

Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:A-2-1(1-SIA#1)ORG ORIGINAL Page 1 of 2

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question #1
2	
3	<u>Reference:</u> Exhibit A, Tab 2, Schedule 1, page 15
4	
5	Question #1:
6	
7	In describing its approach to the productivity factor, HOL states that:
8	"To derive the productivity factor Hydro Ottawa has relied upon the empirical
9	evidence submitted by expert witnesses in the OEB's Report of the
10	BoardHydro Ottawa contends that this is the only empirical evidence of
11	Ontario electricity distributors' productivity trends over the last 10 years that is
12	available to Hydro Ottawa. Hydro Ottawa has chosen to use the average
13	productivity trend number from all of the studies. In this way, Hydro Ottawa has
14	not endorsed any of the recommendations and has given each
15	recommendation equal weight."
16	
17	a. Did HOL consider commissioning or producing its own "empirical evidence" for
18	productivity?
19	
20	b. Given that the OEB approved a productivity factor of 0 for all RRFE filers after having
21	reviewed the exact four expert witness recommendations HOL is relying upon in this
22	application, why does HOL believe that in the absence of new evidence it is
23	appropriate to rely on a productivity factor other than 0?
24 25	
26 27	Response:
28	
20 29	a. Hydro Ottawa commission evidence authored by econometrics expert Power
30	System Engineering (PSE). PSE's study can be found in Exhibit D-1(D) as
31	updated and filed in response to interrogatory OEB Staff #7.
32	
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b. See Hydro Ottawa response to interrogatory IR OEB Staff # 7.



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1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question #2
2	
3	<u>Reference:</u> Exhibit A, Tab 2, Schedule 1, page 14
4	
5	Question #2:
6	
7	HOL states that "For the inflation factor, Hydro Ottawa proposes to use the GDP-IPI
8	forecast from the Conference Board of Canada ("CBofC") for the period of 2017 and
9	2018." However, in the RRFE Report the OEB determined that it would adopt a 2 Factor
10	IPI methodology:
11	"The Board will adopt the 2 factor IPI methodology. The Board acknowledges
12	stakeholders' concerns with excluding a capital sub index however the Board
13	finds that the 2 factor IPI is the most appropriate approach at this time because of
14	a lack of confidence in the proposed approaches for addressing the concerns
15	which arise from introducing the capital sub index. The Board's concerns with
16	other alternatives proposed by stakeholders outlined in its Draft Report are listed
17	in Appendix A." <sup>1</sup>
18	
19	In rejecting the GDP-IPO measure, the OEB also explicitly noted its concern that using
20	the GDP IPI is "Inconsistent with policy direction to better align inflation with more
21	Ontario industry specific inflation". <sup>2</sup>
22	
23	Given the OEB accepted the 2 factor IPI methodology, and expressly rejected the GDP-
24	IPI, why does HOL believe that it is nonetheless appropriate to use the GDP-IPI as part
25	of this application?
26	
27	
28	
29	



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#### 1 Response:

2

Hydro Ottawa has opted to use the GDP-IPI as its inflation factor rather than the 2 factor IPI methodology because pursuant to the OEB's directions set out in Table 1 on page 13 of the OEB's Report of the Board entitled *Renewed Regulatory Framework for Electricity Distributors*, there is no mandated requirement for Custom IR filers to use the composite index to derive the inflation factor. This is not the case for 4<sup>th</sup> Generation IRM and Annual IRM rate application filers.



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1	Response to Sustainable	e Infrastructure Alliance Ontario Interrogatory Question #3
2		
3	<u>Reference:</u> Exhibit A, Tal	o 2, Schedule 1, page 14
4		
5	Question #3:	
6		
7	·	a CIR application largely on the basis of capital investment
8		awa propose a custom IR framework on the grounds that it
9		ented infrastructure investments in the near to medium term to
10	avoid risks to system and s	service reliability."
11		
12	,	consider its OM&A requirements as a reason for the need to
13	file a CIR application	in?
14		
15	, .	what unique challenges HOL faces in terms of OM&A spending
16		justify a departure from the standard I-X inflation productivity
17		to all other utilities filing applications under the 4th Generation
18		That is, why would a custom approach to capital investment
19	but a standard appl	roach to OM&A not be appropriate for HOL's circumstances?
20		
21		
22		
23	<u>Response:</u>	
24		
25	· ·	considers its OM&A requirements are part of the reasons why
26		ustom IR application, however, Hydro Ottawa's capital
27	•	he pacing and prioritizing of capital investments to ensure
28	system reliability ar	nd avoid rate shock were and remain the principle motivators.
29		
30	<i>,</i> <b>,</b> .	oposing to apply an I-X formula to its OM&A expenditures.
31	•	not opt to file for recovery of its capital and operational funding
32	requirements under	r the 4 <sup>th</sup> Generation IRM methodology because Hydro



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1	Ottawa's capital requirements would not be met. Further, as noted in Exhibit A-
2	2-1 Hydro Ottawa's capital requirements exceed its depreciation expense by a
3	significant margin rendering the company's ability to manage under a pure I-X
4	methodology not feasible. SIA asks "why would a custom approach to capital
5	investment but a standard approach to OM&A not be appropriate for HOL's
6	circumstances". In response this is what Hydro Ottawa has proposed in its 2016-
7	2020 rate application, to treat capital differently from OM&A.
8	
9	
10	
11	
12	
13	



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1	<u>Respo</u>	onse to Sustainable Infrastructure Alliance Ontario Interrogatory Question #4
2		
3	Refere	ence: Exhibit A, Tab 2, Schedule 1, page 13
4		
5	<u>Quest</u>	ion #4:
6		
7		tates that its "proposal [is] to fix final rates for three years (2016-2018) then adjust
8		tes only to update for inflation and cost of capital variables. This is intended to
9		n rate protection for Hydro Ottawa's customers and to provide operating and
10	busine	ess certainty to Hydro Ottawa and its shareholder."
11		
12		HOL consider asking for final rates for all 5 years, or adjustment for certain
13		nts for all 4 years following the rebasing year? If so, please comment as to why it
14	decide	ed that three years of final rates was the appropriate timeframe.
15		
16	b. Wh	at concerns would HOL have if it were required to finalize its rates for each year
17	followi	ng 2016? What factors that would normally be subject to adjustment does HOL
18	believ	e would lead to unacceptable "operating and business" uncertainty?
19		
20		
21		
22	<u>Respo</u>	onse:
23		
24	a.	Hydro Ottawa did not consider asking for final rates for all 5 years. Ultimately
25		Hydro Ottawa decided that revisiting and adjusting certain parameters after three
26		years provided an appropriate balance of risk and reward between Hydro Ottawa
27		and its rate payers. Hydro Ottawa's proposal was designed to give the company
28		some operating stability while at the same time avoiding the expense of annual
29		adjustment proceedings for each year of the five year plan.
30		
31	b.	If rates were fixed for 2017-2020 Hydro Ottawa would be concerned with any
32		changes to the cost of capital parameters that entail higher borrowing costs be



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absorbed by the company. Similarly if the inflation rate dropped Hydro Ottawa
 would be concerned that its inflationary escalator for its OM&A costs is above the
 inflation rate in the market. Hydro Ottawa is not proposing to adjust rates
 annually and as such is prepared to operate within the risk profile presented by
 only making onetime adjustments for inflation, cost of capital parameters, any
 required deferral account dispositions and y factor adjustments.



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1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question #5
2	
3	<u>Reference:</u> Exhibit A, Tab 3, Schedule 1, page 31
4	
5	Question #5:
6	
7	With regard to HOL's customer feedback, HOL notes that "while a majority of customers
8	indicated that electricity costs have a major impact on their finances, a larger majority
9	stated that they were willing to pay a bit more because investing in the system is money
10	well spent." Please reconcile these and other similar customer engagement conclusions
11	with the positions reflected in the sizeable number of letters of comment filed by
12	individual HOL customers in this proceeding. To what factor(s) does HOL attribute the
13	notably different positions and responses between the groups?
14	
15	
16	
17	Response:
18	
19	In INNOVATIVE's experience with Ontario-based rate applications, the Hydro Ottawa
20	customer engagement was unique in that it garnered substantial media coverage shortly
21	after the deployment of online workhook survey. There were negative stories in the

after the deployment of online workbook survey. There were negative stories in the media, which drew additional attention – specifically, negative attention – to the online survey. Analysis of the online workbook survey data showed that responses to the online survey that followed the media coverage were consistently more negative in nature than responses prior to the media coverage.

26

The comments filed with the OEB were likely from customers who were motivated to write to the OEB as a result of the media coverage. Unlike the telephone survey of 1,036 randomly selected customers, the comparatively small number of comments filed with the Board should not be considered a representative sample of Hydro Ottawa's



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- 1 customers' opinion. The telephone survey provides a representative sample of customer
- 2 opinion that is generalizable (and is considered accurate to within  $\pm 3.0$  percentage
- 3 points, 19 times out of 20), whereas the comments filed with the OEB are likely reflective
- 4 of individual opinions and not that of the broader Hydro Ottawa customer base.



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1	<u>Respo</u>	onse to Sustainable Inf	rastructure /	Alliance On	tario Interro	gatory Quest	<u>tion #6</u>
2							
3	Refere	ence: Exhibit A, Tab 2,	Schedule 1,	Table 5, Pa	ge 16 of 29		
4							
5	<u>Quest</u>	<u>ion #6:</u>					
6							
7	а.	On what basis did	HOL constru	uct the Ea	rnings Shari	ng Proposal	table,
8		specifically the thresho	lds and respe	ective treatm	nent (e.g. why	/ 0-150 basis	points,
9		rather than 0-50 or 0-10	00? etc)?				
10							
11	b.	What is the correspond	ding incremer	ntal (dollar v	alue) of earr	iings represei	nted by
12		each 50 basis points in	crease above	e approved r	ates?		
13							
14							
15	_						
16	<u>Respo</u>	onse:					
17							
18	а.	Hydro Ottawa's Earnin	• •				
19		threshold were informe	•			•	
20		the proceeding initiate			•	d for no sha	ring 0-
21		200bps as adjusted to (	0-100bps for	the 2014-20	18 period.		
22							
23	b.	The incremental dolla	r value of e	earnings re	presented by	y a 50 basis	s point
24		increases above approv	ved rates are	set out belo	)W.		
25							
26		Tab	ole 1 – Value	of 50bps o	f ROE		
		(\$000s)	2016	2017	2018	2019	2020

(\$000s)	2016	2017	2018	2019	2020
Rate Base	\$923,306	\$970,582	\$1,020,297	\$1,050,724	\$1,094,270
Equity – 40%	\$369,322	\$388,233	\$408,119	\$420,290	\$437,708
50 bps of Equity (pre-tax)*	\$2,512	\$2,641	\$2,776	\$2,859	\$2,978
50 bps of Equity (after-tax)	\$1,847	\$1,941	\$2,041	\$2,101	\$2,189

27 \*tax rate: 26.50%



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1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question #7
2	
3	Reference: Exhibit B, Tab 1, Schedule 2, page 42
4	
5	Question #7:
6	
7	Does HOL have annual targets attached to all its Key Performance Indicators? If so,
8	please provide the targets and results for each of 2011-2014, and the current targets for
9	2015. If the KPIs do not have targets, please explain how HOL determines the degree
10	to which the results are positive or negative.
11	
12	
13	
14	Response:

- 15 HOL's Key Performance Indicators (KPIs) are defined in Exhibit B-1-2, Page 43 -
- 16 Performance Measurement for Continuous Improvement of the Distribution System Plan.
- 17 Results and targets of HOL's KPIs are listed below:

18

## Table SIA #17 – 1: Customer Satisfaction

Annual Overall Customer	2011	2012	2013	2014	2015
Satisfaction Survey					
Pre Survey Satisfaction	87%	88%	90%	83%	87%
Post Survey Satisfaction	88%	90%	90%	79%	TBD
Ontario Average	84%	86%	90%	83%	86%
Target	>86% and 2%	>86% and 2%	>88% and 2%	>91%	>91%
	better than	better than	better than		
	Ontario Avg	Ontario Avg	Ontario Avg		

19

20

21

## Table SIA #17 – 2: Touchlogic Customer Survey Results

Touchlogic Customer Survey Results	2011	2012	2013	2014	2015
Overall Satisfaction	85%	89%	89%	88%	90%
Target	85%	85%	89%	89%	89%

22 A year-to-year increase of customer satisfaction percentages indicates a positive result.



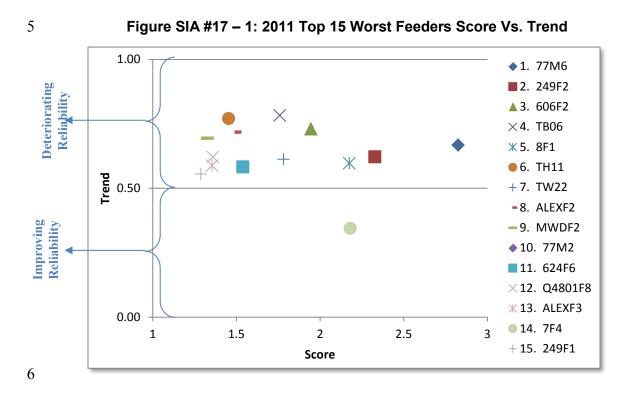
1

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KPI	Target	2011	2012	2013	2014
Annual SAIFI	0.8	1.68	1.81	1.53	1.08
SAIFI Excl LoS	0.8	1.40	1.13	1.36	0.86
3-Yr Average SAIFI	0.8	1.41	1.63	1.67	1.47
Annual SAIDI	1.0	2.60	1.64	1.67	1.66
SAIDI Excl LoS	1.0	2.43	1.31	1.64	1.59
3-Yr Average SAIDI	1.0	1.82	1.86	1.96	1.66
Annual CAIDI	1.25	1.54	0.90	1.09	1.53
CAIDI Excl LoS	1.25	1.74	1.15	1.21	1.85
3-Yr Average CAIDI	1.25	1.29	1.14	1.17	1.13
FEMI <sub>10</sub>	<12	12	13	13	8

#### Table SIA #17 – 3: System Reliability Performance Indicator

- 2 The 2015 targets for the System Reliability Performance Indicators remain the same. A
- 3 year-to-year reduction of these KPIs indicates a positive result.
- 4 Worst Feeder Analysis





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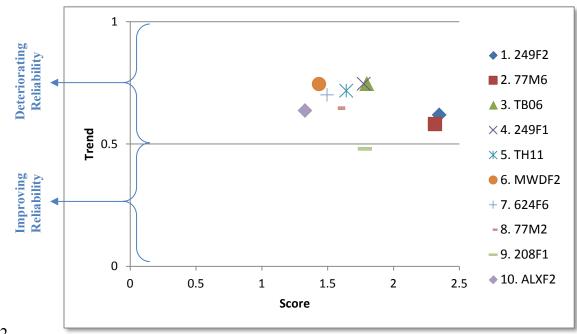
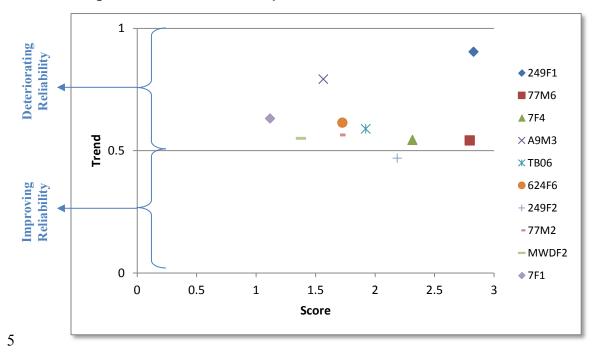


Figure SIA #17 – 2: 2012 Top 10 Worst Feeders Score Vs. 3-Year Trend



4

Figure SIA #17 – 3: 2013 Top 10 Worst Feeders Score Vs. 3-Year Trend





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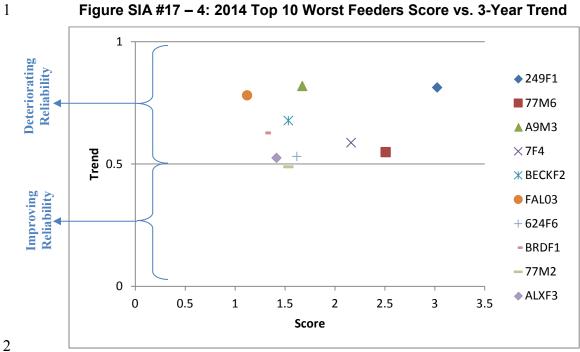


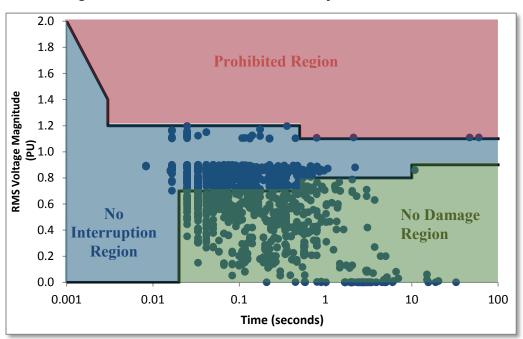
Figure SIA #17 – 4: 2014 Top 10 Worst Feeders Score vs. 3-Year Trend

3 The annual target and 2015 target of the Worst Feeder Analysis is to have all 10 feeder 4 indicators below the 0.5 trend line; indicating that the feeders are showing improvement 5 in reliability over the three year trend. A year-to-year reduction in the number of feeders 6 above the 0.5 trend line indicates a positive result.



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#### 1 System Average RMS Variation Frequency Index (SARFI)



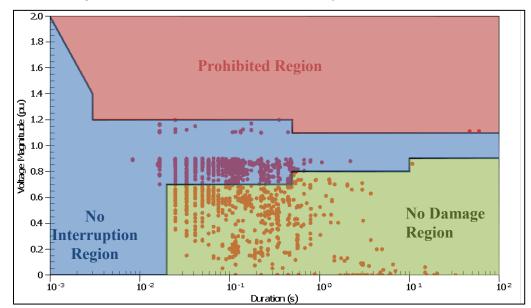


3

4

2







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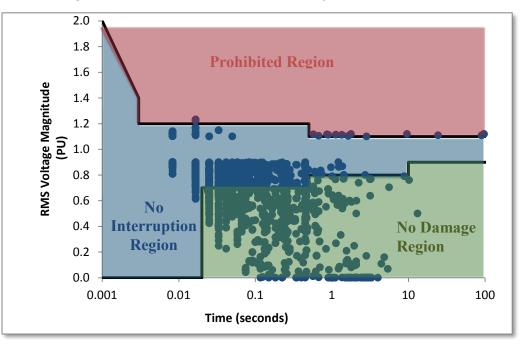
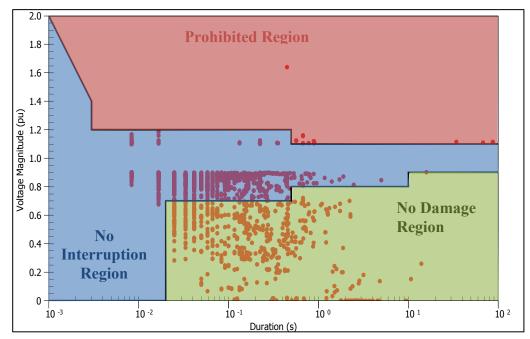


Figure SIA #17 – 7: 2013 Power Quality Events ITIC Curve





4 5 6

The annual target and 2015 target of SARFI is to have zero power quality events occur
 which classify in either the No Damage Region or the Prohibited Region. A year-to-year

2 3



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- 1 reduction in the number of events which classify in either the No Damage Region or the
- 2 Prohibited Region indicates a positive result.
- 3

## Table SIA #17 – 4: Cost Efficiency

KPI	Target	2011	2012	2013	2014
Cost Efficiency	100%	94%	94%	105%	94%

4

5 The annual target and 2015 target is to achieve 100% completion of the annual planned

6 work within the approved budget. It is noted that Cost Efficiency only includes System

7 Service and System Renewal excluding plant failure costs and associated work.

8

## Table SIA #17 – 5: Productive Time

KPI	2011	2012	2013	2014
<b>Productive Time</b>	70%	71%	69%	69%

9

10 The annual target and 2015 target of the productive time indicator is to maximize this

11 index. A year-to-year increase of this KPI indicates a positive result.

12

# Table SIA #17 – 6: Labour Allocation

KPI	2011	2012	2013	2014
Labour Allocation	61%	55%	56%	59%

13

14 The annual target and 2015 target of the labour allocation indicator is to maximize this

15 index. A year-to-year increase of this KPI indicates a positive result.

16

# Table SIA #17 – 7: Defective Equipment Contribution to SAIFI

Asset	2011	2012	2013	2014
U/G Cable - Polymer	10	4	2	2
Insulator	7	0.3	0.1	5
Station Switchgear	5	0	3	0.2
O/H Switchgear	4	3	6	6
U/G Cable Attachment	3	2	5	9

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Station Transformer	1.2	2	0	0.2
U/G Switchgear	1	7	0.1	0.2
U/G Cable - PILC	0.6	0.6	1.5	2
O/H Transformer	0	1	2	1
Pole	0	1	4	0.1
U/G Transformer	0	3	3	0.6
Other	9	6	5	8
Total	41	30	32	35

1

2 The annual target and 2015 target is to reduce the number of interruptions caused by

3 defective equipment from year to year. A year-to-year decrease of this KPI indicates a

- 4 positive result.
- 5

## Table SIA #17 – 8: Health Safety and Environment

		2011	2012	2013	2014
Public Safety	Number of Public Safety Concern (PSCs)	4	2	10	8
Oil	Annual Oil Spilled (L)	1,225	3,249	5,828	1138
Spills	Annual Oil Clean up (\$'000)	\$563	\$465	\$792	\$546

6 The annual target and 2015 target is to reduce the number public safety concerns,
7 annual oil spilled and cost of annual oil clean up from year to year. A year-to-year
8 decrease of these KPIs indicates a positive result.

9

#### Table SIA #17 – 9: System Operation Performance Indicators

KPI	Target	2011	2012	2013
Stations Exceeding Planning Capacity	≤ 5%	24% (22)	20% (18)	15% (14)
Feeders Exceeding Planning Capacity	≤ 10%	3.4% (27)	3.3% (26)	3.2% (22)
Stations Approaching Rated Capacity	zero	2.2% (2)	2.2% (2)	3.3% (3)
Feeders Approaching Rated Capacity	zero	0.5% (4)	0.5% (4)	0.3% (2)
System Losses	≤ 4.00%	3.13%	3.60%	2.63%



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- 1 \*Note that 2014 System Operations Performance Indicators are not yet available
- 2 The 2015 targets for the System Operations Performance Indicators remain the same. A
- 3 year-to-year reduction of these KPIs indicates a positive result.



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1	<u>Response to Sustainable Infrastructure Alliance of Ontario Question #8</u>
2	
3	Reference: Exhibit B, Tab 1 Schedule 2, page 248, Table 3.5.3
4	
5	Question #8:
6	
7	Please explain why the vast majority of System Renewal spending in 2011-2015 is
8	classified as driven by "substandard performance", while a vast majority of spending in
9	this category over 2016-2020 is expected to be driven by "failure risk". What factors led
10	to such a drastic shift in categorization of the majority of investments in this category
11	from 2015 into 2016?
12	
13	
14	
15	Response:
16	This is an error in the original version of Exhibit B-1-2 released April 29th. Please see

17 Exhibit B-1-2 Table 3.5.3 on page 252 of the updated June 29<sup>th</sup> version.



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1	<u>Respo</u>	onse to Sustainable Infrastructure Alliance Ontario Interrogatory Question #9
2		
3	Refere	ence: Exhibit B, Attachment B1(A), page 43
4		
5	<u>Quest</u>	ion #9:
6		
7		otes that its "pole replacement program replaces wood poles, and pole fixtures, on
8		erhead distribution system that are aged or in poor condition. Existing composite,
9	concre	ete and metal poles, in general, are in good condition and will not require
10	replac	ement. Poles and fixtures will be replaced with an equivalent pole on a like-for-like
11	basis.'	,
12	a. Wh	at are the reasons for why composite, concrete, and metal poles are in better
13	condit	ion than wood poles? (i.e. inherent material qualities? more recent installation
14	dates?	'etc.)
15	b. Dic	HOL consider exploring the cost lifecycle effectiveness of a non-like-for-like
16	replac	ement? (replacing wood with concrete, for example) Why or why not?
17		
18		
19		
20	<u>Respo</u>	onse:
21		
22	а.	Alternative material poles including composite, concrete and metal make up
23		approximately 1% of the total pole population. The Pole Replacement Program
24		focuses on the replacement of wood poles due to the age and quantity of these
25		assets. Composite poles have only been installed in recent years.
26		
27	b.	Hydro Ottawa has been increasing the installation of composite poles in wood-
28		pecker prone areas as well as in areas where treated wood-poles cannot be used
29		due to standing water. Please refer to section 6.1.4 Use of Composite Poles in
30		Attachment B-1(B) – Annual Planning Report – 2014 Asset Management Plan.



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1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#10</u>
3	
4	<u>Reference:</u> Exhibit B, Attachment B1(A), page 154
5	
6	Question #10:
7	
8	HOL proposes to install remote disconnect meters for approximately 36,000 customers,
9	noting that "Remote disconnect meters reduce the expense requirements associated
10	with travelling to the premise for disconnect and reconnect requirements."
11	
12	a. Please detail the cost savings per disconnection associated with remote vs. onsite
13	disconnection. What are the projected total cost savings over the 2016-2020 period if all
14	36,000 meters are installed?
15	
16	b. How will the operational process for remote disconnection differ from regular
17	disconnections? What measures will HOL put in place to ensure that the timing of
18	remote reconnections do not result in safety hazards? (e.g. stove left on without
19	customer present, etc).
20	
21	
22	
23	Response:
24	
25 26	a. There are both cost avoidance and efficiency gains when a meter is
26	disconnected or reconnected remotely from our office. Onsite disconnects and
27	reconnects require a field agent to drive to the premise and physically perform
28	the disconnection/reconnection of the service.
29	We estimate that by 2020, we will have cumulative cost avoidance of \$352
30	thousand and efficiency gains of 24 thousand person/hours.



b. These types of meters are equipped with a load break switch that turns the
meters on or off. When the meter is turned off, the flow of electricity is broken at
the meter and does not flow through to the customer's electricity distribution
panel. When the meter is turned on, the customer receives electricity. The switch
is operated remotely at our office through our advanced metering infrastructure
system.

7 The meters that are not equipped with these switches require a field agent to 8 drive to the premise and physically isolate the flow of electricity between our 9 meter and the customer's electric panel.

- 10 The notification process leading to the disconnection of the service will remain 11 the same as we now have in place, such as the mailed Disconnection Notice and 12 the onsite delivery of the 48 hours disconnection notice or phone call.
- When a service gets remotely reconnected, we actually speak to the customer over the telephone and go over a set of questions to ensure that they are physically home when we turn the power back on. This process is a safety measure Hydro Ottawa has put in place to work with our customer when service is being reconnected remotely.



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-1-(A)(2-SIA#11) ORG ORIGINAL Page 1 of 1

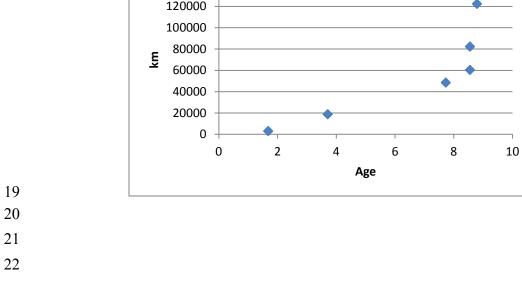
1	<u>Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question</u>
2	<u>#11</u>
3	
4	Reference: Exhibit B, Attachment B1(A), page 352
5	
6	Question #11:
7	
8	HOL notes that its "vision of '2-way, proactive, personalized, and premise-based Outage
9	Communications' is totally consistent with industry thought leaders." Please provide
10	sources for this statement, specifically identifying the referenced "thought leaders" and
11	the description of the communication system that they advocate or support.
12	
13	
14	
15	Response:
16	
10	
17	Hydro Ottawa's vision of a two-way, proactive, personalized, and premise-based Outage
18	Communications solution has been derived from significant experience in building and
19	managing our 2010 North American Chartwell Award winning solution. Although leading

20 edge at that time, the industry along with service providers is now extending solutions to 21 end customers where they can report and receive outage information through the 22 channel and device of their choice – be it text, email or telephone. This approach has 23 been substantiated by studies conducted by organizations such as Chartwell 24 (www.chartwellinc.com) and Kaihen (http://kaihen.ca/). iFactor (www.ifactorinc.com) is 25 one example, among others, of a company that has provided the types of services 26 contemplated above to a number of US utilities. Four Canadian utilities are now using 27 iFactor services including Hydro One, Sask Power, Nova Scotia Power and 28 Newfoundland Power.



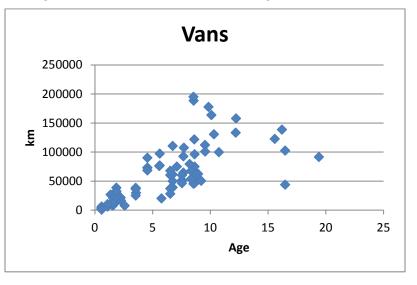
Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-1-(A)(2-SIA#12) ORG ORIGINAL Page 1 of 3

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#12</u>
3	
4	<u>Reference:</u> Exhibit B, Attachment B1(A), page 363-364
5	
6	Question #12:
7	
8	For each vehicle type, please breakdown HOL's current vehicle fleet by asset condition
9	as determined by age and km (e.g. via scatter graphs with age and km on the x and y
10	axis respectively).
11	
12	
13	Response:
14	
15	Please see four scatter graphs below that displays HOL's current vehicle fleet by asset
16	condition as determined by age and km, grouped into four categories of vehicle types.
17	
18	Figure 1.1: Scatter Graph depicting Automobile Condition
	Automobile
	140000
	120000
	100000
	£ 80000





Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-1-(A)(2-SIA#12) ORG ORIGINAL Page 2 of 3



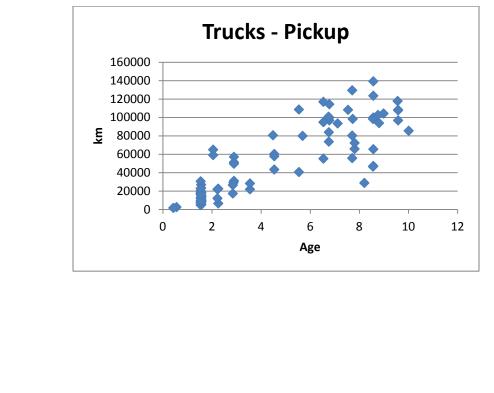
## Figure 1.2: Scatter Graph depicting Vans Condition

2 3

1

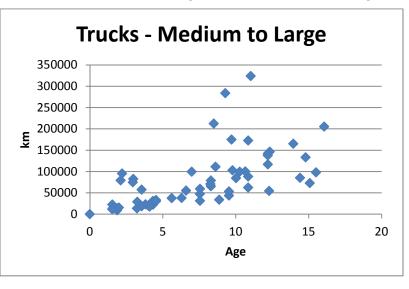
4 5

Figure 1.3: Scatter Graph depicting Trucks - Pickup Condition





Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-1-(A)(2-SIA#12) ORG ORIGINAL Page 3 of 3



# Figure 1.4: Scatter Graph depicting Trucks – Medium to Large Condition

2 3



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-1-(A)(2-SIA#13) ORG ORIGINAL Page 1 of 3

1	<u>Res</u>	ponse to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2		<u>#13</u>
3		
4	<u>Refer</u>	ence: Exhibit B, Attachment B1(A), page 363-364
5		
6	Ques	<u>tion #13:</u>
7		
8	a.	How many vehicles by vehicle type are currently beyond their life cycle (as
9		defined in Table 122)?
10		
11	b.	How many additional vehicles by vehicle type are expected to be beyond their life
12 13		cycle (as defined in Table 122) by the end of 2020?
13 14	0	For each vehicle type, please provide the estimated numbers of vehicles planned
14	0.	to be replaced over 2016-2020
16		
17		
18		
19	<u>Resp</u>	onse:
20		
21	a. Pl	ease see table below that shows the number of vehicles by type that are currently
22	be	eyond their life cycle as defined in Table 122 of Exhibit B-1-A.
23		
24		
25 26		
26 27		
27 28		
28 29		
2) 30		
31		
32		



	or venicles currently beyond Life Oycle
Unit Type	Number of Vehicles currently beyond Life Cycle
Automobile	0
Vans - Compact	11
Vans - Cargo	6
Vans - Step / Cube	7
Trucks - Pickup (Compact)	9
Trucks - Pickup (Conventional)	8
Trucks - Dump	0
Trucks - Stake	1
Trucks - Knuckle Boom	1
Trucks - Buckets	17
Trucks - Line / RBD	1
Forklifts	5
Trailers	13
Grand Total	79

#### Table 1.1 – Number of Vehicles currently beyond Life Cycle

2

1

3 b. Please see table below that shows the number of vehicles by type that are expected

4 to be beyond their life cycle by the end of 2020 as defined in Table 122 of Exhibit B-

5

1-A.

- 6
- 7
- 8

# Table 1.2 – Number of Vehicles expected to be beyond Life Cycle

## by end of 2020

Unit Type	Number of Vehicles expected to be beyond Life Cycle by end of 2020
Automobile	4
Vans - Compact	10
Vans - Cargo	8
Vans - Step / Cube	20
Trucks - Pickup (Compact)	9
Trucks - Pickup (Conventional)	8
Trucks - Dump	2
Trucks - Stake	0
Trucks - Knuckle Boom	0
Trucks - Buckets	8
Trucks - Line / RBD	3
Forklifts	2
Trailers	14
Grand Total	88



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-1-(A)(2-SIA#13) ORG ORIGINAL Page 3 of 3

- 1 2
  - c. Please see table below that shows the estimated numbers of vehicles planned to be
- 3 replaced over 2016-2020.
- 4

5

## Table 1.3 – Number of Vehicles expected to be replaced over 2016-2020

Unit Type	Number of Vehicles to Replace 2016-2020
Automobile	2
Vans - Compact	15
Vans - Cargo	14
Vans - Step / Cube	4
Trucks - Pickup (Compact)	0
Trucks - Pickup (Conventional)	28
Trucks - Dump	0
Trucks - Stake	0
Trucks - Knuckle Boom	1
Trucks - Buckets	22
Trucks - Line / RBD	3
Forklifts	3
Trailers	8
Grand Total	100



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-3-1(2-SIA#14) ORG ORIGINAL Page 1 of 1

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#14</u>
3	
4	Reference: Exhibit B, Tab 3, Schedule 1, page 2
5	
6	Question #14:
7	
8	HOL notes that "The new lead lag study will be submitted in September 2015 to be
9	incorporated into final rates. Until the lead lag study is complete, Hydro Ottawa is using
10	its 2012 Board approved rate of 14.2."Please confirm that the 14.2 value is a temporary
11	placeholder, and that it is HOL's intention to use the new rate resulting from its Lead Lag
12	Study for rates for 2016-2020.
13	
14	
15	
16	Response:
17	
18	Hydro Ottawa Limited ("Hydro Ottawa") confirms that the 14.2 value for the working
19	capital percentage is a temporary placeholder and that Hydro Ottawa intends to use the
20	new working capital percentage resulting from Hydro Ottawa's lead lag study for the
21	calculation of rates for 2016-2020.
22	



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-5-4(2-SIA#15) ORG ORIGINAL Page 1 of 2

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#15</u>
3	
4	Reference: Exhibit B, Tab 5, Schedule 4
5	
6	Question #15:
7	
8	For 2010 to 2014, please provide historical SAIFI and SAIDI broken down by cause code
9	(loss of supply, defective equipment, etc). Please provide this breakdown both including
10	and excluding major event days.
11	
12	
13	
14	Response:
15	
16	Table Headings
17	<b>U</b> – Unknown/Other
18	SO – Scheduled Outage
19	LOS – Loss of Supply
20	TC – Tree Contacts
21	L – Lightning
22	<b>DE</b> – Defective Equipment
23	AW – Adverse Weather
24	AE – Adverse Environment
25	HE – Human Element
26	FI – Foreign Interference
27	
28	



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-5-4(2-SIA#15) ORG ORIGINAL Page 2 of 2

## Table SIA #15 – 1: SAIDI

	U	SO	LOS	TC	L	DE	AW	AE	HE	FI
2010	0.1	0.1	0.3	0.0	0.0	0.4	0.2	0.0	0.0	0.1
2011	0.1	0.2	0.2	0.4	0.1	0.5	1.0	0.1	0.0	0.1
2012	0.0	0.2	0.3	0.1	0.0	0.4	0.3	0.1	0.0	0.2
2013	0.0	0.2	0.0	0.2	0.2	0.5	0.3	0.0	0.0	0.1
2014	0.1	0.2	0.1	0.1	0.2	0.4	0.4	0.0	0.1	0.1

Table SIA #15 – 2: SAIDI –	<b>Excluding Major Event</b>	Days as Defined by IEEE
----------------------------	------------------------------	-------------------------

	U	SO	LOS	тс	L	DE	AW	AE	HE	FI
2010	0.1	0.1	0.2	0.0	0.0	0.4	0.1	0.0	0.0	0.1
2011	0.1	0.2	0.1	0.1	0.1	0.4	0.2	0.1	0.0	0.1
2012	0.0	0.2	0.1	0.1	0.0	0.3	0.2	0.1	0.0	0.2
2013	0.0	0.2	0.0	0.1	0.1	0.4	0.1	0.0	0.0	0.1
2014	0.1	0.2	0.1	0.1	0.0	0.4	0.1	0.0	0.1	0.1

3

1

2

Table SIA #15 – 3: SAIFI

	U	SO	LOS	тс	L	DE	AW	AE	HE	FI
2010	0.2	0.1	0.6	0.0	0.0	0.2	0.1	0.1	0.0	0.1
2011	0.2	0.1	0.3	0.1	0.1	0.4	0.4	0.0	0.0	0.1
2012	0.1	0.1	0.7	0.0	0.1	0.3	0.2	0.1	0.1	0.2
2013	0.1	0.1	0.2	0.1	0.3	0.4	0.1	0.0	0.1	0.1
2014	0.0	0.1	0.2	0.0	0.1	0.3	0.1	0.0	0.1	0.1

4

Table SIA #15 – 4: SAIFI – Excluding Major Event Days as Defined by IEEE

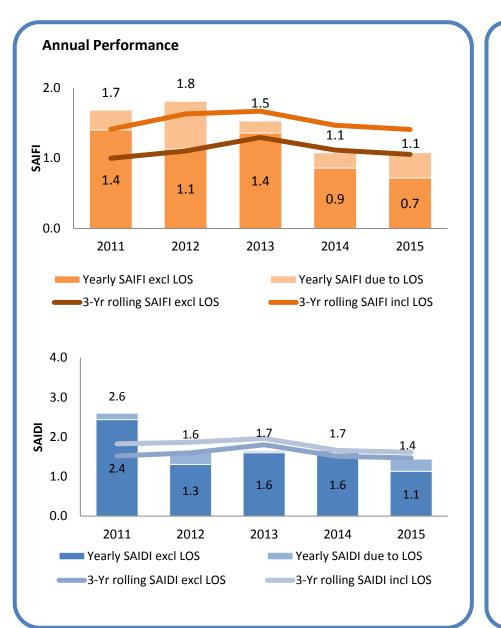
	U	SO	LOS	TC	L	DE	AW	AE	HE	FI
2010	0.2	0.1	0.5	0.0	0.0	0.2	0.1	0.1	0.0	0.1
2011	0.2	0.1	0.2	0.1	0.1	0.4	0.2	0.0	0.0	0.1
2012	0.1	0.1	0.4	0.0	0.1	0.3	0.2	0.1	0.1	0.2
2013	0.1	0.1	0.1	0.1	0.2	0.4	0.1	0.0	0.1	0.1
2014	0.0	0.1	0.2	0.0	0.0	0.3	0.1	0.0	0.1	0.1

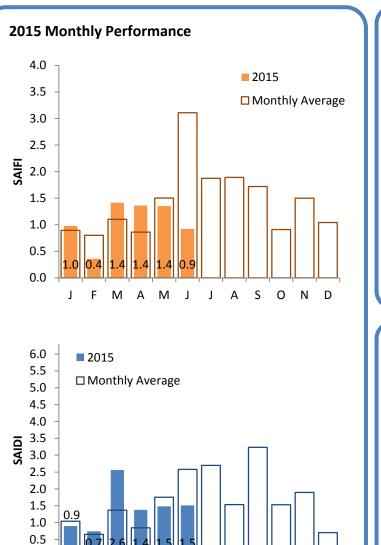


Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-5-4(2-SIA#16) ORG ORIGINAL Page 1 of 1

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#16</u>
3	
4	Reference: Exhibit B, Tab 5, Schedule 4
5	
6	Question #16:
7	
8	Does HOL have a forecast of its projected SAIFI and SAIDI over the 2016-2020
9	period? If so, please provide it. If not, please explain why such a projection has not
10	been considered, particularly in light of the significant system renewal investments
11	planned over the 2016-2020 period.
12	
13	
14	
15	Response:
16	
10	
17	For information regarding the impact of System Renewal investments please see
18	Interrogatory Response to CCC #26.
19	Hydro Ottawa has not done a five year forecast of reliability. However reliability is
20	forecasted annually for each month of the year at the start of each year based on
21	historical values and tracked monthly. This information is shared across the company as
22	well as reviewed monthly by the Chief Executive Officer and Chairman of the Board.
23	Please see attachment Att-SIA-Q16-A – Monthly Reliability Report.

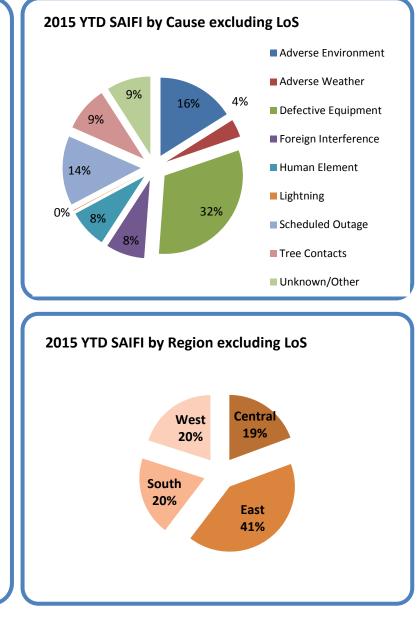
# System Reliability Report - Assets and Planning

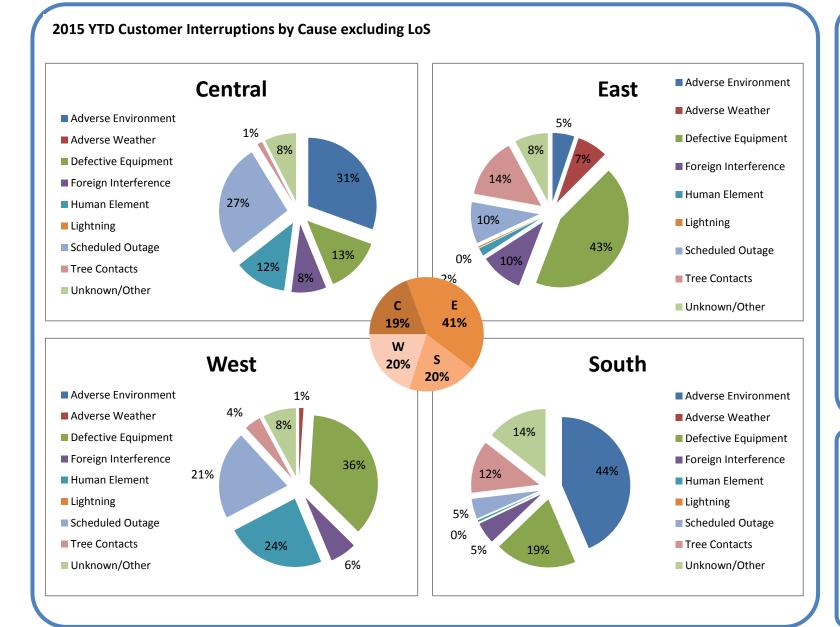




J F M A M J J A S O N D

0.0





# Highest Outage Feeders Excl LoS and Scheduled Outages (Twelve Month Rolling Window)

Rank	Station Name	Region	Feeder	# Outages
1	Leitrim MS	East	249F1	23
2	Beckwith DS	West	BECKF2	22
3	Bilberry Creek TS	East	77M6	16
4	Moulton MS	East	8F1	15
5	Kanata MTS	West	624F6	13
6	Russell TB	East	TB14	12
7	Woodroffe TW	Central	TW22	12
8	Bilberry Creek TS	East	77M2	10
9	Lincoln Heights TD	Central	TD05	10
10	Lincoln Heights TD	Central	TD12	10
11	Bayshore DS	South	49F6	8
12	Blackburn MS	East	4F5	8
13	Lincoln Heights TD	Central	TD06	8
14	Parkwood Hills DS	South	190F5	8
15	Rideau Heights DS	South	180F4	8

### 2015 Major Event Days

March 14, 2015, was a Major Event Day due to fires on both Hydro One (LOS) and Hydro Ottawa poles. High humidity, salt, and temperatures near 0°C.

Year	Number of MEDs
2015	1
2014	2
2013	2
2012	2



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-5-4(2-SIA#17) ORG ORIGINAL Page 1 of 3

1	<u>Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question</u>
2	<u>#17</u>
3	Reference: Exhibit B, Tab 5, Schedule 4
4	
5	Question #17:
6	
7	HOL notes that "Overall, since 2009, Hydro Ottawa's system SAIDI and SAIFI has been
8	steadily increasing, due to the increase of storms with severe wind and rain as well as an
9	increase in equipment failures."
10	
11	a. With the assumption that all investments will to some limited extent incrementally
12	improve system reliability and restoration time, please list and summarize or provide
13	references to all planned investments that specifically aim to mitigate the reliability
14	impact to customers of severe weather (storms, severe wind and rain, etc).
15	
16	b. Given severe storms are an identified and substantial risk, is mitigation against the
17	impacts of severe storms an explicit part of HOL's capital investment strategy? If yes,
18	please explain how. If not, please explain why.
19	
20	
21	
22	Response:
23	
24	a. While no one project is only specifically aimed to mitigate the reliability impact to
25	customers due to severe weather, Table SIA #17 – 1 provided below indicates
26	the planned investments which have specific outcomes which are designed to
27	reduce customer reliability impact during weather events. The investment details
28	can be found in Attachment B-1(A) – Material Investments.
29	



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-5-4(2-SIA#17) ORG ORIGINAL Page 2 of 3

## Table SIA #17 – 1: Planned Investments to reduce customer reliability impact

1 2

## during weather events

Project Name	Page	Reliability Impact
Merivale DS Rebuild	19	Increased Capacity
Longfields XFRM Base Rpl- Including CS/CB	22	Lightning Mast Protection
Borden Farms Switchgear Replacement	39	Increased Capacity/
		Lightning Mast Protection
Startop Protection Upgrade	42	Increased Capacity
Centretown East Pole Replacement	58	Renewed Infrastructure to
		Current HOL Standards
64A3A – South East Kilborn Area	60	Renewed Infrastructure to
		Current HOL Standards
54B4A - Riverside Park South Pole Replacement	61	Renewed Infrastructure to
		Current HOL Standards
45B4 – Grandview Road Pole Replacement	62	Renewed Infrastructure to
		Current HOL Standards
54A4C4 Pole Replacement	63	Renewed Infrastructure to
		Current HOL Standards
Centretown West Pole Replacement	64	Renewed Infrastructure to
		Current HOL Standards
Alphabet Ave Phase 1 Pole Replacement	65	Renewed Infrastructure to
		Current HOL Standards
Prince of Wales & Greenbank South of Barnsdale	66	Renewed Infrastructure to
		Current HOL Standards
Trans-Canada Trail Pole Line (Eagleson to Terry Fox)	67	Renewed Infrastructure to
	450	Current HOL Standards
Fernbank Reclosers	152	Use of New Technology
TFXF1 Huntmar Recloser	153	Use of New Technology
New South 27.6kV Substation	156	Increased Capacity
Hinchey New Switchgear Lineup	165	Increased Capacity/
	173	Alternate Supply Point
Lisgar Transformation Upgrade	173	Increased Capacity
Limebank Transformer Upgrade Leitrim T1	179	Increased Capacity
	100	Alternate Supply Point
Casselman T1	106	Increased Capacity/
	196	Alternate Supply Point
		Increased Capacity/
Richmond South DS	203	Alternate Supply Point
		Increased Capacity/
Orleans TS Feeder	228	Alternate Supply Point
		Increased Capacity/
Fernbank Road Line Extension	233	Alternate Supply Point
		Increased Capacity/
West 44kV Line Extension	239	Alternate Supply Point
		Increased Capacity/
Springbrook Drive Trunk	247	Alternate Supply Point
		Increased Capacity/
Abbott Street Trunk	254	Alternate Supply Point
	1	

2016 Hydro Ottawa Limited Electricity Distribution Rate Application – Interrogatory Responses



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-5-4(2-SIA#17) ORG ORIGINAL Page 3 of 3

Project Name	Page	Reliability Impact
Prince of Wales Voltage Conversion	267	Increased Capacity/
Finice of Wales Voltage Conversion	207	Alternate Supply Point
Rideau Valley Voltage Conversion	277	Increased Capacity/
Rideau valley voltage conversion	211	Alternate Supply Point
Richmond Voltage Conversion	286	Increased Capacity/
Richmond Voltage Conversion	200	Alternate Supply Point
Telecommunications Master Plan	316	Use of New Technology
SCADA Upgrade Project	327	Use of New Technology
Outage Communications Systems	352	Use of New Technology
Mobile Workforce Management	379	Use of New Technology

1 2

3

4

b. In general, the Capital work Hydro Ottawa Limited performs on the distribution system has a positive impact on managing sever weather events. Please see Interrogatory Response to SIA # 17 part a.

5 Storms with severe wind and rain can have unpredictable impacts on Hydro 6 Ottawa Limited's distribution system. Hydro Ottawa Limited is working to adapt to 7 increasing weather related events by making changes to construction 8 requirement standards, capacity planning for supply loss, building alternate 9 supply points and increased use of new technology (Exhibit B-1-2, Page 32).

10 Construction standards are continuously being reviewed by industry groups such 11 as The Centre for Energy Advancement through Technological Innovation 12 (CEATI) to look for ways to improve the resistivity of the distribution system in 13 relation to increasing severity of weather events.

- Where feasible, Hydro Ottawa Limited plans to N-1 contingency in planning of substation capacity. During the loss of a single supply or substation transformer caused by failure or weather event, load is able to be supplied from elsewhere in the grid.
- 18 Some parts of the Hydro Ottawa Limited system have alternate supply points, 19 meaning that during an event causing an outage, load can be supplied from 20 elsewhere in the grid until required repairs can be made.

2016 Hydro Ottawa Limited Electricity Distribution Rate Application – Interrogatory Responses



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-1-2(2-SIA#18) ORG ORIGINAL Page 1 of 2

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#18</u>
3	
4	<u>Reference:</u> Exhibit B, Tab 1, Schedule 2, page 242
5	
6	Question #18:
7	
8	As part of its facilities strategy, HOL is proposing "to credit ratepayers with the entire
9	value of the after tax proceeds of sale for the 2 buildings and for 50% of the after tax
10	proceeds for the sale of the lands".
11	
12	a. Please further explain the statement that "The 50% share of the after tax proceeds for
13	the sale of the lands recognizes that land is an undepreciated asset." Please elaborate
14	on the justification for a 50/50 split.
15	
16	b. Given that HOL is proposing to replace one facility for another and one parcel of land
17	for another – why would it not be appropriate to credit the full value of the old facilities as
18	an offset to constructing the new ones?
19	
20	
21	
22	Response:
23	
24	a. The ratepayers have refunded the cost of the buildings to the utility for the buildings
25	through depreciation, however land is an undepreciated asset and as such the
26	ratepayers have not funded the cost of land. For this reason, Hydro Ottawa believes
27	the more appropriate fair and equitable approach is to split the after tax process of
28	the sale of the land 50/50 between the shareholder and the ratepayer.
29	



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-1-2(2-SIA#18) ORG ORIGINAL Page 2 of 2

- b. The disposal of one property and construction of a new property is treated as two
  different transactions both for purposes of the APH and IFRS, as such it is not
  appropriate to combine the two transactions.
- 4
- 5



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:B-1-2(2-SIA#19) ORG ORIGINAL Page 1 of 1

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#19</u>
3	
4	<u>Reference:</u> Exhibit B, Tab 1, Schedule 2, page 242
5	
6	Question #19:
7	
8	HOL states that it "is proposing to establish a deferral account to record the after tax
9	proceeds from the sale of the buildings and lands and will bring forward the deferral
10 11	account for clearance in a future proceeding once the buildings and lands have been sold".
12	Given that the costs of the new facilities will be incurred over the 2016-2018 period, has
13	HOL considered refunding some portion of the value of the old facilities in advance of a
14	formal sale (with a variance account for any differences), both to better align costs and
15	revenues and allow for rate mitigation during the 2016-2018 period?
16	
17	
18	
19	Response:
20	
21	Hydro Ottawa Limited ("Hydro Ottawa") is proposing to introduce a Y factor related to the
22	new facilities when the costs have occurred. No material recovery from customers is
23	anticipated prior to 2018.
24	
25	Hydro Ottawa did not consider bringing into rates the impact of the sale of the old
26	facilities during the 2016 to 2018 period, prior to the actual sales of the facilities and
27	while the facilities are still in use by Hydro Ottawa.
28	



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:C-2-1(3-SIA#20) ORG ORIGINAL Page 1 of 1

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#20</u>
3	
4	<u>Reference:</u> Exhibit C, Tab 2, Schedule 1, page 1, table 1
5	
6	Question #20:
7	
8	Please explain the drivers behind the notable above average specific service charges
9	revenue received in 2013 (i.e. \$5.3M, as compared to ~\$3.5M in other years prior to
10	2016).
11	
12	
13	
14	Response:
15	
16	Please see Interrogatory Response to Energy Probe Question #24 part a.
17	



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:D-1-1(4-SIA#21) ORG ORIGINAL Page 1 of 2

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#21</u>
3	
4	<u>Reference:</u> Exhibit D1, Attachment D1(D), PSE Benchmarking Report, Section 1.5,
5	page 9 and 35
6	
7	Question #21:
8	
9	The PSE Benchmarking Report generally concludes that HOL is forecast to be an above
10	average performer noting that "Hydro Ottawa's Custom IR total cost performance
11	remains statistically superior at the 90% confidence level. These results indicate a
12	stretch factor of 0.15% based on the 4th Generation IR stretch factor criteria."
13	Has HOL incorporate this stretch factor into its proposed I-X methodology? If not, why
14	not?
15	
16	
17	
18	Response: (supplied by PSE)
19	
20	In constructing the 4 <sup>th</sup> Generation IR the stretch factors they are based on historical and
21	not projected cost performance assessments. While PSE found that the proposed future
22	spending of Hydro Ottawa places the company in the 0.15% stretch factor, the most
23	recent historical benchmarks indicate a 0.0% stretch factor.
24	On page 9 and 35, PSE states that Hydro Ottawa is entering the Custom IR period with
25	a very strong cost performance finding that implies a 0.0% stretch factor. PSE states on
26	page 9 of their report, "Hydro Ottawa is entering the Custom IR period with strong recent
27	cost performance (i.e., costs are below the expected values), with its average 2011 to
28	2013 total costs being estimated at 37.1% below benchmark values. This is statistically
29	superior cost performance at a 90% confidence level. This performance level is

30 commensurate with a 0.0% stretch factor (Group 1), using the 4th Generation IR criteria



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:D-1-1(4-SIA#21) ORG ORIGINAL Page 2 of 2

put forth in the November 2013 Board report. Hydro Ottawa ranks 4th out of the 78
 distributors included in the sample."

3

Furthermore, PSE's supplemental evidence on extreme temperatures (found in the Appendix, Section 7, of the PSE report) found that the benchmark results look even better (-45.6% for 2011-2013 and remaining below -25% in all future years) and imply a 0.0% stretch factor in both the historical and future years. Hydro Ottawa's experience in working in extreme temperatures, leads the Company to believe extreme temperatures present a real and significant cost challenge. This belief is empirically supported by PSE's extreme temperature model's results.

- 11
- 12
- 13
- 14
- 15



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:D-2-4(4-SIA#22) ORG ORIGINAL Page 1 of 1

1	<u>F</u>	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2		<u>#22</u>
3		
4	<u>Re</u>	<u>ference:</u> Exhibit D, Tab 2, Schedule 4, Appendix 2M
5		
6	<u>Qu</u>	lestion #22:
7		
8 9		a. Please identify the costs of preparing this CIR application (identifying specifically consulting and legal costs).
10		
11 12 13		b. Given that HOL has left the "One-time costs" section of Appendix 2M blank, please confirm that HOL is not seeking to recover any costs related to the preparation of this application as part of its 2016-2020 rates.
14 15 16 17 18 19		Please see Interrogatory Response to CCC Question #49.
20		
21	b.	Hydro Ottawa confirms that it is not seeking to recover any costs related to the
22		preparation of this application as part of its 2016-2020 rates.
23		
24		



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:D-1-1(4-SIA#23) ORG ORIGINAL Page 1 of 1

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#23</u>
3	
4	Reference: Exhibit D, Tab 1, Schedule 1, page 1
5	
6	Question #23:
7	
8	Please provide an updated version of Table 1 with actual year-end 2014 values.
9	
10	
11	
12	Response:
13	
14	See response to interrogatory SIA # 23 – A for an updated version of Table 1 with year-
15	end 2014 actual values.
16	
17	
18	



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:D-1-2(4-SIA#24) ORG ORIGINAL Page 1 of 1

1	<u>Res</u>	ponse to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2		<u>#24</u>
3		
4	<u>Refer</u>	<u>ence:</u> Exhibit D, Tab 1, Schedule 2, page 2
5	0	Non #24.
6 7	Ques	<u>tion #24:</u>
8	HOL	notes that "The 2016 budget forecast exercise began with the development of the
9		et Memo from the office of the Chief Financial Officer that provided top down
10	•	nce on the areas of constraints which informed the individual divisions in the
11	develo	opment of their bottom up budgets."
12		
13	1.	Please confirm that the referenced memo is the memo provided as Attachment
14		D1 (A).
15	-	
16	2.	Were any other memos, documents, or presentations circulated to individual
17 18		divisions concerning guidance as to the preparation of the CIR application? If so, please provide copies
18		please provide copies
20		
20		
22	Resp	onse:
23		
24	a. Ye	es, the memo in Exhibit D-1-1 is the budget memo.
25		
26	b. Pl	ease see Interrogatory Response to CCC Question #5.
27		
28		
29		



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:D-1-8(4-SIA#25) ORG ORIGINAL Page 1 of 1

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#25</u>
3	
4	Reference: Exhibit D, Tab 1, Schedule 8, Appendix 2K
5	
6	Question #25:
7	
8	<ul> <li>Please reproduce Appendix 2K by splitting the "Management" category into</li> </ul>
9	Executives, Management (Directors and Managers), and Professionals (Supervisors and
10	Professionals) separately.
11	) Using the revised Appendix 2K as per a) above, please show Average Salary and
12	Vages, Average Benefits, and Average Total Compensation per employee by employee
13	ype (i.e. Executive, Management, Professionals, Non-union, Union, Total)
14	
15	
16	
17	Response:
18	
19	a) Please see Att-SIA-Q25-A revised as per the categories noted above, with the
20	exception that the one executive is included in the management category.
21	
22	b) Please see Att-SIA-Q25-A revised as per the categories noted above, with the
23	exception that the one executive is included in the management category.
24	
25	
26	
27	
28	

File Number:	EB-2015-0004
Exhibit:	D
Tab:	1
Schedule:	8
Page:	1
Date:	ORIGINAL UPDATED: July 31, 2015

#### Appendix 2-K - 4-SIA-25 Employee Costs

		2012 Actuals		2013 Actuals	2	2014 Actuals	20	15 Forecast	2016 Forecast
Number of Employees (FTEs including Temporary) <sup>1</sup>	-	20127101000		Lo ro Alotadio	-			1010100000	
Management (Executive, Directors and Managers)	1	51.2	1	49.3	1	47.2		50.4	50.4
Professionals (Supervisors and Professionals)		79.9		77.1		88.6		87.1	87.1
Non-Union		43.1		48.8		51.8		47.7	47.7
Union		419.3		435.4		434.4		437.5	437.5
Total		593.5		610.6		622.0		622.7	622.7
Total Salary and Wages including overtime and incentive pay									
Management (Executive, Directors and Managers)	\$	6,473,876.38	\$	6,505,942.46	\$	6,195,496.22	\$ (	6,251,278.00	\$ 6,406,556.00
Professionals (Supervisors and Professionals)	\$	7,691,652.82	\$	7,716,210.51	\$	9,003,622.04		8,989,775.00	\$ 9,241,559.00
Non-Union	\$	3,365,144	\$	3,830,997	\$	3,979,888	\$	3,660,815	\$ 3,868,504
Union	\$	31,839,026	\$	34,215,448	\$	34,694,865	\$	36,832,143	\$ 38,242,411
Total	\$	49,369,699	\$	52,268,598	\$	53,873,871	\$	55,734,011	\$ 57,759,030
Total Benefits (Current + Accrued)									
Management (Executive, Directors and Managers)	\$	1,440,305	\$	1,533,396	\$	1,394,509	\$	1,572,403	\$ 1,660,299
Professionals (Supervisors and Professionals)	\$	1,801,091	\$	1,881,025	\$	2,095,232	\$	2,173,489	\$ 2,294,060
Non-Union	\$	779,896	\$	947,624	\$	873,802	\$	867,682	\$ 925,815
Union	\$	7,514,751	\$	8,386,018	\$	8,206,692		8,741,167	\$ 9,305,079
Total	\$	11,536,043	\$	12,748,063	\$	12,570,234	\$	13,354,741	\$ 14,185,253
Total Compensation (Salary, Wages, & Benefits)									
Management (Executive, Directors and Managers)	\$	7,914,181	\$	8,039,338	\$	7,590,005	\$	7,823,681	\$ 8,066,855
Professionals (Supervisors and Professionals)	\$	9,492,744	\$	9,597,235	\$	11,098,854	\$	11,163,264	\$ 11,535,619
Non-Union	\$	4,145,040	\$	4,778,621	\$	4,853,690	\$	4,528,497	\$ 4,794,319
Union	\$	39,353,778	\$	42,601,466	\$	42,901,556	\$	45,573,310	\$ 47,547,490
Total	\$	60,905,742	\$	65,016,660	\$	66,444,105	\$	69,088,752	\$ 71,944,283
Average Salary and Wages including overtime and incentive pay									
Management (Executive, Directors and Managers)	\$	126,443	\$	131,966	\$	131,261		124,033	\$ 127,114
Professionals (Supervisors and Professionals)	\$	96,265	\$	100,091	\$	101,638	\$	103,212	\$ 106,103
Non-Union	\$	78,161	\$	78,500	\$	76,789		76,747	\$ 81,101
Union	\$	75,939		78,579	\$	79,861	\$	84,188	\$ 87,411
Total	\$	83,184	\$	85,602	\$	86,614	\$	89,504	\$ 92,756
Average Benefits (Current + Accrued)									
Management (Executive, Directors and Managers)	\$	28,131		31,103	\$	29,545		31,198	\$ 32,942
Professionals (Supervisors and Professionals)	\$	22,542		24,400	\$	23,652		24,954	\$ 26,338
Non-Union	\$	18,114		19,418	\$	16,859		18,190	\$ 19,409
Union	\$	17,923		19,259	\$	18,890	\$	19,980	\$ 21,269
Total	\$	19,437	\$	20,878	\$	20,209	\$	21,447	\$ 22,780
Average Compensation (Salary, Wages, & Benefits)	Č.,				-		-		
Management (Executive, Directors and Managers)	\$	154,574		163,070	\$	160,805		155,232	\$ 160,057
Professionals (Supervisors and Professionals)	\$	118,807	\$	124,490	\$			128,166	\$ 132,441
Non-Union	\$	96,275		97,918	\$	93,648		94,937	\$ 100,510
Union	\$	93,862		97,838	\$	98,761		104,168	\$ 108,680
Total	\$	102,621	\$	106,480	\$	106,823	\$	110,950	\$ 115,536



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:D-1-3(4-SIA#26) ORG ORIGINAL Page 1 of 1

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#26</u>
3	
4	Reference: Exhibit D, Tab 1, Schedule 3, page 6
5	
6	Question #26:
7	
8	HOL explains that its bad debt increased to abnormally high levels in 2013, but using
9	"several mitigation strategies, management was able to bring bad debt expense down in
10	2014 and back to the industry average going forward". Given that bad debt cost has
11	decreased over the last few years from a high of \$2.3M in 2013 to \$1.5M in 2015, why
12	does HOL nonetheless forecast a nearly 25% increase in bad debt costs between 2015
13	and 2016?
14	
15	
16	
17	Response:
18	
19	Please see Interrogatory Response to CCC Question #39.
20	



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-1-1(8-SIA#27) ORG ORIGINAL Page 1 of 2

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#27</u>
3	
4	<u>Reference:</u> Exhibit H, Tab 1, Schedule 1, page 2
5	
6	Question #27:
7	
8	HOL notes that its fixed/variable split for the "Residential Class was adjusted with the
9	Board's April 2015 Report in mind and therefore goes beyond a 50% fixed component."
10	However, the referenced April 2015 OEB report notes that:
11	"The OEB has determined that the change will be phased in, with a four year
12	transition period. During the transition period, the fixed charge will be increased
13	gradually and the usage charge will be reduced slowly. At the end, there will be a fixed
14	charge which recovers the distributor's costs, and there will no longer be any usage
15	charge. We are phasing the change to reduce the impact on those customers whose
16	bills will increase. The rate changes will begin in 2016 and will be completed in 2019."
17	Given the clear direction to complete conversion to fully fixed rates within four years (by
18	2019), why is HOL proposing its 2020 residential rates to be based on a fixed variable
19	ratio of only 66.2% ?
20	
21	
22	
23	Response:
24	
25	Please refer to Exhibit H-1-1, Hydro Ottawa limited states "As part of this application
26	Hydro Ottawa has started to apply the Ontario Energy Board's ("the Board") principles in
27	its Draft Report on Rate Design for Electricity Distributors (EB-2012-0410). On April 2,
28	2015 the Board released the Board Policy, A New Distribution Rate Design for
29	Residential Electricity Customers. Hydro Ottawa will wait until the Board's Working
30	Groups has put forth its recommendations prior to incorporating these directions".
31	



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-1-1(8-SIA#27) ORG ORIGINAL Page 2 of 2

On July 16, 2015 the Board released a letter, Implementing a New Rate Design for
 Electricity Distributors OEB File No. EB-2012-0410, which discussed the working groups
 inputs and gave direction on the implementation approach of fixed rates for the
 residential class. Please see response to Ontario Energy Board Staff Interrogatory
 Question # 1 for updated rates.

6



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-7-1(8-SIA#28) ORG ORIGINAL Page 1 of 1

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#28</u>
3	
4	<u>Reference:</u> Exhibit H, Tab 7, Schedule 1, page 4
5	
6	Question #28:
7	
8	With regard to the Special Billing Service charge, HOL is effectively not proposing a fixed
9	"charge", but an approved hourly rate that will be applied based on the amount of effort
10	involved in any particular request. However, the Distribution Rate Handbook 2006
11	already permits utilities to charge for services "on an actual cost, time, and materials
12	basis", without seeking OEB approval. Given this provision, why does HOL feel it is
13	nonetheless necessary to have an approved hourly rate for this particular service? (as
14	opposed to requesting that this service charge simply be dropped from HOL's Tariff
15	sheet?)
16	
17	
18	
19 20	Response:
20	
21	Hydro Ottawa decided to seek OEB-approval for this charge, given the fact this
22	proposed charge replaces a current OEB-approved Request for Billing Information
23	charge. Given the administrative nature of the service and for consistency, the decision
24 25	was taken to request OEB approval.
25 26	
26	



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-7-1(8-SIA#29) ORG ORIGINAL Page 1 of 1

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2	<u>#29</u>
3	
4	Reference: Exhibit H, Tab 7, Schedule 1, Attachment H-7(A) - Special Billing
5	Service Calculation Table
6	
7	Question #29:
8	
9	a) Please confirm that the \$95 labour rate is meant to be the "Direct labour (Inside
10	Staff) Straight Time" (rather than "field staff"). If not, please recalculate the
11	charge using the rate for Inside Staff.
12	
13	b) Please clarify the basis for the labour rates used for this and other service
14	charges for both "inside staff" and "field staff".
15	
16	
17	
18	Response:
19	
20	a. Please see Interrogatory Response to OEB Staff Question #21 parts ii and iv.
21	
22	b. See above.
23	
24	
25	



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-7-1(8-SIA#30) ORG ORIGINAL Page 1 of 2

1	<u>Res</u>	ponse	to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2			<u>#30</u>
3			
4	Refer	<u>ence</u> l	Exhibit H, Tab 7, Schedule 1, page 1
5			
6	<u>Quest</u>	tion #3	<u>:0:</u>
7			
8	a.	Giver	n the large increases requested for other service charges, please explain
9		why I	HOL is not proposing to update the rates charged for the six items listed on
10		lines	22-27.
11			
12	b.	Pleas	se calculate the real cost based rate for each of the six items in a) above, as
13		well a	as projected revenue using those rates, and the variance in revenue as
14		comp	pared to continuing to use the current rate over 2016-2020.
15			
16			
17	_		
18	<u>Respo</u>	onse:	
19 20		ام را ا	a Ottown did not undertake a review of eacts accepted with the eiv comise
20	a.	•	o Ottawa did not undertake a review of costs associated with the six service
21		charg	es listed on lines 22-27 of Exhibit H-7-1 for several reasons.
22 23		Tho f	ollowing service charges were not changed due to process efficiencies and/
23 24			clining customer utilization of the service. As a result, the existing service
24 25			les were deemed to be fair and reasonable:
26		i.	Arrears Certificate;
27		ii.	Duplicate Invoices from Previous Billing;
28		iii.	Credit Reference/Credit Check;
29		iv.	Unprocessed Payment Charge.
30			



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-7-1(8-SIA#30) ORG ORIGINAL Page 2 of 2

1	The following service charges were not revised due to the need to review and,
2	potentially revise several cost drivers, which could not be undertaken within the
3	required timeframe. Further, as noted by the Ontario Energy Board ("the Board")
4	in the Wireless Attachment Consultation memo dated December 11, 2014 the
5	Board indicated "plans to undertake a review of all Specific Service Charges next
6	fiscal year." <sup>1</sup> These services are above average in volume; therefore, Hydro
7	Ottawa opted to wait until a full review of service charges is undertaken. The
8	service charges impacted are:
9	
10	v. Account Set-Up/Change of Occupancy Charge;
11	vi. Disconnect/Reconnect Charge (all 4 categories).
12	
13	b. The requested information is not readily available and therefore could not be
14	provided within the time frame of interrogatory responses. Also, please see part
15	a) of this interrogatory response.
16	
17	

<sup>&</sup>lt;sup>1</sup> Wireless Attachment Consultation, Board File No. EB-2014-0365, memo dated December 11, 2014, page 3.



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-7-1(8-SIA#31) ORG ORIGINAL Page 1 of 2

	Res	ponse to Sustainable Infrastructure Alliance Ontario Interrogatory Question
2		<u>#31</u>
-	Refer	ence Exhibit H, Tab 7, Schedule 1, page 1
)	<u>Quest</u>	tion #31:
7		
)		proposes to install remote disconnect meters for approximately 36,000 customers.
		also proposes to maintain the same rate for its "Disconnect/Reconnect" service
)	charge	2.
	а.	Given that "Remote disconnect meters reduce the expense requirements
		associated with travelling to the premise for disconnect and reconnect
		requirements", why has HOL not considered a different (lower)
		"Disconnect/Reconnect at meter" service charge rate for customers served by
		remote disconnect meters? Alternatively, would HOL consider a blended cost
		rate (i.e. remote and non-remote) for all disconnect/reconnects?
	D.	Please calculate a new "disconnect/reconnect at meter (remote meter)" charge
		based on the costs of performing this task using a remote disconnect meter.
	C.	Please calculate a "disconnect/reconnect at meter" charge based on HOL's
		blended costs of performing this task (assuming 36,000 remote disconnect
		meters, with all others non-remote).
	<u>Respo</u>	onse:
	а.	As Hydro Ottawa currently has a modest number of remote disconnect/reconnect
		meters in service. Within the next five (5) years, the number of meters installed

2016 Hydro Ottawa Limited Electricity Distribution Rate Application – Interrogatory Responses



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-7-1(8-SIA#31) ORG ORIGINAL Page 2 of 2

1		with this feature will remain modest in comparison to the overall meter count.
2		Hydro Ottawa has not considered a rate change for remote disconnect/reconnect
3		services. Rather, to avoid rate discrimination, disconnect/reconnect service
4		charges continue to be uniform to provide the same rate to customers whether
5		they remain on the traditional technology which requires a premise visit (the vast
6		majority of customers) or whether they have the newer metering technology in
7		place.
8		
9	b.	Not applicable.
10 11		
12	C.	Not applicable.



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-7-1(8-SIA#32) ORG ORIGINAL Page 1 of 2

F	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question
	<u>#32</u>
<u>Re</u>	ference Exhibit H, Tab 7, Schedule 1, page 1
<u>Qı</u>	lestion #32:
Ю	DL describes the High Bill Investigation charge as being "intended to recover the direct
20	sts associated with offsite high bill investigations, when all other means of addressing
u	stomer high bill concerns have not been satisfactory to the customer."
	a. Please outline "all other means" that HOL would employ prior to proceeding with
	a High Bill Investigation.
	b. Please explain why HOL believes it to be appropriate to apply an additional
	charge to a customer who is already concerned and stressed with a high bill.
	Would an additional payment for an investigation not exacerbate the problem?
<u>}</u>	sponse:
a.	Hydro Ottawa undertakes a review of the account by asking the customer if there
<b>u</b> .	were any changes in circumstances that would impact the electricity consumption, as
	well as, provide a comparison of the similar service periods such as the previous
	month, same month of previous two years, etc., to determine the variance. Hydro
	Ottawa also provides the customers tips for energy conservation and informs them of
	any on-going programs and incentives. Further, Hydro Ottawa provides, free of
	charge, a customer portal called MyHydroLink. This portal offers the customer
	access to data such as usage, payments, bills, and the ability to set thresholds for



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-7-1(8-SIA#32) ORG ORIGINAL Page 2 of 2

electricity usage. Once the customer-defined thresholds are exceeded an e-mail alert is sent to the customer.

23

1

4 b. In some cases, after Hydro Ottawa completes the aforementioned steps, customers 5 may not be completely satisfied and insist that there is still "something wrong" and 6 often suspect their meter is the problem. The customer will insist that Hydro Ottawa 7 send a technician to their premise. Past experience has revealed that the technician 8 often ends up doing a home energy audit beyond the meter point – which is the 9 demarcation point between HOL's equipment and customer's equipment. This type 10 of work is outside of Hydro Ottawa's mandate and is, in fact, a competitive service 11 offered by many energy management companies. Hydro Ottawa believes that 12 premise visit charges in such circumstances need to be fully recovered by those 13 customers who generate the costs and receive the benefits from this service.

- 14
- 15



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-7-1(8-SIA#33) ORG ORIGINAL Page 1 of 4

1	Response to Sustainable Infrastructure Alliance Ontario Interrogatory Ques	
2	<u>#33</u>	
ŀ	Reference Exhibit H, Tab 7, Schedule 1, Attachment H7(A)	
5		
6	Question #33:	
7		
8	a. For each of the three proposed Basic Temporary Service connection charges (i.e.,	
)	overhead, underground, and overhead with transformer), please provide the detailed	
)	assumptions and calculations for the materials cost line item.	
1		
2	b. What happens to the materials used for the connection after the temporary connection	
3	is removed. Are they scrapped or reused?	
ŀ		
5	c. Please confirm that for all materials that can be reused or retain value after the	
5	temporary connection is terminated (e.g. the overhead transformer for the "with	
7	transformer" charge), that HOL's charge calculations use a discounted value for each	
3	material (e.g. not the full value of the transformer, but some discounted value based on	
)	connection duration assumptions). In the alternative, please explain why it would be	
)	appropriate to assume the full value of the materials in establishing the charge.	
l		
2	d. If HOL used the full cost of materials without discounting for residual value in c)	
3	above, please recalculate the charges assuming the temporary connection is in place for	
1	1 year, and exclude the residual value of any assets recovered after the connection is	
	terminated.	
5		
7		
3		
)	Response:	



Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-7-1(8-SIA#33) ORG ORIGINAL Page 2 of 4

1 a. Please see Interrogatory Response to OEB Staff Question #21 for detailed 2 calculations of the 2016 material cost line items. The Temporary Service 3 Charges were based upon the following assumptions: 4 5 6 7 1) Basic Temporary Service Install and Remove – Overhead, No transformer 8 9 Taxes were excluded; lie along refers to the existing pole and primary service; 10 the work is performed during regular business hours and includes both 11 installation and removal. 12 2) Basic Temporary Service Install and Remove – Underground, No transformer 13 14 Taxes were excluded; lie along refers to the existing mini-pad transformer; civil 15 16 works is excluded; work is performed during regular business hours and includes 17 both installation and removal. 18 19 Miscellaneous Hardware for parts 1) and 2) consists of items that HOL requires 20 to perform the job such as: stirrups, standoff pins and insulators, three-quarter 21 inch bolts, preformed grips, connectors, clamps, amp packs and amp pack 22 covers, lubricants, cleaners, etc. 23 24 3) Basic Temporary Service Install and Remove – Overhead, With transformer 25 26 Taxes were excluded; lie along refers to the existing pole and primary service; 27 work is performed during regular business hours and includes both installation 28 and removal. 29 30 Overhead transformer hardware consists of: conductor, connection leads, ground 31 wire, plus applicable miscellaneous hardware. 32 33 Transformer costs of \$1,152 represent one-third the average, weighted cost of 34 the transformer.

Hydro Ottawa Limited EB-2015-0004 Interrogatory Responses IR:H-7-1(8-SIA#33) ORG ORIGINAL Page 3 of 4

The basic temporary service transformers are subjected to excessive and repetitious wear and tear due to frequent transportation, installation and usage by construction loads. HOL tests all its transformers that are removed from service to determine if the transformer can be re-used or recycled, which incurs additional testing and restocking costs. If the transformer tests successfully, it is then re-stocked for emergency proposes and not re-issued to planned customer requested projects.

9

1

10 Similar to transformers, used metering ancillary equipment requires retesting and 11 restocking. These costs are not captured in the stock value. The temporary 12 customer pays the new value for the meter. The new value of the meter provides 13 a contribution component to offset the retesting and restocking of the used meter 14 equipment.

15

HOL does not have a separate financial system set up for construction rental of
 its equipment (as is the case for the majority of temporary services) and has
 normalized the re-use of major equipment into its regular material handling
 process.

- b. End of asset life material is recycled, with the exception of the transformer and
   the meter. The secondary triplex cable cannot be re-used due to the varied
   lengths that are cut for each specific basic temporary service. The hardware is
   also one-time use. Only the transformer and meter are re-purposed.
- 25 26

20

- c. See Interrogatory Response to SIA Question #33, part a) for transformers and meters.
- 27 28
- d. See Interrogatory Response to SIA Question #33, part a) for transformers and
   meters. The next basic temporary service is not issued a re-used transformer;



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therefore, discounting for residual value is not required. The other items are
 recycled after one time use and do not have a residual value.
 3



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1	<u>Response to Sustainable Infrastructure Alliance Ontario Interrogatory Question</u>
2	<u>#34</u>
3	
4	Reference Exhibit I, Tab 1, Schedule 2, page 2
5	
6	Question #34:
7	
8	Concerning the Y Factor, HOL states that it is designed to recover "routine or expected
9	cost changes outside the scope of the annual adjustment mechanism". However, HOL
10	goes on to say that it "proposes to use a Y factor to pass along to ratepayers the costs
11	associated with the construction of the administrative and operational buildings"
12	(emphasis added)
13	
14	Please confirm whether the Y factor is meant to address only the cost changes or the
15	total costs of the buildings.
16	
17	
18	
19	Response:
20	
21	Hydro Ottawa Limited ("Hydro Ottawa") is proposing to use the Y factor for the total costs
22	associated with the construction of the administrative and operational buildings.
23	



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1	Re	sponse to Sustainable Infrastructure Alliance Ontario Interrogatory Question		
2		<u>#35</u>		
3				
4	Reference Exhibit I, Tab 1, Schedule 2, page 2			
5				
6	<u>Que</u>	stion #35:		
7				
8	HOL states that it prefers to "use the Y factor as opposed to embedding the full cost into			
9	revenue requirement as the precise costs and the timing in which they will be incurred			
10	remain unknown at this time. Hydro Ottawa proposes to record the expenses incurred			
11	due to the construction of new head office and operations facilities by using a Y factor			
12				
13	8	a. Please clarify the difference, if any, between the "Y factor" and a standard		
14		deferral or variance account.		
15 16	ŀ	Diagon confirm whether the "V Easter" is meant to be a deforral account (in which		
10	L	D. Please confirm whether the "Y Factor" is meant to be a deferral account (in which no amounts are included in rates) or a variance account (in which a forecast is		
17		included in rates, but variances are tracked for subsequent clearance).		
19				
20				
21	C	c. Under what assumption (variance or deferral) has HOL presented the Y factor		
22		throughout this CIR application? What portion of the costs (if any) of the head		
23		office and operations facility are currently factored in the capital spending, rate		
24		base, and bill impact tables in this CIR application?		
25				
26				
27	D			
28 20	<u>Res</u>	ponse:		
29 30	a.	Standard deferral and variance accounts are approved by the OEB for use and		
30 31		generally reflect regular day-to day operations. A Y factor is designed to recover		
32		costs when the timing and precise amount is unknown.		
	, c			



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- b. Hydro Ottawa will follow the Board's decision regarding whether a deferral or
   variance account is more appropriate in this case.
- 3
- 4

5

6

- c. Hydro Ottawa has presented the Y Factor in this Custom IR as a deferral or variance account. Please see Interrogatory Response to Energy Probe Question # 51 part a,
- 7 regarding the cost potion of this question.