



London Hydro

Exhibit 6 Interrogatories
Response to Interrogatories
EB-2016-0091

Rates Effective: May 1, 2017

Date Filed: January 17, 2017

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File Number: EB-2016-0091

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Exh 6 LPMA Interrogatories



File Number: EB-2016-0091

Interrogatories for Exhibit: 6

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6-LPMA-49

Ref: Exhibit 6, Tab 1, Schedule 1

Based on any corrections, changes or updates, please:

- a) Provide updated Tables 6.1.1.1 through 6.1.1.10,**
- b) Provide an updated RRWF that includes the appropriate and necessary entries in the Tracking Form indicating the interrogatory response which is the basis for the change made. Please also provide the RRWF in electronic form.**

[LH Response:](#)

[Please reference 1-Staff-3 for final summary of IR corrections, changes and updates.](#)



6-LPMA-50

Ref: Exhibit 6, Tab 1, Schedule 1, Attachment 2

a) Please update the cost of power calculates based on the October 14, 2016 Regulated Price Plan Price Report and any other changes (such as rural rate protection or wholesale market service rates) that have changed since the calculation was done. Please provide an updated Attachment 2 that reflects the changes.

[LH Response:](#)

Per the following attachment the 2017 Commodity Price calculation will change to \$109.57 per MWh from \$109.45 per MWh as originally submitted.

Per the OEB decision EB-2016-0362 on December 15, 2016 the RRRP amount will change to \$0.0021 per kWh effective January 1, 2017. All other regulated commodity rates, excluding Network and Connection, will remain as originally submitted. London Hydro has attached updated attachment as requested.

b) Please explain how the loss adjusted kWh's shown in the pass-thru revenue table are related to the kWh's shown in the first table of Attachment 2 and the requested loss factors to be applied.

[LH Response:](#)

See response c) below.

c) Please explain the difference in the kWh's shown in Attachment 2 with the figures shown Exhibit 3, Tab 1, Schedule 2, Attachment 1. For example, the residential kWh's are shown as 1,084,665,529 in the first table in Attachment 2 and 1,102,334,960 in the second table in Attachment 2, while the corresponding figure in Attachment 1 of Exhibit 3, Tab 1, Schedule 2 is 1,068,671,798.

[LH Response:](#)



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The 1,084,665,529 in the first table in Attachment 2 is the value of the 2015 Residential consumption as reported in our 2015 RRR Filings. This schedule is to calculate the splits between RPP and non-RPP customers to estimate the weighted cost of supply used for determining 2017 Cost of Power amount.

Rate Class	Actual kWh A	Non-RPP kWh B	RPP kWh C = A - B
Residential	1,084,665,529	63,200,895	1,021,464,634
General Service Less Than 50 kW	399,647,918	66,974,565	332,673,353
General Service 50 to 4,999 kW	1,465,515,148	1,346,935,035	118,580,113
General Service 50 to 4,999 kW (Wholesale Market Participant)	0	0	0
General Service 1,000 To 4,999 kW (co-generation)	38,831,481	38,831,481	0
Standby Power	0	0	0
Large Use	137,445,055	137,445,055	0
Street Lighting	24,640,359	24,640,359	0
Sentinel Lighting	738,971	19,496	719,475
Unmetered Scattered Load	5,465,820	103,474	5,362,346
microFIT	0	0	0
Total	3,156,950,281	1,678,150,360	1,478,799,921

The 1,102,334,960 kWh in the second table in Attachment 2 is the loss adjusted Billed kWh amount which corresponds to the figure in Attachment 1 of Exhibit 3, Tab 1, Schedule 2 of 1,068,671,798.

Rate Class	Applied For Charge Parameters				Market Participant kWh	Proposed Loss Factor	Loss Adjusted Billed kWh
	Billed Customers or Connections	Billed kWh	Billed kW	TOA kW			
Residential	142,509	1,068,671,798	0			1.0315	1,102,334,960
General Service Less Than 50 kW	12,749	371,911,863	0			1.0315	383,627,087
General Service 50 to 4,999 kW	1,561	1,486,650,047	3,778,018	1,099,163	17,602,117	1.0315	1,515,322,339
General Service 50 to 4,999 kW (Wholesale Market Participant)						1.0315	0
General Service 1,000 To 4,999 kW (co-generation)	4	34,191,555	65,844	65,844		1.0212	34,916,416
Standby Power			154,800	154,800		1.0212	0
Large Use	1	82,923,505	159,628			1.0212	84,681,483
Street Lighting	35,912	19,502,488	54,607			1.0315	20,116,816
Sentinel Lighting	599	706,221	1,907			1.0315	728,467
Unmetered Scattered Load	1,537	5,464,035	0			1.0315	5,636,152
microFIT	0	0	0	0	0	1.0315	0
	194,872	3,070,021,512	4,214,804	1,319,807	17,602,117		3,147,364,320



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Attachment 1 of 1

Updated COP rate Pass Through values

Commodity Price Calculation

Rate Class

	Actual kWh A	Non-RPP kWh B	RPP kWh C = A - B
Residential	1,084,665,529	63,200,895	1,021,464,634
General Service Less Than 50 kW	399,647,918	66,974,565	332,673,353
General Service 50 to 4,999 kW	1,465,515,148	1,346,935,035	118,580,113
General Service 1,000 To 4,999 kW (co-generation)	38,831,481	38,831,481	0
Large Use	137,445,055	137,445,055	0
Street Lighting	24,640,359	24,640,359	0
Sentinel Lighting	738,971	19,496	719,475
Unmetered Scattered Load	5,465,820	103,474	5,362,346
Total	3,156,950,281	1,678,150,360	1,478,799,921
%	100.0%	53.2%	46.8%

Supply Cost (\$/MWh) For the period from May 1, 2016 to April 30, 2017
Forecast Wholesale Electricity Price
Load-Weighted Price for RPP Consumers
Impact of Global Adjustment
Adjustment to Address Bias Towards Unfavourable Variance
Adjustment to Clear Existing Variance
Total Supply Cost (\$/MWh)
Split
Weighted Supply Cost (\$/MWh)

RPP	Non-RPP
	\$22.59
\$24.63	
\$84.50	\$84.50
\$1.00	
\$2.26	
\$112.39	\$107.09
46.8%	53.2%
\$109.57	\$56.93

Table ES-1: Average RPP Supply Cost Summary (for the 12 months from May 1, 2016)

RPP Supply Cost Summary	
for the period from November 1, 2016 through October 31, 2017	
Forecast Wholesale Electricity Price	\$22.59
Load-Weighted Price for RPP Consumers (\$ / MWh)	\$24.63
Impact of the Global Adjustment (\$ / MWh)	+ \$84.50
Adjustment to Address Bias Towards Unfavourable Variance (\$ / MWh)	+ \$1.00
Adjustment to Clear Existing Variance (\$ / MWh)	+ \$2.26
Average Supply Cost for RPP Consumers (\$ / MWh)	= \$112.39

Source: Navigant

Pass-Thru Revenue

Electricity

Rate Class	Metric	Volumetric Charge	Loss Adjusted Billed kWh	Not Used	Electricity
Residential	kWh	0.1096	1,102,334,960	0	120,785,776
General Service Less Than 50 kW	kWh	0.1096	383,627,087	0	42,035,041
General Service 50 to 4,999 kW	kW	0.1096	1,515,322,939	0	166,037,968
Standby Power	kW	0.1096	0	0	0
Large Use	kW	0.1096	84,681,483	0	9,278,776
Street Lighting	kW	0.1096	20,116,816	0	2,204,253
Sentinel Lighting	kW	0.1096	728,467	0	79,820
Unmetered Scattered Load	kWh	0.1096	5,636,152	0	617,568
					<u>\$ 344,865,086</u>

Wholesale Market Service Rate

Rate Class	Metric	Volumetric Charge	Loss Adjusted Billed kWh	Not Used	WMSR
Residential	kWh	0.0047	1,102,334,960	0	5,180,974
General Service Less Than 50 kW	kWh	0.0047	383,627,087	0	1,803,047
General Service 50 to 4,999 kW	kWh	0.0047	1,515,322,939	0	7,122,018
General Service 1,000 To 4,999 kW (co-generation)	kWh	0.0047	34,916,416	0	164,107
Large Use	kWh	0.0047	84,681,483	0	398,003
Street Lighting	kWh	0.0047	20,116,816	0	94,549
Sentinel Lighting	kWh	0.0047	728,467	0	3,424
Unmetered Scattered Load	kWh	0.0047	5,636,152	0	26,490
					<u>\$ 14,792,612</u>

Rural Rate Protection Charge

Rate Class	Metric	Volumetric Charge	Loss Adjusted Billed kWh	Not Used	RRRP
Residential	kWh	0.0021	1,102,334,960	0	2,314,903
General Service Less Than 50 kW	kWh	0.0021	383,627,087	0	805,617
General Service 50 to 4,999 kW	kWh	0.0021	1,515,322,939	0	3,182,178
General Service 1,000 To 4,999 kW (co-generation)	kWh	0.0021	34,916,416	0	73,324
Large Use	kWh	0.0021	84,681,483	0	177,831
Street Lighting	kWh	0.0021	20,116,816	0	42,245
Sentinel Lighting	kWh	0.0021	728,467	0	1,530
Unmetered Scattered Load	kWh	0.0021	5,636,152	0	11,836
					<u>\$ 6,609,465</u>

Retail Transmission Rate - Network Service Rate

Rate Class	Metric	Volumetric Charge	Loss Adjusted Billed kWh	Billed kW	RTSR - Network
Residential	kWh	0.0064	1,102,334,960	0	7,089,893
General Service Less Than 50 kW	kWh	0.0061	383,627,087	0	2,324,340
General Service 50 to 4,999 kW	kW	2.1336	1,515,322,939	3,778,018	8,060,610
General Service 1,000 To 4,999 kW (co-generation)	kW	3.1584	34,916,416	65,844	207,964
Large Use	kW	2.8025	84,681,483	159,628	447,365
Street Lighting	kW	1.8785	20,116,816	54,607	102,581
Sentinel Lighting	kW	1.8810	728,467	1,907	3,587
Unmetered Scattered Load	kWh	0.0061	5,636,152	0	34,149
					<u>\$ 18,270,488</u>

Retail Transmission Rate - Connection Service Rate

Rate Class	Metric	Volumetric Charge	Loss Adjusted Billed kWh	Billed kW	RTSR - Connection
Residential	kWh	0.0058	1,102,334,960	0	6,398,230
General Service Less Than 50 kW	kWh	0.0051	383,627,087	0	1,957,932
General Service 50 to 4,999 kW	kW	1.8661	1,515,322,939	3,778,018	7,050,036
General Service 1,000 To 4,999 kW (co-generation)	kW	2.7505	34,916,416	65,844	181,105
Large Use	kW	2.6003	84,681,483	159,628	415,081
Street Lighting	kW	1.6431	20,116,816	54,607	89,725
Sentinel Lighting	kW	1.6453	728,467	1,907	3,138
Unmetered Scattered Load	kWh	0.0051	5,636,152	0	28,765
					<u>\$ 16,124,013</u>

Smart Meter Entity

Rate Class	Metric	Fixed Charge	Customers	Not Used	LV Service Rate
Residential	kWh	0.7900	142,509	0	1,350,985
General Service Less Than 50 kW	kWh	0.7900	12,749	0	120,861
					<u>\$ 1,471,846</u>