

Hydro One Networks Inc.

7th Floor, South Tower
483 Bay Street
Toronto, Ontario M5G 2P5
www.HydroOne.com

Tel: (416) 345-5240
Cell: (416) 903-5240
Oded.Hubert@HydroOne.com

Oded Hubert

Vice President
Regulatory Affairs



BY COURIER

December 18, 2015

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

Dear Ms. Walli,

**EB-2015-0269 - HONI Distribution Rate Application for the Area Formerly Served by
Norfolk Power Distribution Inc. - Technical Conference Undertaking Response**

In respect of the above-noted proceeding, please find enclosed the response to the undertaking provided by Hydro One Distribution at the December 16, 2015 technical conference.

The responses have also been filed electronically through the Board's Regulatory Electronic Submission System (RESS).

Sincerely,

ORIGINAL SIGNED BY HENRY ANDRE FOR

Oded Hubert

Encls.

UNDERTAKING - NORFOLK TC1

Undertaking

Provide the total bill impacts for low volume customers based on 10th percentile consumption value.

Response

Hydro One Networks Inc (“Hydro One”) has revised Table 2, Total Bill Impacts over the Four Transition Years, originally provided in the EB-2015-0269 application submitted October 13, 2015.

Table 2 has been updated to show the Total Bill impacts using an assumed 10th percentile consumption value for Norfolk residential customers.

The load consumption data required to derive the 10th percentile consumption for Norfolk customers cannot be collected in time for responding to this undertaking. For the purpose of calculating the requested bill impacts, Hydro One has therefore used the same 10th percentile consumption value as Haldimand County Hydro (200 kWh/month) for calculating bill impacts. In Hydro One’s view, this is a very reasonable approximation for Norfolk residential customers, given that Haldimand and Norfolk are adjacent counties that share a similar geography and climate.

The revised detailed bill impact sheets showing the calculation of the low volume total bill impacts summarized in Table 2 are provide as Attachment 1 to this response.

Hydro One provides this information without prejudice, as we believe that Section 2.8.13 of the Board’s Chapter 2 Filing Requirements issued July 16, 2015 are very specific, requiring Distributors to consider the impact at the 10th percentile consumption only when it is not possible to get below an impact of \$4 per year by transitioning to an all-fixed charge in 4 or 5 years, and/or “when assessing the ***combined effects*** of the shift to fixed rates and other bill impacts associated with changes to the cost of distribution service” [*emphasis added*]. Unlike IRM or rebasing rates applications, which include changes to the cost of distribution service, this application is strictly related to the move to an all-fixed charge. No other changes to the cost of distribution service are requested in this application.

Table 2: Total Bill Impacts – 2015 to 2019

Consumption	Total Bill 2015 (\$)	Total Bill 2016 (\$)	Change in Total Bill (\$)	Change in Total Bill (%)
Low – 200 kWh	58.79	62.02	3.23	5.50
Average – 800 kWh	158.44	158.08	-0.36	-0.23
High – 1,500 kWh	274.70	270.15	-4.55	-1.66

Consumption	Total Bill 2016 (\$)	Total Bill 2017 (\$)	Change in Total Bill (\$)	Change in Total Bill (%)
Low – 200 kWh	62.02	64.02	2.00	3.22
Average – 800 kWh	158.08	156.35	-1.73	-1.09
High – 1,500 kWh	270.15	264.07	-6.08	-2.25

Consumption	Total Bill 2017 (\$)	Total Bill 2018 (\$)	Change in Total Bill (\$)	Change in Total Bill (%)
Low – 200 kWh	64.02	67.26	3.24	5.07
Average – 800 kWh	156.35	156.00	-0.35	-0.22
High – 1,500 kWh	264.07	259.53	-4.54	-1.72

Consumption	Total Bill 2018 (\$)	Total Bill 2019 (\$)	Change in Total Bill (\$)	Change in Total Bill (%)
Low – 200 kWh	67.26	69.58	2.32	3.44
Average – 800 kWh	156.00	154.66	-1.34	-0.86
High – 1,500 kWh	259.53	253.91	-5.62	-2.16

2016 Bill Impacts (Low Consumption Level)

Filed: 2015-12-18
EB-2015-0269
Exhibit Norfolk TC1
Attachment 1
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Rate Class	Residential
Monthly Consumption (kWh)	200
Peak (kW)	0
Loss factor	1.0564
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	211
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	200	0.094	18.80	200	0.094	18.80	0.00	0.00%	31.29%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			18.80			18.80	0.00	0.00%	31.29%	
TOU-Off Peak	128	0.080	10.24	128	0.080	10.24	0.00	0.00%		16.51%
TOU-Mid Peak	36	0.122	4.39	36	0.122	4.39	0.00	0.00%		7.08%
TOU-On Peak	36	0.161	5.80	36	0.161	5.80	0.00	0.00%		9.35%
Sub-Total: Energy (TOU)			20.43			20.43	0.00	0.00%	34.00%	32.94%
Service Charge	1	20.87	20.87	1	24.85	24.85	3.98	19.07%	41.36%	40.07%
Smart Meter Rider	1	1.03	1.03	1	1.03	1.03	0.00	0.00%	1.71%	1.66%
Fixed Rate Rider per Acquisition Agreement	1	-0.31	-0.31	1	-0.37	-0.37	-0.06	19.35%	-0.62%	-0.60%
Distribution Volumetric Rate	200	0.0218	4.36	200	0.0164	3.28	-1.08	-24.77%	5.46%	5.29%
Variable Rate Rider per Acquisition Agreement	200	-0.0003	-0.06	200	-0.0002	-0.04	0.02	-33.33%	-0.07%	-0.06%
Low Voltage Volumetric Rate	200	0.0009	0.18	200	0.0009	0.18	0.00	0.00%	0.30%	0.29%
Rate Rider for Application of Tax Changes	200	0.0002	0.04	200	0.0002	0.04	0.00	0.00%	0.07%	0.06%
Sub-Total: Distribution (excluding pass through)			26.11			28.97	2.86	10.95%	48.22%	46.71%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.31%	1.27%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.09	1.06	11	0.09	1.06	0.00	0.00%	1.76%	1.71%
Line Losses on Cost of Power (based on TOU prices)	11	0.10	1.15	11	0.10	1.15	0.00	0.00%	1.92%	1.86%
Sub-Total: Distribution (based on two-tier RPP prices)			27.96			30.82	2.86	10.23%	51.30%	49.69%
Sub-Total: Distribution (based on TOU prices)			28.05			30.91	2.86	10.20%	51.45%	49.84%
Retail Transmission Rate – Network Service Rate	211	0.0067	1.42	211	0.0067	1.42	0.00	0.00%	2.36%	2.28%
Retail Transmission Rate – Line and Transformation Connection Service Rate	211	0.0032	0.68	211	0.0032	0.68	0.00	0.00%	1.13%	1.09%
Sub-Total: Retail Transmission			2.09			2.09	0.00	0.00%	3.48%	3.37%
Sub-Total: Delivery (based on two-tier RPP prices)			30.05			32.91	2.86	9.52%	54.78%	53.07%
Sub-Total: Delivery (based on TOU prices)			30.14			33.00	2.86	9.49%	54.94%	53.21%
Wholesale Market Service Rate	211	0.0044	0.93	211	0.0044	0.93	0.00	0.00%	1.55%	1.50%
Rural Rate Protection Charge	211	0.0013	0.27	211	0.0013	0.27	0.00	0.00%	0.46%	0.44%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.42%	0.40%
Sub-Total: Regulatory			1.45			1.45	0.00	0.00%	2.42%	2.34%
Total Bill on Two-Tier RPP (before Taxes)			50.31			53.17	2.86	5.69%	88.50%	
HST		0.13	6.54		0.13	6.91	0.37	5.69%	11.50%	
Total Bill on Two-Tier RPP (including HST)			56.85			60.08	3.23	5.69%	100.00%	
Total Bill on TOU (before Taxes)			52.03			54.89	2.86	5.50%		88.50%
HST		0.13	6.76		0.13	7.14	0.37	5.50%		11.50%
Total Bill on TOU (including HST)			58.79			62.02	3.23	5.50%		100.00%

2017 Bill Impacts (Low Consumption Level)

Filed: 2015-12-18
EB-2015-0269
Exhibit Norfolk TC1
Attachment 1
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Rate Class	Residential
Monthly Consumption (kWh)	200
Peak (kW)	0
Loss factor	1.0564
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	211
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	200	0.094	18.80	200	0.094	18.80	0.00	0.00%	30.28%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			18.80			18.80	0.00	0.00%	30.28%	
TOU-Off Peak	128	0.080	10.24	128	0.080	10.24	0.00	0.00%		15.99%
TOU-Mid Peak	36	0.122	4.39	36	0.122	4.39	0.00	0.00%		6.86%
TOU-On Peak	36	0.161	5.80	36	0.161	5.80	0.00	0.00%		9.05%
Sub-Total: Energy (TOU)			20.43			20.43	0.00	0.00%	32.91%	31.91%
Service Charge	1	24.85	24.85	1	28.81	28.81	3.96	15.94%	46.41%	45.00%
Smart Meter Rider	1	1.03	1.03	1	0.00	0.00	-1.03	-100.00%	0.00%	0.00%
Fixed Rate Rider per Acquisition Agreement	1	-0.37	-0.37	1	-0.43	-0.43	-0.06	16.22%	-0.69%	-0.67%
Distribution Volumetric Rate	200	0.0164	3.28	200	0.0109	2.18	-1.10	-33.54%	3.51%	3.41%
Variable Rate Rider per Acquisition Agreement	200	-0.0002	-0.04	200	-0.0002	-0.04	0.00	0.00%	-0.06%	-0.06%
Low Voltage Volumetric Rate	200	0.0009	0.18	200	0.0009	0.18	0.00	0.00%	0.29%	0.28%
Rate Rider for Application of Tax Changes	200	0.0002	0.04	200	0.0002	0.04	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			28.97			30.74	1.77	6.11%	49.52%	48.02%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.27%	1.23%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.09	1.06	11	0.09	1.06	0.00	0.00%	1.71%	1.66%
Line Losses on Cost of Power (based on TOU prices)	11	0.10	1.15	11	0.10	1.15	0.00	0.00%	1.86%	1.80%
Sub-Total: Distribution (based on two-tier RPP prices)			30.82			32.59	1.77	5.74%	52.50%	50.91%
Sub-Total: Distribution (based on TOU prices)			30.91			32.68	1.77	5.73%	52.65%	51.05%
Retail Transmission Rate – Network Service Rate	211	0.0067	1.42	211	0.0067	1.42	0.00	0.00%	2.28%	2.21%
Retail Transmission Rate – Line and Transformation Connection Service Rate	211	0.0032	0.68	211	0.0032	0.68	0.00	0.00%	1.09%	1.06%
Sub-Total: Retail Transmission			2.09			2.09	0.00	0.00%	3.37%	3.27%
Sub-Total: Delivery (based on two-tier RPP prices)			32.91			34.68	1.77	5.38%	55.87%	54.17%
Sub-Total: Delivery (based on TOU prices)			33.00			34.77	1.77	5.36%	56.02%	54.32%
Wholesale Market Service Rate	211	0.0044	0.93	211	0.0044	0.93	0.00	0.00%	1.50%	1.45%
Rural Rate Protection Charge	211	0.0013	0.27	211	0.0013	0.27	0.00	0.00%	0.44%	0.43%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.40%	0.39%
Sub-Total: Regulatory			1.45			1.45	0.00	0.00%	2.34%	2.27%
Total Bill on Two-Tier RPP (before Taxes)			53.17			54.94	1.77	3.33%	88.50%	
HST		0.13	6.91		0.13	7.14	0.23	3.33%	11.50%	
Total Bill on Two-Tier RPP (including HST)			60.08			62.08	2.00	3.33%	100.00%	
Total Bill on TOU (before Taxes)			54.89			56.66	1.77	3.22%		88.50%
HST		0.13	7.14		0.13	7.37	0.23	3.22%		11.50%
Total Bill on TOU (including HST)			62.02			64.02	2.00	3.22%		100.00%

2018 Bill Impacts (Low Consumption Level)

Filed: 2015-12-18
EB-2015-0269
Exhibit Norfolk TC1
Attachment 1
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Rate Class	Residential
Monthly Consumption (kWh)	200
Peak (kW)	0
Loss factor	1.0564
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	211
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	200	0.094	18.80	200	0.094	18.80	0.00	0.00%	28.78%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			18.80			18.80	0.00	0.00%	28.78%	
TOU-Off Peak	128	0.080	10.24	128	0.080	10.24	0.00	0.00%		15.22%
TOU-Mid Peak	36	0.122	4.39	36	0.122	4.39	0.00	0.00%		6.53%
TOU-On Peak	36	0.161	5.80	36	0.161	5.80	0.00	0.00%		8.62%
Sub-Total: Energy (TOU)			20.43			20.43	0.00	0.00%	31.27%	30.37%
Service Charge	1	28.81	28.81	1	32.80	32.80	3.99	13.85%	50.21%	48.76%
Smart Meter Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Fixed Rate Rider per Acquisition Agreement	1	-0.43	-0.43	1	-0.49	-0.49	-0.06	13.95%	-0.75%	-0.73%
Distribution Volumetric Rate	200	0.0109	2.18	200	0.0055	1.10	-1.08	-49.54%	1.68%	1.64%
Variable Rate Rider per Acquisition Agreement	200	-0.0002	-0.04	200	-0.0001	-0.02	0.02	-50.00%	-0.03%	-0.03%
Low Voltage Volumetric Rate	200	0.0009	0.18	200	0.0009	0.18	0.00	0.00%	0.28%	0.27%
Rate Rider for Application of Tax Changes	200	0.0002	0.04	200	0.0002	0.04	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			30.74			33.61	2.87	9.34%	51.45%	49.97%
Smart Metering Entity Charge	1	0.79	0.79	1	0.79	0.79	0.00	0.00%	1.21%	1.17%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.09	1.06	11	0.09	1.06	0.00	0.00%	1.62%	1.58%
Line Losses on Cost of Power (based on TOU prices)	11	0.10	1.15	11	0.10	1.15	0.00	0.00%	1.76%	1.71%
Sub-Total: Distribution (based on two-tier RPP prices)			32.59			35.46	2.87	8.81%	54.29%	52.72%
Sub-Total: Distribution (based on TOU prices)			32.68			35.55	2.87	8.78%	54.43%	52.85%
Retail Transmission Rate – Network Service Rate	211	0.0067	1.42	211	0.0067	1.42	0.00	0.00%	2.17%	2.10%
Retail Transmission Rate – Line and Transformation Connection Service Rate	211	0.0032	0.68	211	0.0032	0.68	0.00	0.00%	1.04%	1.01%
Sub-Total: Retail Transmission			2.09			2.09	0.00	0.00%	3.20%	3.11%
Sub-Total: Delivery (based on two-tier RPP prices)			34.68			37.55	2.87	8.28%	57.49%	55.83%
Sub-Total: Delivery (based on TOU prices)			34.77			37.64	2.87	8.25%	57.63%	55.96%
Wholesale Market Service Rate	211	0.0044	0.93	211	0.0044	0.93	0.00	0.00%	1.42%	1.38%
Rural Rate Protection Charge	211	0.0013	0.27	211	0.0013	0.27	0.00	0.00%	0.42%	0.41%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.38%	0.37%
Sub-Total: Regulatory			1.45			1.45	0.00	0.00%	2.23%	2.16%
Total Bill on Two-Tier RPP (before Taxes)			54.94			57.81	2.87	5.22%	88.50%	
HST		0.13	7.14		0.13	7.51	0.37	5.22%	11.50%	
Total Bill on Two-Tier RPP (including HST)			62.08			65.32	3.24	5.22%	100.00%	
Total Bill on TOU (before Taxes)			56.66			59.53	2.87	5.07%		88.50%
HST		0.13	7.37		0.13	7.74	0.37	5.07%	11.50%	
Total Bill on TOU (including HST)			64.02			67.26	3.24	5.07%		100.00%

2019 Bill Impacts (Low Consumption Level)

Filed: 2015-12-18
EB-2015-0269
Exhibit Norfolk TC1
Attachment 1
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Rate Class	Residential
Monthly Consumption (kWh)	200
Peak (kW)	0
Loss factor	1.0564
Commodity Threshold	600
Monthly Consumption (kWh) - Uplifted	211
Charge determinant	kWh

	Volume	Current Rate (\$)	Current Charge (\$)	Volume	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill on RPP	% of Total Bill on TOU
Energy First Tier (kWh)	200	0.094	18.80	200	0.094	18.80	0.00	0.00%	27.80%	
Energy Second Tier (kWh)	0	0.110	0.00	0	0.110	0.00	0.00	0.00%	0.00%	
Sub-Total: Energy (RPP)			18.80			18.80	0.00	0.00%	27.80%	
TOU-Off Peak	128	0.080	10.24	128	0.080	10.24	0.00	0.00%		14.72%
TOU-Mid Peak	36	0.122	4.39	36	0.122	4.39	0.00	0.00%		6.31%
TOU-On Peak	36	0.161	5.80	36	0.161	5.80	0.00	0.00%		8.33%
Sub-Total: Energy (TOU)			20.43			20.43	0.00	0.00%	30.20%	29.36%
Service Charge	1	32.80	32.80	1	36.78	36.78	3.98	12.13%	54.38%	52.86%
Smart Meter Rider	1	0	0.00	1	0.00	0.00	0.00	0.00%	0.00%	0.00%
Fixed Rate Rider per Acquisition Agreement	1	-0.49	-0.49	1	-0.55	-0.55	-0.06	12.24%	-0.81%	-0.79%
Distribution Volumetric Rate	200	0.0055	1.10	200	0.0000	0.00	-1.10	-100.00%	0.00%	0.00%
Variable Rate Rider per Acquisition Agreement	200	-0.0001	-0.02	200	0	0.00	0.02	-100.00%	0.00%	0.00%
Low Voltage Volumetric Rate	200	0.0009	0.18	200	0.0009	0.18	0.00	0.00%	0.27%	0.26%
Rate Rider for Application of Tax Changes	200	0.0002	0.04	200	0.0002	0.04	0.00	0.00%	0.06%	0.06%
Sub-Total: Distribution (excluding pass through)			33.61			36.45	2.84	8.45%	53.89%	52.38%
Smart Metering Entity Charge	1	0.79	0.79	1	0	0.00	-0.79	-100.00%	0.00%	0.00%
Line Losses on Cost of Power (based on two-tier RPP prices)	11	0.09	1.06	11	0.09	1.06	0.00	0.00%	1.57%	1.52%
Line Losses on Cost of Power (based on TOU prices)	11	0.10	1.15	11	0.10	1.15	0.00	0.00%	1.70%	1.66%
Sub-Total: Distribution (based on two-tier RPP prices)			35.46			37.51	2.05	5.78%	55.46%	53.91%
Sub-Total: Distribution (based on TOU prices)			35.55			37.60	2.05	5.77%	55.59%	54.04%
Retail Transmission Rate – Network Service Rate	211	0.0067	1.42	211	0.0067	1.42	0.00	0.00%	2.09%	2.03%
Retail Transmission Rate – Line and Transformation Connection Service Rate	211	0.0032	0.68	211	0.0032	0.68	0.00	0.00%	1.00%	0.97%
Sub-Total: Retail Transmission			2.09			2.09	0.00	0.00%	3.09%	3.01%
Sub-Total: Delivery (based on two-tier RPP prices)			37.55			39.60	2.05	5.46%	58.55%	56.91%
Sub-Total: Delivery (based on TOU prices)			37.64			39.69	2.05	5.45%	58.69%	57.05%
Wholesale Market Service Rate	211	0.0044	0.93	211	0.0044	0.93	0.00	0.00%	1.37%	1.34%
Rural Rate Protection Charge	211	0.0013	0.27	211	0.0013	0.27	0.00	0.00%	0.41%	0.39%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.00%	0.37%	0.36%
Sub-Total: Regulatory			1.45			1.45	0.00	0.00%	2.15%	2.09%
Total Bill on Two-Tier RPP (before Taxes)			57.81			59.86	2.05	3.55%	88.50%	
HST		0.13	7.51		0.13	7.78	0.27	3.55%	11.50%	
Total Bill on Two-Tier RPP (including HST)			65.32			67.64	2.32	3.55%	100.00%	
Total Bill on TOU (before Taxes)			59.53			61.58	2.05	3.44%		88.50%
HST		0.13	7.74		0.13	8.00	0.27	3.44%		11.50%
Total Bill on TOU (including HST)			67.26			69.58	2.32	3.44%		100.00%