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November 5, 2013

BY COURIER & RESS

Ms. Kirsten Walli, Board Secretary
ONTARIO ENERGY BOARD
2300 Yonge Street, 26th Floor, P.O. Box 2319
TORONTO, ON M4P 1E4

Re: Board File No. EB-2013-0147
Kitchener-Wilmot Hydro Inc. – Undertakings from Technical Conference

Dear Ms. Walli:

On October 28, 2013, a Technical Conference was held at the OEB offices as per Procedural Order #2, issued October 18, 2013 in Kitchener-Wilmot Hydro Inc.'s application for rates effective January 1, 2014. Following the Technical Conference, KWHI had a number of undertakings to complete and submit to the Board, due November 5, 2013. KWHI now submits its responses to the assigned undertakings.

KWHI's submission, which has been previously electronically filed through the Board's web portal, consists of two (2) hard copies.

Respectfully submitted,

Original Signed by

Margaret Nanninga, MBA, CGA
Vice-President Finance

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UNDERTAKINGS

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UNDERTAKING NO. JT1.1: 6 ENERGY PROBE 74	5
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Please provide an update to 6-Energy Probe-53, if necessary, to reflect any further changes that result from the responses to the supplemental interrogatories. Please provide both the Excel version of the RRWF and an updated tracking sheet.

Attached find an updated RRWF (attached to this document as Attachment A) as well as an updated Tracking Sheet (attached as Attachment B)

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UNDERTAKING NO. JT1.2: 9 STAFF 57 TC

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KWHI provided Appendix 2-ED but did not provide the Appendices 2-B, Fixed Asset Continuity Schedules to support the PP&E values under the **former** CGAAP and PP&E values under the **Revised** CGAAP for 2012 and 2013.

Appendix 2-ED showed the credit balance in Account 1576 as \$7,394,761. Board staff noted however, that in the rate rider calculation for Account 1576, the credit balance of \$7,658,548 was used instead and did not show the volumetric data.

- a) Please provide the Appendices 2-B, Fixed Asset Continuity Schedules to support the PP&E values under the **former** CGAAP and PP&E values under the **Revised** CGAAP and tie the balances in the Appendix 2-ED with the two Appendices 2-B.

KWHI has recalculated the balance of account 1576 net of WIP using the updated capital additions for 2013 and overhead conversion factors. KWHI's original pre-2012 CGAAP additions in 2013 were based on Engineering staff estimates of pre-2012 additions under MCGAAP. KWHI has recalculated the balances based on actual historical differences.

In order to calculate the pre-2012 CGAAP balances, factors were derived and applied to the post-2011 MCGAAP additions. These factors were calculated using actual 2012 and 2013 additions to fixed assets. To calculate, all of the post-2012 MCGAAP overheads were removed from each job and the pre-2011 CGAAP overheads were then applied. This calculation allowed a factor to be calculated that showed, by asset type, the increase that should be applied to a post-2011 MCGAAP job to arrive at a post-2012 CGAAP amount.

Based on actual differences between capital additions in 2012 and to August 2013, KWHI has updated the amounts that would be transferred to capital under both pre-2012 CGAAP and post-2011 MCGAAP. The resulting balance of account 1576 net of a rate of return on capital as of December 31, 2013 is forecast to be \$4,873,065. This is calculated as the 2013 opening balance of \$2,772,056 and additions of \$2,101,009 in 2013 (net of WIP). KWHI has further calculated a return on capital of \$583,793 on the closing 2013 balance of account 1576 using a rate of return of 5.99% using the declining balance method to reflect amounts refunded to ratepayers each year.

A revised Appendix 2-ED is attached, as Attachment C along with the requested Appendices 2-B. The numbers tie together as requested.

As discussed in the Technical Conference of October 28, 2013, KWHI submitted that the 7.31% deemed rate of return on capital is appropriate for the two years 2012 and 2013 when the balances accumulated. KWHI notes that Board policy has been to apply the deemed rate of return on capital for the four years following when rates are reset at the rate of return updated upon a cost of service application being approved.

Under current Board policy, the rate of return on capital is applied to the balance of account 1575/1576 using the full balance of account 1576 for the entire four years following the next cost of service. KWHI submits that since the balance of the account is refunded evenly to ratepayers over four years, the balance used to calculate the rate of return should be based on the declining balance of the balance each year, rather than on the full balance for the entire four years. Based on this methodology, KWHI has applied the 5.99% rate of return on the declining balance of \$4,873,065 over the four year period 2014 through 2017 which provides a return component of \$583,793 over the four years.

Further, KWHI has calculated the value of its lost WIP as per the Powerstream Decision EB-2012-0161. The balance of the lost WIP is a debit balance of \$765,071 as shown below:

LOST WIP CALCULATION

	MCGAAP	Pre-2012 CGAAP	Difference
WIP Dec 2012	8,679,583	10,630,345	1,950,762
Less 2011 WIP still in WIP Dec 2012			(1,037,087)
WIP Dec 2013	4,737,585	5,779,854	1,042,269
Less 2012 WIP still in WIP Dec 2013			(915,030)
			1,040,913
Tax Benefit 26.5%			275,842
WIP Lost			<u>765,071</u>

The value of ending WIP for pre-2012 CGAAP purposes is different than previously stated because there was an error of \$1.463M that was double counted. WIP was previously calculated under MCGAAP as:

WIP balance under MCGAAP	\$8.679M
Less MCGAAP overheads	(\$4.078M)
Plus pre-2012 CGAAP overheads	\$6.048M
Less existing CGAAP overheads	<u>(\$1.463M)</u>
Total	\$9.186M

The last entry of \$1.463M was a formulaic error and resulted in a double counting of the existing CGAAP overheads. This has now been corrected.

- b) Please recalculate the rate riders showing the correct balance calculated in Appendix 2-ED as well as the volumetric data used in the calculation of the rate riders under Account 1576.

KWHI has updated its rate riders based on the above changes to the account 1576 balance outlined above, inclusive of the lost WIP. See table below:

Kitchener-Wilmot Hydro Inc.
 2014 Cost of Service Rates Application
 EB-2013-0147
 Undertaking Responses

Rate Rider Calculation - Account 1576 & Lost WIP

Deferral and Variance Accounts	Balances at Dec. 31, 2013	ALLOCATOR	Residential	GS < 50	GS > 50	Large User	Unmetered Scattered Load	Street Lighting	Embedded Distributor	Total
1576	\$ (5,456,858)	As per Energy Probe	\$ (2,983,448)	\$ (736,141)	\$ (1,607,702)	\$ (42,641)	\$ (55,286)	\$ (15,676)	\$ (15,963)	\$ (5,456,858)
1576	\$ 765,071	Lost WIP	\$ 418,290	\$ 103,210	\$ 225,406	\$ 5,978	\$ 7,751	\$ 2,198	\$ 2,238	\$ 765,071
Subtotal - Group 2	\$ (4,691,787)		\$ (2,565,158)	\$ (632,931)	\$ (1,382,297)	\$ (36,663)	\$ (47,535)	\$ (13,478)	\$ (13,725)	\$ (4,691,787)

Balance to be collected or refunded, Variable	\$ (4,691,787)	\$ (2,565,158)	\$ (632,931)	\$ (1,382,297)	\$ (36,663)	\$ (47,535)	\$ (13,478)	\$ (13,725)	\$ (4,691,787)
Number of years for Variable	4								
Balance to be collected or refunded per year, Variable	\$ (1,172,947)	\$ (641,290)	\$ (158,233)	\$ (345,574)	\$ (9,166)	\$ (11,884)	\$ (3,370)	\$ (3,431)	\$ (1,172,947)

Class	Residential	GS < 50	GS > 50	Large User	Unmetered Scattered Load	Street Lighting	Embedded Distributor
Deferral and Variance Account Rate Rider, Variable Billing Determinants	\$ (0.0010) kWh	\$ (0.0007) kWh	\$ (0.1552) kW	\$ (0.1455) kW	\$ (0.0035) kWh	\$ (0.0746) kW	\$ (0.0768) kW

a) Please provide the allocation by rate class if Total Net Plant plus Directly Allocated Net Fixed Assets (from sheet O1 of the cost allocation model) were used as the allocator for Account 1576, in the same format as that shown in the August 9 material.

>>Updated Nov 5	\$184,244,662	\$100,732,777	\$24,854,957	\$54,282,256	\$1,439,728	\$1,866,684	\$529,282	\$538,978
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UNDERTAKING NO. JT1.3: 9 ENERGY PROBE 75

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See updates to 9-Energy Probe-75 below:

- a) Please explain what paragraph 31 in the Responses refers to as the "outstanding issues" that need to be resolved. If this relates to the inclusion, or not, of WIP, please provide responses to parts (b), (c) and (d) below based on both approaches.

KWHI believes that there were four (4) outstanding issues with regard to calculation of account 1576 – Accounting Changes Under CGAAP. These issues are outlined below:

1. Updated capital expenditures for 2013 need to be included in the updated balance of 1576. **Complete**
2. KWHI does not believe that Appendix 2-ED accurately reflects the overall intent of account 1576 and this is shown in the calculations embedded in Appendix 2-ED. Further, KWHI believes that its calculation with respect to the rate of return used in the calculation of the balance of 1576 is the one that should be used for the purposes of this application.

In calculating the balance of 1576, KWHI calculated the differences between its capitalization policies and forecasted the balance of account 1576 as at December 31, 2013. The assets in account 1576 are assets that were in use during the period 2010-2013; therefore, the deemed return that was earned on them was the 7.31%. After the completion of this Cost of Service application, those same assets will return 5.99% and this return is reflected in the rates being applied for.

Based on the above information, the deemed return of 7.31% was only earned during the period 2012 and 2013 and thus the rate of return to apply to the balance of account 1576 should only apply to that same period. By doing so, only the "excess" return that was earned on the assets during the prior rebasing period (2010-2013) would be returned to ratepayers.

KWHI submits that the return of 5.99%, which was added to Appendix 2-ED through direction from Board staff in the Interrogatory process, is not the correct return to use as the assets that are in service at the beginning of January 2014 are earning 5.99%. These assets have already been revalued in 2012. **This is still KWHI's position; however, KWHI has applied the 5.99% rate of return as per Board policy. The rate of return has been calculated on the declining balance year-over-year to reflect the amounts already refunded to ratepayers.**

3. As noted in its Interrogatory responses, KWHI believes that WIP should be included in its calculation of account 1576. KWHI has calculated the balance of its lost WIP. This has been separated out from the fixed asset balances and shown as a separate line in the rate rider calculation for account 1576. **KWHI has calculated the balance of its lost WIP. This has been separated out from**

the fixed asset balances and shown as a separate line in the rate rider calculation for account 1576.

4. **KWHI did not apply the half-year rule for depreciation expense in its forecast. KWHI is unsure if it should have applied the half-year rule in its calculations. KWHI has updated Appendix 2-ED to be consistent with its regulatory statements per the request of Energy Probe. KWHI has updated Appendix 2-ED to be consistent with its regulatory statements per the request of Energy Probe.**

- b) Please provide an updated version of Appendix 2-ED that reflects the capital expenditures for 2013 shown in the response to 2-Energy Probe-10.

Complete. Note that the balance of account 1576 as at December 31, 2012 has changed to reflect the removal of WIP from the balance. See JT1.2. See Attachment C.

- c) Please provide an updated version of Table 9-28 in Exhibit 9, Tab 1, Schedule 9 that reflects the capital expenditures for 2013 shown in the response to 2-Energy Probe-10.

Complete. See table below:

Description	2011 Actual	2012 Actual	2013 Forecast	2014 Forecast
PP&E Values Assuming "previous" CGAAP Accounting Policies Continued				
Opening net PPE	143,258,346	152,037,099	160,841,958	174,649,103
Additions	11,336,810	16,364,527	25,896,100	
Depreciation	(2,558,057)	(7,559,668)	(12,088,955)	
Closing Net PP&E	152,037,099	160,841,958	174,649,103	174,649,103
PP&E Values Assuming Accounting Changes under GAAP in 2012				
Opening net PPE	143,258,346	152,037,099	163,614,014	179,522,168
Additions	11,336,810	14,994,871	23,284,998	
Depreciation	(2,558,057)	(3,417,956)	(7,376,844)	
Closing Net PP&E	152,037,099	163,614,014	179,522,168	179,522,168
Difference in Closing net PP&E	-	(2,772,056)	(4,873,065)	(4,873,065)
Variance Account 1576				
Opening Balance	-	-	(2,772,056)	(4,873,065)
Amount Added	-	(2,772,056)	(2,101,009)	-
Closing Balance in Deferral Account	-	(2,772,056)	(4,873,065)	(4,873,065)

- d) Please provide a reconciliation for any differences between the figures provided in the responses to (b) and (c) above.

Complete. See table below:

Kitchener-Wilmot Hydro Inc.
2014 Cost of Service Rates Application
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	As Filed	Updated	Variance	As Filed	Updated	Variance
Description	2012 Actual	2012 Actual	2012 Actual	2013 Forecast	2013 Actual	2013 Actual
PP&E Values Assuming "previous" CGAAP Accounting Policies Continued						
Opening net PPE	152,895,073	152,037,099	(857,974)	170,299,474	160,841,958	(9,457,516)
Additions	31,043,283	16,364,527	(14,678,756)	19,021,591	25,896,100	6,874,509
Depreciation	(13,638,882)	(7,559,668)	6,079,214	(12,368,981)	(12,088,955)	280,026
Closing Net PP&E	170,299,474	160,841,958	(9,457,516)	176,952,084	174,649,103	(2,302,981)
PP&E Values Assuming Accounting Changes under GAAP in 2012						
Opening net PPE	152,895,073	152,037,099	(857,974)	172,564,687	163,614,014	(8,950,673)
Additions	29,167,099	14,994,871	(14,172,228)	17,971,915	23,284,998	5,313,083
Depreciation	(9,497,485)	(3,417,956)	6,079,529	(7,643,125)	(7,376,844)	266,281
Closing Net PP&E	172,564,687	163,614,014	(8,950,673)	182,893,477	179,522,168	(3,371,309)
Difference in Closing net PP&E	(2,265,213)	(2,772,056)	(506,843)	(5,941,393)	(4,873,065)	1,068,328
Variance Account 1576						
Opening Balance	-	-	-	(2,772,056)	-	(506,843)
Amount Added	(2,265,213)	(2,772,056)	(506,843)	(3,169,337)	(2,101,009)	(561,486)
Closing Balance in Deferral Account	(2,265,213)	(2,772,056)	(506,843)	(5,941,393)	(4,873,065)	(1,068,328)

The difference of \$506,843 in the balance for 2012 is the removal of the WIP balances that increased using MCGAAP.

The difference of \$1,068,328 in 2013 is made up of:

1. Revised capital additions forecast for 2013 under MCGAAP
2. Revised capital additions factor under pre-2011 CGAAP to reflect actual 2012 and 2013 historical differences
3. Revised depreciation expense based on the new capital additions for 2013
4. Removal of the WIP balance.

e) When including WIP in the calculation, did KWHI use the after-tax amount, as provided for in the EB-2012-0161 Decision?

No, KWHI did not use the after-tax amounts as provided for in the EB-2012-0161 Decision. KWHI will adjust for it as part of this update. KWHI has updated the WIP amounts to after tax figures. See JT1.2.

Description

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UNDERTAKING JT1.4: TO PROVIDE RESPONSE TO
VECC TECHNICAL CONFERENCE QUESTION 46, IN
PARTICULAR PARTS (B) AND (C)

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3.0 – VECC TCQ – 46

Reference: 3-Staff-17 a) – Final 2012 OPA Report & 3-VECC-13 f)

Preamble: Page 8 of the Final 2012 OPA Report shows the impact of the 2012 CDM programs declining after 2012 (i.e. 6.6 GWh in 2012 but only 6.4 GWh in 2014). In contrast, in its Application (Table 3-29), Kitchener-Wilmot assumed the 2012 savings would persist in future years.

- b) Please revise the response to VECC 13 f) to reflect the results in the OPA's final 2012 Report as to the impact in 2013 and 2014 of the 2011 and 2012 CDM programs.

See below for the updated amounts.

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Third Tranche	292,583	4,688,792	11,539,979	13,901,639	14,769,006	14,630,348	14,630,348	14,282,990	9,108,721	9,108,721
2006 Programs		6,036,035	6,036,035	6,036,035	6,036,035	1,048,326	1,048,326	958,933	958,933	901,065
2007 Programs			3,887,775	3,111,482	3,016,918	3,016,918	3,016,608	2,920,674	2,920,674	2,920,674
2008 Programs				4,009,754	3,663,596	3,663,596	3,663,596	3,373,055	3,372,487	3,070,530
2009 Programs					9,169,960	7,890,852	7,890,852	7,887,707	7,794,413	7,491,580
2010 Programs						9,393,558	7,125,232	7,116,405	7,115,045	7,023,483
2011 Programs							12,882,629	12,777,283	12,766,733	12,588,174
2012 Programs								6,561,443	6,500,000	6,400,000
Total	292,583	10,724,827	21,463,789	27,058,909	36,655,515	39,643,598	50,257,589	55,878,490	50,598,449	49,665,669

- c) Please provide a revised total system purchase forecast (prior to CDM and LU adjustment) based on the Kitchener-Wilmot's regression model but updating the CDM variable for 2013 and 2014 to the reflect these revised estimates as to the impact of 2005-2012 CDM programs in 2013 and 2014.

The revised total system purchase weather corrected forecast reflecting all changes made to date is 1797.7 GWh. See table below:

Kitchener-Wilmot Hydro Inc.
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		Residential	GS<50 kW	GS>50 kW	Large User	Streetlights	USL	
Weather Corrected Forecast before 2013 and 2014 CDM Adjustments								
	2013	1,813,730,532	642,194,502	240,061,705	845,946,573	66,016,829	15,898,680	3,612,242
	2014	1,797,737,096	650,858,143	243,228,961	852,305,349	31,798,990	16,128,465	3,417,188
Weather Normalization Percentage from 2006 Hydro One Study								
% Weather Sensitive		82.00%	82.00%	64.00%				
	2013	(18,459,733)	532,908,579	199,209,027	546,455,145	0	0	0
	2014	(10,767,216)	537,391,366	200,825,856	548,412,649	0	0	0
Allocation of Weather Sensitive Amount								
	2013	(7,694,009)	(2,876,133)	(7,889,591)	0	0		0
	2014	(4,497,182)	(1,680,620)	(4,589,414)	0	0		0
Manual Adjustment to the Load Forecast from 2013 and 2014 Programs on a Net Level								
CDM	2013	(7,905,847)	(1,421,309)	(1,392,713)	(5,091,826)	0	0	0
	2014	(17,167,541)	(3,086,371)	(3,024,275)	(11,056,896)	0	0	0
Weather Corrected Forecast after 2013 and 2014 CDM Adjustments								
	2013	1,805,824,684	640,773,193	238,668,992	840,854,748	66,016,829	15,898,680	3,612,242
	2014	1,780,569,555	647,771,772	240,204,686	841,248,453	31,798,990	16,128,465	3,417,188

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**UNDERTAKING JT 1.5: TO CLARIFY LOCATION OF
 UP-TO-DATE NUMBERS FOR VECC IR 46(a)**

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See Table 3-29 revised below:

4 Year 2011 to 2014 kWh Net Savings Forecast					
98,411,344					
	2011	2012	2013	2014	Total
2011 Programs	13.1%	13.0%	13.0%	12.8%	51.8%
2012 Programs		6.7%	6.6%	6.5%	20.0%
2013 Programs			9.5%	9.5%	18.8%
2014 Programs				9.5%	9.4%
	13.1%	19.7%	29.0%	38.2%	100.0%
kWh					
2011 Programs	12,882,629	12,777,283	12,766,733	12,588,174	51,014,819
2012 Programs		6,561,443	6,500,000	6,400,000	19,684,329
2013 Programs			9,311,694	9,311,694	18,474,798
2014 Programs				9,311,694	9,237,399
	12,882,629	19,338,726	28,578,427	37,611,562	98,411,344

3,250,000	3,200,000
4,655,847	9,311,694
	4,655,847
7,905,847	17,167,541

The table has been updated in KWHI's updated load forecast to 6,500,000 kWh for 2013 and 6,400,000 kWh for 2014. Note the numbers in the OPA report are in GWh and would be more accurate if additional details were to be provided by the OPA.

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UNDERTAKING NO. JT1.6: TO PROVIDE REVISED LOAD FORECAST FOR 2014	
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In order to prepare the response to this undertaking, KWHI reviewed a few 2013 settlement agreements and Appendix 2-I of the Chapter 2 Appendices which support the Board's Filing Requirements for Electricity Distribution Rate Applications dated July 17, 2013. It appears a consistent method was used in these cases. When this method is applied, the 2014 CDM manual adjustment would be the half year rule being applied to 2012 programs persisting into 2014, a full year of 2013 programs persisting into 2014 along with the half year rule being applied to 2014 programs. The resulting manual CDM adjustment for 2014 would be 17,167,541 kWh. This manual CDM adjustment has been included in the revised load forecast provided as Attachment D. In addition, the revised load forecast is KWHI's current position on the load forecast to be used for rate setting purposes for 2014 approved rates.

(Excel file is Load Forecasting Model 2014-Undertakings)

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**UNDERTAKING JT1.7: TO PROVIDE VALUE FOR VECC
 53(C)(I), (II) AND (III), AND TO PROVIDE RESULTING
 PERCENTAGE FOR VECC 53(C)(I), (II) AND (III)**

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c) From Kitchener-Wilmot's 2014 cost allocation what are (with reference to the source used from the cost allocation model):

i. The total General Plant costs that are being allocated'

From Sheet I4 - \$19,951,002 (Net) – No Change

ii. The total value of the allocation base used,

From Sheet O6 - \$203,958,221 (Net) – No Change

iii. The cost for the assets allocated to the Embedded Distributor, and

From Sheet I3 - \$538,978 (Net) - Changed

iv. The resulting percentage for (i)/((ii)+(iii)).

9.76% - Changed

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UNDERTAKING JT1.8: CONFIRM WHETHER SHEET I-9, CELLS N-149, N-150 AND N-151 ALLOCATOR MIXES NET AND GROSS BOOK VALUES	
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Confirmed. Sheet I-9 in cells N149, N150 and N151 mixes Net and Gross Values

Appendix 2-Q uses Gross Book Value; the Cost Allocation Model mixes Net and Gross Book Values.

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**UNDERTAKING JT1.9: TO REDO TABLE AT RESPONSE
TO VECC TECHNICAL CONFERENCE QUESTION 58(B),
USING EXISTING RATES**

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- a) See updated tables below showing the fixed/variable split *before* the COT discount is applied on distribution revenue at existing rates. These tables are updated based on latest revenue requirement:

Class	Fixed Distribution Revenue	Variable Distribution Revenue	Dist. Rev. Before COT Discount	Transformer Allowance	Dist. Rev. After COT Discount Applied	Fixed % Before COT Discount Applied	Variable % Before COT Discount Applied
Residential	9,671,418	11,206,452	20,877,870		20,877,870	46.32%	53.68%
GS <50 kW	2,415,712	2,978,538	5,394,250		5,394,250	44.78%	55.22%
GS >50 kW	2,695,745	9,035,705	11,731,450	631,891	11,099,559	22.98%	77.02%
Large Use	174,019	87,068	261,088	37,801	223,286	66.65%	33.35%
Street Lighting	236,285	241,013	477,297		477,297	49.50%	50.50%
Unmetered Scattered Load	90,994	56,725	147,719		147,719	61.60%	38.40%
Embedded Distributor	0	71,835	71,835		71,835	0.00%	100.00%
	15,284,172	23,677,337	38,961,509	669,692	38,291,817	39.23%	60.77%

- a) See updated tables below showing the fixed/variable split *after* the COT discount is applied on distribution revenue at existing rates. These tables are updated based on latest revenue requirement:

Class	Fixed Distribution Revenue	Variable Distribution Revenue	Dist. Rev. Before COT Discount	Transformer Allowance	Dist. Rev. After COT Discount Applied	Fixed % After COT Discount Applied	Variable % After COT Discount Applied
Residential	9,671,418	11,206,452	20,877,870	0	20,877,870	46.32%	53.68%
GS <50 kW	2,415,712	2,978,538	5,394,250	0	5,394,250	44.78%	55.22%
GS >50 kW	2,695,745	9,035,705	11,731,450	631,891	11,099,559	24.29%	75.71%
Large Use	174,019	87,068	261,088	37,801	223,286	77.94%	22.06%
Street Lighting	236,285	241,013	477,297	0	477,297	49.50%	50.50%
Unmetered Scattered Load	90,994	56,725	147,719	0	147,719	61.60%	38.40%
Embedded Distributor	0	71,835	71,835	0	71,835	0.00%	100.00%
	15,284,172	23,677,337	38,961,509	669,692	38,291,817	39.91%	60.09%

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UNDERTAKING JT1.10: TO RECONCILE THE AMOUNTS
IN RESPONSE TO ENERGY PROBE TECHNICAL CONFERENCE
QUESTION 66, PARTS (B), (C) AND (D), APPLYING THE
HALF-YEAR RULE

23

b) KWHI has revised the inflation numbers from the Cost Driver table and thus the amounts quoted in the Technical Conference have also changed. The inflation impact has been revised to \$63,604. The tracking sheet and the cost driver table have been revised accordingly. The adjustment to the tracking sheet (which already included \$11,200) is \$52,404. The calculation of inflation is presented below:

Amount of inflation on labour per Exhibit 4, Tab 2, Schedule 2, Page 2 at 2.85%:	\$ 225,792
Base labour (inclusive of the above \$225,792)	\$ 7,922,526
 Total OM&A per Revenue Sufficiency schedule (prior to inflation adjustment)	 \$18,918,000
 Less Base labour of \$7,922,526	 \$10,995,474
 Multiply by filed inflation rate of 2.0%	 \$ 215,598
Multiply by updated inflation rate of 1.6%	\$ 173,157
 Difference	 \$ 42,440
Subtract amount already recognized	\$ 11,200
Additional adjustment required to inflation	\$ 31,240

The \$31,240 represents the 0.4% decrease in the non-labour inflation estimate.

c) The impact for a materials only inflation change of 0.1% is \$10,800. KWHI assumes that this number should be based on the values for non-labour costs before inflation of \$10,822,317.

d) The impact for a 0.1% change to labour costs is \$7,923, based on OM&A labour costs of \$7,922,526 (see above).

<u>Description</u>	<u>Page No.</u>
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UNDERTAKING NO. JT1.11: TO CLARIFY THE ANSWER TO 9 STAFF 44	
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28

KWHI provided Appendix 2-ED but did not provide the Appendices 2-B, Fixed Asset Continuity Schedules to support the PP&E values under the **former** CGAAP and PP&E values under the **Revised** CGAAP for 2012 and 2013.

Appendix 2-ED showed the credit balance in Account 1576 as \$7,394,761. Board staff noted however, that in the rate rider calculation for Account 1576, the credit balance of \$7,658,548 was used instead and did not show the volumetric data.

- a) Please provide the Appendices 2-B, Fixed Asset Continuity Schedules to support the PP&E values under the **former** CGAAP and PP&E values under the **Revised** CGAAP and tie the balances in the Appendix 2-ED with the two Appendices 2-B.

See JT1.2. Appendices 2-B has been attached as Attachment C.

- b) Please recalculate the rate riders showing the correct balance calculated in Appendix 2-ED as well as the volumetric data used in the calculation of the rate riders under Account 1576.

See JT1.2 for the calculation of the recalculated rate riders and the volumetric data as requested.

Description	Page No.
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**UNDERTAKING JT1.12: TO PROVIDE COST-BENEFIT
ANALYSIS FOR NEWEST TRANSFORMER STATION**

35

KWHI and its predecessor, Kitchener Public Utilities Commission (PUC), has been in the business of building and operating its own transformer stations for nearly sixty years. KWHI currently owns and operates eight transformer stations and has the staff and equipment to design, build, maintain and operate transformer stations. It is one of the core competencies of the organization.

KWHI has a solid record of continuing to reinvest in its transformer station assets. Aging and obsolete equipment have been replaced or upgraded on a planned and timely basis. Consequently, there is no liability for major station rebuilds looming on the horizon. KWHI also owns its own spare power transformer in case of an unplanned equipment failure to maintain a secure and reliable distribution network.

A planning study performed in 1995 identified the need for a new 27.6 kV transformer station be constructed near the load centre in New Hamburg & Baden. Benefits of a new transformer station include:

- (i) Improved system efficiency (by reducing line losses).
- (ii) Improved voltage regulation.
- (iii) Future costs to construct additional feeders to accommodate load growth are avoided.
- (iv) Future costs to expand existing TS to accommodate load growth are avoided.
- (v) Future costs to modify existing TS to accommodate conversion of the distribution system to 27.6 kV operation are avoided.
- (vi) Future costs to build new Distribution Stations to accommodate load growth are avoided.
- (vii) Future costs to rebuild aging Distribution Stations are avoided.

The cost-benefit analysis in the attached spreadsheet was prepared to assist with the decision on whether or not to build a new transformer station.

The costs used in the spreadsheet were intentionally conservative in several respects to avoid overstating the benefits of constructing a new transformer station:

- (i) The population of Wilmot Township is expected to double over 25 years under the provinces Places To Grow legislation.
- (ii) No allowance was made for escalation in the cost of power (for line losses) or for escalation of transformation charges.
- (iii) The capital contributions to upgrade the existing station would likely be much more extensive than those identified in the spreadsheet.
- (iv) It is likely that a third feeder would be required to carry load from the existing TS to the load centre if the population doubled.

Despite the conservative assumptions, construction of a new transformer station was clearly the least cost option.

KWHI's cost/benefit analysis is shown below:

Dated: January 26, 2006

Project:
Build New T.S. in Wilmot Township

Construction & Operating Costs Over 25 Years		Savings (Avoided Costs) Over 25 Years	
1) Construct a new Transformer Station near the New Hamburg/Baden load centre:	\$ 12,859,000	1) Line Loss Avoidance over 25 years: (Doubles as load doubles)	
Total Build Costs (including land)	\$ 12,859,000	\$180,000/yr @ 3% growth/yr x 25 years	\$ 6,562,600
2) Spare Transformer (future)	\$ 1,000,000	2) IESO Transformation Connection Charge Avoidance: (assuming current rate of \$1.50/KW)	
3) Operating & Maintenance Costs - See Note 5 \$95,000/yr @ 3% load growth/yr x 25 years (results in \$193,000/yr at end of 25 years)	\$ 3,463,022	\$410,000/yr @ 3% load growth/yr x 25 years (results in \$833,400/yr at end of 25 years)	\$ 14,948,300
		3) Build (2) 27.6 KV Feeders (lines) to New Hamburg from Existing T.S.: via Huron Road \$ 6,000,000 via Hwy 7/8 \$ 3,000,000	\$ 9,000,000
		4) Upgrade existing (4) Distribution Stations in New Hamburg & Baden Construct (2) new Distribution Stations	\$ 1,950,000
		5) Avoided Capital Contributions to Upgrade Existing Station	\$ 1,950,000
Total Capital & Operating Costs	\$ 17,322,022	Total Savings	\$ 34,410,900

Notes:

1. Economic Evaluation Life of New T.S. = 25 Years
2. Asset Life of T.S. = 50 Years
3. Possible additional 27.6 KV feeder may be required for voltage conversion if undertaken in future.
4. Costs are in 2005 Dollars.
5. O & M Costs are 3 year average per KW (2003 - 2005)

Description

Page No.

UNDERTAKING NO. JT1.13: TO PROVIDE AN ADDITIONAL
TABLE TO RECONCILE AND PROVIDE FURTHER INFORMATION
TO THE TABLE ALREADY PROVIDED IN RESPONSE TO
ENERGY PROBE TECHNICAL CONFERENCE IR 29(A)

41

See table below which shows both the effect on the income statement and the balance sheet:

**Comparison of MCGAAP versus Pre-2012 CGAAP
December 2012**

	GAAP (post-2011)	GAAP (Pre-2012)	Variance
Fixed Assets	172,564,699	170,299,484	2,265,215
Changes to Net Fixed Assets			
Decreases to Fixed Assets	GAAP (new)	GAAP (old)	Variance
Direct labour-related burdens	1,364,057	1,612,068	(248,010)
Plant & material overheads	1,199,074	2,221,351	(1,022,277)
Engineering overheads	1,515,388	2,214,797	(699,410)
Miscellaneous overheads	(209,567)	(303,082)	93,515
Amortization	-	(4,141,397)	4,141,397
	3,868,951	1,603,736	2,265,215
Variance is account 1576			2,265,215

OM&A Adjustments

	GAAP (post-2011)	GAAP (Pre-2012)	Variance
Net Income	9,182,770	9,269,713	(86,942)
Changes to Net Income	GAAP (new)	GAAP (old)	Variance
Direct labour-related burdens	(1,361,482)	1,608,783	247,301
Plant & material overheads	(959,855)	1,565,324	605,469
Miscellaneous overheads	(3,555,552)	1,870,364	(1,685,188)
<i>Subtotal Burdens</i>	(5,876,889)	5,044,472	(832,418)
Reallocation of Trucks to Operations	-	-	-
Reallocation of Engineering	(626,084)	-	(626,084)
Reallocation of Wages to Expense	-	(233,837)	(233,837)
<i>Subtotal Reallocations</i>	(626,084)	(233,837)	(859,921)
Amortization	-	3,870,609	3,870,609
	(6,502,973)	8,681,244	2,178,271
Variance is account 1576			(2,265,213)

The difference to net income is \$86,942 which is due to the revisions made to cost allocations under each accounting methodology. See income statement below detailing the variance of \$86,942:

Income Statement Comparison

	MCGAAP	Pre-2012 CGAAP	Variance
REVENUE			
Sales Revenue			
Distribution Sales	37,718,901	37,718,901	-
Smart Meter Decision	5,150,879	5,150,879	-
Account 1576	(2,265,213)	-	(2,265,213)
Standard Supply Service Administration	247,539	247,539	-
Energy Sales	145,488,399	145,488,399	-
Wholesale Market Services	9,518,031	9,518,031	-
Transmission Services	15,275,418	15,275,418	-
Retailer Services	63,255	63,255	-
	<u>211,197,209</u>	<u>213,462,422</u>	<u>(2,265,213)</u>
Other Revenue	1,611,919	1,611,919	-
Non-Utility Operation Revenue (net)	<u>147,754</u>	<u>227,827</u>	<u>(80,073)</u>
<u>TOTAL REVENUE</u>	<u>212,956,882</u>	<u>215,302,168</u>	<u>(2,345,286)</u>
EXPENSES			
Power Supply Expense	170,281,848	170,281,848	-
Operations & Maintenance	10,048,061	8,343,162	1,704,899
Customer Accounts & Retailer Services	3,514,152	3,533,125	(18,974)
Administration	2,663,711	2,755,879	(92,168)
Community Relations	248,536	248,407	129
	<u>186,756,307</u>	<u>185,162,422</u>	<u>1,593,886</u>
Amortization, Interest and Taxes			
Amortization Expense	9,159,173	13,011,403	(3,852,230)
Interest Expense	5,834,702	5,834,702	-
Provision for Property & Capital Taxes	352,736	352,736	-
	<u>15,346,611</u>	<u>19,198,841</u>	<u>(3,852,230)</u>
<u>TOTAL EXPENSES</u>	<u>202,102,919</u>	<u>204,361,262</u>	<u>(2,258,344)</u>
			-
INCOME BEFORE PILs	10,853,963	10,940,906	(86,942)
Payments in Lieu of Corporate Income Tax	1,671,193	1,671,193	-
NET INCOME	<u>9,182,770</u>	<u>9,269,713</u>	<u>(86,942)</u>

Description

Page No.

**UNDERTAKING NO. JT1.14: TO UPDATE TABLES
FOUND AT RESPONSE TO 6 STAFF 31**

42

See table updated to coincide with the most recent revenue requirement model detailing return on actual rate base:

Return on Actual Rate Base (\$)

	2010 Board Approved	2009 Actual	2009 Actual vs. 2010 Board Approved	2010 Actual	2010 Actual vs. 2010 Board Approved	2010 Actual vs. 2009 Actual	2011 Actual	2011 Actual vs. 2010 Actual	2012 Actual	2012 Actual vs. 2011 Actual	2013 Bridge	2013 Bridge vs. 2012 Actual	2014 Test	2014 Test vs. 2013 Bridge
Total Operating Revenue	39,787,323	34,621,244	-13.0%	37,611,996	-5.5%	8.6%	40,278,148	7.1%	42,675,034	6.0%	36,813,080	-13.7%	39,402,422	7.0%
Distribution Expenses	24,719,148	21,848,109	-11.6%	22,459,645	-9.1%	2.8%	24,162,972	7.6%	26,410,960	9.3%	24,976,428	-5.4%	26,342,290	5.5%
Net Income Before PILs and Interest	15,068,175	12,773,136	-15.2%	15,152,351	0.6%	18.6%	16,115,175	6.4%	16,264,074	0.9%	11,836,652	-27.2%	13,060,132	10.3%
PILs	3,254,024	3,167,708	-2.7%	2,217,629	-31.8%	-30.0%	2,374,409	7.1%	1,671,193	-29.6%	158,359	-90.5%	406,544	0.0%
Net Income Before Interest	11,814,151	9,605,428	-18.7%	12,934,722	9.5%	34.7%	13,740,767	6.2%	14,592,881	6.2%	11,678,293	-20.0%	12,653,588	8.4%
Interest Expense	5,446,469	4,877,571	-10.4%	5,080,436	-6.7%	4.2%	5,256,761	3.5%	5,834,702	11.0%	5,127,500	-12.1%	5,064,997	-1.2%
Net Income After Interest	6,367,682	4,727,857	-25.8%	7,854,286	23.3%	66.1%	8,484,005	8.0%	8,758,179	3.2%	6,550,793	-25.2%	7,588,591	15.8%
Actual Rate Base	161,616,283	154,644,648	-4.3%	162,907,438	0.8%	5.3%	174,264,763	7.0%	185,879,369	6.7%	202,491,741	8.9%	211,263,664	4.3%
Actual Equity	64,646,513	99,307,989	53.6%	101,326,013	56.7%	2.0%	109,874,046	8.4%	115,406,733	5.0%	118,241,901	2.5%	123,155,732	4.2%
Return on Rate Base	7.31%	6.21%	-15.0%	7.94%	8.6%	27.8%	7.88%	-0.7%	7.85%	-0.4%	5.77%	-26.5%	5.99%	3.9%

The table below is updated detailing the return on deemed rate base:

Return on Deemed Rate Base (\$)

	2010 Board Approved	2009 Actual	2009 Actual vs. 2010 Board Approved	2010 Actual	2010 Actual vs. 2010 Board Approved	2010 Actual vs. 2009 Actual	2011 Actual	2011 Actual vs. 2010 Actual	2012 Actual	2012 Actual vs. 2011 Actual	2013 Bridge	2013 Bridge vs. 2012 Actual	2014 Test	2014 Test vs. 2013 Bridge
Total Operating Revenue	39,787,323	34,621,244	-13.0%	37,611,996	-5.5%	8.6%	40,278,148	7.1%	42,675,034	6.0%	36,813,080	-13.7%	39,402,422	7.0%
Distribution Expenses	24,719,148	21,848,109	-11.6%	22,459,645	-9.1%	2.8%	24,162,972	7.6%	26,410,960	9.3%	24,976,428	-5.4%	26,342,290	5.5%
Net Income Before PILs and Interest	15,068,175	12,773,136	-15.2%	15,152,351	0.6%	18.6%	16,115,175	6.4%	16,264,074	0.9%	11,836,652	-27.2%	13,060,132	10.3%
PILs	3,254,024	3,254,024	0.0%	3,254,024	0.0%	0.0%	3,254,024	0.0%	3,254,024	0.0%	0	-100.0%	406,544	0.0%
Net Income Before Interest	11,814,151	9,519,112	-19.4%	11,898,327	0.7%	25.0%	12,861,151	8.1%	13,010,050	1.2%	11,836,652	-9.0%	12,653,588	6.9%
Interest Expense	5,446,469	5,446,469	0.0%	5,446,469	0.0%	0.0%	5,446,469	0.0%	5,446,469	0.0%	6,823,972	25.3%	5,064,997	-25.8%
Net Income After Interest	6,367,682	4,072,643	-36.0%	6,451,858	1.3%	58.4%	7,414,682	14.9%	7,563,581	2.0%	5,012,680	-33.7%	7,588,591	51.4%
Rate Base	161,616,283	147,725,922	-8.6%	161,616,283	0.0%	9.4%	161,616,283	0.0%	161,616,283	0.0%	161,616,283	0.0%	211,263,664	30.7%
Deemed Equity	64,646,513	64,646,513	0.0%	64,646,513	0.0%	0.0%	64,646,513	0.0%	64,646,513	0.0%	64,646,513	0.0%	84,505,466	30.7%
Return on Rate Base	7.31%	6.44%	-11.9%	7.36%	0.7%	14.3%	7.96%	8.1%	8.05%	1.2%	7.32%	-9.0%	5.99%	-18.2%

Description

Page No.

**UNDERTAKING JT1.15: TO REVIEW TABLE IN APPENDIX
2JB AND CORRECT IF NECESSARY**

44

See revised table below:

Recoverable OM&A Cost Driver Table

OM&A	Last Rebasing Year (2010 Actuals)	2011 Actuals	2012 Actuals	2013 Bridge Year	2014 Test Year
<i>Reporting Basis</i>	CGAAP	CGAAP	CGAAP	CGAAP	CGAAP
Opening Balance	\$ 13,881,503	\$ 12,270,957	\$ 13,677,015	\$ 16,390,832	\$ 17,431,075
Pension and Payroll Benefits		\$ 29,260	\$ 108,143	\$ 108,013	\$ 72,373
General Salary Increases (includes inflation)		\$ 212,237	\$ 202,021	\$ 206,745	\$ 223,623
Human Resources - new Resource			\$ 67,759	\$ 51,040	\$ 4,300
LEAP	-\$ 47,476	\$ 47,475			
Diversion of Resources to OPA Programs	-\$ 38,898	-\$ 25,020	-\$ 46,393	-\$ 91,816	-\$ 9,875
HST Impact	-\$ 11,504	-\$ 39,810	-\$ 69,902	-\$ 40,000	
Diversion and reallocation of resources to complete TS9	-\$ 779,303	\$ 753,893			
Increase in Non recoverable Pole accidents		\$ 99,677	-\$ 32,428		
Additional Admin Credit	-\$ 257,997			\$ 101,425	-\$ 15,000
Collection of a bad debt previously deemed uncollectible	-\$ 266,362	\$ 146,300			
Reduction in AR Credit insurance - End of program	-\$ 106,950	-\$ 58,049			
Retirements and Resignations - Finance	-\$ 102,056				
Infrastructure Surveys				\$ 30,000	\$ 20,000
Remove Dead Ash Trees				\$ 50,000	\$ 50,000
Property and Liability Insurance		\$ 102,329	-\$ 42,500	\$ 120,357	\$ 15,300
IT programs				\$ 266,724	\$ 267,700
Increased Staffing Resources and Overtime				\$ 168,000	\$ 120,400
IFRS Changes			\$ 1,227,168	\$ 210,320	\$ 4,206
Monthly Billing - Customer Service - Billing & Collecting				\$ -	\$ 401,500
Regulatory Expenses				\$ 83,800	
Effect of the Smart Meter Decision			\$ 1,084,463	-\$ 739,463	
Increased Labour due to Smart Meters				\$ 162,986	
Increased OMA as a result of Smart Meters					\$ 6,900
Other programs (includes one time programs)		\$ 51,934	\$ 18,143	\$ 12,503	-\$ 57,799
Inflation (non-labour)		\$ 85,832	\$ 197,343	\$ 161,609	\$ 173,157
Increased labour due to maternity leave				\$ 40,000	-\$ 40,000
Ontario ON1Call				\$ 20,000	-\$ 20,000
Decreased O/H line maintenance					-\$ 49,100
TS & DS maintenance				\$ 118,000	-\$ 118,000
Closing Balance	\$ 12,270,957	\$ 13,677,015	\$ 16,390,832	\$ 17,431,075	\$ 18,480,760

Description

Page No.

**UNDERTAKING NO. JT1.16: TO PROVIDE A TABLE
TO SHOW ORIGINAL CAPITAL PROJECTS
IN THE 2013 BUDGET**

49

**See table below which compares the 2013 contributed capital estimates by projects
original budget to updated forecast:**

2013 Capital Contribution Estimate - Budget vs. Updated Forecast as of August 31, 2013

Summary

BUDGET CATEGORY	Contributed Capital	Contributed Capital
	2013 Budget	Updated Forecast
2 - Transformer Stations	-	-
3 - Poles & Wires	575,850	614,000
4 - Underground	2,792,600	2,232,000
5 - Distribution Transformers	567,100	400,000
TOTAL	3,935,550	3,246,000
Variance		(689,550)

Details

BUDGET ITEM NUMBER	DESCRIPTION	C.C.	C.C.	COMMENTS
		2013 Budget	Updated Forecast	
3-13-1	Special Work Orders - Misc. Overhead Distribution	0	20,000	
3-13-2	System Expansion to Supply New Developments / Distributed Generation	0	0	
3-13-3	Relocations Due to Roadway Modification Projects	159,500	212,000	
3-13-4	Single-Phase Pole Line Rebuilds			
3-13-5	Voltage Conversion			
3-13-6	Relocations Due to LRT	175,450	169,000	
3-13-7	Location: Vanier Drive : H/Way to Kipling Avenue	0	0	
3-13-8	Location: Ardelt Ave - Hanson to Ardelt Pl.	0	0	
3-13-9	Location: Hanson: Homer Watson Blvd. to Hayward Ave.	43,250	0	Incorrectly identified as road rebuilding project
3-13-10	Location: Union St - Lancaster St. to Boehmer St.	0	0	
3-13-11	Location: Berletts Rd - Sandhills Rd to No. 5 DS	0	0	
3-13-12	Location: Huron Rd - H1 ROW to Trussler Rd.	0	0	
3-13-13	Location: Oxford-Waterloo Rd: Sandhills Rd to End of 3-Ph Line (967245 Oxford Waterloo Rd)	0	0	
3-13-14	Location: Oxford St - Elizabeth St to X-Way	0	0	
3-13-15	Location: Webster Rd - Manitou Dr to Wilson Ave	51,400	0	Road rebuilding project deferred
3-13-16	Location: Wilmot Line - Berletts Rd to Cedar Grove	100,750	163,000	
3-13-17	Location: Cedar Grove Rd - Wilmot Line to end	45,500	50,000	
Category 3 SubTotal		575,850	614,000	

Kitchener-Wilmot Hydro Inc.
 2014 Cost of Service Rates Application
 EB-2013-0147
 Undertaking Responses

4-13-1	Special Work Orders - Misc. Underground Distribution	0	0	
4-13-2	Residential Underground Services	450,000	272,000	
4-13-3	Large Commercial & Industrial Services	297,500	196,000	
4-13-4	Residential Underground Distribution	1,430,000	879,000	Downturn in residential subdivision activity
4-13-5	System Expansion to Supply New Developments	0	0	
4-13-6	Relocations Due to Road Rebuilding Projects	91,350	200,000	
4-13-7	Voltage Conversion - Replacement of 8kV cable and accessories	0	0	
4-13-8	Conduit Installation	0	0	
4-13-9	Location: Halls Lane - Benton to Victoria and Benton to Eby	143,750	250,000	
4-13-10	Rebuild / Relocations Due to LRT	380,000	435,000	
	Category 4 SubTotal	2,792,600	2,232,000	
5-13-1	Distribution Changes - miscellaneous special transformer work orders	0	20,000	
5-13-2	Underground Residential Distribution - Installing Transformer	315,300	211,500	Downturn in residential subdivision activity
5-13-3	Overhead Transformers - Purchasing Transformers	0	0	
5-13-4	Commercial, Industrial and Apartment type - Underground, Purchasing Transformers	0	0	
5-13-5	Underground Residential Distribution - Purchasing Transformers	251,800	168,500	Downturn in residential subdivision activity
5-13-6	Secondary Network - Purchasing Transformers	0	0	
5-13-7	Voltage Conversion - Installing Transformers	0	0	
	Category 5 SubTotal	567,100	400,000	

Grand Total 3,935,550 3,246,000
Variance (689,550)

Description Page No.

**UNDERTAKING JT1.17: TO RECONCILE NUMBERS
INSHEET 2Q TO SHEET I4, AND PROVIDE
INFORMATION WITH RESPECT TO DIFFERENCES IN INPUTS** 53

Following consultation with Board staff, KWHI updated the data entered in its Cost Allocation model so that the model better reflects the results from Appendix 2-Q as it was filed in the original application.

KWHI has prepared a reconciliation of the numbers in Appendix 2-Q and the Direct Allocation worksheet from its most recent Cost Allocation model. It is presented in the tables below:

Capital

USoA Account	CA Model - I3		Appendix 2-Q		Variance
	Input Column C	Allocated Column G			
1809	9,886,288	88,799			
1815	62,928,187	565,221			
	72,814,476	654,020	72,814,476	654,020	-
1830	36,228,348	74,268			
1835	37,287,799	76,440			
1855 OH	4,378,225	8,975			
	77,894,372	159,683	77,875,872	159,646	(38)
1840	27,506,158	2,421			
1845	43,614,532	3,838			
1855 UG	41,748,132	3,674			
	112,868,821	9,932	114,778,021	10,100	168
	263,577,669	823,636	265,468,369	823,766	130

Resulting Revenue Requirement

Component	Appendix 2Q	Cost Allocation Model	Variance
Return on Assets			
Transformer Station	26,532	34,281	7,749
Overhead	5,625	7,256	1,631
Underground	346	437	92
	32,503	41,974	(9,472)
			0
Distribution Expenses			
O&M Costs	24,440	24,442	(2)
Administration	7,433	7,433	(0)
PILS	7,058	1,349	5,709
Amortization	18,587	18,776	(189)
	57,517	52,000	5,517
			0
Total Annual Cost	90,020	93,974	(3,954)

The tables above reflect all the changes made to the Cost Allocation model Tab I9 to correct the denominator for allocating PILS and Return on Assets to use the net book value and not the gross book value.

Based on the changes made, the differences between the return on assets and the distribution expenses counterbalance each other resulting in a small variance in the revenue requirement of \$3,953.

The differences reflect changes made to the cost allocation model as a result of the updates. Appendix 2-Q was not updated but the same percentages were used in the cost allocation model.

Description

Page No.

UNDERTAKING JT1.18: TO PROVIDE SUPPORTING DOCUMENTATION FOR FORMER CGAAP AND REVISED CGAAP, LIST MEARIE PREMIUMS IN 2013 AND 2014 FORECAST, AND EXPLAIN INCREASE IN PREMIUMS BETWEEN 2010 AND 2012. IF PREMIUM IS NOT NET OF REBATE, SEPARATE THE TWO

58

Below see the table which shows the premiums paid to MEARIE for insurance since 2009:

**The MEARIE Group – Summary of Insurance Premiums Paid
2009 - 2014**

	2014 (est)	2013	2012	2011	2010	2009
Comprehensive Liability Policy	\$193,900	\$188,254	\$179,332	\$167,323	\$164,624	\$171,072
Privacy/Cyber/Network Security	33,800	31,376	N/A	N/A	N/A	N/A
Property Policy	287,500	275,078	252,666	245,181	207,712	100,523
Vehicle Policy	42,200	40,949	41,032	40,766	40,904	41,408
Subtotal	\$557,400	\$535,657	\$473,030	\$453,270	\$413,240	\$313,003
Premium Rebate	0	0	(55,680)	0	(56,830)	0
Total	\$557,400	\$535,657	\$417,350	\$453,270	\$356,410	\$313,003

Total Insured Value (TIV)	152,957,964	147,785,472	135,907,953	130,828,940	84,954,117	80,795,800
Increase in TIV \$\$	5,172,492	11,877,519	5,079,013	45,874,823	4,158,317	
Increase in TIV %	3.50%	8.74%	3.88%	54.00%	5.15%	
Total Premium Increase	21,743	118,307	(35,920)	96,860	43,407	
Premium Increase \$\$ (net of rebate)	\$21,743	\$62,627	\$19,760	\$40,030	\$100,237	
Premium Increase % (net of rebate)	4.06%	13.24%	4.36%	9.69%	32.02%	
Property Premium per \$1000 of TIV	0.53	0.54	0.54	0.53	0.41	0.80

Property Insurance Notes

Note there was a significant increase in property insurance premiums in both 2010 and 2013. In 2010, there was a significant increase to premiums when MEARIE's reinsurance premiums went up significantly due to the loss experience of the program when MEARIE switched to a new reinsurance partner.

In 2011, the total insured value (TIV) was adjusted, resulting in a 54% increase in the value of assets insured and an increase to premiums of 18%.

In 2012, property insurance premiums were adjusted to reflect a standard 3.5% increase to TIV.

In 2013, KWHI adjusted the TIV again due to the addition of some assets that had been omitted in the last TIV adjustment (2011). This resulted in an increase of 8.9%.

2014 is an estimate. It should be noted that the property premiums per \$1,000 of TIV have remained quite steady.

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Revenue Requirement Workform



Version 3.00

Utility Name	Kitchener-Wilmot Hydro Inc.
Service Territory	City of Kitchener & the Township of Wilmot
Assigned EB Number	EB-2013-0147
Name and Title	Margaret Nanninga, Vice-President Finance
Phone Number	519-749-6177
Email Address	mnanninga@kwhydro.on.ca

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While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the



Revenue Requirement Workform

[1. Info](#)

[2. Table of Contents](#)

[3. Data Input Sheet](#)

[4. Rate Base](#)

[5. Utility Income](#)

[6. Taxes PILs](#)

[7. Cost of Capital](#)

[8. Rev Def Suff](#)

[9. Rev Req](#)

Notes:

- (1) Pale green cells represent inputs
- (2) Pale green boxes at the bottom of each page are for additional notes
- (3) Pale yellow cells represent drop-down lists
- (4) ***Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.***
- (5) ***Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel***



Revenue Requirement Workform

Data Input ⁽¹⁾

	Initial Application	(2)	Adjustments	Technical Conference	(6)	Adjustments	Per Board Decision
1 Rate Base							
Gross Fixed Assets (average)	\$330,626,013		\$1,386,400	\$ 332,012,413			\$332,012,413
Accumulated Depreciation (average)	(\$147,702,714)	(5)	(\$65,037)	(\$147,767,751)			(\$147,767,751)
Allowance for Working Capital:							
Controllable Expenses	\$18,918,000		(\$42,440)	\$ 18,875,560			\$18,875,560
Cost of Power	\$184,456,632		\$4,506,286	\$ 188,962,918			\$188,962,918
Working Capital Rate (%)	13.00%	(9)		13.00%	(9)		13.00% (9)
2 Utility Income							
Operating Revenues:							
Distribution Revenue at Current Rates	\$38,207,936		\$83,881	\$38,291,817			
Distribution Revenue at Proposed Rates	\$37,414,668		(\$51,446)	\$37,363,222			
Other Revenue:							
Specific Service Charges	\$497,900		\$0	\$497,900			
Late Payment Charges	\$266,100		\$0	\$266,100			
Other Distribution Revenue	\$863,500		\$0	\$863,500			
Other Income and Deductions	\$411,700		\$0	\$411,700			
Total Revenue Offsets	\$2,039,200	(7)	\$0	\$2,039,200			
Operating Expenses:							
OM+A Expenses	\$18,523,200		(\$42,440)	\$ 18,480,760			\$18,480,760
Depreciation/Amortization	\$7,562,852	(10)	(\$96,122)	\$ 7,466,730			\$7,466,730
Property taxes	\$394,800			\$ 394,800			\$394,800
Other expenses							
3 Taxes/PILs							
Taxable Income:							
	(\$6,170,440)	(3)		(\$6,170,440)			
Adjustments required to arrive at taxable income							
Utility Income Taxes and Rates:							
Income taxes (not grossed up)	\$298,805			\$298,810			
Income taxes (grossed up)	\$406,538			\$406,544			
Federal tax (%)	15.00%			15.00%			
Provincial tax (%)	11.50%			11.50%			
Income Tax Credits	(\$77,000)			(\$77,000)			
4 Capitalization/Cost of Capital							
Capital Structure:							
Long-term debt Capitalization Ratio (%)	56.0%			56.0%			
Short-term debt Capitalization Ratio (%)	4.0%	(8)		4.0%	(8)		(8)
Common Equity Capitalization Ratio (%)	40.0%			40.0%			
Preferred Shares Capitalization Ratio (%)	0.0%			0.0%			
	100.0%			100.0%			
Cost of Capital							
Long-term debt Cost Rate (%)	4.13%			4.13%			
Short-term debt Cost Rate (%)	2.07%			2.07%			
Common Equity Cost Rate (%)	8.98%			8.98%			
Preferred Shares Cost Rate (%)	0.00%			0.00%			
Adjustment to Return on Rate Base associated with Deferred PP&E balance as a result of transition from CGAAP to MIFRS (\$)	\$ -	(11)			(11)		(11)

Notes:

- General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.
- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
 - (2) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
 - (3) Net of addbacks and deductions to arrive at taxable income.
 - (4) Average of Gross Fixed Assets at beginning and end of the Test Year
 - (5) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
 - (6) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
 - (7) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
 - (8) 4.0% unless an Applicant has proposed or been approved for another amount.
 - (9) Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.
 - (10) Depreciation Expense should include the adjustment resulting from the amortization of the deferred PP&E balance as shown on Appendix 2-EA or Appendix 2-EB of the Chapter 2 Appendices to the Filing Requirements.
 - (11) Adjustment should include the adjustment to the return on rate base associated with deferred PP&E balance as shown on Appendix 2-EA or Appendix 2-EB of the Chapter 2 Appendices to the Filing Requirements.



Revenue Requirement Workform

Rate Base and Working Capital

Rate Base												
Line No.	Particulars		Initial Application		Adjustments		Technical Conference		Adjustments		Per Board Decision	
1	Gross Fixed Assets (average)	(3)	\$330,626,013		\$1,386,400		\$332,012,413		\$ -		\$332,012,413	
2	Accumulated Depreciation (average)	(3)	(\$147,702,714)		(\$65,037)		(\$147,767,751)		\$ -		(\$147,767,751)	
3	Net Fixed Assets (average)	(3)	\$182,923,299		\$1,321,363		\$184,244,662		\$ -		\$184,244,662	
4	Allowance for Working Capital	(1)	\$26,438,702		\$580,300		\$27,019,002		\$ -		\$27,019,002	
5	Total Rate Base		\$209,362,001		\$1,901,663		\$211,263,664		\$ -		\$211,263,664	

Allowance for Working Capital - Derivation

(1)

6	Controllable Expenses		\$18,918,000	(\$42,440)	\$18,875,560	\$ -	\$18,875,560
7	Cost of Power		\$184,456,632	\$4,506,286	\$188,962,918	\$ -	\$188,962,918
8	Working Capital Base		\$203,374,632	\$4,463,846	\$207,838,478	\$ -	\$207,838,478
9	Working Capital Rate %	(2)	13.00%	0.00%	13.00%	0.00%	13.00%
10	Working Capital Allowance		\$26,438,702	\$580,300	\$27,019,002	\$ -	\$27,019,002

Notes

(2)

(3)

Some Applicants may have a unique rate as a result of a lead-lag study. Default rate for 2013 cost of service applications is 13%.
Average of opening and closing balances for the year.



Revenue Requirement Workform

Utility Income

Line No.	Particulars	Initial Application	Adjustments	Technical Conference	Adjustments	Per Board Decision
	Operating Revenues:					
1	Distribution Revenue (at Proposed Rates)	\$37,414,668	(\$51,446)	\$37,363,222	\$ -	\$37,363,222
2	Other Revenue (1)	\$2,039,200	\$ -	\$2,039,200	\$ -	\$2,039,200
3	Total Operating Revenues	\$39,453,868	(\$51,446)	\$39,402,422	\$ -	\$39,402,422
	Operating Expenses:					
4	OM+A Expenses	\$18,523,200	(\$42,440)	\$18,480,760	\$ -	\$18,480,760
5	Depreciation/Amortization	\$7,562,852	(\$96,122)	\$7,466,730	\$ -	\$7,466,730
6	Property taxes	\$394,800	\$ -	\$394,800	\$ -	\$394,800
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	\$ -	\$ -	\$ -	\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$26,480,852	(\$138,562)	\$26,342,290	\$ -	\$26,342,290
10	Deemed Interest Expense	\$5,019,405	\$45,592	\$5,064,997	\$ -	\$5,064,997
11	Total Expenses (lines 9 to 10)	\$31,500,257	(\$92,971)	\$31,407,287	\$ -	\$31,407,287
12	Adjustment to Return on Rate Base associated with Deferred PP&E balance as a result of transition from CGAAP to MIFRS	\$ -	\$ -	\$ -	\$ -	\$ -
13	Utility income before income taxes	\$7,953,610	\$41,524	\$7,995,135	\$ -	\$7,995,135
14	Income taxes (grossed-up)	\$406,538	\$6	\$406,544	\$ -	\$406,544
15	Utility net income	\$7,547,073	\$41,518	\$7,588,591	\$ -	\$7,588,591

Notes

Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$497,900	\$ -	\$497,900		\$497,900
	Late Payment Charges	\$266,100	\$ -	\$266,100		\$266,100
	Other Distribution Revenue	\$863,500	\$ -	\$863,500		\$863,500
	Other Income and Deductions	\$411,700	\$ -	\$411,700		\$411,700
	Total Revenue Offsets	\$2,039,200	\$ -	\$2,039,200	\$ -	\$2,039,200



Revenue Requirement Workform

Taxes/PILs

Line No.	Particulars	Application	Technical Conference	Per Board Decision
<u>Determination of Taxable Income</u>				
1	Utility net income before taxes	\$7,520,283	\$7,588,591	\$7,588,591
2	Adjustments required to arrive at taxable utility income	(\$6,170,440)	(\$6,170,440)	(\$6,170,440)
3	Taxable income	<u>\$1,349,843</u>	<u>\$1,418,150</u>	<u>\$1,418,150</u>
<u>Calculation of Utility income Taxes</u>				
4	Income taxes	\$298,805	\$298,810	\$298,810
6	Total taxes	<u>\$298,805</u>	<u>\$298,810</u>	<u>\$298,810</u>
7	Gross-up of Income Taxes	\$107,732	\$107,734	\$107,734
8	Grossed-up Income Taxes	<u>\$406,538</u>	<u>\$406,544</u>	<u>\$406,544</u>
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	<u>\$406,538</u>	<u>\$406,544</u>	<u>\$406,544</u>
10	Other tax Credits	(\$77,000)	(\$77,000)	(\$77,000)
<u>Tax Rates</u>				
11	Federal tax (%)	15.00%	15.00%	15.00%
12	Provincial tax (%)	11.50%	11.50%	11.50%
13	Total tax rate (%)	<u>26.50%</u>	<u>26.50%</u>	<u>26.50%</u>

Notes



Revenue Requirement Workform

Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
		Initial Application			
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$117,242,721	4.13%	\$4,846,053
2	Short-term Debt	4.00%	\$8,374,480	2.07%	\$173,352
3	Total Debt	60.00%	\$125,617,201	4.00%	\$5,019,405
	Equity				
4	Common Equity	40.00%	\$83,744,800	8.98%	\$7,520,283
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$83,744,800	8.98%	\$7,520,283
7	Total	100.00%	\$209,362,001	5.99%	\$12,539,688
		Technical Conference			
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$118,307,652	4.13%	\$4,890,071
2	Short-term Debt	4.00%	\$8,450,547	2.07%	\$174,926
3	Total Debt	60.00%	\$126,758,198	4.00%	\$5,064,997
	Equity				
4	Common Equity	40.00%	\$84,505,466	8.98%	\$7,588,591
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$84,505,466	8.98%	\$7,588,591
7	Total	100.00%	\$211,263,664	5.99%	\$12,653,588
		Per Board Decision			
		(%)	(\$)	(%)	(\$)
	Debt				
8	Long-term Debt	56.00%	\$118,307,652	4.13%	\$4,890,071
9	Short-term Debt	4.00%	\$8,450,547	2.07%	\$174,926
10	Total Debt	60.00%	\$126,758,198	4.00%	\$5,064,997
	Equity				
11	Common Equity	40.00%	\$84,505,466	8.98%	\$7,588,591
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	Total Equity	40.00%	\$84,505,466	8.98%	\$7,588,591
14	Total	100.00%	\$211,263,664	5.99%	\$12,653,588

Notes

(1) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I



Revenue Requirement Workform

Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Technical Conference		Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		(\$844,680)		(\$928,595)		(\$928,595)
2	Distribution Revenue	\$38,207,936	\$38,259,348	\$38,291,817	\$38,291,817	\$38,291,817	\$38,291,817
3	Other Operating Revenue	\$2,039,200	\$2,039,200	\$2,039,200	\$2,039,200	\$2,039,200	\$2,039,200
4	Total Revenue	\$40,247,136	\$39,453,868	\$40,331,017	\$39,402,422	\$40,331,017	\$39,402,422
5	Operating Expenses	\$26,480,852	\$26,480,852	\$26,342,290	\$26,342,290	\$26,342,290	\$26,342,290
6	Deemed Interest Expense	\$5,019,405	\$5,019,405	\$5,064,997	\$5,064,997	\$5,064,997	\$5,064,997
7		\$ - (2)	\$ -	\$ - (2)	\$ -	\$ - (2)	\$ -
	Adjustment to Return on Rate Base associated with Deferred PP&E balance as a result of transition from CGAAP to MIFRS						
8	Total Cost and Expenses	\$31,500,257	\$31,500,257	\$31,407,287	\$31,407,287	\$31,407,287	\$31,407,287
9	Utility Income Before Income Taxes	\$8,746,879	\$7,953,610	\$8,923,730	\$7,995,135	\$8,923,730	\$7,995,135
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$6,170,440)	(\$6,170,440)	(\$6,170,440)	(\$6,170,440)	(\$6,170,440)	(\$6,170,440)
11	Taxable Income	\$2,576,438	\$1,783,170	\$2,753,290	\$1,824,694	\$2,753,290	\$1,824,694
12	Income Tax Rate	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%
13		\$682,756	\$472,540	\$729,622	\$483,544	\$729,622	\$483,544
14	Income Tax on Taxable Income	(\$77,000)	(\$77,000)	(\$77,000)	(\$77,000)	(\$77,000)	(\$77,000)
15	Utility Net Income	\$8,141,123	\$7,547,073	\$8,271,108	\$7,588,591	\$8,271,108	\$7,588,591
16	Utility Rate Base	\$209,362,001	\$209,362,001	\$211,263,664	\$211,263,664	\$211,263,664	\$211,263,664
17	Deemed Equity Portion of Rate Base	\$83,744,800	\$83,744,800	\$84,505,466	\$84,505,466	\$84,505,466	\$84,505,466
18	Income/(Equity Portion of Rate Base)	9.72%	9.01%	9.79%	8.98%	9.79%	8.98%
19	Target Return - Equity on Rate Base	8.98%	8.98%	8.98%	8.98%	8.98%	8.98%
20	Deficiency/Sufficiency in Return on Equity	0.74%	0.03%	0.81%	0.00%	0.81%	0.00%
21	Indicated Rate of Return	6.29%	6.00%	6.31%	5.99%	6.31%	5.99%
22	Requested Rate of Return on Rate Base	5.99%	5.99%	5.99%	5.99%	5.99%	5.99%
23	Deficiency/Sufficiency in Rate of Return	0.30%	0.01%	0.32%	0.00%	0.32%	0.00%
24	Target Return on Equity	\$7,520,283	\$7,520,283	\$7,588,591	\$7,588,591	\$7,588,591	\$7,588,591
25	Revenue Deficiency/(Sufficiency)	(\$620,840)	\$26,790	(\$682,518)	\$ -	(\$682,518)	\$ -
26	Gross Revenue Deficiency/(Sufficiency)	(\$844,680) (1)		(\$928,595) (1)		(\$928,595) (1)	

Notes:

- (1) Revenue Deficiency/Sufficiency divided by (1 - Tax Rate)
 (2) Treated as an adjustment pre-tax to avoid an impact on taxes/PILs and hence on revenue sufficiency deficiency



Revenue Requirement Workform

Revenue Requirement

Line No.	Particulars	Application		Technical Conference		Per Board Decision	
1	OM&A Expenses	\$18,523,200		\$18,480,760		\$18,480,760	
2	Amortization/Depreciation	\$7,562,852		\$7,466,730		\$7,466,730	
3	Property Taxes	\$394,800		\$394,800		\$394,800	
5	Income Taxes (Grossed up)	\$406,538		\$406,544		\$406,544	
6	Other Expenses	\$ -					
7	Return						
	Deemed Interest Expense	\$5,019,405		\$5,064,997		\$5,064,997	
	Return on Deemed Equity	\$7,520,283		\$7,588,591		\$7,588,591	
	Adjustment to Return on Rate						
	Base associated with Deferred						
	PP&E balance as a result of						
	transition from CGAAP to MIFRS	\$ -		\$ -		\$ -	
8	Service Revenue Requirement (before Revenues)	<u>\$39,427,078</u>		<u>\$39,402,422</u>		<u>\$39,402,422</u>	
9	Revenue Offsets	<u>\$2,039,200</u>		<u>\$2,039,200</u>		<u>\$ -</u>	
10	Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)	<u>\$37,387,878</u>		<u>\$37,363,222</u>		<u>\$39,402,422</u>	
11	Distribution revenue	\$37,414,668		\$37,363,222		\$37,363,222	
12	Other revenue	<u>\$2,039,200</u>		<u>\$2,039,200</u>		<u>\$2,039,200</u>	
13	Total revenue	<u>\$39,453,868</u>		<u>\$39,402,422</u>		<u>\$39,402,422</u>	
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	<u>\$26,790</u>	(1)	<u>\$ -</u>	(1)	<u>\$ -</u>	(1)

Notes

(1) Line 11 - Line 8

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Reference	Item	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Work Capital Allowance	Amortization	PILS	OM&A	Service Revenue Requirement	Revenue Offsets	Base Revenue Requirement	Gross Revenue Sufficiency
Application		12,539,688	5.99%	209,362,001	203,374,632	26,438,702	7,562,853	433,327	18,918,000	39,453,868	2,039,200	37,414,668	(793,268)
3-Staff-15	CDM half year rule	12,528,352	5.99%	209,172,727	201,918,680	26,249,428	7,562,853	430,876	18,918,000	39,440,080	2,039,200	37,400,880	(615,820)
	Change	(11,337)	0%	(189,274)	(1,455,952)	(189,274)	0	(2,451)	0	(13,788)	0	(13,788)	177,449
3-Energy Probe-20	GS>50 adjustment	12,530,020	5.99%	209,200,586	202,132,980	26,277,287	7,562,853	431,237	18,918,000	39,442,110	2,039,200	37,402,910	(842,923)
	Change	1,669	0%	27,859	214,300	27,859	0	361	0	2,029	0	2,029	(227,104)
2-Energy Probe-6	Update 2013 CAPEX	12,571,926	5.99%	209,900,245	202,132,980	26,277,287	7,440,200	367,267	18,918,000	39,297,393	2,039,200	37,258,193	(987,640)
2-VECC-4	Update contributed capital	12,611,732	5.99%	210,564,849	202,132,980	26,277,287	7,456,730	362,742	18,918,000	39,349,204	2,039,200	37,310,004	(935,829)
	Adjustments/corr ections	12,611,984	5.99%	210,569,049	202,132,980	26,277,287	7,456,730	362,675	18,918,000	39,349,389	2,039,200	37,310,189	(935,644)
	Removal of 1531 assets from FA	12,610,564	5.99%	210,545,349	202,132,980	26,277,287	7,456,730	362,368	18,918,000	39,347,662	2,039,200	37,308,462	(937,371)
	Change	80,544	0%	1,344,763	0	0	(106,123)	(68,869)	0	(94,447)	0	(94,447)	(94,447)
4-Energy Probe-46	Co-op Students	12,610,564	5.99%	210,545,349	202,132,980	26,277,287	7,456,730	350,368	18,918,000	39,335,662	2,039,200	37,296,462	(949,371)
4-Energy Probe-49	Apprenticeships	12,610,564	5.99%	210,545,349	202,132,980	26,277,287	7,456,730	380,368	18,918,000	39,365,662	2,039,200	37,326,462	(919,371)
	Change	0	0%	0	0	0	0	18,000	0	18,000	0	18,000	18,000
4-VECC TCQ-45	Update Large User	12,613,449	5.99%	210,593,510	202,503,451	26,325,449	7,456,730	380,992	18,918,000	39,369,171	2,039,200	37,329,971	(954,925)
3-Energy Probe-65	Update RPP Price	12,654,301	5.99%	211,275,580	207,750,141	27,007,518	7,456,730	389,825	18,918,000	39,418,856	2,039,200	37,379,656	(905,239)
4-VECC TCQ-46	Updated CDM 2012 Actual	12,654,186	5.99%	211,273,648	207,735,276	27,005,586	7,456,730	389,800	18,918,000	39,418,716	2,039,200	37,379,516	(905,380)
	Change	43,621	0%	728,298	5,602,295	728,298	0	9,432	0	53,053	0	53,053	13,991
4-Energy Probe-66	Update Inflation	12,654,098	5.99%	211,272,192	207,724,076	27,004,130	7,456,730	389,800	18,906,800	39,407,428	2,039,200	37,368,228	(916,686)
4-Energy Probe-72	2014 Amortization adjustment	12,652,996	5.99%	211,253,792	207,724,076	27,004,130	7,456,730	402,811	18,906,800	39,419,337	2,039,200	37,380,137	(904,759)
	1815 Amortization correction 2014	12,652,697	5.99%	211,248,792	207,724,076	27,004,130	7,466,730	406,351	18,906,800	39,432,578	2,039,200	37,393,378	(891,517)
	Change	(1,489)	0%	(24,856)	(11,200)	(1,456)	10,000	16,552	(11,200)	13,863	0	13,863	13,863
JT1.6	CDM variable adjustment	12,653,831	5.99%	211,267,725	207,869,718	27,023,063	7,466,730	406,597	18,906,800	39,433,958	2,039,200	37,394,758	(897,060)
	Additional inflation	12,653,588	5.99%	211,263,664	207,838,478	27,019,002	7,466,730	406,544	18,875,560	39,402,422	2,039,200	37,363,222	(928,595)
	Change	891	0%	14,872	114,403	14,872	0	193	(31,240)	(30,157)	0	(30,157)	(37,078)
	Total Change	113,900	0%	1,901,663	4,463,846	580,300	(96,123)	(26,783)	(42,440)	(51,446)	0	(51,446)	(135,327)

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Appendix 2-ED
Account 1576 - Accounting Changes under CGAAP
2012 Changes in Accounting Policies under CGAAP

Assumes the applicant made capitalization and depreciation expense accounting policy changes under CGAAP effective January 1, 2012

Reporting Basis Forecast vs. Actual Used in Rebasing Year	2009 Rebasing Year		2012	2013	2014 Rebasing Year	2015	2016	2017	2018
	CGAAP	IRM	IRM	IRM	CGAAP - ASPE	IRM	IRM	IRM	IRM
	Forecast	Actual	Actual	Forecast	Forecast				
			\$	\$	\$	\$	\$	\$	\$
PP&E Values under former CGAAP									
Opening net PP&E - Note 1			152,037,099	160,841,958					
Net Additions - Note 4			16,364,527	25,896,100					
Net Depreciation (amounts should be negative) - Note 4			-7,559,668	-12,088,955					
Closing net PP&E (1)			160,841,958	174,649,103					
PP&E Values under revised CGAAP (Starts from 2012)									
Opening net PP&E - Note 1			152,037,099	163,614,014					
Net Additions - Note 4			14,994,871	23,284,998					
Net Depreciation (amounts should be negative) - Note 4			-3,417,956	-7,376,844					
Closing net PP&E (2)			163,614,014	179,522,168					
Difference in Closing net PP&E, former CGAAP vs. revised CGAAP			-2,772,056	-4,873,065					

Opening 1576					-4,873,065	-3,654,799	-2,436,532	-1,218,266	
Amortization					-1,218,266	-1,218,266	-1,218,266	-1,218,266	-4,873,065
Closing 1576					-3,654,799	-2,436,532	-1,218,266	0	
Average					-4,263,932	-3,045,666	-1,827,399	-609,133	
Return on average at 5.99%					-255,410	-182,435	-109,461	-36,487	-583,793

Effect on Deferral and Variance Account Rate Riders

Closing balance in Account 1576	-4,873,065	WACC	5.99%
Return on Rate Base Associated with Account 1576 balance at WACC - Note 2	- 583,793		
Amount included in Deferral and Variance Account Rate Rider Calculation	-5,456,858		
		# of years of rate rider disposition period	4

Notes:

- For an applicant that made the capitalization and depreciation expense accounting policy changes on January 1, 2012, the PP&E values as of January 1, 2012 under both former CGAAP
- Return on rate base associated with Account 1576 balance is calculated as:
the variance account opening balance as of 2014 rebasing year x WACC X # of years of rate rider disposition period
* Please note that the calculation should be adjusted once WACC is updated and finalized in the rate application.
- Account 1576 is cleared by including the total balance in the deferral and variance account rate rider calculation.
- Net additions are additions net of disposals; Net depreciation is additions to depreciation net of disposals.

Appendix 2-B
Fixed Asset Continuity Schedule

Year **Pre-2012**

GAAP

CCA Class	OEB	Description	Depreciation Rate	Cost				Accumulated Depreciation				Net Book Value
				Opening Balance	Additions	Disposals	Closing Balance	Opening Balance	Additions	Disposals	Closing Balance	
12	1611	Computer Software (Formally known as Account 1925)		\$ 3,266,775	\$ 326,748		\$ 3,593,523	-\$ 2,338,142	-\$ 322,564		-\$ 2,660,706	\$ 932,817
12	1611	Computer Software (Formally known as Account 1925) - Smart Meters			\$ 518,017		\$ 518,017		-\$ 420,712		-\$ 420,712	\$ 97,305
CEC	1612	Land Rights (Formally known as Account 1906)		\$ 265,449	\$ -	\$ -	\$ 265,449	-\$ 252,568	-\$ 2,653	\$ -	-\$ 255,221	\$ 10,228
N/A	1805	Land		\$ 2,339,958			\$ 2,339,958	\$ -			\$ -	\$ 2,339,958
47	1808	Buildings		\$ 9,268,665	-\$ 20,178	-\$ 10,745	\$ 9,237,742	-\$ 2,024,186	-\$ 179,220	\$ 10,745	-\$ 2,192,661	\$ 7,045,081
13	1810	Leasehold Improvements		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
47	1815	Transformer Station Equipment >50 kV		\$ 59,878,130	\$ 93,639	-\$ 162,180	\$ 59,809,589	-\$ 17,378,248	-\$ 1,464,704	\$ 162,180	-\$ 18,680,772	\$ 41,128,817
47	1820	Distribution Station Equipment <50 kV		\$ 2,853,105		-\$ 15,845	\$ 2,837,260	#-\$ 1,965,929	-\$ 77,457	\$ 15,845	-\$ 2,027,541	\$ 809,719
47	1825	Storage Battery Equipment					\$ -				\$ -	\$ -
47	1830	Poles, Towers & Fixtures		\$ 29,644,768	\$ 2,894,738		\$ 32,539,506	-\$ 12,616,367	-\$ 1,301,580		-\$ 13,917,947	\$ 18,621,559
47	1835	Overhead Conductors & Devices		\$ 32,204,259	\$ 2,259,990		\$ 34,464,249	-\$ 15,512,985	-\$ 1,378,570		-\$ 16,891,555	\$ 17,572,694
47	1840	Underground Conduit		\$ 22,040,741	\$ 1,910,830		\$ 23,951,571	-\$ 9,513,183	-\$ 943,918		-\$ 10,457,101	\$ 13,494,470
47	1845	Underground Conductors & Devices		\$ 37,324,957	\$ 2,430,148		\$ 39,755,105	-\$ 19,436,898	-\$ 1,555,093		-\$ 20,991,991	\$ 18,763,114
47	1850	Line Transformers		\$ 49,922,477	\$ 3,398,190		\$ 53,320,667	-\$ 24,998,388	-\$ 2,118,291	\$ 72,814	-\$ 27,043,865	\$ 26,276,802
47	1855	Services (Overhead & Underground)		\$ 41,475,703	\$ 2,762,234		\$ 44,237,937	-\$ 17,044,689	-\$ 1,748,284		-\$ 18,792,973	\$ 25,444,964
47	1860	Meters		\$ 11,503,383	\$ 367,352	-\$ 9,578,658	\$ 2,292,077	-\$ 6,379,461	-\$ 598,619	\$ 6,393,556	-\$ 584,524	\$ 1,707,553
47	1860	Meters (Smart Meters)			\$ 12,045,109		\$ 12,045,109		-\$ 2,387,679		-\$ 2,387,679	\$ 9,657,430
N/A	1905	Land		\$ 1,395,300			\$ 1,395,300	\$ -	\$ -	\$ -	\$ -	\$ 1,395,300
47	1908	Buildings & Fixtures		\$ 10,244,953	\$ 31,703		\$ 10,276,656	-\$ 3,414,981	-\$ 184,308		-\$ 3,599,289	\$ 6,677,367
13	1910	Leasehold Improvements										
8	1915	Office Furniture & Equipment (10 years)		\$ 1,112,310	\$ 34,301		\$ 1,146,611	-\$ 772,098	-\$ 65,354		-\$ 837,452	\$ 309,159
8	1915	Office Furniture & Equipment (5 years)										
10	1920	Computer Equipment - Hardware		\$ 2,420,464	\$ 227,721		\$ 2,648,185	-\$ 2,070,000	-\$ 151,267		-\$ 2,221,267	\$ 426,918
45	1920	Computer Equip.-Hardware - Smart Meter			\$ 221,261		\$ 221,261		-\$ 77,441		-\$ 77,441	\$ 143,820
45.1	1920	Computer Equip.-Hardware(Post Mar. 19/07)					\$ -				\$ -	\$ -
10	1930	Transportation Equipment		\$ 8,154,881	\$ 428,102	-\$ 45,515	\$ 8,537,468	-\$ 5,373,795	-\$ 747,189	\$ 45,515	-\$ 6,075,469	\$ 2,461,999
8	1935	Stores Equipment		\$ 64,072			\$ 64,072	-\$ 42,588	-\$ 3,512		-\$ 46,100	\$ 17,972
8	1940	Tools, Shop & Garage Equipment		\$ 772,798	\$ 70,533	-\$ 4,335	\$ 838,996	-\$ 447,845	-\$ 59,229	\$ 1,382	-\$ 505,692	\$ 333,304
8	1940	Tools - Smart Meter			\$ 3,728		\$ 3,728		-\$ 1,274		-\$ 1,274	\$ 2,454
8	1945	Measurement & Testing Equipment		\$ 866,733	\$ 96,435		\$ 963,168	-\$ 703,718	-\$ 32,783		-\$ 736,501	\$ 226,667
8	1950	Power Operated Equipment		\$ 783,695	\$ 54,068		\$ 837,763	-\$ 476,883	-\$ 57,705		-\$ 534,588	\$ 303,175
8	1955	Communications Equipment		\$ 173,729			\$ 173,729	-\$ 114,850	-\$ 16,819		-\$ 131,669	\$ 42,060
8	1955	Communication Equipment (Smart Meters)			\$ 696,107		\$ 696,107		-\$ 254,934		-\$ 254,934	\$ 441,173
8	1960	Miscellaneous Equipment		\$ 98,856			\$ 98,856	-\$ 57,887	-\$ 14,930		-\$ 72,817	\$ 26,039
47	1975	Load Management Controls Utility Premises					\$ -				\$ -	\$ -
47	1980	System Supervisor Equipment		\$ 1,566,480			\$ 1,566,480	-\$ 1,451,404	-\$ 64,006		-\$ 1,515,410	\$ 51,070
47	1985	Miscellaneous Fixed Assets					\$ -				\$ -	\$ -
47	1995	Contributions & Grants		-\$ 44,537,160	-\$ 4,668,971		-\$ 49,206,131	\$ 11,318,711	\$ 1,968,390		\$ 13,287,101	-\$ 35,919,030
		Total		\$ 285,105,481	\$ 26,181,805	-\$ 9,817,278	\$ 301,470,008	-\$ 133,068,382	-\$ 14,261,705	\$ 6,702,037	-\$ 140,628,050	\$ 160,841,958

Appendix 2-B
Fixed Asset Continuity Schedule

Year **2013** GAAP

CCA Class	OEB	Description	Depreciation Rate	Cost				Accumulated Depreciation				
				Opening Balance	Additions	Disposals	Closing Balance	Opening Balance	Additions	Disposals	Closing Balance	Net Book Value
12	1611	Computer Software (Formally known as Account 1925)		\$ 3,593,523	\$ 400,200		\$ 3,993,723	-\$ 2,660,706	-\$ 402,604		-\$ 3,063,310	\$ 930,413
12	1611	Computer Software (Formally known as Account 1925) - Smart Meters		\$ 518,017			\$ 518,017	-\$ 420,712	-\$ 97,305		-\$ 518,017	\$ -
CEC	1612	Land Rights (Formally known as Account 1906)		\$ 265,449			\$ 265,449	-\$ 255,221	-\$ 2,653		-\$ 257,874	\$ 7,575
N/A	1805	Land		\$ 2,339,958			\$ 2,339,958	\$ -			\$ -	\$ 2,339,958
47	1808	Buildings		\$ 9,237,742	\$ 546,200		\$ 9,783,942	-\$ 2,192,661	-\$ 190,144		-\$ 2,382,805	\$ 7,401,137
13	1810	Leasehold Improvements		\$ -			\$ -	\$ -			\$ -	\$ -
47	1815	Transformer Station Equipment >50 kV		\$ 59,809,589	\$ 2,295,600		\$ 62,105,189	-\$ 18,680,772	-\$ 1,522,094		-\$ 20,202,866	\$ 41,902,323
47	1820	Distribution Station Equipment <50 kV		\$ 2,837,260	\$ 164,500		\$ 3,001,760	-\$ 2,027,541	-\$ 80,747		-\$ 2,108,288	\$ 893,472
47	1825	Storage Battery Equipment		\$ -			\$ -	\$ -			\$ -	\$ -
47	1830	Poles, Towers & Fixtures		\$ 32,539,506	\$ 2,999,600		\$ 35,539,106	-\$ 13,917,947	-\$ 1,421,564		-\$ 15,339,511	\$ 20,199,595
47	1835	Overhead Conductors & Devices		\$ 34,464,249	\$ 2,290,600		\$ 36,754,849	-\$ 16,891,555	-\$ 1,470,194		-\$ 18,361,749	\$ 18,393,100
47	1840	Underground Conduit		\$ 23,951,571	\$ 2,506,900		\$ 26,458,471	-\$ 10,457,101	-\$ 1,044,194		-\$ 11,501,295	\$ 14,957,176
47	1845	Underground Conductors & Devices		\$ 39,755,105	\$ 3,283,300		\$ 43,038,405	-\$ 20,991,991	-\$ 1,686,425		-\$ 22,678,416	\$ 20,359,989
47	1850	Line Transformers		\$ 53,320,667	\$ 3,082,600		\$ 56,403,267	-\$ 27,043,865	-\$ 2,241,595		-\$ 29,285,460	\$ 27,117,807
47	1855	Services (Overhead & Underground)		\$ 44,237,937	\$ 2,492,400		\$ 46,730,337	-\$ 18,792,973	-\$ 1,847,980		-\$ 20,640,953	\$ 26,089,384
47	1860	Meters		\$ 2,292,077	\$ 836,100		\$ 3,128,177	-\$ 584,524	-\$ 654,359		-\$ 1,238,883	\$ 1,889,294
47	1860	Meters (Smart Meters)		\$ 12,045,109			\$ 12,045,109	-\$ 2,387,679			-\$ 2,387,679	\$ 9,657,430
N/A	1905	Land		\$ 1,395,300			\$ 1,395,300	\$ -			\$ -	\$ 1,395,300
47	1908	Buildings & Fixtures		\$ 10,276,656	\$ 6,466,600		\$ 16,743,256	-\$ 3,599,289	-\$ 313,640		-\$ 3,912,929	\$ 12,830,327
13	1910	Leasehold Improvements		\$ -			\$ -	\$ -			\$ -	\$ -
8	1915	Office Furniture & Equipment (10 years)		\$ 1,146,611	\$ 126,600		\$ 1,273,211	-\$ 837,452	-\$ 78,014		-\$ 915,466	\$ 357,745
8	1915	Office Furniture & Equipment (5 years)		\$ -			\$ -	\$ -			\$ -	\$ -
10	1920	Computer Equipment - Hardware		\$ 2,648,185	\$ 337,300		\$ 2,985,485	-\$ 2,221,267	-\$ 218,727		-\$ 2,439,994	\$ 545,491
45	1920	Computer Equip.-Hardware - Smart Meter		\$ 221,261			\$ 221,261	-\$ 77,441	-\$ 77,441		-\$ 154,882	\$ 66,379
45.1	1920	Computer Equip.-Hardware(Post Mar. 19/07)		\$ -			\$ -	\$ -			\$ -	\$ -
10	1930	Transportation Equipment		\$ 8,537,468	\$ 1,625,200	-\$ 400,000	\$ 9,762,668	-\$ 6,075,469	-\$ 950,339	\$ 400,000	-\$ 6,625,808	\$ 3,136,860
8	1935	Stores Equipment		\$ 64,072			\$ 64,072	-\$ 46,100	-\$ 3,512		-\$ 49,612	\$ 14,460
8	1940	Tools, Shop & Garage Equipment		\$ 838,996	\$ 68,800		\$ 907,796	-\$ 505,692	-\$ 66,109		-\$ 571,801	\$ 335,995
8	1940	Tools - Smart Meter		\$ 3,728			\$ 3,728	-\$ 1,274	-\$ 400		-\$ 1,674	\$ 2,054
8	1945	Measurement & Testing Equipment		\$ 963,168	\$ 9,400		\$ 972,568	-\$ 736,501	-\$ 33,723		-\$ 770,224	\$ 202,344
8	1950	Power Operated Equipment		\$ 837,763			\$ 837,763	-\$ 534,588	-\$ 57,705		-\$ 592,293	\$ 245,470
8	1955	Communications Equipment		\$ 173,729			\$ 173,729	-\$ 131,669	-\$ 16,819		-\$ 148,488	\$ 25,241
8	1955	Communication Equipment (Smart Meters)		\$ 696,107			\$ 696,107	-\$ 254,934	-\$ 69,600		-\$ 324,534	\$ 371,573
8	1960	Miscellaneous Equipment		\$ 98,856	\$ 10,200		\$ 109,056	-\$ 72,817	-\$ 16,970		-\$ 89,787	\$ 19,269
47	1975	Load Management Controls Utility Premises		\$ -			\$ -	\$ -			\$ -	\$ -
47	1980	System Supervisor Equipment		\$ 1,566,480			\$ 1,566,480	-\$ 1,515,410	-\$ 22,328		-\$ 1,537,738	\$ 28,742
47	1985	Miscellaneous Fixed Assets		\$ -			\$ -	\$ -			\$ -	\$ -
47	1995	Contributions & Grants		-\$ 49,206,131	-\$ 3,246,000		-\$ 52,452,131	\$ 13,287,101	\$ 2,098,230		\$ 15,385,331	\$ 37,066,800
		Total		\$ 301,470,008	\$ 26,296,100	-\$ 400,000	\$ 327,366,108	-\$ 140,628,050	-\$ 12,488,955	\$ 400,000	-\$ 152,717,005	\$ 174,649,103

Appendix 2-B
Fixed Asset Continuity Schedule

Year **2012** **GAAP**

CCA Class	OEB	Description	Depreciation Rate	Cost				Accumulated Depreciation				
				Opening Balance	Additions	Disposals	Closing Balance	Opening Balance	Additions	Disposals	Closing Balance	Net Book Value
N/A	1805	Land		\$ 2,339,958			\$ 2,339,958				\$ -	\$ 2,339,958
CEC	1806	Land Rights		\$ 265,447			\$ 265,447	-\$ 252,568	-\$ 2,653		-\$ 255,221	\$ 10,226
47	1808	Buildings		\$ 9,083,165	\$ 4,769		\$ 9,087,934	-\$ 1,983,675	-\$ 186,431		-\$ 2,170,106	\$ 6,917,828
47	1808	Roof		\$ 185,500		-\$ 10,745	\$ 174,755	-\$ 40,511	-\$ 27,874	\$ 10,745	-\$ 57,640	\$ 117,115
13	1810	Leasehold Improvements										
47	1815	Transformer Station Equipment >50 kV 50 yrs		\$ 21,983,682	\$ 78,477	-\$ 6,407	\$ 22,055,752	-\$ 6,325,596	-\$ 390,350	\$ 6,407	-\$ 6,709,539	\$ 15,346,213
47	1815	Transformer Station Equipment >50 kV 40 yrs		\$ 34,362,745			\$ 34,362,745	-\$ 9,887,565	-\$ 837,825		-\$ 10,725,390	\$ 23,637,355
47	1815	Transformer Station Equipment >50 kV 25 yrs		\$ 1,306,383		-\$ 9,621	\$ 1,296,762	-\$ 419,355	\$ 94,545	\$ 9,621	-\$ 504,279	\$ 792,483
47	1815	Transformer Station Equipment >50 kV 20 yrs		\$ 583,841	\$ 25,270	-\$ 12,461	\$ 596,650	-\$ 191,826	-\$ 67,030	\$ 12,461	-\$ 246,395	\$ 350,255
47	1815	Transformer Station Equipment >50 kV 15 yrs		\$ 1,641,480	\$ 68,590	-\$ 133,691	\$ 1,576,379	-\$ 553,906	-\$ 282,314	\$ 133,691	-\$ 702,529	\$ 873,850
47	1820	Distribution Station Equipment <50 kV 50 yrs		\$ 1,051,479			\$ 1,051,479	-\$ 762,562	-\$ 8,813		-\$ 771,375	\$ 280,104
47	1820	Distribution Station Equipment <50 kV 40 yrs		\$ 1,647,187			\$ 1,647,187	-\$ 1,102,143	-\$ 25,509		-\$ 1,127,652	\$ 519,535
47	1820	Distribution Station Equipment <50 kV 25 yrs		\$ 55,587		-\$ 1,089	\$ 54,498	-\$ 36,434	-\$ 3,895	\$ 1,089	-\$ 39,240	\$ 15,258
47	1820	Distribution Station Equipment <50 kV 20 yrs		\$ 25,427		-\$ 3,210	\$ 22,217	-\$ 16,666	-\$ 4,284	\$ 3,210	-\$ 17,740	\$ 4,477
47	1820	Distribution Station Equipment <50 kV 15 yrs		\$ 73,423		-\$ 11,546	\$ 61,877	-\$ 48,124	-\$ 13,339	\$ 11,546	-\$ 49,917	\$ 11,960
47	1825	Storage Battery Equipment										
47	1830	Poles, Towers & Fixtures		\$ 29,644,768	\$ 2,587,380		\$ 32,232,148	-\$ 12,616,367	-\$ 600,173		-\$ 13,216,540	\$ 19,015,608
47	1835	Overhead Conductors		\$ 28,020,886	\$ 1,849,156		\$ 29,870,042	-\$ 13,701,824	-\$ 310,700		-\$ 14,012,524	\$ 15,857,518
47	1835	Overhead Devices		\$ 3,113,432	\$ 156,884		\$ 3,270,316	-\$ 1,522,426	-\$ 54,926		-\$ 1,577,352	\$ 1,692,964
47	1835	Voltage Regulators		\$ 271,849			\$ 271,849	-\$ 108,740	-\$ 8,155		-\$ 116,895	\$ 154,954
47	1835	Capacitor Banks		\$ 798,092			\$ 798,092	-\$ 179,996	-\$ 31,924		-\$ 211,920	\$ 586,172
47	1840	Underground Conduit		\$ 22,040,741	\$ 1,775,167		\$ 23,815,908	-\$ 9,513,183	-\$ 271,881		-\$ 9,785,064	\$ 14,030,844
47	1845	Underground PILC		\$ 450,000	\$ 71,811		\$ 521,811	-\$ 36,000	-\$ 8,335		-\$ 44,335	\$ 477,476
47	1845	Underground Cables		\$ 33,187,461	\$ 2,004,581		\$ 35,192,042	-\$ 17,460,808	-\$ 598,752		-\$ 18,059,560	\$ 17,132,482
47	1845	Underground Devices		\$ 3,687,496	\$ 123,332		\$ 3,810,828	-\$ 1,940,090	-\$ 64,043		-\$ 2,004,133	\$ 1,806,695
47	1850	Line Transformers - Overhead		\$ 38,195,234	\$ 975,364		\$ 39,170,598	-\$ 22,481,400	-\$ 582,000	\$ 72,814	-\$ 22,990,586	\$ 16,180,012
47	1850	Network Transformers		\$ 88,877	\$ 152,267		\$ 241,144	-\$ 83,374	-\$ 4,252		-\$ 87,626	\$ 153,518
47	1850	Vault			\$ 2,629		\$ 2,629		-\$ 44		-\$ 44	\$ 2,585
47	1850	Roof		\$ 699,521			\$ 699,521	-\$ 201,573	-\$ 21,235		-\$ 222,808	\$ 476,713
47	1850	Network Protectors		\$ 93,844	\$ 107,832		\$ 201,676	-\$ 2,252	-\$ 4,948		-\$ 7,200	\$ 194,476
47	1850	Padmount Transformers		\$ 5,025,048	\$ 721,460		\$ 5,746,508	-\$ 1,033,176	-\$ 131,560		-\$ 1,164,736	\$ 4,581,772
47	1850	Submersible Transformers		\$ 4,023,092	\$ 790,096		\$ 4,813,188	-\$ 827,169	-\$ 153,889		-\$ 981,058	\$ 3,832,130
47	1850	Foundation		\$ 1,796,860	\$ 417,525		\$ 2,214,385	-\$ 369,444	-\$ 30,930		-\$ 400,374	\$ 1,814,011
47	1855	Services - Overhead		\$ 3,373,853	\$ 419,374		\$ 3,793,227	-\$ 1,486,124	-\$ 43,153		-\$ 1,529,277	\$ 2,263,950
47	1855	Services - Underground		\$ 38,101,852	\$ 2,054,280		\$ 40,156,132	-\$ 15,558,565	-\$ 769,295		-\$ 16,327,860	\$ 23,828,272
47	1860	Meters		\$ 11,503,383	\$ 12,387,749	-\$ 9,578,658	\$ 14,312,474	-\$ 6,379,460	-\$ 3,031,690	\$ 6,393,556	-\$ 3,017,594	\$ 11,294,880
47	1860	Meters (Smart Meters)										
N/A	1905	Land		\$ 1,395,300			\$ 1,395,300				\$ -	\$ 1,395,300
47	1908	Buildings & Fixtures - Building		\$ 7,858,066	\$ 30,105		\$ 7,888,171	-\$ 2,595,385	-\$ 177,589		-\$ 2,772,974	\$ 5,115,197
47	1908	Buildings & Fixtures - Roof		\$ 2,386,887			\$ 2,386,887	-\$ 819,595	-\$ 246,333		-\$ 1,065,928	\$ 1,320,959
13	1910	Leasehold Improvements									\$ -	\$ -
8	1915	Office Furniture & Equipment (10 years)		\$ 1,112,310	\$ 70,932	-\$ 36,631	\$ 1,146,611	-\$ 772,098	-\$ 65,353		-\$ 837,451	\$ 309,160
8	1915	Office Furniture & Equipment (5 years)										
10	1920	Computer Equipment - Hardware		\$ 2,420,466	\$ 448,982		\$ 2,869,448	-\$ 2,070,000	-\$ 219,301		-\$ 2,289,301	\$ 580,147
45	1920	Computer Equip.-Hardware - Smart Meter					\$ -					
45.1	1920	Computer Equip.-Hardware(Post Mar. 19/07)										
12	1925	Computer Software		\$ 3,266,775	\$ 844,765		\$ 4,111,540	-\$ 2,338,141	-\$ 770,015		-\$ 3,108,156	\$ 1,003,384
10	1930	Transportation Equipment		\$ 8,154,881	\$ 428,102	-\$ 45,514	\$ 8,537,469	-\$ 5,373,795	-\$ 458,021	\$ 45,515	-\$ 5,786,301	\$ 2,751,168
8	1935	Stores Equipment		\$ 64,072			\$ 64,072	-\$ 42,588	-\$ 3,512		-\$ 46,100	\$ 17,972
8	1940	Tools, Shop & Garage Equipment		\$ 772,798	\$ 74,261	-\$ 4,335	\$ 842,724	-\$ 447,845	-\$ 60,503	\$ 1,382	-\$ 506,966	\$ 335,758
8	1940	Tools - Smart Meters					\$ -					
8	1945	Measurement & Testing Equipment		\$ 866,733	\$ 96,435		\$ 963,168	-\$ 703,718	-\$ 32,783		-\$ 736,501	\$ 226,667
8	1950	Power Operated Equipment		\$ 783,695	\$ 54,068		\$ 837,763	-\$ 476,883	-\$ 57,705		-\$ 534,588	\$ 303,175
8	1955	Communications Equipment		\$ 173,729	\$ 696,107		\$ 869,836	-\$ 114,850	-\$ 271,752		-\$ 386,602	\$ 483,234
8	1955	Communication Equipment (Smart Meters)					\$ -					
8	1960	Miscellaneous Equipment		\$ 98,856			\$ 98,856	-\$ 57,886	-\$ 14,931		-\$ 72,817	\$ 26,039
47	1975	Load Management Controls Utility Premises										
47	1980	System Supervisor Equipment		\$ 1,566,478			\$ 1,566,478	-\$ 1,451,404	-\$ 95,928		-\$ 1,547,332	\$ 19,146
47	1985	Miscellaneous Fixed Assets										
47	1995	Contributions & Grants										
47	1995	CC - Poles Towers Fixtures		-\$ 2,146,482	-\$ 600,093		-\$ 2,746,575	\$ 519,629	\$ 62,487		\$ 582,116	-\$ 2,164,459
47	1995	CC - O/H Conductors		-\$ 1,636,306	-\$ 607,123		-\$ 2,243,429	\$ 390,177	\$ 34,302		\$ 424,479	-\$ 1,818,950
47	1995	CC - O/H Devices		-\$ 181,812	-\$ 67,458		-\$ 249,270	\$ 43,353	\$ 4,373		\$ 47,726	-\$ 201,544
47	1995	CC - O/H Services		-\$ 1,702,362	\$ 90,988		-\$ 1,611,374	\$ 459,348	\$ 51,862		\$ 511,210	-\$ 1,100,164
47	1995	CC - U/G Trenching and Ductwork		-\$ 7,470,628	-\$ 1,079,357		-\$ 8,549,985	\$ 1,904,224	\$ 138,014		\$ 2,042,238	-\$ 6,507,747
47	1995	CC - U/G Cable-Primary		-\$ 3,111,138	-\$ 1,393,554		-\$ 4,504,692	\$ 819,002	\$ 69,845		\$ 888,847	-\$ 3,615,845
47	1995	CC - U/G Devices		-\$ 345,682	-\$ 104,668		-\$ 450,350	\$ 91,000	\$ 8,671		\$ 99,671	-\$ 350,679
47	1995	CC - U/G Services		-\$ 3,627,812	-\$ 48,024		-\$ 3,675,836	\$ 888,312	\$ 94,568		\$ 982,880	-\$ 2,692,956
47	1995	CC - Pole Top Transformer		-\$ 2,594,946	-\$ 317,706		-\$ 2,912,652	\$ 648,228	\$ 70,103		\$ 718,331	-\$ 2,194,321
47	1995	CC - UG Transformer		-\$ 2,465,646	-\$ 281,562		-\$ 2,747,208	\$ 600,211	\$ 64,707		\$ 664,918	-\$ 2,082,290
47	1995	CC - U/G Submersible Transformer		-\$ 18,050,842	-\$ 172,272		-\$ 17,878,570	\$ 4,644,518	\$ 385,762		\$ 5,030,280	-\$ 12,848,290
47	1995	CC - Foundation Transformer		-\$ 1,059,244	-\$ 429,058		-\$ 1,488,302	\$ 264,093	\$ 20,802		\$ 284,895	-\$ 1,203,407
47	1995	CC - Meters Distribution		-\$ 216,698	-\$ 95,090		-\$ 311,788	\$ 50,515	\$ 22,610		\$ 73,125	-\$ 238,663
47	1995	CC - OEB Clearing Account		\$ 72,438	\$ 91,462		\$ 163,900	-\$ 3,900	-\$ 7,626		-\$ 11,526	\$ 152,374
							\$ -				\$ -	\$ -
											\$ -	\$ -
											\$ -	\$ -
		Total		\$ 285,105,479	\$ 24,848,779	-\$ 9,853,908	\$ 300,100,350	-\$ 133,068,380	-\$ 10,119,993	\$ 6,702,037	-\$ 136,486,336	\$ 163,614,014

**Appendix 2-B
Fixed Asset Continuity Schedule**

CCA Class	OEB	Description	Depreciation Rate	Year 2013 GAAP				Accumulated Depreciation				
				Cost			Closing Balance				Closing Balance	Net Book Value
				Opening Balance	Additions	Disposals		Opening Balance	Additions	Disposals		
N/A	1805	Land		\$ 2,339,958			\$ 2,339,958	\$ -			\$ -	\$ 2,339,958
CEC	1806	Land Rights		\$ 265,447			\$ 265,447	\$ 255,221	\$ 2,700		\$ 257,921	\$ 7,526
47	1808	Buildings		\$ 9,087,934	\$ 543,000		\$ 9,630,934	\$ 2,170,106	\$ 197,300		\$ 2,367,406	\$ 7,263,528
47	1808	Roof		\$ 174,755			\$ 174,755	\$ 57,640	\$ 17,100		\$ 74,740	\$ 100,015
13	1810	Leasehold Improvements										
47	1815	Transformer Station Equipment >50 kV 50 yrs		\$ 22,055,752	\$ 800,300		\$ 22,856,052	\$ 6,709,539	\$ 406,400		\$ 7,115,939	\$ 15,740,113
47	1815	Transformer Station Equipment >50 kV 40 yrs		\$ 34,362,745	\$ 570,100		\$ 34,932,845	\$ 10,725,390	\$ 852,100		\$ 11,577,490	\$ 23,355,355
47	1815	Transformer Station Equipment >50 kV 25 yrs		\$ 1,296,762	\$ 59,499		\$ 1,356,261	\$ 504,279	\$ 87,300		\$ 591,579	\$ 764,682
47	1815	Transformer Station Equipment >50 kV 20 yrs		\$ 596,650			\$ 596,650	\$ 246,395	\$ 48,500		\$ 294,895	\$ 301,755
47	1815	Transformer Station Equipment >50 kV 15 yrs		\$ 1,576,379	\$ 589,999		\$ 2,166,378	\$ 702,529	\$ 188,400		\$ 890,929	\$ 1,275,449
47	1820	Distribution Station Equipment <50 kV 50 yrs		\$ 1,051,479			\$ 1,051,479	\$ 771,375	\$ 8,800		\$ 780,175	\$ 271,304
47	1820	Distribution Station Equipment <50 kV 40 yrs		\$ 1,647,187			\$ 1,647,187	\$ 1,127,652	\$ 25,500		\$ 1,153,152	\$ 494,035
47	1820	Distribution Station Equipment <50 kV 25 yrs		\$ 54,498			\$ 54,498	\$ 39,240	\$ 2,800		\$ 42,040	\$ 12,458
47	1820	Distribution Station Equipment <50 kV 20 yrs		\$ 22,217			\$ 22,217	\$ 17,740	\$ 1,100		\$ 18,840	\$ 3,377
47	1820	Distribution Station Equipment <50 kV 15 yrs		\$ 61,877	\$ 147,500		\$ 209,377	\$ 49,917	\$ 11,700		\$ 61,617	\$ 147,760
47	1825	Storage Battery Equipment										
47	1830	Poles, Towers & Fixtures		\$ 32,232,148	\$ 2,612,000		\$ 34,844,148	\$ 13,216,540	\$ 664,300		\$ 13,880,840	\$ 20,963,308
47	1835	Overhead Conductors		\$ 29,870,042	\$ 1,771,030		\$ 31,641,072	\$ 14,012,524	\$ 340,200		\$ 14,352,724	\$ 17,288,348
47	1835	Overhead Devices		\$ 3,270,316	\$ 196,970		\$ 3,467,286	\$ 1,577,352	\$ 59,800		\$ 1,637,152	\$ 1,830,134
47	1835	Voltage Regulators		\$ 271,849			\$ 271,849	\$ 116,895	\$ 8,200		\$ 125,095	\$ 146,754
47	1835	Capacitor Banks		\$ 798,092			\$ 798,092	\$ 211,920	\$ 31,900		\$ 243,820	\$ 554,272
47	1840	Underground Conduit		\$ 23,815,908	\$ 2,280,000		\$ 26,095,908	\$ 9,785,064	\$ 309,900		\$ 10,094,964	\$ 16,000,944
47	1845	Underground PILC		\$ 521,811	\$ 334,000		\$ 855,811	\$ 44,335	\$ 13,900		\$ 58,235	\$ 797,576
47	1845	Underground Cables		\$ 35,192,042	\$ 2,166,870		\$ 37,358,912	\$ 18,059,560	\$ 652,900		\$ 18,712,460	\$ 18,646,452
47	1845	Underground Devices		\$ 3,810,828	\$ 277,830		\$ 4,088,658	\$ 2,004,133	\$ 71,000		\$ 2,075,133	\$ 2,013,525
47	1850	Line Transformers - Overhead		\$ 39,170,598	\$ 850,200		\$ 40,020,798	\$ 22,990,586	\$ 603,300		\$ 23,593,886	\$ 16,426,912
47	1850	Network Transformers		\$ 241,144	\$ 165,000		\$ 406,144	\$ 87,626	\$ 8,400		\$ 96,026	\$ 310,118
47	1850	Vault		\$ 2,629	\$ 33,000		\$ 35,629	\$ 44	\$ 600		\$ 644	\$ 34,985
47	1850	Roof		\$ 699,521			\$ 699,521	\$ 222,808	\$ 21,200		\$ 244,008	\$ 455,513
47	1850	Network Protectors		\$ 201,676	\$ 132,000		\$ 333,676	\$ 7,200	\$ 8,200		\$ 15,400	\$ 318,276
47	1850	Padmount Transformers		\$ 5,746,508	\$ 646,400		\$ 6,392,908	\$ 1,164,736	\$ 147,700		\$ 1,312,436	\$ 5,080,472
47	1850	Submersible Transformers		\$ 4,813,188	\$ 551,000		\$ 5,364,188	\$ 981,058	\$ 172,300		\$ 1,153,358	\$ 4,210,830
47	1850	Foundation		\$ 2,214,385	\$ 270,000		\$ 2,484,385	\$ 400,374	\$ 35,400		\$ 435,774	\$ 2,048,611
47	1855	Services - Overhead		\$ 3,793,227	\$ 585,000		\$ 4,378,227	\$ 1,529,277	\$ 52,900		\$ 1,582,177	\$ 2,796,050
47	1855	Services - Underground		\$ 40,156,132	\$ 1,592,000		\$ 41,748,132	\$ 16,327,860	\$ 809,100		\$ 17,136,960	\$ 24,611,172
47	1860	Meters		\$ 14,312,474	\$ 713,000		\$ 15,025,474	\$ 3,017,594	\$ 919,100		\$ 3,936,694	\$ 11,088,780
47	1860	Meters (Smart Meters)		\$ -			\$ -					
N/A	1905	Land		\$ 1,395,300			\$ 1,395,300	\$ -			\$ -	\$ 1,395,300
47	1908	Buildings & Fixtures - Building		\$ 7,888,171	\$ 6,280,100		\$ 14,168,271	\$ 2,772,974	\$ 303,200		\$ 3,076,174	\$ 11,092,097
47	1908	Buildings & Fixtures - Roof		\$ 2,386,887	\$ 186,500		\$ 2,573,387	\$ 1,065,928	\$ 255,700		\$ 1,321,628	\$ 1,251,759
13	1910	Leasehold Improvements										
8	1915	Office Furniture & Equipment (10 years)		\$ 1,146,611	\$ 126,600		\$ 1,273,211	\$ 837,451	\$ 61,400		\$ 898,851	\$ 374,360
8	1915	Office Furniture & Equipment (5 years)					\$ -					
10	1920	Computer Equipment - Hardware		\$ 2,869,448	\$ 337,300		\$ 3,206,748	\$ 2,289,301	\$ 169,000		\$ 2,458,301	\$ 748,447
45	1920	Computer Equip -Hardware - Smart Meters		\$ -			\$ -					
45.1	1920	Computer Equip -Hardware(Post Mar. 19/07)										
12	1925	Computer Software		\$ 4,111,540	\$ 400,200		\$ 4,511,740	\$ 3,108,156	\$ 477,800		\$ 3,585,956	\$ 925,784
10	1930	Transportation Equipment		\$ 8,537,469	\$ 1,625,200	\$ 400,000	\$ 9,762,669	\$ 5,786,301	\$ 560,750	\$ 400,000	\$ 5,947,051	\$ 3,815,618
8	1935	Stores Equipment		\$ 64,072			\$ 64,072	\$ 46,100	\$ 4,000		\$ 50,100	\$ 13,972
8	1940	Tools, Shop & Garage Equipment		\$ 842,724	\$ 68,800		\$ 911,524	\$ 506,966	\$ 63,200		\$ 570,166	\$ 341,358
8	1940	Tools - Smart Meters					\$ -				\$ -	
8	1945	Measurement & Testing Equipment		\$ 963,168	\$ 9,400		\$ 972,568	\$ 736,501	\$ 34,100		\$ 770,601	\$ 201,967
8	1950	Power Operated Equipment		\$ 837,763			\$ 837,763	\$ 534,588	\$ 54,600		\$ 589,188	\$ 248,575
8	1955	Communications Equipment		\$ 869,836			\$ 869,836	\$ 386,602	\$ 89,900		\$ 476,502	\$ 393,334
8	1955	Communication Equipment (Smart Meters)		\$ -			\$ -	\$ -	\$ -		\$ -	
8	1960	Miscellaneous Equipment		\$ 98,856	\$ 10,200		\$ 109,056	\$ 72,817	\$ 14,700		\$ 87,517	\$ 21,539
47	1975	Load Management Controls Utility Premises										
47	1980	System Supervisor Equipment		\$ 1,566,478			\$ 1,566,478	\$ 1,547,332	\$ 4,100		\$ 1,551,432	\$ 15,046
47	1985	Miscellaneous Fixed Assets										
47	1995	Contributions & Grants										
47	1995	CC - Poles Towers Fixtures		\$ 2,746,575	\$ 328,800		\$ 3,075,375	\$ 582,116	\$ 70,708		\$ 652,824	\$ 2,422,551
47	1995	CC - O/H Conductors		\$ 2,243,429	\$ 226,200		\$ 2,469,629	\$ 424,479	\$ 38,100		\$ 462,579	\$ 2,007,050
47	1995	CC - O/H Devices		\$ 249,270	\$ 25,100		\$ 274,370	\$ 47,726	\$ 5,000		\$ 52,726	\$ 221,644
47	1995	CC - O/H Services		\$ 1,611,374	\$ 33,900		\$ 1,645,274	\$ 511,210	\$ 32,700		\$ 543,910	\$ 1,101,364
47	1995	CC - U/G Trenching and Ductwork		\$ 8,549,985	\$ 637,000		\$ 9,186,985	\$ 2,042,238	\$ 131,800		\$ 2,174,038	\$ 7,012,947
47	1995	CC - U/G Cable-Primary		\$ 4,504,692	\$ 498,100		\$ 5,002,792	\$ 888,847	\$ 114,500		\$ 1,003,347	\$ 3,999,445
47	1995	CC - U/G Devices		\$ 450,350	\$ 55,300		\$ 505,650	\$ 99,671	\$ 11,500		\$ 111,171	\$ 394,479
47	1995	CC - U/G Services		\$ 3,675,836	\$ 1,041,600		\$ 4,717,436	\$ 982,880	\$ 409,000		\$ 1,391,880	\$ 3,325,556
47	1995	CC - Pole Top Transformer		\$ 2,912,652			\$ 2,912,652	\$ 718,331	\$ 86,400		\$ 804,731	\$ 2,107,921
47	1995	CC - UG Transformer		\$ 2,747,208	\$ 99,600		\$ 2,846,808	\$ 664,918	\$ 72,600		\$ 737,518	\$ 2,109,290
47	1995	CC - U/G Submersible Transformer		\$ 17,878,570	\$ 232,300		\$ 18,110,870	\$ 5,030,280	\$ 74,700		\$ 5,104,980	\$ 13,005,890
47	1995	CC - Foundation Transformer		\$ 1,488,302	\$ 68,100		\$ 1,556,402	\$ 284,895	\$ 33,600		\$ 318,495	\$ 1,237,907
47	1995	CC - Meters Distribution		\$ 311,788	\$ 40,000		\$ 351,788	\$ 73,125	\$ 28,800		\$ 101,925	\$ 249,863
47	1995	CC - OEB Clearing Account		\$ 163,900	\$ 40,000		\$ 203,900	\$ 11,526	\$ 13,802		\$ 25,328	\$ 178,572
		Total		\$ 300,100,350	\$ 23,684,998	\$ 400,000	\$ 323,385,348	\$ 136,486,336	\$ 7,776,844	\$ 400,000	\$ 143,863,180	\$ 179,522,168

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Weather Normal Load Forecast for 2014 Rate Application

	2000 Actual	2001 Actual	2002 Actual	2003 Actual	2004 Actual	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Actual	2013 Weather Normal	2014 Weather Normal
Actual kWh Purchases	1,917,287,306	1,963,866,511	2,036,912,520	2,013,203,373	2,009,748,106	2,086,364,095	1,983,645,710	1,978,990,176	1,939,064,404	1,837,133,121	1,892,633,519	1,895,197,233	1,885,738,118		
Predicted kWh Purchases	1,917,429,374	1,953,633,840	1,998,774,914	1,988,925,998	1,996,079,500	2,067,680,563	2,020,324,564	2,001,202,267	1,964,148,154	1,859,845,104	1,880,819,177	1,887,427,044	1,866,597,054	1,876,306,519	1,860,832,178
% Difference	0.0%	-0.5%	-1.9%	-1.2%	-0.7%	-0.9%	1.8%	1.1%	1.3%	1.2%	-0.6%	-0.4%	-1.0%		
Billed kWh (excl Embedded)	1,825,733,379	1,864,957,166	1,966,638,125	1,970,383,029	1,947,483,902	2,040,872,519	1,917,735,012	1,918,190,356	1,877,404,166	1,777,401,233	1,829,500,492	1,833,881,352	1,825,234,090	1,805,824,684	1,780,569,555
By Class															
Residential															
Customers	63,692	64,284	65,683	67,527	69,405	71,490	72,866	74,392	75,154	76,255	77,506	78,761	79,997	81,277	82,577
kWh	561,410,965	540,863,420	609,265,500	610,213,276	593,383,986	640,475,237	624,196,150	639,510,859	638,167,356	626,869,704	650,651,967	647,280,211	644,467,300	640,773,193	647,771,772
GS<50 kW															
Customers	6,548	6,568	6,569	6,703	6,816	6,916	7,049	7,198	7,265	7,370	7,448	7,538	7,645	7,737	7,830
kWh	216,113,166	194,422,245	219,363,892	225,494,014	218,381,164	229,601,685	231,128,009	233,685,645	233,464,130	230,572,826	236,095,929	240,155,523	240,981,970	238,668,992	240,204,686
GS>50 kW															
Customers	1,033	1,035	1,068	1,035	1,058	1,077	1,021	1,005	1,014	1,005	989	975	952	948	945
kWh	842,011,205	882,753,581	863,683,912	862,174,714	881,507,867	918,952,852	860,411,209	866,794,206	838,013,719	820,920,003	876,884,814	871,254,048	850,788,483	840,854,748	841,248,453
kW	1,702,404	2,097,765	2,249,449	2,243,396	2,273,819	2,343,889	2,306,337	2,286,676	2,227,288	2,169,096	2,260,312	2,244,883	2,227,931	2,209,320	2,225,927
Large User															
Customers	3	4	4	4	4	4	4	4	4	3	1	2	2	2	1
kWh	188,086,865	229,072,005	257,359,194	253,072,527	234,737,963	232,058,404	181,975,799	157,680,777	146,928,777	79,822,385	46,563,626	56,015,269	69,356,376	66,016,829	31,798,990
kW	339,080	423,831	475,022	474,685	460,426	445,748	381,847	330,481	329,862	171,311	95,621	105,771	136,790	130,796	63,002
Streetlights															
Connections	1,342	1,370	1,394	1,405	1,497	1,517	1,533	1,523	1,522	1,551	1,574	1,568	1,573	1,569	1,592
kWh	13,700,705	13,878,114	12,488,813	14,826,579	15,016,164	15,098,592	15,290,722	15,541,491	17,542,402	15,920,914	16,035,117	15,857,518	15,943,501	15,898,680	16,128,465
kW	39,194	39,703	36,995	41,407	41,732	42,148	42,692	43,371	45,893	44,226	44,895	44,252	44,229	44,502	45,145
USL															
Connections	750	750	765	765	822	807	807	818	820	817	811	841	869	879	890
kWh	4,410,473	3,967,801	4,476,814	4,601,919	4,456,758	4,685,749	4,733,123	4,977,378	3,287,782	3,295,401	3,269,039	3,318,783	3,696,460	3,612,242	3,417,188
Embedded Distributor															
Connections	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1
kWh	-	-	15,328,897	20,418,901	19,486,436	16,865,800	21,112,323	22,263,925	22,427,621	22,622,442	24,190,281	21,309,995	17,590,424	20,328,822	20,328,822
kW	-	-	29,357	43,882	40,502	43,934	45,564	49,752	48,353	49,918	53,144	49,139	37,867	44,674	44,674
Total of Above (excl. Embedded)															
Customer/Connections	73,368	74,011	75,483	77,439	79,602	81,811	83,280	84,940	85,779	87,001	88,329	89,685	91,039	92,413	93,835
kWh	1,825,733,379	1,864,957,166	1,966,638,125	1,970,383,029	1,947,483,902	2,040,872,519	1,917,735,012	1,918,190,356	1,877,404,166	1,777,401,233	1,829,500,492	1,833,881,352	1,825,234,090	1,805,824,684	1,780,569,555
kW from applicable classes	2,080,678	2,561,299	2,761,466	2,759,488	2,775,977	2,831,785	2,730,876	2,660,528	2,603,043	2,384,633	2,400,828	2,394,906	2,408,950	2,384,618	2,334,074
Total of Above (incl. Embedded)															
Customer/Connections	73,368	74,011	75,484	77,440	79,603	81,812	83,281	84,941	85,780	87,002	88,330	89,686	91,040	92,414	93,836
kWh	1,825,733,379	1,864,957,166	1,981,967,022	1,990,801,930	1,966,970,338	2,057,738,319	1,938,847,335	1,940,454,281	1,899,831,787	1,800,023,675	1,853,690,773	1,855,191,347	1,842,824,514	1,826,153,507	1,800,898,377
kW from applicable classes	2,080,678	2,561,299	2,790,823	2,803,370	2,816,479	2,875,719	2,776,440	2,710,280	2,651,396	2,434,551	2,453,972	2,444,045	2,446,817	2,429,292	2,378,748
Total from Model (excl. Embedded)															
Customer/Connections	73,368	74,011	75,483	77,439	79,602	81,811	83,280	84,940	85,779	87,001	88,329	89,685	91,039	92,413	93,835
kWh	1,825,733,379	1,864,957,166	1,966,638,125	1,970,383,029	1,947,483,902	2,040,872,519	1,917,735,012	1,918,190,356	1,877,404,166	1,777,401,233	1,829,500,492	1,833,881,352	1,825,234,090	1,805,824,684	1,780,569,555
kW from applicable classes	2,080,678	2,561,299	2,761,466	2,759,488	2,775,977	2,831,785	2,730,876	2,660,528	2,603,043	2,384,633	2,400,828	2,394,906	2,408,950	2,384,618	2,334,074
Total from Model (incl. Embedded)															
Customer/Connections	73,368	74,011	75,484	77,440	79,603	81,812	83,281	84,941	85,780	87,002	88,330	89,686	91,040	92,414	93,836
kWh	1,825,733,379	1,864,957,166	1,981,967,022	1,990,801,930	1,966,970,338	2,057,738,319	1,938,847,335	1,940,454,281	1,899,831,787	1,800,023,675	1,853,690,773	1,855,191,347	1,842,824,514	1,826,153,507	1,800,898,377
kW from applicable classes	2,080,678	2,561,299	2,790,823	2,803,370	2,816,479	2,875,719	2,776,440	2,710,280	2,651,396	2,434,551	2,453,972	2,444,045	2,446,817	2,429,292	2,378,748

	IESO	Generation	Load Transfers	Purchased	Heating Degree Days	Cooling Degree Days	Ontario Real GDP Monthly %	Number of Days in Month	Spring Fall Flag	CDM Activity	Number of Peak Hours	Employment Kitchener-Waterloo-Barrie (000's)	Unemployment Kitchener-Waterloo-Barrie (000's)	Predicted Purchases
Jan-97	178,379,084			178,379,084	777.9	0.0	94.72	31	0	0	352	475	39	170,877,133
Feb-97	154,547,898			154,547,898	615.0	0.0	94.80	29	0	0	320	478	39	154,502,462
Mar-97	161,647,356			161,647,356	619.1	0.0	94.89	31	1	0	304	477	39	156,191,377
Apr-97	145,784,872			145,784,872	391.9	0.0	94.97	30	1	0	352	480	40	146,826,667
May-97	141,630,070			141,630,070	289.0	0.0	95.06	31	1	0	336	484	40	145,086,859
Jun-97	147,352,701			147,352,701	30.4	50.4	95.14	30	0	0	336	492	40	150,690,164
Jul-97	152,141,811			152,141,811	22.1	59.8	95.23	31	0	0	352	497	41	158,263,116
Aug-97	145,107,825			145,107,825	49.4	21.9	95.32	31	0	0	320	501	41	145,754,468
Sep-97	139,600,641			139,600,641	115.2	5.4	95.40	30	1	0	336	502	41	136,727,467
Oct-97	148,289,546			148,289,546	288.9	1.6	95.49	31	1	0	352	507	42	147,962,739
Nov-97	155,059,094			155,059,094	471.4	0.0	95.57	30	1	0	304	508	42	147,968,837
Dec-97	165,554,412			165,554,412	630.7	0.0	95.66	31	0	0	336	508	42	165,198,353
Jan-98	169,014,862			169,014,862	652.8	0.0	96.01	31	0	0	336	501	35	167,011,627
Feb-98	149,446,860			149,446,860	547.1	0.0	96.37	28	0	0	320	499	35	150,371,056
Mar-98	161,538,633			161,538,633	505.1	0.0	96.73	31	1	0	352	496	34	157,336,336
Apr-98	139,888,239			139,888,239	312.0	0.0	97.08	30	1	0	336	499	35	144,631,585
May-98	146,043,180			146,043,180	77.1	16.8	97.44	31	1	0	320	503	35	142,450,420
Jun-98	152,205,116			152,205,116	66.7	63.7	97.81	30	0	0	352	511	36	159,952,079
Jul-98	153,589,755			153,589,755	6.9	64.8	98.17	31	0	0	352	518	36	161,789,054
Aug-98	160,175,410			160,175,410	12.1	83.1	98.53	31	0	0	320	524	36	165,443,774
Sep-98	145,106,275			145,106,275	63.0	26.0	98.90	30	1	0	336	523	36	143,494,704
Oct-98	143,393,838			143,393,838	257.6	0.0	99.26	31	1	0	336	522	36	147,486,141
Nov-98	152,187,498			152,187,498	440.1	0.0	99.63	30	1	0	336	522	36	151,637,286
Dec-98	162,755,458			162,755,458	572.1	0.0	100.00	31	0	0	336	528	37	165,692,481
Jan-99	176,550,323			176,550,323	789.6	0.0	100.39	31	0	0	320	528	31	174,686,190
Feb-99	153,314,486			153,314,486	578.4	0.0	100.79	28	0	0	320	528	31	154,991,057
Mar-99	165,000,091			165,000,091	592.5	0.0	101.18	31	1	0	368	526	31	165,568,056
Apr-99	143,094,038			143,094,038	332.6	0.0	101.58	30	1	0	336	529	31	148,821,981
May-99	145,495,902			145,495,902	126.7	10.5	101.98	31	1	0	320	533	31	145,971,376
Jun-99	162,933,501			162,933,501	44.4	76.5	102.38	30	0	0	352	540	31	166,190,980
Jul-99	171,126,555			171,126,555	3.2	138.9	102.78	31	0	0	336	548	32	186,169,079
Aug-99	156,668,949			156,668,949	28.8	30.9	103.18	31	0	0	336	553	32	155,043,136
Sep-99	149,477,238			149,477,238	88.9	27.7	103.59	30	1	0	336	555	32	148,641,751
Oct-99	149,731,148			149,731,148	319.0	0.0	104.00	31	1	0	320	553	32	152,306,082
Nov-99	155,962,063			155,962,063	405.1	0.0	104.40	30	1	0	352	550	32	154,670,077
Dec-99	170,494,981			170,494,981	623.7	0.0	104.81	31	0	0	336	548	32	170,780,400
Jan-00	178,748,867			178,748,867	773.0	0.0	105.45	31	0	0	320	543	31	175,756,282
Feb-00	162,866,687			162,866,687	643.8	0.0	106.09	28	0	0	336	537	31	160,516,895
Mar-00	161,127,993			161,127,993	446.9	0.0	106.73	31	1	0	368	535	31	161,029,774
Apr-00	146,022,967			146,022,967	358.3	0.0	107.38	30	1	0	304	539	31	149,099,235
May-00	149,955,206			149,955,206	152.4	18.7	108.03	31	1	0	352	548	31	153,978,810
Jun-00	155,366,404			155,366,404	41.1	35.4	108.68	30	0	0	352	554	32	155,643,418
Jul-00	155,720,648			155,720,648	18.6	44.8	109.34	31	0	0	320	557	32	158,995,563
Aug-00	163,322,317			163,322,317	29.7	46.3	110.00	31	0	0	352	557	32	162,426,712
Sep-00	149,740,084			149,740,084	134.0	23.8	110.67	30	1	0	320	554	32	149,421,944
Oct-00	151,587,385			151,587,385	251.6	0.0	111.34	31	1	0	336	553	32	152,166,674
Nov-00	161,969,851			161,969,851	470.9	0.0	112.01	30	1	0	352	557	32	159,300,075
Dec-00	180,858,897			180,858,897	826.5	0.0	112.69	31	0	0	304	561	32	179,093,993
Jan-01	182,274,650			182,274,650	715.0	0.0	113.21	31	0	0	352	561	33	177,983,414
Feb-01	162,106,075			162,106,075	620.2	0.0	113.73	29	0	0	320	556	32	164,143,739
Mar-01	171,156,935			171,156,935	618.7	0.0	114.25	31	1	0	352	552	32	169,178,737
Apr-01	148,249,402			148,249,402	324.6	0.0	114.77	30	1	0	320	556	32	151,039,336
May-01	152,023,283			152,023,283	140.3	7.7	115.30	31	1	0	352	562	33	152,080,506
Jun-01	164,607,865			164,607,865	47.0	62.4	115.83	30	0	0	336	566	33	164,644,697
Jul-01	165,667,707			165,667,707	22.3	65.7	116.36	31	0	0	336	566	33	168,295,953
Aug-01	179,800,173			179,800,173	2.3	94.2	116.90	31	0	0	352	563	33	177,155,927
Sep-01	152,599,967		(420,695)	152,599,967	118.8	19.2	117.43	30	1	0	304	560	33	147,627,991
Oct-01	157,618,136		58,552	157,676,688	276.7	0.0	117.97	31	1	0	352	560	33	155,876,282
Nov-01	158,548,740			158,548,740	370.8	0.0	118.52	30	1	0	352	561	33	156,379,958
Dec-01	169,751,554		(175,833)	169,575,721	563.3	0.0	119.06	31	0	0	304	564	33	169,227,301
Jan-02	178,220,353		(702,628)	177,517,725	625.7	0.0	119.23	31	0	0	352	565	34	175,320,684
Feb-02	161,211,185			161,211,185	592.0	0.0	119.40	28	0	0	320	567	34	160,750,232
Mar-02	170,041,740			170,041,740	581.2	0.0	119.58	31	1	0	320	569	34	166,783,096
Apr-02	156,884,064		702,628	157,586,692	356.2	6.6	119.75	30	1	0	352	573	35	158,357,412
May-02	156,235,950	1,910,171		158,146,121	266.8	5.3	119.92	31	1	0	352	577	35	158,058,286
Jun-02	163,542,900	2,159,380		165,702,280	53.1	54.5	120.10	30	0	0	320	582	35	162,617,118
Jul-02	186,180,130	2,443,800		188,623,930	4.7	129.0	120.27	31	0	0	352	585	35	189,284,710
Aug-02	179,006,180	2,421,941		181,428,121	11.0	72.3	120.45	31	0	0	336	587	35	171,406,446
Sep-02	164,159,610	2,216,662		166,376,272	50.2	47.0	120.62	30	1	0	320	583	35	155,901,274
Oct-02	162,237,780	2,352,682		164,590,462	345.6	6.3	120.80	31	1	0	352	583	35	162,151,530
Nov-02	165,302,860	2,368,364		167,671,224	486.4	0.0	120.97	30	1	0	336	584	35	161,422,939
Dec-02	176,377,660	2,418,399	(779,291)	178,016,768	675.6	0.0	121.15	31	0	0	320	592	36	176,721,187
Jan-03	188,010,997	2,385,524	(17,740)	190,378,781	868.4	0.0	121.50	31	0	0	352	591	34	187,529,275
Feb-03	169,413,256	2,130,053		171,543,309	755.9	0.0	121.86	28	0	0	320	588	34	169,408,879
Mar-03	172,920,468	2,290,575		175,211,043	638.7	0.0	122.22	31	1	0	336	585	34	171,955,690
Apr-03	156,616,058	2,202,656	84,082	158,902,796	397.4	0.7	122.59	30	1	0	336	588	34	158,630,631
May-03	151,753,883	2,108,659		153,862,542	217.0	0.0	122.95	31	1	0	336	596	35	154,971,772
Jun-03	157,578,600	2,058,238	(1,205,437)	158,431,401	65.3	25.5	123.31	30	0	0	336	602	35	157,492,714
Jul-03	172,547,931	2,016,093		174,564,024	12.5	50.1	123.68	31	0	0	352	606	35	167,772,853
Aug-03	167,854,372	2,044,374	(150,206)	169,748,540	18.9	72.4	124.04	31	0	0	320	608	35	172,491,812
Sep-03	154,374,124	1,997,356		156,371,480	104.1	6.0	124.41	30	1	0	336	608	35	149,253,535
Oct-03	159,835,650	2,433,090		162,268,740	331.9	0.0	124.78	31	1	0	352	610	35	162,005,452
Nov-03	161,706,401	2,724,250		164,430,651	434.4	0.0	125.14	30	1	0	320	609	35	160,282,349
Dec-03	174,880,179	2,977,959	(368,072)	177,490,066	610.0	0.0	125.51	31	0	0	336	609	35	177,131,037
Jan-04	189,562,615	2,786,343		192,348,958	879.2	0.0	125.66	31						

	IESO	Generation	Load Transfers	Purchased	Heating Degree Days	Cooling Degree Days	Ontario Real GDP Monthly %	Number of Days in Month	Spring Fall Flag	CDM Activity	Number of Peak Hours	Employment Kitchener- Waterloo- Barrie (000's)	Unemployment Kitchener- Waterloo-Barrie (000's)	Predicted Purchases
Jun-05	182,430,580	3,025,792		185,456,372	27.3	104.8	128.85	30	0	11,253	352	648	36	184,616,948
Jul-05	179,553,228	3,123,730		182,676,958	6.8	105.4	129.12	31	0	13,129	320	653	37	185,413,407
Aug-05	184,426,854	3,121,647	(469,033)	187,079,468	11.9	67.9	129.38	31	0	15,004	352	656	37	176,935,493
Sep-05	159,422,370	3,056,133	(1,028,606)	161,449,897	63.4	13.7	129.65	30	1	16,880	336	652	37	153,318,099
Oct-05	160,516,274	2,883,941	26,941	163,427,156	259.9	2.6	129.92	31	1	18,755	320	650	36	160,532,675
Nov-05	166,028,954	3,104,938		169,133,892	433.1	0.0	130.19	30	1	20,631	352	644	36	165,585,290
Dec-05	182,966,259	3,207,148	(471,654)	185,701,753	721.6	0.0	130.45	31	0	22,506	320	645	36	183,477,087
Jan-06	178,288,001	3,127,236	(530,841)	180,884,396	590.6	0.0	130.74	31	0	89,668	336	644	34	179,328,546
Feb-06	164,479,598	2,883,550	19,066	167,382,214	651.2	0.0	131.03	28	0	156,830	320	643	34	169,526,601
Mar-06	172,892,182	3,232,734		176,124,916	562.4	0.0	131.33	31	1	223,992	368	641	34	175,540,460
Apr-06	148,908,687	3,056,277		151,964,964	322.5	0.0	131.62	30	1	291,154	304	644	34	156,865,546
May-06	156,565,358	3,089,254		159,654,612	177.8	17.7	131.91	31	1	358,316	352	652	34	163,655,717
Jun-06	163,419,920	2,996,747	(480,407)	165,936,260	44.1	32.2	132.20	30	0	425,478	352	660	35	163,503,761
Jul-06	177,939,977	3,157,808	(891,711)	180,206,074	6.5	117.2	132.50	31	0	492,640	320	665	35	188,780,130
Aug-06	167,043,152	3,155,436	121,285	170,319,873	27.5	45.5	132.79	31	0	559,802	352	667	35	170,412,450
Sep-06	143,344,914	3,068,450		146,413,364	130.3	2.3	133.09	30	1	626,964	320	665	35	150,818,495
Oct-06	153,058,324	3,145,499		156,203,823	335.1	0.0	133.38	31	1	694,125	336	667	35	163,537,114
Nov-06	156,414,973	3,028,348		159,443,321	415.9	0.0	133.68	30	1	761,287	352	666	35	164,274,773
Dec-06	166,458,241	3,028,408	(374,756)	169,111,893	545.2	0.0	133.98	31	0	828,449	304	668	35	174,080,970
Jan-07	174,419,227	3,099,274	(761,356)	176,757,145	698.3	0.0	134.25	31	0	907,333	352	662	38	183,102,432
Feb-07	166,691,262	2,857,641		169,548,903	785.1	0.0	134.53	28	0	986,216	320	657	37	172,921,975
Mar-07	166,700,004	3,085,285		169,785,289	582.0	0.0	134.81	31	1	1,065,100	352	652	37	172,697,457
Apr-07	149,528,054	3,049,354	(215,367)	152,362,041	403.0	0.0	135.08	30	1	1,143,983	320	647	37	158,599,418
May-07	150,384,862	3,629,223		154,014,085	166.4	11.2	135.36	31	1	1,222,867	352	647	37	157,827,242
Jun-07	166,748,069	2,751,787	(230,977)	169,268,879	35.5	51.2	135.64	30	0	1,301,751	336	652	37	164,098,510
Jul-07	161,680,251	2,997,159	(1,233,113)	163,444,297	28.0	53.8	135.92	31	0	1,380,634	336	660	38	168,344,167
Aug-07	171,683,657	3,020,733	64,199	174,768,589	19.7	65.1	136.20	31	0	1,459,518	352	662	38	172,458,986
Sep-07	152,749,372	2,716,289		155,465,661	74.7	28.0	136.48	30	1	1,538,401	304	661	38	151,495,015
Oct-07	153,403,455	2,760,987		156,164,442	184.7	10.9	136.76	31	1	1,617,285	352	663	38	158,097,937
Nov-07	160,155,435	3,169,286		163,324,721	511.8	0.0	137.04	30	1	1,696,168	352	667	38	164,935,749
Dec-07	171,832,799	2,432,767	(179,442)	174,086,124	686.6	0.0	137.33	31	0	1,775,052	304	669	38	176,623,378
Jan-08	177,058,679	2,832,543	(773,673)	179,117,549	676.8	0.0	137.55	31	0	1,813,010	352	661	40	178,989,310
Feb-08	166,921,823	3,033,525	(229,052)	169,726,296	730.3	0.0	137.78	28	0	1,850,968	320	656	40	167,574,398
Mar-08	166,357,193	2,608,248		168,965,441	686.1	0.0	138.01	31	1	1,888,926	304	647	39	170,280,861
Apr-08	144,983,805	2,999,650		147,983,455	297.9	0.0	138.23	30	1	1,926,884	352	647	39	153,895,516
May-08	142,166,893	3,110,003		145,276,896	243.1	0.7	138.46	31	1	1,964,842	336	649	39	154,187,981
Jun-08	156,219,057	3,095,141		159,314,198	40.6	53.0	138.69	30	0	2,002,800	336	657	40	162,622,162
Jul-08	169,629,769	2,782,598	(1,203,277)	171,209,090	7.6	75.8	138.92	31	0	2,040,758	352	664	40	173,194,081
Aug-08	158,690,251	3,356,512	16,174	162,062,937	36.2	29.5	139.15	31	0	2,078,716	320	667	40	158,065,794
Sep-08	149,556,677	2,790,265	(23,841)	152,323,101	93.2	12.0	139.38	30	1	2,116,674	336	670	40	148,344,361
Oct-08	148,160,437	3,010,161		151,170,598	325.7	0.0	139.61	31	1	2,154,632	352	673	41	159,415,637
Nov-08	154,931,359	3,370,793		158,302,152	499.7	0.0	139.84	30	1	2,192,590	304	677	41	159,559,966
Dec-08	171,778,131	1,995,994	(161,434)	173,612,691	694.0	0.0	140.07	31	0	2,230,548	336	674	41	178,018,088
Jan-09	176,131,307	2,752,174		178,883,481	891.8	0.0	139.97	31	0	2,295,813	336	662	66	181,139,335
Feb-09	151,717,789	2,657,507		154,375,296	649.6	0.0	139.86	29	0	2,361,077	304	649	64	160,425,453
Mar-09	156,553,861	3,105,512		159,659,373	562.6	0.0	139.76	31	1	2,426,342	352	636	63	162,311,908
Apr-09	138,889,187	3,087,139		141,976,326	341.5	3.2	139.65	30	1	2,491,606	320	632	63	147,472,762
May-09	134,434,411	3,608,621		138,043,032	192.8	2.3	139.55	31	1	2,556,871	320	632	62	144,283,904
Jun-09	142,548,339	3,449,814	(1,223,655)	144,774,498	75.7	26.2	139.44	30	0	2,622,135	352	643	64	150,107,550
Jul-09	143,270,941	3,581,028		146,851,969	37.6	14.5	139.34	31	0	2,687,400	352	650	64	148,667,635
Aug-09	157,674,451	3,670,057		161,344,508	34.4	57.3	139.23	31	0	2,752,664	320	655	65	158,969,639
Sep-09	140,458,615	3,469,952		143,928,567	88.8	5.5	139.13	30	1	2,817,929	336	655	65	138,463,044
Oct-09	145,285,176	3,644,538		148,929,714	329.1	0.0	139.02	31	1	2,883,194	336	657	65	150,346,633
Nov-09	145,607,812	3,579,715		149,187,527	396.5	0.0	138.92	30	1	2,948,458	320	655	65	147,997,329
Dec-09	166,545,329	3,572,913	(939,411)	169,178,831	669.5	0.0	138.81	31	0	3,013,723	352	652	65	169,659,911
Jan-10	171,587,069	3,440,699		175,027,768	752.0	0.0	138.44	31	0	3,039,170	320	646	58	171,301,429
Feb-10	152,386,226	2,736,449		155,122,675	644.7	0.0	138.06	28	0	3,064,617	304	642	57	154,372,281
Mar-10	152,881,624	3,076,980		155,958,604	470.9	0.0	137.69	31	1	3,090,064	368	640	57	158,003,675
Apr-10	134,783,810	3,474,388		138,258,198	266.0	0.0	137.31	30	1	3,115,512	336	644	58	143,366,125
May-10	147,558,538	3,554,304		151,112,842	144.7	21.0	136.94	31	1	3,140,959	320	653	58	147,284,869
Jun-10	152,085,417	3,365,360	(1,969,804)	153,480,973	37.9	30.9	136.57	30	0	3,166,406	352	669	60	149,616,880
Jul-10	173,774,673	3,414,396		177,189,069	6.7	106.1	136.20	31	0	3,191,853	336	680	61	173,764,403
Aug-10	169,918,494	3,110,959		173,029,453	11.5	83.6	135.83	31	0	3,217,301	336	683	61	167,165,101
Sep-10	141,552,978	3,139,012		144,691,990	122.7	21.2	135.47	30	1	3,242,748	336	677	60	144,475,005
Oct-10	141,431,853	3,513,334		144,945,187	285.1	0.0	135.10	31	1	3,268,195	320	670	60	146,834,991
Nov-10	149,100,645	3,312,803		152,413,448	467.8	0.0	134.73	30	1	3,293,642	336	668	60	151,856,549
Dec-10	169,078,607	3,230,070	(905,365)	171,403,312	719.4	0.0	134.37	31	0	3,319,090	368	667	60	172,777,868
Jan-11	173,480,601	2,965,560		176,446,161	827.8	0.0	134.70	31	0	3,384,750	336	664	52	175,906,424
Feb-11	154,641,844	2,793,475		157,435,319	681.6	0.0	135.03	28	0	3,450,411	304	666	52	156,379,284
Mar-11	161,467,012	3,394,895		164,861,907	622.7	0.0	135.37	31	1	3,516,071	368	671	52	165,197,398
Apr-11	141,723,732	3,572,359		145,296,091	359.8	0.0	135.70	30	1	3,581,732	320	680	53	147,105,676
May-11	142,626,392	3,354,992		145,981,384	152.2	13.2	136.03	31	1	3,647,392	336	686	53	147,296,074
Jun-11	148,833,888	3,642,329	(1,165,065)	151,311,152	48.5	21.6	136.37	30	0	3,713,053	352	697	54	147,928,433
Jul-11	178,623,729	3,661,638		182,285,367	0.8	130.8	136.71	31	0	3,778,713	320	708	55	180,333,742
Aug-11	164,128,078	3,433,253		167,561,331	6.9	63.6	137.04	31	0	3,844,374	352	708	55	162,631,662
Sep-11	143,183,425	2,920,176		146,103,601	97.7	20.3	137.38	30	1	3,910,034	336	701	54	143,4

	IESO	Generation	Load Transfers	Purchased	Heating Degree Days	Cooling Degree Days	Ontario Real GDP Monthly %	Number of Days in Month	Spring Fall Flag	CDM Activity	Number of Peak Hours	Employment Kitchener- Waterloo- Barrie (000's)	Unemployment Kitchener- Waterloo-Barrie (000's)	Predicted Purchases	
Dec-13					648.7	0.0	144.13	31	0	4,218,068	320	694	49	168,014,747	
Jan-14					749.4	0.0	144.36	31	0	4,210,424	352	694	49	174,756,935	
Feb-14					653.2	0.0	144.59	28	0	4,202,781	304	694	49	156,260,395	
Mar-14					567.5	0.0	144.81	31	1	4,195,137	336	694	49	161,527,759	
Apr-14					346.1	0.7	145.04	30	1	4,187,494	336	694	49	148,861,722	
May-14					180.9	9.5	145.27	31	1	4,179,850	336	694	49	148,260,131	
Jun-14					49.5	47.9	145.50	30	0	4,172,206	336	694	49	155,252,118	
Jul-14					12.9	83.2	145.72	31	0	4,164,563	352	694	49	169,281,158	
Aug-14					23.5	57.7	145.95	31	0	4,156,919	320	694	49	159,651,864	
Sep-14					96.4	18.0	146.18	30	1	4,149,276	336	694	49	143,937,126	
Oct-14					289.8	1.3	146.41	31	1	4,141,632	352	694	49	151,960,198	
Nov-14					443.9	0.0	146.64	30	1	4,133,989	320	694	49	152,050,584	
Dec-14					648.7	0.0	146.87	31	0	4,126,345	336	694	49	170,071,279	
						Weather Normal									34,778,251,692
1997				1,835,095,310						1,826,049,643	(9,045,667)	-0.5%			
1998				1,835,345,124						1,857,296,543	21,951,419	1.2%			
1999				1,899,849,275						1,923,840,164	23,990,889	1.3%			
2000				1,917,287,306						1,917,429,374	142,068	0.0%			
2001				1,963,866,511						1,953,633,840	(10,232,671)	-0.5%			
2002				2,036,912,520						1,998,774,914	(38,137,606)	-1.9%			
2003				2,013,203,373						1,988,925,998	(24,277,375)	-1.2%			
2004				2,009,748,106						1,996,079,500	(13,668,606)	-0.7%			
2005				2,086,364,095						2,067,680,563	(18,683,532)	-0.9%			
2006				1,983,645,710						2,020,324,564	36,678,854	1.8%			
2007				1,978,990,176						2,001,202,267	22,212,091	1.1%			
2008				1,939,064,404						1,964,148,154	25,083,750	1.3%			
2009				1,837,133,121						1,859,845,104	22,711,983	1.2%			
2010				1,892,633,519						1,880,819,177	(11,814,343)	-0.6%			
2011				1,895,197,233						1,887,427,044	(7,770,189)	-0.4%			
2012				1,885,738,118						1,866,597,054	(19,141,065)	-1.0%			
2013										1,876,306,519					
2014										1,891,871,270					
Total to 2012				31,010,073,902						31,010,073,902	0				
										34,778,251,692	0				
										Check totals above should be zero					

Non Weather Corrected Forecast									Non-Weather Total
2013	1,832,190,265	649,888,511	242,937,838	853,836,165	66,016,829	15,898,680	3,612,242		1,832,190,265
2014	1,808,504,312	655,355,325	244,909,580	856,894,763	31,798,990	16,128,465	3,417,188		1,808,504,312
					62,838,082				
Weather Corrected Forecast before 2013 and 2014 CDM Adjustments									Weather Total
2013	1,813,730,532	642,194,502	240,061,705	845,946,573	66,016,829	15,898,680	3,612,242		1,813,730,532
2014	1,797,737,096	650,858,143	243,228,961	852,305,349	31,798,990	16,128,465	3,417,188		1,797,737,096
Weather Normalization Percentage from 2006 Hydro One Study									
% Weather Sensitive		82.00%	82.00%	64.00%					Total
2013	(18,459,733)	532,908,579	199,209,027	546,455,145	0	0	0		1,278,572,752
2014	(10,767,216)	537,391,366	200,825,856	548,412,649	0	0	0		1,286,629,871
Allocation of Weather Sensitive Amount									
2013		(7,694,009)	(2,876,133)	(7,889,591)	0	0	0		(18,459,733)
2014		(4,497,182)	(1,680,620)	(4,589,414)	0	0	0		(10,767,216)
Manual Adjustment to the Load Forecast from 2013 and 2014 Programs on a Net Level									
CDM									
2013	(7,905,847)	(1,421,309)	(1,392,713)	(5,091,826)	0	0	0		(7,905,847)
2014	(17,167,541)	(3,086,371)	(3,024,275)	(11,056,896)	0	0	0		(17,167,541)
Weather Corrected Forecast after 2013 and 2014 CDM Adjustments									Adj Weather Total
2013	1,805,824,684	640,773,193	238,668,992	840,854,748	66,016,829	15,898,680	3,612,242		1,805,824,684
2014	1,780,569,555	647,771,772	240,204,686	841,248,453	31,798,990	16,128,465	3,417,188		1,780,569,555

Average Number of Customers or Connections

	Residential	GS<50 kW	GS>50 kW	Large User	Streetlights	USL	Subtotal
1997							
1998							
1999	62,677	6,548	1,004	3	1,325		71,557
2000	63,692	6,548	1,033	3	1,342	750	73,368
2001	64,284	6,568	1,035	4	1,370	750	74,011
2002	65,683	6,569	1,068	4	1,394	765	75,483
2003	67,527	6,703	1,035	4	1,405	765	77,439
2004	69,405	6,816	1,058	4	1,497	822	79,602
2005	71,490	6,916	1,077	4	1,517	807	81,811
2006	72,866	7,049	1,021	4	1,533	807	83,280
2007	74,392	7,198	1,005	4	1,523	818	84,940
2008	75,154	7,265	1,014	4	1,522	820	85,779
2009	76,255	7,370	1,005	3	1,551	817	87,001
2010	77,506	7,448	989	1	1,574	811	88,329
2011	78,761	7,538	975	2	1,568	841	89,685
2012	79,997	7,645	952	2	1,573	869	91,039
2013	81,277	7,737	948	2	1,569	879	92,413
2014	82,577	7,830	945	1	1,592	890	93,835

Growth Rate in Customer Numbers

1997						
1998						
1999						
2000	1.0162	1.0000	1.0289	1.0000	1.0132	
2001	1.0093	1.0031	1.0019	1.3333	1.0205	1.0000
2002	1.0218	1.0002	1.0319	1.0000	1.0181	1.0200
2003	1.0281	1.0204	0.9691	1.0000	1.0076	1.0000
2004	1.0278	1.0169	1.0222	1.0000	1.0655	1.0745
2005	1.0300	1.0147	1.0180	1.0000	1.0134	0.9818
2006	1.0192	1.0192	0.9480	1.0000	1.0105	1.0000
2007	1.0209	1.0211	0.9843	1.0000	0.9935	1.0136
2008	1.0102	1.0093	1.0091	1.0000	0.9995	1.0024
2009	1.0147	1.0145	0.9909	0.7500	1.0189	0.9963
2010	1.0164	1.0105	0.9841	0.4444	1.0150	0.9927
2011	1.0162	1.0121	0.9859	1.5000	0.9958	1.0370
2012	1.0157	1.0142	0.9768	1.0000	1.0037	1.0330
Used	1.0160	1.0120	0.9959	0.9693	1.0133	1.0123
Geomean	1.0189	1.0120	0.9959	0.9693	1.0133	1.0123

Annual kW for those classes that charge distribution volumetric charges on a kW basis

	GS>50 kW	Large User	Streetlights	Total
2000	1,702,404	339,080	39,194	2,080,678
2001	2,097,765	423,831	39,703	2,561,299
2002	2,249,449	475,022	36,995	2,761,466
2003	2,243,396	474,685	41,407	2,759,488
2004	2,273,819	460,426	41,732	2,775,977
2005	2,343,889	445,748	42,148	2,831,785
2006	2,306,337	381,847	42,692	2,730,876
2007	2,286,676	330,481	43,371	2,660,528
2008	2,227,288	329,862	45,893	2,603,043
2009	2,169,096	171,311	44,226	2,384,633
2010	2,260,312	95,621	44,895	2,400,828
2011	2,244,883	105,771	44,252	2,394,906
2012	2,227,931	136,790	44,229	2,408,950
2013	2,209,320	130,796	44,502	2,384,618
2014	2,225,927	63,002	45,145	2,334,074
		124,498		

kW/kWh

2000	0.2022%	0.1803%	0.2861%
2001	0.2376%	0.1850%	0.2861%
2002	0.2604%	0.1846%	0.2962%
2003	0.2602%	0.1876%	0.2793%
2004	0.2579%	0.1961%	0.2779%
2005	0.2551%	0.1921%	0.2792%
2006	0.2681%	0.2098%	0.2792%
2007	0.2638%	0.2096%	0.2791%
2008	0.2658%	0.2245%	0.2616%
2009	0.2642%	0.2146%	0.2778%
2010	0.2578%	0.2054%	0.2800%
2011	0.2577%	0.1888%	0.2791%
2012	0.2619%	0.1972%	0.2774%
Average	0.2612%	0.1981%	0.2799%

	Total OPA Annual CDM Results (Gross)	Total OPA Annual CDM Results (Net)	# Difference	% Difference of Net	Total Annual CDM Results	Full year Increase over previous year	Half year pattern		
2005	292,583	292,583	-	0.0%	292,583	292,583	146,292	146,292	1,876
2006	11,429,858	10,724,827	705,031	6.6%	10,724,827	10,432,244	5,508,705	5,238,628	67,162
2007	30,126,928	21,463,789	8,663,139	40.4%	21,463,789	10,738,962	16,094,308	6,152,917	78,884
2008	34,400,976	27,058,909	7,342,066	27.1%	27,058,909	5,595,120	24,261,349	2,960,726	37,958
2009	47,381,960	36,655,515	10,726,445	29.3%	36,655,515	9,596,605	31,857,212	5,090,633	65,265
2010	54,664,487	39,643,598	15,020,889	37.9%	39,643,598	2,988,083	38,149,557	1,984,886	25,447
2011	52,431,811	37,374,961	15,056,850	40.3%	50,257,589	10,613,991	44,950,594	5,121,519	65,660
2012	50,947,314	36,539,764	14,407,550	39.4%	55,878,490	5,620,900	53,068,040	3,783,853	48,511
2013	45,587,650	31,270,273	14,317,376	45.8%	50,537,006	- 5,341,484	53,207,748	- 3,062,014	- 39,257
2014	44,094,367	30,516,052	13,578,314	44.5%	49,504,226	- 1,032,780	50,020,616	- 596,197	- 7,644
Total	371,357,933	271,540,271	99,817,661	36.8%	341,723,950		317,264,420		
	178,296,791	135,839,221							

4 Year 2011 to 2014 target
98,411,344

Proposed Cost of Service Method				
2011	2012	2013	2014	Total
13.1%	13.0%	13.0%	12.8%	51.8%
	6.7%	6.6%	6.5%	19.8%
		9.5%	9.5%	18.9%
			9.5%	9.5%
13.1%	19.7%	29.0%	38.2%	100.0%
12,882,629	12,777,283	12,766,733	12,588,174	51,014,819
	6,561,443	6,500,000	6,400,000	19,461,443
		9,311,694	9,311,694	18,623,388
			9,311,694	9,311,694
12,882,629	19,338,726	28,578,427	37,611,562	98,411,344

Actual 2011 Results and Persistence

Estimated 2012 Results and Persistence

Station Name	Waterloo Airport
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Heating Degree Days	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	10 Year Average	20 Year Trend
Jan	718	1,204	913	789	778	653	790	773	715	626	868	879	815	591	698	677	892	752	828	657	766	696
Feb	684	924	875	713	615	547	578	644	620	592	756	699	684	651	785	730	650	645	682	573	685	631
Mar	553	639	697	670	619	505	593	447	619	581	639	541	681	562	582	686	563	471	623	370	572	527
Apr	481	493	524	422	392	312	333	358	325	356	397	354	355	323	403	298	342	266	360	365	346	290
May	279	283	257	216	289	77	127	152	140	267	217	196	245	178	166	243	193	145	152	107	184	142
Jun	126	90	75	29	30	67	44	41	47	53	65	93	27	44	36	41	76	38	49	42	51	35
Jul	44	67	50	19	22	7	3	19	22	5	13	21	7	7	28	8	38	7	1	0	13	-1
Aug	39	95	39	6	49	12	29	30	2	11	19	55	12	28	20	36	34	12	7	20	24	11
Sep	246	138	229	102	115	63	89	134	119	50	104	71	63	130	75	93	89	123	98	125	97	69
Oct	416	321	397	301	289	258	319	252	277	346	332	288	260	335	185	326	329	285	280	279	290	263
Nov	599	553	804	548	471	440	405	471	371	486	434	433	433	416	512	500	397	468	382	484	446	384
Dec	640	762	959	597	631	572	624	827	563	676	610	700	722	545	687	694	670	719	575	566	649	613
																					4,123	3,661
Cooling Degree Days	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012		
Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	7	1	0	0	0	0	0	3	0	0	0	0	1
May	0	0	11	10	0	17	11	19	8	5	0	7	0	18	11	1	2	21	13	20	9	13
Jun	2	12	25	39	50	64	77	35	62	55	26	16	105	32	51	53	26	31	22	61	42	51
Jul	7	11	16	42	60	65	139	45	66	129	50	49	105	117	54	76	15	106	131	126	83	117
Aug	32	9	34	55	22	83	31	46	94	72	72	31	68	46	65	30	57	84	64	58	57	71
Sep	0	1	10	13	5	26	28	24	19	47	6	14	14	2	28	12	6	21	20	16	14	20
Oct	0	0	0	0	2	0	0	0	0	6	0	0	3	0	11	0	0	0	0	0	1	2
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
																					207	275

2013 Load Forecast	kWh	kW	2012 %RPP
Residential	640,773,193		94%
GS<50 kW	238,668,992		86%
GS>50 kW	840,854,748	2,209,320	14%
Large User	66,016,829	130,796	0%
Streetlights	15,898,680	44,502	0%
USL	3,612,242		0%
Embedded Distributor	0	0.0000	0%
TOTAL	1,805,824,684	2,384,618	

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Electricity - Commodity RPP	2013 Forecasted	2013 Loss			
Class per Load Forecast RPP	Metered kWhs	Factor	2013		
Residential	601,647,425	1.0351	622,790,550	\$0.08395	\$52,283,267
GS<50 kW	205,417,023	1.0351	212,635,799	\$0.08395	\$17,850,775
GS>50 kW	118,975,701	1.0351	123,156,751	\$0.08395	\$10,339,009
Large User	0	1.0351	0	\$0.08395	\$0
Streetlights	0	1.0351	0	\$0.08395	\$0
USL	0	1.0351	0	\$0.08395	\$0
Embedded Distributor	0	1.0351	0	\$0.08395	\$0
TOTAL	926,040,149		958,583,100		\$80,473,051

Electricity - Commodity Non-RPP	2013 Forecasted	2013 Loss			
Class per Load Forecast	Metered kWhs	Factor	2013		
Residential	39,125,769	1.0351	40,500,729	\$0.08717	\$3,530,449
GS<50 kW	33,251,969	1.0351	34,420,511	\$0.08717	\$3,000,436
GS>50 kW	701,736,337	1.0351	726,396,792	\$0.08717	\$63,320,008
Large User	66,016,829	1.0053	66,366,718	\$0.08717	\$5,785,187
Streetlights	15,898,680	1.0351	16,457,393	\$0.08717	\$1,434,591
USL	3,612,242	1.0351	3,739,184	\$0.08717	\$325,945
Embedded Distributor	0	1.0351	0	\$0.08717	\$0
TOTAL	859,641,826		887,881,326		\$77,396,615

Transmission - Network		Volume			
Class per Load Forecast		Metric	2013		
Residential		kWh	663,291,278	\$0.0072	\$4,775,697
GS<50 kW		kWh	247,056,310	\$0.0062	\$1,531,749
GS>50 kW		kW	2,209,320	\$3.2836	\$7,254,523
Large User		kW	130,796	\$3.0862	\$403,662
Streetlights		kW	44,502	\$1.9967	\$88,857
USL		kWh	3,739,184	\$0.0062	\$23,183
Embedded Distributor		kW	44,674	\$3.0960	\$138,310
TOTAL					\$14,215,982

Transmission - Connection		Volume			
Class per Load Forecast		Metric	2013		
Residential		kWh	663,291,278	\$0.0014	\$928,608
GS<50 kW		kWh	247,056,310	\$0.0013	\$321,173
GS>50 kW		kW	2,209,320	\$0.6851	\$1,513,605
Large User		kW	130,796	\$0.6440	\$84,232
Streetlights		kW	44,502	\$0.4169	\$18,553
USL		kWh	3,739,184	\$0.0013	\$4,861
Embedded Distributor		kW	44,674	\$0.6461	\$28,864
TOTAL					\$2,899,896

Wholesale Market Service					
Class per Load Forecast			2013 (4 mos at \$.0052)		
Residential			663,291,278	\$0.0044	\$3,095,359
GS<50 kW			247,056,310	\$0.0044	\$1,152,929
GS>50 kW			849,553,543	\$0.0044	\$3,964,583
Large User			66,366,718	\$0.0044	\$309,711
Streetlights			16,457,393	\$0.0044	\$76,801
USL			3,739,184	\$0.0044	\$17,450
Embedded Distributor			0	\$0.0044	\$0
TOTAL			1,846,464,426		\$8,616,834

Rural Rate Assistance					
Class per Load Forecast			2013		
Residential			663,291,278	\$0.0012	\$795,950
GS<50 kW			247,056,310	\$0.0012	\$296,468
GS>50 kW			849,553,543	\$0.0012	\$1,019,464
Large User			66,366,718	\$0.0012	\$79,640
Streetlights			16,457,393	\$0.0012	\$19,749
USL			3,739,184	\$0.0012	\$4,487
Embedded Distributor			0	\$0.0012	\$0
TOTAL			1,846,464,426		\$2,215,757

Smart Meter Entity Charge					
Class per Load Forecast			2013		
Residential			650,216	\$0.7900	\$513,670
GS<50 kW			61,896	\$0.7900	\$48,898
TOTAL			712,112		\$562,568
2013					
4705-Power Purchased	\$157,869,666				
4708-Charges-WMS	\$8,616,834				
4714-Charges-NW	\$14,215,982				
4716-Charges-CN	\$2,899,896				
4730-Rural Rate Assistance	\$2,215,757				
4751-Smart Meter Entity	\$562,568				
TOTAL	\$186,380,704				

2014 Load Foreacst	kWh	kW	2012 %RPP
Residential	647,771,772		94%
General Service≤ 50 kW	240,204,686		86%
General Service≥ 50 kW	841,248,453	2,225,927	14%
Large User	31,798,990	63,002	0%
Streetlights	16,128,465	45,145	0%
Unmetered Loads	3,417,188		0%
Embedded Distributor			
TOTAL	1,780,569,555	2,334,074	

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Electricity - Commodity RPP	2014	2014 Loss			
Class per Load Forecast RPP	Forecasted	Factor	2014		
Residential	608,218,668	1.0351	629,592,720	\$0.08900	\$56,033,752
General Service≤ 50 kW	206,738,761	1.0351	214,003,985	\$0.08900	\$19,046,355
General Service≥ 50 kW	119,031,408	1.0351	123,214,416	\$0.08900	\$10,966,083
Large User	0	1.0053	0	\$0.08900	\$0
Streetlights	0	1.0351	0	\$0.08900	\$0
Unmetered Loads	0	1.0351	0	\$0.08900	\$0
Embedded Distributor	0	1.0351	0	\$0.08900	\$0
TOTAL	933,988,837		966,811,121		\$86,046,190

Electricity - Commodity Non-RPP	2014	2014 Loss			
Class per Load Forecast	Forecasted	Factor	2014		
Residential	39,553,104	1.0351	40,943,081	\$0.08760	\$3,586,614
General Service≤ 50 kW	33,465,925	1.0351	34,641,987	\$0.08760	\$3,034,638
General Service≥ 50 kW	702,074,336	1.0351	726,746,669	\$0.08760	\$63,663,008
Large User	31,798,990	1.0053	31,967,525	\$0.08760	\$2,800,355
Streetlights	16,128,465	1.0351	16,695,252	\$0.08760	\$1,462,504
Unmetered Loads	3,417,188	1.0351	3,537,275	\$0.08760	\$309,865
Embedded Distributor	0	1.0351	0	\$0.08760	\$0
TOTAL	826,438,009		854,531,789		\$74,856,985

Transmission - Network		Volume Metric			
Class per Load Forecast			2014		
Residential		kWh	670,535,801	\$0.0072	\$4,827,858
General Service≤ 50 kW		kWh	248,645,972	\$0.0062	\$1,541,605
General Service≥ 50 kW		kW	2,225,927	\$3.2836	\$7,309,054
Large User		kW	63,002	\$3.0862	\$194,436
Streetlights		kW	45,145	\$1.9967	\$90,142
Unmetered Loads		kWh	3,537,275	\$0.0062	\$21,931
Embedded Distributor		kW	44,674	\$3.0960	\$138,310
TOTAL					\$14,123,335

Transmission - Connection		Volume Metric			
Class per Load Forecast			2014		
Residential		kWh	670,535,801	\$0.0014	\$938,750
General Service≤ 50 kW		kWh	248,645,972	\$0.0013	\$323,240
General Service≥ 50 kW		kW	2,225,927	\$0.6851	\$1,524,983
Large User		kW	63,002	\$0.6440	\$40,573
Streetlights		kW	45,145	\$0.4169	\$18,821
Unmetered Loads		kWh	3,537,275	\$0.0013	\$4,598
Embedded Distributor		kW	44,674	\$0.6461	\$28,864
TOTAL					\$2,879,829

Wholesale Market Service					
Class per Load Forecast			2014		
Residential			670,535,801	\$0.0044	\$2,950,358
General Service≤ 50 kW			248,645,972	\$0.0044	\$1,094,042
General Service≥ 50 kW			849,961,085	\$0.0044	\$3,739,829
Large User			31,967,525	\$0.0044	\$140,657
Streetlights			16,695,252	\$0.0044	\$73,459
Unmetered Loads			3,537,275	\$0.0044	\$15,564
Embedded Distributor			0	\$0.0044	\$0
TOTAL			1,821,342,910		\$8,013,909

Rural Rate Assistance					
Class per Load Forecast			2014		
Residential			670,535,801	\$0.0012	\$804,643
General Service≤ 50 kW			248,645,972	\$0.0012	\$298,375
General Service≥ 50 kW			849,961,085	\$0.0012	\$1,019,953
Large User			31,967,525	\$0.0012	\$38,361
Streetlights			16,695,252	\$0.0012	\$20,034
Unmetered Loads			3,537,275	\$0.0012	\$4,245
Embedded Distributor			0	\$0.0012	\$0
TOTAL			1,821,342,910		\$2,185,611

Smart Meter Entity Charge					
Class per Load Forecast			2014		
Class per Load Forecast			990,929	\$0.7900	\$782,834
Residential			93,957	\$0.7900	\$74,226
TOTAL			1,084,886		\$857,060

2014	
4705-Power Purchased	\$160,903,174
4708-Charges-WMS	\$8,013,909
4714-Charges-NW	\$14,123,335
4716-Charges-CN	\$2,879,829
4730-Rural Rate Assistance	\$2,185,611
4751-Smart Meter Entity	\$857,060
TOTAL	\$188,962,918

Initiative	Unit	Incremental Activity				Net Incremental Peak Demand Savings (kW)				Net Incremental Energy Savings (kWh)				2014 Net Annual Peak Demand Savings (kW)	2011-2014 Cumulative Energy Savings (kWh)
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014	2014
Consumer Program															
Appliance Retirement	Appliances	631	335			36	21	25	20	262,506	144,063	150,000	130,000	102	1,912,213
Appliance Exchange	Appliances	69	2			7	0	5	5	8,561	364	5,000	5,000	17	50,336
HVAC Incentives	Equipment	2,261	1,760			642	541	600	600	1,178,372	996,900	1,200,000	1,100,000	2,383	11,204,188
Conservation Instant Coupon Book	Coupons	8,184	42			19	5	25	25	305,679	1,789	300,000	300,000	74	2,128,083
Bi-Annual Retailer Event	Coupons	14,195	5,138			27	11	10	10	479,313	200,227	350,000	300,000	58	3,517,933
Residential Demand Response	Devices	271	271			152	162	750	2,000	0	0	0	0	2,000	0
Consumer Program Total						731	578	665	660	2,234,431	1,343,343	2,005,000	1,835,000	4,634	18,812,753
Business Program															
Retrofit	Projects	50	92			564	741	1,655	900	3,057,370	3,572,196	7,000,000	4,850,000	3,860	41,796,068
Direct Install Lighting	Projects	239	172			261	333	350	350	631,336	838,891	1,000,000	1,000,000	1,294	8,042,017
Small Commercial DR		9	9			6	6	100	130	0	0	0	0	150	0
Demand Response 3	Facilities	4	8			455	579	800	600	17,768	22,681	0	0	800	40,449
Business Program Total						825	1,074	2,005	1,250	3,706,474	4,433,768	8,000,000	5,850,000	5,904	49,878,534
Retrofit	Projects	10	0							271,185	0	0	0	0	1,084,740
Demand Response 3	Facilities	4	3			1,453	1,226	1,500	1,500	85,285	71,988	0	0	1,500	157,273
Industrial Program Total										356,470	71,988	0	0	1,500	1,242,013
Pre-2011 Program															
ERIP		68	0			964	0	0	0	6,580,023	0	0	0	964	26,320,092
HPNC		0	1			1	134	15	0	5,230	712,344	0	0	150	2,157,952
Total Pre-2011 Programs						965	134	15	0	6,585,253	712,344	0	0	1,114	28,478,044
Energy Efficiency Total										12,882,629	6,561,443	10,005,000	7,685,000	13,152	98,411,344

OEB Target	21,560	90,290,000
% of OEB Target Achieved	61.0%	109.0%

17.98% 17.62% 64.41%

Table 3-1: Summary of Load and Customer/Connection Forecast for Energy						
Year	Billed (gWh)	Growth (gWh)	Percent Change	Customer/ Connection Count	Growth	Percent Change (%)
Billed Energy (gWh) and Customer Count / Connections						
2010 Board Approved	1,861.2			89,033		
2000 Actual	1,825.7			73,368		
2001 Actual	1,865.0	39.2	2.1%	74,011	643	0.9%
2002 Actual	1,966.6	101.7	5.5%	75,484	1474	2.0%
2003 Actual	1,970.4	3.7	0.2%	77,440	1956	2.6%
2004 Actual	1,947.5	(22.9)	(1.2%)	79,603	2163	2.8%
2005 Actual	2,040.9	93.4	4.8%	81,812	2209	2.8%
2006 Actual	1,917.7	(123.1)	(6.0%)	83,281	1469	1.8%
2007 Actual	1,918.2	0.5	0.0%	84,941	1660	2.0%
2008 Actual	1,877.4	(40.8)	(2.1%)	85,780	839	1.0%
2009 Actual	1,777.4	(100.0)	(5.3%)	87,002	1222	1.4%
2010 Actual	1,829.5	52.1	2.9%	88,330	1328	1.5%
2011 Actual	1,833.9	4.4	0.2%	89,686	1356	1.5%
2012 Actual	1,825.2	(8.6)	(0.5%)	91,040	1354	1.5%
2013 Bridge	1,805.8	(19.4)	(1.1%)	92,414	1374	1.5%
2014 Test	1,780.6	(25.3)	(1.4%)	93,836	1422	1.5%

Table 3-2: Billed Energy and Number of Customers / Connections by Rate Class for Energy							
Year	Residential	GS<50	GS>50	Large User	Street Lighting	USL	Total
Billed Energy (gWh)							
2010 Board Approved	650.0	235.5	884.1	71.7	16.7	3.3	1,861.2
2000 Actual	561.4	216.1	842.0	188.1	13.7	4.4	1,825.7
2001 Actual	540.9	194.4	882.8	229.1	13.9	4.0	1,865.0
2002 Actual	609.3	219.4	863.7	257.4	12.5	4.5	1,966.6
2003 Actual	610.2	225.5	862.2	253.1	14.8	4.6	1,970.4
2004 Actual	593.4	218.4	881.5	234.7	15.0	4.5	1,947.5
2005 Actual	640.5	229.6	919.0	232.1	15.1	4.7	2,040.9
2006 Actual	624.2	231.1	860.4	182.0	15.3	4.7	1,917.7
2007 Actual	639.5	233.7	866.8	157.7	15.5	5.0	1,918.2
2008 Actual	638.2	233.5	838.0	146.9	17.5	3.3	1,877.4
2009 Actual	626.9	230.6	820.9	79.8	15.9	3.3	1,777.4
2010 Actual	650.7	236.1	876.9	46.6	16.0	3.3	1,829.5
2011 Actual	647.3	240.2	871.3	56.0	15.9	3.3	1,833.9
2012 Actual	644.5	241.0	850.8	69.4	15.9	3.7	1,825.2
2013 Bridge	640.8	238.7	840.9	66.0	15.9	3.6	1,805.8
2014 Test	647.8	240.2	841.2	31.8	16.1	3.4	1,780.6

Number of Customers/Connections for Energy							
2010 Board Approved	78,139	7,484	1,003	2	1,585	820	89,033
2000 Actual	63,692	6,548	1,033	3	1,342	750	73,368
2001 Actual	64,284	6,568	1,035	4	1,370	750	74,011
2002 Actual	65,683	6,569	1,068	4	1,394	765	75,483
2003 Actual	67,527	6,703	1,035	4	1,405	765	77,439
2004 Actual	69,405	6,816	1,058	4	1,497	822	79,602
2005 Actual	71,490	6,916	1,077	4	1,517	807	81,811
2006 Actual	72,866	7,049	1,021	4	1,533	807	83,280
2007 Actual	74,392	7,198	1,005	4	1,523	818	84,940
2008 Actual	75,154	7,265	1,014	4	1,522	820	85,779
2009 Actual	76,255	7,370	1,005	3	1,551	817	87,001
2010 Actual	77,506	7,448	989	1	1,574	811	88,329
2011 Actual	78,761	7,538	975	2	1,568	841	89,685
2012 Actual	79,997	7,645	952	2	1,573	869	91,039
2013 Bridge	81,277	7,737	948	2	1,569	879	92,413
2014 Test	82,577	7,830	945	1	1,592	890	93,835

Table 3-3: Annual Usage per Customer/Connection by Rate Class for Energy						
Year	Residential	GS<50	GS>50	Large User	Street Lighting	USL
Energy Usage per Customer/Connection (kWh per customer/connection) for Energy						
2010 Board Approved	8,319	31,462	881,407	35,841,302	10,530	4,009
2000 Actual	8,814	33,004	815,112	62,695,622	10,209	5,881
2001 Actual	8,414	29,601	852,902	57,268,001	10,133	5,290
2002 Actual	9,276	33,394	808,693	64,339,799	8,956	5,852
2003 Actual	9,037	33,641	833,019	63,268,132	10,553	6,016
2004 Actual	8,550	32,039	833,183	58,684,491	10,031	5,422
2005 Actual	8,959	33,199	853,252	58,014,601	9,953	5,806
2006 Actual	8,566	32,789	842,714	45,493,950	9,974	5,865
2007 Actual	8,597	32,465	862,482	39,420,194	10,205	6,085
2008 Actual	8,491	32,136	826,308	36,732,194	11,524	4,009
2009 Actual	8,221	31,284	816,904	26,607,462	10,265	4,034
2010 Actual	8,395	31,701	886,713	34,922,720	10,186	4,031
2011 Actual	8,218	31,859	893,594	28,007,635	10,115	3,946
2012 Actual	8,056	31,520	893,373	34,678,188	10,133	4,255
2013 Bridge	7,884	30,848	886,537	33,008,414	10,133	4,107
2014 Test	7,844	30,678	890,564	31,798,990	10,133	3,838

Annual Growth Rate in Usage per Customer/Connection for Energy

2010 Board App. vs. 2010 Actual	1.2%	0.6%	7.9%	34.7%	2.6%	(0.6%)
2000 Actual						
2001 Actual	(4.5%)	(10.3%)	4.6%	(8.7%)	(0.7%)	(10.0%)
2002 Actual	10.2%	12.8%	(5.2%)	12.3%	(11.6%)	10.6%
2003 Actual	(2.6%)	0.7%	3.0%	(1.7%)	17.8%	2.8%
2004 Actual	(5.4%)	(4.8%)	0.0%	(7.2%)	(4.9%)	(9.9%)
2005 Actual	4.8%	3.6%	2.4%	(1.1%)	(0.8%)	7.1%
2006 Actual	(4.4%)	(1.2%)	(1.2%)	(21.6%)	0.2%	1.0%
2007 Actual	0.4%	(1.0%)	2.3%	(13.4%)	2.3%	3.7%
2008 Actual	(1.2%)	(1.0%)	(4.2%)	(6.8%)	12.9%	(34.1%)
2009 Actual	(3.2%)	(2.7%)	(1.1%)	(27.6%)	(10.9%)	0.6%
2010 Actual	2.1%	1.3%	8.5%	31.3%	(0.8%)	(0.1%)
2011 Actual	(2.1%)	0.5%	0.8%	(19.8%)	(0.7%)	(2.1%)
2012 Actual	(2.0%)	(1.1%)	(0.0%)	23.8%	0.2%	7.8%
2013 Bridge	(2.1%)	(2.1%)	(0.8%)	(4.8%)	0.0%	(3.5%)
2014 Test	(0.5%)	(0.5%)	0.5%	(3.7%)	0.0%	(6.6%)

Table 3-17 CDM Summary				
2008 through 2011 Final Results - kWh				
2005	2006	2007	2008	2009
292,583	10,724,827	21,463,789	27,058,909	36,655,515
2010	2011	2012	2013	2014
39,643,598	37,374,961	36,539,764	31,270,273	30,516,052
kWh savings from 2011 programs with presistent impact				
	2011	2012	2013	2014
	12,882,629	12,777,283	12,766,733	12,588,174

Table 3-5: Statistical Results	
Statistic	Value
R Square	89%
Adjusted R Square	89%
F Test	171.0
T-stats by Coefficient	
Heating Degree Days	23.0
Cooling Degree Days	17.2
Ontario Real GDP Monthly %	2.1
Number of Days in Month	9.1
Spring Fall Flag	(5.7)
CDM Activity	(8.3)
Number of Peak Hours	4.0
Employment Kitchener-Waterloo-Barrie (000's)	2.9
Unemployment Kitchener-Waterloo-Barrie (000's)	(3.0)
Intercept	(3.2)

Table 3-6: Total System Purchases			
Year	Actual	Predicted	% Difference
Purchased Energy (gWh)			
1997	1,835.1	1,826.0	(0.5%)
1998	1,835.3	1,857.3	1.2%
1999	1,899.8	1,923.8	1.3%
2000	1,917.3	1,917.4	0.0%
2001	1,963.9	1,953.6	(0.5%)
2002	2,036.9	1,998.8	(1.9%)
2003	2,013.2	1,988.9	(1.2%)
2004	2,009.7	1,996.1	(0.7%)
2005	2,086.4	2,067.7	(0.9%)
2006	1,983.6	2,020.3	1.8%
2007	1,979.0	2,001.2	1.1%
2008	1,939.1	1,964.1	1.3%
2009	1,837.1	1,859.8	1.2%
2010	1,892.6	1,880.8	(0.6%)
2011	1,895.2	1,887.4	(0.4%)
2012	1,885.7	1,866.6	(1.0%)
2013 Weather Normal		1,876.3	
2014 Weather Normal		1,891.9	
2014 Weather Normal - 10 year average		1,891.2	
2014 Weather Normal - 20 year trend		1,892.2	

Table 3-7: Historical Customer/Connection Data for Energy							
Year	Residential	GS<50	GS>50	Large User	Street Lighting	USL	Total
Number of Customers/Connections							
2000	63,692	6,548	1,033	3	1,342	750	73,368
2001	64,284	6,568	1,035	4	1,370	750	74,011
2002	65,683	6,569	1,068	4	1,394	765	75,483
2003	67,527	6,703	1,035	4	1,405	765	77,439
2004	69,405	6,816	1,058	4	1,497	822	79,602
2005	71,490	6,916	1,077	4	1,517	807	81,811
2006	72,866	7,049	1,021	4	1,533	807	83,280
2007	74,392	7,198	1,005	4	1,523	818	84,940
2008	75,154	7,265	1,014	4	1,522	820	85,779
2009	76,255	7,370	1,005	3	1,551	817	87,001
2010	77,506	7,448	989	1	1,574	811	88,329
2011	78,761	7,538	975	2	1,568	841	89,685
2012	79,997	7,645	952	2	1,573	869	91,039

Table 3-8: Growth Rate in Customer/Connections for Energy						
Year	Residential	GS<50	GS>50	Large User	Street Lighting	USL
Growth Rate in Customers/Connections for Energy						
2000						
2001	0.9%	0.3%	0.2%	33.3%	2.1%	0.0%
2002	2.2%	0.0%	3.2%	0.0%	1.8%	2.0%
2003	2.8%	2.0%	(3.1%)	0.0%	0.8%	0.0%
2004	2.8%	1.7%	2.2%	0.0%	6.5%	7.5%
2005	3.0%	1.5%	1.8%	0.0%	1.3%	(1.8%)
2006	1.9%	1.9%	(5.2%)	0.0%	1.1%	0.0%
2007	2.1%	2.1%	(1.6%)	0.0%	(0.7%)	1.4%
2008	1.0%	0.9%	0.9%	0.0%	(0.0%)	0.2%
2009	1.5%	1.5%	(0.9%)	(25.0%)	1.9%	(0.4%)
2010	1.6%	1.0%	(1.6%)	(55.6%)	1.5%	(0.7%)
2011	1.6%	1.2%	(1.4%)	50.0%	(0.4%)	3.7%
2012	1.6%	1.4%	(2.3%)	0.0%	0.4%	3.3%
Geometric Mean	1.9%	1.2%	(0.4%)	(3.1%)	1.3%	1.2%

Table 3-9: Customer/Connection Forecast for Energy							
Year	Residential	GS<50	GS>50	Large User	Street Lighting	USL	Total
Forecast Number of Customers/Connections for Energy							
2013	81,277	7,737	948	2	1,569	879	92,413
2014	82,577	7,830	945	1	1,592	890	93,835

Table 3-23: Historical Annual Usage per Customer for Energy							
Year	Residential	GS<50	GS>50	Large User	Street Lighting	USL	Embedded Distributor
Annual kWh Usage Per Customer/Connection for Energy							
2000	8,814	33,004	815,112	62,695,622	10,209	5,881	
2001	8,414	29,601	852,902	57,268,001	10,133	5,290	
2002	9,276	33,394	808,693	64,339,799	8,956	5,852	15,328,897
2003	9,037	33,641	833,019	63,268,132	10,553	6,016	20,418,901
2004	8,550	32,039	833,183	58,684,491	10,031	5,422	19,486,436
2005	8,959	33,199	853,252	58,014,601	9,953	5,806	16,865,800
2006	8,566	32,789	842,714	45,493,950	9,974	5,865	21,112,323
2007	8,597	32,465	862,482	39,420,194	10,205	6,085	22,263,925
2008	8,491	32,136	826,308	36,732,194	11,524	4,009	22,427,621
2009	8,221	31,284	816,904	26,607,462	10,265	4,034	22,622,442
2010	8,395	31,701	886,713	34,922,720	10,186	4,031	24,190,281
2011	8,218	31,859	893,594	28,007,635	10,115	3,946	21,309,995
2012	8,056	31,520	893,373	34,678,188	10,133	4,255	17,590,424

Table 3-11: Growth Rate in Usage Per Customer/Connection for Energy						
Year	Residential	GS<50	GS>50	Large User	Street Lighting	USL
Growth Rate in Customer/Connection for Energy						
2000						
2001	(4.5%)	(10.3%)	4.6%	(8.7%)	(0.7%)	(10.0%)
2002	10.2%	12.8%	(5.2%)	12.3%	(11.6%)	10.6%
2003	(2.6%)	0.7%	3.0%	(1.7%)	17.8%	2.8%
2004	(5.4%)	(4.8%)	0.0%	(7.2%)	(4.9%)	(9.9%)
2005	4.8%	3.6%	2.4%	(1.1%)	(0.8%)	7.1%
2006	(4.4%)	(1.2%)	(1.2%)	(21.6%)	0.2%	1.0%
2007	0.4%	(1.0%)	2.3%	(13.4%)	2.3%	3.7%
2008	(1.2%)	(1.0%)	(4.2%)	(6.8%)	12.9%	(34.1%)
2009	(3.2%)	(2.7%)	(1.1%)	(27.6%)	(10.9%)	0.6%
2010	2.1%	1.3%	8.5%	31.3%	(0.8%)	(0.1%)
2011	(2.1%)	0.5%	0.8%	(19.8%)	(0.7%)	(2.1%)
2012	(2.0%)	(1.1%)	(0.0%)	23.8%	0.2%	7.8%
Geometric Mean	(0.7%)	(0.4%)	0.8%	(4.8%)	0.0%	(6.6%)

Table 3-12: Forecast Annual kWh Usage per Customer/Connection for Energy						
Year	Residential	GS<50	GS>50	Large User	Street Lighting	USL
Forecast Annual kWh Usage per Customers/Connection for Energy						
2013	7,996	31,400	900,224	33,008,414	10,133	3,976
2014	7,936	31,279	907,128	31,419,041	10,133	3,716

Table 3-13: Non-normalized Weather Billed Energy Forecast (gWh) for Energy							
Year	Residential	GS<50	GS>50	Large User	Street Lighting	USL	Total
NON-normalized Weather Billed Energy Forecast (gWh) for Energy							
2013 (Not Normalized)	649.9	242.9	853.8	66.0	15.9	3.6	1,832.2
2014 (Not Normalized)	655.4	244.9	856.9	31.8	16.1	3.4	1,808.5

Table 3-14: Weather Sensitivity by Rate Class for Energy					
Residential	GS<50	GS>50	Large User	Street Lighting	USL
Weather Sensitivity					
82.0%	82.0%	64.0%	0.0%	0.0%	0.0%

Table 3-15: Average Net to Gross Percentage				
	CDM Results (Gross)	Final CDM Results (Net)	# Difference	% Difference of Net
2005	292,583	292,583	0	0.0%
2006	11,429,858	10,724,827	705,031	6.6%
2007	30,126,928	21,463,789	8,663,139	40.4%
2008	34,400,976	27,058,909	7,342,066	27.1%
2009	47,381,960	36,655,515	10,726,445	29.3%
2010	54,664,487	39,643,598	15,020,889	37.9%
2011	52,431,811	37,374,961	15,056,850	40.3%
2012	50,947,314	36,539,764	14,407,550	39.4%
2013	45,587,650	31,270,273	14,317,376	45.8%
2014	44,094,367	30,516,052	13,578,314	44.5%
Total	371,357,933	271,540,271	99,817,661	36.8%

4 Year 2011 to 2014 kWh Net Savings Forecast					
98,411,344					
	2011	2012	2013	2014	Total
2011 Programs	13.1%	13.0%	13.0%	12.8%	51.8%
2012 Programs		6.7%	6.6%	6.5%	19.8%
2013 Programs			9.5%	9.5%	18.9%
2014 Programs				9.5%	9.5%
	13.1%	19.7%	29.0%	38.2%	100.0%
kWh					
2011 Programs	12,882,629	12,777,283	12,766,733	12,588,174	51,014,819
2012 Programs		6,561,443	6,500,000	6,400,000	19,461,443
2013 Programs			9,311,694	9,311,694	18,623,388
2014 Programs				9,311,694	9,311,694
	12,882,629	19,338,726	28,578,427	37,611,562	98,411,344

Table 3-17: 2014 Expected Savings for LRAM Variance Account

	Residential	GS<50	GS>50	Large User	Street Lighting	USL	Total
kWh	6,761,785	6,625,742	24,224,036				37,611,562
kW where applicable			63,265				63,265

Table 3-18: Alignment of Non-normal to Weather Normal Forecast for Energy

Year	Residential	GS<50	GS>50	Large User	Street Lighting	USL	Total
Non-normalized Weather Billed Energy Forecast (GWh)							
2013 Non-Normalized Bridge	649.9	242.9	853.8	66.0	15.9	3.6	1,832.2
2014 Non-Normalized Test	655.4	244.9	856.9	31.8	16.1	3.4	1,808.5
Weather Adjustment (GWh)							
2013	(7.7)	(2.9)	(7.9)	0.0	0.0	0.0	(18.5)
2014	(4.5)	(1.7)	(4.6)	0.0	0.0	0.0	(10.8)
CDM Adjustment (GWh)							
2013	(1.4)	(1.4)	(5.1)	0.0	0.0	0.0	(7.9)
2014	(3.1)	(3.0)	(11.1)	0.0	0.0	0.0	(17.2)
Weather Normalized Billed Energy Forecast (GWh)							
2013 Normalized Bridge	640.8	238.7	840.9	66.0	15.9	3.6	1,805.8
2014 Normalized Test	647.8	240.2	841.2	31.8	16.1	3.4	1,780.6

Table 3-19: Historical Annual kW per Applicable Rate Class for Energy

Year	GS>50	Large User	Street Lighting	Total
Billed Annual kW				
2000	1,702,404	339,080	39,194	2,080,678
2001	2,097,765	423,831	39,703	2,561,299
2002	2,249,449	475,022	36,995	2,761,466
2003	2,243,396	474,685	41,407	2,759,488
2004	2,273,819	460,426	41,732	2,775,977
2005	2,343,889	445,748	42,148	2,831,785
2006	2,306,337	381,847	42,692	2,730,876
2007	2,286,676	330,481	43,371	2,660,528
2008	2,227,288	329,862	45,893	2,603,043
2009	2,169,096	171,311	44,226	2,384,633
2010	2,260,312	95,621	44,895	2,400,828
2011	2,244,883	105,771	44,252	2,394,906
2012	2,227,931	136,790	44,229	2,408,950

Table 3-20: Historical kW/kWh Ratio per Applicable Rate Class for Energy			
Year	GS>50	Large User	Street Lighting
Ratio of kW to kWh			
2000	0.2022%	0.1803%	0.2861%
2001	0.2376%	0.1850%	0.2861%
2002	0.2604%	0.1846%	0.2962%
2003	0.2602%	0.1876%	0.2793%
2004	0.2579%	0.1961%	0.2779%
2005	0.2551%	0.1921%	0.2792%
2006	0.2681%	0.2098%	0.2792%
2007	0.2638%	0.2096%	0.2791%
2008	0.2658%	0.2245%	0.2616%
2009	0.2642%	0.2146%	0.2778%
2010	0.2578%	0.2054%	0.2800%
2011	0.2577%	0.1888%	0.2791%
2012	0.2619%	0.1972%	0.2774%
Average 2000 to 2012	0.2548%	0.1981%	0.2799%

Table 3-21: kW Forecast by Applicable Rate Class for Energy				
Year	GS>50	Large User	Street Lighting	Total
Predicted Billed kW				
2013 Normalized Bridge	2,209,320	130,796	44,502	2,384,618
2014 Normalized Test	2,225,927	63,002	45,145	2,334,074

Table 3-22: Summary of Forecast for Energy

	2010 Board Approved	2010 Actual	2011 Actual	2012 Actual	2013 Weather Normalized Bridge	2014 Weather Normalized Test
ACTUAL AND PREDICTED KWH PURCHASES						
Actual kWh Purchases		1,892,633,519	1,895,197,233	1,885,738,118		
Predicted kWh Purchases		1,880,819,177	1,887,427,044	1,866,597,054	1,876,306,519	1,860,832,178
% Difference of actual and predicted purchases		(0.6%)	(0.4%)	(1.0%)		
BILLING DETERMINANTS BY CLASS						
Residential						
Customers	78,139	77,506	78,761	79,997	81,277	82,577
kWh	650,038,341	650,651,967	647,280,211	644,467,300	640,773,193	647,771,772
GS<50						
Customers	7,484	7,448	7,538	7,645	7,737	7,830
kWh	235,461,608	236,095,929	240,155,523	240,981,970	238,668,992	240,204,686
GS>50						
Customers	1,003	989	975	952	948	945
kWh	884,051,506	876,884,814	871,254,048	850,788,483	840,854,748	841,248,453
kW	2,231,346	2,260,312	2,244,883	2,227,931	2,209,320	2,225,927
Large User						
Customers	2	1	2	2	2	1
kWh	71,682,604	46,563,626	56,015,269	69,356,376	66,016,829	31,798,990
kW	140,928	95,621	105,771	136,790	130,796	63,002
Street Lighting						
Connections	1,585	1,574	1,568	1,573	1,569	1,592
kWh	16,689,726	16,035,117	15,857,518	15,943,501	15,898,680	16,128,465
kW	46,815	44,895	44,252	44,229	44,502	45,145
USL						
Connections	820	811	841	869	879	890
kWh	3,287,380	3,269,039	3,318,783	3,696,460	3,612,242	3,417,188
Sub-Total of Above						
Customer/Connections	89,033	88,329	89,685	91,039	92,413	93,835
kWh	1,861,211,165	1,829,500,492	1,833,881,352	1,825,234,090	1,805,824,684	1,780,569,555
kW from applicable classes	2,419,089	2,400,828	2,394,906	2,408,950	2,384,618	2,334,074
Embedded Distributor	1	1	1	1	1	1
kWh	21,955,688	24,190,281	21,309,995	17,590,424	20,328,822	20,328,822
kW	49,063	53,144	49,139	37,867	44,674	44,674
Total incl Embedded Distributor						
Customer/Connections	89,034	88,330	89,686	91,040	92,414	93,836
kWh	1,883,166,853	1,853,690,773	1,855,191,347	1,842,824,514	1,826,153,507	1,800,898,377
kW from applicable classes	2,468,152	2,453,972	2,444,045	2,446,817	2,429,292	2,378,748