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Northern Ontario Wires Inc.
Filed: 26 August, 2016
EB-2016-0096
Exhibit 3

Exhibit 3:

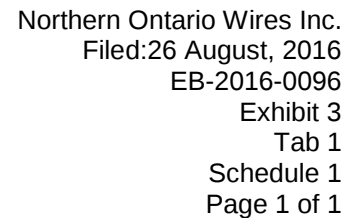
OPERATING REVENUE



Northern Ontario Wires Inc.
Filed: 26 August, 2016
EB-2016-0096
Exhibit 3
Tab 1

Exhibit 3: Operating Revenue

Tab 1 (of 3): Load and Revenue Forecast



Overview

NOW Inc. is proposing a total Service Revenue Requirement of \$3,832,485 for the 2017 Test Year. This amount includes a Base Revenue Requirement of \$3,563,567 plus revenue offsets of \$268,918 to be recovered through Other Distribution Revenue. A summary of all operating revenue from is presented below in **Table 1**.

	2013 Approved	2013 Actual	2014 Actual	2015 Actual	2016 Bridge	2017 Existing Rates	2017 Proposed Rates
Distribution Revenues							
Residential	\$ 1,868,695	\$ 1,863,355	\$ 1,958,674	\$ 1,959,913	\$ 2,025,777	\$ 2,018,525	\$ 2,381,807
GS < 50 kW	\$ 493,678	\$ 520,141	\$ 546,480	\$ 548,601	\$ 582,512	\$ 577,869	\$ 681,824
GS > 50 kW	\$ 324,349	\$ 274,394	\$ 224,978	\$ 265,937	\$ 272,177	\$ 270,068	\$ 318,652
Street Lighting	\$ 224,687	\$ 142,716	\$ 155,831	\$ 135,458	\$ 147,059	\$ 147,059	\$ 173,525
Unmetered Scattered Load	\$ 5,244	\$ 5,931	\$ 6,310	\$ 6,546	\$ 6,725	\$ 6,725	\$ 7,759
Total Distribution Revenue (Base)	\$ 2,916,653	\$ 2,806,537	\$ 2,892,273	\$ 2,916,455	\$ 3,034,250	\$ 3,020,246	\$ 3,563,567
Other Revenue							
Late Payment Charges	\$ 92,500	\$ 91,285	\$ 75,041	\$ 88,131	\$ 87,767	\$ 89,347	\$ 89,347
Specific Service Charges	\$ 28,600	\$ 29,474	\$ 31,551	\$ 29,426	\$ 30,045	\$ 30,045	\$ 30,045
Other Revenue	\$ 152,198	\$ 144,848	\$ 139,942	\$ 158,245	\$ 167,999	\$ 149,526	\$ 149,526
Total Other Revenue	\$ 273,298	\$ 265,607	\$ 246,534	\$ 275,802	\$ 285,811	\$ 268,918	\$ 268,918
Service Revenue Requirement	\$ 3,189,951	\$ 3,072,144	\$ 3,138,807	\$ 3,192,257	\$ 3,320,061	\$ 3,289,164	\$ 3,832,485
* Includes transformer allowance and unbilled revenue							

* Includes transformer allowance and unbilled revenue



HISTORICAL & FORECAST VOLUMES

NOW Inc. engaged Elenchus to complete a 2017 CDM adjusted Load Forecast. The approach used is included in their report at E3/T1/S2/Att1. The results are documented in the Elenchus report, and in Appendix 2-IB, included as Attachment 2 to this schedule.

NOW Inc. lost a major GS > 50 customer in 2013, and gained a new GS > 50 customer at the same site in 2015. As a result, that customer loss, and possible persistent changes in consumption at other large customers. While differences in class energy use and demand are modest, it is expected that these changes are persistent, and that usage from 2014 and 2015 is most reflective of class load going forward.

The net observable trend in load is a very modest decline – attributed to the Residential rate class. The GS < 50 rate class has experienced no load growth or decline. The USL rate class added 5 connections in 2012, and has exhibited no growth or decline since. It is projected to remain stable.

The Street Light rate class has undergone a conversion to LED lighting, with significant conversions in 2014. The work was completed in March 2016 and the load has been stable since.



Table 1 below from Appendix 2-IB itemizes forecasted volumes from various classes.

Table 1: Load Forecast Volumes

	Calendar Year (for 2017 Cost of Service)	Consumption (kWh) (3)				
			Actual (Weather actual)	Weather- normalized		Weather- normalized
Historical	2011	Actual	114,962,670	115,099,441	Board-approved	118,300,604
Historical	2012	Actual	118,283,165	118,340,711		
Historical	2013	Actual	126,827,856	124,943,879		
Historical	2014	Actual	119,510,166	118,301,622		
Historical	2015	Actual	117,901,697	121,681,805		
Bridge Year	2016	Forecast		119,147,496		
Test Year	2017	Forecast		118,967,287		

Now Inc. has included Appendix 2-IB as attachment 2 to this schedule. This provides comparisons of:

- Historic Board-Approved vs. Historic Actual vs. Historic Actual – weather normalized
- Historic Actual – trend
- Historic Actual – weather normalized and forecast – weather normalized – trend

NOW Inc. is confident that the variances between the 2013 approved and weather-normalized actuals are within an acceptable tolerance.



Weather Normalized Distribution System Load Forecast: 2017 Cost of Service

A Report Prepared by
Elenchus Research Associates Inc.

On Behalf of
Now Inc.

15/09/2016

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1 INTRODUCTION

This report outlines the results and methodology used to derive the weather normal load forecast prepared for use in the Cost of Service application for 2017 rates for Northern Ontario Wires Inc. ("NOW Inc.").

The regression equations used to normalize and forecast Now Inc.'s weather sensitive load use monthly heating degree days and cooling degree days as measured at Environment Canada's Timmins Airport weather station to take into account temperature sensitivity. This location is within 100km of two of the three communities in NOW Inc.'s service territory, and is the only weather station with the past 20 years of history near the service territory. Now Inc. is winter peaking and does not exhibit a substantial summer peak. Environment Canada defines heating degree days and cooling degree days as the difference between the average daily temperature and 18°C for each day (below for heating, above for cooling).

Overall economic activity also impacts energy consumption. There is no known agency that publishes monthly economic accounts on a regional basis for Ontario. However, regional employment levels are available. Given that income from employment and labour sources accounts for the largest portion of GDP on an income basis, and a study by Statistics Canada that has indicated that "turning points in the growth of output and employment appear to have been virtually the same over the past three decades"¹, employment has been chosen as the economic variable to incorporate into the analysis. Specifically, the monthly full-time employment level for Ontario, as reported in Statistics Canada's Monthly Labour Force Survey (CANSIM series Table 282-0135) was tested, and not found to exhibit a significant relationship to energy use. A localized employment indicator for the NOW Inc. service territory is not available. The geographically closest area, Sudbury, was tested and also found to not found to exhibit a significant relationship to energy use.

In order to isolate demand determinants at the class specific level, equations to weather normalize and forecast kWh consumption for the Residential, GS<50 and GS>50 classes, have been estimated.

In addition to the weather and economic variables, a time trend variable, number of days and number of working days in each month, number of customers, and month of year variables, have been examined for all rate classes. More details on the individual class specifications are provided in the next section.

Finally, for classes with demand charges, an annual kW to kWh ratio is calculated using actual observations for each historical year and applied to the normalized kWh to derive a weather normal kW observation. For forecast values, the average kW to kWh ratio for 2008-2015 is applied.

¹ Philip Cross, "Cyclical changes in output and employment," *Canadian Economic Observer*, May 2009.

1.1 SUMMARIZED RESULTS

The following table summarizes the historic and forecast kWh for 2014-2017:

Normal Forecast

kWh	2014 Actual	2015 Actual	2015 Normalized	2016 Forecast	2017 Forecast
Residential	42,817,440	41,096,056	41,427,318	41,247,109	41,066,900
GS < 50	20,089,108	19,602,981	20,051,827	20,013,177	20,013,177
GS > 50	55,041,599	59,289,165	59,289,165	57,165,382	57,165,382
Street Light	1,400,857	745,147	745,147	556,610	556,610
USL	161,162	168,348	165,218	165,218	165,218
Total	119,510,166	120,901,697	121,678,675	119,147,496	118,967,287

Table 1 kWh forecast by class

The following table summarizes 2015-2020 CDM Adjusted Load Forecast kWh. Details for this calculation can be found in Schedule 6 of this report.

CDM Adjusted

kWh	2017 Weather Normal Forecast	CDM Adjustment	2017 CDM Adjusted Forecast
Residential	41,066,900	362,099	40,704,801
GS < 50	20,013,177	272,352	19,740,824
GS > 50	57,165,382	777,944	56,387,438
Street Light	556,610	0	556,610
USL	165,218	0	165,218
Total	118,967,287	1,412,395	117,554,892

Table 2 CDM Adjusted kWh forecast

The following table summarizes the historic and forecast kW for 2014-2017. The calculations can be found as follows:

Normal Forecast

kW	2014 Actual	2015 Actual	2016 Forecast	2017 Forecast
GS > 50	165,499	171,931	168,829	168,829
Street Light	4,034	1,986	1,576	1,576
Total	169,533	173,917	170,405	170,405

Table 3 kW Forecast

The following table summarizes 2015-2020 CDM Adjusted Load Forecast kW. Details for this calculation can be found at the end of in Schedule 6 of this report.

CDM Adjusted

kW	2017 Weather Normal Forecast	CDM Adjustment	2017 CDM Adjusted Forecast
GS > 50	168,829	2,298	166,531
Street Light	1,576	0	1,576
Total	170,405	2,298	168,107

Table 4 CDM Adjusted kW Forecast

The following table summarizes the historic and forecast year-end customer/connections for 2014-2017:

Customer Connections

	2014 Actual	2015 Actual	2016 Forecast	2017 Forecast
Residential	5,237	5,219	5,218	5,216
GS < 50	755	785	785	784
GS > 50	70	71	71	71
Street Light	1,600	1,650	1,650	1,650
USL	23	23	23	23
Total	7,685	7,748	7,747	7,745

Table 5 Customer / Connection Forecast for 2009-2020

2 CLASS SPECIFIC KWH REGRESSION

2.1 RESIDENTIAL

For the Residential Class kWh consumption the equation was estimated using 96 observations from 2008:01-2015:12.

Heating and Cooling Degree days were used, as measured at the Timmins Airport weather station as described in the introduction. A Trend variable was used, indicating 1 in January 2008, and incrementing once each month, reaching 96 in the last month of the regression, December 2015. Finally, binary indicator variables for the Spring months of March, April, and May, as well as the Fall months of September, October, and November, as well as binary indicator variables for the months of February and July were used.

Several other variables were examined, and found to not show a statistically significant relationship to energy usage. Those included an economic indicator of full time employment, the number of days in the month, and a count of customer connections.

The following table outlines the resulting regression model:

Model 13: OLS, using observations 2008:01-2015:12 (T = 96)
Dependent variable: ReskWhb1

	<i>Coefficient</i>	<i>Std. Error</i>	<i>t-ratio</i>	<i>p-value</i>	
const	2.61662e+06	50530.8	51.7826	<0.0001	***
HDD	2232.2	53.8373	41.4619	<0.0001	***
CDD	7298.96	1449.26	5.0363	<0.0001	***
Trend	-1251.45	493.954	-2.5335	0.0131	**
Spring	-385041	38017.6	-10.1280	<0.0001	***
Fall	-274802	39605.2	-6.9385	<0.0001	***
Feb	-442207	55687.7	-7.9408	<0.0001	***
Jul	129223	62028.5	2.0833	0.0401	**
Mean dependent var	3513981	S.D. dependent var	741001.0		
Sum squared resid	1.56e+12	S.E. of regression	133290.4		
R-squared	0.970028	Adjusted R-squared	0.967644		
F(7, 88)	406.8645	P-value(F)	3.74e-64		
Log-likelihood	-1264.869	Akaike criterion	2545.738		
Schwarz criterion	2566.253	Hannan-Quinn	2554.030		
Rho	-0.110982	Durbin-Watson	2.181999		
Theil's U:	0.25501				

Table 6 Residential Regression Model

Using the above model coefficients we derive the following:

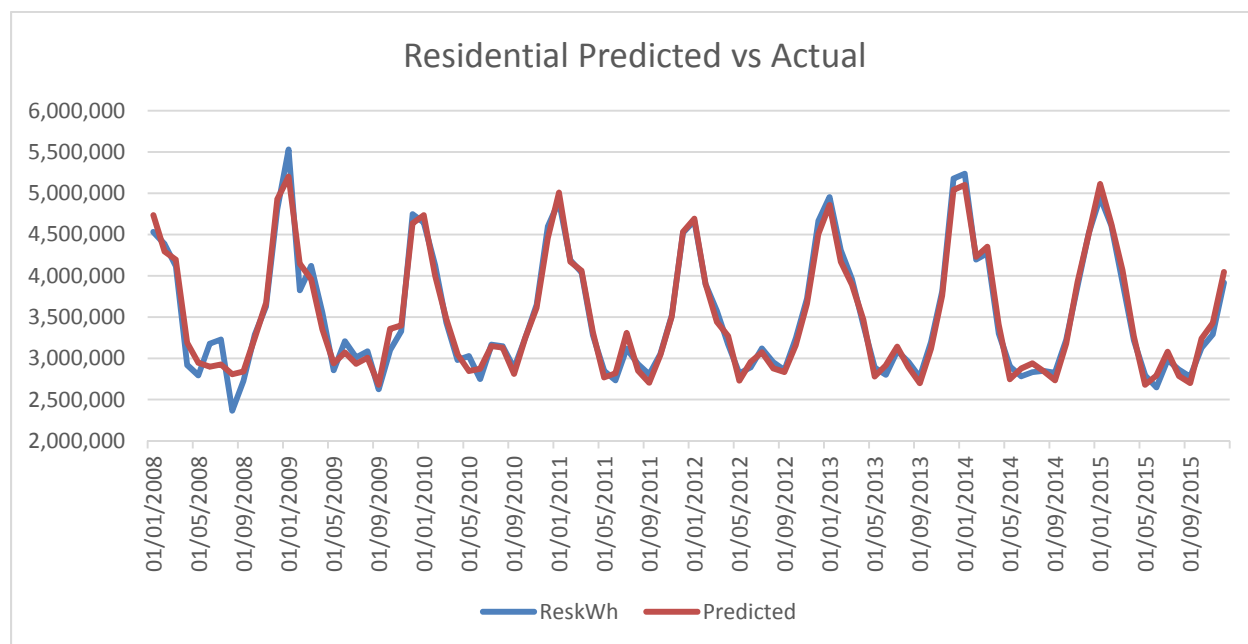


Figure 1 Residential Predicted vs Actual observations

Annual estimates using actual weather are compared to actual values in the table below. Mean absolute percentage error (MAPE) for annual estimates for the period is 1.0%. Annual errors are calculated as the model is used to derive annual forecasts. However, in proceedings Elenchus has been involved in, intervenors and Board Staff have requested MAPE calculated on a monthly basis and this has been provided as well. The MAPE calculated monthly over the period is 3.0%.

Year	Residential kWh		Absolute Error (%)
	Actual	Predicted	
2008	41,965,837	42,674,965	1.7%
2009	42,988,146	42,676,422	0.7%
2010	41,640,773	41,375,775	0.6%
2011	41,936,263	42,089,710	0.4%
2012	41,580,385	41,109,016	1.1%
2013	43,317,250	42,738,840	1.3%
2014	42,817,440	42,850,442	0.1%
2015	41,096,056	41,826,980	1.8%

Mean Absolute Percentage of Error (Annual) 1.0%

Mean Absolute Percentage of Error (Monthly) 3.0%

Table 7 Residential model error

2.2 GS < 50

For the GS < 50 class, the regression equation was estimated using 96 observations from 2008:01-2015:12.

Heating degree days and cooling degree days were used, as measured at the Timmins Airport weather station as described in the introduction. A count of the number of working days 'Peak Days' (Monday to Friday, excluding holidays) in the month has been included.

A binary variable representing the shoulder season months of March, April, May, September, October, and November has also been included. In recent cost-of-service filings in which Elenchus has participated, both Board Staff and intervenors have requested that separate variables for spring and fall be included for testing. These separate variables were tested, and found to have nearly the same coefficient, and produced a lower standard error and higher t-ratio when combined.

Several other variables were examined, and found to not show a statistically significant relationship to energy usage. Those included an economic indicator of full time employment, a trend variable, the number of calendar days in the month, and customer count.

The following table outlines the resulting regression model:

Model 1: OLS, using observations 2008:01-2015:12 (T = 96)
Dependent variable: GSlt50kWhb1

	<i>Coefficient</i>	<i>Std. Error</i>	<i>t-ratio</i>	<i>p-value</i>	
const	541127	218137	2.4807	0.0150	**
HDD	743.626	39.5075	18.8224	<0.0001	***
CDD	3118.01	996.616	3.1286	0.0024	***
PeakDays	38650.1	10203.4	3.7880	0.0003	***
Shoulder	-121295	23992.9	-5.0555	<0.0001	***
Mean dependent var	1674224	S.D. dependent var		271701.1	
Sum squared resid	9.21e+11	S.E. of regression		100603.7	
R-squared	0.868670	Adjusted R-squared		0.862897	
F(4, 91)	150.4780	P-value(F)		3.11e-39	
Log-likelihood	-1239.469	Akaike criterion		2488.939	
Schwarz criterion	2501.760	Hannan-Quinn		2494.121	
Rho	-0.158357	Durbin-Watson		2.307352	
Theil's U	0.45436				

Table 8 GS < 50 Regression Model

Using the above model coefficients we derive the following:

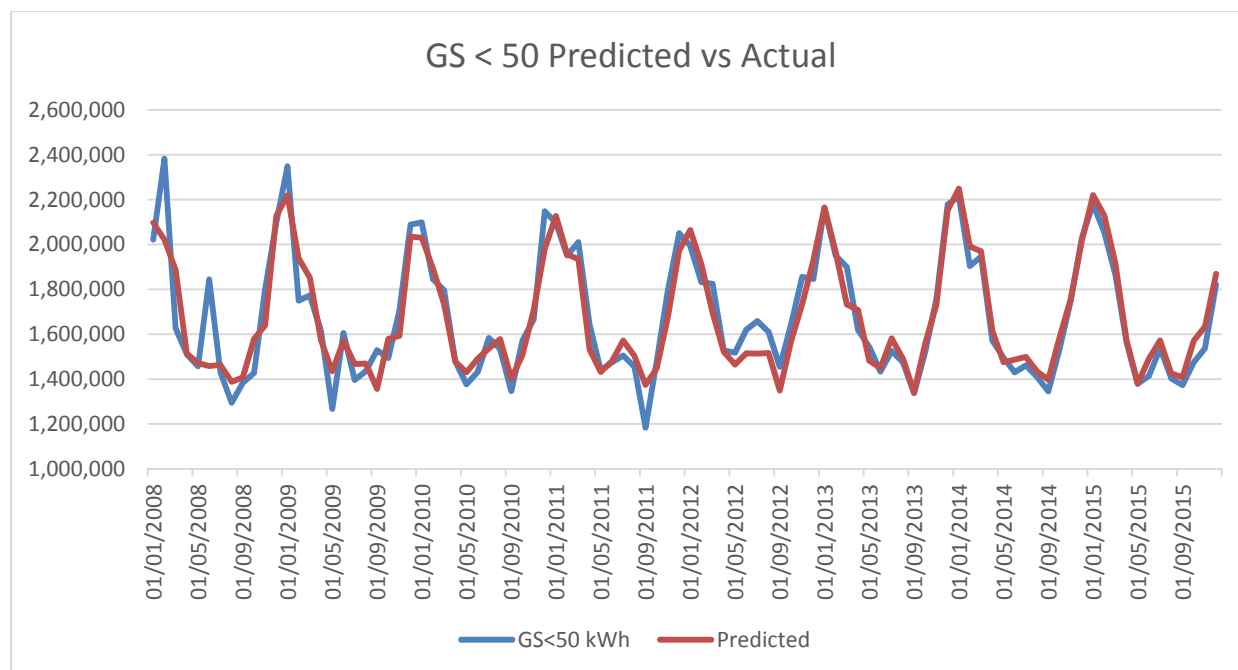


Figure 2 GS < 50 Predicted vs Actual observations

Annual estimates using actual weather are compared to actual values in the table below. Mean absolute percentage error (MAPE) for annual estimates for the period is 1.3%. Annual errors are calculated as the model is used to derive annual forecasts. However, in recent proceedings Elenchus has been involved in, intervenors and Board Staff have requested MAPE calculated on a monthly basis and this has been provided as well. The MAPE calculated monthly over the period is 4.3%.

Year	GS < 50 kWh		Absolute Error (%)
	Actual	Predicted	
2008	20,275,892	20,051,736	1.1%
2009	20,004,778	20,086,031	0.4%
2010	19,876,348	19,770,916	0.5%
2011	20,088,297	20,009,955	0.4%
2012	20,381,841	19,781,661	2.9%
2013	20,406,290	20,360,416	0.2%
2014	20,089,108	20,476,508	1.9%
2015	19,602,981	20,188,312	3.0%

Mean Absolute Percentage of Error (Annual)	1.3%
Mean Absolute Percentage of Error (Monthly)	4.3%

Table 9 GS < 50 model error

3 WEATHER NORMALIZATION AND ECONOMIC FORECAST

It is not possible to accurately forecast weather for months or years in advance. Therefore, one can only base future weather expectations on what has happened in the past. Individual years may experience unusual spells of weather (unusually cold winter, unusually warm summer, etc.). However, over time, these unusual spells “average” out. While there may be trends over several years (e.g., warmer winters for example), using several years of data rather than one particular year filters out the extremes of any particular year. While there are several different approaches to determining an appropriate weather normal, Now Inc. has adopted the most recent 10 year monthly degree day average as the definition of weather normal, which to our knowledge, is consistent with many LDCs load forecast filings for cost-of-service rebasing applications.

The table below displays the most recent 10 year average of heating degree days and cooling degree days as reported by Environment Canada for Timmins Airport, which is used as the weather station for Now Inc.

10 Year Average

		HDD	CDD
Timmins Airport	January	1035.18	0
Timmins Airport	February	937.08	0
Timmins Airport	March	773.14	0.14
Timmins Airport	April	490.04	0.16
Timmins Airport	May	249.86	7.95
Timmins Airport	June	100.25	18.03
Timmins Airport	July	49.4	38.42
Timmins Airport	August	76.26	24.46
Timmins Airport	September	191.69	6.89
Timmins Airport	October	404.82	0.68
Timmins Airport	November	606.4	0
Timmins Airport	December	897.86	0

Table 10 10 Year Average HDD and CDD

As part of the minimum filing requirements the OEB has requested monthly degree days calculated using a trend based on 20 years. This is shown in the table below.

20 Year Trend (2017)

		HDD	CDD
Timmins Airport	January	1049.06	0.00
Timmins Airport	February	966.99	0.00
Timmins Airport	March	777.60	0.23
Timmins Airport	April	503.87	0.20
Timmins Airport	May	241.87	8.09
Timmins Airport	June	106.30	12.43
Timmins Airport	July	49.08	40.85
Timmins Airport	August	67.62	25.50
Timmins Airport	September	184.45	8.59
Timmins Airport	October	400.71	0.89
Timmins Airport	November	600.10	0.00
Timmins Airport	December	901.92	0.00

Table 11 20 Year Trend HDD and CDD

4 CLASS SPECIFIC NORMALIZED FORECASTS

4.1 RESIDENTIAL

Incorporating the forecast economic variables, 10-yr weather normal heating and cooling degree days, and calendar variables, the following weather corrected consumption and forecast values are calculated:

Residential kWh				
Year	Actual	Annual Change	Normalized	Annual Change
2008	41,965,837		42,688,782	
2009	42,988,146	2.4%	42,508,573	-0.4%
2010	41,640,773	-3.1%	42,328,364	-0.4%
2011	41,936,263	0.7%	42,148,154	-0.4%
2012	41,580,385	-0.8%	41,967,945	-0.4%
2013	43,317,250	4.2%	41,787,736	-0.4%
2014	42,817,440	-1.2%	41,607,527	-0.4%
2015	41,096,056	-4.0%	41,427,318	-0.4%
2016			41,247,109	-0.4%
2017			41,066,900	-0.4%

Table 12 Actual vs Normalized Residential kWh

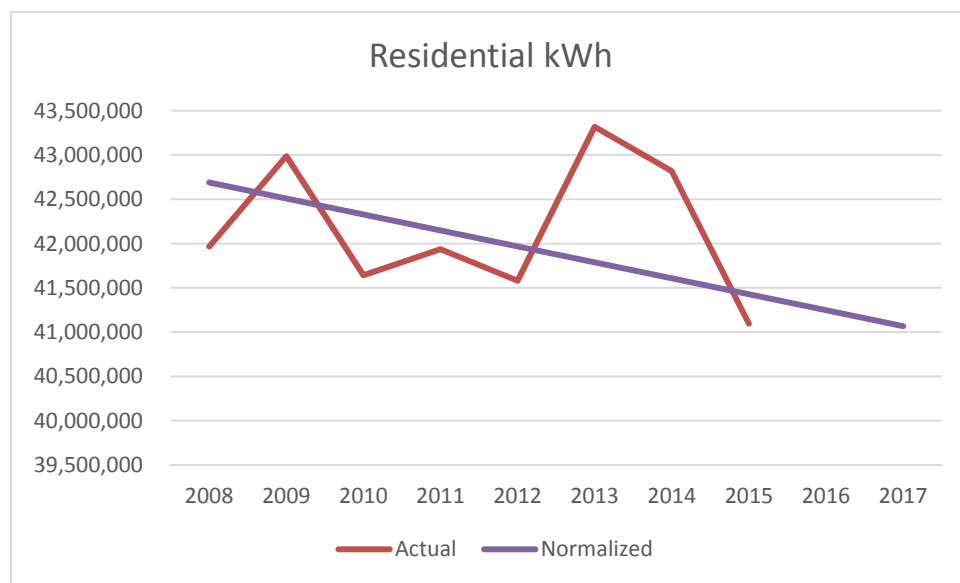


Figure 3 Actual vs Normalized Residential kWh

While Residential customer counts are not a component of the regression model, they are forecasted for the purpose of rate setting. The Geometric mean of the annual growth from 2009 to 2014 was used to forecast the growth rate from 2016 to 2017.

The following table includes the year-end customer Actual / Forecast customer count on this basis:

Year	Residential Customers	Annual Change
2008		
2009	5,227	
2010	5,192	-0.67%
2011	5,241	0.94%
2012	5,249	0.15%
2013	5,249	0.00%
2014	5,237	-0.23%
2015	5,219	-0.34%
2016	5,218	-0.03%
2017	5,216	-0.03%

Table 13 Forecasted Residential Customer Count

4.2 GS < 50

Year	Actual	GS < 50 kWh Annual Change	Normalized	Annual Change
2008	20,275,892		20,090,477	0.9%
2009	20,004,778	-1.3%	20,051,827	-0.2%
2010	19,876,348	-0.6%	20,051,827	0.0%
2011	20,088,297	1.1%	20,013,177	-0.2%
2012	20,381,841	1.5%	20,051,827	0.2%
2013	20,406,290	0.1%	20,051,827	0.0%
2014	20,089,108	-1.6%	20,090,477	0.2%
2015	19,602,981	-2.4%	20,051,827	-0.2%
2016			20,013,177	-0.2%
2017			20,013,177	0.0%

Table 14 Actual vs Normalized GS < 50 kWh

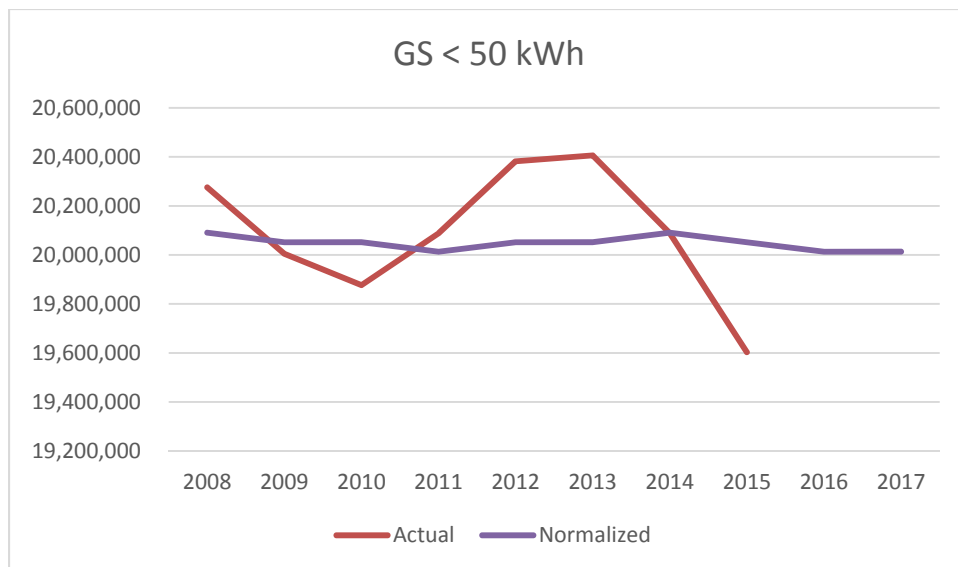


Figure 4 Actual vs Normalized GS < 50 kWh

While GS < 50 customer counts are not a component of the regression model, they are forecasted for the purpose of rate setting. The Geometric mean of the annual growth from 2009 to 2015 was used to forecast the growth rate from 2016 to 2017.

The following table includes the year-end customer Actual / Forecast customer count on this basis:

Year	GS < 50 Customers	Annual Change
2008		
2009	787	
2010	773	-1.78%
2011	771	-0.26%
2012	751	-2.59%
2013	748	-0.40%
2014	755	0.94%
2015	785	3.97%
2016	785	-0.04%
2017	784	-0.04%

Table 15 Forecasted GS < 50 Customer Count*

4.3 GS > 50

The GS > 50 rate class is not weather sensitive. Due to the loss of a major customer, usage prior to 2014 is not reflective of the expected load going forward. The GS > 50 forecast was calculated as an average of the 2014-2015 Actual usage.

The following table includes the year-end customer Actual / Forecast customer count on this basis:

GS > 50 kWh		
Year	Actual	Annual Change
2008	57,942,178	
2009	58,024,756	0.1%
2010	60,535,990	4.3%
2011	51,199,910	-15.4%
2012	54,630,822	6.7%
2013	61,406,393	12.4%
2014	55,041,599	-10.4%
2015	59,289,165	7.7%
Forecast		
2016	57,165,382	-3.6%
2017	57,165,382	0.0%

Table 16 Actual vs Forecast GS > 50 kWh

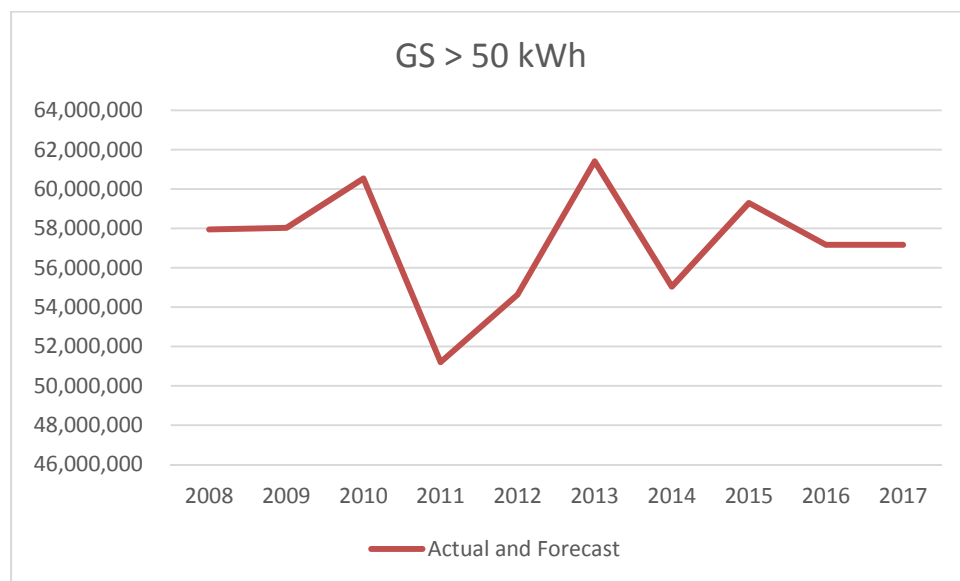


Figure 5 Actual vs Normalized GS > 50 kWh

GS > 50 customer counts are forecasted for the purpose of rate setting. The Geometric mean of the annual growth from 2008 to 2015 was used to forecast the growth rate from 2016 to 2017.

GS > 50		Annual
Year	Customers	Change
2008		
2009	70	
2010	69	-1.43%
2011	70	1.45%
2012	68	-2.86%
2013	68	0.00%
2014	70	2.94%
2015	71	1.43%

2016 71 0.24%
2017 71 0.24%

Table 17 Forecasted GS > 50 Customer Count*

In order to normalize and forecast class kW for those classes that bill based on kW (demand) billing determinants, the relationship between billed kW and kWh is used. Due to the loss of the major customer, the average ratio from 2014-2015 is used to forecast kW for all future years.

GS>50

Year	kWh Actual A	Ratio C = B / A	kW Actual B
2008	57,942,178	0.002685	155,589
2009	58,024,756	0.002899	168,237
2010	60,535,990	0.003019	182,783
2011	51,199,910	0.003269	167,396
2012	54,630,822	0.003064	167,376
2013	61,406,393	0.003121	191,639
2014	55,041,599	0.003007	165,499
2015	59,289,165	0.0029	171,931

kWh Normalized

	D	E	F = D * E
2016	57,165,382	0.002953	168,829
2017	57,165,382	0.002953	168,829

Table 18 Forecasted GS > 50 kW

5 STREET LIGHT AND USL FORECAST

The Street Lighting and Unmetered Scattered Load Classes are non-weather sensitive classes. The tables below summarize the historic annual energy consumption for both classes and the anticipated consumption in the forecast period.

All three municipalities Cochrane, Iroquois Falls, and Kapuskasing in the Now Inc. service territory have conducted an LED conversion project – with significant conversions up until June, 2015. Only a handful of non-LED lights have remained since July 2015.

The USL class has exhibited no change in connection counts since 2013. The connection counts are forecasted to remain the same into 2017.

Street Light	Lamps / Devices	Annual Change
Year		
2008		
2009	1,546	
2010	1,546	0.00%
2011	1,546	0.00%
2012	1,580	2.20%
2013	1,593	0.82%
2014	1,600	0.44%
2015	1,650	3.13%
2016	1,650	0.00%
2017	1,650	0.00%

Table 19 Forecasted Street Light lamps (devices)

USL	Connections	Annual Change
Year		
2008		
2009	15	
2010	15	0.00%
2011	18	20.00%
2012	23	27.78%
2013	23	0.00%
2014	23	0.00%
2015	23	0.00%
2016	23	0.00%
2017	23	0.00%

Table 20 Forecasted USL connections

Year	Street Light Actual	Normalized
2008	1,751,397	1,751,397
2009	1,558,062	1,558,062
2010	1,548,998	1,548,998
2011	1,610,563	1,610,563
2012	1,543,417	1,543,417
2013	1,531,779	1,531,779
2014	1,400,857	1,400,857
2015	745,147	745,147
2016		556,610
2017		556,610

Table 21 Forecasted Street Light kWh

Causation for changes in USL demand energy, is typically based on connection counts, changes in equipment, and re-classifications. Of these, only changes in connection counts can reasonably be forecasted, and they are forecasted to remain constant. In forecasting USL, the full years 2013-2015 was used as the basis for forecasting USL energy going forward.

USL		
Year	Actual	Normalized
2008	109,743	
2009	130,017	
2010	129,269	
2011	127,637	
2012	146,700	
2013	166,144	165,218
2014	161,162	165,218
2015	168,348	165,218
2016		165,218
2017		165,218

Table 22 Forecasted USL kWh

Street Light			
Year	kWh	Ratio	kW
	Actual		Actual
	A	C = B / A	B
2008	1,751,397	0.002863	5,014
2009	1,558,062	0.002527	3,938
2010	1,548,998	0.002997	4,643
2011	1,610,563	0.002679	4,315
2012	1,543,417	0.002853	4,403
2013	1,531,779	0.002811	4,306
2014	1,400,857	0.00288	4,034
2015	745,147	0.002665	1,986

kWh Normalized

			F = D *
	D	E	E
2016	556,610	0.002665	1,576
2017	556,610	0.002665	1,576

Table 23 Forecasted Street Light kW

6 CDM ADJUSTMENT TO LOAD FORECAST

The current Chapter 2 OEB Minimum Filing requirements, consistent with the Board's CDM Guideline EB-2012-0003, expects the distributor to integrate an adjustment into its load forecast that takes into account the six-year (2015-2020) targets for kWh and kW reductions.

The filing requirements note that the distributors license condition targets and the LRAMVA balances are based on the IESO targets, which are annualized. It is recognized that the CDM programs in a year are not in effect for the full year, although persistence of previous year's programs will be. Therefore, the actual impact on the load forecast for the first year of the program should not be the full annualized amount. For this reason, the amount that will be used for the LRAMVA will be related to, but not necessarily equal to, the CDM adjustment for the load forecast.

The following table shows Now Inc.'s proposed annual CDM targets.

6 Year (2015-2020) kWh Target:							
4,310,000							
	2015	2016	2017	2018	2019	2020	Total
	%						
2015 CDM Programs	3.88%	3.80%	3.72%	3.64%	3.56%	3.48%	22.09%
2016 CDM Programs		5.19%	5.19%	5.19%	5.19%	5.19%	25.97%
2017 CDM Programs			5.19%	5.19%	5.19%	5.19%	20.78%
2018 CDM Programs				5.19%	5.19%	5.19%	15.58%
2019 CDM Programs					5.19%	5.19%	10.39%
2020 CDM Programs						5.19%	5.19%
Total in Year	3.88%	9.00%	14.11%	19.22%	24.34%	29.45%	100.00%
kWh							
2015 CDM Programs	567,895	556,262	544,630	532,997	521,365	509,732	3,232,881
2016 CDM Programs		760,054	760,054	760,054	760,054	760,054	3,800,268
2017 CDM Programs			760,054	760,054	760,054	760,054	3,040,214
2018 CDM Programs				760,054	760,054	760,054	2,280,161
2019 CDM Programs					760,054	760,054	1,520,107
2020 CDM Programs						760,054	760,054
Total in Year	567,895	1,316,316	2,064,737	2,813,158	3,561,579	4,310,000	14,633,685

Table 24 Proposed CDM Targets

The following is the proposed allocation of the CDM kWh load forecast adjustment and final proposed load forecast, based on a half-year of savings from 2015, a full year of savings from 2016, and a half year of savings from 2017. The IESO verified savings persisting to 2020, as well as the 2015-2020 Draft Historic Target and Budget Analysis dated July, 2014 informed the Residential and General Service apportionment of the target. The class volumes were used for the GS < 50 and GS > 50 apportionment of the General Service portion of the target.

Retail kWh	Weather Normalized 2017 (Elenchus) A	CDM Load Forecast Adjustment B	2015 CDM Adjusted Load Forecast C=A-B
Residential (kWh)	41,066,900	362,099	40,704,801
GS<50 (kWh)	20,013,177	272,352	19,740,824
GS>50 (kW)	57,165,382	777,944	56,387,438
Total Customer (kWh)	118,245,459	1,412,395	116,833,063

Table 25 Proposed CDM Adjustment

In order to calculate the kW Elenchus proposes using a proportional ratio utilizing the base load forecast kW and kWh.

Retail kW	Weather Normalized 2017 (Elenchus) D	CDM Load Forecast Adjustment E = D / A * B	2015 CDM Adjusted Load Forecast F = D - E
GS>50 (kW)	168,829	2,298	166,531
Total Customer (kW)	168,829	2,298	166,531

Table 26 Proposed kW CDM adjustment

For 2017 LRAMVA Elenchus reasons that the effects of 2015-2017 IESO CDM programs should be included in the LRAMVA calculation. In particular, full years of 2015-2017 are included.

kWh	Weather Normalized 2017 (Elenchus) A	LRAMVA (kWh) B
Residential (kWh)	41,066,900	541,840
GS<50 (kWh)	20,013,177	394,903
GS>50 (kW)	57,165,382	1,127,995
Total Customer (kWh)	118,245,459	2,064,737

Table 27 LRAMVA kWh threshold by class

kW	Weather Normalized 2017 (Elenchus) C	LRAMVA (kW) D = C / A * B
GS>50 (kW)	168,829	3,331
Total Customer (kW)	168,829	3,331

* Note that LRRAMVA kW is the proportional LF kW over LF kWh times kWh LRAMVA

Table 28 LRAMVA kW threshold by class

Appendix 2-IB

Customer, Connections, Load Forecast and Revenues Data and Analysis

This sheet is to be filled in accordance with the instructions documented in section 2.3.2 of Chapter 2 of the Filing Requirements for Distribution Rate Applications, in terms of one set of tables per customer class.

Color coding for Cells:

	Data input		Drop-down List
	No data entry required		Blank or calculated value

Distribution System (Total)

	Calendar Year (for 2017 Cost of Service)		Consumption (kWh) ⁽³⁾			
				Actual (Weather actual)	Weather- normalized	Weather- normalized
Historical	2011		Actual	114,962,670	115,099,441	
Historical	2012		Actual	118,283,165	118,340,711	
Historical	2013		Actual	126,827,856	124,943,879	Board-approved
Historical	2014		Actual	119,510,166	118,301,622	
Historical	2015		Actual	117,901,697	121,681,805	
Bridge Year	2016		Forecast		119,147,496	
Test Year	2017		Forecast		118,967,287	

Variance Analysis	Year	Year-over-year		Versus Board- approved
	2011			
	2012	2.9%	2.8%	
	2013	7.2%	5.6%	
	2014	-5.8%	-5.3%	
	2015	-1.3%	2.9%	
	2016		-2.1%	
	2017		-0.2%	0.6%
	Geometric Mean		97.4%	0.2%

Customer Class Analysis (one for each Customer Class, excluding MicroFIT and Standby)

1 Customer Class: **Residential**

Is the customer class billed on consumption (kWh) or demand (kW or kVA)?

kWh

	Calendar Year (for 2017 Cost of Service)	Customers			Consumption (kWh) ⁽³⁾				Consumption (kWh) per Customer			
					Actual (Weather actual)	Weather- normalized	Weather- normalized		Actual (Weather actual)	Weather- normalized	Weather- normalized	
Historical	2011	Actual	5,241	Board-approved	Actual	41,936,263	42,148,154	Board-approved	Actual	8001.5766	8042.00611	Board-approved
Historical	2012	Actual	5,249		Actual	41,580,385	41,967,945		Actual	7921.5822	7995.41722	
Historical	2013	Actual	5,249		Actual	43,317,250	41,787,736		Actual	8252.4767	7961.08516	
Historical	2014	Actual	5,237		Actual	42,817,440	41,607,527		Actual	8175.9481	7944.91636	
Historical	2015	Actual	5,219		Actual	41,096,056	41,427,318		Actual	7874.3162	7937.78847	
Bridge Year	2016	Forecast	5,218		Forecast		41,247,109		Forecast	0	7904.77367	
Test Year	2017	Forecast	5,216		Forecast		41,066,900		Forecast	0	7873.25537	

Variance Analysis				Test Year Versus Board- approved				Test Year Versus Board- approved				Test Year Versus Board- approved
	Year	Year-over-year			Year	Year-over-year			Year	Year-over-year		
	2011				2011				2011			
	2012	0.2%			2012	-0.8%	-0.4%		2012	-1.0%	-0.6%	
	2013	0.0%			2013	4.2%	-0.4%		2013	4.2%	-0.4%	
	2014	-0.2%			2014	-1.2%	-0.4%		2014	-0.9%	-0.2%	
	2015	-0.3%			2015	-4.0%	-0.4%		2015	-3.7%	-0.1%	
	2016	0.0%			2016		-0.4%		2016		-0.4%	
	2017	0.0%			2017		-0.4%		2017		-0.4%	
	Geometric Mean			-0.7%	Geometric Mean			-3.4%	Geometric Mean			-2.6%
				-0.2%		102.1%		-1.1%		101.7%		-0.9%
				#NUM!								

	Calendar Year (for 2017 Cost of Service)	Revenues			
		Actual		Board-approved	
Historical	2011	Actual	\$ 1,663,929	Board-approved	\$ 1,868,695
Historical	2012	Actual	\$ 1,705,711		
Historical	2013	Actual	\$ 1,863,355		
Historical	2014	Actual	\$ 1,958,674		
Historical	2015	Actual	\$ 1,959,913		
Bridge Year (Forecast)	2016	Forecast	\$ 2,025,777		
Test Year (Forecast)	2017	Forecast	\$ 2,381,807		

Variance Analysis	Year	Year-over-year	Test Year Versus Board- approved
	2011		
	2012	2.5%	
	2013	9.2%	
	2014	5.1%	
	2015	0.1%	
	2016	3.4%	
	2017	17.6%	
	Geometric Mean	2.8%	8.4%

2 Customer Class: **GS < 50 kW**

Is the customer class billed on consumption (kWh) or demand (kW or kVA)?

kWh

	Calendar Year (for 2017 Cost of Service)	Customers			Consumption (kWh) ⁽³⁾			Consumption (kWh) per Customer		
		Actual			Actual (Weather actual)	Weather- normalized	Weather- normalized	Actual (Weather actual)	Weather- normalized	Weather- normalized
Historical	2011	Actual	771	Board-approved	Actual	20,088,297	20,013,177	Actual	26054.86	25957.428
Historical	2012	Actual	751		Actual	20,381,841	20,051,827	Actual	27139.602	26700.1691
Historical	2013	Actual	748		Actual	20,406,290	20,051,827	Actual	27281.136	26807.2553
Historical	2014	Actual	755		Actual	20,089,108	20,090,477	Actual	26608.09	26609.9033
Historical	2015	Actual	785		Actual	16,602,981	20,051,827	Actual	21150.294	25543.7287
Bridge Year	2016	Forecast	785		Forecast		20,013,177	Forecast	0	25494.493
Test Year	2017	Forecast	784		Forecast			Forecast	0	25527.0115

Variance Analysis	Year	Year-over-year	Test Year Versus Board- approved	Year	Year-over-year	Test Year Versus Board- approved	Year	Year-over-year	Test Year Versus Board- approved
	2011			2011			2011		
	2012	-2.6%		2012	1.5%		2012	4.2%	
	2013	-0.4%		2013	0.1%		2013	0.5%	
	2014	0.9%		2014	-1.6%		2014	-2.5%	
	2015	4.0%		2015	-17.4%		2015	-20.5%	
	2016	0.0%		2016	-0.2%		2016	-0.2%	
	2017	-0.1%	2.2%	2017	0.0%	0.6%	2017	0.1%	-1.6%
	Geometric Mean	#NUM!	0.7%	Geometric Mean	100.0%	0.2%	Geometric Mean	101.3%	-0.5%

	Calendar Year (for 2017 Cost of Service)	Revenues		
		Actual		
Historical	2011	Actual	\$ 476,997	Board-approved
Historical	2012	Actual	\$ 487,643	
Historical	2013	Actual	\$ 520,141	
Historical	2014	Actual	\$ 546,480	
Historical	2015	Actual	\$ 548,601	
Bridge Year (Forecast)	2016	Forecast	\$ 582,512	
Test Year (Forecast)	2017	Forecast	\$ 681,824	

Variance Analysis	Year	Year-over-year	Test Year Versus Board- approved
	2011		
	2012	2.2%	
	2013	6.7%	
	2014	5.1%	
	2015	0.4%	
	2016	6.2%	
	2017	17.0%	38.1%
	Geometric Mean	3.8%	11.4%

3 Customer Class: **GS > 50 kW**

Is the customer class billed on consumption (kWh) or demand (kW or kVA)?

kW

	Calendar Year (for 2017 Cost of Service)	Customers			Consumption (kWh) ⁽³⁾			Consumption (kWh) per Customer		
		Actual			Actual (Weather actual)	Weather- normalized	Weather- normalized	Actual (Weather actual)	Weather- normalized	Weather- normalized
Historical	2011	Actual	70	Board-approved	Actual	51,199,910	51,199,910	Actual	731427.29	731427.286
Historical	2012	Actual	68		Actual	54,630,822	54,630,822	Actual	803394.44	803394.441
Historical	2013	Actual	68		Actual	61,406,393	61,406,393	Actual	903035.19	903035.191
Historical	2014	Actual	60		Actual	55,041,599	55,041,599	Actual	917359.98	917359.983
Historical	2015	Actual	71		Actual	59,289,165	59,289,165	Actual	835058.66	835058.662
Bridge Year	2016	Forecast	71		Forecast			Forecast	0	805146.225
Test Year	2017	Forecast	71		Forecast	57,165,382		Forecast	0	805146.225

Variance Analysis	Year	Year-over-year	Test Year Versus Board- approved	Year	Year-over-year	Test Year Versus Board- approved	Year	Year-over-year	Test Year Versus Board- approved
	2011			2011			2011		
	2012	-2.9%		2012	6.7%	6.7%	2012	9.8%	9.8%
	2013	0.0%		2013	12.4%	12.4%	2013	12.4%	12.4%
	2014	-11.8%		2014	-10.4%	-10.4%	2014	1.6%	1.6%
	2015	18.3%		2015	7.7%	7.7%	2015	-9.0%	-9.0%
	2016	0.0%		2016	-3.6%	-3.6%	2016	-3.6%	-3.6%
	2017	0.0%	1.4%	2017	0.0%	5.5%	2017	0.0%	4.0%
	Geometric Mean	#NUM!	0.5%	Geometric Mean	91.6%	1.8%	Geometric Mean	92.6%	1.3%

	Calendar Year (for 2017 Cost of Service)	Revenues			Demand (kW)			Demand (kW) per Customer		
		Actual			Actual (Weather actual)	Weather- normalized	Weather- normalized	Actual (Weather actual)	Weather- normalized	Weather- normalized
Historical	2011	Actual	\$ 262,659	Board-approved	Actual	167,396	167,396	Actual	0.637313	0.63731302
Historical	2012	Actual	\$ 272,698		Actual	167,376	167,376	Actual	0.6137779	0.61377788
Historical	2013	Actual	\$ 274,394		Actual	191,639	191,639	Actual	0.6984081	0.69840813
Historical	2014	Actual	\$ 224,978		Actual	165,499	165,499	Actual	0.735623	0.73562304
Historical	2015	Actual	\$ 265,937		Actual	171,931	171,931	Actual	0.6465103	0.64651026
Bridge Year (Forecast)	2016	Forecast	\$ 272,177		Forecast		168,829	Forecast	0	0.62029121
Test Year (Forecast)	2017	Forecast	\$ 318,652		Forecast		168,829	Forecast	0	0.5298225

Variance Analysis	Year	Year-over-year	Test Year Versus Board- approved	Year	Year-over-year	Test Year Versus Board- approved	Year	Year-over-year	Test Year Versus Board- approved
	2011			2011			2011		
	2012	3.8%		2012	0.0%	0.0%	2012	-3.7%	-3.7%
	2013	0.6%		2013	14.5%	14.5%	2013	13.8%	13.8%
	2014	-18.0%		2014	-13.6%	-13.6%	2014	5.3%	5.3%
	2015	18.2%		2015	3.9%	3.9%	2015	-12.1%	-12.1%
	2016	2.3%		2016	-1.8%	-1.8%	2016	-4.1%	-4.1%
	2017	17.1%	-1.8%	2017	0.0%	-10.4%	2017	-14.6%	-8.8%
	Geometric Mean	#NUM!	-0.6%	Geometric Mean	#NUM!	-3.6%	Geometric Mean	115.9%	-3.0%

4 Customer Class: **Streetlighting**

Is the customer class billed on consumption (kWh) or demand (kW or kVA)?

kW

	Calendar Year (for 2017 Cost of Service)	Customers			Consumption (kWh) ⁽³⁾			Consumption (kWh) per Customer		
					Actual (Weather actual)	Weather- normalized	Weather- normalized	Actual (Weather actual)	Weather- normalized	Weather- normalized
Historical	2011	Actual	1,546	Board-approved	Actual	1,610,563	1,610,563	Actual	1041.7613	1041.76132
Historical	2012	Actual	1,580		Actual	1,543,417	1,543,417	Actual	976.8462	976.846203
Historical	2013	Actual	1,593		Actual	1,531,779	1,531,779	Actual	961.56874	961.568738
Historical	2014	Actual	1,600		Actual	1,400,857	1,400,857	Actual	875.53563	875.535625
Historical	2015	Actual	1,650		Actual	745,147	745,147	Actual	451.60424	451.604242
Bridge Year	2016	Forecast	1,650		Forecast		556,610	Forecast	0	337.339394
Test Year	2017	Forecast	1,650		Forecast		556,610	Forecast	0	337.339394

Variance Analysis	Year	Year-over-year	Test Year Versus Board- approved	Year	Year-over-year	Test Year Versus Board- approved	Year	Year-over-year	Test Year Versus Board- approved
	2011			2011			2011		
	2012	2.2%		2012	-4.2%		2012	-6.2%	
	2013	0.8%		2013	-0.8%		2013	-1.6%	
	2014	0.4%		2014	-8.5%		2014	-8.9%	
	2015	3.1%		2015	-46.8%		2015	-48.4%	
	2016	0.0%		2016	-25.3%		2016	-25.3%	
	2017	0.0%		2017	0.0%		2017	0.0%	
	Geometric Mean	#NUM!	2.2%	Geometric Mean	234.0%	-29.6%	Geometric Mean	246.5%	-31.1%

	Calendar Year (for 2017 Cost of Service)	Revenues			Demand (kW)			Demand (kW) per Customer		
					Actual (Weather actual)	Weather- normalized	Weather- normalized	Actual (Weather actual)	Weather- normalized	Weather- normalized
Historical	2011	Actual	\$ 123,471	Board-approved	Actual	4,315	4,315	Actual	0.0349475	0.03494748
Historical	2012	Actual	\$ 125,392		Actual	4,403	4,403	Actual	0.0351139	0.03511388
Historical	2013	Actual	\$ 142,716		Actual	4,306	4,306	Actual	0.0301718	0.03017181
Historical	2014	Actual	\$ 155,831		Actual	4,034	4,034	Actual	0.025887	0.02588702
Historical	2015	Actual	\$ 135,458		Actual	1,986	1,986	Actual	0.0146614	0.01466137
Bridge Year (Forecast)	2016	Forecast	\$ 147,059		Forecast		1,576	Forecast	0	0.01071679
Test Year (Forecast)	2017	Forecast	\$ 173,525		Forecast		1,576	Forecast	0	0.00908226

Variance Analysis	Year	Year-over-year	Test Year Versus Board- approved	Year	Year-over-year	Test Year Versus Board- approved	Year	Year-over-year	Test Year Versus Board- approved
	2011			2011			2011		
	2012	1.6%		2012	2.0%		2012	0.5%	
	2013	13.8%		2013	-2.2%		2013	-14.1%	
	2014	9.2%		2014	-6.3%		2014	-14.2%	
	2015	-13.1%		2015	-50.8%		2015	-43.4%	
	2016	8.6%		2016	-20.6%		2016	-26.9%	
	2017	18.0%		2017	0.0%		2017	-15.3%	
	Geometric Mean	#NUM!	-8.3%	Geometric Mean	#NUM!	-28.3%	Geometric Mean	293.9%	-21.8%

5 Customer Class: **Unmetered Scattered Load**

Is the customer class billed on consumption (kWh) or demand (kW or kVA)?

kWh

	Calendar Year (for 2017 Cost of Service)	Customers			Consumption (kWh) ⁽³⁾				Consumption (kWh) per Customer			
					Actual (Weather actual)	Weather- normalized		Weather- normalized	Actual (Weather actual)	Weather- normalized		Weather- normalized
Historical	2011	Actual	18		Actual	127,637	127,637		Actual	7090.9444	7090.94444	
Historical	2012	Actual	23		Actual	146,700	146,700		Actual	6378.2609	6378.26087	
Historical	2013	Actual	23	Board-approved	Actual	166,144	166,144	Board-approved	Actual	7223.6522	7223.65217	Board-approved 7017.277778
Historical	2014	Actual	23		Actual	161,162	161,162		Actual	7007.0435	7007.04348	
Historical	2015	Actual	23		Actual	168,348	168,348		Actual	7319.4783	7319.47826	
Bridge Year	2016	Forecast	23		Forecast		165,218		Forecast	0	7183.3913	
Test Year	2017	Forecast	23		Forecast		165,218		Forecast	0	7183.3913	

Variance Analysis	Year	Year-over-year	Test Year Versus Board- approved	Year	Year-over-year	Test Year Versus Board- approved	Year	Year-over-year	Test Year Versus Board- approved
	2011			2011			2011		
	2012	27.8%		2012	14.9%	14.9%	2012	-10.1%	-10.1%
	2013	0.0%		2013	13.3%	13.3%	2013	13.3%	13.3%
	2014	0.0%		2014	-3.0%	-3.0%	2014	-3.0%	-3.0%
	2015	0.0%		2015	4.5%	4.5%	2015	4.5%	4.5%
	2016	0.0%		2016	-1.9%	-1.9%	2016	-1.9%	-1.9%
	2017	0.0%	27.8%	2017	0.0%	30.8%	2017	0.0%	2.4%
	Geometric Mean	#NUM!	8.5%	Geometric Mean	81.3%	9.4%	Geometric Mean	99.0%	0.8%

	Calendar Year (for 2017 Cost of Service)	Revenues		
Historical	2011	Actual	\$ 4,379	
Historical	2012	Actual	\$ 4,821	
Historical	2013	Actual	\$ 5,931	Board-approved \$ 5,244.00
Historical	2014	Actual	\$ 6,310	
Historical	2015	Actual	\$ 6,546	
Bridge Year (Forecast)	2016	Forecast	\$ 6,725	
Test Year (Forecast)	2017	Forecast	\$ 7,759	

Variance Analysis	Year	Year-over-year	Test Year Versus Board- approved
	2011		
	2012	10.1%	
	2013	23.0%	
	2014	6.4%	
	2015	3.7%	
	2016	2.7%	
	2017	15.4%	48.0%
	Geometric Mean	7.8%	14.0%



CDM ADJUSTMENT

NOW Inc. has based its planned CDM on the assumption of equal program delivery in all years 2016-2020, and 100% persistence of these programs until 2020. For 2015 program delivery, NOW Inc. has relied on the verified savings reported by the IESO. In that report, 509,732 kWh from its 2015 CDM program delivery is counted towards the 2015-2020 target, leaving 3,800,268 kWh to be achieved due to programs delivered 2016-2020, or 760,054 kWh per year.

The IESO report provided verified savings of 567,895 kWh from 2015 CDM program delivery in 2015, of which 509,732 kWh are persisting to 2020. The IESO only counts the savings which will be persisting into 2020 as counting towards the 2015-2020 target. Therefore, only 509,732 kWh is counted as completed towards the target. In order to be consistent with this methodology, NOW Inc. is planning to deliver CDM programs that achieve a total savings of 4,310,000 kWh in 2020.

In order to arrive at CDM program delivery and CDM savings in the years leading up to 2020, NOW Inc. has relied on the assumption that programs delivered in 2016-2020 will have 100% persistence until 2020. For programs delivered in 2015, the IESO has provided persistence values for 2015 and 2020. NOW Inc. has assumed a linear decline in persistence over the time period.

Attachment 1 provides the OEB Appendix 2-I Load Forecast CDM Adjustment Workform. Please see Attachment 2 for details on NOW Inc.'s allocated target and budget for the 2015-2020 CDM Framework as per the OPA/IESO.



Page 1 of 1

6 Year (2015-2020) kWh Target:							
4,310,000							
2015	2016	2017	2018	2019	2020	Total	
%							
2015 CDM Programs	3.88%	3.80%	3.72%	3.64%	3.56%	3.48%	22.09%
2016 CDM Programs		5.19%	5.19%	5.19%	5.19%	5.19%	25.97%
2017 CDM Programs			5.19%	5.19%	5.19%	5.19%	20.78%
2018 CDM Programs				5.19%	5.19%	5.19%	15.58%
2019 CDM Programs					5.19%	5.19%	10.39%
2020 CDM Programs						5.19%	5.19%
Total in Year	3.88%	9.00%	14.11%	19.22%	24.34%	29.45%	100.00%
kWh							
2015 CDM Programs	567,895.00	556,262.40	544,629.80	532,997.20	521,364.60	509,732.00	3,232,881.00
2016 CDM Programs		760,053.60	760,053.60	760,053.60	760,053.60	760,053.60	3,800,268.00
2017 CDM Programs			760,053.60	760,053.60	760,053.60	760,053.60	3,040,214.40
2018 CDM Programs				760,053.60	760,053.60	760,053.60	2,280,160.80
2019 CDM Programs					760,053.60	760,053.60	1,520,107.20
2020 CDM Programs						760,053.60	760,053.60
Total in Year	567,895.00	1,316,316.00	2,064,737.00	2,813,158.00	3,561,579.00	4,310,000.00	14,633,685.00

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In preparing the 2017 CDM adjusted load forecast and LRAMVA target, Elenchus relied upon projected CDM program delivery and persistence into 2017. For the CDM adjustment, Elenchus included half of the savings in 2015, a full year of the savings from 2016 programs, and a half-year of savings from 2017 program delivery. The LRAMVA target is set using full years of program delivery 2015-2017, therefore 2,064,737 kWh is realized in – the amount of CDM program delivery 2015-2017 which persists into 2017.

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Appendix 2-I
Load Forecast CDM Adjustment Work Form (2017)

Appendix 2-1 was initially developed to help determine what would be the amount of CDM savings needed in each year to cumulatively achieve the four year 2011-2014 CDM target. This then determined the amount of kWh (and with translation, kW of demand) savings that were converted into dollar balances for the LRAMVA, and also to determine the related adjustment to the load forecast to account for OPA-reported savings. Beginning for the 2015 year, it has been adjusted because the persistence of 2011-2014 CDM programs will be an adjustment to the load forecast in addition to the estimated savings for the first year (2015) for the new 2015-2020 CDM plan.

2017 is the third year of the six-year (2015-2020) Conservation First program. Final results for the 2011-14 program were issued in the fall of 2015, and the program is completed, although in some instances disposition of the amounts has been deferred. For the purposes of the 2015-2020 LRAMVA, and the impact of CDM on the load forecast, CDM programs in 2014 and earlier are implicit in the historical data on which the base load forecast is developed. Only impacts of 2015 to 2017 CDM programs need to be reflected in the manual load forecast adjustment and for the LRAMVA threshold amount in 2017 and carrying forward, although the half-year impact of 2015 CDM programs on the 2015 historical data is also assumed to be reflected in the base load forecast.

The new six year (2015-2020) CDM program works similarly to the previous 2011-2014 CDM program, meaning that distributors will offer programs each year that, over the six years (from January 1, 2015 to December 31, 2020) will strive to cumulatively achieve savings meeting the new six year CDM target. In other words, distributors will be able to offer and execute programs on a basis so that cumulatively over the period, the measured impacts, including persistence, of the CDM programs will accumulate towards achieving each distributor's 2015-2020 CDM target.

2015-2020 CDM Program - 2017, third year of the current CDM plan

For the first year of the new 2015-2020 CDM plan, it is assumed that each year's program will achieve an equal amount of new CDM savings. The new targets for 2015-2020 do not take into account persistence beyond the first year, but the IESO will encourage distributors to promote and implement CDM plans that will have longer term persistence of savings. This results in each year's program being about 1/6 (18.67%) of the cumulative 2015-2020 CDM target for kWh savings. A distributor may propose an alternative approach but would be expected to document in its application why it believes that its proposal is more reasonable. In its proposal, the distributor should ensure that the sum of the results for each year's CDM program from 2015 to 2020 add up to its 2015-2020 CDM target as established by the IESO.

6 Year (2015-2020) kWh Target:							
4,310,000							
	2015	2016	2017	2018	2019	2020	Total
	%						
2015 CDM Programs	3.88%	3.80%	3.72%	3.64%	3.56%	3.48%	22.09%
2016 CDM Programs		5.19%	5.19%	5.19%	5.19%	5.19%	25.97%
2017 CDM Programs			5.19%	5.19%	5.19%	5.19%	20.78%
2018 CDM Programs				5.19%	5.19%	5.19%	15.58%
2019 CDM Programs					5.19%	5.19%	10.39%
2020 CDM Programs						5.19%	5.19%
Total in Year	3.88%	9.00%	14.11%	19.22%	24.34%	29.45%	100.00%
	kWh						
2015 CDM Programs	567,895.00	556,262.40	544,629.80	532,997.20	521,364.60	509,732.00	3,232,881.00
2016 CDM Programs		760,053.60	760,053.60	760,053.60	760,053.60	760,053.60	3,800,268.00
2017 CDM Programs			760,053.60	760,053.60	760,053.60	760,053.60	3,040,214.40
2018 CDM Programs				760,053.60	760,053.60	760,053.60	2,280,160.80
2019 CDM Programs					760,053.60	760,053.60	1,520,107.20
2020 CDM Programs						760,053.60	760,053.60
Total in Year	567,895.00	1,316,316.00	2,064,737.00	2,813,158.00	3,561,579.00	4,310,000.00	14,633,685.00

Note: The default formulae in the above table assume that 1/21 of the 2015-2020 kWh CDM target is required each year so that, including persistence, 100% of the kWh target is achieved by the end of 2020. The distributor can input the 2015 CDM savings, including persistence from 2016 to 2020, once the reports become available. The distributor can also input estimates or forecasts of the 2016 and 2017 CDM programs if it believes that these are more realistic; such information would typically be derived from the CDM plans that the distributor has filed with the IESO. Similarly, CDM savings and persistence into future years can be estimated for 2018, 2019 and 2020 CDM programs. However, the distributor will have to support its proposals for estimated or forecasted savings, particularly beyond the 2017 test year. The sum of cumulative savings, including persistence, should equal the target entered into cell A25.

Determination of 2017 Load Forecast Adjustment

The Board determined that the "net" number should be used in its Decision and Order with respect to Centre Wellington Hydro Ltd.'s 2013 Cost of Service rates (EB-2012-0113). This approach has also been used in Settlement Agreements accepted by the Board in other 2013 and 2014 applications. The distributor should select whether the adjustment is done on a "net" or "gross" basis, but must support a proposal for the adjustment being done on a "gross" basis. Sheet 2-I defaults to the adjustment being done on a "net" basis consistent with Board policy and practice.

From each of the 2006-2010 CDM Final Report, and the 2011, 2012, 2013, 2014 and 2015 CDM Final Reports, issued by the OPA/IESO for the distributor, the distributor should input the "gross" and "net" results of the cumulative CDM savings for 2014 into cells D84 to E88. The model will calculate the cumulative savings for all programs from 2006 to 2012 and determine the "net" to "gross" factor "g".

Net-to-Gross Conversion				
Is CDM adjustment being done on a "net" or "gross" basis?				net
Persistence of Historical CDM programs to 2015	"Gross" kWh	"Net" kWh	Difference kWh	"Net-to-Gross" Conversion Factor ('g')
2006-2010 CDM programs				
2011 CDM program				
2012 CDM program				
2013 CDM program				
2014 CDM program				
2015 CDM program				
2006 to 2015 OPA CDM programs: Persistence to 2017	0	0	0	0.00%

The default values below represent the factor used for how each year's CDM program is factored into the manual CDM adjustment. Distributors can choose alternative weights of "0", "0.5" or "1" from the drop-down menu for each cell, but must support its alternatives.

These factors do not mean that CDM programs are excluded, but the assumption that impacts of previous year CDM programs are already implicitly reflected in the actual data for historical years that are used to derive the load forecast prior to any manual CDM adjustment for the 2017 test year.

Weight Factor for Inclusion in CDM Adjustment to 2017 Load Forecast

	2015	2016	2017	2018	2019	2020	
Weight Factor for each year's CDM program impact on 2014 load forecast	0.5	1	0.5	0	0	0	Distributor can select "0", "0.5", or "1" from drop-down list
Default Value selection rationale.	Default is 0, but one option is for full year impact of persistence of 2015 CDM programs on 2017 load forecast, but 50% impact in base forecast (first year impact of 2014 CDM programs on 2014 actuals, which is part of the data for the load forecast.	Full year impact of persistence of 2015 programs on 2015 load forecast. 2015 CDM program impacts are not in the base forecast.	Only 50% of 2016 CDM programs are assumed to impact the 2016 load forecast based on the "half-year" rule.	2018, 2019 and 2020 are future years beyond the 2017 test year. No impacts of CDM programs beyond the 2017 test year are factored into the test year load forecast.			

2015-2020 LRAMVA and 2017 CDM adjustment to Load Forecast

One manual adjustment for CDM impacts to the 2017 load forecast is made. There is a different but related threshold amount that is used for the 2017 LRAMVA amount for Account 1568.

The Amount used for the CDM threshold of the LRAMVA is the kWh that will be used to determine the base amount for the LRAMVA balance for 2017, for assessing performance against the five-year target.

If used to determine the manual CDM adjustment for the system purchased kWh, the proposed loss factor should correspond with the proposed total loss factor calculated in Appendix 2-R

The Manual Adjustment for the 2017 Load Forecast is the amount manually subtracted from the system-wide load forecast (either based on a purchased or billed basis) derived from the base forecast from historical data.

If the distributor has developed their load forecast on a system purchased basis, then the manual adjustment should be on a system purchased basis, including the adjustment for losses. If the load forecast has been developed on a billed basis, either on a system basis or on a class-specific basis, the manual adjustment should be on a billed basis, excluding losses.

The distributor should determine the allocation of the savings to all customer classes in a reasonable manner (e.g. taking into account what programs and what IESO-measured impacts were directed at specific customer classes), for both the LRAMVA and for the load forecast adjustment.

	2015	2016	2017	2018	2019	2020	Total for 2017
Amount used for CDM threshold for LRAMVA (2017)	544,629.80	760,053.60	760,053.60				2,064,737.00
Manual Adjustment for 2017 Load Forecast (billed basis)	272,314.90	760,053.60	380,026.80	-	-	-	1,412,395.30
Proposed Loss Factor (TLF)	6.94%	Format: X.XX%					
Manual Adjustment for 2017 Load Forecast (system purchased basis)	291,213.55	812,801.32	406,400.66	-	-	-	1,510,415.53

Manual adjustment uses "gross" versus "net" (i.e. numbers multiplied by (1 + g). The Weight factor is also used to calculate the impact of each year's program on the CDM adjustment to the 2017 load

LDC CDM Target and Budget Allocations

As of October 31, 2014

This table shows the target and budget each LDC has been allocated using the target and budget allocation methodologies outlined in LDC Target & Budget Allocation Methodology (Summary).

Local Distribution Company	Total 2015-2020 CDM Target (GWh)	Total 2015-2020 CDM Budget (\$)
Algoma Power Inc.	7.51	\$2,107,963
Atikokan Hydro Inc.	1.14	\$311,330
Attawapiskat Power Corporation	0.51	\$148,832
Bluewater Power Distribution Corporation	62.37	\$15,838,687
Brant County Power Inc.	15.95	\$4,109,140
Brantford Power Inc.	54.32	\$14,048,458
Burlington Hydro Inc.	99.04	\$25,825,521
Cambridge and North Dumfries Hydro Inc.	85.00	\$21,763,931
Canadian Niagara Power Inc.	28.48	\$7,355,555
Centre Wellington Hydro Ltd.	8.73	\$2,252,724
Chapleau Public Utilities Corporation	1.05	\$298,764
COLLUS PowerStream Corp.	16.86	\$4,446,841
Cooperative Hydro Embrun Inc.	1.79	\$525,743
E.L.K. Energy Inc.	16.20	\$4,273,057
Enersource Hydro Mississauga Inc.	483.27	\$122,499,403
Entegrus Powerlines Inc.	56.83	\$14,695,867
EnWin Utilities Ltd.	151.30	\$38,421,929
Erie Thames Powerlines Corporation	27.63	\$7,104,954
Espanola Regional Hydro Distribution Corporation	2.41	\$685,489
Essex Powerlines Corporation	31.43	\$8,532,573
Festival Hydro Inc.	34.65	\$8,768,149
Fort Frances Power Corporation	4.00	\$1,109,758
Fort Albany Power Corporation	0.34	\$98,990
Greater Sudbury Hydro Inc.	34.74	\$9,672,498
Grimsby Power Incorporated	10.85	\$2,894,613
Guelph Hydro Electric Systems Inc.	99.04	\$24,920,625
Haldimand County Hydro Inc.	19.85	\$5,410,280
Halton Hills Hydro Inc.	30.94	\$8,387,497
Hearst Power Distribution Company Limited	3.18	\$843,903
Horizon Utilities Corporation	330.68	\$84,830,304
Hydro 2000 Inc.	1.36	\$394,750
Hydro Hawkesbury Inc.	7.92	\$2,139,160
Hydro One Brampton Networks Inc.	255.16	\$66,798,531
Hydro One Networks Inc.	1,159.02	\$321,989,874
Hydro Ottawa Limited	394.54	\$105,242,155

Local Distribution Company	Total 2015-2020 CDM Target (GWh)	Total 2015-2020 CDM Budget (\$)
Innisfil Hydro Distribution Systems Limited	13.01	\$3,680,241
Kenora Hydro Electric Corporation Ltd.	5.27	\$1,407,448
Kashechewan Power Corporation	0.52	\$155,966
Kingston Hydro Corporation	34.50	\$8,674,286
Kitchener-Wilmot Hydro Inc.	105.71	\$27,710,719
Lakefront Utilities Inc.	12.17	\$3,077,834
Lakeland Power Distribution Ltd.	11.32	\$2,970,479
London Hydro Inc.	196.66	\$51,192,690
Midland Power Utility Corporation	10.83	\$2,739,690
Milton Hydro Distribution Inc.	45.36	\$11,911,927
Newmarket-Tay Power Distribution Ltd.	36.24	\$9,649,555
Niagara Peninsula Energy Inc.	74.44	\$19,056,865
Niagara-on-the-Lake Hydro Inc.	11.68	\$2,993,633
Norfolk Power Distribution Inc.	18.85	\$5,056,939
North Bay Hydro Distribution Limited	20.26	\$5,545,424
Northern Ontario Wires Inc.	4.31	\$1,174,934
Oakville Hydro Electricity Distribution Inc.	92.39	\$24,575,982
Orangeville Hydro Limited	14.15	\$3,705,603
Orillia Power Distribution Corporation	16.58	\$4,318,856
Oshawa PUC Networks Inc.	73.01	\$19,963,922
Ottawa River Power Corporation	8.72	\$2,282,373
Parry Sound Power Corporation	4.45	\$1,171,912
Peterborough Distribution Incorporated	37.88	\$9,781,455
PowerStream Inc.	535.44	\$140,696,240
PUC Distribution Inc.	26.41	\$7,440,107
Renfrew Hydro Inc.	4.17	\$1,070,574
Rideau St. Lawrence Distribution Inc.	5.02	\$1,306,239
Sioux Lookout Hydro Inc.	3.70	\$1,016,095
St. Thomas Energy Inc.	17.51	\$4,643,532
Thunder Bay Hydro Electricity Distribution Inc.	48.42	\$12,927,445
Tillsonburg Hydro Inc.	11.31	\$2,881,461
Toronto Hydro-Electric System Limited	1,576.05	\$400,296,506
Veridian Connections Inc.	152.97	\$40,482,340
Wasaga Distribution Inc.	6.32	\$1,814,647
Waterloo North Hydro Inc.	82.38	\$21,192,868
Welland Hydro-Electric System Corp.	25.50	\$6,584,437
Wellington North Power Inc.	5.89	\$1,493,412
West Coast Huron Energy Inc.	8.08	\$2,012,404
Westario Power Inc.	23.01	\$6,101,269
Whitby Hydro Electric Corporation	58.44	\$15,860,460
Woodstock Hydro Services Inc.	22.97	\$5,898,316
TOTAL	7,000.00	\$1,835,264,931

Local Distribution Company	Total 2015-2020 CDM Target (GWh)	Total 2015-2020 CDM Budget (\$)
----------------------------	-------------------------------------	------------------------------------



PASS-THROUGH CHARGES

Pass-through charges for power supply include commodity, retail transmission services, wholesale market service, rural rate protection, and low voltage service. A total loss factor applies to forecast retail volumes for all pass-through charges other than low voltage charge, when the billing determinant is kWh. The calculation of total loss factors is described in E8/T4/S1.

Total Pass-through costs are calculated at E3/T1/S4/Att1.

Commodity Price

The assumed commodity prices are based on the Regulated Price Plan ("RPP") report issued by the OEB on April 14, 2016 for the period May 1, 2016 through April 30, 2017. The estimated price for non-RPP customers corresponds to the forecast Wholesale Electricity Price of \$16.86 / MWh plus the Global Adjustment forecast of \$90.86 / MWh. For TOU customers, current TOU rates of \$87 / kWh, \$132 / kWh and \$180 / kWh for Off-Peak, Mid-Peak, and On-Peak respectively are used. For RPP Non-TOU customers, the rate of \$111.41 /MWh is used.

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

RPP Supply Cost Summary	
for the period from May 1, 2016 through April 30, 2017	
Forecast Wholesale Electricity Price	\$16.86
Load-Weighted Price for RPP Consumers (\$ / MWh)	\$18.59
Impact of the Global Adjustment (\$ / MWh)	+ \$90.86
Adjustment to Address Bias Towards Unfavourable Variance (\$ / MWh)	+ \$1.00
Adjustment to Clear Existing Variance (\$ / MWh)	+ \$0.97
Average Supply Cost for RPP Consumers (\$ / MWh)	= \$111.41

Source: Navigant



1 **Retail Transmission Service (RTS) Rates**

2 Proposed RTS rates for Network Service and Line Transformation Connection Services
3 are described in E8/T3/S1.

4

5 **Wholesale Market Service (WMS)**

6 The existing WMS rate charge of \$0.0047 / kWh is maintained.

7

8 **Rural Rate Protection**

9 The existing rural rate protection charge of \$0.0013 per kWh has been maintained.

10

11 **Low Voltage (LV) Service**

12 NOW Inc. has low voltage charges, and is amending its rates in this application. Please
13 see E8/T3/S6.

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C4 Commodity Price

Calculation of Weighted Cost of Power

Customer Class Name	2015 ACTUAL kWh's						
	Total	non-RPP	Class A (High Five)	TOU Off-Peak	TOU Mid-Peak	TOU On-Peak	RPP
Residential	41,096,056	1,383,728		25,851,701	6,770,575	7,079,372	10,680
General Service < 50 kW	19,602,981	2,854,717		8,846,696	3,204,967	3,318,183	1,378,418
General Service > 50 to 4999 kW	59,289,165	59,289,165					
Unmetered Scattered Load	168,348	23,806					144,542
Street Lighting	745,147	745,147					
TOTAL	120,901,697	64,296,563		34,698,397	9,975,542	10,397,555	1,533,640
%	100.00%	53.18%		28.70%	8.25%	8.60%	1.27%
Forecast Price							
HOEP (\$/MWh)		\$ 16.86	\$ 16.86				
Global Adjustment (\$/MWh)		\$ 90.86	\$ 90.86				
TOTAL (\$/MWh)		\$107.72	\$107.72	\$ 87.00	\$ 132.00	\$ 180.00	\$ 111.41
\$/kWh		\$0.10772	\$0.10772	\$0.08700	\$0.13200	\$0.18000	\$0.11141
%		53.18%		28.70%	8.25%	8.60%	1.27%
WEIGHTED AVERAGE PRICE	\$0.1100	\$0.0573		\$0.0250	\$0.0109	\$0.0155	\$0.0014

C5 Pass-through Charges

Volumes from sheet C1, Account #s from sheet Y4

Calculation of Pass Through Charges

Electricity (Commodity)	Customer Class Name	Revenue USA #	Expense USA #	2016 rate (\$/kWh):		\$ 0.11004	2017 rate (\$/kWh):		\$ 0.1100
				Volume		Amount	Volume		Amount
kWh	Residential	4006	4705	44,110,846		4,853,942	43,530,886		4,790,124
kWh	General Service < 50 kW	4010	4705	21,402,668		2,355,142	21,111,406		2,323,092
kWh	General Service > 50 to 4999 kW	4035	4705	61,134,306		6,727,198	60,302,350		6,635,650
kWh	Unmetered Scattered Load	4035	4705	176,689		19,443	176,689		19,443
kWh	Street Lighting	4025	4705	595,255		65,502	595,255		65,502
	TOTAL			127,419,763		14,021,226	125,716,585		13,833,809
Transmission - Network	Customer Class Name	Revenue USA #	Expense USA #	2016			2017		
				Volume	Rate	Amount	Volume	Rate	Amount
kWh	Residential	4066	4714	44,110,846	\$ 0.0059	260,254	43,530,886	\$ 0.0062	269,891
kWh	General Service < 50 kW	4066	4714	21,402,668	\$ 0.0056	119,855	21,111,406	\$ 0.0059	124,557
kW	General Service > 50 to 4999 kW	4066	4714	168,829	\$ 2.2317	376,776	166,531	\$ 2.3529	391,831
kWh	Unmetered Scattered Load	4066	4714	176,689	\$ 0.0056	989	176,689	\$ 0.0059	1,042
kW	Street Lighting	4066	4714	1,576	\$ 1.6832	2,653	1,576	\$ 1.7746	2,797
	TOTAL			65,860,608		760,527	64,987,088		790,119
Transmission - Connection	Customer Class Name	Revenue USA #	Expense USA #	2016			2017		
				Volume	Rate	Amount	Volume	Rate	Amount
kWh	Residential	4068	4716	44,110,846	\$ 0.0027	119,099	43,530,886	\$ 0.0028	121,886
kWh	General Service < 50 kW	4068	4716	21,402,668	\$ 0.0026	55,647	21,111,406	\$ 0.0027	57,001
kW	General Service > 50 to 4999 kW	4068	4716	168,829	\$ 0.9898	167,107	166,531	\$ 1.0401	173,209
kWh	Unmetered Scattered Load	4068	4716	176,689	\$ 0.0026	459	176,689	\$ 0.0027	477
kW	Street Lighting	4068	4716	1,576	\$ 0.7651	1,206	1,576	\$ 0.8040	1,267
	TOTAL			65,860,608		343,518	64,987,088		353,840

C5 Pass-through Charges

Volumes from sheet C1, Account #s from sheet Y4

Calculation of Pass Through Charges

Wholesale Market Service	Customer Class Name	Revenue USA #	Expense USA #	2016 rate (\$/kWh):		Amount	2017 rate (\$/kWh):		Amount
				Volume			Volume		
kWh	Residential	4062	4708	44,110,846	\$ 0.0047	207,321	43,530,886	\$ 0.0047	204,595
kWh	General Service < 50 kW	4062	4708	21,402,668	\$ 0.0047	100,593	21,111,406	\$ 0.0047	99,224
kWh	General Service > 50 to 4999 kW	4062	4708	61,134,306	\$ 0.0047	287,331	60,302,350	\$ 0.0047	283,421
kWh	Unmetered Scattered Load	4062	4708	176,689	\$ 0.0047	830	176,689	\$ 0.0047	830
kWh	Street Lighting	4062	4708	595,255	\$ 0.0047	2,798	595,255	\$ 0.0047	2,798
	TOTAL			127,419,763		598,873	125,716,585		590,868
Rural Rate Protection	Customer Class Name	Revenue USA #	Expense USA #	2016 rate (\$/kWh):		Amount	2017 rate (\$/kWh):		Amount
				Volume			Volume		
kWh	Residential	4062	4730	44,110,846	0.0013	57,344	43,530,886	0.0013	56,590
kWh	General Service < 50 kW	4062	4730	21,402,668	0.0013	27,823	21,111,406	0.0013	27,445
kWh	General Service > 50 to 4999 kW	4062	4730	61,134,306	0.0013	79,475	60,302,350	0.0013	78,393
kWh	Unmetered Scattered Load	4062	4730	176,689	0.0013	230	176,689	0.0013	230
kWh	Street Lighting	4062	4730	595,255	0.0013	774	595,255	0.0013	774
	TOTAL			127,419,763		165,646	125,716,585		163,432
Debt Retirement Charge	Customer Class Name	Revenue USA #	Expense USA #	2016 rate (\$/kWh):		Amount	2017 rate (\$/kWh):		Amount
				Volume			Volume		
	TOTAL								
Low Voltage Charges	Customer Class Name	Revenue USA #	Expense USA #	2016		Amount	2017		Amount
				Volume	Rate		Volume	Rate	
kWh	Residential	4075	4750	41,247,109	0.0013	53,621	40,704,801	0.0017	69,198
kWh	General Service < 50 kW	4075	4750	20,013,177	0.0012	24,016	19,740,824	0.0016	31,585
kW	General Service > 50 to 4999 kW	4075	4750	168,829	0.434	73,272	166,531	0.5657	94,207
kWh	Unmetered Scattered Load	4075	4750	165,218	0.0012	198	165,218	0.0016	264
kW	Street Lighting	4075	4750	1,576	0.3351	528	1,576	0.4368	688
	TOTAL			61,595,909		151,635	60,778,950		195,943
Smart Meter Entity	Customer Class Name	Revenue USA #	Expense USA #	2016		Amount	2017		Amount
				Volume	Rate		Volume	Rate	
Cust	Residential	4076	4751	5,218	0.79	49,467	5,216	0.79	49,448
Cust	General Service < 50 kW	4076	4751	785	0.79	7,442	784	0.79	7,432
Cust	General Service > 50 to 4999 kW	4076	4751	71			71		
Cust	Unmetered Scattered Load	4076	4751	23			23		
Cust	Street Lighting	4076	4751	1,650			1,650		
	TOTAL			7,747		56,908	7,744		56,880
GRAND TOTAL						16,098,334			15,984,891



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Exhibit 3: Operating Revenue

Tab 2 (of 3): Accuracy of Load Forecast and Variance Analysis



VARIANCE ANALYSIS OF LOAD FORECAST

For the most part, NOW Inc. has experienced negligible load growth or loss, and no significant changes are expected.

The regression model for the residential rate class has identified a decreasing trend of 0.4% from 2009-2015, and this trend is forecasted to continue. In the GS < 50 rate class, no statistically significant trend was found.

In 2013, NOW Inc. lost a GS > 50 mill customer due to bankruptcy. The vacated property reopened in 2015 with another customer. The new customer load is more variable, and not sensitive to weather, but no trend is observed.

All street lighting customers have undertaken a conversion to LED lighting, concluding in March 2016. As part of this work, street lights were re-counted, and street lighting levels adjusted. Given the significant investment, and lack of growth in other rate classes, NOW Inc. anticipates that there will be no changes to the Street Lighting in 2016 or 2017.

The USL rate class added 5 connections in 2012, and has remained stable since that time. It is expected to remain stable.

Information on annual consumption and connection variances is provided in E3/T2/S1/Att1.

Annual Consumption And Connection Variance

kWh Variances

Customer Class Name	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Unmetered Scattered Load	Street Lighting	TOTAL
2013 Approved	42,490,590	19,894,994	54,194,875	126,311	1,593,834	118,300,604
kWh change	826,660	511,296	(2,788,482)	39,833	(57,324)	(1,468,017)
% increase	1.95%	2.57%	-5.15%	31.54%	-3.60%	-1.24%
2013 Actual	43,317,250	20,406,290	51,406,393	166,144	1,536,510	116,832,587
kWh change	(499,810)	(317,182)	3,635,206	(4,982)	(99,258)	2,713,974
% increase	-1.15%	-1.55%	7.07%	-3.00%	-6.46%	2.32%
2014 Actual	42,817,440	20,089,108	55,041,599	161,162	1,437,252	119,546,561
kWh change	(1,721,384)	(486,127)	4,247,566	7,186	(692,105)	1,355,136
% increase	-4.02%	-2.42%	7.72%	4.46%	-48.15%	1.13%
2015 Actual	41,096,056	19,602,981	59,289,165	168,348	745,147	120,901,697
kWh change	331,262	448,846	-	(3,130)	-	776,978
% increase	0.81%	2.29%	0.00%	-1.86%	0.00%	0.64%
2015 Normalized	41,427,318	20,051,827	59,289,165	165,218	745,147	121,678,675
kWh change	(180,209)	(38,650)	(2,123,783)	-	(188,537)	(2,531,179)
% increase	-0.44%	-0.19%	-3.58%	0.00%	-25.30%	-2.08%
2016 Normalized	41,247,109	20,013,177	57,165,382	165,218	556,610	119,147,496
kWh change	-	-	-	-	-	-
% increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2016 Estimated	41,247,109	20,013,177	57,165,382	165,218	556,610	119,147,496
kWh change	(542,308)	(272,353)	(777,944)	-	-	(1,592,605)
% increase	-1.31%	-1.36%	-1.36%	0.00%	0.00%	-1.34%
2017 Normalized	40,704,801	19,740,824	56,387,438	165,218	556,610	117,554,891

kW Variances

Customer Class Name	General Service > 50 to 4999 kW	Street Lighting	TOTAL
2013 Approved	188,386	4,270	192,656
kW change	3,253	36	3,289
% increase	1.73%	0.84%	1.71%
2013 Actual	191,639	4,306	195,945
kW change	(26,140)	(272)	(26,412)
% increase	-13.64%	-6.32%	-13.48%
2014 Actual	165,499	4,034	169,533
kW change	6,432	(2,048)	4,384
% increase	3.89%	-50.77%	2.59%
2015 Actual	171,931	1,986	173,917
kW change	-	-	-
% increase	0.00%	0.00%	0.00%
2015 Normalized	171,931	1,986	173,917
kW change	(3,102)	(410)	(3,512)
% increase	-1.80%	-20.64%	-2.02%
2016 Normalized	168,829	1,576	170,405
kW change	-	-	-
% increase	0.00%	0.00%	0.00%
2016 Estimated	168,829	1,576	170,405
kW change	(2,298)	-	(2,298)
% increase	-1.36%	0.00%	-1.35%
2017 Normalized	166,531	1,576	168,107

Customer Connections

Customer Class Name	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Unmetered Scattered Load	Street Lighting	TOTAL
2013 Approved	5255	767	70	18	1546	7656
Connection Additions	(6)	(19)	(2)	5	47	25
% increase	-0.11%	-2.48%	-2.86%	27.78%	3.04%	0.33%
2013 Actual	5249	748	68	23	1593	7681
Connection Additions	(12)	7	2	-	7	4
% increase	-0.23%	0.94%	2.94%	0.00%	0.44%	0.05%
2014 Actual	5237	755	70	23	1600	7685
Connection Additions	(18)	30	1	-	50	63
% increase	-0.34%	3.97%	1.43%	0.00%	3.13%	0.82%
2015 Actual	5219	785	71	23	1650	7748
Connection Additions	-	-	-	-	-	-
% increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2015 Normalized	5219	785	71	23	1650	7748
Connection Additions	(1)	-	-	-	-	(1)
% increase	-0.02%	0.00%	0.00%	0.00%	0.00%	-0.01%
2016 Normalized	5218	785	71	23	1650	7747
Connection Additions	-	-	-	-	-	-
% increase	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2016 Estimated	5218	785	71	23	1650	7747
Connection Additions	(2)	(1)	-	-	-	(3)
% increase	-0.04%	-0.13%	0.00%	0.00%	0.00%	-0.04%
2017 Normalized	5216	784	71	23	1650	7744



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Tab 3

Exhibit 3: Operating Revenue

Tab 3 (of 3): Other Revenue



OTHER REVENUE

Other Revenue is revenue that is earned from sources other than distribution rates. It is comprised of revenue received from regulated charges which are established by the OEB and revenue from non-regulated sources. NOW Inc. is not proposing any changes to any existing rates for specific charges in this application.

The overall Service Revenue Requirement is reduced by the amount of Other Revenue in order to arrive at the Base Revenue Requirement which is used to establish distribution rates.

NOW Inc. has categorized other distribution revenue consistent with the categories in the OEB Appendix 2-H, which is provided in at E3/T3/S1/Att1:

1. Specific Service Charges
2. Late Payment Charges
3. Other Operating Revenues
4. Other Income or Deductions

This exhibit will detail the revenue associated with each category from the 2013 Board Approved level to the 2017 Test Year, and provide a variance analysis. A summary of the Other Revenue is detailed in Table 1 below.

Table 1- Summary of Other Operating Revenue

USoA Description	Historical					Forecast	
	2013 Approved	2013 Actual	2014 Actual	2015 Actual	2015 Actual	2016 Bridge	2017 Test
Reporting Basis	CGAAP	CGAAP	CGAAP	CGAAP	MIFRS	MIFRS	MIFRS
Specific Service Charges	\$ 28,600	\$ 29,474	\$ 31,551	\$ 29,426	\$ 29,426	\$ 30,045	\$ 30,045
Late Payment Charges	\$ 92,500	\$ 91,285	\$ 75,041	\$ 88,131	\$ 88,131	\$ 87,767	\$ 89,347
Other Operating Revenues	\$ 128,198	\$ 119,604	\$ 116,720	\$ 112,863	\$ 112,863	\$ 119,246	\$ 119,246
Other Income or Deductions	\$ 24,000	\$ 25,244	\$ 23,222	\$ 45,382	\$ 45,382	\$ 48,753	\$ 30,280
Total	\$ 273,298	\$ 265,607	\$ 246,534	\$ 275,802	\$ 275,802	\$ 285,811	\$ 268,918



1 In 2013, Board Approved Other Revenue was \$273,298. Average actual Other Revenue
2 for 2013 – 2015 was \$262,647, representing an average shortfall in expected revenue of
3 \$10,651 per year or a shortfall of \$31,953 on a cumulative basis over the three years.
4 Other Revenue in the 2017 TY of \$268,918 is forecast to be \$6,271 (2.4%) higher than
5 the average Other Revenue over the last 3 years. Other Revenue reduces the Service
6 Revenue Requirement of \$3,832,485 to arrive at a Base Revenue requirement of
7 \$3,563,567

8 9 10 **1. Specific Service Charges**

11 Specific Service Charges relate to revenue received as a result of applying OEB
12 approved rates to specific volumes of service requests from customers. These charges
13 are driven by requests from customers and customer growth is essentially flat. There
14 were 6,098 customers in 2015 and there are projected to be 6,094 customers in 2017
15 (excluding Streetlight customers). Northern Ontario Wires is not requesting any
16 changes to OEB approved rates. Specific Service Charge revenues are forecast to be
17 \$30,045 in the 2017 TY which is a 2.1% higher than actual 2015 revenues.

18
19 The list of current service charges and the associated rates are detailed below:

20
21 Current Service Charges:

22 **Customer Administration**

- 23 • Arrears Certificate, \$15.00
- 24 • Returned Cheque (plus bank charges), \$15.00
- 25 • Statement of Account, \$15.00
- 26 • Account History, \$15.00
- 27 • Request for Other Billing Information, \$15.00
- 28 • Account set up charge/change of occupancy charge (plus credit agency costs if
29 applicable), \$30.00
- 30 • Meter dispute charge plus Measurement Canada fees (if meter found correct),
31 \$30.00



Non-Payment of Account

- Late Payment - per month - 1.50%
- Late Payment - per annum - 19.56%
- Collection of Account Charge – no disconnection, \$30.00
- Disconnect/Reconnect at Meter - during Regular Hours, \$65.00
- Disconnect/Reconnect at Meter - after Regular Hours, \$185.00

Other

- Specific Charge for Access to the Power Poles – per pole/year \$ 22.35

Details of the rates, volume and revenue of Specific Service Charges is provided in E3/T3/S1/Att2.

2. Late Payment Charges

Even though Late Payment Charges are categorized as a “Specific Service Charge” on the Tariff of Rates and Charges, they are presented separately here to match the categorization in OEB Appendix 2-H. NOW Inc. applies the late payment charge to customer accounts when the total amount of the bill has not been paid within the time outlined in the Distribution System Code Section 2.7. The OEB approved rates for such charges are:

Late Payment – per month 1.50%

Late Payment – per annum 19.56%

In the 2017 TY NOW Inc. is forecasting to receive \$89,347 in Late Payment revenue. This amount is consistent with prior years experience and represents a \$1,216 (1.4%) increase over the actual 2015 Late Payment revenue.

3. Other Operating Revenues

Other Operating Revenue includes Distribution Services Revenue and Retailer Service Charges which include a standard set-up charge for new retailers, a monthly fixed



charge per retailer, a monthly variable charge per retail customer; a standard distributor consolidated billing charge per retail customer, a service transaction request fee and a service transaction processing fee. Rent from Electric Property, which includes pole rental revenue is also included as Other Operating Revenue. Other Operating Revenue is forecast to be \$119,246 in the 2017 TY, this amount is \$6,383 (5.7%) higher amount of actual Other Operating Revenue in the 2015 period.

4. Other Income and Deductions

Other Income and Deductions include revenue related to performing work for third parties (e.g. cable companies) and interest and dividend income. Interest and dividend income includes interest revenues on securities, notes, loans, deposits, and all other interest bearing assets. NOW Inc. does not own any shares of any corporations and therefore has no dividend income. Revenue in this category is \$30,280 in the 2017 TY. The average Other Income and Deductions revenue was \$24,233 over the 2013-2014 period. In 2015 and 2016 amounts (\$45,382 and \$48,753 respectively) are higher than the annual average due to additional third party work related to pole installations for a cable company in these years. This work is forecasted to be completed in 2016 and other income will return to a more historical level. 2017 TY revenue of \$30,280 is 25% higher than the 2013-2014 average annual.

OTHER REVENUE VARIANCE ANALYSIS

A detailed year over year variance analysis is provided in E3/T3/S1/Att2, which is summarized as follows:

Variance Analysis – Other Revenue – 2013 Actual to 2013 Board Approved

Actual Other Revenue in 2013 of \$265,607 was \$7,691 (2.8%) lower than the OEB Approved level of \$273,298. The underage is primarily due to lower Other Operating Revenues related to lower Retail Services Revenue.



Variance Analysis – Other Revenue – 2014 Actual vs 2013 Actual

Actual Other Revenue in 2014 of \$248,534 was \$17,073 (6.4%) lower than the 2013 Actual level of \$265,607. This was primarily due to lower revenue from Late Payment Charges (\$16,244) as the large customer that went bankrupt in 2013 had no interest charges in 2014.

Variance Analysis – Other Revenue – 2015 Actual to 2014 Actual

Actual Other Revenue in 2015 of \$275,802 was \$29,268 (11.9%) higher than the 2014 Actual Other Revenue of \$246,534. This was primarily due to higher revenue from work for third parties (\$20,255) related to a request from a cable company to upgrade poles to accommodate attachments. In addition, there was higher revenue from Late Payment Charges (\$13,090) as NOW Inc. customers returned to a more typical pattern of late payments.

Variance Analysis – Other Revenue – 2016 Bridge Year to 2015 Actual

Other Revenue in 2016 of \$285,811 is projected to be \$10,009 (3.6%) higher than 2015 Actual Other Revenue of \$275,802. This is primarily due to continued and increasing higher revenue from work for third parties (\$7,981) related to the above mentioned request from a cable company to upgrade poles to accommodate attachments.

Variance Analysis – Other Revenue - 2017 Test Year to 2016 Bridge Year

Other Revenue in 2017 of \$268,918 is projected to be \$16,893 (5.9%) lower than 2016 Projected Other Revenue of \$285,811. This is primarily due to the completion of work for a cable company to upgrade poles to accommodate attachments (\$18,473). It is not expected that there will be another contract for such work in the planning period.



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Appendix 2-H Other Operating Revenue

USoA #	USoA Description	2013 Actual 2013	2014 Actual 2014	2015 Actual ² 2015	Actual Year ² 2015	Bridge Year ² 2016	Test Year 2017
	Reporting Basis	CGAAP	CGAAP	CGAAP	MIFRS	MIFRS	MIFRS
4235	Specific Service Charges	\$ 29,474	\$ 31,551	\$ 29,426	\$ 29,426	\$ 30,045	\$ 30,045
4225	Late Payment Charges	\$ 91,285	\$ 75,041	\$ 88,131	\$ 88,131	\$ 87,767	\$ 89,347
4082	Retail Services Revenues	\$ 3,076	\$ 7,226	\$ 6,970	\$ 6,970	\$ 7,116	\$ 7,116
4080	Standard Supply Service -- Ad	\$ 16,668	\$ 16,829	\$ 17,050	\$ 17,050	\$ 17,408	\$ 17,408
4084	Service Transaction Request	\$ 770	\$ 490	\$ 432	\$ 432	\$ 221	\$ 221
4210	Rent from Electric Property	\$ 94,610	\$ 90,639	\$ 88,868	\$ 88,868	\$ 88,735	\$ 88,735
4215	Other Utility Operating Income	\$ 4,480	\$ 1,536	\$ 457	\$ 457	\$ 5,766	\$ 5,766
4325	Revenue from Merchandising	\$ 20,805	\$ 17,747	\$ 38,002	\$ 38,002	\$ 45,493	\$ 27,020
4375	Revenues from Non Utility Op	\$ 1,261	\$ 842	\$ 6,488	\$ 6,488	\$ 860	\$ 860
4405	Interest and Dividend Income	\$ 3,178	\$ 4,633	\$ 892	\$ 892	\$ 2,400	\$ 2,400
	Specific Service Charges	\$ 29,474	\$ 31,551	\$ 29,426	\$ 29,426	\$ 30,045	\$ 30,045
	Late Payment Charges	\$ 91,285	\$ 75,041	\$ 88,131	\$ 88,131	\$ 87,767	\$ 89,347
	Other Operating Revenues	\$ 119,604	\$ 116,720	\$ 112,863	\$ 112,863	\$ 119,246	\$ 119,246
	Other Income or Deductions	\$ 25,244	\$ 23,222	\$ 45,382	\$ 45,382	\$ 48,753	\$ 30,280
	Total	\$ 265,607	\$ 246,534	\$ 275,802	\$ 275,802	\$ 285,811	\$ 268,918

Description

Specific Service Charges:
Late Payment Charges:
Other Distribution Revenues:
Other Income and Expenses:

Account(s)

4235
4225
4080, 4082, 4084, 4090, 4205, 4210, 4215, 4220, 4240, 4245
4305, 4310, 4315, 4320, 4325, 4330, 4335, 4340, 4345, 4350, 4355, 4360, 4365, 4370, 4375, 4380,
4385, 4390, 4395, 4398, 4405, 4415

Note: Add all applicable accounts listed above to the table and include all relevant information.

Account Breakdown Details

For each "Other Operating Revenue" and "Other Income or Deductions" Account, a detailed breakdown of the account components is required. See the example below for Account 4405, Interest and Dividend Income.

Account 4405 - Interest and Dividend Income

	2013 Actual	2014 Actual	2015 Actual ²	Actual Year ²	Bridge Year ²	Test Year
				2015	2016	2017
Reporting Basis	CGAAP	CGAAP	CGAAP	MIFRS	MIFRS	MIFRS
Short-term Investment Interest						
Bank Deposit Interest						
Miscellaneous Interest Revenue	\$ 3,178	\$ 4,633	\$ 892	\$ 892	\$ 2,400	\$ 2,400
etc. ¹						
Total	\$ 3,178	\$ 4,633	\$ 892	\$ 892	\$ 2,400	\$ 2,400

Notes:

- List and specify any other interest revenue.
- In the transition year to IFRS, the applicant is to present information in both MIFRS and CGAAP. For the typical applicant that adopted IFRS on January 1, 2015, 2014 must be presented in both a CGAAP and MIFRS basis.

Account 4080 - Standard Supply Service

	2013 Actual	2014 Actual	2015 Actual ²	Actual Year ²	Bridge Year ²	Test Year
				2015	2016	2017
Reporting Basis	CGAAP	CGAAP	CGAAP	MIFRS	MIFRS	MIFRS
Administrative Charge	\$ 16,668	\$ 16,829	\$ 17,050	\$ 17,050	\$ 17,408	\$ 17,408
etc. ¹						
Total	\$ 16,668	\$ 16,829	\$ 17,050	\$ 17,050	\$ 17,408	\$ 17,408
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Account 4082 - Retailer Services Revenues

	2013 Actual	2014 Actual	2015 Actual ²	Actual Year ²	Bridge Year ²	Test Year
				2015	2016	2017
Reporting Basis	CGAAP	CGAAP	CGAAP	MIFRS	MIFRS	MIFRS
Retailer Monthly Variable Charge	\$ 3,076	\$ 7,226	\$ 6,970	\$ 6,970	\$ 7,116	\$ 7,116
etc. ¹						
Total	\$ 3,076	\$ 7,226	\$ 6,970	\$ 6,970	\$ 7,116	\$ 7,116

Account 4084 - Service Transaction Requests

	2013 Actual	2014 Actual	2015 Actual ²	Actual Year ²	Bridge Year ²	Test Year
				2015	2016	2017
Reporting Basis	CGAAP	CGAAP	CGAAP	MIFRS	MIFRS	MIFRS
Arrears Certificates	\$ 385	\$ 245	\$ 216	\$ 216	\$ -	\$ -
Service Transaction request	\$ 385	\$ 245	\$ 216	\$ 216	\$ 221	\$ 221
etc. ¹						
Total	\$ 770	\$ 490	\$ 432	\$ 432	\$ 221	\$ 221

Account 4210 - Rent from Electric Property

	2013 Actual	2014 Actual	2015 Actual ²	Actual Year ²	Bridge Year ²	Test Year
				2015	2016	2017
Reporting Basis	CGAAP	CGAAP	CGAAP	MIFRS	MIFRS	MIFRS
Building	\$ 4,800	\$ 4,800	\$ 4,800	\$ 4,800	\$ 4,800	\$ 4,800
Service Centre	\$ 6,000	\$ 2,000	\$ 170	\$ 170		
Pole Attachment	\$ 83,810	\$ 83,839	\$ 83,898	\$ 83,898	\$ 83,935	\$ 83,935
etc. ¹						
Total	\$ 94,610	\$ 90,639	\$ 88,868	\$ 88,868	\$ 88,735	\$ 88,735
	-\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -

Account 4215 - Other Utility Operating Income

	2013 Actual	2014 Actual	2015 Actual ²	Actual Year ²	Bridge Year ²	Test Year
				2015	2016	2017
Reporting Basis	CGAAP	CGAAP	CGAAP	MIFRS	MIFRS	MIFRS
Other Utility Operating Income	\$ 4,480	\$ 1,536	-\$ 457	-\$ 457	\$ 5,766	\$ 5,766
				\$ -		
etc. ¹						
Total	\$ 4,480	\$ 1,536	-\$ 457	-\$ 457	\$ 5,766	\$ 5,766

Account 4325 - Revenue from Merchandising

	2013 Actual	2014 Actual	2015 Actual ²	Actual Year ²	Bridge Year ²	Test Year
				2015	2016	2017
Reporting Basis	CGAAP	CGAAP	CGAAP	MIFRS	MIFRS	MIFRS
Sundry Revenue	\$ 20,805	\$ 17,747	\$ 38,002	\$ 38,002	\$ 45,493	\$ 28,600
				\$ -		
etc. ¹						
Total	\$ 20,805	\$ 17,747	\$ 38,002	\$ 38,002	\$ 45,493	\$ 28,600

Account 4375 - Revenues from Non-Utility Operations

	2013 Actual	2014 Actual	2015 Actual ²	Actual Year ²	Bridge Year ²	Test Year
				2015	2016	2017
Reporting Basis	CGAAP	CGAAP	CGAAP	MIFRS	MIFRS	MIFRS
MicroFIT Revenue	\$ 1,261	\$ 842	\$ 842	\$ 842	\$ 860	\$ 860
CDM Revenues			\$ 5,646	\$ 5,646		
etc. ¹						
Total	\$ 1,261	\$ 842	\$ 6,488	\$ 6,488	\$ 860	\$ 860



Schedule of Service Charges

2013 BOARD APPROVED AND 2013 ACTUAL SERVICE CHARGES

Service	USA #	2013 Approved			2013 Actual		
		Volume	Rate	Revenue	Volume	Rate	Revenue
Standard Supply Service -- Administrative Charge	4080	61,268	\$0.25	15,317	66,673	\$0.25	16,668
Arrears Certificate	4084	50	\$15.00	750	26	\$15.00	385
Statement of Account	4084	40	\$15.00	600		\$15.00	
Pulling post-dated cheques	4084						
Duplicate invoices for previous billing	4084						
Request for other billing information	4084	40	\$15.00	600		\$15.00	
Easement Letter	4084						
Income tax letter	4084						
Notification Charge	4084						
Account history	4235						
Credit reference/credit check (plus credit agency costs)	4235						
Returned Cheque charge (plus bank charges)	4235	50	\$15.00	750	168	\$15.00	2,514
Charge to certify cheque	4235						
Legal letter charge	4084						
Account set up charge / change of occupancy charge	4235	820	\$30.00	24,600	791	\$30.00	23,730
Special Meter reads							
Meter dispute charge plus Measurement Canada fees (if meter found correct)	4235		\$30.00			\$30.00	
Late Payment - per month	4225	1,500,667	1.50%	22,510	3,604,337	1.50%	54,065
Collection of account charge -- no disconnection	4225	2,333	\$30.00	69,990	1,241	\$30.00	37,220
Collection of account charge -- no disconnection -- after regular hours	4225		\$30.00			\$30.00	
Disconnect/Reconnect at meter -- during regular hours	4235	50	\$65.00	3,250	50	\$65.00	3,230
Disconnect/Reconnect at meter -- after regular hours	4235		\$185.00			\$185.00	
Disconnect/Reconnect at pole -- during regular hours	4235						
Disconnect/Reconnect at pole -- after regular hours	4235						
Install / remove load control device -- during regular hours	4235						
Install / remove load control device -- after regular hours	4235						
Service call -- customer-owned equipment	4235						
Service call -- after regular hours	4235						
Temporary service install and remove -- overhead -- no transformer	4235						
Temporary service install and remove -- underground -- no transformer	4235						
Temporary service install and remove -- overhead -- with transformer	4235						
Specific Charge for Access to the Power Poles -- per pole/year	4210		\$22.35			\$22.35	
Administrative Billing Charge	4235						
Layout fees	4235						
Retailer Service Agreement -- standard charge	4082		\$100.00			\$100.00	
Retailer Service Agreement -- monthly fixed charge (per retailer)	4082	140	\$20.00	2,800		\$20.00	
Retailer Service Agreement -- monthly variable charge (per customer)	4082	11,750	\$0.50	5,875	6,152	\$0.50	3,076
Distributor-Consolidated Billing -- monthly charge (per customer)	4082	11,750	\$0.30	3,525		\$0.30	
Retailer-Consolidated Billing -- monthly credit (per customer)	4082		(\$0.30)			(\$0.30)	
Service Transaction Request -- request fee (per request)	4084	525	\$0.25	131	1,539	\$0.25	385
Service Transaction Request -- processing fee (per processed request)	4084	1,200	\$0.50	600		\$0.50	
Interval Meter Load Management Tool	4235						
Customer Information request -- non-EBT (more than twice a year, per request)	4084		\$2.00			\$2.00	
TOTAL				151,298			141,273



2014 AND 2015 ACTUAL SERVICE CHARGES

Service	USA #	2014 Actual			2015 Projection		
		Volume	Rate	Revenue	Volume	Rate	Revenue
Standard Supply Service -- Administrative Charge	4080	67,315	\$0.25	16,829	68,201	\$0.25	17,050
Arrears Certificate	4084	16	\$15.00	245	14	\$15.00	216
Statement of Account	4084		\$15.00			\$15.00	
Pulling post-dated cheques	4084						
Duplicate invoices for previous billing	4084						
Request for other billing information	4084		\$15.00			\$15.00	
Easement Letter	4084						
Income tax letter	4084						
Notification Charge	4084						
Account history	4235						
Credit reference/credit check (plus credit agency costs)	4235						
Returned Cheque charge (plus bank charges)	4235	142	\$15.00	2,126	129	\$15.00	1,931
Charge to certify cheque	4235						
Legal letter charge	4084						
Account set up charge / change of occupancy charge	4235	844	\$30.00	25,320	765	\$30.00	22,950
Special Meter reads							
Meter dispute charge plus Measurement Canada fees (if meter found correct)	4235	1	\$30.00	30	3	\$30.00	90
Late Payment - per month	4225	1,568,746	1.50%	23,531	1,908,696	1.50%	28,630
Collection of account charge -- no disconnection	4225	1,717	\$30.00	51,510	1,983	\$30.00	59,501
Collection of account charge -- no disconnection -- after regular hours	4225		\$30.00			\$30.00	
Disconnect/Reconnect at meter -- during regular hours	4235	63	\$65.00	4,075	69	\$65.00	4,455
Disconnect/Reconnect at meter -- after regular hours	4235		\$185.00			\$185.00	
Disconnect/Reconnect at pole -- during regular hours	4235						
Disconnect/Reconnect at pole -- after regular hours	4235						
Install / remove load control device -- during regular hours	4235						
Install / remove load control device -- after regular hours	4235						
Service call -- customer-owned equipment	4235						
Service call -- after regular hours	4235						
Temporary service install and remove -- overhead -- no transformer	4235						
Temporary service install and remove -- underground -- no transformer	4235						
Temporary service install and remove -- overhead -- with transformer	4235						
Specific Charge for Access to the Power Poles -- per pole/year	4210		\$22.35			\$22.35	
Administrative Billing Charge	4235						
Layout fees	4235						
Retailer Service Agreement -- standard charge	4082		\$100.00			\$100.00	
Retailer Service Agreement -- monthly fixed charge (per retailer)	4082		\$20.00			\$20.00	
Retailer Service Agreement -- monthly variable charge (per customer)	4082	14,453	\$0.50	7,226	13,939	\$0.50	6,970
Distributor-Consolidated Billing -- monthly charge (per customer)	4082		\$0.30			\$0.30	
Retailer-Consolidated Billing -- monthly credit (per customer)	4082		(\$0.30)			(\$0.30)	
Service Transaction Request -- request fee (per request)	4084	980	\$0.25	245	863	\$0.25	216
Service Transaction Request -- processing fee (per processed request)	4084		\$0.50			\$0.50	
Interval Meter Load Management Tool	4235						
Customer Information request -- non-EBT (more than twice a year, per request)	4084		\$2.00			\$2.00	
TOTAL				131,137			142,009



2016 BRIDGE YEAR AND 2017 TEST YEAR SERVICE CHARGES

Service	USA #	2016 Bridge Year			2017 Test Year		
		Volume	Rate	Revenue	Volume	Rate	Revenue
Standard Supply Service -- Administrative Charge	4080	69,632	\$0.25	17,408	69,632	\$0.25	17,408
Arrears Certificate	4084		\$15.00			\$15.00	
Statement of Account	4084		\$15.00			\$15.00	
Pulling post-dated cheques	4084						
Duplicate invoices for previous billing	4084						
Request for other billing information	4084		\$15.00			\$15.00	
Easement Letter	4084						
Income tax letter	4084						
Notification Charge	4084						
Account history	4235						
Credit reference/credit check (plus credit agency costs)	4235						
Returned Cheque charge (plus bank charges)	4235	131	\$15.00	1,972	131	\$15.00	1,972
Charge to certify cheque	4235						
Legal letter charge	4084						
Account set up charge / change of occupancy charge	4235	781	\$30.00	23,432	781	\$30.00	23,432
Special Meter reads							
Meter dispute charge plus Measurement Canada fees (if meter found correct)	4235	3	\$30.00	92	3	\$30.00	92
Late Payment - per month	4225	1,801,067	1.50%	27,016	1,906,400	1.50%	28,596
Collection of account charge -- no disconnection	4225	2,025	\$30.00	60,751	2,025	\$30.00	60,751
Collection of account charge -- no disconnection -- after regular hours	4225		\$30.00			\$30.00	
Disconnect/Reconnect at meter -- during regular hours	4235	70	\$65.00	4,549	70	\$65.00	4,549
Disconnect/Reconnect at meter -- after regular hours	4235		\$185.00			\$185.00	
Disconnect/Reconnect at pole -- during regular hours	4235						
Disconnect/Reconnect at pole -- after regular hours	4235						
Install / remove load control device -- during regular hours	4235						
Install / remove load control device -- after regular hours	4235						
Service call -- customer-owned equipment	4235						
Service call -- after regular hours	4235						
Temporary service install and remove -- overhead -- no transformer	4235						
Temporary service install and remove -- underground -- no transformer	4235						
Temporary service install and remove -- overhead -- with transformer	4235						
Specific Charge for Access to the Power Poles -- per pole/year	4210		\$22.35			\$22.35	
Administrative Billing Charge	4235						
Layout fees	4235						
Retailer Service Agreement -- standard charge	4082		\$100.00			\$100.00	
Retailer Service Agreement -- monthly fixed charge (per retailer)	4082		\$20.00			\$20.00	
Retailer Service Agreement -- monthly variable charge (per customer)	4082	14,232	\$0.50	7,116	14,232	\$0.50	7,116
Distributor-Consolidated Billing -- monthly charge (per customer)	4082		\$0.30			\$0.30	
Retailer-Consolidated Billing -- monthly credit (per customer)	4082		(\$0.30)			(\$0.30)	
Service Transaction Request -- request fee (per request)	4084	884	\$0.25	221	884	\$0.25	221
Service Transaction Request -- processing fee (per processed request)	4084		\$0.50			\$0.50	
Interval Meter Load Management Tool	4235						
Customer Information request -- non-EBT (more than twice a year, per request)	4084		\$2.00			\$2.00	
TOTAL				142,557			144,137



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2013 BOARD APPROVED AND 2013 ACTUAL SERVICE CHARGES

Service	USA #	2013 Approved			2013 Actual		
		Volume	Rate	Revenue	Volume	Rate	Revenue
Standard Supply Service -- Administrative Charge	4080	61,268	\$0.25	15,317	66,673	\$0.25	16,668
Arrears Certificate	4084	50	\$15.00	750	26	\$15.00	385
Statement of Account	4084	40	\$15.00	600		\$15.00	
Pulling post-dated cheques	4084						
Duplicate invoices for previous billing	4084						
Request for other billing information	4084	40	\$15.00	600		\$15.00	
Easement Letter	4084						
Income tax letter	4084						
Notification Charge	4084						
Account history	4235						
Credit reference/credit check (plus credit agency costs)	4235						
Returned Cheque charge (plus bank charges)	4235	50	\$15.00	750	168	\$15.00	2,514
Charge to certify cheque	4235						
Legal letter charge	4084						
Account set up charge / change of occupancy charge	4235	820	\$30.00	24,600	791	\$30.00	23,730
Special Meter reads							
Meter dispute charge plus Measurement Canada fees (if meter found correct)	4235		\$30.00			\$30.00	
Late Payment - per month	4225	1,500,667	1.50%	22,510	3,604,337	1.50%	54,065
Collection of account charge -- no disconnection	4225	2,333	\$30.00	69,990	1,241	\$30.00	37,220
Collection of account charge -- no disconnection -- after regular hours	4225		\$30.00			\$30.00	
Disconnect/Reconnect at meter -- during regular hours	4235	50	\$65.00	3,250	50	\$65.00	3,230
Disconnect/Reconnect at meter -- after regular hours	4235		\$185.00			\$185.00	
Disconnect/Reconnect at pole -- during regular hours	4235						
Disconnect/Reconnect at pole -- after regular hours	4235						
Install / remove load control device -- during regular hours	4235						
Install / remove load control device -- after regular hours	4235						
Service call -- customer-owned equipment	4235						
Service call -- after regular hours	4235						
Temporary service install and remove -- overhead -- no transformer	4235						
Temporary service install and remove -- underground -- no transformer	4235						
Temporary service install and remove -- overhead -- with transformer	4235						
Specific Charge for Access to the Power Poles -- per pole/year	4210		\$22.35			\$22.35	
Administrative Billing Charge	4235						
Layout fees	4235						
Retailer Service Agreement -- standard charge	4082		\$100.00			\$100.00	
Retailer Service Agreement -- monthly fixed charge (per retailer)	4082	140	\$20.00	2,800		\$20.00	
Retailer Service Agreement -- monthly variable charge (per customer)	4082	11,750	\$0.50	5,875	6,152	\$0.50	3,076
Distributor-Consolidated Billing -- monthly charge (per customer)	4082	11,750	\$0.30	3,525		\$0.30	
Retailer-Consolidated Billing -- monthly credit (per customer)	4082		(\$0.30)			(\$0.30)	
Service Transaction Request -- request fee (per request)	4084	525	\$0.25	131	1,539	\$0.25	385
Service Transaction Request -- processing fee (per processed request)	4084	1,200	\$0.50	600		\$0.50	
Interval Meter Load Management Tool	4235						
Customer Information request -- non-EBT (more than twice a year, per request)	4084		\$2.00			\$2.00	
TOTAL				151,298			141,273



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2014 AND 2015 ACTUAL SERVICE CHARGES

Service	USA #	2014 Actual			2015 Projection		
		Volume	Rate	Revenue	Volume	Rate	Revenue
Standard Supply Service -- Administrative Charge	4080	67,315	\$0.25	16,829	68,201	\$0.25	17,050
Arrears Certificate	4084	16	\$15.00	245	14	\$15.00	216
Statement of Account	4084		\$15.00			\$15.00	
Pulling post-dated cheques	4084						
Duplicate invoices for previous billing	4084						
Request for other billing information	4084		\$15.00			\$15.00	
Easement Letter	4084						
Income tax letter	4084						
Notification Charge	4084						
Account history	4235						
Credit reference/credit check (plus credit agency costs)	4235						
Returned Cheque charge (plus bank charges)	4235	142	\$15.00	2,126	129	\$15.00	1,931
Charge to certify cheque	4235						
Legal letter charge	4084						
Account set up charge / change of occupancy charge	4235	844	\$30.00	25,320	765	\$30.00	22,950
Special Meter reads							
Meter dispute charge plus Measurement Canada fees (if meter found correct)	4235	1	\$30.00	30	3	\$30.00	90
Late Payment - per month	4225	1,568,746	1.50%	23,531	1,908,696	1.50%	28,630
Collection of account charge -- no disconnection	4225	1,717	\$30.00	51,510	1,983	\$30.00	59,501
Collection of account charge -- no disconnection -- after regular hours	4225		\$30.00			\$30.00	
Disconnect/Reconnect at meter -- during regular hours	4235	63	\$65.00	4,075	69	\$65.00	4,455
Disconnect/Reconnect at meter -- after regular hours	4235		\$185.00			\$185.00	
Disconnect/Reconnect at pole -- during regular hours	4235						
Disconnect/Reconnect at pole -- after regular hours	4235						
Install / remove load control device -- during regular hours	4235						
Install / remove load control device -- after regular hours	4235						
Service call -- customer-owned equipment	4235						
Service call -- after regular hours	4235						
Temporary service install and remove -- overhead -- no transformer	4235						
Temporary service install and remove -- underground -- no transformer	4235						
Temporary service install and remove -- overhead -- with transformer	4235						
Specific Charge for Access to the Power Poles -- per pole/year	4210		\$22.35			\$22.35	
Administrative Billing Charge	4235						
Layout fees	4235						
Retailer Service Agreement -- standard charge	4082		\$100.00			\$100.00	
Retailer Service Agreement -- monthly fixed charge (per retailer)	4082		\$20.00			\$20.00	
Retailer Service Agreement -- monthly variable charge (per customer)	4082	14,453	\$0.50	7,226	13,939	\$0.50	6,970
Distributor-Consolidated Billing -- monthly charge (per customer)	4082		\$0.30			\$0.30	
Retailer-Consolidated Billing -- monthly credit (per customer)	4082		(\$0.30)			(\$0.30)	
Service Transaction Request -- request fee (per request)	4084	980	\$0.25	245	863	\$0.25	216
Service Transaction Request -- processing fee (per processed request)	4084		\$0.50			\$0.50	
Interval Meter Load Management Tool	4235						
Customer Information request -- non-EBT (more than twice a year, per request)	4084		\$2.00			\$2.00	
TOTAL				131,137			142,009



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2016 BRIDGE YEAR AND 2017 TEST YEAR SERVICE CHARGES

Service	USA #	2016 Bridge Year			2017 Test Year		
		Volume	Rate	Revenue	Volume	Rate	Revenue
Standard Supply Service -- Administrative Charge	4080	69,632	\$0.25	17,408	69,632	\$0.25	17,408
Arrears Certificate	4084		\$15.00			\$15.00	
Statement of Account	4084		\$15.00			\$15.00	
Pulling post-dated cheques	4084						
Duplicate invoices for previous billing	4084						
Request for other billing information	4084		\$15.00			\$15.00	
Easement Letter	4084						
Income tax letter	4084						
Notification Charge	4084						
Account history	4235						
Credit reference/credit check (plus credit agency costs)	4235						
Returned Cheque charge (plus bank charges)	4235	131	\$15.00	1,972	131	\$15.00	1,972
Charge to certify cheque	4235						
Legal letter charge	4084						
Account set up charge / change of occupancy charge	4235	781	\$30.00	23,432	781	\$30.00	23,432
Special Meter reads							
Meter dispute charge plus Measurement Canada fees (if meter found correct)	4235	3	\$30.00	92	3	\$30.00	92
Late Payment - per month	4225	1,801,067	1.50%	27,016	1,906,400	1.50%	28,596
Collection of account charge -- no disconnection	4225	2,025	\$30.00	60,751	2,025	\$30.00	60,751
Collection of account charge -- no disconnection -- after regular hours	4225		\$30.00			\$30.00	
Disconnect/Reconnect at meter -- during regular hours	4235	70	\$65.00	4,549	70	\$65.00	4,549
Disconnect/Reconnect at meter -- after regular hours	4235		\$185.00			\$185.00	
Disconnect/Reconnect at pole -- during regular hours	4235						
Disconnect/Reconnect at pole -- after regular hours	4235						
Install / remove load control device -- during regular hours	4235						
Install / remove load control device -- after regular hours	4235						
Service call -- customer-owned equipment	4235						
Service call -- after regular hours	4235						
Temporary service install and remove -- overhead -- no transformer	4235						
Temporary service install and remove -- underground -- no transformer	4235						
Temporary service install and remove -- overhead -- with transformer	4235						
Specific Charge for Access to the Power Poles -- per pole/year	4210		\$22.35			\$22.35	
Administrative Billing Charge	4235						
Layout fees	4235						
Retailer Service Agreement -- standard charge	4082		\$100.00			\$100.00	
Retailer Service Agreement -- monthly fixed charge (per retailer)	4082		\$20.00			\$20.00	
Retailer Service Agreement -- monthly variable charge (per customer)	4082	14,232	\$0.50	7,116	14,232	\$0.50	7,116
Distributor-Consolidated Billing -- monthly charge (per customer)	4082		\$0.30			\$0.30	
Retailer-Consolidated Billing -- monthly credit (per customer)	4082		(\$0.30)			(\$0.30)	
Service Transaction Request -- request fee (per request)	4084	884	\$0.25	221	884	\$0.25	221
Service Transaction Request -- processing fee (per processed request)	4084		\$0.50			\$0.50	
Interval Meter Load Management Tool	4235						
Customer Information request -- non-EBT (more than twice a year, per request)	4084		\$2.00			\$2.00	
TOTAL				142,557			144,137



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Attachment 3 Other Revenue Variance Analysis

2013 Approved vs 2013 Actual

USoA #	USoA Description			Variance	Variance
		2013 Approved	2013 Actual	\$	%
	<i>Reporting Basis</i>	CGAAP	CGAAP		
4235	Specific Service Charges	\$ 28,600	\$ 29,474	\$ 874	3.1%
4225	Late Payment Charges	\$ 92,500	\$ 91,285	-\$ 1,215	-1.3%
4082	Retail Services Revenues	\$ 12,200	\$ 3,076	-\$ 9,124	-74.8%
4080	Standard Supply Service -- Administrative Charge	\$ 15,317	\$ 16,668	\$ 1,351	8.8%
4084	Service Transaction Request	\$ 2,681	\$ 770	-\$ 1,911	-71.3%
4210	Rent from Electric Property	\$ 95,500	\$ 94,610	-\$ 890	-0.9%
4215	Other Utility Operating Income	\$ 2,500	\$ 4,480	\$ 1,980	79.2%
4325	Revenue from Merchandising	\$ 20,000	\$ 20,805	\$ 805	4.0%
4375	Revenues from Non Utility Operations	\$ 500	\$ 1,261	\$ 761	152.1%
4405	Interest and Dividend Income	\$ 3,500	\$ 3,178	-\$ 322	-9.2%
	Specific Service Charges	\$ 28,600	\$ 29,474	\$ 874	3.1%
	Late Payment Charges	\$ 92,500	\$ 91,285	-\$ 1,215	-1.3%
	Other Operating Revenues	\$ 128,198	\$ 119,604	-\$ 8,594	-6.7%
	Other Income or Deductions	\$ 24,000	\$ 25,243	\$ 1,243	5.2%
	Total	\$ 273,298	\$ 265,607	-\$ 7,691	-2.8%

2014 Actual vs 2013 Actual

USoA #	USoA Description			Variance	Variance
		2013 Actual	2014 Actual	\$	%
	<i>Reporting Basis</i>	CGAAP	CGAAP		
4235	Specific Service Charges	\$ 29,474	\$ 31,551	\$ 2,077	7.0%
4225	Late Payment Charges	\$ 91,285	\$ 75,041	-\$ 16,244	-17.8%
4082	Retail Services Revenues	\$ 3,076	\$ 7,226	\$ 4,150	134.9%
4080	Standard Supply Service -- Administrative Charge	\$ 16,668	\$ 16,829	\$ 161	1.0%
4084	Service Transaction Request	\$ 770	\$ 490	-\$ 280	-36.4%
4210	Rent from Electric Property	\$ 94,610	\$ 90,639	-\$ 3,971	-4.2%
4215	Other Utility Operating Income	\$ 4,480	\$ 1,536	-\$ 2,944	-65.7%
4325	Revenue from Merchandising	\$ 20,805	\$ 17,747	-\$ 3,058	-14.7%
4375	Revenues from Non Utility Operations	\$ 1,261	\$ 842	-\$ 419	-33.2%
4405	Interest and Dividend Income	\$ 3,178	\$ 4,633	\$ 1,455	45.8%
	Specific Service Charges	\$ 29,474	\$ 31,551	\$ 2,077	7.0%
	Late Payment Charges	\$ 91,285	\$ 75,041	-\$ 16,244	-17.8%
	Other Operating Revenues	\$ 119,604	\$ 116,720	-\$ 2,884	-2.4%
	Other Income or Deductions	\$ 25,243	\$ 23,222	-\$ 2,021	-8.0%
	Total	\$ 265,607	\$ 246,534	-\$ 19,073	-7.2%



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2015 Actual vs 2014 Actual

USoA #	USoA Description	2014 Actual	2015 Actual	Variance	Variance
				\$	%
	<i>Reporting Basis</i>	<i>CGAAP</i>	<i>CGAAP</i>		
4235	Specific Service Charges	\$ 31,551	\$ 29,426	-\$ 2,125	-6.7%
4225	Late Payment Charges	\$ 75,041	\$ 88,131	\$ 13,090	17.4%
4082	Retail Services Revenues	\$ 7,226	\$ 6,970	-\$ 256	-3.5%
4080	Standard Supply Service -- Administrative Charge	\$ 16,829	\$ 17,050	\$ 221	1.3%
4084	Service Transaction Request	\$ 490	\$ 432	-\$ 58	-11.8%
4210	Rent from Electric Property	\$ 90,639	\$ 88,868	-\$ 1,771	-2.0%
4215	Other Utility Operating Income	\$ 1,536	-\$ 457	-\$ 1,993	-129.8%
4325	Revenue from Merchandising	\$ 17,747	\$ 38,002	\$ 20,255	114.1%
4375	Revenues from Non Utility Operations	\$ 842	\$ 6,488	\$ 5,646	670.5%
4405	Interest and Dividend Income	\$ 4,633	\$ 892	-\$ 3,741	-80.7%
	Specific Service Charges	\$ 31,551	\$ 29,426	-\$ 2,125	-6.7%
	Late Payment Charges	\$ 75,041	\$ 88,131	\$ 13,090	17.4%
	Other Operating Revenues	\$ 116,720	\$ 112,863	-\$ 3,857	-3.3%
	Other Income or Deductions	\$ 23,222	\$ 45,382	\$ 22,160	95.4%
	Total	\$ 246,534	\$ 275,802	\$ 29,268	11.9%

2016 Bridge vs 2015 Actual

USoA #	USoA Description	2015 Actual	2016 Bridge	Variance	Variance
				\$	%
	<i>Reporting Basis</i>	<i>MIFRS</i>	<i>MIFRS</i>		
4235	Specific Service Charges	\$ 29,426	\$ 30,045	\$ 619	2.1%
4225	Late Payment Charges	\$ 88,131	\$ 87,767	-\$ 364	-0.4%
4082	Retail Services Revenues	\$ 6,970	\$ 7,116	\$ 146	2.1%
4080	Standard Supply Service -- Administrative Charge	\$ 17,050	\$ 17,408	\$ 358	2.1%
4084	Service Transaction Request	\$ 432	\$ 221	-\$ 211	-48.8%
4210	Rent from Electric Property	\$ 88,868	\$ 88,735	-\$ 133	-0.1%
4215	Other Utility Operating Income	-\$ 457	\$ 5,766	\$ 6,223	-1361.7%
4325	Revenue from Merchandising	\$ 38,002	\$ 45,493	\$ 7,491	19.7%
4375	Revenues from Non Utility Operations	\$ 6,488	\$ 860	-\$ 5,628	-86.7%
4405	Interest and Dividend Income	\$ 892	\$ 2,400	\$ 1,508	169.1%
	Specific Service Charges	\$ 29,426	\$ 30,045	\$ 619	2.1%
	Late Payment Charges	\$ 88,131	\$ 87,767	-\$ 364	-0.4%
	Other Operating Revenues	\$ 112,863	\$ 119,246	\$ 6,383	5.7%
	Other Income or Deductions	\$ 45,382	\$ 48,753	\$ 3,371	7.4%
	Total	\$ 275,802	\$ 285,811	\$ 10,009	3.6%

2017 Test vs 2016 Bridge

[illegible]