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Frank D'Andrea

Vice President
Regulatory Affairs

BY COURIER

June 28, 2018

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-2017-0049 Hydro One Networks Inc. 2018-2022 Distribution Custom IR Application
(the "Application") – Updates to Evidence**

Please find enclosed an update to Table 4 in Exhibit E1-01-02 as well as responses to undertakings J 7.2, J 7.6, J 7.7, J 8.2, J 8.3, and J 8.5 from the Oral Hearing held on June 28, 2018 in regards to the above noted proceeding.

This filing has been submitted electronically using the Board's Regulatory Electronic Submission System and two (2) hard copies will be sent via courier.

Sincerely,

ORIGINAL SIGNED BY FRANK D'ANDREA

Frank D'Andrea

Enc.

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Table 4: Retail Services Revenue

Rate Code	Description	Historical Years			Bridge Year		Test Years									
		2014	2015	2016	2017		2018*		2019		2020		2021		2022	
		Volume / Revenue	Volume / Revenue	Volume / Revenue	Actual Volume	Actual Revenue	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast
2	Statement of Account	N/A	N/A	9,818	7,578	\$0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	Duplicate Invoices for Previous Billing	N/A	N/A	N/A	12,645	\$0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	Request for other billing information	N/A	N/A	9,818	7,578	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6a	Easement Letter (Letter Request)	1,787	1,471	1,045	844	\$12,660	405	\$35,195	83	\$7,328	0	\$0	0	\$0	0	\$0
6b	Easement Letter (Web Request)	2,804	3,046	3,247	0	\$0	3,621	\$86,904	3,812	\$91,488	4,004	\$96,096	4,196	\$100,704	4,387	\$105,288
7	Income Tax Letter	N/A	N/A	N/A	12,645	\$0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	Account History	N/A	N/A	9,818	7,578	\$0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	Credit Reference / Credit check (plus credit agency costs)	N/A	N/A	N/A	19,262	\$0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11	Returned Cheque Charge	6,521	5,677	6,270	8,450	\$126,747	5,664	\$41,800	5,324	\$39,931	5,005	\$38,136	4,704	\$36,412	4,422	\$34,758

Witness: Imran Merali/John Boldt

Rate Code	Description	Historical Years			Bridge Year		Test Years									
		2014	2015	2016	2017		2018*		2019		2020		2021		2022	
		Volume / Revenue	Volume / Revenue	Volume / Revenue	Actual Volume	Actual Revenue	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast
14	Account Set Up Charge / Change of occupancy charge (Plus Credit Agency Costs, if applicable)	112,778	122,681	127,696	131,690	\$3,950,697	92,835	\$3,425,593	89,075	\$3,339,411	85,467	\$3,255,445	82,006	\$3,174,443	78,685	\$3,092,302
15	Special Meter Reads (retailer requested off-cycle read)	N/A	N/A	N/A	11	\$330	100	\$9,078	100	\$9,174	100	\$9,269	100	\$9,371	100	\$9,467
16	Collection of Account Charge - No Disconnection	926	4,826	5,695	2,214	\$66,420	2,000	\$197,460	1,900	\$189,772	1,800	\$181,836	1,700	\$173,791	1,600	\$165,408
18 & 19	Collection - Disconnect / Reconnect at Meter & Install/Remove Load Control Device - During Regular Hours	5,712	21,091	23,545	10,640	\$691,631	22,775	\$1,480,375	23,179	\$1,506,635	23,590	\$1,533,350	24,062	\$1,564,030	24,542	\$1,595,230
20 & 21	Collection - Disconnect / Reconnect at Meter & Install/Remove Load Control Device - After Regular Hours	110	1,038	2,051	269	\$49,728	460	\$85,100	485	\$89,725	500	\$92,500	500	\$92,500	500	\$92,500

Witness: Imran Merali/John Boldt

Rate Code	Description	Historical Years			Bridge Year		Test Years									
		2014	2015	2016	2017		2018*		2019		2020		2021		2022	
		Volume / Revenue	Volume / Revenue	Volume / Revenue	Actual Volume	Actual Revenue	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast
22	Collection - Disconnect/Reconnect at Pole - During Regular Hours	260	1,138	1,239	405	\$74,981	1,700	\$529,992	1,800	\$568,818	1,850	\$592,500	1,900	\$616,949	1,900	\$625,081
23	Collection - Disconnect/Reconnect at Pole - After Regular Hours	N/A	N/A	N/A	115	\$47,808	168	\$138,608	168	\$140,608	168	\$142,617	168	\$144,708	168	\$146,724
24	Meter Dispute Charge - Measurement Canada	112	9	37	26	\$776	50	\$14,123	50	\$14,331	50	\$14,538	50	\$14,755	50	\$14,964
31a	Vacant Premise - Move in with Reconnect of Electrical Service at Meter	N/A	4,066	2,590	3,133	\$0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31b	Vacant Premise - Move in with Reconnect of Electrical Service at Pole	N/A	2,387	0	0	\$0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Witness: Imran Merali/John Boldt

		Historical Years			Bridge Year		Test Years									
		2014	2015	2016	2017		2018*		2019		2020		2021		2022	
Rate Code	Description	Volume / Revenue	Volume / Revenue	Volume / Revenue	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast	Volume Forecast	Revenue Forecast
32	Reconnect completed after regular hours (customer/ contract driven) - at Meter	N/A	N/A	0	0	\$0	90	\$21,601	90	\$21,963	90	\$22,327	90	\$22,703	90	\$23,069
33	Reconnect completed after regular hours (customer/contract driven) - at Pole	N/A	N/A	0	0	\$0	60	\$27,973	60	\$28,360	60	\$28,751	60	\$29,156	60	\$29,548
46a	Retailer Services – Establishing Service Agreements (rates as per the Handbook)	\$521,796	\$469,861	\$413,105		\$375,612		\$340,638		\$304,638		\$268,638		\$232,638		\$196,638
46b	Retailer Services – Other (includes Bill Ready for Retailers and Service Transaction Requests) as per the Handbook	\$260,898	\$234,930	\$206,553		\$185,003		\$170,319		\$152,319		\$134,319		\$116,319		\$98,319
52	Late Payment Charge	\$782,693	\$15,492,798	\$17,003,866		\$12,108,516		\$10,860,340		\$11,023,245		\$11,188,594		\$11,356,423		\$11,526,769
	Total					\$17,690,909		\$17,465,098*		\$17,527,744		\$17,598,914		\$17,684,902		\$17,756,064

- 1 *2018 Retail Service Charges are based on forecast volumes and charges. 2018 External Revenue will be updated when the Draft Rate Order is filed to reflect the forecast External
- 2 Revenue based on applying the 2017 approved Specific Service Charges until the effective date that new charges are approved.

Witness: Imran Merali/John Boldt

UNDERTAKING – J 7.2

Reference

I-24-Anwaatin-008-03

Undertaking

To update the response to include the transformer at the distribution station.

Response

Please see Attachment 1 for an updated Attachment 3 to Exhibit I-24-Anwaatin-8 to include the distribution station transformer average age.

Community	Supply Station	Average Station Transformer Age	Feeder	Average Pole Age	Pole Count	GOOD	FAIR	POOR	Project	I/S Date
Alderville First Nation	Bowmantown DS	38	F2	41	665	563	22	80		
Alderville First Nation	Roseneath DS	26	F1	39	482	422	33	27		
Alderville First Nation	Roseneath DS	26	F3	42	1025	929	69	27		
Big Grassy First Nation	Sleeman DS	44	F4	42	2389	2089	270	30		
Chippewas of Nawash Unceded First Nation	Colpoys Bay DS	43	F3	45	2836	2053	738	45		
Constance Lake First Nation	Calstock DS	40	F2	35	335	64	269	2		
Couchiching First Nation	Burleigh DS	46	F1	30	726	592	113	21		
Wahta Mohawks First Nation	Bala River DS	4	F1	41	1902	263	832	807	WPF	2018/2019
Wahta Mohawks First Nation	Footes Bay DS	45	F1	39	1664	1524	122	18		
Wahta Mohawks First Nation	Footes Bay DS	45	F2	44	1281	1226	38	17		
Pic River First Nation (Rijietjeong Nishnaabeg First Nation)	Pic DS	30	F2	32	1512	1335	73	104		
Lac Seul First Nation	Sam Lake DS	34	F1	26	711	568	128	15		
Magnetawan First Nation	Pointe Au Baril DS	53	F1	44	2361	1831	357	173		
Rainy River First Nation	Barwick DS	3	F1	35	1564	1367	174	23		
Moose Deer Point First Nation	Footes Bay DS	45	F2	44	1281	1226	38	17		
Anishinaabeg of Naongashiing	Sleeman DS	44	F4	42	2389	2089	270	30		
Eagle Lake	Eton DS	26	F3	27	1869	1709	125	35		
Asubspeescheseewagong Netum Anishinabek (Grassy Narrows)	Margach DS	19	F2	27	2524	2130	319	75		
Lac La Croix	Crilly DS	40	F1	30	2103	2003	69	31		
Nipissing First Nation	Sturgeon Falls DS	39	F1	35	833	720	82	31		
Nipissing First Nation	Sturgeon Falls DS	39	F2	35	800	693	51	56		
Animakee Wa Zhing #37	Sioux Narrows DS	39	F2	37	833	766	54	13		
Ojibways of Onigaming First Nation	Nestor Falls DS	4	F2	36	923	722	167	34		
Mishkeegogamang	Crow River DS	3	F1	21	964	927	35	2		
Mishkeegogamang	Crow River DS	3	F2	35	454	411	37	6		
Wasauksing First Nation	McGowan Lake DS	33	F1	44	2314	1913	274	127		
Pays Plat	Schreiber Winnipeg DS	47	F1	31	1367	1273	68	26		
Naicatchewenin	Devlin DS	66	F1	41	1316	1174	109	33		
Nigigoonsiminikaaning First Nation	Burleigh DS	46	F2	35	1210	997	157	56		
Biinjitiwaabik Zaaging Anishinaabek (BZA) aka Rocky Bay First Nation	Beardmore DS #2	26	F4	30	860	734	96	30		
Mississaugas of Scugog Island First Nation	Scugog Island DS	39	F2	36	348	318	9	21		
Mississaugas of Scugog Island First Nation	Scugog Island DS	39	F3	40	399	390	9	0		
Seine River First Nation	Crilly DS	40	F1	30	2103	2003	69	31		
Iskatewizaagegan #39 Independent First Nation	Clearwater Bay DS	46	F1	32	1265	1038	146	81		
Shoal Lake No. 40	Clearwater Bay DS	46	F1	32	1265	1038	146	81		
Slate Falls First Nation	Slate Falls DS	25	F1	24	198	195	3	0		
Sagamok Anishnawbek	Massey DS	46	F3	40	2668	2050	590	28		
Mohawks of the Bay of Quinte	Deseronto DS	61	F1	32	187	113	69	5		
Mohawks of the Bay of Quinte	Shannonville DS	56	F2	35	821	748	72	1		
Mohawks of the Bay of Quinte	Marysville DS	39	F1	32	496	414	67	15		
Mohawks of the Bay of Quinte	Marysville DS	39	F2	33	2055	1394	325	336		
Mohawks of the Bay of Quinte	Marysville DS	39	F3	27	1009	851	128	30		
Mohawks of the Bay of Quinte	Beechwood DS	41	F1	32	404	327	46	31		
Wabaseemoong Independent Nations	Whitedog DS	68	F1	24	369	303	47	19		

Community	Supply Station	Average Station Transformer Age	Feeder	Average Pole Age	Pole Count	GOOD	FAIR	POOR	Project	I/S Date
Wabigoon Lake Ojibway Nation	Dryden Rural DS	20	F2	38	2268	1478	665	125		
Obashkaandagaang	Keewatin DS	5	F2	29	1326	1137	144	45		
Naotkamegwanning	Sioux Narrows DS	39	F1	35	862	770	87	5		
Naotkamegwanning	Sioux Narrows DS	39	F2	37	833	766	54	13		
Aroland	Nakina DS	40	F2	30	324	305	16	3		
Brunswick House, Chapleau Cree FN, Chapleau Ojibway FN	Chapleau DS	40	F4	43	1202	1027	122	53		
Chippewas of The Thames First Nation	Longwood TS	25	M26	40	946	904	38	4		
Chippewas of The Thames First Nation	Appin DS	1	F1	47	1796	1752	39	5		
Beausoleil First Nation	Thunder Beach DS	49	F2	39	845	594	235	16	WPF	2018/2019
Beausoleil First Nation	Thunder Beach DS	49	F3	38	418	95	305	18	WPF	2018/2019
Beausoleil First Nation	Awenda DS	25	F1	30	1306	1079	195	32	WPF	2018/2019
Zhiibaahaasing First Nation	Wolsey Lake DS	47	F1	36	2360	2180	98	82		
Curve Lake First Nation	Buckhorn DS	41	F3	37	1577	1483	73	21	WPF	2018/2019
Ochiichagwe'babigo'ining First Nation	Kenora DS	54	F1	31	1811	1473	256	82		
Dokis	Noelville DS	52	F1	44	1333	1093	218	22	WPF	2018/2019
Chippewas of Georgina Island First Nation	Virginia Beach DS	45	F2	47	545	517	16	12		
Chippewas of Georgina Island First Nation	Virginia Beach DS	45	F3	35	727	685	31	11		
Algonquins of Pikwakanagan	Golden Lake DS	24	F2	35	2193	496	1622	75	WPF	2018/2019
Red Rock (aka Lake Helen First Nation)	Red Rock DS	50	F2	32	1328	1126	183	19		
Henvey Inlet	Alban DS	12	F3	41	1409	1381	25	3	WPF	2018/2019
Hiawatha First Nation	Bensfort Bridge DS	50	F3	40	1179	854	299	26		
Temagami First Nation	Herridge Lake DS	50	F1	42	543	425	55	63		
Chippewas of Kettle and Stony Point First Nation	Forest Jura DS	35	F1	34	1540	1193	290	57		
Chippewas of Kettle and Stony Point First Nation	Forest Jura DS	35	F2	38	1166	777	36	353		
Long Lake No. 58 First Nation	Longlac West DS	4	F1	34	369	331	28	10		
Ginoogaming First Nation	Longlac East DS	60	F2	37	258	227	17	14		
Matachewan	Matachewan DS	5	F2	18	230	182	3	45		
Mattagami	Shiningtree DS	2	F1	30	2229	1030	1194	5		
Mississauga	North Shore DS	12	F1	36	1423	1275	105	43		
Mississauga	Blind River DS	64	F1	39	82	77	4	1		
Mississauga	Striker DS	35	F1	36	770	708	45	17		
Mississauga	Striker DS	35	F2	35	1949	1839	81	29		
Pic Mobert	White River DS	41	F3	25	587	455	11	121		
Moose Cree First Nation	Moosonee DS	38	F1	30	665	265	351	49		
Moose Cree First Nation	Moosonee DS	38	F3	33	515	388	67	60		
Delaware Nation	Thamesville North DS	41	F2	47	1541	1489	46	6		
Munsee-Delaware Nation	Appin DS	1	F1	47	1796	1752	39	5		
Munsee-Delaware Nation	Longwood TS	25	M26	40	946	904	38	4		
Mississaugas of The New Credit First Nation	Lythmore DS	8	F2	33	1095	60	1017	18		
Mississaugas of The New Credit First Nation	Lythmore DS	8	F3	35	1119	597	496	26		
Mississaugas of The New Credit First Nation	Jarvis TS	44	M3	31	3399	3276	106	17		
Taykwa Tagmou Nation	Cochrane West DS	47	F1	47	3602	1185	2335	82		
Northwest Angle No. 33 / Whitefish Bay 33A	Sioux Narrows DS	39	F2	37	833	766	54	13		
Oneida Nation of the Thames	Southwold DS	19	F1	37	921	901	12	8		
Oneida Nation of the Thames	Shedden DS	63	F1	45	2538	2469	56	13		
Stanjikoming/Mitaanjigamingi First Nation	Burleigh DS	46	F1	30	726	592	113	21		

Community	Supply Station	Average Station Transformer Age	Feeder	Average Pole Age	Pole Count	GOOD	FAIR	POOR	Project	I/S Date
Chippewas of Rama First Nation	Rama DS	24	F1	42	650	631	11	8		
Chippewas of Rama First Nation	Orillia TS	24	M7	26	859	578	240	41		
Anishinabe of Wauzhushk Onigum (Rat Portage)	Margach DS	19	F1	35	916	809	89	18		
Saugeen First Nation	Elsinore DS	41	F1	44	1031	639	328	64	WPF	2018/2019
Saugeen First Nation	Elsinore DS	41	F2	43	748	674	25	49	WPF	2018/2019
Saugeen First Nation	Sauble Beach DS	53	F1	44	496	453	40	3	WPF	2018/2019
Ojibway Nation of the Saugeen	Valora DS	43	F1	37	1476	1376	95	5		
Serpent River	Spanish DS	26	F2	38	1195	1028	147	20		
Shawanaga First Nation	Carling DS	53	F3	34	770	686	75	9		
Sheguandah	Little Current DS	42	F2	39	2314	2087	178	49		
Sheshegwaning	Wolsey Lake DS	47	F1	36	2360	2180	98	82		
Sheshegwaning	Manitouwaning DS	27	F1	35	1738	1561	164	13	WPF	2018/2019
Sheshegwaning	West Bay DS	60	F2	35	1023	612	279	132		
Six Nations of the Grand River	Lythmore DS	8	F2	33	1095	60	1017	18		
Six Nations of the Grand River	Lythmore DS	8	F3	35	1119	597	496	26		
Six Nations of the Grand River	Jarvis TS	44	M3	31	3399	3276	106	17		
Six Nations of the Grand River	Caledonia TS	29	M3	34	456	36	411	9		
Six Nations of the Grand River	Newport DS	64	F1	35	1535	677	804	54		
Aundeck-Omni-Kaning	Little Current DS	42	F2	39	2314	2087	178	49	WPF	2018/2019
Thessalon	Sowerby DS	47	F2	46	1113	911	170	32		
Wabauskang First Nation	Perrault Falls DS	2	F1	34	883	685	172	26		
Wahgoshig	Ramore TS	14	M3	37	1342	1249	62	31		
Wahnapiatae	Post Creek DS	3	F1	19	113	112	1	0		
Walpole Island	Wallaceburg TS	4	M5	38	2409	2345	61	3		
M'Chigeeng First Nation	West Bay DS	60	F1	34	695	477	210	8		
M'Chigeeng First Nation	West Bay DS	60	F2	35	1023	612	279	132		
Whitefish Lake (Atikameksheng Anishnawbek)	Whitefish DS	47	F2	48	929	841	77	11		
Whitefish River	Birch Island DS	37	F1	38	1008	732	205	71	WPF	2018/2019
Whitefish River	Birch Island DS	37	F2	33	834	703	103	28	WPF	2018/2019
Wikwemikong	Manitouwaning DS	27	F1	35	1738	1561	164	13		
Wikwemikong	Wolsey Lake DS	47	F2	34	697	611	60	26		
Caldwell First Nation	Kingsville TS	48	M1	44	2224	2126	93	5		
Animbigoo Zaagilgan Anishinaabek (AZA)	Jellicoe DS #3	68	F1	26	440	428	11	1		
MoCreebec Eeyoud aka Moose Cree FN	Moosonee DS	38	F1	30	665	265	351	49		

WPF = Worst Performing Feeder Investment

Refer to ISD: SR-06 for a list of Station Refurbishment Investments

UNDERTAKING – J 7.6

Reference

Exhibit A-3-1, Attachment 1 and Exhibit Q-1-1, Attachment 1

Undertaking

With reference to B1-1-1, DSP Section 2.3, page 38, to explain between the orange and the red, whether there is a cohort as high as 40,000.

Response

The pole demographic (i.e. 240,000 poles beyond expected service life (“ESL”)) data set for the 2017 to 2022 Business Plan was based on a snapshot near year-end 2015 to align with demographics data presented within the IPSOS Customer Engagement material. The pole demographic (i.e. 280,000 poles beyond ESL) data set for the 2018 to 2023 Business Plan was based on a snapshot near year-end 2017, which was the most recent data available at the time.

Adding two years of poles moving beyond ESL (in 2016 and 2017) and deducting the number of poles beyond ESL that were replaced in those years result in the 40,000 pole difference between the two documents.

UNDERTAKING – J 7.7

Reference

Exhibit A-3-1, Attachment 1 and Exhibit Q-1-1, Attachment 1

Undertaking

To explain the difference in the number of poles calculated to be at end of life in the two documents.

Response

The referenced two documents (Exhibit A-3-1, Attachment 1 and Exhibit Q-1-1, Attachment 1) do not provide data on the number of poles calculated to be at end of life.

The 400,000 poles referenced in the two Business Plans represent the approximate number of wood poles anticipated to be beyond their expected service life (“ESL”) after five years, assuming no end of life wood pole replacements were made.

The approximation is based on the age demographics at a particular snapshot in time¹ by assessing the number of wood poles beyond their expected service life at that time, adding the number of poles anticipated to move beyond their expected service over a five year period, and deducting the estimated number of poles that would be removed by demand- or customer-driven programs during the same period. The resulting calculation yields a result of approximately 400,000 poles beyond ESL in both the 2017 and 2018 Business Plan documents.

As poles are only included in the Pole Replacement Program when they are assessed to be in poor condition, not when they reach a specified age; and as the specific age distribution of the poles to be replaced under demand- or customer-driven programs is unknown, the 400,000 pole estimate was only intended to provide a sense of an aging pole fleet, not to suggest a required number of replacements.

¹ As noted in Undertaking J7.6, the 2017 to 2022 Business Plan was based on a snapshot near year-end 2015 and the 2018 to 2023 Business Plan was based on a snapshot near year-end 2017.

UNDERTAKING – J 8.2

Reference

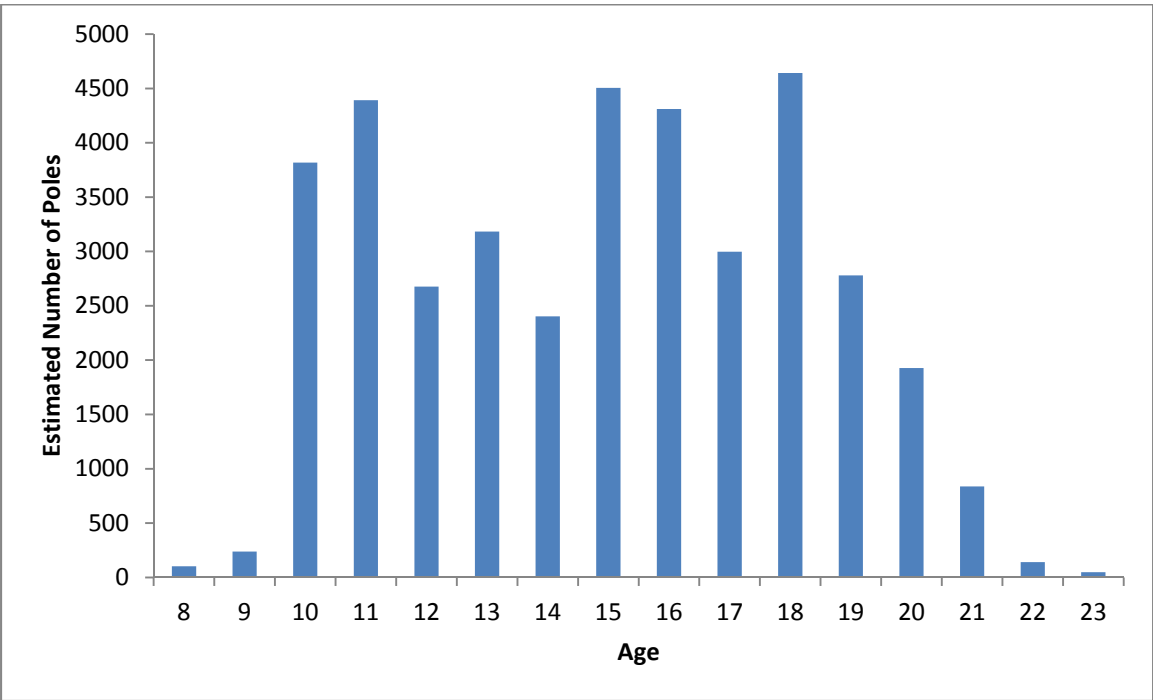
N/A

Undertaking

To provide the age demographic of the red pine poles that aren't meeting the CSA standard.

Response

Please see the following chart for the age demographic of the remaining subset of red pine poles on the distribution system that do not meet the CSA Standard for penetration and retention of treatment and that will require replacement.



UNDERTAKING – J 8.3

Reference

JT3.1.17 / JT3.9

Undertaking

To provide a ranking of the demand projects as one and then a ranking of the first non-demand project as two.

Response

The following is a list of demand and non-demand investments, grouped by priority tier and subsequently ranked by total value/risk mitigation in line with discussions on pages 165 to 167 in Transcript Volume 8. The scoring/rank is representative of the value of the investment at the time of the application evidence filing, March 31, 2017.

Ref #	Investment Name	Priority	Rank	Risk Mitigation / Financial Benefits
SA-04	New Load Connections, Service Upgrades, Cancellations & Metering	Demand	1	7,403,015
SA-05	Generation Connections	Demand	1	7,144,852
SR-07	Distribution Lines Trouble Call & Storm Damage Response Program	Demand	1	6,326,725
GP-23	Integrated Voice Communications and Telephony System Refresh	Demand	1	2,620,684
SS-04	Demand Investments	Demand	1	1,495,775
SA-03	AMI Network Expansion	Demand	1	1,040,432
SA-02	Meter Infrastructure Sustainment	Demand	1	780,262
GP-30	Customer Service Regulatory Changes and Pricing Options	Demand	1	681,606
SR-01	Distribution Station Demand Program	Demand	1	324,440
SA-01	Joint Use and Line Relocations Program	Demand	1	209,376
SS-01	Remote Disconnection Reconnection Program	Demand	1	58,235
GP-21	Ontario Grid Control Centre Data Centre Remediation	Demand	1	-
GP-02	Real Estate Facilities Capital	High	2	13,614,436
SS-05	Distribution System Modifications	High	3	5,574,874
GP-05	Hardware/Software Refresh and Maintenance	High	4	4,106,236
GP-18	Integrated System Operating Centre - New Facility Development	High	5	3,965,550
SS-02	System Upgrades Driven by Load Growth	High	6	3,789,370
GP-03	MFA Servers and Storage	High	7	2,782,761
SR-05	Distribution Station Reclosers Upgrade	High	8	2,718,114
GP-04	MFA PC and Printer Hardware	High	9	2,372,066
GP-06	MFA Telecom Infrastructure	High	10	1,779,050

Witness: JESUS Bruno

Filed: 2018-06-28

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Exhibit J 8.3

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Ref #	Investment Name	Priority	Rank	Risk Mitigation / Financial Benefits
SS-03	Reliability Improvements	High	11	917,867
SS-07	Advanced Distribution System	High	12	880,180
GP-20	Network Outage Management System (NOMS) Refresh	High	13	827,963
GP-19	Operating Common Information Technology Infrastructure	High	14	814,026
SR-08	Distribution Lines PCB Equipment Replacement Program	High	15	312,205
GP-28	Call Centre Technology	High	16	297,782
GP-16	Customer Self Service Technology	High	17	270,937
GP-25	Leamington TS Capital Contribution	High	18	254,701
GP-27	Enfield TS - capital contribution	High	19	222,006
GP-32	Customer Data and Analytics	High	20	215,319
GP-10	Work Management & Mobility	High	21	6,524
GP-11	Enterprise Graphical Information System	High	22	6,524
SS-06	Worst Performing Feeders Program	High	23	-
GP-01	Transport and Work Equipment	Medium	24	6,517,522
SR-09	Pole Replacements Program	Medium	25	3,076,901
SR-13	Life Cycle Optimization and Operational Efficiency Projects	Medium	26	2,047,887
SR-06	Distribution Station Refurbishments	Medium	27	1,698,097
SR-10	Distribution Lines Component Replacement	Medium	28	1,433,155
SR-12	Distribution Lines Sustainment Initiatives	Medium	29	1,369,800
SR-11	Component Replacement Submarine Cable	Medium	30	1,177,446
SR-02	Mobile Unit Substations Program	Medium	31	946,252
SR-04	Distribution Station Component Planned Replacement Program	Medium	32	664,438
SR-03	Station Spare Transformer Program	Medium	33	439,028
GP-29	Customer Service Billing Redesign	Medium	34	353,224
GP-31	Collection Enhancements	Medium	35	270,927
GP-34	Meter Reading Investments	Medium	36	179,922
GP-26	Hanmer TS Capital Contribution	Medium	37	120,101
GP-15	SAP Treasury	Medium	38	116,908
GP-13	HR and Pay Related Technology Investments	Medium	39	111,194
GP-14	Warehouse Scanning Device Replacement	Medium	40	110,143
GP-24	Station Security Upgrades	Medium	41	109,869
GP-35	Asset Analytics Risk Factor	Medium	42	84,879
SR-14	AMI Hardware Refresh	Medium	43	83,981
GP-12	Business Process Consolidation	Medium	44	82,739
GP-33	Customer Service Complaint Management Tool	Medium	45	41,006
GP-22	Ontario Grid Control Centre Office Remediation	Medium	46	-
GP-17	S4 HANA for Finance and Enterprise Asset Management	Medium	47	-
GP-09	ECM - Phase C	Low	48	51,257

Witness: JESUS Bruno

Ref #	Investment Name	Priority	Rank	Risk Mitigation / Financial Benefits
GP-07	Corporate Performance Reporting	Low	49	41,836
GP-08	PCMIS Modernization and Optimization	Low	50	41,315

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UNDERTAKING – J 8.5

Reference

EB-2017-0049 Exhibit I-24-AMPCO-24;
EB-2013-0416 Exhibit TCJ1.05

Undertaking

To report on the difference of ability to report at the level of granularity.

Response

The pie chart in proceeding EB-2013-0146 TCJ 1.05 illustrating the further breakdown of the contribution to SAIDI by equipment subcomponents was produced by a manual review and interpretation of approximately 7,000 to 8,000 free text fields per year that were captured by the control room from conversations with the field crews during restoration effort. This method is not good practice when reporting on detailed defect equipment reliability statistics and is avoided to minimize errors in interpretation, typographical errors, missing input or lack of clarity in the free text. However, the data captured in these free text fields can be used in generality when providing the most significant asset failures contributors to the “Number of Line Equipment Caused Interruptions” category as outlined in response to part (c) in Exhibit I-17-Staff-66 as it provides a simplified ranking and does not depict detailed percent contribution values.