated when computers approximing males
5 6	-	broposed range of rates for joint use is predicated upon generators requiring poles than 50 feet. Fifty feet is the basis for the current joint use rate. Board staff needs
7		ication of the proposal for allocating the incremental height and related costs above
8	50 fe	
9	0010	
10	In Ex	hibit B Tab 1 Schedule 1 Hydro One Distribution explains in Section 3.1.1 that the
11	portio	on of available power space is 56.2% of the incremental height. In RP-2003-0249,
12		lotment for communication space was a fixed height, as was the allotment for street
13	0	ng. This gave rise to the percentage allocation of 43.8% for both communications
14		treet lighting. That left 56.2% to be shared by Hydro One Distribution assets and
15		power providers. The proposal to allocate 56.2% of the incremental height to power
16 17		implies that 43.8% of the incremental height would be a cost for communications treet lighting.
17	and s	ucet nghting.
19	a.	Please explain why any of the incremental height requested by generators should
20		be borne by Hydro One Distribution customers?
21		
22	b	Please expand Table 3 of Exhibit B Tab 1 Schedule 1 to include each of the
23		eleven proposed pole heights to provide a comparison of the incremental revenue
24		requirement and the respective proposed revenues from generators. Please provide
25		details of assumptions used in determining the costs and revenues.
26		Under One's managed to allocate $42.80\%$ of the nois bright to communications and
27 28	c.	Hydro One's proposal to allocate 43.8% of the pole height to communications and street lights irrespective of pole height results in more space being allocated for
28 29		these uses as height increases. Please explain why the allocator for
30		communications and street lighting were not recalculated in order to maintain the
31		fixed dimensional space required for their assets.
32		
33		
34	<u>Resp</u>	<u>onse</u>
35	T	
36		he incremental height should not be borne by Hydro One Distribution
37 38		ustomers/rate payers. It is for this reason that Hydro One has developed a formula at increases the generator contribution based on their required power space divided
38 39		y total power space starting at the rate for a 50-foot pole.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 6 Page 2 of 3



8

The 13,900 pole approximation is based on forecasted requirements of the potentially 9 impacted generators referenced in Section 4.1 of Exhibit B, Tab 1, Schedule 1. This 10 estimate is based on the distance between the generator and the proposed point of 11 common coupling. Though the distance between poles may vary based on individual 12 circumstances, there are approximately 14 poles per circuit km for smaller 13 distribution connected projects. For larger transmission connected projects, which 14 may require a larger conductor in some locations, Hydro One is required to install 18 15 to 22 poles per km to accommodate the weights. 16

17

Please note that Table 3 from Exhibit B, Tab 1, Schedule 1 provides, for demonstration purposes only, the potential incremental revenue from the change in the fee structure. A more reflective illustration would include a sampling of varied pole height. Below, Table 3-A, provides an estimate of the height distribution for the 13,900 poles, which may provide a more representative impact on external revenues.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 6 Page 3 of 3

#### Table 3 – A

		1	2	3	4	5	6	7	Notes
		50' Pole	55' Pole	60' Pole	65' Pole	70' Pole	75' Pole	80' Pole	
		\$28.61	\$34.33	\$38.15	\$40.63	\$42.92	\$44.63	\$45.78	
A	Approx. Poles % (based on 13,900)	15%	25%	30%	20%	5%	3%		
В	Forecasted Revenue	\$59,651.85	\$119,296.75	\$159,085.50	\$112,951.40	\$29,829.40	\$18,610.71	\$12,726.84	
С	Total of above Forecasted Revenue (Table 3-A)	\$512,152.45							B1+B2+ B3+B4+ B5+B6+ B7
D	Revenue Change from Status Quo (Table 3)	\$114,473.45							C1(Table 3- A) – C1(Table 3)

3 4

1 2

Also to be noted in this section is that for operational reasons, Hydro One has limited 5 the height of a joint use pole to be 80 feet in length, which provides space for up to 5 6 circuits (total Hydro One and generator circuits). Although this methodology has 7 been applied to derive rental rates for up to a 100-foot pole, any requirements above 8 80 feet must be examined on a case by case basis, to ensure the joint use arrangement 9 is viable both financially and operationally. This examination includes consideration 10 of the equipment required to maintain or replace the poles and attachments, if 11 required. In some locations, joint use arrangements requiring a greater than 80-foot 12 pole may not be viable; in these cases, requests for joint use arrangements may be 13 denied. 14

15

c. Hydro One has adopted an approach that utilizes a 50-foot pole to determine a base case
 for physical space requirements. Under this approach, Hydro One has applied 43.8% to a
 50-foot pole to determine the physical space requirements for non-power space (for
 example, telecommunications or sentinel lighting.) The remaining physical space, 56.2%
 is deemed the power space, which is allocated between Hydro One Distribution and
 Generators/Local Distribution Companies.

22

In instances where a taller pole is required, the physical power space will be greater than the physical power space on a 50 -foot pole, while the physical non-power space requirement will remain the same. Please refer to Exhibit I, Tab 1, Schedule 4, part a for more details.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 7 Page 1 of 2

<ul> <li>Interrogatory</li> <li>Joint Use Rates</li> <li>Hydro One states that the terms for agreements with generators is typically 20 years.</li> <li>Hydro One Distribution is proposing to adjust the joint use fees annually and to rebase</li> <li>every 5th year. To adjust the joint use rates, Hydro One proposed a formula that adjusts</li> <li>the rate using the Consumer Price Index ("CPI"). The Board in the past has used the</li> <li>GDP- IPI as an inflator for both electricity and natural gas under the incentive regulation</li> <li>mechanism ("IRM") framework.</li> <li>a. Please explain why the CPI was proposed rather than the GDP-IPI.</li> <li>b. If the CPI or GDPI-PI were used, please explain why a productivity factor is not proposed.</li> <li><i>Response</i></li> <li>a. CPI was proposed for pragmatic reasons. Firstly, CPI is widely known and recognized, and is the most commonly referenced inflation index in the media. As a result, customers, including generators, are more familiar with the CPI calculation than GDP-IPI. Further, CPI is published monthly, it is subject to fewer and more familiar with the CPI advance of the properties.</li> </ul>
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<ul> <li>Hydro One Distribution is proposing to adjust the joint use fees annually and to rebase</li> <li>every 5th year. To adjust the joint use rates, Hydro One proposed a formula that adjusts</li> <li>the rate using the Consumer Price Index ("CPI'). The Board in the past has used the</li> <li>GDP- IPI as an inflator for both electricity and natural gas under the incentive regulation</li> <li>mechanism ("IRM') framework.</li> <li>a. Please explain why the CPI was proposed rather than the GDP-IPI.</li> <li>b. If the CPI or GDPI-PI were used, please explain why a productivity factor is not proposed.</li> <li><i>Response</i></li> <li>a. CPI was proposed for pragmatic reasons. Firstly, CPI is widely known and recognized, and is the most commonly referenced inflation index in the media. As result, customers, including generators, are more familiar with the CPI calculation than GDP-IPI. Further, CPI is published monthly, it is subject to fewer and more</li> </ul>
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<sup>26</sup> minor future revisions compared to GDP-IPI and forecasts are widely available from
banks, public institutions, etc. Finally, CPI is the adjustment mechanism that has been successfully approximated into 77. Least Distribution Compared
successfully negotiated and executed into 77 Local Distribution Company agreements. For these reasons, CPL seems to be the logical choice for use with
<ul> <li>agreements. For these reasons, CPI seems to be the logical choice for use with</li> <li>generators.</li> </ul>
31 generators.
b. Hydro One has not proposed a specific productivity/X factor adjustment because
Joint Use arrangements present relative productivity gains and losses, simultaneously
34
<sup>35</sup> On the one hand, Joint Use presents an opportunity for more efficient use of existing
<sup>36</sup> facilities by accommodating multiple, distinct users on one pole.
37
From an operational standpoint, however, Joint Use presents some productivity
39 challenges as it complicates standard work practices and may necessitate non
40 standard work equipment. For example, if Hydro One must change a damaged pole
41 on which a generator is a tenant, it may have to make certain arrangements to
<ul> <li>accomplish the task while accommodating the generator's equipment. In these cases</li> <li>a productivity loss may be experienced. Hydro One's varied service territory also</li> </ul>

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 7 Page 2 of 2

3

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presents a number of unique topographical and operating circumstances which may
 result in wide fluctuations with regards to the relative productivity impact.

For these reasons, Hydro One has not proposed a productivity/X factor adjustment,
 other than the productivity loss accounted for in the base calculation.

Hydro One, however, is piloting practices that may lessen productivity losses due to
Joint Use. In the case of generator express collector lines, Hydro One is working with
generators on designs which position their lines either at the top of the pole or on the
field side. This will limit the impedance to Hydro One in its day-to-day operations
and lessen the productivity loss resulting from joint use.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 8 Page 1 of 2

	<u>Ontario Energy Board (Board Staff) INTERROGATORY #8 List 1</u>
Interro	ogatory
CIA F	ees
•	One is proposing two new CIA fees, one each for net metering generators and ty allocation exempt generators.
a.	Please provide the cost analysis performed to determine the respective fees.
b.	Please explain the source (labour rates, facility costs, consumables, etc) and rationale for the items and calculations used to determine the fees.
c.	Please explain whether average, incremental or other cost types were used.
d.	If the costs are not based on the most recently approved costs, or costs that underpin the most recently approved Hydro One Distribution test year, please explain why the most recently approved costs were not used.
e.	Please explain and develop any forecast information used.
<b>Respo</b>	<u>nse</u>
ana (El con sm fili pro not stre CL	dro One does not have specific time studies for the new fees. A detailed cost alysis, however, was performed prior to Hydro One's last Distribution Rate filing B-2009-0096). This cost-based time study examined the resources required to nplete Connection Impact Assessments for applications from large, medium and all generation projects. It supported the fees that were filed in the distribution rate ng for those types of assessments. At the time of the filing, however, the FIT ogram rules were under development. The detailed treatment of CAE projects was type settled and accordingly, Hydro One could not determine the possibility for eamlining these assessments. Hydro One also did not include costs for performing As on net metering projects in that rate application, because at that time, the mpany was not expecting to receive any more applications for these.
	e source data used in the study for the rates included in EB-2009-0096 was labour es and overhead costs.
	e cost analysis for the rates used in EB-2009-0096 was based on average cost types ich Hydro One believes provide a representative basis for typical projects.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 8 Page 2 of 2

d. A request for new CIA fees for CAE and net metering projects was not submitted 1 2 within the previous Distribution Rate Application for the reasons noted in response to a) above. However, the time factor underlying the most recently approved fees is also 3 the starting point for the costing of CAE project assessments. Hydro One's time 4 requirements to review these projects, however, are lower than those for other small 5 generation projects. The changes in the Distribution System Code have allowed 6 Hydro One to study a CAE project as though it were the first to gain a capacity 7 allocation at a station; this made the Connection Impact Assessment (CIA) much less 8 complicated than a typical study for a generation project which would have one or 9 more other projects having allocated capacity ahead of it. Furthermore, Hydro One 10 was able to leverage more efficiencies, due to the large number of CAE projects from 11 the FIT Launch period, as well as the large number of CAE projects expected from 12 the Post-Launch period, Hydro One has streamlined its assessment and review 13 process, to move them through as quickly as possible. This streamlined process is in 14 keeping with the intent of the OPA, the OEB and the Government for these projects 15 as well. 16 17

18 With respect to CIA fees for net metering projects, Hydro One has found that its 19 assessments of these projects typically require about the same amount of work as that 20 for CAE projects. For this reason, Hydro One has requested the same fee.

21

e. Forecast information is only available from the OPA, as this agency administers the
 program and, therefore, is the first to receive Feed-In Tariff applications.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 9 Page 1 of 2

	<u>Ontario Energy Board (Board Staff) INTERROGATORY #9 List 1</u>
<u>Interro</u>	ogatory
•	One is proposing to reduce the current CIAs by 50% for any projects that have led their applications and for all revised applications.
a.	Please provide the cost justification with supporting rationale for 50%.
b.	If there is no cost justification, please provide any surveys, studies or rationale to support the 50%.
c.	Who will subsidize the lower revenues, the distribution rate payer or the shareholder?
<u>Respo</u> i	<u>nse</u>
FIT tha afo wh res as Dis wit	r proponents who have rescinded their original CIAs in order to re-apply under the T program, the justification to charge 50% of the original fee is based on the fact t Hydro One has already recently completed a CIA for the project (the prementioned rescinded CIA). Since the OPA's FIT program prioritizes projects ich are more "shovel-ready", Hydro One anticipates that proponents who have cinded their initial applications will make few, if any, changes to their projects, so to enable more efficient processing to meet their in-service date. As the stribution System Code directs the complete re-submission of project applications the material changes, proponents also have an incentive to make as few changes as ssible in their re-application.
tha	a result, Hydro One anticipates that very little would change in these CIAs, other in ensuring they meet the current standards, verifying that no distribution system anges have occurred in that part of the system and re-running the tests.
ori	r those proponents who revise their CIAs, Hydro One justifies charging 50% of the ginal fee based on the general experience that this reflects the incremental amount work required.
wit stu of a dat	r example, during the assessment of a <i>new</i> project, the technical data is updated th the assumption that the project is <i>about</i> to be allocated capacity; the project is died in context of all the other applications at the same station. For the assessment a revision, however, Hydro One already has already obtained the required technical ta. It therefore, must only update the specific component proposed for change, and run the tests in the CIA.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 9 Page 2 of 2

The proposed fee differential is tied to the anticipated lower resource requirements; these charges are paid entirely by the generator.

When a proponent decides to make a change to its project that requires a revision to its CIA, it is sometimes necessary to revise other CIAs that were completed subsequent to the initial CIA of the revised project. As a result, the proponent making the change is charged the CIA revision fee for not only their own CIA that is being revised but also the CIA revision fee for all other CIAs that had to be revised as a result.

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b. Please see part a.

Preliminary work has already been done for proponents who have rescinded their 13 c. applications. As discussed in part a. above, Hydro One forecasts that performing CIA 14 revisions for these projects will, on average, require 50 % of the amount of work 15 undertaken for their original CIAs. The proposed fee differential reflects the 16 anticipated lower resource requirements for these assessments. Accordingly, there is 17 no loss of revenues; Hydro One believes it recovers all of the costs incurred in 18 performing these types of assessments 19

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 10 Page 1 of 1

1		<u>Ontar</u>	io Energy Board (Board Staf	f) INTERROGATORY #10 List 1
2 3	Int	errogatory		
4	1100	<u>chrogutory</u>		
5	In F	EB-2009-009	6 Hydro One was directed to	implement CIA Charges – Small &
6			•	arge of \$10,405. The proposal in this
7			0	ne following rates in effect prior to
8		tember 1, 20		
9	~~r			
			CIA – small	\$3,000
			CIA – Mid-Size	\$5,000
			CIA – Large	\$6,000
10				
11		-	0	th supporting rationale for the
12		determin	ation of these fees.	
13				
14			5 I I	provide any surveys, studies or rationale to
15		support t	he lower rates.	
16				
17				
18	Res	sponse		
19				C
20	a.	Hydro One r	has no cost justification for the	ese tees.
21	1.	The error of the	a mana ahasan hasad (h-	Company's independent of what11 by
22	D.			Company's judgement of what would be
23		-	• • •	e context of other industry changes and cost
24		-		through August 31, 2010, was simply to
25		manage the t	ransition to the higher cost stu	fucture for generators.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 11 Page 1 of 1

1	<u>Ontario Energy Board (Board Staff) INTERROGATORY #11 List 1</u>
2	
3	<u>Interrogatory</u>
4	
5	With the phasing-in of existing CIA's, revenues would be lower than expected. Who will
6	subsidize the lower revenues, the distribution rate payer or the shareholder?
7	
8	
9	<u>Response</u>
10	
11	Hydro One does not intend to recover the shortfall from generators or from its
12	distribution ratepayers.
13	

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 1 Schedule 12 Page 1 of 1

1	<u>Ontario Energy Board (Board Staff) INTERROGATORY #12 List 1</u>
2	
3	<u>Interrogatory</u>
4	
5	The proposed new rate for net metering and capacity allocation produces a new revenue
6	stream for Hydro One. How does Hydro One propose to account these new found
7	revenues?
8	
9	
10	<u>Response</u>
11	
12	The revenue received from CIA fees for net metering and capacity allocation exempt
13	projects is classified as external revenue. Forecasted external revenue earned through the
14	provision of services to third parties is used to offset the revenue requirement from Hydro
15	One Distribution's tariff and thereby reduce the required revenue to be collected from
16	distribution ratepayers.
17	
18	As noted in Exhibit I, Tab 1, Schedule 8, part a), Hydro One did not have sufficient
19	information to forecast any significant level of activity, costs or revenues associated with
20	these two types of projects in its recent distribution rate filing (EB-2009-0096). As such,
21	these new found revenues are accompanied and offset by "new found" costs.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 2 Schedule 1 Page 1 of 1

	Vulnerable Energy Consumers Coalition (VECC) INTERROGATORY #1 List 1
<u>Int</u>	errogatory
Re	ference: Exhibit B/Tab 1/Schedule 1, pages 1 - 4
Pro	eamble: The Board Decision from EB-2003-0249 approved a pole rental rate of \$22.35 per pole per year.
a)	Please indicate what year's cost data was used in the Board's Decision.
b)	Please provide the basis for the current joint use rate of \$28.61. In doing so, please also fully explain the derivation of the \$57.22 value referenced at Exhibit B, Tab 2, Schedule 1, page 2 and Table 3.
c)	The OEB Decision makes no reference to a 28.1% space allocation factor. Please fully explain what the 28.1% represents and how it was determined.
d)	Please explain the derivation of the 29.1% factor used in the Board's Decision and referenced on page 5.
<u>Re</u> :	<u>sponse</u>
a)	The Board's Decision utilized data from several years, ranging from 1991 through 1999. Please refer to Board Decision RP-2003-0249 (in particular, pages 8 and 9) fo these details.
b)	Please refer to Exhibit I, Tab 1, Schedule 5, part a.
c)	Please refer to Exhibit I, Tab 1, Schedule 4, part a, and Exhibit I, Tab 1, Schedule 5 part a.
d)	Please note that the factor noted above should read 21.9%, per the referenced exhibit. The 21.9% factor was derived by the OEB and issued on Line I of Appendix 2, in the RP-2003-0249 Decision. The calculation of this factor itself is not explicitly detailed in this Decision, however.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 2 Schedule 2 Page 1 of 1

1		Vulnerable Energy Consumers Coalition (VECC) INTERROGATORY #2 List 1
2 3	Int	errogatory
4		
5	Ke	ference: Exhibit B/Tab 1/Schedule 1, pages 5-7
6 7 8 9	a)	Page 6 makes reference to shared space between the LDC and Hydro One Distribution. Please explain why these parties are sharing space as opposed to it being a generator and a LDC that are sharing space.
10 11 12 13 14 15	b)	The 29.1% factor used by the OEB was based on a 40' pole and 2.5 attachments. However, in the current Exhibit Hydro One has assumed a 50' pole and two attachments along with the LDC/generator. Please reconcile the use of 29.1% in the Hydro One calculations.
16 17 18 19 20	c)	If the 56.2% shared space factor is based on a 50' pole, why won't this factor change as the size of the pole changes. Presumably, with larger poles to accommodate generators the allocation factor applicable to communications/street lights will decline.
21 22 23 24 25 26	d)	Do the proposed rates account for the additional maintenance costs and productivity losses discussed at lines 6-12 or do they just account for the fact higher poles are required when generators also seek to connect and generators required a larger portion?
20	Re.	<u>sponse</u>
28		
29 30 31 32 33 34	a)	Hydro One used to establish the starting point. In areas of the province, where Hydro One and Local Distribution Companies have established Joint Use, the general configuration of those Joint Use poles is that each party has one circuit on a 50' pole. With generation coming on board in the province, Hydro One is experiencing more potential Joint Use with generators than Local Distribution Companies.
35 36	b)	Please refer to Exhibit I, Tab 1, Schedule 4, part a.
37 38	c)	Please refer to Exhibit I, Tab 1, Schedule 4, part a.
39 40	d)	Please refer to Exhibit I, Tab 1, Schedule 4, part a.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 2 Schedule 3 Page 1 of 1

1	Vulnerable Energy Consumers Coalition (VECC) INTERROGATORY #3 List 1
2	
3	<u>Interrogatory</u>
4	
5	<b>Reference:</b> Exhibit B/Tab 1/Schedule 1, page 9
6	
7	a) Why is \$57.22 the appropriate cost base to use for the rates to be implemented
8	January 1, 1010? Is \$57.22 based on 2010 costs?
9	
10	
11	<u>Response</u>
12	
13	a) Please refer to Exhibit I, Tab 1, Schedule 4, part a.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 2 Schedule 4 Page 1 of 1

1	Vulnerable Energy Consumers Coalition (VECC) INTERROGATORY #4 List 1
2	
3	<u>Interrogatory</u>
4	
5	<b>Reference:</b> Exhibit C/Tab 1/Schedule 1, page 2
6	
7	a) Please provide the basis for the proposed \$3,000 charge for Net Metering projects and
8	Capacity Allocation Exempt projects.
9	
10	
11	<u>Response</u>
12	
13	a) Please refer to Exhibit I, Tab 1, Schedule 8.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 2 Schedule 5 Page 1 of 1

	Vulnerable Energy Consumers Coalition (VECC) INTERROGATORY #5 List 1
Int	errogatory
Re	ference: Exhibit C/Tab 1/Schedule 1, pages 3-4
a)	Prior to the EB-2009-0096 Decision, what was the CIA rate charged for small and mid-sized projects?
b)	What are the distinguishing features between these projects and the Capacity Allocation Exempt projects such that the latter warrant the lower charge?
c)	Why is August 31, 2010 the appropriate date on which to start charging the "full cost"?
<u>Re</u>	<u>sponse</u>
a)	Prior to the EB-2009-0096 Decision, Hydro One charged \$3000 for small projects and \$5000 for mid-sized projects.
))	The Capacity Allocation Exempt projects are to be treated as though they are the first projects at a station to gain capacity. As a result, these projects often require less complicated studies than those required for projects that are treated as though they are later to gain capacity at a station; this distinction results in a more streamlined Connection Impact Assessment study. Please refer to Exhibit I, Tab 1, Schedule 8.
;)	Hydro One undertook pre-application consultations with generation proponents from the late fall of 2009 through the early spring of 2010. During this time, the Company quoted its lower costs then in use for CIAs, on the assumption that it would be able to process these applications prior to the May 1 <sup>st</sup> , 2010 effective date for the new fees, should they be approved. Due to delays, however, many of these applications continued to arrive after May 1 <sup>st</sup> . Hydro One believed it was appropriate, therefore, to request a transition period up through August 31 <sup>st</sup> , 2010. This additional time would enable the Company to complete its assessments of these projects at the fee level previously discussed and avoid a sudden step-change in the costs for these proponents.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 3 Schedule 1 Page 1 of 1

1	<u>Canadian Manufacturers and Exporters (CME) INTERROGATORY #1 List 1</u>
2	
3	<u>Interrogatory</u>
4	
5	<b><u>Reference</u></b> : Exhibit B, Tab 1, Schedule 1
6	
7	The evidence at Exhibit B, Tab 1, Schedule 1, page 2, line 20 indicates that the
8	rate currently being charged to generators for joint use of a 50-ft. pole is \$28.61
9	per pole. Please explain how this current charge relates to the annual pole rental
10	charge of \$22.35 charged for the joint use of a pole for telecommunications
11	purposes, being an amount shown in line K of Table 1 in the evidence at
12	Exhibit B, Tab 1, Schedule 1, page 4. Is the calculation of the current \$28.61
13	charged to generators linked to the space allocation factor of 28.1% for LDC
14	attachments, compared to the 21.9% allocation factor applicable to
15	telecommunications attachments?
16	
17	
18	<u>Response</u>
19	
20	Please refer to Exhibit I, Tab 1, Schedule 4, part a.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 3 Schedule 2 Page 1 of 1

1	<u>Canadian Manufacturers and Exporters (CME) INTERROGATORY #2 List 1</u>
2	
3	<u>Interrogatory</u>
4	
5	<b><u>Reference</u></b> : Exhibit B, Tab 1, Schedule 1
6	
7	Please explain how the proposed charges of \$38.15 for a 60-ft.pole, \$45.78 for an
8	80-ft. pole, and \$49.21 for a 100-ft. pole have been derived from the data
9	provided in Table 2 and either the annual pole rental of \$22.35 charged for
10	telecommunications attachments, or the \$28.61 currently charged for LDC
11	attachments to 50-ft. poles.
12	
13	<u>Response</u>
14	
15	Please refer to Exhibit I, Tab 1, Schedule 4, part a.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 3 Schedule 3 Page 1 of 1

1	Canadian Manufacturers and Exporters (CME) INTERROGATORY #3 List 1
2	
3	Interrogatory
4	
5	<b>Reference:</b> Exhibit B, Tab 1, Schedule 1
6	
7	In a format comparable to Table 1 at Exhibit B, Tab 1, Schedule 1, page 4, lines A
8	to H inclusive, please provide the line items and Total Direct and Total Indirect
9	Costs for pole lengths ranging between 55-ft. and 100-ft.
10	
11	
12	<u>Response</u>
13	
14	Hydro One did not calculate each line item and all Direct and Indirect Costs for each
15	individual pole length. As explained in Hydro One's response to OEB Interrogatory 5(d),
16	the 50-foot pole was used as the starting point. Hydro One then used the total generator

power space divided by total power space times the starting value of \$57.22 to determine
 the generator's rental rate for 5-foot increments.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 3 Schedule 4 Page 1 of 1

1	<u>Canadian Manufacturers and Exporters (CME) INTERROGATORY #4 List 1</u>		
2			
3	<u>Interrogatory</u>		
4			
5	<b>Reference:</b> Exhibit B, Tab 1, Schedule 1		
6			
7	Please provide details of the variance account described at page 10 that Hydro		
8	One proposes to use to track joint use revenues in excess of the amount currently		
9	charged of \$28.61 for a 50-ft. pole with such revenues to be used to off-set future		
10	rates for its distribution customers. For example, will distribution customers		
11	receive a credit towards future rates of \$9.54 for every generator that chooses to		
12	attach to a 60-ft. pole? (the proposed charge of \$38.15 for a 60-ft. pole exceeds		
13	current charge of \$28.61 for a 50-ft. pole by \$9.54 per pole).		
14			
15	<u>Response</u>		
16			
17	Hydro One will defer to the Board's Decision with reference to tracking this revenue in a		
18	variance account. As noted in Hydro One's submission, referenced above, Hydro One is		
19	willing to track incremental revenues associated with any newly-approved rates in a		
20	variance account, and use these to offset future Distribution rates. In such a case, Hydro		
21	One agrees that the variance account would track revenues in excess of the \$28.61		

<sup>22</sup> approved LDC rate (consistent with the example provided above).

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 3 Schedule 5 Page 1 of 1

1	<u>Canadian Manufacturers and Exporters (CME) INTERROGATORY #5 List 1</u>			
2				
3	<u>Interrogatory</u>			
4				
5	<b>Reference:</b> Exhibit B, Tab 1, Schedule 1			
6				
7	Will the variance account apply in years beyond December 31, 2011?			
8				
9	<u>Response</u>			
10				
11	As noted in Exhibit I, Tab 3, Schedule 4, Hydro One will abide by the Board's Decision			
12	with respect to any variance account. Hydro One anticipates that the variance account			
13	will remain in place until the next Cost of Service filing.			
14				
15	In the next Cost of Service filing, projections of these and other external revenues will be			
16	used to offset the future revenue requirement from Hydro One Distribution's tariff and to			
17	thereby reduce the required revenue to be collected from distribution ratepayers,			
18	consistent with the current approach for all categorized external revenue earned through			
19	the provision of services to third parties.			

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 3 Schedule 6 Page 1 of 1

1	<u>Canadian Manufacturers and Exporters (CME) INTERROGATORY #6 List 1</u>
2	
3	Interrogatory
4	
5	<b><u>Reference</u></b> : Exhibit B, Tab 2, Schedule 1
6	
7	Will the annual COLA adjustment being proposed in Exhibit B, Tab 2,
8	Schedule 1, be recorded in the variance account as a credit to future distribution
9	rates?
10	
11	
12	Response
13	
14	Hydro One defers to the Board's Decision with respect to the need for and details of any
15	variance account.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 3 Schedule 7 Page 1 of 1

1	<u>Canadian Manufacturers and Exporters (CME) INTERROGATORY #7 List 1</u>		
2			
3	<u>Interrogatory</u>		
4			
5	<b><u>Reference</u></b> : Exhibit B, Tab 2, Schedule 1		
6			
7	What are the implications for distribution customers of Hydro One's request for		
8	varying fees for connection impacts assessments described in Exhibit C, Tab 1,		
9	Schedule 1, pages 1 to 4? In particular, what incremental revenue, if any, is likely		
10	to result from this proposal during the years 2010 and 2011, and is Hydro One		
11	proposing to track these incremental revenues in a variance account and use them		
12	to off-set future rates for its distribution customers?		
13			
14			
15	<u>Response</u>		
16			
17	Please refer to Exhibit I, Tab 1, Schedules 8 and 12, for information regarding		
18	projections/forecasts and incremental revenues.		
19			
20	Hydro One sees no need for tracking this revenue in a variance account as it will be		
21	offset by equal and also unforeseen costs. The revenue received from CIA fees is		
22	classified as external revenue. As is the case with all categorized external revenue earned		
23	through the provision of services to third parties, projections of these revenues are used to		
24	offset the future revenue requirement from Hydro One Distribution's tariff and thereby		
25	reduce the required revenue to be collected from distribution ratepayers.		
	1 1 5		

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 4 Schedule 1 Page 1 of 1

#### Energy Probe INTERROGATORY #1 List 1

### **Interrogatory**

5 Ref: Exhibit B, Tab 1, Schedule 1, p. 1

# Does Hydro One propose that it will erect all of the poles that approved generators request and are willing to pay the charge for?

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#### 11 **Response**

Yes. The basic premise is that Hydro One Distribution will attempt to utilize existing poles if sufficient to accommodate a generator. If a change to the existing pole line configuration is driven by generator needs, Hydro One Distribution will work together with the generator to determine the best arrangement to establish a common joint use pole line. The generator would be obligated to pay the incremental cost associated with this change

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 4 Schedule 2 Page 1 of 1

#### Energy Probe INTERROGATORY #2 List 1

#### **Interrogatory**

5 Ref: Exhibit B, Tab 1, Schedule 1, p. 1

7 Is it the case that only one new generator will connect to a given pole, or is it

8 possible that more than one generator will seek access to the same pole? If the

9 latter, what further arrangements if any are proposed?

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### *Response*

13

Yes it is possible more than one generator will connect to a given pole although this scenario would be very rare. Generators will pay rates based on the pole height and the associated power space they would require.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 4 Schedule 3 Page 1 of 1

#### Energy Probe INTERROGATORY #3 List 1

1

#### 2 *Interrogatory* 3 4 **Ref:** Exhibit B, Tab 1, Schedule 1, p. 4 5 6 Please explain the term "Net Embedded Cost per pole". 7 8 9 **Response** 10 11 The Net Embedded Cost is derived from the Hydro One's Poles & Fixtures account 12 (Uniform System of Accounts). Included in this account are poles and other fixtures such 13 as cross arms, insulators and hardware etc. Hydro One has taken 85% of the value of the 14 account, which excludes an allowance for the value of the cross arms, insulators and 15 hardware (approximately 15%), to derive the value of Hydro One Distribution's pole 16 inventory, only. This value is subsequently divided by Hydro One Distribution's total 17 pole inventory count to reach the average net embedded cost per pole. 18

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 4 Schedule 4 Page 1 of 1

1 2	Energy Probe INTERROGATORY #4 List 1
2	<u>Interrogatory</u>
4 5 6	Ref: Exhibit B, Tab 1, Schedule 1, p. 4
7	Please explain:
8 9 10	(i) how the pre-tax weighted average cost of capital of 11.42% was derived, including the specific numbers used and
11 12 13	(ii) what conditions justify the continued use of this weighted average cost of capital.
14 15 16	<u>Response</u>
17	
18 19 20	<ul> <li>(i) This value was extracted from the Appendix 2 of the Board's Telecommunication Decision (RP-2003-0249.)</li> </ul>
21 22 23 24 25	(ii) The negotiated LDC rate, originally approved in RP-2005-0020/EB-2005-0378, was reapproved in the Board's Decision on Hydro One's last Distribution Rate application (EB-2009-0096), issued on April 9, 2010. For internal consistency, the OEB approved LDC rate has been used to establish the minimum requirements needed to accommodate a generator's joint use.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 4 Schedule 5 Page 1 of 1

#### Energy Probe INTERROGATORY #5 List 1

#### **Interrogatory**

Ref: Exhibit B, Tab 1, Schedule 1, p. 4

# Is Hydro One taxable in respect of the income it derives from sharing the use of its poles? If so, please provide a brief overview of the tax situation.

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3 4

5 6

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#### 11 **Response**

<sup>13</sup> Under the *Electricity Act, 1998,* Hydro One is required to make payments in lieu of <sup>14</sup> corporate taxes to the Ontario Electricity Financial Corporation (OEFC). These <sup>15</sup> payments are calculated in accordance with the rules for computing income and taxable <sup>16</sup> capital and other relevant amounts contained in the *Income Tax Act* (Canada) and the <sup>17</sup> *Taxation Act, 2007* as modified by the *Electricity Act, 1998*, and related regulations.

18

As such, the income that Hydro One derives from sharing the use of its poles will be included, similarly to that from other sources, in computing its taxable income.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 4 Schedule 6 Page 1 of 1

#### 2 **Interrogatory** 3 4 Exhibit B, Tab 1, Schedule 1, p. 7 **Ref:** 5 6 Hydro One suggests that the proposed charges may be unregulated because the joint 7 use of the poles is a competitive service. 8 9 Does Hydro One provide other joint-use services on an unregulated basis? 10 11 12 **Response** 13 14 Yes, Hydro One's rates for Bell Canada and Local Distribution Company ("LDC") joint 15 use attachments to its poles are based on a negotiated price, rather than rates approved by 16 the OEB, due to other considerations such as reciprocal pole sharing arrangements and 17

vegetation management services.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 4 Schedule 7 Page 1 of 1

#### Energy Probe INTERROGATORY #7 List 1

#### **Interrogatory**

#### Ref: Exhibit B, Tab 1, Schedule 1, p. 7

## Please clarify why the joint use of poles is a competitive service. Has Hydro One considered a regime in which generators bid for pole space?

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3 4

5 6

### 11 <u>Response</u>

12

Hydro One believes that the rental of space on poles is a competitive service, as generators have an option to build their own pole line, and thus to select the preferred economic alternative for themselves. Please refer to Exhibit I, Tab 1, Schedule 1 and 2 for additional details. The construction of duplicative infrastructure is not Hydro One's preferred alternative, however, and the Company's position is to encourage joint use arrangements and one pole line.

19

Hydro One has not and is not considering a regime in which generators bid for pole space.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 4 Schedule 8 Page 1 of 1

1	Energy Probe INTERROGATORY #8 List 1		
2			
3	<u>Interrogatory</u>		
4			
5	Ref: Exhibit B, Tab 1, Schedule 1, p. 8		
6			
7	Please explain why a "tenancy joint use agreement for use of a generator's poles"		
8	could be necessary if each generator constructs, installs, and maintains its own		
9	utility poles.		
10			
11			
12	<u>Response</u>		
13			
14	Please refer to Exhibit I, Tab 1, .Schedule 2.		

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 4 Schedule 9 Page 1 of 1

1 2	Energy Probe INTERROGATORY #9 List 1
3	<u>Interrogatory</u>
4 5	Ref: Exhibit B, Tab 1, Schedule 1, p. 8
6 7 8 9 10	Does Hydro One consider that it would be realistic as an alternative to joint use and economically efficient for generators to construct, install and maintain their own poles?
11 12 13	<u>Response</u> Disease refer to Erchibit I. Tab 1. Schodulo 1
14 15	Please refer to Exhibit I, Tab 1, Schedule 1.

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 4 Schedule 10 Page 1 of 1

2	
3	<u>Interrogatory</u>
4 5	Ref: Exhibit B, Tab 1, Schedule 1, p. 8
6 7 8 9	If, as Hydro One indicates, the joint use costs are typically less than the sum of the stand-alone costs, does Hydro One maintain that the charge for joint use should equal the costs that a generator would save compared with stand-alone costs?
10	
10 11 12 13	<u>Response</u>

Filed: September 7, 2010 EB-2010-0228 Exhibit I Tab 4 Schedule 11 Page 1 of 1

Energy Probe	INTERROGATORY #11	List 1
Litter Sy 11000		

### 3 <u>Interrogatory</u> 4

5 Ref: Exhibit B, Tab 2, Schedule 1, p. 2

7 What is the "asset base value" referred to? Is it the same as Net Embedded Cost?

8

6

1 2

9

10 **Response** 

11 12 Yes.