

**ONTARIO ENERGY BOARD**

**IN THE MATTER OF** the *Ontario Energy Board Act 1998*,  
Schedule B to the *Energy Competition Act, 1998*, S.O. 1998, c.15;

**AND IN THE MATTER OF** an Application by Toronto Hydro-  
System Electric Limited for an Order or Orders approving or fixing  
just and reasonable rates and other service charges for the  
distribution of electricity as of May 1, 2015.

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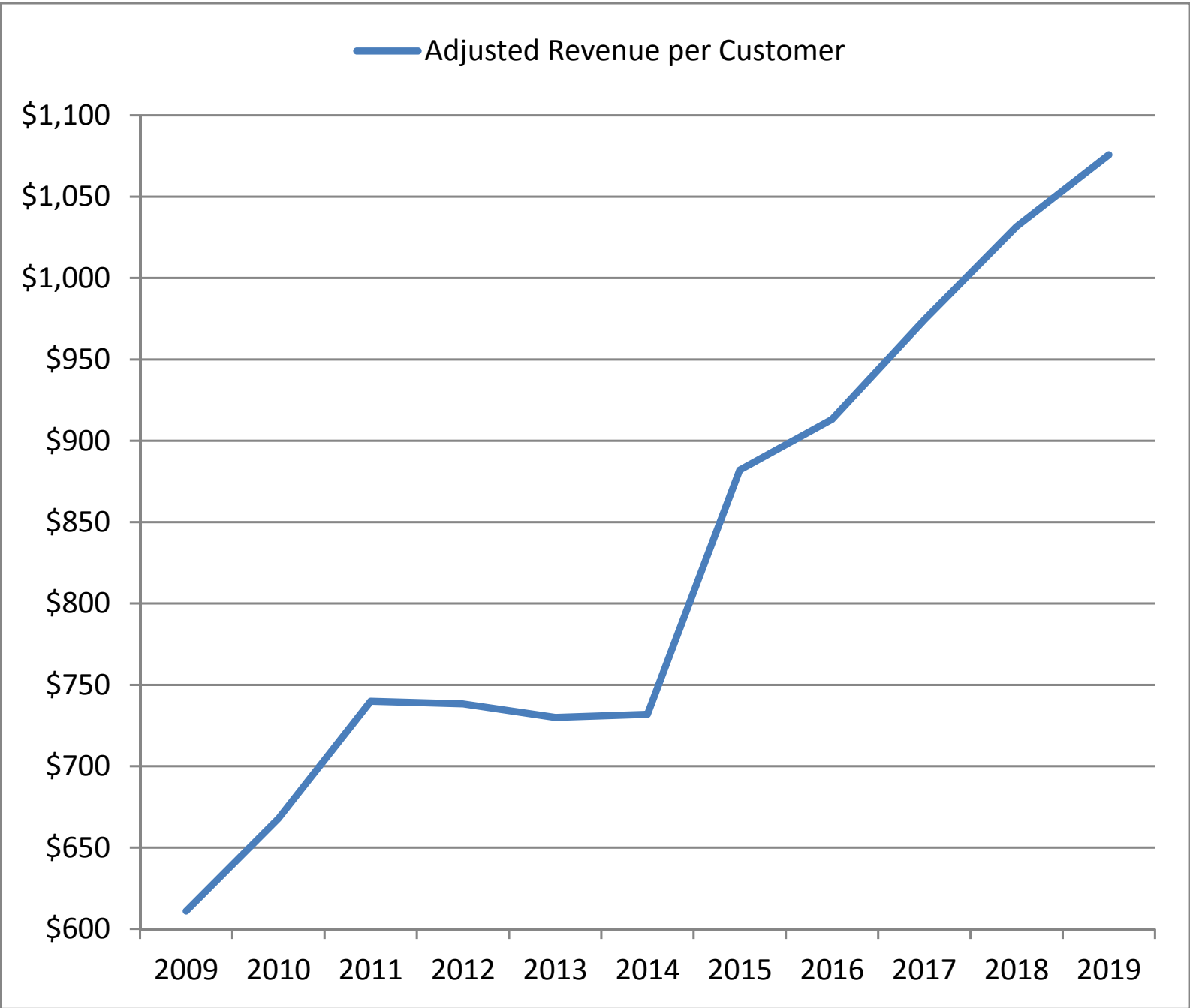
**CROSS-EXAMINATION COMPENDIUM OF THE SCHOOL ENERGY COALITION  
(Panel 2 – Part 1)**

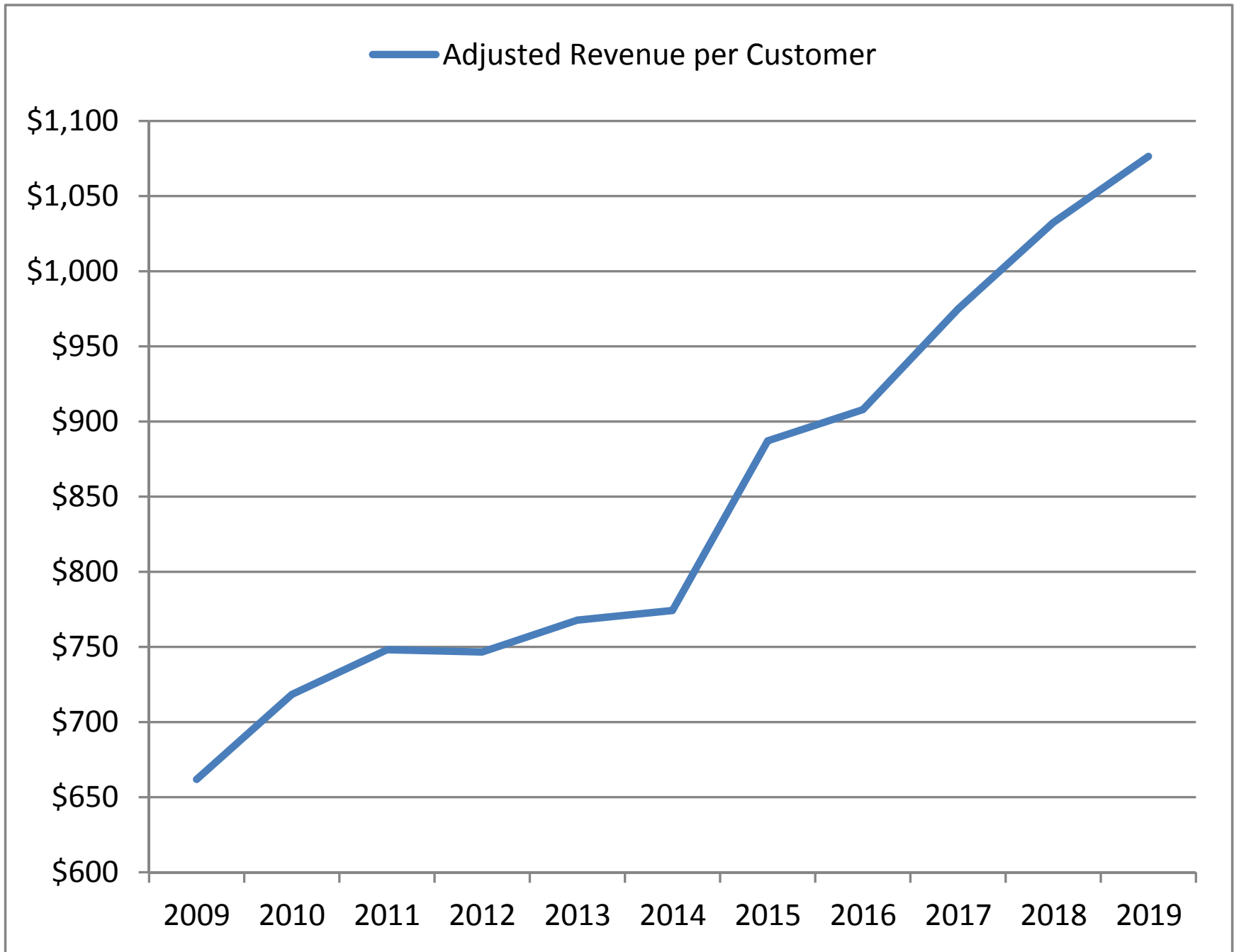
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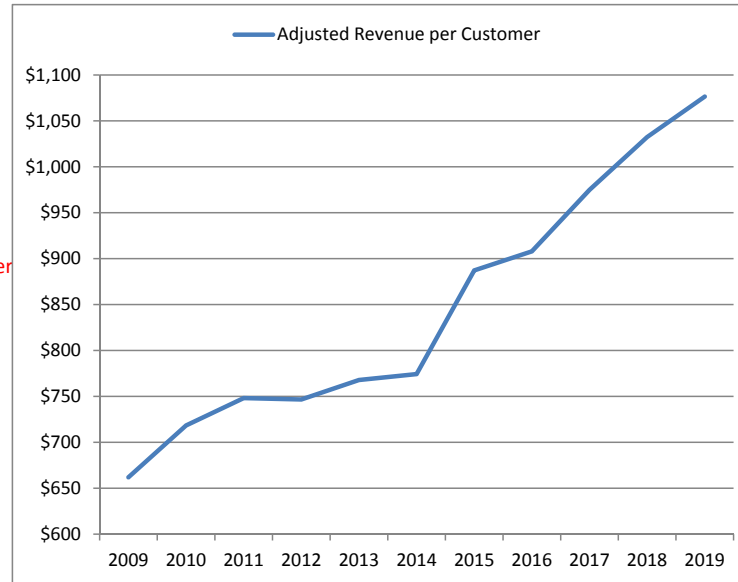
Revenues and Revenues per Customer 2009 to 2019

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Revenue	456.3	500.5	528	532.4	556	570.6	665.1	692.8	754.4	810.5	857.8	<- Weather Normalized load and customers times appr
% Increase		9.69%	5.49%	0.83%	4.43%	2.63%	16.56%	4.16%	8.89%	7.44%	5.84%	87.99%
Customers	689,399	696,729	705,756	713,093	724,144	736,974	749,679	763,091	773,850	785,107	796,865	<- Excludes USL and SL Connections/Devices
Rev/Cust	\$661.88	\$718.36	\$748.13	\$746.61	\$767.80	\$774.25	\$887.18	\$907.89	\$974.87	\$1,032.34	\$1,076.47	
% Increase		8.53%	4.15%	-0.20%	2.84%	0.84%	14.59%	2.33%	7.38%	5.90%	4.27%	62.64%
This application												39.03%

Source Ex. 3/1/1, p. 1, January 15, 2015

Notes:

- 1) Correction to 2009 and 2010 Revenues based on Adjustments to 2011 Revenue as described in 2011 Financial Statements - \$24.6M (E1C, T4, S2, App. A)
- 2) 2009-2014 Revenues adjusted to include revenues from Smart Meter and ICM rate rider
- 3) 2015-19 Revenues updated to reflect latest update to evidence (Feb 6)



1 **LOADS, CUSTOMERS AND REVENUE**

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Toronto Hydro’s total load, customer and distribution revenue forecast is summarized in Table 1. The revenue forecast is calculated based on proposed distribution rates, excluding commodity, rate riders, and all other non-distribution rates.

7 **Table 1: Total Load, Revenues and Customers**

YEAR		Total Normalized GWh	Total Normalized MVA	Total Distribution Revenue (\$M)	Total Customers
2009	Actual	25,572.8	42,754.7	\$475.2	689,399
2010	Actual	25,607.2	43,273.3	\$519.3	696,729
2011	Actual	25,419.0	43,020.2	\$522.2	705,756
2012	Actual	25,639.2	43,544.5	\$527.9	713,093
2013	Actual	25,213.2	42,658.7	\$529.5	724,144
2014	Bridge	25,018.5	42,712.7	\$539.4	736,974
2015	Test	24,993.3	42,697.2	\$655.1	749,679
2016	Test	25,027.4	42,806.2	\$692.8	763,091
2017	Test	24,841.6	42,631.3	\$754.4	773,850
2018	Test	24,696.9	42,584.4	\$810.5	785,107
2019	Test	24,611.4	42,529.2	\$857.8	796,865

} /C

Notes:

1. Total Normalized GWh are purchased GWh (before losses), and are weather normalized to the Test Year heating and cooling degree day assumptions.
2. Total Normalized MVA are weather normalized MVA.
3. Total Distribution Revenue is weather normalized and includes an adjustment for the Transformer allowance.
4. Total Customers are as of mid-year and exclude street lighting devices and unmetered load connections.

8 The detailed load forecasts by rate class are shown at Exhibit 3, Tab 1, Schedule 1,  
 9 Appendix B. Forecasts of customers by rate class are shown at Exhibit 3, Tab 1,  
 10 Schedule 1, Appendix C. Forecast of distribution revenues by rate class are shown at  
 11 Exhibit 3, Tab 1, Schedule 1, Appendix E.

12

Table 1: Customers by Class

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10	Col. 11	Col. 12	Col. 13	Col. 14	Col. 15	Col. 16	Col. 17	Col. 18	Col. 19
		2009 Board Approved	2009 Actual	2010 Board Approved	2010 Actual	2011 Board Approved	2011 Actual	2012 Board Approved	2012 Actual	2013 Board Approved	2013 Actual	2014 Board Approved	2014 Bridge Year	2015 Test Year	2016 Test Year	2017 Test Year	2018 Test Year	2019 Test Year
Residential	Customers	611,808	609,439	614,841	616,394	623,406	624,649	n/a	632,147	n/a	606,350	n/a	611,150	612,985	614,819	616,654	618,488	620,322
Competitive Sector Multi-Unit Residential (CSMUR)	Customers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	36,156	n/a	43,591	54,122	65,384	73,991	83,099	92,706
GS <50 kW	Customers	66,191	66,074	65,747	65,799	65,792	66,681	n/a	67,401	n/a	68,312	n/a	68,891	69,131	69,266	69,402	69,537	69,673
GS 50-999 kW	Customers	11,719	12,231	12,276	12,873	13,067	12,845	n/a	12,129	n/a	11,885	n/a	11,957	12,054	12,233	12,412	12,591	12,770
GS 1000-4999 kW	Customers	530	515	517	509	514	503	n/a	496	n/a	516	n/a	439	440	442	443	444	445
Large Use	Customers	49	47	47	47	47	50	n/a	52	n/a	52	n/a	48	49	49	50	50	51
Street Lighting	Devices	162,450	162,219	162,353	162,964	162,777	163,071	n/a	163,210	n/a	163,426	n/a	163,825	164,098	164,371	164,644	164,916	165,189
Unmetered Scattered Load	Customers	1,135	1,093	1,124	1,107	1,130	1,028	n/a	868	n/a	873	n/a	898	898	898	898	898	898
	Connections	19,907	21,286	21,782	12,159	21,729	12,499	n/a	11,697	n/a	11,784	n/a	11,720	11,720	11,720	11,720	11,720	11,720
Total	Customers	691,432	689,399	694,551	696,729	703,956	705,756	n/a	713,093	n/a	724,144	n/a	736,974	749,679	763,091	773,850	785,107	796,865
	Connections/devices	182,357	183,505	184,136	175,123	184,506	175,570	n/a	174,907	n/a	175,210	n/a	175,545	175,818	176,091	176,364	176,636	176,909
Notes																		
1. Customer and Connection/Device values are mid-year																		
2. CSMUR rate class implementation date - Jun 01, 2013. Prior years were included in Residential class.																		

**Table 2 PSE Reply Report Cost Model Results**

<b>Year</b>	<b>Percent of U.S. Total Cost Econometric Benchmark</b>	<b>Total Cost Econometric Benchmark, \$M</b>	<b>Total Cost THESL, \$M</b>
2002	-28.0%	\$591	\$446
2003	-26.5%	\$602	\$462
2004	-25.4%	\$600	\$466
2005	-32.4%	\$638	\$461
2006	-29.2%	\$641	\$479
2007	-29.2%	\$676	\$505
2008	-26.0%	\$687	\$529
2009	-22.6%	\$713	\$569
2010	-17.8%	\$739	\$619
2011	-14.0%	\$756	\$657
2012	-13.9%	\$739	\$643
2013	-6.3%	\$755	\$708
2014	-4.6%	\$816	\$780
2015	4.1%	\$843	\$878
2016	5.2%	\$895	\$942
2017	6.2%	\$943	\$1,003
2018	6.3%	\$993	\$1,057
2019	7.0%	\$1,046	\$1,121