

March 5, 2012

Ms. Kirsten Walli Board Secretary Ontario Energy Board P.O. Box 2319 27th Floor 2300 Yonge Street Toronto, ON M4P 1E4

Dear Ms Walli:

Re: Welland Hydro-Electric System Corp.

EB-2011-0415

Application to the Ontario Energy Board for 2012 Smart

Meter Cost Recovery effective May 1, 2012

Please find enclosed two copies of Welland Hydro's response to Board Staff interrogatories in the above Smart Meter Cost Recovery application in addition to an electronic version.

Yours very truly,

Wayne Armstrong

Director of Finance

Tel: (905)732-1381 Ext 234

Fax: (905) 732-0123

warmstrong@wellandhydro.com

Welland Hydro-Electric Systems Corp. 2012 Smart Meter Cost Recovery EB-2011-0415

Response - Board Staff Interrogatories

General

1. Letters of Comment

Following publication of the Notice of Application, the Board has, to date, received no letters of comment. Please confirm whether Welland Hydro-Electric Systems Corp. ("Welland") has received any letters of comment. If so, please file a copy of any letters of comment. For each, please confirm whether a reply was sent from Welland to the author of the letter. If confirmed, please file that reply with the Board. Please ensure that the author's contact information except for the name is redacted. If not confirmed, please explain why a response was not sent and confirm if Welland intends to respond.

Response:

Welland can confirm that it has not received any Letters of Comment for this rate application.

Stranded Meters

2. Ref: Application, page 7

In its Application, Welland proposes that the recovery of stranded conventional meters be dealt with in its next cost of service application, currently scheduled for 2013 rates. Until then, the NBV of the stranded meters remains in rate base and the annualized costs are recovered in its normal distribution rates.

Welland documents that the NBV of stranded conventional meters as of December 31, 2010 was \$639,926, including net salvage proceeds of \$3,564. Welland documents the 2011 depreciation expense for these meters as \$80.453, for a December 31, 2011 NBV of \$559,473.

a) Please provide Welland's estimate of the depreciation expense related to these stranded meters for 2012 and the estimated NBV for the stranded conventional meters as of December 31, 2012.

Response:

Welland can confirm with the Board that the Net Book Value of Stranded Meters is \$559,473 as at December 31, 2011. However, this amount excludes the salvage proceeds of (\$3,564). The combined Net Book Value of Stranded Meters including salvage proceeds is \$555,909 as at December 31, 2011. The 2012 Depreciation expense will be \$75,669. As a result the Net Book Value of Stranded Meters as at December 31, 2012 will be \$483,804 excluding salvage proceeds and \$480,240 including salvage proceeds.

b) Please provide the estimated NBV of stranded conventional meters as of December 31, 2012, disaggregated by Residential and GS < 50 kW customer classes.

Response:

| Residential | \$441,084 | 91.8% |
|-------------|-----------|--------|
| GS<50 | \$ 39,156 | 8.2% |
| Total | \$480,240 | 100.0% |

The above split between classes differs significantly from the percentages contained in the 2006 Cost Allocation CWMC (Account 1860) as detailed in Appendix I of the original application. Welland believes that this evidence rules out using the 2006 Cost Allocation for calculating either of the two rate riders requested in this application.

Conversion to Monthly Billing

3. Application, page 10

On page 10 of its Application, Welland states that it was required to switch to monthly billing, from bi-monthly billing, for residential customers. It documents \$60,079 as increased expenses for increased invoices, envelopes, toner and delivery (i.e. postage) costs from this switch, plus an increase in staffing with an expense amount of \$60,921. Offsetting this, Welland states that manual meter reading costs will decrease by \$84,039 for 2012 compared to 2010. Welland thus states an increase in internal costs of \$36,961 for 2012.

a) Please provide Welland's views as to whether the change to monthly billing will result in a decrease in bad debt expense. If possible, please provide an estimate of bad debt expense for 2012 under monthly billing for all customer classes.

Response:

The following table provides a history of bad debt expense approved in 2009 Rates and actual bad debt expense from 2009 to 2011.

| 2009 Approved Rate Application | \$59,650 |
|--------------------------------|----------|
| 2009 Actual | \$66,509 |
| 2010 Actual | \$87,806 |
| 2011 Actual | \$96,439 |

Welland Hydro would agree with Board Staff that in theory the switch to monthly billing should have some impact on bad expense. However, any amount would be difficult to determine given the fact that the actual bad debts continue to increase. There are many factors which contribute to the amount of bad debts. The most obvious is the significant increase in electricity and transmission rates since 2009 which continue to comprise approximately 80% of residential monthly invoice amounts. The next would be the economic situation in the City of Welland. At the time of the 2009 Cost of Service Rate Application. Welland advised the Board of the shutdown of a Large Use Customer and the loss of approximately 600 direct jobs. In addition, during the 2009 Cost of Service Application Welland indicated that another large industrial customer was downsizing in 2009. In 2011, this downsizing turned into a complete shutdown and the loss of another 320 direct jobs. These two closures would also impact other businesses within the city and result in the loss of indirect jobs. In the past year, a large financial institution has also relocated their head office from Welland to another location within the province.

The effects of the recent changes to the LEAP Program may also have an impact on bad debt expense. Welland can confirm for the Board that the bad debt expenses listed above may be higher if not for annual payments of approximately \$12,000 made to social assistance agencies as required by the LEAP program. As these directives were introduced during an IRM period for Welland these amounts are not included in current rates. Under the LEAP Program, low income customers no longer have to pay deposits. Welland Hydro has met with two social assistance agencies within the city and social and disability workers to ensure they are aware of the new guidelines.

As a result, Welland is unable to provide an estimate to the Board of any reductions in bad debt expense due to the change to monthly billing.

b) Converting from bi-monthly billing to monthly billing significantly reduces the service lag (the mid-point of the service delivery period until meter reading from over 30 days to just over 15 days).

 Please provide Welland's views as to the impacts on its cash working capital requirements for 2012 based on converting to monthly billing for residential customers.

Response:

The 2009 Cost of Service Rate application includes a 15% working capital component as part of the rate base. No lead lag study was performed at that time. Welland can confirm for the Board that the switch to monthly billing has had a one time positive impact on cash flow in 2011. The following are 2010 and 2011 year end balances for Accounts Receivable and Unbilled Revenue.

| | <u>2010</u> | <u>2011</u> |
|------------------------|----------------------------|----------------------------|
| Accounts Receivable | \$2,841,908 \$5,470,703 | \$2,718,926 \$4,437,336 |
| Unbilled Revenue Total | \$5,479,702 \$8,321,610 | \$7,156,262 |

The total improvement year over year is \$1,165,348. However, the reduction in receivables due to OCBEA in 2011 compared to 2010 would also result in a reduction in accounts payable (IESO Invoice) of approximately \$285,000 for a net cash flow improvement year over year of \$880,348. Without an extensive analysis Welland is unable to provide the Board what effect this one time balance sheet improvement would have on the working capital percentage included in rate base. In addition, there have been two major changes which result in negative impacts to working capital since the 2009 Rate Application. The first being the introduction of the HST in 2010 and the second is Welland's largest customer is no longer subject to weekly payments as a result of seven years of good payment history. This account is billed on average in excess of \$500,000 per month.

ii. Is Welland conducting or planning on conducting a lead-lag study for its next cost of service application to take into account the impacts of converting to monthly billing?

Response:

Welland is in the preliminary planning stages for its 2013 COS Application and a final decision on performing a lead lag study is being reviewed.

iii. If the answer to ii. is no, please explain how Welland intends to account for the impact of the conversion to monthly billing on its cash working capital requirements in its next cost of service application.

Response:

Welland believes that the costs of such a study (borne by the rate payer) must be weighed against the benefits. One alternative to the additional expense is to review decisions where such studies have been performed in order to extrapolate an average working capital percentage which may be acceptable to the Board.

4. Ref: Application, page 10

On page 10 of its application, Welland states:

General Service meters will be read manually until the end of 2011. In 2012, all meter readings will be obtained thru the AMI/ODS at no additional costs. This will result in decreased meter reading costs of (\$84,039) in 2012 compared to 2010.

a) By General Service, is Welland referring solely to GS < 50 kW customers for which smart meters have been installed, or does it include GS > 50 kW customers?

Response:

Welland was referring to GS<50 kW customers only. The 2010 meter reading costs were \$91,239 of which \$88,839 were related to manual meter reads. The reduction associated with the reading of Residential and GS<50 customers of \$84,039 leaves \$4,800 (\$400/mth as per Appendix D of the original application) to read approximately 130 non interval GS>50 accounts. The actual bill for January 2012 was \$1,400 but this amount is expected to decrease over time.

b) If meter reading through the AMI/ODS is for classes other than Residential and GS < 50 kW, please indicate whether any capital or operating costs have been allocated to these other classes. Please provide explanations and calculations, as necessary.

Response:

Welland is not currently using the AMI/ODS for the GS>50 class. Meters in this customer class will be replaced over the next 18 to 24 months.

c) If, in the response to b), Welland indicates that it has incurred costs for interval meters in the GS > 50 kW customer classes to interface with the AMI/ODS, please explain how Welland has recovered or is proposing to recover these costs.

Response:

Not applicable at this time.

Smart Meter Model

5. Ref: Smart Meter Model – Interest on OM&A and Depreciation Expenses

In its Smart Meter model, on Sheet 8, Welland has input the prescribed interest rate of 1.47% for all months in 2012. This has resulted in a calculation of the interest on SMFA revenues to December 31, 2012. However, Welland's proposal is for the SMDR and SMIRR to be effective May 1, 2012.

Board staff has revised the model inputs so that interest on SMFA revenues is calculated only to April 30, 2012. The revised model is provided as an attachment.

Please provide Welland's views as to whether this is a more accurate calculation of the deferred net incremental revenue requirement to be recovered through the SMDR with respect to installed smart meters.

Response:

Welland agrees with Board Staff that the change in the model is appropriate.

6. Ref: Smart Meter Model – Interest on OM&A and Depreciation Expenses

In the Smart Meter Model Version 2.17 filed by Welland, the utility has relied upon sheet 8B to calculate the interest on OM&A and depreciation/amortization expenses. Sheet 8B calculates the interest based on the average annual balance of deferred OM&A and depreciation/amortization expenses based on the annual amounts input elsewhere in the model.

The more accurate and preferred method for calculating the interest on OM&A and depreciation/amortization expense is to input the monthly amounts from the sub-account details of Account 1556, using sheet 8A of the model. This approach is analogous to the calculation of interest on SMFA revenues on sheet 8 of the model.

a) Please re-file the smart meter model using the monthly OM&A and depreciation/amortization expense data from Account 1556 records. Welland should also take into account any revisions necessary, such as in its response to the preceding interrogatory.

Response:

See Appendix A

In addition to the above changes resulting from interrogatories 5 & 6 the model has been updated to include 2011 Full Year Audited Actual results. The previous model was based on 2011 YTD October Actual plus forecasted amounts for November and December 2011. Both Capital and OM&A costs for 2011 were reduced slightly as follows:

| | Original <u>Filing</u> | Revised <u>Filing</u> |
|---------|---------------------------|-----------------------|
| Capital | \$549,629 | \$545,857 |
| OM&A | \$159,268 | \$144,307 |

The OM&A expenses are lower than forecast because Welland Hydro only charged smart meters with increased incremental costs of \$4,154 (added billing personnel only) versus \$24,443 in the original application. Welland maintains that the correct incremental cost due to smart meters for 2011 is a minimum of \$24,443 as presented in Appendix D of the original application. Welland made a decision not to make the adjusting entries for the other incremental expenses in 2011. Welland Hydro made no changes to the 2012 OM&A forecast.

The change in the capital additions is the net of two items. A metro (smaller TGB) was installed to improve the communication of smart meters within the network. Under the terms of the contract with the system provider, Welland was only responsible for the installation costs and Sensus was responsible for all hardware costs. This was offset by the delay in the implementation of the Web Presentment Software until March, 2012. The capital costs for this software will be included in Welland's regular capital plan as no additional capital or expenses will be charged to smart meters in 2012.

The model was also updated to provide the actual smart meter revenue collected as of December 31, 2011. In addition, customer counts were increased marginally resulting in increased forecasted revenue from January to April 2012. The increase in customer count also has a favourable impact on the calculation of rate riders.

b) If this is not possible, please explain.

7. Ref: Smart Meter Model – Taxes/PILs Rates

Welland has overridden the maximum taxes/PILs rates input on sheet 3, row 40, for the years 2009, 2010, 2011 and 2012 and beyond. These are summarized in the following table:

| Year | 2009 | 2010 | 2011 | 2012 and beyond |
|----------------------------------|--------|--------|--------|-----------------|
| Aggregate Federal and provincial | 29.02% | 27.50% | 24.24% | 22.72% |
| income tax rate | | | | |

Please confirm that these are the tax rates corresponding to the taxes or PILs actually paid by Welland in each of the historical years, and that Welland forecasts it will pay for 2012. In the alternative, please explain the tax rates input and their derivation.

Response:

The above percentages represent the tax rates approved in rate applications for each year. The amount of 29.02% was the amount approved in the 2009 Cost of Service Application which is below the maximum and above the minimum rate at that time. Since then, adjustments have been made in each IRM period. Exhibit B attached is from the 2012 IRM Rate Application EB-2011-0202 which shows the starting point in 2009 and the rates for 2012. Welland believes that these are the appropriate tax rates to use. Actual tax rates and amounts paid in any year are subject to timing differences do to the inclusion of regulatory items in taxable income.

Cost Allocation

8. Ref: Manager's Summary, pages 12-14 - Cost Allocation

Welland states that it is proposing a uniform SMDR of (\$0.24) per month and a uniform SMIRR of \$2.34 per month, both applicable to Residential and GS < 50 kW customers. Under cost allocation, Welland has calculated class-specific SMDRs and SMIRRs, based on using the weights from the 2006 Informational Filing and also using costs for meters installed for each of the Residential and GS < 50 kW classes.

Welland also documents that, due largely to increased costs for certain factors, the average cost for a Residential smart meter installation has been about \$127.77 versus \$267.88 for an average GS <50 kW smart meter.

Given the evidence that the average installed cost for a smart meter for a GS < 50 kW customer is more than double that for a Residential customer, please provide Welland's reasons for why it considers that a uniform SMDR and a uniform SMIRR is preferable to one that reflects differences in the average costs. For this response, please consider the cost allocation methodology to be the one proposed by Welland based on the average smart meter costs (i.e., as shown in Appendix H for the class-specific SMDR and in Appendix F Part A for the class-specific SMIRR).

Response:

The main concern for Welland is the age of its existing Cost Allocation model (2006) and the unknown changes on revenue to costs ratios which will result from the new model to be filed with the 2013 COS Application. Welland was taking a conservative view and recommending a uniform charge until the 2013 Cost Allocation Model is completed.

However, the new guideline issued in December states "where practical and where the data is available, class-specific SMDRs should be calculated based on full cost causality." As a result, Welland believes that it has provided the appropriate split by customer class with the methodology used in Appendix F Part A and Appendix H in the original application. Both these exhibits have been revised (see interrogatory #9) for the changes outlined above and the response to VECC interrogatory 1A.

Welland could not support a split based on the 2006 Cost Allocation model as detailed in Appendix F Part B and Appendix I of the original application. The actual amount of stranded meters by customer class in response to 2b) provides further evidence for this position.

9. Ref: Manager's Summary, pages 12-14, Appendices F and H – Cost Allocation

a) If Welland has made revisions to its Smart Meter Model, Version 2.17 as a result of its responses to interrogatories, please update also Appendix H with respect to class-specific SMDRs.

Response:

See Appendix C attached.

The basis of Appendix H in the original application is to ensure capital costs by customer class match those detailed in Appendix G of the original application. As a result of the minor changes to actual capital and expenses Welland has provided a revised version of the original Appendix G in Appendix E attached.

In the original application Welland did not do a smart meter model by customer class to calculate the amounts in Appendix H but used percentages of meters installed by year. Although the total capital by customer class is correct, Welland believes that this method is not as accurate as performing a smart meter model by customer class as certain costs have been calculated as an average of total meters installed over three years(cannot use a percentage of meters in any one year). As a result, Welland has now calculated Appendix C (revised Appendix H) based on the models by Customer Class as requested by VECC in Interrogatory 1a). The addition of the two models (copies attached to VECC interrogatories) sum to the totals in the uniform model in Appendix A and cost by customer class Appendix E.

b) Similarly, please update Appendix F Part A with respect to the calculation of class-specific SMIRRs.

Response:

See Appendix D

As with Appendix C this Appendix has been based on the models by customer class.

Other Issues

10. Ref: Application, page 1

Welland notes that the bulk of its smart meters were deployed by October 31, 2011, with complete deployment by December 31, 2011. Welland is also scheduled to implement TOU billing effective February 2012.

a) Please confirm whether Welland has implemented TOU billing effective February 2012. In the alternative, please advice of the changed schedule and the reasons for the revision.

Response:

Welland can confirm for the Board that out of the 21,592 RPP-eligible consumers as of December 31, 2011 a total of 20,947 (97%) were changed to TOU billing effective with February, 2012 meter reads (January/February usage). For the most part, the remaining 645 customers with smart meters had actual interval read percentages which would require extensive interval estimating by the MDMR or ODS. As a result, Welland made a decision to continue to bill these customers RPP until interval read percentages were comparable to other meters. As detailed below, Welland believes that the majority of issues with the system have been resolved in February and a large percentage of these accounts will be transferred to TOU in March, 2012.

b) Please provide a synopsis of technological and operational challenges and issues (e.g., intermittent or persistent read failures, incidence of "buddy" meters to solve unreadable meters, additional or relocated collectors, manual adjustment of meter read data, etc.) that Welland and its service provider encountered in Welland's smart meter deployment and operationalization. Please also summarize the resolution of these issues.

Response:

Welland Hydro's mass deployment of smart meters took place in 2009/2010. Following deployment, there were a significant number of meters not communicating with the TGB tower which is the systems main collector. First generation tools provided by the vendor were used to attempt to get the meters communicating. If unsuccessful, the meter would be replaced. After changing several hundred meters, the vendor came out with a more

advanced tool for meter signal strength analysis. Although the tool provided more detailed analysis, the final result was typically replacement of the meter. As a result, approximately 450 additional meters were changed. At that point, Welland was advised by Sensus to halt all meter replacements until the vendor made all attempts to improve the system performance through tuning techniques.

The tuning of the system required Welland Hydro technicians being dispatched to sites to perform in field analysis as the adjustments made occasionally had negative effects on other nearby meters. The vendor also trained Welland Hydro staff to field evaluate meter radio communication modes. These technicians would analyze the communication mode of the non transmitting meter, the modes of nearby meters and the geographical and physical location of the meter. The data would be used to select the appropriate communication mode of the trouble meter and the surrounding meters. A laptop would then be used to reset the communication mode in all affected meters and the vendor would be advised to not include these meters in future network tuning.

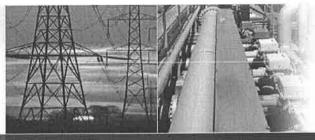
Network issues have consumed the time of one third of Welland's meter department staff (equivalent to one full time staff) for all of 2011. The amount of time spent performing these tasks have decreased slightly in 2012. Having said this, the network is still experiencing below acceptable performance due to noise interference created outside sources. Senus continues to perform noise mitigation and in some cases, has to involve Industry Canada to force interfering noise sources off line. Although the remaining system issues are expected to be resolved shortly there is still an ongoing risk that new noise sources will arise, causing further performance issues on the system.

c) Please provide Welland's assessment as to whether operational issues are resolved or resolvable so that all applicable Residential and GS < 50 kW customers can successfully move to TOU billing for February 2012. In the alternative, please explain.

Response:

As indicated in the response to 10a above Welland has already converted 97% of RPP-eligible consumers to TOU billing effective February, 2012. This number is expected to increase significantly for March, 2012 as a result of improvements made to the system from December, 2011 to February, 2012. Welland fully expects that the management of the communication system will continue on an ongoing basis and both Welland Hydro and Sensus are committed to monitor and install additional communication hardware if required.





Ontario Energy Board
Smart Meter Model

Choose Your Utility:
Welland Hydro-Electric System Corp.
Wellington North Power Inc.

Application Contact Information

Name:

Wayne Armstrong

Title:

Director of Finance

Phone Number:

905-732-1381 Ext 234

Email Address:

warmstrong@wellandhydro.com

We are applying for rates effective:

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May 1, 2012

Last COS Re-based Year

2009

Legend

DROP-DOWN MENU

INPUT FIELD

CALCULATION FIELD

Copyright

This Workbook Model is protected by copyright and is being made available to you solely for the purpose of filing your application. You may use and copy this model for that purpose, and provide a copy of this model to any person that is advising or assisting you in that regard. Except as indicated above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the express written consent of the Ontario Energy Board is prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing the application or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.

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 results. The use of any models and spreadsheets does not automatically imply Board approval. The onus is on the distributor to prepare, document and support its application. Board-issued Excel models and spreadsheets are offered to assist parties in providing the necessary information so as to facilitate an expeditious review of an application. The onus remains on the applicant to ensure the accuracy of the data and the results.



變 Ontario Energy Board Smart Meter Model

Welland Hydro-Electric System Corp.

Distributors must enter all incremental costs related to their smart meter program and all revenues recovered to date in the applicable tabs except for those costs (and associated revenues) for which the Board has approved on a final basis, i.e. capital costs have been included in rate base and OM&A costs in revenue requirement.

For 2012, distributors that have completed their deployments by the end of 2011 are not expected to enter any capital costs. However, for OM&A, regardless of whether a distributor has deployments in 2012, distributors should enter the forecasted OM&A for 2012 for all smart meters in service.

| | | 2006 | 2007 | 2008 | 2003 | 2010 | 2011 | 2012 and later | Total | |
|--|---------------------------------------|------------------------|-----------------------|----------------|--------------------|--------------------|-----------------|-----------------------------|--------------|--|
| Smart Meter Capital Cost and Operational Expense Data | | Audited Actual | Audited Actual | Audited Actual | Audited Actual | Audiod Actual | Andlied Actual | Forecast | | |
| Smart Meter Installation Plan | | | | | | | | | | |
| Actual/Planned number of Smart Meters installed during the Calendar Year | | | | | | | | | | |
| Residential | | | The second second | | 19,409 | 302 | 482 | | 20193 | |
| General Service < 50 kW | | | | | 819 | 153 | 791 | | 1763 | |
| Actual/Planned number of Smart Meters installed (Residential and GS < 50 kW only) | | o | O | 0 | 20228 | 455 | 1273 | 0 | 21956 | |
| Percentage of Residential and GS < 50 kW Smart Meter Installations Completed | | 9600'0 | 0.00% | %00"0 | 92 13% | 94 20% | 100.00% | 9600:0 | 100.00% | |
| Actual/Planned number of GS > 50 kW meters installed | | | | | | | | | 0 | |
| Other (please identify) | | | | | | | V 4 P Company | Albanon I a ser a Talan I a | 0 | |
| Total Number of Smart Meters installed or planned to be installed | | 0 | 0 | 0 | 20228 | 455 | 1273 | 0 | 21956 | |
| 1 Capital Costs | Acres Tomas | | | | | | | | | |
| 1.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD) | Asset type must be selected to enable | S. Carlotte C. Barbara | Section of Assistance | Section 1 | Bridgen Commission | Section of Section | Andited Actival | perorot | | |
| 1.1.1 Smart Meters (may include new meters and modules, etc.) | Smart Meter | Audited Address | Author Action | Domina Dennes | 1,848,756 | 41,519 | 476.283 | | \$ 2,368,568 | |
| 1.1.2 Installation Costs (may include socket lets, labour, vehicle, benefits, etc.) | Smart Weter | | | | 323,858 | 12,953 | 22,594 | | \$ 359,405 | |
| 1,1.3a Workforce Automation Hardware (may include fieldwork handheids, barcode hardware, etc.) | Computer Hardware | | | | 27.297 | 0 | 14,440 | | \$ 41,737 | |
| 1.1.3b Workforce Automation Software (may include fieldwork handheids, barcode hardware, etc.) | Computer Software | | | | 4,560 | 0 | 15,800 | | \$ 20,360 | |
| Total Advanced Metering Communications Devices (AMCD) | | 50 | \$ | 400 | \$ 2,204,481 | \$ 54,472 | \$ 531,117 | 47 | \$ 2,790,070 | |
| 12 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN) | Asset Type | Andled Artist | Audied Actua | Audited Actual | Audied Actual | Audied Actual | Audited Actual | Forecast | | |
| 1.2.1 Collectors | Tooks & Equipment | | | | 198,069 | 0 | 7,684 | | \$ 205,753 | |
| 1.2.2 Repeaters (may include radio licence, etc.) | | | | | 0 | 0 | 0 | | 40 | |
| 1.2.3 Installation (may include meter seals and rings, collector computer hardware, etc.) | Other Equipment | | | | 2,130 | o | 0 | | \$ 2,130 | |
| Total Advanced Metering Regional Collector (AMRC) (Includes LAN) | | | \$ | vs | \$ 200,199 | \$ | \$ 7,684 | 69 | \$ 207,883 | |
| | | | | | | | | | | |

| Appendix A Page 3 | SIC - 45 - 45 - 4 | | | 4,702 | 7,500 | 22.709 | 1 | 3,032,864 | | 4 | | 3,032,864 |
|----------------------|--|--|--|-------------|---|--------|--|---|--|--|--|--|
| | 19 10 19 19 | 49 49 | | ** | 69 69 | 60 M | , | 69 | 69 | 69 | 49 | 69 |
| | 77 00 10 10 10 10 10 10 10 10 10 10 10 10 | Forecast | Forecast | | | | and | 9 69 | Forecast | Years of the state | The second control of | 8 8 |
| | Audied Actual | Audited Actual | Audited Actual | 0 | D | 8,056 | Commence of the commence of th | \$ 544,857 | Audited Actual | | Monthly company and the same shows t | \$ 544,857 |
| | Audited Actual | Audited Actual | Audited Actual | 98 | 7,500 | 16 643 | The second of th | \$ 24,213 | Audred Actual | | | \$ 78,685 |
| | Audited Archael | Audited Actual | Audited Actual | 4,642 | 0 | c | www.www.www.erenco.com | \$ 4,642 | Audited Actual | | | \$ 2,409,322 |
| | Audited Actual | Audited Actual | Audited Actual | | | | A way of the contract of the c | w w | Audited Actual | | | [49] [49] |
| | Audited Actual | Audited Actual | Audited Actual | | E 6 | | | w w | Audited Actual | | | w w |
| | Audited Actual | Audited Actual | Audited Actual | | | | | w w | Audited Actual | | | |
| | Asset Type | Asset Type | Asset Type | Smart Meter | Computer Software | | Smart Meter | | Asset Type Computer Sottware | Applications Software | Computer Hardware | |
| | 1.3 ADVANCED METERING CONTROL COMPUTER (AMCC) 1.3.1 Computer Hardware 1.3.2 Computer Software 1.3.3 Computer Software Licences & Installation (includes hardware and software) (insy includes ASA400 data speer, sheekup and recovery computer, UPS, etc.) Total Advanced Metering Control Computer (AMCC) | 1.4 WIDE AREA NETWORK (WAN) 14.1 Activation Fees Total Wide Area Network (WAN) | 1.5 OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY | | 15.2 AM Interface to CIS 15.3 Professional Fees | | | Total Other AMI Capital Costs Related to Minimum Functionality Total Capital Costs Related to Minimum Functionality | Asset Type 1.6 CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY (Phase provide a descriptive lists and identity nature of beyond minimum functionality costs) 1.6.1. Costs related to the chinical capabilities in the smart meters or related communications infrastructure. Computer Software that exceed those specified in O Rea 455106 | 1.6.2. Costs for deployment of smart meters to customers other than residential and small general service | 16.3 Coass for TOU rate implementation, CIS system upgrades, web presentation, integration with the MDMF, etc. | Total Capital Costs Beyond Minimum Functionality Total Smart Meter Capital Costs |

| 2.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD) |
|--|
| 2,1.1 Maintenance (may include meter reverification coots, etc.) |
| 2,1.2 Other (please specify) |
| Total Incremental AMCD OM&A Costs |
| 2,2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN) |
| 2.2.1 Maintenance |
| 2.2.2 Other (please specify) |
| Total Incremental AMRC OM&A Costs |
| 2,3 ADVANCED METERING CONTROL COMPUTER (AMCC) |
| 2.3.1 Hardware Maintenance (may include server support, etc.) |
| 2,3,2 Software Maintenance (may include maintenance support, etc.) |
| 2.3.2 Other (please specify) |
| Total Incremental AMCC OM&A Costs |
| 2.4 WIDE AREA NETWORK (WAN) |
| 2.4.1 WAN Maintenance |
| 2.4.2 Other (please specify) |
| Total Incremental AMRC OM&A Costs |
| 2.5 OTHER AMI OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY |
| 2.5.1 Business Process Redesign |
| 2.5.2 Customer Communication (may include project communication, etc.) |
| 2.5.3 Program Management |
| 2.5.4 Change Management (may include training, etc.) |
| 2.5.5 Administration Costs |
| 2.5.6 Other AMI Expenses (pees a specify) Total Other AMI OM&A Costs Related to Minimum Functionality |
| TOTAL OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY |
| 2.6 OM&A COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY (Please provide a searchibre after and identify nature of beyond minimum functionally costs) |
| 2.6.1 Costs related to technical capabilities in the smart meters or related communications infrastructure that exceed those specified in O.Reg 425/06 |
| 2.6.2 Costs for deployment of smart meters to customers other than residential and small general service |
| 2.6.3 Costs for TOU rate implementation, CIS system upgrades, web presentation, integration with the MDMR, etc. |

Total OM&A Costs Beyond Minimum Functionality

Total Smart Meter OM&A Costs

| | 2,011 | 2,011 | | 133,966 | 10. ((*) | 41,115 | 88,186 | 17,534 | 78,027 | 372,879 | 508,856 | · | 1 | 508,856 |
|----------------|-------|---|--------------------------|-------------|----------|--------|--------|--------|--------|------------|------------------------------|----|--|------------|
| | 49 | ss ss | w w w | us us us us | s so so | 49 | 69 69 | v | 69 69 | so. | 69 | 69 | 69 | φ φ φ |
| Forecast | 0 | | Constitution of transfer | 45.864 | 49 | 36,961 | 6,000 | 0 | 37,782 | \$ 129,891 | \$ 176,775 | | **** *** ***************************** | \$ 176,775 |
| Audited Actual | 0 | Section formation in section of the | w | 31,222 | (A) | 4,154 | 51,516 | 0 | 32,331 | \$ 116,085 | \$ 147,307 Audited Actual | | | 5 147,307 |
| Audited Actual | 07 | \$ 40 | 69 | 47,476 | 49 | 0 | 0 | 926 | 14,427 | \$ 16,075 | \$ 63,591 Audited Actual | | | \$ 63,591 |
| Audited Actual | 1,971 | \$ 1,971 | | 8,384 | \$ | 0 | 30,670 | 15,746 | 38,612 | \$ 85,028 | \$ 95,383 Audited Actual | | | \$ 95,383 |
| Audited Actual | | 69 | | · . | 92 | 0 | 0 0 | 812 | 10,918 | \$ 11,730 | \$ 11,730 Audited Actual | | | 5 |
| Audited Actual | | 69 | w | • | (5) | 0 | 0 0 | 0 | 14,070 | \$ 14,070 | \$ 14,070 Audited Actual | | | \$ 14,070 |
| Audited Actual | | 69 | | | · . | 0 | 0 | 0 | 0 | 69 | \$ Audited Actual | | | w w |

3 Aggregate Smart Meter Costs by Category

| Capital | Smart Meter | Computer Hardware | Computer Software | Tools & Equipment | Other Equipment | Applications Software | Total Capital Costs | OM&A Costs | Total OM&A Costs |
|---------|-------------|-------------------|-------------------|-------------------|-----------------|-----------------------|---------------------|------------|------------------|
| 3.1 | 3.1.1 | 3.12 | 3.1.3 | 3.1.4 | 3.1.5 | 3.1.6 | 3.1.7 | 3.2 | 32.1 |

| 2,755,384 | 41,737 | 27,860 | 205,753 | 2,130 | 90 | 3,032,864 | 958,805 |
|-----------|--------|--------|---------|-------|----|-----------|-----------|
| 69 | 69 | 49 | 69 | 49 | 69 | • | • |
| | (GI) | 10 | ĬII | 27 | 47 | | 176,775 |
| 49 | 49 | • | 69 | 49 | 49 | •• | \$ |
| 506,933 | 14,440 | 15,800 | 7,684 | *1 | * | 544,857 | 147,307 |
| 47 | 19 | 69 | 49 | 69 | 49 | 44 | S |
| 71,185 | (16) | 7,500 | 30 | 30 | × | 78,685 | 63,591 |
| * | 10 | 10 | : w | 10 | 4 | \$ | 44 |
| 2,177,266 | 72,72 | 4,560 | 198,069 | 2,130 | *: | 2,409,322 | 95,383 |
| 49 | 49 | 69 | 69 | 69 | 49 | | 5 |
| ĵ. | 100 | 75 | 10 | Đ | * | | 11,730 |
| 69 | 69 | 69 | 69 | v | w | 6 | 6 |
| 8 | 9 | Š | į. | À | Ÿ. | | 14,070 |
| 1/5 | 44 | VP | 69 | 69 | 49 | " | ~ |
| Ki | ř. | ¥ï | ¥ | \$ | æ | $ \cdot $ | P |
| 49 | 44 | 49 | • | * | 49 | 44 | φ. |



Welland Hydro-Electric System Corp.

| Friend under Capitalization 50.0% 50.0% 53.3% 52.7% 56.0% 56 | | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 and later |
|--|--|--------|----------------|--------|----------------|--------|------------|-------------------|
| Park Capitalization Sig Offs Sig Off | Cost of Capital Capital Structure ¹ Capital Structure Short-lern Deht Canitalization | | | | 4.0% | 4.0% | 4.0% | 4.0% |
| Part Rate (actual/embedded/deemed) | Deemed Long-term Debt Capitalization Deemed Equity Capitalization | 50.0% | 50.0% 50.0% | 53.3% | 52.7% 43.3% | 56.0% | 58.0% | 58.0% |
| Tank Rate (a 225% (a 25% (a 25 | | 100,0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Shares Cacualiembeddeddeemed) | Cost of Capital Parameters Deemed Short-tern Debt Rate | | | | 1.33% | 1.33% | 1.33% | 1,33% |
| Names Pale Place T. 63% T. 55% T. | Long-term Debt Rate (actual/embedded/deemed) ² | 6.25% | 6.25% | 6,25% | 7,52% | 7.62% | 7.62% | 7.62% |
| Rate (15.0% | | 7,63% | 7,63% | 7.53% | 7.54% | 8.01% | 8.01% | 7.52% |
| Tax Rate Tax | Morking Capital Allowance Working Capital Allowance Rate (% of the sum of Cost of Power + controllable expenses) | 15.0% | 15,0% | 15.0% | 15.0% | 15.0% | 15.0% | 15.0% |
| 6.67% | Faxes/PILs Aggregate Corporate Income Tax Rate Capital Tax (until July 1st, 2010) | 36 12% | 36.12% | 33,50% | 29.02% | 27.50% | 24.24% | 22.72% 0.00% |
| 6.67% | Depreciation Rates | | | | | | | |
| - rate (%) 6.57% 6.57% 6.57% 6.57% 6.67% 6 | expressed as expected useful file in years) Smart Meters - vears | Ç | 45 | 15 | 15 | 15 | 45 | 16 |
| Outer Handware - years 5 | | 6.67% | 6.67% | 5.67% | 8.67% | 6.67% | 6.67% | 6.67 |
| ## Squipment - CCA Class Figuipment - CCA Class Figuipment - CCA Class Galons Software - CCA Rate Galons Softw | Computer Hardware - years | 20 00% | 20 00% | 20 00% | 20 00% | 20.00% | 20.00% | 20.00 |
| - Tate (%) 20,00% 20,00 | Computer Software - years | w) | 5 | S | 2 | 9 | VO. | |
| Equipment - years 10,00% | - rate (%) | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | 20.00% | 20.00 |
| Equipment - years 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25 4,00% <td>Tools & Equipment - years - rate (%)</td> <td>10.00%</td> <td>10.00%</td> <td>10.00%</td> <td>10.00%</td> <td>10.00%</td> <td>10,00%</td> <td>18.00</td> | Tools & Equipment - years - rate (%) | 10.00% | 10.00% | 10.00% | 10.00% | 10.00% | 10,00% | 18.00 |
| Meters - CCA Class 47 | Other Equipment - years - rate (%) | 4,00% | 4.00% | 4,00% | 4.00% | 4.00% | 4.00% | 4.00 |
| A Class A Rate Class A Rate Class A Rate A Class A Rate A Class A Rate A Class A Rate | CCA Rates Smart Motore , CCA Place | | | | 47 | 47 | 47 | |
| 52 52 52 100% 100% 100% 100% 100% 100% 100% 100 | Smart Meters - CCA Rate | | | | %B | 8% | 100 100 | ě |
| 20% 20% 20% | Computer Equipment - CCA Class Computer Equipment - CCA Rate | | | | 100% | 1000% | 52 100% | 100 |
| 20% 20% 20% | General Equipment - CCA Class | | | | 60 | 00 | 10 | |
| Applications Software - CCA Class Applications Software - CCA Rale | General Equipment - CCA Rate | | | | 20% | 20% | 20% | 20% |
| | Applications Software - CCA Class Applications Software - CCA Rate | | | | | | | |

Assumptions
I planned smart meter installations occur evenly throughout the year.
Fiscal calendar year (January 1 to December 31) used.
Amortization is done on a striaght line basis and has the "half-year" rule applied.



Welland Hydro-Electric System Corp.

Contario Energy Board Smart Meter Model

| Net Fixed Assets - Smart Meters | 2006 | Ñ | 2007 | | 2008 | | 5009 | | 2010 | | 2011 | 204 | 2012 and later |
|--|----------|------------------|----------|------------------|----------|--------------------|-----------|----------------|-------------------------------------|--------------|-------------------------------------|----------|-------------------------------------|
| Gross Book Value Opening Balance Capital Additions during year (from Smart Meter Costs) Retirements/Removals (if applicable) Closing Balance | v3 _v3 | ωω ω | | es es los | e e e | es es es | 2,177,266 | es ம ம | 2,177,266 71,185 2,248,451 | ω ω w | 2,248,451 506,933 2,755,384 | မာ အာ ြဟ | 2,755,384 |
| Accumulated Depreciation Opening Balance Amortization expense during year Retirements/Removals (if applicable) Closing Balance | , , , | சு ம | r. v. r. | ww w | F (C) | <i>ம</i> மு | 72,576 | φφ φ | 72,576 147,524 220,099 | y y y | 220,099 166,795 386,894 | 44 4 | 386,894 183,692 570,586 |
| Net Book Value Opening Balance Closing Balance Average Net Book Value Net Fixed Assets - Computer Hardware | G 69 69 | 69 69 | | 69 69 69 | N E E | မှ မှ မှ | 2,104,690 | မ မ | 2,104,690 2,028,352 2,066,521 | 9 9 | 2,028,352 2,368,490 2,198,421 | မှ မှ | 2,368,490 2,184,798 2,276,644 |
| Gross Book Value Opening Balance Capital Additions during year (from Smart Meter Costs) Retirements/Removals (if applicable) Closing Balance | , , , | 49 49 W | * 0 | ல | | 69 US US | 27,297 | w w _ w | 27,297 | es es es | 27,297 14,440 41,737 | 69 69 W | 41,737 |
| Accumulated Depreciation Opening Balance Amortization expense during year Retirements/Removals (if applicable) Closing Balance | o o o | www w | 8 6 8 | . ம | | မ မှ မှ | 2,730 | φφ φ | 2,730 5,459 8,189 | up up up | 8,189 6,903 15,093 | တ္ တု တု | 15,093 8,347 23,440 |
| Net Book Value Opening Balance Closing Balance Average Net Book Value | 6 6 6 | 69 69 69 | F 81.9 | မ မ မ | v. p. v. | ശ ശ ശ | 24,567 | 60 60 an | 24,567 19,108 21,838 | ம ம ம | 19.108 26,645 22,876 | တ တ တ | 26,645 18,297 22,471 |
| Net Fixed Assets - Computer Software (including Applications Software) Gross Book Value Opening Balance Capital Additions during year (from Smart Meter Costs) | oftware) | 69 (9 | 6704 | 69 69 | 3.3 | & ₩ | 4,560 | ө ө | 4,560 7,500 | ₩ ₩ | 12,060 15,800 | <i>↔</i> | 27,860 |

| 27,860 | 5,572 | 21,750 16,178 18,964 | 205,753 | 20,575 | 155,852 135,276 145,584 | | 2,130 | 213 85 298 | 1,917 | |
|---|--|--|---|--|--|------------------------------------|--|--|--|--|
| 69 | op op | w w w | es es es | ဟု ဟု ဟု | 9 9 | | 69 W W | જ જ જ | w w | |
| 27,860 | 3,992 | 9,942 21,750 15,846 | 198,069 7,684 205,753 | 29,710 | 168,359 155,852 162,105 | | 2,130 | 128 85 213 | 2,002 1,917 1,960 | |
| 69 | up up up | w w | es oror | op op | မာ မာ မာ | | சு மு | ஒ மு | சு சு சு | |
| 12,060 | 456 1,662 2,118 | 4,104 9,942 7,023 | 198,069 | 19,807 19,807 29,710 | 188,166 168,359 178,262 | | 2,130 | 43 85 128 | 2,087 2,002 2,045 | |
| 69 | 와 하 아 | & | es es es | ဟု ဟု ဟု | 69 69 69 | | မာ မာ မာ | એ એ એ | & & & | |
| 4,560 | 456 | 4,104 | 198,069 | 9,903 9,903 | 188,166 94,083 | | 2,130 | . 8 8 | 2,087 | |
| 69 | မှ မှ | မှ မှ | ⇔ ம | တတ္ တု | 9 9 | | ⇔ ப ் | w w w | 69 69 | |
| Service on loss carries state of a service | e de de la constante de la con | ¥2 +2, X3 | E + 1 | | 12 10 9. | | 15 m 3 m 3 m 3 m 3 m 3 m 3 m 3 m 3 m 3 m | | White the second | |
| 69 | க க க | <i>ம</i> ம | | | es es es | | 69 69 V9 | w w w | 69 69 | |
| 8 | · · · · · · · · · · · · · · · · · · · | υ υ υ υ υ υ υ υ υ υ υ υ υ υ υ υ υ υ υ | | ω ω | 69 KM KM | | | s s | မှ မ _ှ မှ | |
| S. S | 69 69 69 69 | 69 69 EM | , , , , , , , , , , , , , , , , , , , | 00 U0 U0 | | | us us | | 60 60 60 F | |
| Retirements/Removals (if applicable) Closing Balance | Accumulated Depreciation Opening Balance Amortization expense during year Retirements/Removals (if applicable) Closing Balance | Net Book Value Opening Balance Closing Balance Average Net Book Value | Net Fixed Assets - Tools and Equipment Gross Book Value Opening Balance Capital Additions during year (from Smart Meter Costs) Retirements/Removals (if applicable) Closing Balance | Accumulated Depreciation Opening Balance Amortization expense during year Retirements/Removals (if applicable) Closing Balance | Net Book Value Opening Balance Closing Balance Average Net Book Value | Net Fixed Assets - Other Equipment | Gross Book Value Opening Balance Capital Additions during year (from Smart Meter Costs) Retirements/Removals (if applicable) Closing Balance | Accumulated Depreciation Opening Balance Amortization expense during year Retirements/Removals (if applicable) Closing Balance | Net Book Value Opening Balance Closing Balance Average Net Book Value | |



| | - | | | | | | o Er | Ontario Energy Board Smart Meter Model | e g | | | | | | |
|--|-------------------------|-------------|---------------------------------------|------------------------|---|------------------------|-------------|--|-------------|---|-------------|--|-------|--|--|
| Welland Hydro-Electric System Corp. | Corp. | | | | | | | が発生 | | | | | | | |
| | 2 | 2006 | | 2007 | | 2008 | | 2009 | | 2010 | | 2011 | 2012 | 2012 and Later | |
| Average Net Fixed Asset Values (from Sheet 4) Smart Meters Computer Hardware Computer Software Tools & Equipment Other Equipment Total Net Fixed Assets | w | | 69 69 69 69 69 69 69 69 69 69 | | w w w w | | | 1,052,345 12,284 2,052 94,083 1,044 1,161,807 | | 2,066,521 21,838 7,023 178,262 2,045 2,275,689 | | 2,198,421 22,876 15,846 162,105 1,960 2,401,208 | | 2,276,644 22,471 18,964 145,564 1,874 2,465,517 | |
| Working Capital Operating Expenses (from Sheet 2) Working Capital Factor (from Sheet 3) Working Capital Allowance | м м | 15% | es es | 14,070 15% 2,111 | 40 e9 | 11,730 15% 1,760 | 4 44 | 95,383 15% 14,307 | 45 65 | 63,591 15% 9,539 | | 147,307 15% 22,096 | un un | 176,775 15% 26,516 | |
| Incremental Smart Meter Rate Base | ss. | | | 2,111 | 45 | 1,760 | 4 | 1,176,115 | 4 | 2,285,227 | us. | 2,423,304 | 69 | 2,492,033 | |
| Return on Rate Base Capital Structure Deemed Short Term Debt Deemed Long Term Debt Equity Fedury Preferred Shares Total Capitalization | w w w w | | | 1,055 | w w w w | 938 822 | | 47,045 619,813 509,258 1,176,115 | 00 00 00 00 | 91,409 1,279,727 914,091 2,285,227 | w w w w | 96,932 1,367,050 969,322 - 2,423,304 | | 99,681 1,395,539 996,813 - 2,492,033 | |
| Return on Debt Deemed Short Term Debt Deemed Long Term Debt Equity Equity Preferred Shares Total Return on Capital | 60 W W W | | | 66 95 161 | w w w | 59 74 | es es es es | 626 47,230 40,792 - 88,647 | 60 60 60 W | 1,216 97,515 73,219 171,950 | w & & & W | 1,289 103,407 77,643 182,339 | | 1,326 106,340 79,845 - | |
| Operating Expenses | €9 | • | 69 | 14,070 | 49 | 11,730 | 69 | 95,383 | 69 | 63,591 | 69 | 147,307 | w | 176,775 | |
| Amortization Expenses (from Sheet 4) Smart Meters Computer Hardware Computer Software Tools & Equipment Other Equipment Total Amortization Expense in Year | 60 60 60 60 60 60 60 FG | * * * * * . | | @ WCH @ . | w w w w w | ac eca ao • | | 72,576 2,730 456 9,903 43 | | 147,524 5,459 1,662 19,807 85 | 0 0 0 0 0 O | 166,795 6,903 3,992 20,191 85 | | 183,692 8,347 5,572 20,575 85 | |
| Incremental Revenue Requirement before Taxes/PILs | 69 | ŀ | 69 | 14,231 | 69 | 11,863 | 69 | 269,737 | 69 | 410,078 | 69 | 527,612 | 69 | 582,558 | |
| Calculation of Taxable Income Incernental Operating Expenses Amortization Expense Innerest Expense Innerest Expense Net Income for Taxes/PILs | 60 60 60 60 F | 36 18 1 | 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 14,070 | 60 | 11,730 59 74 | 10 to 10 | 95,383 85,707 47,855 | w w w | 63,591 174,537 98,731 73,219 | | 147,307 197,966 104,696 77,643 | w w w | 176,775 218,272 107,666 79,845 | |
| Grossed-up Taxes/PILs (from Sheet 7) | 10 | Nam | 69 | 53,70 | u) | 37,25 | 10 | 6,642.66 | 69 | 10,008.19 | 69 | 15,217.37 | us: | 21,478.99 | |
| Revenue Requirement, including Grossed-up Taxes/PILs | -970 | ¥i | 69 | 14,285 | w | 11,900 | 69 | 276,380 | us | 420,086 | 69 | 542,830 | W | 604,037 | |



Welland Hydro-Electric System Corp.

For PILs Calculation

| UCC - Smart Meters | | | | | | | | | | | | | |
|--|------------------------|------------------------|--------|------------------------|--------------|-------|------------------------|--------|------------------------|-------|------------------------|-------|----------------------------|
| | 2006 Audited Actual | 2007 Audited Actual | ctual | 2006 Audited Actual | Je Actual | And | 2009 Audited Actual | Auc | 2010 Audited Actual | Αn | 2011 Audited Actual | 6 | 2012 and later Forecast |
| Opening UCC Capital Additions | 99.40 | 49 kg | 69 | N2 N2 | # 0* | 49 49 | 2,177,266.00 | N9 119 | 2,090,175.35 | 10 50 | 1,991,298,93 | ww | 2,318,650.70 |
| Retirements/Removals (if applicable) | 66 | 65 | | u | Į. | 69 | 2.177.266.00 | 69 | 2.161.360.36 | 69 | 2,498,231,93 | 69 | 2,318,650.70 |
| Half Year Rule (1/2 Additions - Disposals) | S | 49 | , | S | | 69 | 1,088,633.00 | 69 | 35,592.50 | 69 | 253,466.50 | 69 | |
| Reduced UCC | ••• | 60 | 1 | | 00 | 69 | 1,088,633.00 | 69 | 2,125,767.86 | s, | 2,244,765,43 | 10 | 2,318,650.70 |
| CCA Rate Class | o % | %0 | | 0 %0 | _ < | | 4 % 8% | | * 8 %8 | | 8% | | 8% |
| CCA | 6 | 69 | , | ↔ | , | 69 | 87,090.64 | 69 | 170,061.43 | 69 | 179,581.23 | 49 | 185,492.06 |
| Closing UCC | 69 | s . | , | 69 | | us | 2,090,175.36 | 69 | 1,991,298.93 | 69 | 2,318,650.70 | € | 2,133,158.64 |
| UCC - Computer Equipment | 2006 | 2007 | | 2008 | 38 | | 2009 | | 2010 | | 2011 | Ø | 2012 and later |
| | Audited Actual | Audited Actual | Actual | Audited Actual | Actual | And | Audited Actual | Au | Audited Actual | AL | Audited Actual | | Forecast |
| Consist IICC | e. | ы | 9 | 69 | · | 49 | | 44 | 15,928,50 | 69 | 3,750,00 | 69 | 15,120.00 |
| Capital Additions Computer Hardware | | . 69 | | +9 | ķ | 49 | 27,297.00 | 45 | 6 | s, | 14,440,00 | 69 | |
| Capital Additions Computer Software | 69 | 69 | | 69 | 2 | U) | 4,560.00 | us | 7,500.00 | 69 | 15,800.00 | 69 | |
| Retirements/Removals (if applicable) | 65 | 6 | 1 | 69 | | 69 | 31.857.00 | 69 | 23,428,50 | 69 | 33,990.00 | 00 | 15,120.00 |
| Half Year Rule (1/2 Additions - Disposals) | w) | S | , | S | | 69 | 15,928.50 | 69 | 3,750,00 | 49 | 15,120,00 | 69 | |
| Reduced UCC | ** | 69 | 9 | w | ŕ | w | 15,928,50 | S | 19,678.50 | 69 | 18,870,00 | ₩ | 15,120,00 |
| CCA Rate Class | 0 | ø | | 0 | | | 52 | | 52 | | 52 | | 52 |
| CCA Rate | 870 | %0 | | %0 | % | | 100% | | 100% | | 100% | | 100% |
| CCA | 40 | sol e | | 69 | | 69 6 | 15,928.50 | 69 66 | 3 750 00 | en en | 18,870.00 | 19 69 | 15,120,00 |
| closing ucc | • | 5 | I | 9 | | 9 | 20,020,01 | • | 2,20,00 | • | | , | |
| UCC - General Equipment | 2006 Audited Actual | 2007 Audited Actual | ctual | 2008 Audited Actual | 08 Actual | Aud | 2009 Audited Actual | An | 2010 Audited Actual | ₹ | 2011 Audited Actual | 74 | 2012 and later Forecast |
| | | , | | 1 | | , | | ł | | ď | | 55 | 700 000 |
| Opening UCC | · | io e | i | n I | è | n | 1 000 | | 180,1,9.10 | 4 | 7 594 00 | 9 6 | 122,230,22 |
| Capital Additions Tools & Equipment | e i | 0 | A III | 0 1 | | A (| 00.600,081 | • • | †105 | | 00.400,7 | 999 | 30.5 |
| Capital Additions Other Equipment | | n | 4 | 0 | * | A | 2,130.00 | n | | ٠ | | • | |
| Remements/Removals (if applicable) | 69 | 69 | 1 | 65 |]. | 89 | 200,199.00 | 40 | 180,179,10 | (s) | 151,827.28 | 69 | 122,230.22 |
| Half Year Rule (1/2 Additions - Disposals) | 49 | 69 | | 69 | | 69 | 100,099,50 | s | | 69 | 3,842,00 | 69 | 1 |
| Reduced UCC | • | 47 | řű. | e) | 8 | 69 | 100,099,50 | s | 180,179.10 | 44 | 147,985,28 | 69 | 122,230,22 |
| CCA Rate Class | 0 % | 0 0 | | 0 % | . * | | 8 20% | | 8 20% | | 8 20% | | %DC |
| CCA | • | s | , | 69 | , | 69 | 20,019.90 | 69 | 36,035.82 | 69 | 29,597.06 | 69 | 24,446.04 |
| Closing UCC | u) | 69 | | 49 | | 69 | 180,179.10 | s | 144,143.28 | 69 | 122,230.22 | S | 97,784.18 |



TO DE LA PROPERTIE DE CONTRACTOR DE CONTRACT

PILs Calculation

| 2012 and later Forecast | 79,844 75 218,272 17 185,492,06 | 15,120,00 24,445,04 73,058,81 22,72% | 16,598.96 2,184,797.80 18,297.10 | 16,178.00 135,276.25 1,831.80 2,356,380.95 | 2,356,380,95 | • | 16,598.96 | 22.72% 21,478.99 |
|----------------------------|--|--|---|--|--|-------------------------------------|---|---|
| 2012 | 212 | - 01- | 2,18 | 1 5 2 | | | | 22,72% 21,478,99 |
| | બ બ બ | eò eo milita | N 10 10 | U) U) U) U) | in . | 60 | 69 69 69 | w w |
| 2011 Audited Actual | 77,642.65 197,966.20 179,581.23 | 18,870,00 29,597,06 47,560,56 | 11,528.68 2,368,490,07 26,644,50 | 21,750 00 155,851 55 1,917 00 2,574,653 12 | 2,574,653,12 | * | 11,528.68 | 2424% 15,217.37 |
| | 49 49 49 | op or op or | ப | 69 69 69 | NO. | ws. | 69 69 6W | 69 40 |
| 2010 Audited Actual | 73,218,68 174,537,40 170,061,43 | 19,678.50 36,035.82 21,980.33 27,50% | 6.044.59 2,028,351.57 19,107.90 | 9,942.00 168,358.65 2,002.20 2,227,762.32 | 0.075% | 1,670.82 | 6,044.59 1,670.82 7,715.41 | 27.50% 8,337.37 1,670.82 |
| | ળ બ બ | က် က <u>ကို က</u> | NO 60 60 | 10 10 10 10 | us. | w | vs 45 in | 10.00 |
| 2009 Audited Actual | 40,791.54 85,707.28 87,090.64 | 15,928.50 20,019.90 3,459.79 29.02% | 1,004.03 2,104,690.47 24,567.30 | 4,104.00 188,165.55 2,087.40 2,323,614.72 | 2,323,614,72 | 5,228,13 | 1,004.03 5,228.13 6,232.16 | 29.02% |
| | и из и ? | မှ မ မုံ ဗ | v) 10-49 | 00 00 00 00 | en. | 49 | 69 4D 40 | 69 W |
| 2008 Audited Actual | 73.95 | 73.95 | 24.77 | a< 9(3.9, 66 | 0.225% | • | 24.77 | 33.50% |
| | 60 69 49 | 10 10 10 IO | in 60 60 | 0 W W W | 49 | w | os on on | 44 0 |
| 2007 Audited Actual | 94.97 | 36.12% | 98 | FC 9039.58 | 0 225% | œ | 34 30 | 36.12% 53.70 |
| | en en en | w w w w | 10 10 10 | | 44 | un | 65 M M | we w |
| 2006 Audited Actual | 59 .#SUP | 36.12% | (4) (4) (4) | E AV SPLIKUR | %006.0 | ii. | 5.75 (5 | 36.12% |
| | us us us | 69 69 W | so so so | un un un un | 65 | un. | w ea va | 69 W |
| | INCOMETAX Net Income Amortization CCA - Smart Meters | CCA - Computers CCA - Opplications Software CCA - Other Equipment Charge in taxable Income Tax Rate (from Sheet 3) | Income Taxes Payable ONTARIO CAPITAL TAX Smart Meters Computer Hardware | Computer Software (Including Application Software) Tools & Equipment Other Equipment Rate Base | Less: Exemption Less and Taxable Capital Ontario Capital Tax Rate (from Sheet 3) | Net Amount (Taxable Capital x Rate) | Change in Income Taxes Payable Change in OCT PILs | Gross Up PILs Tax Rate Change in Income Taxes Payable Change in OCT |

This worksheet calculates the funding adder revenues.

Account 1555 - Sub-account Funding Adder Revenues

| | | | | | | Account 1555 - Sub- | ccount Funding Adde | rrevenue | 5: | | | |
|--------------------|-------------------|----------------|------------------|------|----------|--------------------------------|------------------------------|--------------------|----------------------------|--------------------------------|----------------|--------------------------------------|
| | Approved Deferral | | | | | | | | | | | Board Approved Smart |
| | and Variance | CWIP | | | | Opening Balance | Funding Adder | Interest | 1-44 | Clasina Balanco | Annual amounts | Meter Funding Adder (from Tariff) |
| Interest Rates | Accounts | | Date | Year | Quarter | (Principal) | Revenues | Rate | Interest | Closing Balance | Annual amounts | (from tariii) |
| 2006 Q1 | | | Jan-06 | 2006 | Q1 | \$ 7401 | | 0.00% 1 | | \$ | | |
| 2006 Q2 | 4.14% | 4.68% | Feb-06 | | Qf | \$ 290 | | 0.00% | | 5 - | | |
| 2006 Q3 | 4.59% | 5.05% | Mar-06 | 2006 | Q1 | \$ | | 0.00% \$ | | \$ | | |
| 2006 Q4 | 4.59% | 4.72% | Apr-06 | 2006 | Q2 | \$ (2) | | 4.14% | | 5 | | Y 110 |
| 2007 Q1 | 4,59% | 4.72% | May-06 | | Q2 | \$ | 2220000 | 4.14% | | \$ | | \$ 0.27 \$ 0.27 |
| 2007 Q2 | 4.59% | 4.72% | Jun-06 | | Q2 | \$ 5700.00 | \$ 5,703.00 | 4.14% | | \$ 5,703.00 \$ 11,923.81 | | \$ 0.27 \$ 0.27 |
| 2007 Q3 | 4.59% | 5,18% | Jul-06 | | Q3 | \$ 5,703,00 | \$ 6,199.00 \$ 5,020.00 | 4.59% | | \$ 11,923.81 \$ 16,967.53 | | \$ 0.27 |
| 2007 Q4 | 5,14% | 5.18% | Aug-06 Sep-06 | | Q3 | \$ 11,902,00 \$ 16,922.00 | \$ 5,020.00 \$ 6,621.00 | 4.59% | | \$ 23,607.73 | | \$ 0.27 |
| 2008 Q1 2008 Q2 | 5.14% 4.08% | 5.18% 5.18% | Oct-06 | | Q3 Q4 | \$ 23,543,00 | \$ 5,167.00 | 4.59% | | \$ 28,800.05 | | \$ 0.27 |
| 2008 Q2 2008 Q3 | 3,35% | 5.43% | Nov-06 | | Q4 | \$ 28,710,00 | \$ 6,648.00 | 4.59% | | \$ 35,467.82 | | \$ 0.27 |
| 2008 Q4 | 3 35% | 5.43% | Dec-06 | | 94 | \$ 35,358,00 | \$ 4,535.00 | 4.59% | \$ 135.24 | \$ 40,028.24 | \$ 40,360,18 | \$ 0.27 |
| 2009 Q1 | 2.45% | 6,61% | Jan-07 | | Q1 | \$ 39,893.00 | \$ 7,047.00 | 4.59% | | \$ 47,092.59 | | \$ 0.27 |
| 2009 Q2 | 1.00% | 6.61% | Feb-07 | 2007 | Q1 | \$ 46,940,00 | \$ 4,914.00 | 4.59% | | \$ 52,033.55 | | \$ 0.27 |
| 2009 Q3 | 0,55% | 5,67% | Mar-07 | 2007 | Q1 | \$ 51,854.00 | \$ 7,001.00 | 4.59% | | \$ 59,053.34 | | \$ 0.27 |
| 2009 Q4 | 0.55% | 4 66% | Apr-07 | | Q2 | \$ 58,855.00 | \$ 4,663.00 | 4.59% | | \$ 63,743.12 | | \$ 0.27 \$ 0.27 |
| 2010 Q1 | 0.55% | 4,34% | May-07 | | Q2 | \$ 63,518.00 | \$ 6,623,00 | 4,59% 3 4,59% 3 | | \$ 70,383.96 \$ 75,971.29 | | \$ 0.27 |
| 2010 Q2 | 0.55% | 4.34% | Jun-07 | | Q2 | \$ 70,141.00 \$ 75,703.00 | \$ 5,562.00 \$ 6,127.00 | 4,59% | | \$ 82,119.56 | | \$ 0.27 |
| 2010 Q3 | 0.89% | 4 66% 4 01% | Jul-07 Aug-07 | | Q3 Q3 | \$ 75,703,00 \$ 81,830,00 | \$ 4,753.00 | 4.59% | | \$ 86,896.00 | | \$ 0.27 |
| 2010 Q4 | 1.20% | 4.29% | Sep-07 | | Q3 | \$ 86,583.00 | \$ 6,665.00 | 4.59% | | \$ 93,579.18 | | \$ 0.27 |
| 2011 Q1 2011 Q2 | 1.47% 1.47% | 4.29% | Oct-07 | | Q4 | \$ 93,248.00 | \$ 5,038.00 | 5.14% | | \$ 98,685,41 | | \$ 0.27 |
| 2011 Q2 | 1.47% | 4.29% | Nov-07 | | Q4 | \$ 98,286,00 | \$ 6,951.00 | 5.14% | | \$ 105,657.99 | | \$ 0.27 |
| 2011 Q4 | 1.47% | 4.29% | Dec-07 | | Q4 | \$ 105,237,00 | \$ 4,755.00 | 5,14% | \$ 450.77 | \$ 110,442,77 | \$ 73,570.76 | |
| 2012 Q1 | 1.47% | 4.29% | Jan-08 | | Q1 | \$ 109,992.00 | \$ 7,167.00 | 5.14% | | \$ 117,630.13 | | \$ 0.27 |
| 2012 Q2 | | 4.29% | Feb-08 | | Q1 | \$ 117,159.00 | \$ 5,325.00 | 5,14% | | \$ 122,985.83 | | \$ 0.27 |
| 2012 Q3 | | 4.29% | Mar-08 | | Q1 | \$ 122,484.00 | \$ 6,053.00 | 5.14% | | \$ 129,061.64 | | \$ 0.27 \$ 0.27 |
| 2012 Q4 | | 4.29% | Apr-08 | | Q2 | \$ 128,537.00 | \$ 6,007.00 | 4.08% | | \$ 134,981.03 | | \$ 0.27 |
| | | | May-08 | | Q2 | \$ 134,544.00 | \$ 5,678.00 \$ 4,897.00 | 4.08% | | \$ 140,679.45 \$ 145,595.75 | | \$ 0.27 |
| | | | Jun-08 Jul-08 | | Q2 Q3 | \$ 140,222.00 \$ 145,119.00 | \$ 6,738.00 | | \$ 405,12 | \$ 152,262.12 | | \$ 0.27 |
| | | | Aug-08 | | Q3 | \$ 151,857.00 | \$ 4,719.00 | | \$ 423,93 | \$ 156,999.93 | | \$ 0.27 |
| | | | Sep-08 | | Q3 | \$ 156,576.00 | \$ 6,536.00 | | \$ 437,11 | \$ 163,549,11 | | \$ 0.27 |
| | | | Oct-08 | | Q4 | \$ 163,112.00 | \$ 5,977.00 | 3.35% | \$ 455,35 | \$ 169,544,35 | | \$ 0.27 |
| | | | Nov-08 | | Q4 | \$ 169,089.00 | \$ 6,065.00 | 3.35% | | \$ 175,626,04 | | \$ 0.27 |
| | | | Dec-08 | | Q4 | \$ 175,154.00 | \$ 5,531.00 | | \$ 488,97 | \$ 181,173.97 | \$ 76,244.35 | |
| | | | Jan-09 | | Q1 | \$ 180,685.00 | \$ 6,898.00 | 2.45% | | \$ 187,951.90 | | \$ 0.27 \$ 0.27 |
| | | | Feb-09 | | Q1 | \$ 187,583.00 | \$ 5,065.00 | 2 45% | | \$ 193,030,98 \$ 199,913,32 | | \$ 0.27 |
| | | | Mar-09 | | Q1 | \$ 192,648,00 \$ 199,520,00 | \$ 6,872.00 \$ 4,664.00 | 2.45% 1.00% | | \$ 204,350.27 | | \$ 0.27 |
| | | | Apr-09 May-09 | | Q2 Q2 | \$ 204,184.00 | \$ 6,569.00 | 1.00% | | \$ 210,923.15 | | \$ 0.27 |
| | | | Jun-09 | | Q2 | \$ 210,753.00 | \$ 5,033.00 | 1.00% | | \$ 215,961.63 | | \$ 0.27 |
| | | | Jul-09 | | Q3 | \$ 215,786.00 | \$ 5,639.00 | 0.55% | | \$ 221,523.90 | | \$ 0.27 |
| | | | Aug-09 | | Q3 | \$ 221,425.00 | \$ 5,140.00 | 0.55% | \$ 101.49 | \$ 226,666,49 | | \$ 0.27 |
| | | | Sep-09 | | Q3 | \$ 226,565.00 | \$ 7,030.00 | 0.55% | | \$ 233,698.84 | | \$ 0.27 |
| | | | Oct-09 | | Q4 | \$ 233,595.00 | \$ 5,606.00 | 0,55% | | \$ 239,308.06 | | \$ 0.27 \$ 0.27 |
| | | | Nov-09 | | Q4 | \$ 239,201.00 | \$ 6,762.00 | 0,55% | \$ 109.63 \$ 112.73 | \$ 246,072.63 \$ 250,580.73 | \$ 72,073,90 | |
| | | | Dec-09 | | Q4 | \$ 245,963.00 | \$ 4,505.00 \$ 5,602.00 | | \$ 114.80 | \$ 257,184.80 | \$ 12,013,50 | \$ 0.27 |
| | | | Jan-10 Feb-10 | | Q1 Q1 | \$ 250,468.00 \$ 257,070.00 | \$ 5,534.00 | | \$ 117.82 | \$ 262,721.82 | | \$ 0.27 |
| | | | Mar-10 | | Q1 | \$ 262,604.00 | \$ 6,583.00 | | \$ 120,36 | 5 269,307.36 | | \$ 0.27 |
| | | | Apr-10 | | Q2 | \$ 269,187.00 | \$ 4,917.00 | 0.55% | \$ 123.3B | \$ 274,227.38 | | \$ 0.27 |
| | | | May-10 | | Q2 | \$ 274,104.00 | \$ 8,606.00 | 0.55% | \$ 125.63 | \$ 282,835.63 | | \$ 1.81 |
| | | | Jun-10 | | Q2 | \$ 282,710.00 | \$ 19,606:00 | 0.55% | | \$ 302,445.58 | | \$ 1.81 |
| | | | Jul-10 | 2010 | Q3 | \$ 302,316,00 | \$ 41,916,00 | 0.89% | | \$ 344,456.22 | | \$ 1.81 |
| | | | Aug-10 | | Q3 | \$ 344,232,00 | \$ 35,562.00 | 0.89% | | \$ 380,049.31 | | \$ 1.81 \$ 1.81 |
| | | | Sep-10 | | Q3 | \$ 379,794.00 | \$ 44,192.00 | | \$ 281.68 | \$ 424,267.68 \$ 522,079.99 | | \$ 1.81 |
| | | | Oct-10 | | Q4 | \$ 423,986.00 | \$ 97,670.00 \$ 38,179.00 | 1.20% 1.20% | | \$ 522,079.99 \$ 560,356.66 | | \$ 1.81 |
| | | | Nov-10 Dec-10 | | Q4 Q4 | \$ 521,656,00 \$ 559,835,00 | \$ 38,179.00 \$ 40,929.00 | 1.20% | | | \$ 353,294.27 | |
| | | | Jan-11 | | Q1 | \$ 600,764.00 | 3 40,517.00 | 1.47% | | \$ 642,016.94 | | \$ 1.81 |
| | | | Feb-11 | | Q1 | \$ 641,281.00 | \$ 40,280.00 | | \$ 785.57 | \$ 682,346.57 | | \$ 1.81 |
| | | | Mar-11 | | Q1 | \$ 681,561,00 | \$ 37,927.00 | | \$ 834,91 | \$ 720,322.91 | | \$ 1.81 |
| | | | Apr-11 | | Q2 | \$ 719,488.00 | \$ 37,926.00 | 1.47% | \$ 881,37 | \$ 758,295.37 | | \$ 1.81 |
| | | | May-11 | | Q2 | \$ 757,414.00 | \$ 37,927.00 | | \$ 927.83 | \$ 796,268.83 | | \$ 2.11 |
| | | | Jun-11 | | Q2 | \$ 795,341.00 | \$ 49,425.00 | | \$ 974.29 | \$ 845,740.29 | | \$ 2.11 |
| | | | Jul-11 | | Q3 | \$ 844,766.00 | \$ 49,017.00 | | \$ 1,034.84 | \$ 894,817.84 \$ 941,658.88 | | \$ 2.11 \$ 2.11 |
| | | | Aug-11 | | Q3 | \$ 893,783.00 | \$ 46,781.00 \$ 45,498.00 | | \$ 1,094.88 \$ 1,152.19 | \$ 941,658.88 \$ 987,214.19 | | \$ 2.11 |
| | | | Sep-11 Oct-11 | | Q3 Q4 | \$ 940,564.00 \$ 986,062.00 | \$ 46,904.00 | | \$ 1,152.19 | | | \$ 2.11 |
| | | | Nov-11 | | Q4 Q4 | \$ 1,032,966.00 | \$ 45,615.00 | | | | | \$ 2.11 |
| | | | Dec-11 | | Q4 | \$ 1,078,581.00 | | | \$ 1,321.26 | | \$ 537,150,39 | \$ 2.11 |

Account 1555 - Sub-account Funding Adder Revenues

| Interest Rates | Approved Deferral and Variance Accounts | CWIP | Date | Year | Quarter | c | Opening Balance (Principal) | F | unding Adder | Interest Rate | Interest | С | osing Balance | Ann | ual amounts | Meter | Approved Funding from Tarif | Adder |
|----------------|---|------|--------|------|---------|----|--------------------------------|----|--------------|------------------|----------|----|---------------|-----|-------------|-------|-----------------------------------|-------|
| microst made | rioudalilo | | Jan-12 | | Q1 | \$ | 1.125.698.00 | \$ | 46,803.00 | 1.47% | 1,378,98 | \$ | 1,173,879.98 | | | 5 | | 2.11 |
| | | | Feb-12 | - | Q1 | \$ | 1.172.501.00 | \$ | 44,017.00 | 1,47% 5 | 1,436.3 | \$ | 1,217,954.31 | | | \$ | | 2.11 |
| | | | Mar-12 | | Q1 | \$ | 1,216,518.00 | \$ | 47,052.00 | 1,47% | 1,490,2 | \$ | 1,265,060.23 | | | \$ | | 2.11 |
| | | | Apr-12 | 2012 | Q2 | \$ | 1,263,570.00 | \$ | 45,534.00 | 1.47% \$ | 1,547.8 | \$ | 1,310,651.87 | | | 5 | | 2.11 |
| | | | May-12 | | Q2 | \$ | 1,309,104.00 | - | | 0.00% \$ | | \$ | 1,309,104.00 | | | | | |
| | | | Jun-12 | | Q2 | \$ | 1,309,104.00 | 13 | | 0.00% | | \$ | 1,309,104.00 | | | | | |
| | | | Jul-12 | 2012 | Q3 | \$ | 1,309,104.00 | | | 0.00% | 2.5 | \$ | 1,309,104.00 | | | | | |
| | | | Aug-12 | 2012 | Q3 | \$ | 1,309,104.00 | | | 0.00% | | \$ | 1,309,104.00 | | | | | |
| | | | Sep-12 | 2012 | Q3 | \$ | 1,309,104.00 | | | 0.00% \$ | | \$ | 1,309,104.00 | | | | | |
| | | | Oct-12 | 2012 | Q4 | \$ | 1,309,104.00 | | | 0.00% | 0.00 | \$ | 1,309,104.00 | | | | | |
| | | | Nov-12 | 2012 | Q4 | \$ | 1,309,104.00 | | | 0.00% | | \$ | 1,309,104.00 | | | | | |
| | | | Dec-12 | 2012 | 04 | * | 1 309 104 00 | | | 0.00% \$ | | \$ | 1.309.104.00 | \$ | 189.259.39 | | | |

Total Funding Adder Revenues Collected \$ 1,309,104.00 \$ 32,849.24 \$ 1,341,953.24 \$ 1,341,953.24

This worksheet calculates the interest on OM&A and amortization/depreciation expense, based on monthly data,

Welland Hydro-Electric System Corp.

Account 1558 - Sub-accounts Operating Expenses, Amortization Expenses, Carrying Charges

| Prescribed Interest Rates | Approved Deferral and Variance Accounts | CWIP | Date | Year | Quarter | Opening Balance (Principal) | OM&A Expenses | Amortization / Depreciation Expense | Closing Balance (Principal) | (Annual) Interest Rate | Interest (on opening balance) | Cumulative Interest |
|---------------------------------|--|----------------|----------------|------------------|----------|-----------------------------------|------------------------------|---|--------------------------------|------------------------------|-------------------------------|------------------------|
| 2006 Q1 | 0.00% | 0.00% | Jan-0 | | Q1 | \$ | | | F 7. | 0.00% | 859 | |
| 2006 Q2 2006 Q3 | 4.14% 4.59% | 4.68% 5.05% | Feb-0 Mar-0 | | Q1 Q1 | 41 51 | | | | 0.00% | 2.4.3 | |
| 2006 Q3 | 4.59% | 4.72% | Apr-0 | | Q2 | 2 | | | ¥ | 4.14% | | |
| 2007 Q1 | 4.59% | 4 72% | May-0 | | Q2 | | | | 5 | 4.14% | - 3 | |
| 2007 Q2 2007 Q3 | 4.59% 4.59% | 4.72% 5.18% | Jun-0 Jul-0 | | Q2 Q3 | | | | | 4,59% | | (0) |
| 2007 Q4 | 5,14% | 5.18% | Aug-0 | 8 2006 | Q3 | - 1 | | | 1 8 | 4.59% | | |
| 2008 Q1 2008 Q2 | 5.14% | 5.18% | Sep-0 Oct-0 | 6 2006 6 2006 | Q3 Q4 | 8 | | | | 4.59% | 9 | - 55 |
| 2008 Q3 | 3.35% | 5 43% | Nov-0 | 6 2006 | Q4 | 52 | | | | 4,59% | | |
| 2008 Q4 2009 Q1 | 3.35% | 5.43% 6.61% | Dec-0 Jan-0 | | Q4 Q1 | 2 | \$ 2,465.00 | | 2,465.00 | 4.59% 4.59% | | |
| 2009 Q2 | 1.00% | 6.61% | Feb-0 | 7 2007 | Q1 | 2,465 00 | 4 2,702.00 | | 2,465.00 | 4,59% | 9 43 | 9 43 |
| 2009 Q3 | 0.55% | 5 67% 4 66% | Mar-0 Apr-0 | | Q1 | 2,465.00 2,465.00 | \$ 4,700.00 | | 2,465.00 7,165.00 | 4,59% 4,59% | 9.43 | 18.86 28.29 |
| 2009 Q4 2010 Q1 | 0.55% 0.55% | 4.00% | May-0 | | Q2 Q2 | 7,165.00 | \$ 4,700.00 | | 7,165.00 | 4,59% | 27,41 | 55,69 |
| 2010 Q2 | 0.55% | 4,34% | Jun-0 | | Q2 | 7,165.00 | 2 2222 | | 7,165.00 | 4.59% | 27,41 27,41 | 83 10 110.50 |
| 2010 Q3 2010 Q4 | 0.89% 1.20% | 4.66% | Jul-0 Aug-0 | | Q3 Q3 | 7,165 00 10,637 00 | \$ 3,472.00 | | 10,637.00 10,637.00 | 4,59% 4,59% | 40.69 | 151 19 |
| 2011 Q1 | 1.47% | 4 29% | Sep-0 | 7 2007 | Q3 | 10,637.00 | \$ 3,433.00 | | 14,070.00 | 4.59% | 40,69 | 191,88 |
| 2011 Q2 2011 Q3 | 1.47% | 4.29% | Oct-0 Nov-0 | | Q4 Q4 | 14,070.00 14,070.00 | | | 14,070.00 14,070.00 | 5,14% 5,14% | 60,27 60,27 | 252 14 312 41 |
| 2011 Q3 2011 Q4 | 1.47% 1.47% | 4 29% | Dec-0 | | Q4 | 14,070.00 | | | 14,070.00 | 5,14% | 60.27 | 372 68 |
| 2012 Q1 | 1.47% | 4 29% | Jan-0 | 8 2008 | Q1 | 14,070.00 | | | 14,070.00 | 5,14% | 60 27 60 27 | 432,94 493,21 |
| 2012 Q2 2012 Q3 | 0.00% | 4 29% | Feb-0 Mar-0 | | Q1 Q1 | 14,070.00 14,070.00 | | | 14,070.00 14,070.00 | 5.14% | 60.27 | 553,48 |
| 2012 Q4 | 0.00% | 4.29% | 0-rqA | 8 2008 | Q2 | 14,070.00 | \$ 3,470.00 | | 17,540.00 | 4.08% | 47.84 | 601 31 |
| | | | May-0 Jun-0 | | Q2 Q2 | 17,540 00 17,540 00 | | | 17,540,00 17,540,00 | 4.08% | 59,64 59,64 | 660,95 720,59 |
| | | | Jul-0 | | Q3 | 17,540.00 | \$ 3,561.00 | | 21,101.00 | 3,35% | 48,97 | 769,55 |
| | | | Aug-0 | B 2008 | Q3 | 21,101.00 | | | 21,101.00 21.101.00 | 3.35% | 58,91 58,91 | 828,46 887,37 |
| | | | Sep-0 Oct-0 | | Q3 Q4 | 21,101.00 21,101.00 | \$ 3,887.00 | | 24,988.00 | 3.35% | 58,91 | 946,27 |
| | | | Nov-0 | B 2008 | Q4 | 24,988.00 | \$ 204.00 | | 25,192.00 | 3,35% | 69,76 | 1,016.03 |
| | | | Dec-0 Jan-0 | | Q4 Q1 | 25,192.00 25,800.00 | \$ 608.00 \$ 6,138.00 | \$ 7,142.27 | 25,800.00 39,080.27 | 3.35% | 70,33 52,68 | 1,086,36 |
| | | | Feb-0 | | Qf | 39,080,27 | \$ 6,737.00 | \$ 7,142.27 | 52,959.54 | 2.45% | 79.79 | 1,218,82 |
| | | | Mar-0 | | Q1 Q2 | 52,959.54 85,933.81 | \$ 25,832.00 \$ 5,753.00 | \$ 7,142.27 \$ 7,142.27 | 85,933 81 98,829 08 | 2 45% | 108,13 71,61 | 1,326,95 1,398,56 |
| | | | Apr-0 May-0 | | Q2 | 98,829.08 | \$ 7,753.00 | \$ 7,142.27 | 113,724.35 | 1.00% | 82,36 | 1,480,92 |
| | | | Jun-0 | 9 2009 | Q2 | 113,724,35 | \$ 12,038.00 | \$ 7,142.27 | 132,902 62 | 1.00% | 94.77 60.91 | 1,575,69 1,636,60 |
| | | | Jul-0 Aug-0 | | Q3 Q3 | 132,902,62 144,134,89 | \$ 4,090.00 \$ 3,420.00 | \$ 7,142.27 \$ 7,142.27 | 144,134.89 154,697.16 | 0.55% | 66.06 | 1,702.68 |
| | | | Sep-0 | 9 2009 | Q3 | 154,697,16 | \$ 2,352.00 | \$ 7,142.28 | 164,191.44 | 0.55% | 70,90 | 1,773,57 |
| | | | Oct-0 Nov-0 | | Q4 Q4 | 164,191,44 175,788,72 | \$ 4,455.00 \$ 4,037.00 | \$ 7,142.28 \$ 7,142.28 | 175,788.72 186,968.00 | 0 55% 0 55% | 75.25 80.57 | 1,848.82 1,929.39 |
| | | | Dec-0 | | Q4 | 186,968,00 | \$ 12,780.00 | \$ 7,142.28 | 206,890,28 | 0 55% | 85.69 | 2,015.08 |
| | | | Jan-1 Feb-1 | | Q1 Q1 | 206,890 28 238,795.06 | \$ 17,360.00 \$ 17,104.00 | \$ 14,544.78 \$ 14,544.78 | 238,795.06 270,443.84 | 0 55% 0 55% | 94,82 109,45 | 2,109,91 2,219,36 |
| | | | Mar-1 | | | 270,443.84 | \$ 2,573.00 | \$ 14,544.78 | 287,561.62 | 0.55% | 123,95 | 2,343,31 |
| | | | Apr-1 | | Q2 | 287,561.62 | \$ 2,331.00 | \$ 14,544.78 | 304,437.40 | 0 55% 0 55% | 131,80 139,53 | 2,475.11 2.614.64 |
| | | | May-1 Jun-1 | | Q2 Q2 | 304,437.40 321.314.18 | \$ 2,332.00 | \$ 14,544.78 \$ 14,544.78 | 321,314 18 338,189 96 | 0.55% | 139,53 | 2,761.91 |
| | | | Jul-1 | 0 2010 | QJ | 338,189,96 | \$ 2,458.00 | \$ 14,544.78 | 355,192.74 | 0.89% | 250,82 | 3,012,74 |
| | | | Aug-1 Sep-1 | | | 355,192.74 372,068.52 | \$ 2,331.00 \$ 4,663.00 | \$ 14,544.78 \$ 14,544.79 | 372,068.52 391,276.31 | 0.89% | 263 43 275 95 | 3,276.17 3,552.12 |
| | | | Oct-1 | | | 391,276,31 | \$ 2,331.00 | \$ 14,544.79 | 408,152.10 | 1.20% | 391.28 | 3,943.40 |
| | | | Nov-1 Dec-1 | | Q4 | 408,152,10 422,696,89 | \$ 7,777.00 | \$ 14,544.70 \$ 14,544.70 | 422,696.89 445,018.68 | 1.20% | 408.15 422.70 | 4,351,55 4,774.25 |
| | | | Jan-1 | | Q4 Q1 | 445,018.68 | \$ 2,689.00 | \$ 16,497.18 | 464,204.86 | 1.47% | 545.15 | 5,319,39 |
| | | | Feb-1 | 1 2011 | Q1 | 464,204,86 | \$ 4,013.00 | \$ 16,497.18 | 484,715.04 | 1,47% | 568 65 | 5,088.05 |
| | | | Mar-1 Apr-1 | | Q1 Q2 | 484,715.04 506,880.22 | \$ 5,658 00 \$ 3,432,00 | \$ 16,497.18 \$ 16,497.18 | 506,880 22 526,809.40 | 1.47% | 593.78 620.93 | 6,481.82 7,102.75 |
| | | | May-1 | 1 2011 | Q2 | 526,809.40 | \$ 9,511.00 | \$ 16,497.18 | 552,817.58 | 1.47% | 645 34 | 7,748 09 |
| | | | Jun-1 Jul-1 | | Q2 Q3 | 552,817.58 574.092.76 | \$ 4,778.00 \$ 3,832.00 | \$ 16,497.18 \$ 16,497.18 | 574,092.76 594.421.94 | 1.47% | 677.20 703.26 | 8,425,29 9,128,56 |
| | | | Aug-1 | | Q3 | 594,421,94 | 5 6,610.00 | \$ 16,497.18 | 617,529.12 | 1.47% | 728 17 | 9,856,72 |
| | | | Sep-1 | 1 2011 | Q3 | 617,529.12 | \$ 10,277.00 | \$ 16,497.10 | 644,303 31 | 1.47% | 756.47 | 10,613.20 |
| | | | Oct-1 Nov-1 | | Q4 Q4 | 644,303,31 671,493,50 | \$ 10,093.00 \$ 11,034.00 | \$ 16,497.19 \$ 16,497.19 | 671,493.50 699,024.69 | 1.47% | 789.27 822.58 | 11,402,47 12,225,05 |
| | | | Dec-1 | 1 2011 | Q4 | 699,024,69 | \$ 74,770.00 | \$ 16,497.19 | 790,291.88 | 1.47% | 856.31 | 13,081,35 |
| | | | Jan-1 Feb-1 | | Q1 Q1 | 790,291.88 622,712.47 | \$ 14,231.25 \$ 20,231.25 | \$ 18,189.34 \$ 18,189.34 | 822,712.47 861,133.06 | 1.47% | 968.11 1,007.82 | 14,049.46 15,057.28 |
| | | | Mar-1 | | Q1 | 861,133.06 | \$ 14,231.25 | \$ 18,189.34 | 893,553 65 | 1,47% | 1,054 89 | 16,112.17 |
| | | | Apr-1 | 2 2012 | | 893,553,65 | \$ 14,231.25 \$ 14,231.25 | \$ 18,189.35 \$ 18,189.35 | 925,974.25 958.394.85 | 1,47% | 1,094.60 | 17,206.77 17,206.77 |
| | | | May-1 Jun-1 | | Q2 Q2 | 925,974,25 958,394,85 | \$ 14,231.25 | \$ 18,189.35 | 990,815.45 | 0.00% | | 17,206.77 |
| | | | Jul-1 | 2 2012 | | 990,815,45 | \$ 14,231.25 | \$ 18,189.35 | 1,023,236 05 | 0.00% | | 17,206.77 |
| | | | Aug-1 Sep-1 | | Q3 Q3 | 1,023,236.05 1,055,656.65 | \$ 14,231.25 \$ 14,231.25 | \$ 18,169.35 \$ 18,189.35 | 1,055,656.65 1,088,077.25 | 0,00% | | 17,206.77 17,206.77 |
| | | | Oct-1 | 2 2012 | Q4 | 1,088,077,25 | \$ 14,231,25 | \$ 18,189.35 | 1,120,497.85 | 0.00% | 1,0 | 17,206.77 |
| | | | Nov-1 Dec-1 | | Q4 Q4 | 1,120,497.65 1,152,918.45 | \$ 14,231.25 \$ 14,231.25 | \$ 18,189.35 \$ 18,189.35 | 1,152,918 45 1,185,339 05 | 0.00% | 1 | 17,206.77 17,206.77 |
| | | | Dec- | 2012 | Q. | 1,102,010,40 | THE THE | - 11/100.00 | 1,100,000.00 | 0.0076 | | 17,200.77 |

\$ 508,856,00 \$ 676,483,05 \$ 1,185,339.05



Check if

Smart Meter Funding Adder (SMFA)

Smart Meter Disposition Rider (SMDR)

x x

Smart Meter Incremental Revenue Requirement Rate Rider (SMIRR)

The SMIRR is calculated based on the Incremental revenue requirement associated with the recovery of capital related costs to December 31, 2012 and associated OM&A.

The SMDR is calculated based on costs to December 31, 2011

1,869,516,90 13,081,35 13,081,35 1,309,104.00 32,849 24 540,645.02 Total 21708 5,853,39 414,777,32 604,036,71 183,406,00 2012 and later 69 19 524,934 00 12,216,39 13,986,36 542,829 64 8,307,11 8,307,11 2011 69 2,759,16 69,551,11 2,759,16 350,296,00 2,998,27 420,086,22 2010 69 928,73 928,73 69,783,00 2,290,90 205,234,72 276,379,89 2009 1/9 70,693,00 5,551,35 63,630,85 11,899,82 713,68 2008 vo 372,68 372.68 70,099,00 3,471,76 58,913.46 14,284,63 2007 100 49 467 18 39,893,00 40,360,18 2006 69 69 60 69 Deferred and forecasted Smart Meter Incremental Revenue Requirement (from Sheet 5) Interest on Deferred and forecasted OM&A and Amortization Expense (Sheet 8A/8B) Sheet 8B (Interest calculated on average annual balances) Sheet BA (Interest calculated on monthly balances) Number of Metered Customers (average for 2012 test year) Net Deferred Revenue Requirement SMFA Revenues (from Sheet 8) (Check one of the boxes below) SMFA Interest (from Sheet 8) ×

Calculation of Smart Meter Disposition Rider (per metered customer per month)

| ears for colline | Years for collection or refunding | | 1 | |
|-----------------------------|---|-----------|-------------------|-------|
| егеттер постет | Deferred Incremental Revenue Requirement from 2006 to December 31, 2011 | 69 | 1,278,561,55 | |
| plus Inte | plus interest on OMisA and Amortization SMFA Revenues collected from 2006 to 2012 test year (inclusive) | 69 | 1,341,953 24 | |
| Pius Sin Vet Deferred Re | Flus Simple Interest on SMFA Revenues Net Deferred Revenue Requirement | 49 | 63,391,69 | |
| SMDR | May 1, 2012 to April 30, 2013 | 69 | 0.24 | Match |
| Sheck Forecat | Check Forecasted SMDR Revenues | 49 | 62,519.04 | |
| culation of Sm | Calculation of Smart Meter Incremental Revenue Requirement Rate Rider (per metered customer per month) | etered cu | stomer per month) | |
| ncremental Re | Incremental Revenue Requirement for 2012 | 69 | 604,036,71 | |
| SMIRR | | ч | 2 32 | Match |
| Check Forecas | Check Forecasted SMIRR Revenues | 49 | 604,350 72 | |



Ontario Energy Board
2012 IRM 3 Tax
Savings Workform

Welland Hydro-Electric System Corp.

This worksheet calculates the tax sharing amount.

Step 1: Press the <u>Update Button</u> (this will clear all input cells and reveal your latest cost of service re-basing year).

Summary - Sharing of Tax Change Forecast Amounts

| For the 2009 year, enter any Tax Credits from the Cost of Service Tax Calculation (Positive #) | \$ 15,000 | | |
|--|---------------------------|-----|---------------------|
| 1. Tax Related Amounts Forecast from Capital Tax Rate Changes | 2009 | | 2012 |
| Taxable Capital | \$ 26,931,529 | \$ | 26,931,529 |
| Deduction from taxable capital up to \$15,000,000 | \$ 15,000,000 | \$ | 15,000,000 |
| Net Taxable Capital | \$ 11,931,529 | \$ | 11,931,529 |
| Rate | 0.225% | | 0.000% |
| Ontario Capital Tax (Deductible, not grossed-up) | \$ 26,846 | \$ | |
| 2. Tax Related Amounts Forecast from Income Tax Rate Changes Regulatory Taxable Income | \$ 2009 956,964 | \$ | 2012 956,964 |
| Corporate Tax Rate | 29,02% | | 22.72% |
| Tax Impact | \$ 277,719 | \$ | 202,443 |
| Grossed-up Tax Amount | \$ 391,264 | \$ | 261,969 |
| Tax Related Amounts Forecast from Capital Tax Rate Changes | \$ 26,846 | \$ | |
| Tax Related Amounts Forecast from Income Tax Rate Changes | \$ 391,264 | \$ | 261,969 |
| Total Tax Related Amounts | \$ 418,110 | \$ | 261,969 |
| Incremental Tax Savings | | -\$ | 156,141 |
| Sharing of Tax Savings (50%) | | -\$ | 78,071 |

Welland Hydro Smart Meter - Disposition Rate Rider Revised Appendix H- Original Application

Based on Estimated Capital Split - Smart Meters

| | \$ | Residential Class | % | GS<50 Class | % |
|--|----------------|-------------------|-------|----------------|--------|
| 2007 Capital Spending 2008 Capital Spending | \$0 \$0 | \$0 \$0 | | \$0 \$0 | |
| 2009 Capital Spending | \$2,409,322 | \$2,281,758 | 94.7% | \$127,564 | 5.3% |
| 2010 Capital Spending | \$78,685 | \$73,720 | 93.7% | \$4,965 | 6.3% |
| 2010 Cumulative | \$2,488,007 | \$2,355,478 | 94.7% | \$132,529 | 5.3% |
| 2011 Capital Spending | \$544,857 | \$213,058 | 39.1% | \$331,799 | _60.9% |
| 2011 Cumulative | \$3,032,864 | \$2,568,536 | 84.7% | \$464,328 | 15.3% |
| Metered Customers | 21,708 | 20,016 | 92.2% | 1,692 | 7.8% |
| Return & Amortization 2007-2009 | \$174,649 | \$165,225 | 94.6% | \$9,424 | 5.4% |
| Return & Amortization 2010 | \$346,487 | \$327,782 | 94.6% | \$18,705 | 5.4% |
| Return & Amortization 2011 | \$380,305 | \$338,570 | 89.0% | \$41,735 | 11.0% |
| | \$901,441 | \$831,577 | 92.2% | \$69,864 | 7.8% |
| OM & A Costs & Interest 2007-2011 | \$345,162 | \$318,332 | 92.2% | \$26,830 | 7.8% |
| Revenue Before PILS 2007-2011 | \$1,246,603 | \$1,149,909 | 92.2% | \$96,694 | 7.8% |
| Gross-Up PILS 2007-2009 | \$6,734 | \$6,609 | 98.1% | \$125 | 1.9% |
| Gross-Up PILS 2010 | \$10,008 | \$9,748 | 97.4% | \$260 | 2.6% |
| Gross-Up PILS 2011 | \$15,217 | \$13,693 | 90.0% | \$1,524 | _10.0% |
| · | \$31,959 | \$30,050 | 94.0% | \$1,909 | 6.0% |
| Revenue Requirement 2007-2011 | \$1,278,562 | \$1,179,959 | 92.3% | \$98,603 | 7.7% |
| Smart Meter Funding Adder Revenue & Carrying Costs 2006-2012 | \$1,341,953 | \$1,237,281 | 92.2% | \$104,672 | 7.8% |
| Smart Meter True Up Amount | -\$63,391 | -\$57,322 | | -\$6,069 | |
| Disposition Rate Rider | <u>-\$0.24</u> | <u>-\$0.24</u> | | <u>-\$0.30</u> | |

Welland Hydro Smart Meter - Revenue Requirement Rate Rider Revised Appendix D-Original Application

A) Based on Estimated Capital Split - Smart Meters

| | Total | Residential Class | % | GS<50 Class | % |
|--------------------------------|-------------|----------------------|--------|----------------|-------|
| | Total | Class | | | |
| Capital Expenditures | \$3,032,864 | \$2,568,536 | 84.7% | \$464,328 | 15.3% |
| Metered Customers | 21,708 | 20,016 | 92.2% | 1,692 | 7.8% |
| | | | | | |
| Short Term Interest | \$1,326 | \$1,105 | | \$221 | |
| Long Term Interest | \$106,340 | \$88,631 | | \$17,709 | |
| Return on Equity | \$79,845 | \$66,548 | | \$13,297 | |
| Amortization | \$218,272 | \$186,026 | | \$32,246 | |
| | \$405,783 | \$342,310 | 84.4% | \$63,473 | 15.6% |
| | A470 775 | *400.000 | 00.00/ | ¢40.700 | 7.00/ |
| OM & A Costs | \$176,775 | \$162,986 | 92.2% | \$13,789 | 7.8% |
| Revenue Before PILS | \$582,558 | \$505,296 | 86.7% | \$77,262 | 13.3% |
| | , , | , , . | | , | |
| Gross-Up PILS | \$21,479 | \$18,619 | 86.7% | \$2,860 | 13.3% |
| Barrage Barrage and | ¢004.007 | ¢502.045 | | ¢90 122 | |
| Revenue Requirement | \$604,037 | \$523,915 | | \$80,122 | |
| Revenue Requirement Rate Rider | \$2,32 | <u>\$2.18</u> | | <u>\$3,95</u> | |
| • | | | | | |

Welland Hydro - Capital Cost By Customer Class Revised Appendix G-Original Filing

| | Total Units | Total Cost | Residential Units | Residential Cost | GS<50 <u>Units</u> | GS<50 Cost |
|-----------------------------|-------------|-------------|----------------------|---------------------|-----------------------|---------------|
| 1.1.1 Meters | | | | | | |
| Non Three Phase | 20,936 | \$1,954,312 | 19,937 | \$1,861,058 | 999 | \$93,254 |
| Three Phase | 1,020 | 414,256 | 256 | 103,970 | 764 | 310,286 |
| 1.1.2 Installation | | | | | | |
| Non Three Phase Labour | 20,936 | 173,850 | 19,937 | 165,554 | 999 | 8,296 |
| Three Phase Labour | 1,020 | 19,607 | 256 | 4,921 | 764 | 14,686 |
| Adaptors-All Meters | 21,956 | 64,035 | 20,193 | 58,893 | 1,763 | 5,142 |
| Meter Rings-All Meters | 21,956 | 98,040 | 20,193 | 90,168 | 1,763 | 7,872 |
| Plastic Padlock-All Meters | 21,956 | 3,873 | 20,193 | 3,562 | 1,763 | 311 |
| 1.1.3a Workforce Automation | | | | | | |
| Hardware-All Meters | 21,956 | 41,737 | 20,193 | 38,386 | 1,763 | 3,351 |
| 1.1.3b Workforce Automation | | | | | | |
| Software-All Meters | 21,956 | 20,360 | 20,193 | 18,725 | 1,763 | 1,635 |
| 1.2 AMRC | | | | | | |
| Total Cost-All Meters | 21,956 | 207,883 | 20,193 | 191,191 | 1,763 | 16,692 |
| 1.5 Other AMI Costs | | | | | | |
| Total Cost-All Meters | 21,956 | 34,911 | 20,193 | 32,108 | 1,763 | 2,803 |
| Total Capital Costs | 21,956 | \$3,032,864 | 20,193 | \$2,568,536 | 1,763 | \$464,328 |
| Average Capital Cost/Meter | | \$138.13 | | \$127.20 | | \$263.37 |