



The Yukon Electrical Company Limited
An **ATCO** Company

May 23, 2014

Yukon Utilities Board
Box 31728
Whitehorse, YT Y1A 6L3

Attention: Mr. Bruce McLennan
Board Chairman

Dear Sir:

**RE: The Yukon Electrical Company Limited (“Yukon Electrical”)
2013-2015 General Rate Application Compliance Filing**

Please find attached Yukon Electrical’s Refiling relating to Board Order 2014-06.

Should you have any questions with respect to the enclosed, please contact the undersigned at (780) 733-2489.

Yours truly,

Original Signed by:

James Grattan, CA
Director, Regulatory



**2013-2015 Phase I General Rate Application
Compliance Filing – Board Order 2014-06**

1 Overview

2 In addition to the responses to the Board Directions in Board Order 2014-06, Yukon Electrical
3 has provided a reconciliation of the applied for revenue requirement (per the Updates Filing
4 dated October 31, 2013) to the approved revenue requirement as a result of Board
5 Order 2014-06. This reconciliation is included as Attachment 1 (2013), Attachment 2 (2014) and
6 Attachment 3 (2015) and the summarized adjustments to revenue requirement are in the tables
7 below.

| | 2013 | 2014 | 2015 |
|--|-----------------|-------------|-------------|
| | (\$000s) | | |
| Applied for Tariffs per Updates Filing | 52,698 | 56,257 | 58,918 |
| Total Adjustments per Board Order 2014-06 | (2,886) | (2,784) | (3,735) |
| Refiling Update | 49,812 | 53,473 | 55,183 |

8 Yukon Electrical has included its adjustments, as well as the associated Revised Schedule 12.1
9 and Schedules 12.2 and 12.3, to the 2013/14 Rate Adjustment Rider R, 2015 Rate Adjustment
10 Rider R, and Fuel Rider F as a result of this compliance filing. The rate increases are as follows:

| | Rate Increase | | |
|---|----------------------|--------------|--------------|
| | (\$000s) | | |
| | 2013 | 2014 | 2015 |
| Applied for Rate Increase | 4,913 | 7,040 | 8,764 |
| Less: Total Refiling Adjustments | (2,886) | (2,784) | (3,735) |
| Plus: Adjustments to Revenue: | | | |
| Applied for Total Revenues at Existing Rates | 47,785 | 49,217 | 50,155 |
| Total Revenues at Existing Rates per Refiling | 47,642 | 49,811 | 50,830 |
| | <u>143</u> | <u>(594)</u> | <u>(675)</u> |
| | <u>2,169</u> | <u>3,662</u> | <u>4,353</u> |



2013-2015 Phase I General Rate Application Compliance Filing – Board Order 2014-06

Approvals Requested

1 Yukon Electrical requests the following final rate approvals:

- 2 1) Approval for the current Interim Rate Adjustment Rider, Rider R, of 6.5%, approved
3 in Board Order 2013-05, to be set to zero effective July 1, 2014;
- 4 2) Approval to modify Rider R to the 2013/14 Rate Adjustment Rider set to 4.77%, to be
5 in effect for consumption from July 1, 2014, to December 31, 2014 to collect the
6 remaining 2013 and 2014 net revenue shortfall; and
- 7 3) Approval to set Rider R to 7.20% as the Rate Adjustment Rider for consumption on
8 or after January 1, 2015.

9 Regarding the 2013/14 Rate Adjustment Rider, Yukon Electrical respectfully requests a decision
10 on this compliance filing by June 23, 2014 in order to implement the rider on July 1, 2014.

11 **2013/2014 Rate Adjustment Rider, Rider R**

12 On May 27, 2013, Yukon Electrical submitted its Phase I 2013-2014 GRA. Included in the GRA
13 was an application for an Interim Rate Adjustment Rider, Rider R, of 6.5% to collect 50% of the
14 difference between 2013 forecast revenue from existing rates and the proposed 2013 Revenue
15 Requirement, amounting to \$1,825,000. In Board Order 2013-05, dated June 25, 2013, the YUB
16 approved Rider R as filed and it was implemented for electrical consumption on or after July 1,
17 2013.

18 Board Order 2014-06, dated April 23, 2014, directed Yukon Electrical to make adjustments to a
19 number of schedules to the 2003-2015 GRA forecast in the compliance filing. The difference
20 between the forecast revenue on existing rates and the revised 2013/2014 Revenue
21 Requirements (refer to Schedule 2.1) have resulted in a revenue shortfall of \$2,169,000 in 2013
22 and \$3,662,000 in 2014. After adjusting for Rider R and Rider F (Fuel Adjustment Rider)
23 revenue collections and transfers from 2013 and 2014, the revenue shortfall to be collected from
24 customers is calculated to be \$1,328,000. Please refer to Revised Schedule 12.1 for the
25 detailed calculations.



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1 Yukon Electrical proposes to collect the \$1,328,000 revenue shortfall by introducing a 2013/14
2 Revenue Shortfall/Surplus Rider, Rider R, of 4.77%. Rider R would be applied to all retail
3 customer bills, excluding Secondary Energy Rate 32 and Wholesale Rates 42 and 43, for
4 consumption beginning July 1, 2014 and ending December 31, 2014. This replaces the 6.5%
5 Interim Rate Adjustment Rider.

6 The impact of Rider R on customer costs has been calculated. An average monthly sale of 800
7 kWh has been used for a sample hydro, non-government residential customer, and 1000 kWh
8 and 5 kW demand for a sample hydro, non-government commercial customer. Dollar amounts
9 reported include all riders and taxes. The results are shown in the following table:

10 **Proposed July 1, 2014 Rates vs. Current May 1, 2014 Rates**

| CUSTOMER GROUP | COST INCREASE/(DECREASE) | % INCREASE/(DECREASE) |
|---|-------------------------------------|----------------------------------|
| RESIDENTIAL USING 800 KWH/MONTH | (\$2.47) | (1.7%) |
| COMMERCIAL USING 1000 KWH AT 5 KW/MONTH | (\$2.49) | (1.4%) |

11 **Ongoing Rate Adjustment Rider R**

12 For consumption on or after January 1, 2015, Yukon Electrical proposes to change Rider R to
13 7.20%. Please refer to Schedule 12.2 for the detailed calculations.

14 The impact of Rider R on customer costs has been calculated. An average monthly sale of 800
15 kWh has been used for a sample hydro, non-government residential customer, and 1000 kWh
16 and 5 kW demand for a sample hydro, non-government commercial customer. Dollar amounts
17 reported include all riders and taxes. The results are shown in the following table:

18 **Proposed January 1, 2015 Rates vs. Proposed July 1, 2014 Rates**

| CUSTOMER GROUP | COST INCREASE/(DECREASE) | % INCREASE/(DECREASE) |
|---|-------------------------------------|----------------------------------|
| RESIDENTIAL USING 800 KWH/MONTH | \$3.48 | 2.5% |
| COMMERCIAL USING 1000 KWH AT 5 KW/MONTH | \$3.50 | 2.0% |



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Rider F

1 Fuel Adjustment Rider (Rider F) collections from customers of \$586,000 from January 1, 2013
2 to December 31, 2013, and \$277,000 from January 1, 2014 to June 30, 2014, totaling \$863,000,
3 were included in the determination of the 2013/2014 Rate Adjustment Rider, Rider R. This
4 effectively resets the base fuel prices and heat rates to be used in determining the Rider F
5 shortfall/surplus balance beginning January 1, 2013. The amount transferred to Rider R is the
6 difference between the fuel variance using 2008-2009 GRA approved fuel prices and heat rates,
7 and the fuel variance using 2013-2015 GRA fuel prices and heat rates. Rider F is currently set
8 to zero, as of January 1, 2014. Schedule 12.3 shows the projected Rider F balance to June 30,
9 2014. All future calculations relating to Rider F will utilize the approved fuel prices and heat
10 rates as the base.



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1 Responses to Board Directions

| Direction | Description | Response |
|-----------|---|--|
| #1 | The Board accepts YECL's forecast update for 2013 but is not convinced that 2014 and 2015 should be changed from the original forecast. The Board directs YECL to reflect this finding in its revenue requirement and all related schedules in its compliance filing. In addition, the Board directs YECL in its compliance filing to adjust its sales forecast based on the findings from the DSM section of this decision. (Page 9) | Please refer to Attachment 4 for the details of adjustments made to the residential and commercial sales forecasts for 2013-2015, including the adjustments made based on the changes to the DSM program, and the resulting impact on the Purchase Power forecast for the test period. |



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| Direction | Description | Response |
|-----------|--|---|
| #2 | In view of YECL's forecast update, the Board considers that WHCT startup is reasonably forecastable for 2014, and any forecasting error respecting the startup is minimal. Accordingly, the Board denies YECL's proposal for a deferral account related to WHCT sales uncertainty. The Board therefore, directs YECL in its compliance filing to reflect the Board's findings and to update the WHCT sales forecast. (Pages 11-12) | Please refer to Attachment 4 for the details of adjustments made to the industrial sales forecast for 2013-2015. As directed, Yukon Electrical has updated the WHCT sales forecast for the test period. Based on discussions with the customer, no firm start date has been provided through to the end of 2015. Given the continued delays in start-up (the customer was originally forecast to start operating in mid-2013), Yukon Electrical believes that the most reasonable forecast of sales to WHCT for the test period is nil. |



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| Direction | Description | Response |
|-----------|---|--|
| #3 | <p>The Board rejects YECL's proposal to capitalize incremental purchase power costs that it had incurred for the period in which Fish Lake #1 was out of service as a result of the March 2010 catastrophic failure. The Board therefore directs YECL to recover all costs related to the catastrophic failure of Fish Lake unit #1 for the period from March 2010 to the end of 2013, when Fish Lake comes back on line, from its reserve for injuries and damages account. The Board further directs that YECL reflect this determination in its compliance filing. (Page 16)</p> | <p>As directed, Yukon Electrical has reclassified the incremental purchase power costs incurred for the period March 2010 to December 2013 as a result of Fish Lake Unit #1 being out of service from capital to the reserve for injuries and damages. Please refer to Revised Schedule 8.4, line 28 for the change in the amount added to the reserve for injuries and damages.</p> <p>Please refer to Attachment 5 for the impact on Total Capital Expenditures (Revised Schedule 9.1, line 31) and Capital Additions to Rate Base (Revised Schedule 9.1, line 33) as a result of the removal of the incremental purchase power from capital.</p> <p>Consistent with past treatment, the amortization of the reserve has been set to bring the overall reserve balance to \$nil as of December 31, 2015.</p> |



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| Direction | Description | Response |
|-----------|--|--|
| #4 | The Board orders YECL to reduce its FTE complement in the test years by 3.0 FTEs, one of which must be from accounting and finance, and to provide an explanation in the compliance filing on how it plans to meet this reduction. (Page 23) | <p>Yukon Electrical reduced its forecast FTE complement by 3.0 FTEs by eliminating the following positions:</p> <ul style="list-style-type: none">- Customer Service Representative (forecast addition in mid-2014) – This position was intended to be the main contact with new customers for capital. With the elimination of the position, other staff will continue to complete the tasks that the Customer Service Representative would have been assigned and new customers will continue to work with staff from multiple departments to be connected to the distribution system.- Power Line Technician Apprentice (PLT) (forecast addition in mid-2015) – Yukon Electrical forecast adding this position in order to continue to train and develop hard-to-find PLTs locally. With the elimination of the position, the duties to be completed by this Apprentice will be completed by other staff or contractors as required, and Yukon Electrical will continue to try to recruit fully qualified PLTs from the outside when PLT positions become vacant.- Corporate Account (2013 addition, to be eliminated in 2015) – With the continued heavy workload in the accounting and finance areas related to reporting and regulatory, Yukon Electrical is presently unclear how the required work will be completed with one less position. <p>The resulting decrease in O&M due to the removal of the labour, fringe and affiliate overhead (Corporate Accountant only) costs for these positions is \$11,000 in 2014 and \$212,000 for 2015.</p> <p>The elimination of these positions also resulted in a reduction to Total Capital Expenditures (Revised Schedule 9.1, line 31) and Capital Additions to Rate Base (Revised Schedule 9.1, line 33) of \$42,000 for 2014 and \$112,000 for 2015.</p> |



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| Direction | Description | Response | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--------------|------|------------------|------|--------------------------------|-------|-------|-------|---|-----|-----|-----|------------------------------|--------------|--------------|--------------|-----|-------|-------|-------|---------|--------------|--------------|--------------|--|--------------|--------------|--------------|
| #5 | The Board notes CW's submissions that the YECL's COLA adjustment is not in keeping with the Alberta Utilities Commission decision discussed at length above. Considering that the findings of the Commission on COLA adjustment are on the same pension plan in question in this proceeding, the Board reduces the COLA adjustment from 100 percent to 50 percent and orders YECL to adjust its defined benefit pension funding requirement forecast accordingly and to reflect these findings in the compliance filing. (Page 32) | <p>As directed, Yukon Electrical has adjusted its defined benefit pension funding forecast for 2013-2015. The updated funding forecast is as follows:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Ref</th> <th style="text-align: center;">2013</th> <th style="text-align: center;">2014 (\$000s)</th> <th style="text-align: center;">2015</th> </tr> </thead> <tbody> <tr> <td>Applied for DB Pension Funding</td> <td align="right">1,268</td> <td align="right">1,268</td> <td align="right">1,268</td> </tr> <tr> <td>Update to 2013 Actual Funding - 50% CPI</td> <td align="right">679</td> <td align="right">594</td> <td align="right">594</td> </tr> <tr> <td>Change in DB Pension Funding</td> <td align="right"><u>(589)</u></td> <td align="right"><u>(674)</u></td> <td align="right"><u>(674)</u></td> </tr> <tr> <td>O&M</td> <td align="right">(383)</td> <td align="right">(431)</td> <td align="right">(431)</td> </tr> <tr> <td>Capital</td> <td align="right"><u>(206)</u></td> <td align="right"><u>(243)</u></td> <td align="right"><u>(243)</u></td> </tr> <tr> <td></td> <td align="right"><u>(589)</u></td> <td align="right"><u>(674)</u></td> <td align="right"><u>(674)</u></td> </tr> </tbody> </table> <p>(1) Per Mercer (Canada) Limited, Yukon Electrical's 2013 defined benefit pension funding for 2013 assuming COLA is equal to 50% of the annual increase in CPI to a maximum of 3% would be \$594,000. However, as outlined in the Updates Filing dated October 31, 2013, Yukon Electrical had two employees transfer lump sum amounts out of the plan in 2013. This resulted in a required transfer deficiency payment of \$84,755 in 2013 which has been included in the funding forecast for 2013. This payment is not expected to re-occur in 2014 or 2015 and has not been included in the forecast for those years.</p> | Ref | 2013 | 2014 (\$000s) | 2015 | Applied for DB Pension Funding | 1,268 | 1,268 | 1,268 | Update to 2013 Actual Funding - 50% CPI | 679 | 594 | 594 | Change in DB Pension Funding | <u>(589)</u> | <u>(674)</u> | <u>(674)</u> | O&M | (383) | (431) | (431) | Capital | <u>(206)</u> | <u>(243)</u> | <u>(243)</u> | | <u>(589)</u> | <u>(674)</u> | <u>(674)</u> |
| Ref | 2013 | 2014 (\$000s) | 2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Applied for DB Pension Funding | 1,268 | 1,268 | 1,268 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Update to 2013 Actual Funding - 50% CPI | 679 | 594 | 594 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Change in DB Pension Funding | <u>(589)</u> | <u>(674)</u> | <u>(674)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O&M | (383) | (431) | (431) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capital | <u>(206)</u> | <u>(243)</u> | <u>(243)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <u>(589)</u> | <u>(674)</u> | <u>(674)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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| Direction | Description | Response |
|-----------|---|---|
| #6 | Accordingly, YECL is not to record FRSR amounts in its depreciation rates. Further, the accumulated amount for net negative salvage is to be shown as a liability and reduced as salvage costs are incurred. YECL is to inform the Board and interested parties when the balance for this liability account reaches \$2 million. (Page 44) | The FRSR has been removed from depreciation rates. As outlined in Attachments 1 through 3, the impact on depreciation for each test year is as follows: 2013 – (\$1,966,000) 2014 – (\$2,092,000) 2015 – (\$2,319,000) |
| #7 | Given that a change to the lifespan analysis does not bring any more certainty to the estimate for depreciation expense, that the amounts are immaterial, and that any early retirement values should be considered when an alternative to an existing asset is being contemplated, the Board rejects the use of lifespan analyses as proposed by YECL and directs YECL to revert to the previous depreciation method for diesel generation when it provides its compliance filing. (Page 46) | As directed, Yukon Electrical has reverted to the previously approved group methodology for the depreciation of diesel generation, resulting in a change in depreciation parameters and amortization of differences for this category of assets. As well, Yukon Electrical has updated the depreciation rates for 2013 through 2015 based on the approved depreciation parameters and the updated forecast of approved Capital Additions. |



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| Direction | Description | Response | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|--|--------|--------|--------|--------|--|------|--|-------------|--------|-------|--------|-------|--------|-------|---------------|--------|-------|--------|-------|--------|-------|--|--------|--------|--------|--------|--------|--------|
| #8 | The Board directs YECL in its compliance filing to use an ROE of 8.75 percent, an ROE equal to that for the BCUC GCOC benchmark utility. (Page 51) | As per Revised Schedule 8.1, lines 28, 33 and 38, the ROE for each of the test years has been adjusted to 8.75%. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| #9 | The Board directs YECL to use an equity thickness that is equal to that awarded to YEC - 40%. (Page 54) | <p>As per Revised Schedule 8.1, the equity ratio for each of the test years has been revised to 40% as follows:</p> <table border="1" data-bbox="919 706 1816 862"> <thead> <tr> <th></th> <th colspan="2">2013</th> <th colspan="2">2014</th> <th colspan="2">2015</th> </tr> </thead> <tbody> <tr> <td>Debt</td> <td>43,500</td> <td>60.0%</td> <td>51,000</td> <td>60.0%</td> <td>56,400</td> <td>60.0%</td> </tr> <tr> <td>Equity</td> <td>29,000</td> <td>40.0%</td> <td>34,000</td> <td>40.0%</td> <td>37,600</td> <td>40.0%</td> </tr> <tr> <td></td> <td>72,500</td> <td>100.0%</td> <td>85,000</td> <td>100.0%</td> <td>94,000</td> <td>100.0%</td> </tr> </tbody> </table> | | 2013 | | 2014 | | 2015 | | Debt | 43,500 | 60.0% | 51,000 | 60.0% | 56,400 | 60.0% | Equity | 29,000 | 40.0% | 34,000 | 40.0% | 37,600 | 40.0% | | 72,500 | 100.0% | 85,000 | 100.0% | 94,000 | 100.0% |
| | 2013 | | 2014 | | 2015 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Debt | 43,500 | 60.0% | 51,000 | 60.0% | 56,400 | 60.0% | | | | | | | | | | | | | | | | | | | | | | | | |
| Equity | 29,000 | 40.0% | 34,000 | 40.0% | 37,600 | 40.0% | | | | | | | | | | | | | | | | | | | | | | | | |
| | 72,500 | 100.0% | 85,000 | 100.0% | 94,000 | 100.0% | | | | | | | | | | | | | | | | | | | | | | | | |
| #10 | <p>For 2013, the Board directs YECL to use 4.761% as its cost of debt in its compliance filing. (Page 56)</p> <p>The Board directs YECL to use 5.08% for its cost of debt for 2014 and 2015. (Page 57)</p> | As per Revised Schedule 8.3, the debt rates for debt issues in the test period have been adjusted as directed by the Board. The updated cost of debt for each year flows into Revised Schedule 8.1, lines 27, 32 and 37, respectively. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| #11 | The Board directs that all Watson Lake bi-fuel project study costs to date be held in WIP until such time as the project may be completed. (Page 61) | As per Revised Schedule 8.8, the study costs related to the bi-fuel project are no longer included in mid-year rate base. As a result, amortization of the study costs for the test period has been eliminated. As the study costs are now being held in WIP, AFUDC has been recorded on the costs for each test year. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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| Direction | Description | Response |
|-----------|---|---|
| #12 | The Board directs YECL in its compliance filing to remove all AMR project-related costs from rate base. (Page 76) | <p>Yukon Electrical has removed the capital of \$1,580,000 and \$2,283,000 for 2014 and 2015 related to the conversion to AMR from rate base.</p> <p>As outlined in Business Case #27 for the AMR project filed with the Application, Yukon Electrical is required to do a large number of meter changes in 2014 and 2015 due to changes in Measurement Canada regulations that take effect January 1, 2014. The meters forecast to be replaced will no longer be replaced with AMR meters, but they will still be required to be replaced with new conventional meters. Yukon Electrical has added capital of \$154,000 for 2014 and \$157,000 for 2015 (page 5 of 11 of Attachment 1 of Business Case #27) for new conventional meters as a result of Measurement Canada required meter changes.</p> <p>Please refer to Attachment 5 for the impact on Total Capital Expenditures (Revised Schedule 9.1, line 31) and Capital Additions to Rate Base (Revised Schedule 9.1, line 33) as a result of the removal of this project. These adjustments to Capital Additions have reduced depreciation expense by \$53,000 in 2014 and \$169,000 in 2015.</p> <p>As well, Yukon Electrical forecast in its original Application the elimination of a Meter Reader position in 2015 as a result of the conversion to AMR (with a second position to be eliminated in 2016). As the AMR project is not going ahead, Yukon Electrical has not eliminated the Meter Reader position in 2015.</p> |
| #13 | The Board directs YECL to reflect the removal of all Watson Lake bi-fuel project-related costs from its proposed capital additions. (Page 82) | <p>Yukon Electrical has removed the \$735,000 of capital related to the bi-fuel project from capital for 2014, as well as the O&M costs related to storage and vaporization of \$88,000 for 2014 and \$264,000 for 2015. Please refer to Attachment 5 for the impact on Total Capital Expenditures (Revised Schedule 9.1, line 31) and Capital Additions to Rate Base (Revised Schedule 9.1, line 33) as a result of the removal of this project.</p> <p>This adjustment to Capital Additions has reduced depreciation expense by \$13,000 in 2014 and \$28,000 in 2015.</p> |



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| Direction | Description | Response |
|-----------|---|---|
| #14 | The Board directs YECL in its refiling to reflect the removal of the proposed Carcross diesel unit from its proposed capital additions. (Page 84) | Yukon Electrical has removed the \$3,000,000 of capital related to the Carcross diesel unit from capital for 2015. Please refer to Attachment 5 for the impact on Total Capital Expenditures (Revised Schedule 9.1, line 31) and Capital Additions to Rate Base (Revised Schedule 9.1, line 33) as a result of the removal of this project. This adjustment to Capital Additions has reduced depreciation expense by \$56,000 in 2015. |



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Responses to Board Directions - DSM

| Direction | Description | Response |
|-----------|---|---|
| DSM #1 | <p>The Board has ordered the Utilities to reduce the DSM program by excluding the government and commercial sectors of the filed DSM program. The Board further ordered the exclusion of any program that did not pass all four cost-effectiveness measures for 2014 and 2015.</p> <p>The Board orders YECL to provide a revised budget for DSM programming in 2014 and 2015 based on the approved program elements. (Page 101)</p> <p>Since the Board has ordered a substantial reduction in the scope of the DSM program, the Board orders the Utilities to reduce the amount of DSM-related administration and overhead costs, communication and engagement costs, and staffing costs, on a pro-rata basis with the new DSM budget. (Page 101)</p> | <p>As ordered, the Utilities have removed all General Service Programs and the Residential New-construction CCHP and GSHP Initiative which are not projected to achieve a RIM ratio of one after five years of program delivery, and kept the LED Lighting and Automotive Heater Timer Rebate Program and the Low-cost Energy Efficiency Products Program, which are projected to achieve a RIM ratio of one after five years of the program. It is critical to note that the programs remaining will not achieve a RIM ratio of one after the end of 2015; however, they will achieve a RIM ratio of one after the programs have been conducted for five years. To ensure the programs are on track to meet the five year cost-effectiveness targets the Utilities will measure and report on costs, electricity savings and key performance indicators (KPIs) annually. It is not reasonable to assume, nor expect, that the programs will meet the projected cost-effectiveness targets at the end of 2015 as costs related to program start-up will distort the calculations. It should also be noted that consumers will require a take-up period before electricity savings will be realized and calculated. Costs related to this initial period include preparing the infrastructure to deliver and track incentives, educating the retail market, informing the customers of the program elements and delivering the program to customers.</p> <p>Please refer to DSM Attachment 1 for the revised budget for DSM for 2014 and 2015. As discussed above, the New-construction CCHP and GSHP Initiative was removed from the residential program package. As this program represented 9.2% of the total approved programs, the Engagement, Education and Communication program was pro-rated by this factor to reflect the removal of this program.</p> |



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| Direction | Description | Response |
|-----------|--|--|
| DSM #2 | YECL is also to provide to the Board a schedule outlining the targets — i.e. key performance indicators — for the approved DSM program elements for each of 2014 and 2015. (Page 101) | Please refer to DSM Attachment 2 for details of the targets. |
| DSM #3 | <p>The Board orders the Utilities to reduce the amount of costs for 2011, 2012 and 2013 not related to the “development of the plan or the policy paper” on a pro-rata basis with the new DSM budget. (Page 101)</p> <p>The Board orders YECL to capitalize the approved amounts for 2011, 2012, and 2013 and to amortize these costs over the 2014 to 2018 period. (Page 101)</p> | <p>Please refer to DSM Attachment 1 for the revised DSM costs for 2011-2013.</p> <p>As ordered, the total approved costs for 2011-2013 of \$389,000 are being amortized at a rate of 20% per year beginning in 2014. Please refer to Revised Schedule 7.3 and Revised Schedule 7.4 for the updated depreciation for 2014 and 2015.</p> |
| DSM #4 | The Board orders YECL to track all DSM programming costs occurring in 2014 and 2015 in a deferral account and to apply for recovery of these costs in its next GRA. (Page 101) | Yukon Electrical has removed the DSM costs for 2014 and 2015 from Capital (Revised Schedule 9.1), and moved them to a deferral account (Revised Schedule 8.8). |



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| Direction | Description | Response |
|-----------|---|--|
| DSM #5 | The Board directs YECL to quantitatively provide the load reduction in GWh related to DSM for each of the years 2014 and 2015 by rate class that has been incorporated in YECL's load forecast and to explain and quantify the changes to the load forecast based on the determinations of the Board regarding DSM. | Please refer to Attachment 4 to this compliance filing for the changes to the load forecast as a result of the modifications to the DSM program. |



RIDER R
YECL RATE ADJUSTMENT RIDER

- AVAILABLE:** To all electric service throughout the Yukon Territory.
- APPLICABLE:** To all classes of service except Rate Schedule 32, Rate Schedule 42 and Rate Schedule 43.
- RATE:** A surcharge of 4.77% applicable to base rates.

RIDER R
YECL RATE ADJUSTMENT RIDER

- AVAILABLE:** To all electric service throughout the Yukon Territory.
- APPLICABLE:** To all classes of service except Rate Schedule 32, Rate Schedule 42 and Rate Schedule 43.
- RATE:** A surcharge of 7.20% applicable to base rates.

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Utility Revenue Requirement
(\$000s)

| Line No. | As Filed | Updates Filing | YUB Directions | | | | | | | | | | | | | | | Refiling Update | | |
|---|----------|----------------|----------------|---------------|-----------------------|---------------|------------|---------|--------------------|-----------|----------------------|------------|-------------|-------------------------|---------------------|------------------|--------------------|-----------------|---------|--|
| | | | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 | #11 | #12 | #13 | #14 | DSM #1 | | DSM #3 | |
| | 2014 | 2014 | Sales Forecast | WHCT Forecast | Fish Lake Purch Power | FTE Reduction | DB Pension | FRSR | Depreciation Rates | 8.75% ROE | 40% Equity Thickness | Debt Rates | Study Costs | Automated Meter Reading | Watson Lake Bi-Fuel | Carcross Standby | 2014-2015 Forecast | 2011-2013 Costs | 2014 | |
| Revenues | | | | | | | | | | | | | | | | | | | | |
| 8 Retail Revenues | 57,458 | 56,257 | 700 | (407) | 653 | 4 | (378) | (2,717) | 5 | (223) | (314) | 38 | (50) | (74) | (127) | - | 68 | 38 | 53,473 | |
| 9 Other Revenue | 1,250 | 1,250 | | | | | | | | | | | | | | | | | 1,250 | |
| 10 Total Revenues | 58,707 | 57,506 | 700 | (407) | 653 | 4 | (378) | (2,717) | 5 | (223) | (314) | 38 | (50) | (74) | (127) | - | 68 | 38 | 54,722 | |
| Costs | | | | | | | | | | | | | | | | | | | | |
| 13 Purchase Power | 26,472 | 25,773 | 700 | (407) | | | | | | | | | | | | | | | 26,066 | |
| 14 Fuel | 6,701 | 6,701 | | | | | | | | | | | | | | | | | 6,701 | |
| 15 Operations and Maintenance | 12,319 | 11,918 | | | 494 | (11) | (431) | | | | | | | | (88) | | | | 11,882 | |
| 16 Property Taxes | 265 | 265 | | | | | | | | | | | | | | | | | 265 | |
| 17 Depreciation | 7,509 | 7,499 | | | (37) | - | (8) | (2,092) | (48) | | | | | (53) | (13) | | (26) | 30 | 5,252 | |
| 18 Amortization of Contributions | (1,557) | (1,557) | | | | | | | | | | | | | | | | | (1,557) | |
| 19 Amortization of Deferred Charges & Credits | 40 | 40 | | | | | | | | | | | (22) | | | | | | 18 | |
| 20 Return on Rate Base | 6,255 | 6,179 | | | (51) | (2) | (23) | 219 | 17 | (156) | (180) | 38 | (15) | (51) | (26) | | (9) | (4) | 5,936 | |
| 21 Income Taxes | 704 | 689 | | | 247 | 17 | 84 | (844) | 36 | (67) | (134) | | (13) | 30 | - | | 103 | 12 | 160 | |
| 22 Total Costs | 58,707 | 57,506 | 700 | (407) | 653 | 4 | (378) | (2,717) | 5 | (223) | (314) | 38 | (50) | (74) | (127) | - | 68 | 38 | 54,722 | |

The Yukon Electrical Company Limited
2013-2015 General Rate Application
Refiling Updates to Sales and Purchase Power

| Line No. | | Ref | 2013 | 2014 | 2015 | |
|--|---|------------------------------|---------|---------|---------|--|
| Board Direction #1 - Adjust 2014-2015 Residential and Commercial Sales Forecast | | | | | | |
| 1 | Residential Sales (MWh) | | | | | |
| 2 | Forecast per Updates Filing October 31, 2013 | Updates Filing, Attachment 1 | 148,010 | 150,531 | 153,101 | |
| 3 | Adjust 2014-2015 Forecast to Original Forecast Per Application | | | 3,849 | 3,922 | |
| 4 | | Application, Sch 2.1, L.3 | 148,010 | 154,381 | 157,023 | |
| 5 | Adjust Sales Forecast Based on Updated DSM Program (1) | | - | 3 | 9 | |
| 6 | Updated Forecast | Revised Sch 2.1, L.3 | 148,010 | 154,384 | 157,032 | |
| 7 | Year-Over-Year % Growth | | | 4.3% | 1.7% | |
| 8 | | | | | | |
| 9 | Commercial Sales | | | | | |
| 10 | Forecast per Updates Filing October 31, 2013 (MWh) | Updates Filing, Attachment 1 | 157,606 | 161,011 | 164,329 | |
| 11 | Adjust 2014-2015 Forecast to Original Forecast Per Application | | | 4,084 | 4,219 | |
| 12 | | Application, Sch 2.1, L.9 | 157,606 | 165,095 | 168,549 | |
| 13 | Adjust Sales Forecast Based on Updated DSM Program (2) | | - | 11 | 305 | |
| 14 | Updated Forecast | Revised Sch 2.1, L.9 | 157,606 | 165,106 | 168,853 | |
| 15 | Year-Over-Year % Growth | | | 4.8% | 2.3% | |
| 16 | | | | | | |
| 17 | Impact on Purchase Power | | | | | |
| 18 | Total Change in Forecast Sales (MWh) | L.3 + L.5 + L.11 + L.13 | - | 7,948 | 8,455 | |
| 19 | Losses | Application, Sch 3.2, L.4 | 6.2% | 6.2% | 6.2% | |
| 20 | Change in Purchases (MWh) | L. 18 x (1 + L.19) | - | 8,440 | 8,979 | |
| 21 | Purchase Power Rate (\$ per kWh) | Application, Sch 3.1, L.6 | 0.0830 | 0.0830 | 0.0830 | |
| 22 | | L. 20 x L. 21 | - | 700 | 745 | |
| 23 | | | | | | |
| 24 | (1) DSM Impact on Residential Load Forecast (WL-YECL-8(a) Attachment 1) | | | (88) | (402) | |
| 25 | Adjustment | | | 3 | 9 | |
| 26 | Updated DSM Impact on Residential Load Forecast | | | (85) | (393) | |
| 27 | | | | | | |
| 28 | The adjustment is a result of the removal of the New-construction CCHP and GSHP Initiative from the residential DSM program, as that program did not achieve a RIM ratio of one after five years. | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | (2) DSM Impact on Commercial Load Forecast (WL-YECL-8(a) Attachment 1) | | | (11) | (305) | |
| 32 | Adjustment | | | 11 | 305 | |
| 33 | Updated DSM Impact on Commercial Load Forecast | | | - | - | |
| 34 | | | | | | |
| 35 | The adjustment is a result of the exclusion of the commercial sector from the DSM program. | | | | | |
| 36 | | | | | | |
| 37 | Board Direction #2 - Update WHCT Sales Forecast | | | | | |
| 38 | | | | | | |
| 39 | Industrial Sales | | | | | |
| 40 | Forecast per Updates Filing October 31, 2013 (MWh) | | 1,025 | 4,620 | 4,620 | |
| 41 | Update Forecast | | (1,025) | (4,620) | (4,620) | |
| 42 | Updated Forecast | | - | - | - | |
| 43 | | | | | | |
| 44 | Impact on Purchase Power | | | | | |
| 45 | Total Change in Forecast Sales (MWh) | | (1,025) | (4,620) | (4,620) | |
| 46 | Losses | Application, Sch 3.2, L.4 | 6.2% | 6.2% | 6.2% | |
| 47 | Change in Purchases (MWh) | L. 45 x (1 + L.46) | (1,088) | (4,906) | (4,906) | |
| 48 | Purchase Power Rate (\$ per kWh) | Application, Sch 3.1, L.6 | 0.0830 | 0.0830 | 0.0830 | |
| 49 | | L. 47 x L. 48 | (90) | (407) | (407) | |

The Yukon Electrical Company Limited
2013-2015 General Rate Application
Refiling Updates to Capital Expenditures and Capital Additions (Schedule 9.1)

| Line No. | Description | 2013 | 2014 (\$000s) | 2015 |
|----------|---------------------------------------|---------------|------------------|---------------|
| 1 | Capital Expenditures | | | |
| 2 | Per Updates Filing October 31, 2013 | 19,894 | 22,660 | 20,696 |
| 3 | Refiling Adjustments: | | | |
| 4 | #3 - Fish Lake Purchase Power | (369) | - | - |
| 5 | #4 - Reduction of FTEs | - | (42) | (112) |
| 6 | #5 - DB Pension | (206) | (243) | (243) |
| 7 | #12 - Automated Meter Reading | - | (1,580) | (2,283) |
| 8 | #12 - Automated Meter Reading | - | 154 | 157 |
| 9 | #13 - Watson Lake Bi-Fuel | - | (735) | - |
| 10 | #14 - Carcross Standby | - | - | (3,000) |
| 11 | DSM #1 - 2014-2015 Forecast | - | (522) | (730) |
| 12 | DSM #3 - 2011-2013 Costs | (60) | - | - |
| 13 | Refiling Update | <u>19,259</u> | <u>19,692</u> | <u>14,484</u> |
| 14 | | | | |
| 15 | | | | |
| 16 | Capital Additions to Rate Base | | | |
| 17 | Per Updates Filing October 31, 2013 | 21,574 | 23,260 | 20,696 |
| 18 | Refiling Adjustments: | | | |
| 19 | #3 - Fish Lake Purchase Power | (1,484) | - | - |
| 20 | #4 - Reduction of FTEs | - | (42) | (112) |
| 21 | #5 - DB Pension | (206) | (243) | (243) |
| 22 | #12 - Automated Meter Reading | - | (1,580) | (2,283) |
| 23 | #12 - Automated Meter Reading | - | 154 | 157 |
| 24 | #13 - Watson Lake Bi-Fuel | - | (735) | - |
| 25 | #14 - Carcross Standby | - | - | (3,000) |
| 26 | DSM #1 - 2014-2015 Forecast | - | (522) | (730) |
| 27 | DSM #3 - 2011-2013 Costs | (93) | - | - |
| 28 | Refiling Update | <u>19,792</u> | <u>20,292</u> | <u>14,484</u> |

The Yukon Electrical Company Limited
2013-2015 General Rate Application
Refiling Updates to Demand Side Management Costs

| Line No. | Revised Budget for DSM for 2014 and 2015 (\$000s) | 2014 | | 2015 | | Total | |
|----------|---|------------|------------|------------|------------|------------|------------|
| | | As Filed | Approved | As Filed | Approved | As Filed | Approved |
| 1 | Joint YECL/YEC DSM Programming Costs (100%) | | | | | | |
| 2 | <u>General Service Programs</u> | | | | | | |
| 3 | Lighting Redesign & Equipment Incentive | 88 | - | 213 | - | - | - |
| 4 | Energy Star Computer Incentive | 41 | - | 88 | - | - | - |
| 5 | High-Efficiency Refrigeration | 36 | - | 100 | - | - | - |
| 6 | New Construction Incentive | 28 | - | 15 | - | - | - |
| 7 | Engagement, Training and Communication | 202 | - | 290 | - | - | - |
| 8 | | <u>395</u> | <u>-</u> | <u>706</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| 9 | <u>Residential Programs</u> | | | | | | |
| 10 | Engagement, Education and Communication | 113 | 103 | 130 | 118 | 221 | 221 |
| 11 | LED Lighting & Auto Heater Timers | 94 | 94 | 135 | 135 | 229 | 229 |
| 12 | Promotion of Low-Cost EE Products | 199 | 199 | 227 | 227 | 426 | 426 |
| 13 | New-construction CCHP and GSHP Initiative | 23 | - | 43 | - | - | - |
| 14 | | <u>429</u> | <u>396</u> | <u>535</u> | <u>480</u> | <u>876</u> | <u>876</u> |
| 15 | | | | | | | |
| 16 | Yukon Electrical Share of Joint Programming Costs (50%) | 412 | 198 | 620 | 240 | 438 | 438 |
| 17 | | | | | | | |
| 18 | Yukon Electrical Expenses (outside of the DSM Program Portfolio) (1) | | | | | | |
| 19 | DSM Administrator | 93 | 45 | 93 | 36 | 81 | 81 |
| 20 | Staff Training | 17 | 8 | 17 | 7 | 15 | 15 |
| 21 | Yukon Electrical Expenses | 110 | 53 | 110 | 43 | 95 | 95 |
| 22 | | | | | | | |
| 23 | TOTAL DSM BUDGET | 522 | 251 | 730 | 283 | 533 | 533 |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | Revised DSM Costs for 2011-2013 (\$000s) | | | | | | |
| 27 | | | | | | | |
| 28 | Development of the Plan or Policy Paper | | | | | | |
| 29 | CPR Study | 87 | 87 | | | | |
| 30 | Data Request for CPR Study | 3 | 3 | | | | |
| 31 | One Change Community Engagement | 63 | 63 | 41 | 41 | | |
| 32 | EM&V Data Preparation | | | 19 | 19 | | |
| 33 | Program Design | | | 75 | 75 | | |
| 34 | Program Implementation / EM&V Development | | | | | 30 | 30 |
| 35 | | <u>153</u> | <u>153</u> | <u>135</u> | <u>135</u> | <u>30</u> | <u>30</u> |
| 36 | | | | | | | |
| 37 | Costs Not Related to the Development of the Plan or Policy Paper (2) | | | | | | |
| 38 | Dollars to Sense Workshop | 5 | 2 | 2 | 1 | | |
| 39 | Energy Block Feasibility | 42 | 18 | | | 20 | 8 |
| 40 | LED Street Light Pilot | | | 2 | 1 | 1 | 1 |
| 41 | DSM Administrator | | | | | 47 | 20 |
| 42 | First Nation Energy Summit | | | | | 1 | 1 |
| 43 | Staff Training | 4 | 2 | | | 15 | 6 |
| 44 | Launch Contractor | | | | | 20 | 8 |
| 45 | Communication & Engagement | | | 4 | 3 | | |
| 46 | | <u>51</u> | <u>22</u> | <u>8</u> | <u>4</u> | <u>105</u> | <u>45</u> |
| 47 | | | | | | | |
| 48 | TOTAL COSTS | 204 | 175 | 143 | 139 | 135 | 75 |
| 49 | | | | | | | |

(1) Reduced on a pro-rata basis for each year based on the reduction in Joint DSM Programming costs for the year.

(2) Reduced on a pro-rata basis for each year based on the reduction in Joint DSM Programming costs for 2014-2015.

Framework for the Residential LED Lighting and Automotive Heater Timer Rebates

| Link # | Narrative | Performance Indicator | Sources | Target Year 1 | Target Year 2 |
|--|--|--|--|---------------|---------------|
| Part A -- Visited Regularly as Part of Tracking and Performance Reporting – Key Performance Indicators (KPIs) | | | | | |
| 00 | Externalities | No associated tracked KPIs | - | - | - |
| 06 | Scorecard results will be analyzed and provided to store managers | Suggested KPI(s): # of scorecards received EE products that can be endorsed by the Utilities are reviewed and identified (Yes/No) | Direct engagement & communication logs | 10 Yes | 5 Yes |
| 08 | Utilities support EE workshops hosted by EE ambassadors | Suggested KPI(s): # workshops # people attending workshops | Program documentation | 0 8 | 2 8 |
| 11 | Direct engagement with retail store managers | Suggested KPI(s): # of new store managers being engaged with for the 1st time # of store managers contacted with program intel & updates | Direct engagement & communication logs | 20 20 | - 20 |
| 13 | Utilities issue point of purchase materials for retail managers | Suggested KPI(s): # stores with POP materials POP materials issued for all rebate-eligible products and refreshed as needed (Yes/No) | Program documentation | 5 n/a | 10 Yes |
| 14 & 23 | Shoppers buy and install rebate-eligible products¹ | Suggested KPI(s): # of units claimed + estimated 30% “spillover” ² | Tracking System | 1019 | 4439 |

¹ Refer to the Program Design Report Exhibit 70 (they do not include the estimated spillover)

² This is one way to extrapolate the total number of shoppers influenced by the program (including those that purchased and installed rebate-eligible products without claiming a rebate).

| Link # | Narrative | Performance Indicator | Sources | Target Year 1 | Target Year 2 |
|---|---|---|---------------------------|-----------------|----------------|
| 24 | The LED lighting and automotive heater timer installations will yield long-term electricity and demand savings³ | MWh of avoided lifetime electricity consumption | Estimate based on rebates | 718 | 3149 |
| | | MWh of avoided annual electricity consumption | processed + spillover | 36 | 199 |
| | | MW of avoided coincident electricity demand | | 13 | 71 |
| 21 & 25 | Participants receive a rebate⁴ | \$ of incentive disbursement for LED lighting and automotive heater timers | Tracking System | \$12K | \$51K |
| 22 | Shoppers learn about rebates through local media campaigns | # updates of web content | Tracking System | 1 | 4 |
| | | # newspaper/radio advertisements | | 1 | 1 |
| | | # bill insert | | 1 | 1 |
| | | # email blasts | | 1 | 1 |
| 26 | Participating shoppers will be satisfied by the products that they bought | Suggested KPI(s): % of rebates processed in time to show up on next utility bill (if applications comes in 10 business days before issuance of bill) | Tracking System | 70% | 80% |
| 27 | Word-of-mouth | No associated tracked KPIs | - | - | - |
| 28 | Non-energy benefits | No associated tracked KPIs | - | - | - |
| Part B -- To Be Visited, Checked and Reported On by Evaluators | | | Baseline ↓ | Process Eval. ↓ | Impact Eval. ↓ |
| 00 | Externalities | Done/Not-Done – report on externalities on a yearly basis | Program documentation | Done | Done |

³ Refer to the Program Design Report Exhibit 72

⁴ Refer to the Program Design Report Exhibit 71

Framework for the Residential Promotion of Low-Cost Energy Efficient Products

| Link # | Narrative | Performance Indicator | Sources | Target Year 1 | Target Year 2 |
|--|---|---|--|---------------|---------------|
| Part A -- Visited Regularly as Part of Tracking and Performance Reporting – Key Performance Indicators (KPIs) | | | | | |
| 00 | Externalities | No associated tracked KPIs | - | - | - |
| 01 | Utilities advertise their request for EE ambassadors | Suggested KPI(s): # updates of web content # press releases # bill insert | Program documentation | 2 2 2 | 1 1 1 |
| 02 | Utilities conduct outreach activities at community events⁵ | Suggested KPI(s): # of events w/Program booth # of units of free products given away | Program documentation | 2 522 | 4 627 |
| 03 | Utilities build an EE community network | Suggested KPI(s): # of EE ambassadors | Program documentation | 10 | 15 |
| 04 | EE ambassadors test low-cost EE products²² | Suggested KPI(s): # of units of free products provided | Program documentation | 20 | 45 |
| 06 | Scorecard results will be analyzed | Suggested KPI(s): # of scorecards received EE products that can be endorsed by the Utilities are reviewed and identified (Yes/No) | Direct engagement & communication logs | 10 Yes | 5 Yes |
| 08 | Utilities support EE workshops hosted by EE ambassadors | Suggested KPI(s): # workshops # people attending workshops | Program documentation | 0 8 | 2 8 |
| 10 | Utilities' community engagement leads to 'behavior-based' electricity and demand savings | No associated tracked KPIs | - | - | - |
| 14 & 19 | Shoppers buy and install low-cost EE products | No associated tracked KPIs | - | - | - |

⁵ Refer to the Program Design Report Exhibit 77 (Measures referred to as "Pilot")

| Link # | Narrative | Performance Indicator | Sources | Target Year 1 | Target Year 2 |
|---|--|---|--|-------------------|--------------------|
| 20 | The low-cost EE products will yield long-term electricity and demand savings (free products given away to increase the sales) | MWh of avoided lifetime electricity consumption MWh of avoided annual electricity consumption MW of avoided coincident electricity demand | Estimate based on free products provided | 1,064 91 32 | 1,667 237 84 |
| 26 | Participants will be satisfied by the low-cost EE products | Suggested KPI(s): Scorecard feedback 1-to-10 scale, level of satisfaction with the products | Tracking System | 7/10 | 7/10 |
| 05 & 27 | Word-of-mouth | No associated tracked KPIs | - | - | - |
| 28 | Non-energy benefits | No associated tracked KPIs | - | - | - |
| Part B -- To Be Visited, Checked and Reported On by Evaluators | | | Baseline ↓ | Process Eval. ↓ | Impact Eval. ↓ |
| 00 | Externalities | Done/Not-Done – report on externalities on a yearly basis | Program documentation | Done | Done |
| 01 | Utilities advertise their request for EE ambassadors | Suggested indicator(s): % EE ambassadors that heard about the opportunity through media / email / bill insert | EE ambassadors | | |
| 02 | Utilities conduct outreach activities at community events | No evaluation indicator | - | | |
| 03 | Utilities build an EE community network | Suggested indicator(s): 1-to-10 scale, level of satisfaction with the EE ambassador network | EE ambassadors | | |
| 04 | EE ambassadors test low-cost EE products | No evaluation indicator | - | | |
| 06 | Scorecard results will be analyzed | Suggested indicator(s): % of issued score cards that are completed and returned | Program documentation | | |
| 08 | Utilities support EE workshops hosted by EE ambassadors | Suggested indicator(s): 1-to-10 scale, level of satisfaction with the workshop on average | Attendees | | |

| Link # | Narrative | Performance Indicator | Sources | Target Year 1 | Target Year 2 |
|---------|--|--|--|---------------|---------------|
| 14 & 19 | Shoppers buy and install low-cost EE products⁶ | Suggested indicator(s): # units sold | Retail store sales info (if available) | 425 | 1,089 |
| 20 | The low-cost EE products will yield long-term electricity and demand savings (increased sales achieved through education) | KPIs to be verified by evaluators. Suggested indicator(s): MWh of avoided lifetime electricity consumption MWh of avoided annual electricity consumption MW of avoided coincident electricity demand | Retail store sales info (if available) | 785 | 2,302 |
| | | | | 78 | 306 |
| | | | | 28 | 109 |

⁶ Refer to the Program Design Report Exhibit 78 (Measures referred to as “Ed.”)

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Utility Revenue Requirement
(\$000s)

Revised Schedule 1.1

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|--|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------------|-------------------|
| | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | Revenues | | | | | | | | | | | |
| 2 | Retail Revenues | S.2.1 L.51 | 44,824 | 42,725 | 44,555 | 45,884 | 49,923 | 49,812 | 53,473 | 55,183 | 44,021 | 44,437 |
| 3 | Other Revenue | S.2.2 L.6 | 902 | 909 | 1,010 | 1,099 | 1,252 | 1,277 | 1,250 | 1,275 | 810 | 827 |
| 4 | Total Revenues | | <u>45,726</u> | <u>43,634</u> | <u>45,565</u> | <u>46,983</u> | <u>51,175</u> | <u>51,089</u> | <u>54,722</u> | <u>56,458</u> | <u>44,831</u> | <u>45,264</u> |
| 5 | | | | | | | | | | | | |
| 6 | Costs | | | | | | | | | | | |
| 7 | Purchase Power | S.3.1 L.14 | 24,157 | 23,211 | 23,462 | 24,093 | 26,923 | 24,858 | 26,066 | 26,634 | 24,121 | 23,841 |
| 8 | Fuel | S.4.1 L.6 | 6,603 | 3,758 | 5,146 | 5,539 | 5,637 | 6,611 | 6,701 | 6,704 | 5,829 | 5,397 |
| 9 | Operations and Maintenance | S.5.1 L.49 | 8,593 | 9,474 | 9,625 | 9,799 | 11,059 | 11,604 | 11,882 | 11,944 | 8,644 | 8,826 |
| 11 | Property Taxes | Page 6-1 | 231 | 239 | 230 | 235 | 250 | 257 | 265 | 273 | 244 | 254 |
| 12 | Depreciation | S.7.1 L.4 | 3,181 | 3,446 | 3,683 | 4,129 | 4,192 | 4,520 | 5,252 | 5,778 | 3,354 | 3,661 |
| 13 | Amortization of Contributions | S.8.12 L.8 | (980) | (1,133) | (1,221) | (1,289) | (1,371) | (1,444) | (1,557) | (1,749) | (963) | (1,028) |
| 14 | Amortization of Deferred Charges & Credits | S.8.8 L.10 | 871 | 438 | 291 | 150 | 150 | 18 | 18 | 17 | 427 | 427 |
| | | S.8.1 L.5, 10, 15, 20, 25, | | | | | | | | | | |
| 15 | Return on Rate Base | 30, 35, 40, 45, 50 | 3,163 | 4,191 | 4,071 | 4,266 | 4,642 | 5,080 | 5,936 | 6,545 | 3,519 | 3,675 |
| 16 | Income Taxes | S.10.1 L.31 | (94) | 10 | 278 | 61 | (307) | (416) | 160 | 313 | (344) | 211 |
| 17 | Total Costs | | <u>45,726</u> | <u>43,634</u> | <u>45,565</u> | <u>46,983</u> | <u>51,175</u> | <u>51,089</u> | <u>54,722</u> | <u>56,458</u> | <u>44,831</u> | <u>45,264</u> |

The Yukon Electrical Company Limited
 2013 - 2015 General Rate Application
 Summary of Customers, Energy Sales and Revenue

Revised Schedule 2.1

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | | | | | | | | | | |
|----------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|---------|---------|
| | | | | | | | | 2013 | | 2014 | | 2015 | | 2008 | | 2009 | | | | |
| | | | | | | | | Existing | Proposed | Existing | Proposed | Existing | Proposed | Existing | Approved | Existing | Approved | | | |
| 1 | Residential | | | | | | | | | | | | | | | | | | | |
| 2 | Customers (average during year) | | 12,715 | 12,943 | 13,169 | 13,482 | 13,857 | 14,192 | | 14,401 | | 14,647 | | 12,693 | | | | | | 12,908 |
| 3 | Sales in MWh | | 128,302 | 130,569 | 131,273 | 141,696 | 150,350 | 148,010 | | 154,384 | | 157,032 | | 126,441 | | | | | | 128,615 |
| 4 | MWh sales per customer | | 10.09 | 10.09 | 9.97 | 10.51 | 10.85 | 10.43 | | 10.72 | | 10.72 | | 9.96 | | | | | | 9.96 |
| 5 | Revenue (\$000s) | | 16,671 | 16,307 | 16,892 | 18,928 | 21,127 | 20,765 | | 21,657 | | 22,029 | | 14,528 | | | | | | 14,775 |
| 6 | Cents per kWh | | 12.99 | 12.49 | 12.87 | 13.36 | 14.05 | 14.03 | | 14.03 | | 14.03 | | 11.49 | | | | | | 11.49 |
| 7 | Commercial | | | | | | | | | | | | | | | | | | | |
| 8 | Customers (average during year) | | 2,600 | 2,630 | 2,692 | 2,774 | 2,841 | 2,922 | | 2,903 | | 2,948 | | 2,599 | | | | | | 2,629 |
| 9 | Sales in MWh | | 141,704 | 142,076 | 145,776 | 150,591 | 159,562 | 157,606 | | 165,106 | | 168,853 | | 144,701 | | | | | | 145,365 |
| 10 | MWh sales per customer | | 54.50 | 54.02 | 54.15 | 54.29 | 56.16 | 53.94 | | 56.87 | | 57.28 | | 55.67 | | | | | | 55.29 |
| 11 | Revenue (\$000s) | | 20,818 | 20,368 | 21,621 | 23,374 | 26,057 | 25,753 | | 27,016 | | 27,652 | | 18,918 | | | | | | 19,004 |
| 12 | Cents per kWh | | 14.69 | 14.34 | 14.83 | 15.52 | 16.33 | 16.34 | | 16.36 | | 16.38 | | 13.07 | | | | | | 13.07 |
| 13 | Industrial | | | | | | | | | | | | | | | | | | | |
| 14 | Customers (average during year) | | - | - | - | - | - | - | | - | | - | | - | | | | | | - |
| 15 | Sales in MWh | | - | - | - | - | - | - | | - | | - | | - | | | | | | - |
| 16 | MWh sales per customer | | - | - | - | - | - | - | | - | | - | | - | | | | | | - |
| 17 | Revenue (\$000s) | | - | - | - | - | - | - | | - | | - | | - | | | | | | - |
| 18 | Cents per kWh | | - | - | - | - | - | - | | - | | - | | - | | | | | | - |
| 19 | Street Lights | | | | | | | | | | | | | | | | | | | |
| 20 | Sales in MWh | | 3,545 | 3,477 | 3,647 | 3,598 | 3,771 | 3,725 | | 3,789 | | 3,854 | | 3,445 | | | | | | 3,522 |
| 21 | Revenue (\$000s) | | 776 | 764 | 848 | 880 | 963 | 951 | | 966 | | 981 | | 716 | | | | | | 729 |
| 22 | Cents per kWh | | 21.89 | 21.97 | 23.25 | 24.46 | 25.53 | 25.54 | | 25.49 | | 25.45 | | 20.78 | | | | | | 20.70 |
| 23 | Private Lights | | | | | | | | | | | | | | | | | | | |
| 24 | Sales in MWh | | 631 | 592 | 594 | 581 | 560 | 554 | | 544 | | 534 | | 638 | | | | | | 631 |
| 25 | Revenue (\$000s) | | 139 | 131 | 138 | 144 | 147 | 145 | | 143 | | 141 | | 134 | | | | | | 132 |
| 26 | Cents per kWh | | 22.03 | 22.13 | 23.23 | 24.71 | 26.20 | 26.23 | | 26.27 | | 26.31 | | 20.95 | | | | | | 20.95 |
| 27 | Total Company - Retail - Primary | | | | | | | | | | | | | | | | | | | |
| 28 | Customers | | 15,315 | 15,573 | 15,861 | 16,256 | 16,698 | 17,114 | | 17,304 | | 17,595 | | 15,293 | | | | | | 15,537 |
| 29 | Sales in MWh | | 274,182 | 276,714 | 281,290 | 296,466 | 314,244 | 309,894 | | 323,823 | | 330,274 | | 275,224 | | | | | | 278,133 |
| 30 | Revenue (\$000s) | | 38,404 | 37,570 | 39,499 | 43,326 | 48,293 | 47,614 | | 49,783 | | 50,802 | | 34,296 | | | | | | 34,640 |
| 31 | Cents per kWh | | 14.01 | 13.58 | 14.04 | 14.61 | 15.37 | 15.36 | | 15.37 | | 15.38 | | 12.46 | | | | | | 12.45 |
| 32 | Secondary Sales | | | | | | | | | | | | | | | | | | | |
| 33 | Customers (average during year) | | 22 | 21 | 21 | 14 | 2 | - | | - | | - | | 22 | | | | | 23 | |
| 34 | Sales in MWh | | 18,053 | 16,843 | 10,153 | 552 | 1,993 | - | | - | | - | | 16,853 | | | | | 6,954 | |
| 35 | MWh sales per customer | | 820.59 | 802.05 | 483.48 | 39.43 | 996.50 | - | | - | | - | | 754.60 | | | | | 302.35 | |
| 36 | Revenue (\$000s) | | 1,389 | 1,092 | 665 | 41 | 164 | - | | - | | - | | 1,213 | | | | | 501 | |
| 37 | Cents per kWh | | 7.69 | 6.48 | 6.55 | 7.43 | 8.23 | - | | - | | - | | 7.20 | | | | | 7.20 | |
| 38 | Wholesale Sales | | | | | | | | | | | | | | | | | | | |
| 39 | Customers (average during year) | | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | | 2 | | 2 | | | | | 2 | |
| 40 | Sales in MWh | | 412 | 360 | 365 | 427 | 338 | 338 | | 338 | | 338 | | 489 | | | | | 489 | |
| 41 | MWh sales per customer | | 206.00 | 180.00 | 182.50 | 213.50 | 169.12 | 169.12 | | 169.12 | | 169.12 | | 244.41 | | | | | 244.41 | |
| 42 | Revenue (\$000s) | | 41 | 37 | 38 | 38 | 28 | 28 | | 28 | | 28 | | 52 | | | | | 52 | |
| 43 | Cents per kWh | | 9.95 | 10.28 | 10.41 | 8.90 | 8.30 | 8.30 | | 8.30 | | 8.30 | | 10.60 | | | | | 10.60 | |
| 44 | Total Company | | | | | | | | | | | | | | | | | | | |
| 45 | Customers | | 15,339 | 15,596 | 15,884 | 16,272 | 16,702 | 17,116 | | 17,306 | | 17,597 | | 15,317 | | | | | | 15,562 |
| 46 | Sales in MWh | S.3.2 L.2 | 292,647 | 293,917 | 291,808 | 297,445 | 316,575 | 310,232 | | 324,162 | | 330,612 | | 292,565 | | | | | | 285,576 |
| 47 | Revenue (\$000s) | | 39,834 | 38,699 | 40,202 | 43,405 | 48,486 | 47,642 | | 49,811 | | 50,830 | | 35,561 | | | | | | 35,193 |
| 48 | Cents per kWh | | 13.61 | 13.17 | 13.78 | 14.59 | 15.32 | 15.36 | | 15.37 | | 15.37 | | 12.15 | | | | | | 12.32 |
| 49 | Retail Revenues | | 39,834 | 38,699 | 40,202 | 43,405 | 48,486 | 47,642 | | 49,811 | | 50,830 | | 35,561 | | | | | | 35,193 |
| 50 | YEC Revenue Shortfall (Rider J) | | 4,990 | 4,026 | 4,353 | 2,479 | 1,437 | - | | - | | - | | 5,120 | | | | | 5,172 | |
| 51 | TOTAL REVENUES | S.1.1 L.2 | 44,824 | 42,725 | 44,555 | 45,884 | 49,923 | 47,642 | 49,812 | 49,811 | 53,473 | 50,830 | 55,183 | 40,681 | 44,021 | 40,365 | 44,437 | | | |
| 52 | Rate Increase from Existing Rates | | | | | | | | 2,169 | 3,662 | | 4,353 | | 3,340 | | | | | 4,072 | |
| 53 | Less: Impact of Higher Fuel Costs Recovered Through Rider F | | | | | | | | (1,071) | (1,086) | | (1,087) | | (3,762) | | | | | (3,465) | |
| 54 | Net Rate Increase (\$000s) | L.52 - L.53 | | | | | | | 1,099 | 2,576 | | 3,267 | | (422) | | | | | 607 | |
| 53 | % Rate Increase over Existing Rates | | | | | | | | | | | | | | | | | | | |
| 54 | YECL Primary Retail Revenue | L.30 | | | | | | 47,614 | 49,783 | | 50,802 | | 34,296 | | | | | | 34,640 | |
| 55 | YEC Firm Revenue | | | | | | | 10,429 | 12,169 | | 12,304 | | 3,795 | | | | | | 3,750 | |
| 56 | Total YEC/YECL Retail Revenue Primary Rates (\$000s) | L.54 + L.55 | | | | | | 58,043 | 61,952 | | 63,106 | | 38,090 | | | | | | 38,391 | |
| 57 | % Rate Increase Over Existing Rates | L.54 / L.56 | | | | | | | 1.9% | 4.2% | | 5.2% | | -1.1% | | | | | 1.6% | |

**The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Miscellaneous Revenue**

Revised Schedule 2.2

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|-----------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|-------|-------------------|-------------------|
| | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | Reconnect Revenue | | 74 | 56 | 61 | 123 | 187 | 190 | 194 | 198 | 80 | 80 |
| 2 | Joint Use | | 477 | 503 | 590 | 644 | 667 | 681 | 694 | 708 | 464 | 480 |
| 3 | Services to Outside Parties | | 94 | 86 | 85 | 90 | 107 | 109 | 112 | 114 | 100 | 100 |
| 4 | Other | | 257 | 264 | 274 | 242 | 291 | 297 | 250 | 255 | 166 | 167 |
| 5 | | | | | | | | | | | | |
| 6 | Total | S.1.1 L.3 | 902 | 909 | 1,010 | 1,099 | 1,252 | 1,277 | 1,250 | 1,275 | 810 | 827 |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Schedule of Purchase Power

Revised Schedule 3.1

| Line No. | Description | Cross Ref. | Actual | Actual | Actual | Actual | Actual | Test Period | | | GRA | GRA |
|----------|--|------------|---------|---------|---------|---------|-----------|-------------|---------|-----------|---------------|---------------|
| | | | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | Approved 2008 | Approved 2009 |
| 1 | Purchases (MWh) | | | | | | | | | | | |
| 2 | Primary Energy | | 263,820 | 267,230 | 276,345 | 290,541 | 310,264 | 304,011 | 314,125 | 320,965 | 263,765 | 267,747 |
| 3 | Secondary Sales | | 18,053 | 16,843 | 10,153 | 552 | 1,993 | - | - | - | 16,853 | 6,954 |
| 4 | | S.3.2 L.10 | 281,873 | 284,073 | 286,498 | 291,093 | 312,257 | 304,011 | 314,125 | 320,965 | 280,618 | 274,701 |
| 5 | Purchase Power Rates | | | | | | | | | | | |
| 6 | Primary Energy Charge (\$ per kWh) | Note 1 | 0.0684 | 0.0684 | 0.0684 | 0.0755 | 0.0830 | 0.0830 | 0.0830 | 0.0830 | 0.0684 | 0.0684 |
| 7 | Secondary Sales (\$ per kWh) | | 0.066 | 0.054 | 0.054 | 0.072 | 0.0712 | - | - | - | 0.061 | 0.061 |
| 8 | Shortfall Rider J | | | | | | | | | | 14.93% | 14.93% |
| 9 | Purchase Power Expense (\$000s) | | | | | | | | | | | |
| 10 | Primary Energy Expense | L.2 x L.6 | 18,046 | 18,278 | 18,902 | 21,941 | 25,745.71 | 25,227 | 26,066 | 26,634 | 18,042 | 18,314 |
| 11 | Secondary Energy Expense | L.3 x L.7 | 1,190 | 907 | 553 | 40 | 142.00 | - | - | - | 1,028 | 424 |
| 12 | Shortfall Rider J | S.2.1 L.50 | 4,990 | 4,026 | 4,353 | 2,479 | 1,437.37 | - | - | - | 5,120 | 5,172 |
| 13 | Less: Capitalized | | (69) | - | (346) | (367) | (402) | (369) | - | - | (69) | (69) |
| 14 | Total Purchase Power Expense | S.1.1 L.7 | 24,157 | 23,211 | 23,462 | 24,093 | 26,923.07 | 24,858 | 26,066 | 26,633.64 | 24,121 | 23,841 |

Note 1:

Rate changed in July 2011 from 0.0684 to 0.0830

The Yukon Electrical Company Limited
 2013 - 2015 General Rate Application
 Diesel Generation and Fuel Summary
 (\$000s)

Revised Schedule 4.1

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|----------------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|--------|-------------------|-------------------|
| | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | Total Diesel Generation (in MWh) | S.3.2 L.8 & 9 | 22,223 | 19,966 | 19,839 | 20,933 | 21,310 | 21,127 | 21,405 | 21,415 | 22,364 | 20,858 |
| 2 | Fuel Heat Rate (kWh per litre) | | 3.65 | 3.69 | 3.74 | 3.68 | 3.70 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 |
| 3 | Litres of Fuel (000s) | S. 4.2 L.32 | 6,086 | 5,409 | 5,311 | 5,681 | 5,757 | 5,692 | 5,767 | 5,770 | 6,032 | 5,618 |
| 4 | Fuel Costs (\$000s) | | 6,603 | 4,342 | 4,658 | 6,149 | 6,490 | 6,611 | 6,701 | 6,704 | 5,829 | 5,397 |
| 5 | Fuel Variance | Note 1 | - | (584) | 489 | (610) | (853) | - | - | - | - | - |
| 6 | Fuel Expense | S.1.1 L.8 | 6,603 | 3,758 | 5,146 | 5,539 | 5,637 | 6,611 | 6,701 | 6,704 | 5,829 | 5,397 |
| 7 | Average Cost (cents per litre) | L.4 / L.3 | 108.50 | 80.27 | 87.70 | 108.24 | 112.73 | 116.15 | 116.18 | 116.18 | 96.63 | 96.07 |

Note 1

The Fuel Variance for 2008 was not recalculated for the 2008 approved prices as the rate increase Rider calculation based on the Feb 19, 2009 Decision 2009-02 was implemented in 2009 and trued up the cumulative 2008 impacts.

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Operations and Maintenance Expenses
(\$000s)

Revised Schedule 5.1

| Line No. | Description | Cross Ref. | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | |
|----------|--|-------------|--------------|--------------|---------------|---------------|---------------|---------------|
| | | | | | | 2013 | 2014 | 2015 |
| 1 | Production | | | | | | | |
| 2 | 62600 - Hydro Generation | S.5.2 L.3 | 111 | 108 | 154 | 310 | 343 | 422 |
| 3 | 64000 - Supervision and Engineering Diesel | | 62 | 63 | 69 | 60 | 62 | 64 |
| 4 | 64600 - Diesel Generation | S.5.2 L.21 | 487 | 601 | 457 | 410 | 420 | 431 |
| 5 | 82600 - Hydro Maintenance | S.5.2 L.32 | 19 | 63 | 105 | 48 | 49 | 50 |
| 6 | 84600 - Diesel Maintenance | S.5.2 L.42 | 913 | 1,013 | 1,193 | 1,189 | 1,212 | 1,235 |
| 7 | | | <u>1,593</u> | <u>1,849</u> | <u>1,978</u> | <u>2,017</u> | <u>2,085</u> | <u>2,201</u> |
| 8 | Distribution | | | | | | | |
| 9 | 87000 - Supervision | S.5.2 L.55 | 234 | 242 | 263 | 279 | 288 | 297 |
| 10 | 87100 - Brushing | S.5.2 L.66 | 355 | 283 | 543 | 399 | 408 | 416 |
| 11 | 87200 - Vehicle Depreciation | | (152) | (162) | (170) | (184) | (187) | (191) |
| 12 | 87300 - Maintenance | S.5.2 L.75 | 1,769 | 1,808 | 1,938 | 1,873 | 1,935 | 1,984 |
| 13 | 87310 - Service to Outside Parties | | 64 | 90 | 101 | 103 | 105 | 107 |
| 14 | 87400 - Underground Line Maintenance | S.5.2 L.88 | 95 | 91 | 205 | 162 | 167 | 170 |
| 15 | 87500 - Meter and Meter Testing | | 94 | 101 | 108 | 86 | 89 | 92 |
| 16 | 87700 - Transformer Repair and Replacement | S.5.2 L.100 | 36 | 47 | 112 | 74 | 77 | 79 |
| 17 | 87800 - Street Light Maintenance | S.5.2 L.106 | 167 | 160 | 181 | 184 | 190 | 194 |
| 18 | | | <u>2,662</u> | <u>2,659</u> | <u>3,281</u> | <u>2,977</u> | <u>3,071</u> | <u>3,148</u> |
| 19 | General | | | | | | | |
| 20 | 88400 - Communication | | 10 | 10 | 15 | 13 | 13 | 13 |
| 21 | 88800 - Maintenance Company-Owned Houses | | 18 | 16 | 16 | 17 | 17 | 18 |
| 22 | 88900 - Maintenance Warehouse and Office | | 122 | 115 | 147 | 129 | 132 | 134 |
| 23 | | | <u>150</u> | <u>141</u> | <u>178</u> | <u>159</u> | <u>162</u> | <u>165</u> |
| 24 | Public Information | | | | | | | |
| 25 | 70100 - Public Information Administration | | 45 | 35 | 28 | 26 | 27 | 27 |
| 26 | 70200 - General Public Information | S.5.2 L.120 | 58 | 76 | 109 | 117 | 120 | 124 |
| 27 | | | <u>104</u> | <u>111</u> | <u>137</u> | <u>143</u> | <u>147</u> | <u>151</u> |
| 28 | Customer Accounting | | | | | | | |
| 29 | 71000 - Supervision | | 41 | 34 | 52 | 49 | 51 | 52 |
| 30 | 71100 - Customer Applications and Service Orders | S.5.2 L.126 | 410 | 410 | 444 | 437 | 456 | 467 |
| 31 | 71200 - Meter Reading | S.5.2 L.141 | 532 | 462 | 484 | 526 | 544 | 565 |
| 32 | 71300 - Customer Billing and Accounting | S.5.2 L.156 | 696 | 703 | 695 | 724 | 750 | 775 |
| 33 | 71400 - Revenue Collections | S.5.2 L.162 | 165 | 168 | 182 | 191 | 216 | 222 |
| 34 | 71500 - Collection of Delinquent Accounts | S.5.2 L.171 | 119 | 110 | 123 | 122 | 133 | 137 |
| 35 | 71800 - Provision for Uncollectible Accounts | | 43 | 36 | 36 | 36 | 36 | 36 |
| 36 | | | <u>2,006</u> | <u>1,922</u> | <u>2,016</u> | <u>2,085</u> | <u>2,186</u> | <u>2,255</u> |
| 37 | Administration and General | | | | | | | |
| 38 | 72100 - Administrative | S.5.2 L.180 | 1,645 | 1,792 | 2,028 | 2,210 | 2,230 | 2,078 |
| 39 | 72200 - Administrative Corporate | S.5.2 L.198 | 184 | 71 | 196 | 135 | 137 | 140 |
| 40 | 72300 - Insurance | S.5.2 L.210 | 215 | 244 | 245 | 262 | 202 | 138 |
| 41 | 72400 - Injuries & Damages | S.8.4 L. 27 | 86 | 86 | 86 | 618 | 618 | 618 |
| 42 | 72500 - Employee Expenses | S.5.2 L.222 | 253 | 254 | 248 | 270 | 276 | 282 |
| 43 | 72600 - Training and Safety | S.5.2 L.228 | 404 | 387 | 456 | 438 | 451 | 464 |
| 44 | 72700 - Relocation | S.5.2 L.233 | 213 | 207 | 66 | 159 | 162 | 165 |
| 45 | 72800 - Miscellaneous General | | - | - | 0 | 0 | 0 | 0 |
| 46 | 72900 - Audit/Legal Fees & Special Studies | S.5.2 L.241 | 110 | 76 | 143 | 132 | 155 | 138 |
| 47 | | | <u>3,110</u> | <u>3,117</u> | <u>3,468</u> | <u>4,223</u> | <u>4,231</u> | <u>4,023</u> |
| 48 | | | | | | | | |
| 49 | Total Operations and Maintenance Expenses | S.1.1 L.9 | <u>9,625</u> | <u>9,799</u> | <u>11,059</u> | <u>11,604</u> | <u>11,882</u> | <u>11,944</u> |

The Yukon Electrical Company Limited
 2013 - 2015 General Rate Application
 Operations and Maintenance Expenses
 (\$000s)

Revised Schedule 5.2
 Page 1 of 5

| Line No. | Description | Actual 2010 | Actual 2011 | Actual 2012 | Test Period 2013 | Test Period 2014 | Test Period 2015 |
|----------|---|-------------|-------------|-------------|------------------|------------------|------------------|
| 1 | Production | | | | | | |
| 2 | | | | | | | |
| 3 | <u>62600 - Hydro Generation</u> | 111 | 108 | 154 | 310 | 343 | 422 |
| 4 | | | | | | | |
| 5 | Costs increase in 2012 due to environmental costs related to the | | | | | | |
| 6 | Fish Lake water licence process. | | | | | | |
| 7 | | | | | | | |
| 8 | Costs increase in 2013 due to labour and fringe for increases for inspection | | | | | | |
| 9 | and maintenance (\$60) as well as various Fish Lake other costs | | | | | | |
| 10 | as a result of the water licence (\$106), less reduction in pension expense (\$10). | | | | | | |
| 11 | | | | | | | |
| 12 | Costs increase in 2014 mainly due to the addition of an environmental | | | | | | |
| 13 | technician position (\$48) and related fringe costs (\$13) offset by lower | | | | | | |
| 14 | other costs for Fish Lake monitoring (\$20) and reduced pension funding (\$8). | | | | | | |
| 15 | | | | | | | |
| 16 | Costs increase in 2015 due to full year impact of environmental technician | | | | | | |
| 17 | position added in 2014 added to the compliment (\$58), higher costs for Fish | | | | | | |
| 18 | Lake licence requirements (\$13) and inflation (\$8). | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | <u>64600 - Diesel Generation</u> | 487 | 601 | 457 | 410 | 420 | 431 |
| 22 | | | | | | | |
| 23 | Costs increase in 2011 mainly due to costs related to maintain | | | | | | |
| 24 | connectivity to the Hydro Grid while Yukon Energy performed capital | | | | | | |
| 25 | maintenance on the system i.e. 'Aishihik Bypass' project (\$114). | | | | | | |
| 26 | | | | | | | |
| 27 | Costs increase in 2013 mainly due to inflation (\$12) offset by reduction in | | | | | | |
| 28 | pension expense (\$22) and reduced labour and other costs. | | | | | | |
| 29 | | | | | | | |
| 30 | Costs increase in 2014 and 2015 mainly due to inflation. | | | | | | |
| 31 | | | | | | | |
| 32 | <u>82600 - Hydro Maintenance</u> | 19 | 63 | 105 | 48 | 49 | 50 |
| 33 | | | | | | | |
| 34 | Costs increase in 2011 mainly due to increased maintenance | | | | | | |
| 35 | for unit 2 governor and bearings (\$24) as well as increased | | | | | | |
| 36 | labour and fringe (\$18). | | | | | | |
| 37 | | | | | | | |
| 38 | Costs increase in 2012 mainly due to increased maintenance | | | | | | |
| 39 | for unit 2 related to the generator and flywheel (\$57) offset by | | | | | | |
| 40 | lower labour and fringe (\$15). | | | | | | |
| 41 | | | | | | | |
| 42 | <u>84600 - Diesel Maintenance</u> | 913 | 1,013 | 1,193 | 1,189 | 1,212 | 1,235 |
| 43 | | | | | | | |
| 44 | Costs increase in 2011 mainly due to overall higher contractor costs | | | | | | |
| 45 | for maintenance for various overhauls and repairs. | | | | | | |
| 46 | | | | | | | |
| 47 | Costs increase in 2012 mainly due to overall higher contractor costs | | | | | | |
| 48 | for maintenance for various overhauls and repairs. | | | | | | |
| 49 | | | | | | | |
| 50 | Costs decrease in 2013 mainly due to inflation (\$23) less reduction in pension | | | | | | |
| 51 | expense (\$27). | | | | | | |
| 52 | | | | | | | |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Operations and Maintenance Expenses
(\$000s)

Revised Schedule 5.2
Page 2 of 5

| Line No. | Description | Actual 2010 | Actual 2011 | Actual 2012 | Test Period 2013 | Test Period 2014 | Test Period 2015 |
|----------|---|-------------|-------------|-------------|------------------|------------------|------------------|
| 53 | Distribution | | | | | | |
| 54 | | | | | | | |
| 55 | <u>87000 - Supervision</u> | 234 | 242 | 263 | 279 | 288 | 297 |
| 56 | | | | | | | |
| 57 | Costs increase in 2012 due to higher costs for fringe benefits | | | | | | |
| 58 | due to pension funding (\$15) and higher after-hours call | | | | | | |
| 59 | management services (\$7). | | | | | | |
| 60 | | | | | | | |
| 61 | Costs increase in 2013 due to higher costs for after-hours | | | | | | |
| 62 | call management services due to higher usage (\$29) and inflation (\$5), less | | | | | | |
| 63 | reduction in pension expense (\$18). | | | | | | |
| 64 | | | | | | | |
| 65 | | | | | | | |
| 66 | <u>87100 - Brushing</u> | 355 | 283 | 543 | 399 | 408 | 416 |
| 67 | | | | | | | |
| 68 | Costs decrease in 2011 due to brushing activities deferred to 2012 as a | | | | | | |
| 69 | result of weather and contractor availability. | | | | | | |
| 70 | | | | | | | |
| 71 | Costs increase in 2012 due to lag from 2011 as a result of weather and | | | | | | |
| 72 | contractor availability. | | | | | | |
| 73 | | | | | | | |
| 74 | | | | | | | |
| 75 | <u>87300 - Maintenance</u> | 1,769 | 1,808 | 1,938 | 1,873 | 1,935 | 1,984 |
| 76 | | | | | | | |
| 77 | Costs increase in 2012 due to higher costs for various services, | | | | | | |
| 78 | material and equipment (\$70), and higher fringe costs | | | | | | |
| 79 | due to pension funding (\$60). | | | | | | |
| 80 | | | | | | | |
| 81 | Cost increase in 2013 mainly due to inflation (\$39) less reduction in pension (\$100). | | | | | | |
| 82 | | | | | | | |
| 83 | Costs increases in 2014 and 2015 mainly due to inflation. | | | | | | |
| 84 | | | | | | | |
| 85 | | | | | | | |
| 86 | | | | | | | |
| 87 | | | | | | | |
| 88 | <u>87400 - Underground Line Maintenance</u> | 95 | 91 | 205 | 162 | 167 | 170 |
| 89 | | | | | | | |
| 90 | Costs increase in 2012 due to increased overall activity (\$89) | | | | | | |
| 91 | and costs for Arctic Winter Games (AWG) support (\$25). | | | | | | |
| 92 | | | | | | | |
| 93 | Costs decrease in 2013 due to reduction in costs for AWG (\$25) and | | | | | | |
| 94 | lower other costs (\$7), as well as lower pension funding (\$11). | | | | | | |
| 95 | | | | | | | |
| 96 | Costs increases in 2014 and 2015 mainly due to inflation. | | | | | | |
| 97 | | | | | | | |
| 98 | | | | | | | |
| 99 | | | | | | | |
| 100 | <u>87700 - Transformer Repair and Replacement</u> | 36 | 47 | 112 | 74 | 77 | 79 |
| 101 | | | | | | | |
| 102 | Costs increase in 2012 mainly due to a major repair | | | | | | |
| 103 | required for the shipyards park transformer (\$67). | | | | | | |

The Yukon Electrical Company Limited
 2013 - 2015 General Rate Application
 Operations and Maintenance Expenses
 (\$000s)

| Line No. | Description | Actual 2010 | Actual 2011 | Actual 2012 | Test Period 2013 | Test Period 2014 | Test Period 2015 |
|----------|---|-------------|-------------|-------------|------------------|------------------|------------------|
| 104 | Distribution (continued) | | | | | | |
| 105 | | | | | | | |
| 106 | <u>87800 - Street Light Maintenance</u> | 167 | 160 | 181 | 184 | 190 | 194 |
| 107 | | | | | | | |
| 108 | Costs increase in 2012 due to increased overall activity | | | | | | |
| 109 | for streetlight repairs. | | | | | | |
| 110 | | | | | | | |
| 111 | Costs increase in 2013 due to inflation and increased | | | | | | |
| 112 | streetlight repair activity, less reduction in pension expense. | | | | | | |
| 113 | | | | | | | |
| 114 | Costs increases in 2014 and 2015 mainly due to inflation. | | | | | | |
| 115 | | | | | | | |
| 116 | | | | | | | |
| 117 | | | | | | | |
| 118 | Public Information | | | | | | |
| 119 | | | | | | | |
| 120 | <u>70200 - General Public Information</u> | 58 | 76 | 109 | 117 | 120 | 124 |
| 121 | | | | | | | |
| 122 | Costs increase from 2011 to 2013 due to a 0.6 FTE addition in mid-2011 | | | | | | |
| 123 | for the addition of a Senior Corporate Communications Advisor. | | | | | | |
| 124 | | | | | | | |
| 125 | | | | | | | |
| 126 | <u>71100 - Customer Applications and Service Orders</u> | 410 | 410 | 444 | 437 | 456 | 467 |
| 127 | | | | | | | |
| 128 | Costs increase in 2012 mainly due to higher fringe costs | | | | | | |
| 129 | due to pension funding. | | | | | | |
| 130 | | | | | | | |
| 131 | Costs increase in 2013 due to additional labour from a Power Line | | | | | | |
| 132 | Technician Apprentice and a Customer Service Advisor, as well as inflation. | | | | | | |
| 133 | | | | | | | |
| 134 | Costs increases in 2014 and 2015 mainly due to inflation. | | | | | | |
| 135 | | | | | | | |
| 136 | | | | | | | |
| 137 | | | | | | | |
| 138 | | | | | | | |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Operations and Maintenance Expenses
(\$000s)

| Line No. | Description | Actual 2010 | Actual 2011 | Actual 2012 | Test Period 2013 | Test Period 2014 | Test Period 2015 |
|----------|--|-------------|-------------|-------------|------------------|------------------|------------------|
| 139 | Customer Accounting | | | | | | |
| 140 | | | | | | | |
| 141 | <u>71200 - Meter Reading</u> | 532 | 462 | 484 | 526 | 544 | 565 |
| 142 | | | | | | | |
| 143 | Costs decrease in 2011 mainly due to lower vehicle usage | | | | | | |
| 144 | allocation (\$40) and lower labour allocation (\$30) due to the | | | | | | |
| 145 | use of temporary meter readers and more estimates. | | | | | | |
| 146 | | | | | | | |
| 147 | Costs increase 2012 mainly due to additional, temporary meter reader position | | | | | | |
| 148 | added to assist with meter reading. | | | | | | |
| 149 | | | | | | | |
| 150 | Costs increase in 2013 mainly due to higher labour for meter reading as a result of | | | | | | |
| 151 | the reclassification of a temporary meter reader position to full-time. This resulted in | | | | | | |
| 152 | higher benefits and lower vacancy. As well, pension expense was reduced (\$33) | | | | | | |
| 153 | | | | | | | |
| 154 | Costs increases in 2014 and 2015 mainly due to inflation. | | | | | | |
| 155 | | | | | | | |
| 156 | <u>71300 - Customer Billing & Accounting</u> | 696 | 703 | 695 | 724 | 750 | 775 |
| 157 | | | | | | | |
| 158 | Costs increase in 2013 mainly due to an additional Customer Service Advisor (\$11), | | | | | | |
| 159 | inflation (\$17) and increased costs for billing system service requests (\$15), less | | | | | | |
| 160 | reduction in pension expense (\$15). | | | | | | |
| 161 | | | | | | | |
| 162 | <u>71400 - Revenue Collections</u> | 165 | 168 | 182 | 191 | 216 | 222 |
| 163 | | | | | | | |
| 164 | Costs increase in 2012 mainly due to higher fringe costs for pension funding. | | | | | | |
| 165 | | | | | | | |
| 166 | Costs increase in 2013 mainly due to mid-year addition of Customer Service Advisor, | | | | | | |
| 167 | less reduction in pension expense (\$18). | | | | | | |
| 168 | | | | | | | |
| 169 | Cost increase in 2014 mainly due to full year impact of CSA position added in 2013. | | | | | | |
| 170 | | | | | | | |
| 171 | <u>71500 - Collection of Delinquent Accounts</u> | 119 | 110 | 123 | 122 | 133 | 137 |
| 172 | | | | | | | |
| 173 | Costs increase in 2012 mainly due to higher fringe costs for pension funding. | | | | | | |
| 174 | | | | | | | |
| 175 | Costs increase in 2013 mainly due to mid-year addition of Customer Service Advisor, | | | | | | |
| 176 | less reduction in pension expense (\$10). | | | | | | |
| 177 | | | | | | | |
| 178 | Cost increase in 2014 mainly due to full year impact of CSA position added in 2013. | | | | | | |
| 179 | | | | | | | |
| 180 | <u>72100 - Administrative</u> | 1,645 | 1,792 | 2,028 | 2,210 | 2,230 | 2,078 |
| 181 | | | | | | | |
| 182 | Costs increase from 2010 to 2011 mainly due to the addition of a Financial | | | | | | |
| 183 | Analyst (\$78), higher ITEK-IT Costs (\$38), and higher Head Office costs (\$31) | | | | | | |
| 184 | | | | | | | |
| 185 | Costs increase in 2012 mainly due to addition of a Corporate Accountant and | | | | | | |
| 186 | Manager position to support the accounting, finance and regulatory functions. | | | | | | |
| 187 | | | | | | | |
| 188 | Costs increase in 2013 mainly due to the full year impact of additional positions | | | | | | |
| 189 | added in 2012 (\$135), inflation (\$71), increased costs for HR (\$35), as well as | | | | | | |
| 190 | rates and terms & conditions support (\$25), less reduced pension expense (\$63). | | | | | | |
| 191 | | | | | | | |
| 192 | Costs increase in 2014 mainly due to the one-time costs for Phase II process (\$76) | | | | | | |
| 193 | and inflation. Costs decrease in 2015 due to no Phase II costs offset by inflation and | | | | | | |
| 194 | elimination of Corporate Accountant position. | | | | | | |
| 195 | | | | | | | |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Operations and Maintenance Expenses
(\$000s)

Revised Schedule 5.2
Page 5 of 5

| Line No. | Description | Actual 2010 | Actual 2011 | Actual 2012 | Test Period 2013 | Test Period 2014 | Test Period 2015 |
|----------|--|-------------|-------------|-------------|------------------|------------------|------------------|
| 196 | Administration and General | | | | | | |
| 197 | | | | | | | |
| 198 | <u>72200 - Administration Corporate</u> | 184 | 71 | 196 | 135 | 137 | 140 |
| 199 | | | | | | | |
| 200 | Costs decrease in 2011 mainly due to a reduction in Regulatory costs | | | | | | |
| 201 | from the Prior year Phase II proceeding (\$113K). | | | | | | |
| 202 | | | | | | | |
| 203 | Costs increase in 2012 mainly due to Regulatory intervention costs | | | | | | |
| 204 | for YEC Phase I (\$103) and higher bank fees from higher | | | | | | |
| 205 | volume of customer credit card payments (\$22). | | | | | | |
| 206 | | | | | | | |
| 207 | Costs decrease in 2013 due to lower regulatory costs. | | | | | | |
| 208 | | | | | | | |
| 209 | | | | | | | |
| 210 | <u>72300 - Insurance</u> | 215 | 244 | 245 | 262 | 202 | 138 |
| 211 | | | | | | | |
| 212 | Insurance costs increase in 2011 due to absence of | | | | | | |
| 213 | experience credits and increase costs for the policy. | | | | | | |
| 214 | | | | | | | |
| 215 | Costs decrease in 2014 mainly due to the removal of Transmission | | | | | | |
| 216 | and Distribution line insurance coverage starting July 1, 2014. | | | | | | |
| 217 | | | | | | | |
| 218 | Costs decrease in 2015 mainly due to the full year effect of the | | | | | | |
| 219 | reduction in line insurance removed July 1, 2014. | | | | | | |
| 220 | | | | | | | |
| 221 | | | | | | | |
| 222 | <u>72500 - Employee Expenses</u> | 253 | 254 | 248 | 270 | 276 | 282 |
| 223 | | | | | | | |
| 224 | Costs increase in 2013 due to a change in policy for employee benefits for | | | | | | |
| 225 | payment of the Northern Travel Allowance. | | | | | | |
| 226 | | | | | | | |
| 227 | | | | | | | |
| 228 | <u>72600 - Training and Safety</u> | 404 | 387 | 456 | 438 | 451 | 464 |
| 229 | | | | | | | |
| 230 | Costs increase in 2012 due to required safety programs for staff. | | | | | | |
| 231 | | | | | | | |
| 232 | | | | | | | |
| 233 | <u>72700 - Relocation</u> | 213 | 207 | 66 | 159 | 162 | 165 |
| 234 | | | | | | | |
| 235 | Costs decrease in 2012 due to lower relocations. | | | | | | |
| 236 | | | | | | | |
| 237 | Costs increase in 2013 to reflect an average expected | | | | | | |
| 238 | relocation expense for the year. | | | | | | |
| 239 | | | | | | | |
| 240 | | | | | | | |
| 241 | <u>72900 - Audit/Legal Fees & Special Studies</u> | 110 | 76 | 143 | 132 | 155 | 138 |
| 242 | | | | | | | |
| 243 | Costs decrease in 2011 due to lower audit fees (\$22). | | | | | | |
| 244 | and lower employee association costs for collective bargaining (\$8). | | | | | | |
| 245 | | | | | | | |
| 246 | Costs increase in 2012 due to higher audit fees (\$48) and higher | | | | | | |
| 247 | employee association and other costs for bargaining (\$19). | | | | | | |
| 248 | | | | | | | |
| 249 | Costs decrease in 2013 due to lower employee association costs. | | | | | | |
| 250 | | | | | | | |
| 251 | Costs increase in 2014 mainly due to higher costs for Collective Bargaining. | | | | | | |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Affiliate Charges included in Operations and Maintenance Expenses
(\$000s)

Revised Schedule 5.3

| Line No. | O&M Category | Affiliate Company | Services Provided | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 | |
|----------|---|-------------------|--|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|-------|-------------------|-------------------|-------|
| | | | | | | | | | | 2013 | 2014 | 2015 | | | |
| 1 | <u>Details of Affiliate Costs in Operations and Maintenance</u> | | | | | | | | | | | | | | |
| 2 | 87500 - Meters and Meter Testing | ATCO Electric | Metering Services | | 31 | 31 | 39 | 46 | 48 | 49 | 50 | 52 | 33 | 34 | |
| 3 | 87000 - Supervision | ATCO Electric | After Hours - Call Answering | | 27 | 27 | 31 | 29 | 34 | 62 | 64 | 66 | 26 | 26 | |
| 4 | 71200 - Meter Reading | ATCO Gas | Meter Services | | 46 | 36 | 10 | 13 | 33 | 25 | 26 | 27 | 38 | 39 | |
| 5 | 72100 - Administrative Expenses | ATCO Gas | Office Services | | 12 | 9 | 9 | 7 | 6 | 8 | 8 | 8 | 15 | 16 | |
| 6 | 64600 - Diesel Generation | ATCO Gas | LNG Storage and Vapourization Skid | | - | - | - | - | - | - | - | - | - | - | |
| 7 | 72100 - Administrative Expenses | ATCO I-Tek | Information Technology | | 358 | 392 | 391 | 429 | 458 | 462 | 478 | 494 | 325 | 320 | |
| 8 | 71300 - Customer Billing and Accounting | ATCO I-Tek (ITBS) | Billing System Services | | 400 | 519 | 508 | 519 | 519 | 546 | 557 | 575 | 411 | 442 | |
| 9 | | | | | | | | | | | | | | | |
| 10 | <u>Details of Head Office Costs</u> | | | | | | | | | | | | | | |
| 11 | 72100 - Administrative Expenses | ATCO Electric | Governance, HR, and Health & Safety | | 131 | 153 | 147 | 159 | 91 | 137 | 141 | 146 | 110 | 114 | |
| 12 | 72100 - Administrative Expenses | ATCO Electric | Regulatory Phase II | | - | - | 66 | - | - | - | 76 | - | 12 | 3 | |
| 13 | 72100 - Administrative Expenses | ATCO Electric | Rates and Terms & Conditions | | | 39 | - | 15 | 15 | 40 | 41 | 42 | | | |
| 14 | 72100 - Administrative Expenses | ATCO Electric | Financial Reporting and Regulatory Support | | 31 | 38 | 46 | 115 | 448 | 614 | 636 | 502 | 87 | 73 | |
| 15 | 72100 - Administrative Expenses | ATCO Electric | Payroll, Use of Systems and IT | | 14 | 17 | 18 | 19 | 44 | 46 | 47 | 48 | 16 | 19 | |
| 16 | | | Total Head Office Fees | | 175 | 247 | 277 | 309 | 598 | 837 | 942 | 738 | 225 | 209 | |
| 17 | | | | | | | | | | | | | | | |
| 18 | 72100 - Administrative Expenses | ATCO Electric | Material Management | | 8 | 8 | 10 | 10 | 3 | 3 | 3 | 3 | - | - | |
| 19 | | | | | | | | | | | | | | | |
| 20 | Total Affiliate Costs included in Operations and Maintenance | | | | | 1,057 | 1,268 | 1,276 | 1,361 | 1,699 | 1,991 | 2,127 | 1,963 | 1,073 | 1,086 |

The Yukon Electrical Company Limited
 2013 - 2015 General Rate Application
 Schedule of Depreciation Expense

Revised Schedule 7.1

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|----------------------------------|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | General Provision | S. 7.2, 7.3,7.4 L.51 | 3,585 | 3,892 | 4,108 | 4,559 | 4,641 | 4,997 | 5,736 | 6,267 | 3,760 | 4,067 |
| 2 | Amortization of Differences | S.7.5 L. 51 | (382) | (382) | (382) | (382) | (382) | (402) | (402) | (402) | (382) | (382) |
| 3 | Vehicle Depreciation Capitalized | S.8.6 L. 21 | (22) | (64) | (43) | (48) | (67) | (75) | (82) | (87) | (24) | (24) |
| 4 | Total Depreciation Expense | S.1.1 L.12 | <u>3,181</u> | <u>3,446</u> | <u>3,683</u> | <u>4,129</u> | <u>4,192</u> | <u>4,520</u> | <u>5,252</u> | <u>5,778</u> | <u>3,354</u> | <u>3,661</u> |

The Yukon Electrical Company Limited
 2013 - 2015 General Rate Application
 Calculation of Depreciation Expense 2013
 (\$000s)

Revised Schedule 7.2

| Line No. | Acct. | Description | Cross Ref. | 2013 Opening PPE | Depreciation Rate | Depreciation on Opening Balance | Net Capital Additions | Depreciation on Capital Additions | 2013 Total Depreciation |
|----------|--------|---|------------|------------------|-------------------|---------------------------------|-----------------------|-----------------------------------|-------------------------|
| 1 | | Production - Hydro | | | | | | | |
| 2 | | | | | | | | | |
| 3 | 422 00 | Hydro Structures | | 263 | 2.18% | 6 | 110 | 1 | 7 |
| 4 | 423 00 | Hydro Resv, Dams & Waterways | | 2,375 | 2.18% | 52 | 991 | 11 | 63 |
| 5 | 425 00 | Hydro Generators | | 2,676 | 2.44% | 65 | 1,116 | 14 | 79 |
| 6 | 426 00 | Hydro Accessory Electrical Equip | | 158 | 2.34% | 4 | 66 | 1 | 5 |
| 7 | 427 00 | Hydro Misc Equip | | 69 | 3.70% | 3 | 29 | 1 | 4 |
| 8 | | Total Production - Hydro | | 5,539 | | 130 | 2,311 | 28 | 158 |
| 9 | | | | | | | | | |
| 10 | | Production - Diesel | | | | | | | |
| 11 | 442 00 | Structures and Improvements - Other | | 2,238 | 2.71% | 61 | 438 | 6 | 67 |
| 12 | 444 00 | Fuel Holders, Producers, & Acc. Equipment - Other | | 3,138 | 2.97% | 93 | 615 | 9 | 102 |
| 13 | 445 00 | Generating Equipment & Prime Mover - Other | | 7,270 | 3.69% | 269 | 1,424 | 26 | 295 |
| 14 | 446 00 | Accessory Electric Equipment - Other | | 2,077 | 2.94% | 61 | 407 | 6 | 67 |
| 15 | 447 00 | Misc. Power Plant Equipment - Other | | 794 | 2.75% | 22 | 155 | 2 | 24 |
| 16 | | Total Production - Diesel | | 15,517 | | 506 | 3,039 | 49 | 555 |
| 17 | | | | | | | | | |
| 18 | | Transmission | | | | | | | |
| 19 | 457 00 | Substation Equipment | | 1,384 | 2.05% | 28 | - | - | 28 |
| 20 | | Total Transmission | | 1,384 | | 28 | - | - | 28 |
| 21 | | | | | | | | | |
| 22 | | Distribution Plant | | | | | | | |
| 23 | 471 00 | Land Rights | | 1,331 | 1.51% | 20 | 99 | 1 | 21 |
| 24 | 473 00 | Poles, Towers & Fixtures | | 34,533 | 2.40% | 830 | 2,492 | 30 | 860 |
| 25 | 474 00 | Overhead Conductor | | 22,282 | 2.31% | 515 | 1,659 | 19 | 534 |
| 26 | 474 10 | Services - Overhead | | 2,979 | 2.34% | 70 | 222 | 3 | 73 |
| 27 | 475 00 | Underground Conductor | | 22,880 | 2.41% | 550 | 1,688 | 20 | 570 |
| 28 | 475 10 | Services - Underground | | 3,097 | 2.61% | 81 | 231 | 3 | 84 |
| 29 | 476 10 | Meters | | 1,984 | 7.65% | 152 | 542 | 21 | 173 |
| 30 | 476 30 | AMR - Meters | | 68 | 7.31% | 5 | - | - | 5 |
| 31 | 477 10 | Substation Equipment | | 3,131 | 2.50% | 78 | 233 | 3 | 81 |
| 32 | 478 10 | Street Lighting | | 9,600 | 3.43% | 329 | 396 | 7 | 336 |
| 33 | 478 20 | Sentinel Lights | | 285 | 2.99% | 9 | - | - | 9 |
| 34 | 479 10 | Line Transformers | | 28,058 | 2.42% | 678 | 1,978 | 24 | 702 |
| 35 | | Total Distribution Plant | | 130,227 | | 3,317 | 9,539 | 131 | 3,448 |
| 36 | | | | | | | | | |
| 37 | | General Plant | | | | | | | |
| 38 | 482 00 | Structures & Improvements | | 3,634 | 2.63% | 96 | 1,124 | 15 | 111 |
| 39 | 483 00 | Office Furniture & Equipment | | 194 | 5.70% | 11 | 11 | - | 11 |
| 40 | 483 20 | Computer Equipment | | 47 | 18.73% | 9 | - | - | 9 |
| 41 | 484 00 | Transportation & Mobile Equipment | | 2,954 | 8.59% | 254 | 432 | 19 | 273 |
| 42 | 485 00 | Tool & Work Equipment | | 843 | 6.33% | 53 | 86 | 3 | 56 |
| 43 | 486 00 | Communication Structures & Equipment | | 938 | 5.50% | 52 | 65 | 2 | 54 |
| 44 | 488 20 | Company Housing | | 475 | 2.66% | 13 | - | - | 13 |
| 45 | 491 00 | Franchise & Consent | | 1 | 0.00% | - | - | - | - |
| 46 | 492 00 | Licence - Fish Lake | | 1,251 | 4.00% | - | 650 | 26 | 26 |
| 47 | 493 00 | Demand Side Management | | - | 20.00% | - | 389 | - | - |
| 48 | 496 00 | Software | | 2,204 | 10.00% | 220 | 705 | 35 | 255 |
| 49 | | Total General Plant | | 12,541 | | 708 | 3,462 | 100 | 808 |
| 50 | | | | | | | | | |
| 51 | | Plant Studied | | 165,208 | | 4,689 | 18,352 | 308 | 4,997 |
| 52 | | Plant Not Studied - Land | | 380 | | | | | |
| 53 | | Total Plant | S.8.6 L.10 | 165,588 | | | | | |

**Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Calculation of Depreciation Expense 2014
(\$000s)**

Revised Schedule 7.3

| Line No. | Acct. | Description | Cross Ref. | 2014 Opening PPE | Depreciation Rate | Depreciation on Opening Balance | Net Capital Additions | Depreciation on Capital Additions | 2014 Total Depreciation |
|----------|--------|---|------------|------------------|-------------------|---------------------------------|-----------------------|-----------------------------------|-------------------------|
| 1 | | Production - Hydro | | | | | | | |
| 2 | | | | | | | | | |
| 3 | 422 00 | Hydro Structures | | 372 | 2.42% | 9 | 157 | 2 | 11 |
| 4 | 423 00 | Hydro Resv, Dams & Waterways | | 3,365 | 2.30% | 78 | 1,421 | 16 | 94 |
| 5 | 425 00 | Hydro Generators | | 3,792 | 2.49% | 94 | 1,601 | 20 | 114 |
| 6 | 426 00 | Hydro Accessory Electrical Equip | | 224 | 2.52% | 6 | 94 | 1 | 7 |
| 7 | 427 00 | Hydro Misc Equip | | 97 | 3.92% | 4 | 41 | 1 | 5 |
| 8 | | Total Production - Hydro | | 7,850 | | 191 | 3,315 | 40 | 231 |
| 9 | | | | | | | | | |
| 10 | | Production - Diesel | | | | | | | |
| 11 | 442 00 | Structures and Improvements - Other | | 2,677 | 2.78% | 75 | 596 | 8 | 83 |
| 12 | 444 00 | Fuel Holders, Producers, & Acc. Equipment - Other | | 3,752 | 2.98% | 112 | 835 | 12 | 124 |
| 13 | 445 00 | Generating Equipment & Prime Mover - Other | | 8,695 | 3.76% | 327 | 1,934 | 36 | 363 |
| 14 | 446 00 | Accessory Electric Equipment - Other | | 2,483 | 3.00% | 74 | 552 | 8 | 82 |
| 15 | 447 00 | Misc. Power Plant Equipment - Other | | 949 | 2.76% | 26 | 211 | 3 | 29 |
| 16 | | Total Production - Diesel | | 18,556 | | 614 | 4,129 | 67 | 681 |
| 17 | | | | | | | | | |
| 18 | | Transmission | | | | | | | |
| 19 | 457 00 | Substation Equipment | | 1,384 | 2.04% | 28 | - | - | 28 |
| 20 | | Total Transmission | | 1,384 | | 28 | - | - | 28 |
| 21 | | | | | | | | | |
| 22 | | Distribution Plant | | | | | | | |
| 23 | 471 00 | Land Rights | | 1,430 | 1.50% | 21 | 108 | 1 | 22 |
| 24 | 473 00 | Poles, Towers & Fixtures | | 37,025 | 2.40% | 888 | 2,726 | 33 | 921 |
| 25 | 474 00 | Overhead Conductor | | 23,941 | 2.31% | 553 | 1,811 | 21 | 574 |
| 26 | 474 10 | Services - Overhead | | 3,201 | 2.34% | 75 | 242 | 3 | 78 |
| 27 | 475 00 | Underground Conductor | | 24,568 | 2.40% | 591 | 1,843 | 22 | 613 |
| 28 | 475 10 | Services - Underground | | 3,328 | 2.60% | 87 | 252 | 3 | 90 |
| 29 | 476 10 | Meters | | 2,525 | 8.09% | 204 | 77 | 3 | 207 |
| 30 | 476 30 | AMR - Meters | | 68 | 7.13% | 5 | - | - | 5 |
| 31 | 477 10 | Substation Equipment | | 3,364 | 2.50% | 84 | 254 | 3 | 87 |
| 32 | 478 10 | Street Lighting | | 9,996 | 3.41% | 341 | 945 | 16 | 357 |
| 33 | 478 20 | Sentinel Lights | | 285 | 2.93% | 8 | - | - | 8 |
| 34 | 479 10 | Line Transformers | | 30,035 | 2.41% | 725 | 2,268 | 27 | 752 |
| 35 | | Total Distribution Plant | | 139,766 | | 3,582 | 10,526 | 132 | 3,714 |
| 36 | | | | | | | | | |
| 37 | | General Plant | | | | | | | |
| 38 | 482 00 | Structures & Improvements | | 4,758 | 2.67% | 127 | 315 | 4 | 131 |
| 39 | 483 00 | Office Furniture & Equipment | | 205 | 6.67% | 14 | 9 | - | 14 |
| 40 | 483.20 | Computer Equipment | | 47 | 20.00% | 9 | - | - | 9 |
| 41 | 484 00 | Transportation & Mobile Equipment | | 3,386 | 8.79% | 298 | 868 | 38 | 336 |
| 42 | 485 00 | Tool & Work Equipment | | 930 | 6.67% | 62 | 137 | 5 | 67 |
| 43 | 486 00 | Communication Structures & Equipment | | 1,003 | 6.67% | 67 | 11 | - | 67 |
| 44 | 488 20 | Company Housing | | 475 | 2.65% | 13 | - | - | 13 |
| 45 | 491 00 | Franchise & Consent | | 1 | 0.00% | - | - | - | - |
| 46 | 492 00 | Licence - Fish Lake | | 1,901 | 4.00% | 76 | - | - | 76 |
| 47 | 493 00 | Demand Side Management | | 389 | 20.00% | 78 | - | - | 78 |
| 48 | 496 00 | Software | | 2,909 | 10.00% | 291 | 7 | - | 291 |
| 49 | | Total General Plant | | 16,004 | | 1,035 | 1,347 | 47 | 1,082 |
| 50 | | | | | | | | | |
| 51 | | Plant Studied | | 183,560 | | 5,450 | 19,317 | 286 | 5,736 |
| 52 | | Plant Not Studied -Land | | 380 | | | | | |
| 53 | | Total Plant | S.8.6 L.10 | 183,940 | | | | | |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Calculation of Depreciation Expense 2015
(\$000s)

Revised Schedule 7.4

| Line No. | Acct. | Description | Cross Ref. | 2015 Opening PPE | Depreciation Rate | Depreciation on Opening Balance | Net Capital Additions | Depreciation on Capital Additions | 2015 Total Depreciation |
|----------|--------|---|------------|------------------|-------------------|---------------------------------|-----------------------|-----------------------------------|-------------------------|
| 1 | | Production - Hydro | | | | | | | |
| 2 | | | | | | | | | |
| 3 | 422 00 | Hydro Structures | | 529 | 2.60% | 14 | - | - | 14 |
| 4 | 423 00 | Hydro Resv, Dams & Waterways | | 4,786 | 2.41% | 116 | - | - | 116 |
| 5 | 425 00 | Hydro Generators | | 5,393 | 2.55% | 137 | - | - | 137 |
| 6 | 426 00 | Hydro Accessory Electrical Equip | | 318 | 2.66% | 8 | - | - | 8 |
| 7 | 427 00 | Hydro Misc Equip | | 138 | 4.06% | 6 | - | - | 6 |
| 8 | | Total Production - Hydro | | 11,165 | | 281 | - | - | 281 |
| 9 | | | | | | | | | |
| 10 | | Production - Diesel | | | | | | | |
| 11 | 442 00 | Structures and Improvements - Other | | 3,272 | 2.82% | 92 | 365 | 5 | 97 |
| 12 | 444 00 | Fuel Holders, Producers, & Acc. Equipment - Other | | 4,587 | 2.99% | 137 | 512 | 8 | 145 |
| 13 | 445 00 | Generating Equipment & Prime Mover - Other | | 10,629 | 3.82% | 406 | 1,186 | 23 | 429 |
| 14 | 446 00 | Accessory Electric Equipment - Other | | 3,036 | 3.04% | 92 | 339 | 5 | 97 |
| 15 | 447 00 | Misc. Power Plant Equipment - Other | | 1,160 | 2.77% | 32 | 129 | 2 | 34 |
| 16 | | Total Production - Diesel | | 22,685 | | 759 | 2,531 | 43 | 802 |
| 17 | | | | | | | | | |
| 18 | | Transmission | | | | | | | |
| 19 | 457 00 | Substation Equipment | | 1,384 | 2.04% | 28 | - | - | 28 |
| 20 | | Total Transmission | | 1,384 | | 28 | - | - | 28 |
| 21 | | | | | | | | | |
| 22 | | Distribution Plant | | | | | | | |
| 23 | 471 00 | Land Rights | | 1,538 | 1.50% | 23 | 104 | 1 | 24 |
| 24 | 473 00 | Poles, Towers & Fixtures | | 39,751 | 2.40% | 954 | 2,597 | 31 | 985 |
| 25 | 474 00 | Overhead Conductor | | 25,752 | 2.31% | 595 | 1,734 | 20 | 615 |
| 26 | 474 10 | Services - Overhead | | 3,443 | 2.34% | 81 | 232 | 3 | 84 |
| 27 | 475 00 | Underground Conductor | | 26,411 | 2.40% | 635 | 1,762 | 21 | 656 |
| 28 | 475 10 | Services - Underground | | 3,580 | 2.60% | 93 | 241 | 3 | 96 |
| 29 | 476 10 | Meters | | 2,602 | 7.64% | 199 | 80 | 3 | 202 |
| 30 | 476 30 | AMR - Meters | | 68 | 6.95% | 5 | - | - | 5 |
| 31 | 477 10 | Substation Equipment | | 3,619 | 2.50% | 91 | 244 | 3 | 94 |
| 32 | 478 10 | Street Lighting | | 10,941 | 3.42% | 374 | 813 | 14 | 388 |
| 33 | 478 20 | Sentinel Lights | | 285 | 2.87% | 8 | - | - | 8 |
| 34 | 479 10 | Line Transformers | | 32,303 | 2.41% | 778 | 2,163 | 26 | 804 |
| 35 | | Total Distribution Plant | | 150,292 | | 3,836 | 9,969 | 125 | 3,961 |
| 36 | | | | | | | | | |
| 37 | | General Plant | | | | | | | |
| 38 | 482 00 | Structures & Improvements | | 5,073 | 2.66% | 135 | 305 | 4 | 139 |
| 39 | 483 00 | Office Furniture & Equipment | | 214 | 6.67% | 14 | 2 | - | 14 |
| 40 | 483.20 | Computer Equipment | | 47 | 20.00% | 9 | - | - | 9 |
| 41 | 484 00 | Transportation & Mobile Equipment | | 4,254 | 9.31% | 396 | 730 | 34 | 430 |
| 42 | 485 00 | Tool & Work Equipment | | 1,066 | 6.67% | 71 | 84 | 3 | 74 |
| 43 | 486 00 | Communication Structures & Equipment | | 1,014 | 6.67% | 68 | 12 | - | 68 |
| 44 | 488 20 | Company Housing | | 475 | 2.63% | 12 | - | - | 12 |
| 45 | 491 00 | Franchise & Consent | | 1 | 0.00% | - | - | - | - |
| 46 | 492 00 | Licence - Fish Lake | | 1,901 | 4.00% | 76 | - | - | 76 |
| 47 | 493 00 | Demand Side Management | | 389 | 20.00% | 78 | - | - | 78 |
| 48 | 496 00 | Software | | 2,916 | 10.00% | 292 | 57 | 3 | 295 |
| 49 | | Total General Plant | | 17,351 | | 1,151 | 1,190 | 44 | 1,195 |
| 50 | | | | | | | | | |
| 51 | | Plant Studied | | 202,877 | | 6,055 | 13,690 | 212 | 6,267 |
| 52 | | Plant Not Studied -Land | | 380 | | | | | |
| 53 | | Total Plant | S.8.6 L.10 | 203,257 | | | | | |

The Yukon Electrical Company Limited
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 Schedule of Amortization of Differences
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| Line No. | Acct. | Description | Cross Ref. | YFR/ Curve | Life | Net Salvage | Depn. Rates | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|--------|---|-------------|------------|------|-------------|-------------|-------------|-------------|-------------|-------|-------|-------------------|-------------------|
| | | | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | | Production - Hydro | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | 422 00 | Hydro Structures | | R2 | 72 | -10% | 3.36% | (14) | (14) | (2) | (2) | (2) | (14) | (14) |
| 4 | 423 00 | Hydro Resv, Dams & Waterways | | R3 | 103 | -10% | 3.36% | - | - | (9) | (9) | (9) | - | - |
| 5 | 425 00 | Hydro Generators | | R3 | 85 | -10% | 3.36% | - | - | (4) | (4) | (4) | - | - |
| 6 | 426 00 | Hydro Accessory Electrical Equip | | R3 | 45 | -10% | 3.36% | - | - | (2) | (2) | (2) | - | - |
| 7 | 427 00 | Hydro Misc Equip | | R2 | 30 | -10% | 3.36% | - | - | (1) | (1) | (1) | - | - |
| 8 | | Total Production - Hydro | | | | | | (14) | (14) | (17) | (17) | (17) | (14) | (14) |
| 9 | | | | | | | | | | | | | | |
| 10 | | Production - Diesel | | | | | | | | | | | | |
| 11 | 442 00 | Structures and Improvements - Other | | R2.5 | 40 | -10% | 2.74% | (6) | (6) | (6) | (6) | (6) | (6) | (6) |
| 12 | 444 00 | Fuel Holders, Producers, & Acc. Equipment - Other | | R4 | 35 | -20% | 3.00% | (8) | (8) | (8) | (8) | (8) | (8) | (8) |
| 13 | 445 00 | Generating Equipment & Prime Mover - Other | | R2.5 | 26 | -10% | 3.69% | (40) | (40) | 16 | 16 | 16 | (40) | (40) |
| 14 | 446 00 | Accessory Electric Equipment - Other | | R3 | 35 | 0% | 3.00% | (15) | (15) | (10) | (10) | (10) | (15) | (15) |
| 15 | 447 00 | Misc. Power Plant Equipment - Other | | R3 | 40 | 0% | 3.15% | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| 16 | | Total Production - Diesel | | | | | | (71) | (71) | (10) | (10) | (10) | (71) | (71) |
| 17 | | | | | | | | | | | | | | |
| 18 | | Transmission | | | | | | | | | | | | |
| 19 | 457 00 | Substation Equipment | | R4 | 50 | -10% | 2.55% | (3) | (3) | (7) | (7) | (7) | (3) | (3) |
| 20 | | Total Transmission | | | | | | (3) | (3) | (7) | (7) | (7) | (3) | (3) |
| 21 | | | | | | | | | | | | | | |
| 22 | | Distribution Plant | | | | | | | | | | | | |
| 23 | 471 00 | Land Rights | | R3 | 75 | 0% | 1.52% | - | - | 0 | 0 | 0 | - | - |
| 24 | 473 00 | Poles, Towers & Fixtures | | R3 | 45 | -75% | 2.67% | (75) | (75) | (75) | (75) | (75) | (75) | (75) |
| 25 | 474 00 | Overhead Conductor | | R4 | 45 | -80% | 2.69% | (24) | (24) | (37) | (37) | (37) | (24) | (24) |
| 26 | 474 10 | Services - Overhead | | R3 | 45 | -10% | 2.62% | (7) | (7) | (7) | (7) | (7) | (7) | (7) |
| 27 | 475 00 | Underground Conductor | | R3 | 45 | -50% | 2.11% | (5) | (5) | 14 | 14 | 14 | (5) | (5) |
| 28 | 475 10 | Services - Underground | | R4 | 40 | -10% | 2.63% | (6) | (6) | (4) | (4) | (4) | (6) | (6) |
| 29 | 476 10 | Meters | | L0 | 15 | 0% | 4.06% | - | - | 60 | 60 | 60 | - | - |
| 30 | 476 30 | AMR - Meters | | R2.5 | 15 | 0% | 4.54% | - | - | 1 | 1 | 1 | - | - |
| 31 | 477 10 | Substation Equipment | | R4 | 40 | -10% | 2.92% | (6) | (6) | (16) | (16) | (16) | (6) | (6) |
| 32 | 478 10 | Street Lighting | | R3 | 30 | -10% | 4.13% | (61) | (61) | (64) | (64) | (64) | (61) | (61) |
| 33 | 478 20 | Sentinel Lights | | R2 | 23 | 0% | 3.37% | - | - | (18) | (18) | (18) | - | - |
| 34 | 479 10 | Line Transformers | | R3 | 45 | -10% | 3.04% | (69) | (69) | (84) | (84) | (84) | (69) | (69) |
| 35 | | Total Distribution Plant | | | | | | (253) | (253) | (231) | (231) | (231) | (253) | (253) |
| 36 | | | | | | | | | | | | | | |
| 37 | | General Plant | | | | | | | | | | | | |
| 38 | 482 00 | Structures & Improvements | | L3 | 40 | 0% | 3.19% | - | - | (15) | (15) | (15) | - | - |
| 39 | 483 00 | Office Furniture & Equipment | | SQ | 15 | 0% | 4.49% | 2 | 2 | 8 | 8 | 8 | 2 | 2 |
| 40 | 483.20 | Computer Hardware/Software | | SQ | 5 | 0% | 20.00% | - | - | 6 | 6 | 6 | - | - |
| 41 | 484 00 | Transportation & Mobile Equipment | | L0 | 12 | 25% | 10.82% | (51) | (51) | (73) | (73) | (73) | (51) | (51) |
| 42 | 485 00 | Tool & Work Equipment | | SQ | 15 | 0% | 6.54% | (3) | (3) | 4 | 4 | 4 | (3) | (3) |
| 43 | 486 00 | Communication Structures & Equipment | | SQ | 15 | 0% | 5.79% | 11 | 11 | 4 | 4 | 4 | 11 | 11 |
| 44 | 488 20 | Company Housing | | R3 | 40 | 10% | 2.47% | - | - | (72) | (72) | (72) | - | - |
| 45 | 491 00 | Franchise & Consent | | | | | | - | - | - | - | - | - | - |
| 46 | 492 00 | Licence - Fish Lake | | | | | | - | - | - | - | - | - | - |
| 47 | 493 00 | Demand Side Management | | | | | | - | - | - | - | - | - | - |
| 48 | 496 00 | Software | | S3 | 10 | 0% | 10.00% | - | - | - | - | - | - | - |
| 49 | | Total General Plant | | | | | | (41) | (41) | (138) | (138) | (138) | (41) | (41) |
| 50 | | | | | | | | | | | | | | |
| 51 | | Total Amortization of Differences | S. 7.1 L. 2 | | | | | (382) | (382) | (402) | (402) | (402) | (382) | (382) |

**The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Return on Rate Base
(\$000s)**

**Revised Schedule 8.1
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| Line No. | Description | Cross Ref. | Mid Year Balance | Ratio | Mid Year Rate Base | Mid Year Cost Rate | Return |
|----------|---------------------------|--------------------------|------------------|---------------|--------------------|--------------------|--------------|
| 1 | <u>2008 Actual</u> | | | | | | |
| 2 | Long-Term Debt | S.8.2 L.19 | 24,575 | 56.81% | 26,100 | 6.97% | 1,819 |
| 3 | Common Stock | | 17,994 | 41.59% | 19,110 | 7.03% | 1,344 |
| 4 | No Cost Capital | S.8.4 L.8 | 693 | 1.60% | 735 | 0.00% | - |
| 5 | Total | S.8.5 L.21 S.1.1 L.15 | <u>43,262</u> | <u>100.0%</u> | <u>45,946</u> | <u>6.88%</u> | <u>3,163</u> |
| 6 | <u>2009 Actual</u> | | | | | | |
| 7 | Long-Term Debt | S.8.2 L.42 | 27,650 | 57.34% | 28,166 | 6.73% | 1,895 |
| 8 | Common Stock | | 19,866 | 41.20% | 20,236 | 11.35% | 2,296 |
| 9 | No Cost Capital | S.8.4 L.8 | 702 | 1.45% | 715 | 0.00% | - |
| 10 | Total | S.8.5 L.21 S.1.1 L.15 | <u>48,217</u> | <u>100.0%</u> | <u>49,116</u> | <u>8.53%</u> | <u>4,191</u> |
| 11 | <u>2010 Actual</u> | | | | | | |
| 12 | Long-Term Debt | S.8.2 L.63 | 29,950 | 57.27% | 28,649 | 6.58% | 1,884 |
| 13 | Common Stock | | 21,682 | 41.46% | 20,740 | 10.54% | 2,187 |
| 14 | No Cost Capital | S.8.4 L.8 | 666 | 1.27% | 637 | 0.00% | - |
| 15 | Total | S.8.5 L.21 S.1.1 L.15 | <u>52,298</u> | <u>100.0%</u> | <u>50,026</u> | <u>8.14%</u> | <u>4,071</u> |
| 16 | <u>2011 Actual</u> | | | | | | |
| 17 | Long-Term Debt | S.8.2 L.85 | 32,450 | 57.36% | 30,062 | 6.42% | 1,931 |
| 18 | Common Stock | | 23,472 | 41.49% | 21,745 | 10.74% | 2,335 |
| 19 | No Cost Capital | S.8.4 L.8 | 649 | 1.15% | 601 | 0.00% | - |
| 20 | Total | S.8.5 L.21 S.1.1 L.15 | <u>56,571</u> | <u>100.0%</u> | <u>52,408</u> | <u>8.14%</u> | <u>4,266</u> |
| 21 | <u>2012 Actual</u> | | | | | | |
| 22 | Long-Term Debt | S.8.2 L.107 | 36,950 | 58.35% | 35,031 | 6.16% | 2,158 |
| 23 | Common Stock | | 25,740 | 40.65% | 24,403 | 10.18% | 2,484 |
| 24 | No Cost Capital | S.8.4 L.8 | 631 | 1.00% | 598 | 0.00% | - |
| 25 | Total | S.8.5 L.21 S.1.1 L.15 | <u>63,321</u> | <u>100.0%</u> | <u>60,033</u> | <u>7.73%</u> | <u>4,642</u> |

**The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Return on Rate Base
(\$000s)**

**Revised Schedule 8.1
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| Line No. | Description | Cross Ref. | Mid Year Balance | Ratio | Mid Year Rate Base | Mid Year Cost Rate | Return |
|----------|---------------------------------|--------------------------|------------------|---------------|--------------------|--------------------|--------------|
| 26 | <u>2013 Test Period</u> | | | | | | |
| 27 | Long-Term Debt | S.8.3 L.23 | 43,500 | 59.89% | 43,261 | 5.91% | 2,557 |
| 28 | Common Stock | | 29,000 | 39.92% | 28,840 | 8.75% | 2,523 |
| 29 | No Cost Capital | S.8.4 L.8 | 137 | 0.19% | 136 | 0.00% | - |
| 30 | Total | S.8.5 L.21 S.1.1 L.15 | <u>72,637</u> | <u>100.0%</u> | <u>72,237</u> | <u>7.03%</u> | <u>5,080</u> |
| 31 | <u>2014 Test Period</u> | | | | | | |
| 32 | Long-Term Debt | S.8.3 L.48 | 51,000 | 60.06% | 51,084 | 5.78% | 2,955 |
| 33 | Common Stock | | 34,000 | 40.04% | 34,056 | 8.75% | 2,981 |
| 34 | No Cost Capital | S.8.4 L.8 | (92) | -0.11% | (92) | 0.00% | - |
| 35 | Total | S.8.5 L.21 S.1.1 L.15 | <u>84,909</u> | <u>100.0%</u> | <u>85,048</u> | <u>6.98%</u> | <u>5,936</u> |
| 36 | <u>2015 Test Period</u> | | | | | | |
| 37 | Long-Term Debt | S.8.3 L.73 | 56,400 | 59.73% | 56,542 | 5.74% | 3,245 |
| 38 | Common Stock | | 37,600 | 39.82% | 37,695 | 8.75% | 3,300 |
| 39 | No Cost Capital | S.8.4 L.8 | 422 | 0.45% | 423 | 0.00% | - |
| 40 | Total | S.8.5 L.21 S.1.1 L.15 | <u>94,422</u> | <u>100.0%</u> | <u>94,660</u> | <u>6.91%</u> | <u>6,545</u> |
| 41 | <u>2008 GRA Approved</u> | | | | | | |
| 42 | Long-Term Debt | S.8.2 L.126 | 26,621 | 59.11% | 27,244 | 6.87% | 1,870 |
| 43 | Common Stock | | 17,747 | 39.41% | 18,162 | 9.08% | 1,649 |
| 44 | No Cost Capital | S.8.4 L.8 | 669 | 1.49% | 685 | 0.00% | - |
| 45 | Total | S.8.5 L.21 S.1.1 L.15 | <u>45,037</u> | <u>100%</u> | <u>46,091</u> | <u>7.63%</u> | <u>3,519</u> |
| 46 | <u>2009 GRA Approved</u> | | | | | | |
| 47 | Long-Term Debt | S.8.2 L.148 | 29,730 | 59.17% | 29,276 | 6.60% | 1,934 |
| 48 | Common Stock | | 19,820 | 39.45% | 19,517 | 8.92% | 1,741 |
| 49 | No Cost Capital | S.8.4 L.8 | 695 | 1.38% | 684 | 0.00% | - |
| 50 | Total | S.8.5 L.21 S.1.1 L.15 | <u>50,245</u> | <u>100%</u> | <u>49,478</u> | <u>7.43%</u> | <u>3,675</u> |

The Yukon Electrical Company Limited
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Schedule of Debt Capital Employed and Embedded Cost 2008 - 2012
(\$000s)

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Line
No.

| 2008 Actual | | | | | | | | | | | |
|--------------------|---------------|--------------|---------------|-----------------|----------------|-----------------------------|---------------------|------------------|--------------------|-----------------|------------------|
| | | | | | | Net Capital Employed | | | | | |
| | | | | | | Principal | Per \$100 of | Principal | | Average | |
| | | | | | | Amount | Principal | Effective | Outstanding | Carrying | Embedded |
| Description | Series | Issue | Coupon | Maturity | Amount | Total | Amount | Cost Rate | 31-Dec-08 | Cost | Cost Rate |
| | | Date | Rate | Date | Offered | Amount | Amount | Cost Rate | 31-Dec-08 | Cost | Cost Rate |
| 5 | C | 1989-11-30 | 10.28% | 2009 | 2,000 | 2,000 | 100.00 | 10.33% | 2,000 | 207 | |
| 6 | D | 1990-11-28 | 11.85% | 2020 | 1,500 | 1,500 | 100.00 | 11.91% | 1,500 | 179 | |
| 7 | E | 1992-05-08 | 9.46% | 2023 | 2,500 | 2,500 | 100.00 | 9.51% | 2,500 | 238 | |
| 8 | K | 1999-08-13 | 6.80% | 2019 | 4,500 | 4,500 | 100.00 | 6.85% | 4,500 | 308 | |
| 9 | N | 2002-11-22 | 6.16% | 2017 | 3,900 | 3,900 | 100.00 | 6.21% | 3,900 | 242 | |
| 10 | O | 2004-01-23 | 5.42% | 2019 | 1,000 | 1,000 | 100.00 | 5.47% | 1,000 | 55 | |
| 11 | P | 2004-11-18 | 5.11% | 2014 | 500 | 500 | 100.00 | 5.16% | 500 | 26 | |
| 12 | Q | 2005-11-21 | 5.18% | 2035 | 4,300 | 4,300 | 100.00 | 5.23% | 4,300 | 225 | |
| 13 | R | 2006-11-20 | 5.02% | 2036 | 3,000 | 3,000 | 100.00 | 5.07% | 3,000 | 152 | |
| 14 | S | 2008-05-26 | 5.57% | 2038 | 1,290 | 1,290 | 100.00 | 5.62% | 1,290 | 72 | |
| 15 | T | 2008-05-26 | 5.56% | 2028 | 860 | 860 | 100.00 | 5.61% | 860 | 48 | |
| 16 | Total | | | | 25,350 | | | | 25,350 | 1,752 | 6.91% |
| 17 | Prior Year | | | | | | | | 23,800 | 1,673 | 7.03% |
| 18 | Total | | | | | | | | 49,150 | 3,425 | |
| 19 | Mid Year | | | | | | | | 24,575 | 1,712 | 6.97% |
| 20 | | | | | | | | | | | |
| 2009 Actual | | | | | | | | | | | |
| | | | | | | Net Capital Employed | | | | | |
| | | | | | | Principal | Per \$100 of | Principal | | Average | |
| | | | | | | Amount | Principal | Effective | Outstanding | Carrying | Embedded |
| Description | Series | Issue | Coupon | Maturity | Amount | Total | Amount | Cost Rate | 31-Dec-09 | Cost | Cost Rate |
| | | Date | Rate | Date | Offered | Amount | Amount | Cost Rate | 31-Dec-09 | Cost | Cost Rate |
| 25 | C | 1989-11-30 | 10.28% | 2009 | 2,000 | 2,000 | 100.00 | 10.33% | - | - | |
| 26 | D | 1990-11-28 | 11.85% | 2020 | 1,500 | 1,500 | 100.00 | 11.91% | 1,500 | 179 | |
| 27 | E | 1992-05-08 | 9.46% | 2023 | 2,500 | 2,500 | 100.00 | 9.51% | 2,500 | 238 | |
| 28 | K | 1999-08-13 | 6.80% | 2019 | 4,500 | 4,500 | 100.00 | 6.85% | 4,500 | 308 | |
| 29 | L | 2000-06-02 | 7.00% | 2008 | - | - | - | 7.05% | - | - | |
| 30 | N | 2002-11-22 | 6.16% | 2017 | 3,900 | 3,900 | 100.00 | 6.21% | 3,900 | 242 | |
| 31 | O | 2004-01-23 | 5.42% | 2019 | 1,000 | 1,000 | 100.00 | 5.47% | 1,000 | 55 | |
| 32 | P | 2004-11-18 | 5.11% | 2014 | 500 | 500 | 100.00 | 5.16% | 500 | 26 | |
| 33 | Q | 2005-11-21 | 5.18% | 2035 | 4,300 | 4,300 | 100.00 | 5.23% | 4,300 | 225 | |
| 34 | R | 2006-11-20 | 5.02% | 2036 | 3,000 | 3,000 | 100.00 | 5.07% | 3,000 | 152 | |
| 35 | S | 2008-05-26 | 5.66% | 2028 | 860 | 860 | 100.00 | 5.61% | 860 | 48 | |
| 36 | T | 2008-05-26 | 5.67% | 2038 | 1,290 | 1,290 | 100.00 | 5.62% | 1,290 | 72 | |
| 37 | U | 2009-03-06 | | 2024 | 2,900 | 2,900 | 100.00 | 6.28% | 2,900 | 182 | |
| 38 | V | 2009-03-06 | | 2039 | 3,700 | 3,700 | 100.00 | 6.55% | 3,700 | 242 | |
| 39 | Total | | | | 31,950 | | | | 29,950 | 1,970 | 6.58% |
| 40 | Prior Year | | | | | | | | 25,350 | 1,752 | 6.91% |
| 41 | Total | | | | | | | | 55,300 | 3,721 | |
| 42 | Mid Year | | | | | | | | 27,650 | 1,861 | 6.73% |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Schedule of Debt Capital Employed and Embedded Cost 2008 - 2012
(\$000s)

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| Line No. | | | | | | | | | | | | |
|-----------------------------|--------------------|------------|-------------|---------------|-------------------|--------------|------------------|---------------------|---------------------------------|---------------|----------------------------|-------|
| <u>Net Capital Employed</u> | | | | | | | | | | | | |
| Per \$100 of | | | | | | | | | | | | |
| Description | Series | Issue Date | Coupon Rate | Maturity Date | Principal Offered | Total Amount | Principal Amount | Effective Cost Rate | Principal Outstanding 31-Dec-10 | Carrying Cost | Average Embedded Cost Rate | |
| 43 | 2010 Actual | | | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | |
| 46 | | | | | | | | | | | | |
| 47 | | D | 1990-11-28 | 11.85% | 2020 | 1,500 | 1,500 | 100.00 | 11.91% | 1,500 | 179 | |
| 48 | | E | 1992-05-08 | 9.46% | 2023 | 2,500 | 2,500 | 100.00 | 9.51% | 2,500 | 238 | |
| 49 | | K | 1999-08-13 | 6.80% | 2019 | 4,500 | 4,500 | 100.00 | 6.85% | 4,500 | 308 | |
| 50 | | L | 2000-06-02 | 7.00% | 2008 | - | - | - | 7.05% | - | - | |
| 51 | | N | 2002-11-22 | 6.16% | 2017 | 3,900 | 3,900 | 100.00 | 6.21% | 3,900 | 242 | |
| 52 | | O | 2004-01-23 | 5.42% | 2019 | 1,000 | 1,000 | 100.00 | 5.47% | 1,000 | 55 | |
| 53 | | P | 2004-11-18 | 5.11% | 2014 | 500 | 500 | 100.00 | 5.16% | 500 | 26 | |
| 54 | | Q | 2005-11-21 | 5.18% | 2035 | 4,300 | 4,300 | 100.00 | 5.23% | 4,300 | 225 | |
| 55 | | R | 2006-11-20 | 5.02% | 2036 | 3,000 | 3,000 | 100.00 | 5.07% | 3,000 | 152 | |
| 56 | | S | 2008-05-26 | 5.66% | 2028 | 860 | 860 | 100.00 | 5.61% | 860 | 48 | |
| 57 | | T | 2008-05-26 | 5.67% | 2038 | 1,290 | 1,290 | 100.00 | 5.62% | 1,290 | 72 | |
| 58 | | U | 2009-03-06 | 6.78% | 2024 | 2,900 | 2,900 | 100.00 | 6.28% | 2,900 | 182 | |
| 59 | | V | 2009-03-06 | 7.05% | 2039 | 3,700 | 3,700 | 100.00 | 6.55% | 3,700 | 242 | |
| 60 | Total | | | | | 29,950 | | | | 29,950 | 1,970 | 6.58% |
| 61 | Prior Year | | | | | | | | | 29,950 | 1,970 | 6.58% |
| 62 | Total | | | | | | | | | 59,900 | 3,939 | |
| 63 | Mid Year | | | | | | | | | 29,950 | 1,970 | 6.58% |
| 64 | | | | | | | | | | | | |
| 65 | 2011 Actual | | | | | | | | | | | |
| 66 | | | | | | | | | | | | |
| 67 | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | |
| 69 | | D | 1990-11-28 | 11.85% | 2020 | 1,500 | 1,500 | 100.00 | 11.91% | 1,500 | 179 | |
| 70 | | E | 1992-05-08 | 9.46% | 2023 | 2,500 | 2,500 | 100.00 | 9.51% | 2,500 | 238 | |
| 71 | | K | 1999-08-13 | 6.80% | 2019 | 4,500 | 4,500 | 100.00 | 6.85% | 4,500 | 308 | |
| 72 | | N | 2002-11-22 | 6.16% | 2017 | 3,900 | 3,900 | 100.00 | 6.21% | 3,900 | 242 | |
| 73 | | O | 2004-01-23 | 5.42% | 2019 | 1,000 | 1,000 | 100.00 | 5.47% | 1,000 | 55 | |
| 74 | | P | 2004-11-18 | 5.11% | 2014 | 500 | 500 | 100.00 | 5.16% | 500 | 26 | |
| 75 | | Q | 2005-11-21 | 5.18% | 2035 | 4,300 | 4,300 | 100.00 | 5.23% | 4,300 | 225 | |
| 76 | | R | 2006-11-20 | 5.02% | 2036 | 3,000 | 3,000 | 100.00 | 5.07% | 3,000 | 152 | |
| 77 | | S | 2008-05-26 | 5.66% | 2028 | 860 | 860 | 100.00 | 5.61% | 860 | 48 | |
| 78 | | T | 2008-05-26 | 5.67% | 2038 | 1,290 | 1,290 | 100.00 | 5.62% | 1,290 | 72 | |
| 79 | | U | 2009-03-06 | 6.78% | 2024 | 2,900 | 2,900 | 100.00 | 6.28% | 2,900 | 182 | |
| 80 | | V | 2009-03-06 | 7.05% | 2039 | 3,700 | 3,700 | 100.00 | 6.55% | 3,700 | 242 | |
| 81 | | W | 2011-10-24 | 5.08% | 2041 | 5,000 | 5,000 | 100.00 | 4.58% | 5,000 | 229 | |
| 82 | Total | | | | | 34,950 | | | | 34,950 | 2,199 | 6.29% |
| 83 | Prior Year | | | | | | | | | 29,950 | 1,970 | 6.58% |
| 84 | Total | | | | | | | | | 64,900 | 4,168 | |
| 85 | Mid Year | | | | | | | | | 32,450 | 2,084 | 6.42% |

The Yukon Electrical Company Limited
 2013 - 2015 General Rate Application
 Schedule of Debt Capital Employed and Embedded Cost 2008 - 2012
 (\$000s)

Line
 No.

| Line No. | Description | Series | Issue Date | Coupon Rate | Maturity Date | Net Capital Employed | | | | Principal Outstanding 31-Dec-12 | Carrying Cost | Average Embedded Cost Rate |
|----------|--------------------|--------|------------|-------------|---------------|--------------------------|--------------|-------------------------------|---------------------|---------------------------------|---------------|----------------------------|
| | | | | | | Principal Amount Offered | Total Amount | Per \$100 of Principal Amount | Effective Cost Rate | | | |
| 86 | <u>2012 Actual</u> | | | | | | | | | | | |
| 87 | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | |
| 90 | | D | 1990-11-28 | 11.85% | 2020 | 1,500 | 1,500 | 100.00 | 11.91% | 1,500 | 179 | |
| 91 | | E | 1992-05-08 | 9.46% | 2023 | 2,500 | 2,500 | 100.00 | 9.51% | 2,500 | 238 | |
| 92 | | K | 1999-08-13 | 6.80% | 2019 | 4,500 | 4,500 | 100.00 | 6.85% | 4,500 | 308 | |
| 93 | | N | 2002-11-22 | 6.16% | 2017 | 3,900 | 3,900 | 100.00 | 6.21% | 3,900 | 242 | |
| 94 | | O | 2004-01-23 | 5.42% | 2019 | 1,000 | 1,000 | 100.00 | 5.47% | 1,000 | 55 | |
| 95 | | P | 2004-11-18 | 5.11% | 2014 | 500 | 500 | 100.00 | 5.16% | 500 | 26 | |
| 96 | | Q | 2005-11-21 | 5.18% | 2035 | 4,300 | 4,300 | 100.00 | 5.23% | 4,300 | 225 | |
| 97 | | R | 2006-11-20 | 5.02% | 2036 | 3,000 | 3,000 | 100.00 | 5.07% | 3,000 | 152 | |
| 98 | | S | 2008-05-26 | 5.56% | 2028 | 860 | 860 | 100.00 | 5.61% | 860 | 48 | |
| 99 | | T | 2008-05-26 | 5.57% | 2038 | 1,290 | 1,290 | 100.00 | 5.62% | 1,290 | 72 | |
| 100 | | U | 2009-03-06 | 6.23% | 2024 | 2,900 | 2,900 | 100.00 | 6.28% | 2,900 | 182 | |
| 101 | | V | 2009-03-06 | 6.50% | 2039 | 3,700 | 3,700 | 100.00 | 6.55% | 3,700 | 242 | |
| 102 | | W | 2011-10-24 | 4.53% | 2041 | 5,000 | 5,000 | 100.00 | 4.58% | 5,000 | 229 | |
| 103 | | X | 2012-11-01 | 3.84% | 2052 | 4,000 | 4,000 | 100.00 | 3.89% | 4,000 | 156 | |
| 104 | Total | | | | | 38,950 | | | | 38,950 | 2,354 | 6.04% |
| 105 | Prior Year | | | | | | | | | 34,950 | 2,199 | 6.29% |
| 106 | Total | | | | | | | | | 73,900 | 4,553 | |
| 107 | Mid Year | | | | | | | | | 36,950 | 2,276 | 6.16% |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Schedule of Debt Capital Employed and Embedded Cost 2008 - 2012
(\$000s)

Line
No.

| <u>2008 GRA Approved</u> | | | | | | <u>Net Capital Employed</u> | | | | | <u>Average</u> |
|--------------------------|---------------|-------------------|--------------------|----------------------|--------------------------|-----------------------------|-------------------------|----------------------------|------------------------------|-----------------|------------------|
| | | | | | | <u>Principal</u> | <u>Per \$100 of</u> | | <u>Principal</u> | <u>Carrying</u> | <u>Embedded</u> |
| <u>Description</u> | <u>Series</u> | <u>Issue Date</u> | <u>Coupon Rate</u> | <u>Maturity Date</u> | <u>Principal Offered</u> | <u>Total Amount</u> | <u>Principal Amount</u> | <u>Effective Cost Rate</u> | <u>Outstanding 31-Dec-08</u> | <u>Cost</u> | <u>Cost Rate</u> |
| 112 | C | 1989-11-30 | 10.28% | 2009 | 2,000 | 2,000 | 100.00 | 10.33% | 2,000 | 207 | |
| 113 | D | 1990-11-28 | 11.85% | 2020 | 1,500 | 1,500 | 100.00 | 11.91% | 1,500 | 179 | |
| 114 | E | 1992-05-08 | 9.46% | 2023 | 2,500 | 2,500 | 100.00 | 9.51% | 2,500 | 238 | |
| 115 | K | 1999-08-13 | 6.80% | 2019 | 4,500 | 4,500 | 100.00 | 6.85% | 4,500 | 308 | |
| 116 | L | 2000-06-02 | 7.00% | 2008 | - | - | - | 7.05% | - | - | |
| 117 | N | 2002-11-22 | 6.16% | 2017 | 3,900 | 3,900 | 100.00 | 6.21% | 3,900 | 242 | |
| 118 | O | 2004-01-23 | 5.42% | 2019 | 1,000 | 1,000 | 100.00 | 5.47% | 1,000 | 55 | |
| 119 | P | 2004-11-18 | 5.11% | 2014 | 500 | 500 | 100.00 | 5.16% | 500 | 26 | |
| 120 | Q | 2005-11-21 | 5.18% | 2035 | 4,300 | 4,300 | 100.00 | 5.23% | 4,300 | 225 | |
| 121 | R | 2006-11-20 | 5.02% | 2036 | 3,000 | 3,000 | 100.00 | 5.07% | 3,000 | 152 | |
| 122 | T | 2008-11-20 | 5.12% | 2038 | 6,242 | 6,242 | 100.00 | 5.623% | 6,242 | 351 | |
| 123 | Total | | | | 29,442 | | | | 29,442 | 1,982 | 6.73% |
| 124 | Prior Year | | | | | | | | 23,800 | 1,673 | 7.03% |
| 125 | Total | | | | | | | | 53,242 | 3,655 | |
| 126 | Mid Year | | | | | | | | 26,621 | 1,828 | 6.87% |

| <u>2009 GRA Approved</u> | | | | | | <u>Net Capital Employed</u> | | | | | <u>Average</u> |
|--------------------------|---------------|-------------------|--------------------|----------------------|--------------------------|-----------------------------|-------------------------|----------------------------|------------------------------|-----------------|------------------|
| | | | | | | <u>Principal</u> | <u>Per \$100 of</u> | | <u>Principal</u> | <u>Carrying</u> | <u>Embedded</u> |
| <u>Description</u> | <u>Series</u> | <u>Issue Date</u> | <u>Coupon Rate</u> | <u>Maturity Date</u> | <u>Principal Offered</u> | <u>Total Amount</u> | <u>Principal Amount</u> | <u>Effective Cost Rate</u> | <u>Outstanding 31-Dec-09</u> | <u>Cost</u> | <u>Cost Rate</u> |
| 134 | D | 1990-11-28 | 11.85% | 2020 | 1,500 | 1,500 | 100.00 | 11.91% | 1,500 | 179 | |
| 135 | E | 1992-05-08 | 9.46% | 2023 | 2,500 | 2,500 | 100.00 | 9.51% | 2,500 | 238 | |
| 136 | K | 1999-08-13 | 6.80% | 2019 | 4,500 | 4,500 | 100.00 | 6.85% | 4,500 | 308 | |
| 137 | L | 2000-06-02 | 7.00% | 2008 | - | - | - | 7.05% | - | - | |
| 138 | N | 2002-11-22 | 6.16% | 2017 | 3,900 | 3,900 | 100.00 | 6.21% | 3,900 | 242 | |
| 139 | O | 2004-01-23 | 5.42% | 2019 | 1,000 | 1,000 | 100.00 | 5.47% | 1,000 | 55 | |
| 140 | P | 2004-11-18 | 5.11% | 2014 | 500 | 500 | 100.00 | 5.16% | 500 | 26 | |
| 141 | Q | 2005-11-21 | 5.18% | 2035 | 4,300 | 4,300 | 100.00 | 5.23% | 4,300 | 225 | |
| 142 | R | 2006-11-20 | 5.02% | 2036 | 3,000 | 3,000 | 100.00 | 5.07% | 3,000 | 152 | |
| 143 | T | 2008-11-20 | 5.12% | 2038 | 6,242 | 6,242 | 100.00 | 5.623% | 6,242 | 351 | |
| 144 | U | 2009-11-20 | 6.55% | 2039 | 2,576 | 2,576 | 100.00 | 6.60% | 2,576 | 170 | |
| 145 | Total | | | | 30,018 | | | | 30,018 | 1,945 | 6.48% |
| 146 | Prior Year | | | | | | | | 29,442 | 1,982 | 6.73% |
| 147 | Total | | | | | | | | 59,460 | 3,927 | |
| 148 | Mid Year | | | | | | | | 29,730 | 1,964 | 6.60% |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Schedule of Debt Capital Employed and Embedded Cost 2008 - 2012
(\$000s)

Revised Schedule 8.3
Page 1 of 2

| Line No. | | | | | | <u>Net Capital Employed</u> | | | Effective Cost Rate | Principal Outstanding 31-Dec-13 | Carrying Cost | Average Embedded Cost Rate |
|----------|-------------------------|--------|------------|-------------|---------------|-----------------------------|--------------|-------------------------------|---------------------|---------------------------------|---------------|----------------------------|
| | Description | Series | Issue Date | Coupon Rate | Maturity Date | Principal Amount Offered | Total Amount | Per \$100 of Principal Amount | | | | |
| 1 | <u>2013 Test Period</u> | | | | | <u>Net Capital Employed</u> | | | | | | |
| 2 | | | | | | <u>Per \$100 of</u> | | | | | | |
| 3 | | | | | | Principal | Total | Principal | Effective | Principal | Carrying | Average |
| 4 | Description | Series | Issue Date | Coupon Rate | Maturity Date | Amount Offered | Amount | Amount | Cost Rate | Outstanding 31-Dec-13 | Cost | Embedded Cost Rate |
| 5 | | D | 1990-11-28 | 11.85% | 2020 | 1,500 | 1,500 | 100.00 | 11.91% | 1,500 | 179 | |
| 6 | | E | 1992-05-08 | 9.46% | 2023 | 2,500 | 2,500 | 100.00 | 9.51% | 2,500 | 238 | |
| 7 | | K | 1999-08-13 | 6.80% | 2019 | 4,500 | 4,500 | 100.00 | 6.85% | 4,500 | 308 | |
| 8 | | N | 2002-11-22 | 6.16% | 2017 | 3,900 | 3,900 | 100.00 | 6.21% | 3,900 | 242 | |
| 9 | | O | 2004-01-23 | 5.42% | 2019 | 1,000 | 1,000 | 100.00 | 5.47% | 1,000 | 55 | |
| 10 | | P | 2004-11-18 | 5.11% | 2014 | 500 | 500 | 100.00 | 5.16% | 500 | 26 | |
| 11 | | Q | 2005-11-21 | 5.18% | 2035 | 4,300 | 4,300 | 100.00 | 5.23% | 4,300 | 225 | |
| 12 | | R | 2006-11-20 | 5.02% | 2036 | 3,000 | 3,000 | 100.00 | 5.07% | 3,000 | 152 | |
| 13 | | S | 2008-05-26 | 5.56% | 2028 | 860 | 860 | 100.00 | 5.61% | 860 | 48 | |
| 14 | | T | 2008-05-26 | 5.57% | 2038 | 1,290 | 1,290 | 100.00 | 5.62% | 1,290 | 72 | |
| 15 | | U | 2009-03-06 | 6.23% | 2024 | 2,900 | 2,900 | 100.00 | 6.28% | 2,900 | 182 | |
| 16 | | V | 2009-03-06 | 6.50% | 2039 | 3,700 | 3,700 | 100.00 | 6.55% | 3,700 | 242 | |
| 17 | | W | 2011-10-24 | 4.53% | 2041 | 5,000 | 5,000 | 100.00 | 4.58% | 5,000 | 229 | |
| 18 | | X | 2012-11-01 | 3.84% | 2052 | 4,000 | 4,000 | 100.00 | 3.89% | 4,000 | 156 | |
| 19 | | Y | 2013-11-01 | 4.71% | 2053 | 9,100 | 9,100 | 100.00 | 4.76% | 9,100 | 433 | |
| 20 | Total | | | | | 48,050 | | | | 48,050 | 2,787 | 5.80% |
| 21 | Prior Year | | | | | | | | | 38,950 | 2,354 | 6.04% |
| 22 | Total | | | | | | | | | 87,000 | 5,142 | |
| 23 | Mid Year | | | | | | | | | 43,500 | 2,571 | 5.91% |
| 24 | | | | | | | | | | | | |
| 25 | <u>2014 Test Period</u> | | | | | <u>Net Capital Employed</u> | | | | | | |
| 26 | | | | | | <u>Per \$100 of</u> | | | | | | |
| 27 | Description | Series | Issue Date | Coupon Rate | Maturity Date | Principal Amount Offered | Total Amount | Principal Amount | Effective Cost Rate | Principal Outstanding 31-Dec-14 | Carrying Cost | Average Embedded Cost Rate |
| 29 | | D | 1990-11-28 | 11.85% | 2020 | 1,500 | 1,500 | 100.00 | 11.91% | 1,500 | 179 | |
| 30 | | E | 1992-05-08 | 9.46% | 2023 | 2,500 | 2,500 | 100.00 | 9.51% | 2,500 | 238 | |
| 31 | | K | 1999-08-13 | 6.80% | 2019 | 4,500 | 4,500 | 100.00 | 6.85% | 4,500 | 308 | |
| 32 | | N | 2002-11-22 | 6.16% | 2017 | 3,900 | 3,900 | 100.00 | 6.21% | 3,900 | 242 | |
| 33 | | O | 2004-01-23 | 5.42% | 2019 | 1,000 | 1,000 | 100.00 | 5.47% | 1,000 | 55 | |
| 34 | | P | 2004-11-18 | 5.11% | 2014 | 500 | 500 | 100.00 | 5.16% | - | 26 | |
| 35 | | Q | 2005-11-21 | 5.18% | 2035 | 4,300 | 4,300 | 100.00 | 5.23% | 4,300 | 225 | |
| 36 | | R | 2006-11-20 | 5.02% | 2036 | 3,000 | 3,000 | 100.00 | 5.07% | 3,000 | 152 | |
| 37 | | S | 2008-05-26 | 5.56% | 2028 | 860 | 860 | 100.00 | 5.61% | 860 | 48 | |
| 38 | | T | 2008-05-26 | 5.57% | 2038 | 1,290 | 1,290 | 100.00 | 5.62% | 1,290 | 72 | |
| 39 | | U | 2009-03-06 | 6.23% | 2024 | 2,900 | 2,900 | 100.00 | 6.28% | 2,900 | 182 | |
| 40 | | V | 2009-03-06 | 6.50% | 2039 | 3,700 | 3,700 | 100.00 | 6.55% | 3,700 | 242 | |
| 41 | | W | 2011-10-24 | 4.53% | 2041 | 5,000 | 5,000 | 100.00 | 4.58% | 5,000 | 229 | |
| 42 | | X | 2012-11-01 | 3.84% | 2052 | 4,000 | 4,000 | 100.00 | 3.89% | 4,000 | 156 | |
| 43 | | Y | 2013-11-01 | 4.71% | 2053 | 9,100 | 9,100 | 100.00 | 4.76% | 9,100 | 433 | |
| 44 | | Z | 2014-11-01 | 5.03% | 2054 | 6,400 | 6,400 | 100.00 | 5.08% | 6,400 | 325 | |
| 45 | Total | | | | | 54,450 | | | | 53,950 | 3,113 | 5.77% |
| 46 | Prior Year | | | | | | | | | 48,050 | 2,787 | 5.80% |
| 47 | Total | | | | | | | | | 102,000 | 5,900 | |
| 48 | Mid Year | | | | | | | | | 51,000 | 2,950 | 5.78% |

The Yukon Electrical Company Limited
 2013 - 2015 General Rate Application
 Schedule of Debt Capital Employed and Embedded Cost 2008 - 2012
 (\$000s)

Line
 No.

| Line No. | Description | Series | Issue Date | Coupon Rate | Maturity Date | Net Capital Employed | | | Effective Cost Rate | Principal Outstanding 31-Dec-15 | Carrying Cost | Average Embedded Cost Rate |
|----------|-------------------------|--------|------------|-------------|---------------|--------------------------|--------------|-------------------------------|---------------------|---------------------------------|---------------|----------------------------|
| | | | | | | Principal Amount Offered | Total Amount | Per \$100 of Principal Amount | | | | |
| 49 | <u>2015 Test Period</u> | | | | | | | | | | | |
| 51 | | | | | | | | | | | | |
| 52 | | | | | | | | | | | | |
| 53 | | D | 1990-11-28 | 11.85% | 2020 | 1,500 | 1,500 | 100.00 | 11.91% | 1,500 | 179 | |
| 54 | | E | 1992-05-08 | 9.46% | 2023 | 2,500 | 2,500 | 100.00 | 9.51% | 2,500 | 238 | |
| 55 | | K | 1999-08-13 | 6.80% | 2019 | 4,500 | 4,500 | 100.00 | 6.85% | 4,500 | 308 | |
| 56 | | N | 2002-11-22 | 6.16% | 2017 | 3,900 | 3,900 | 100.00 | 6.21% | 3,900 | 242 | |
| 57 | | O | 2004-01-23 | 5.42% | 2019 | 1,000 | 1,000 | 100.00 | 5.47% | 1,000 | 55 | |
| 58 | | P | 2004-11-18 | 5.11% | 2014 | 500 | 500 | 100.00 | 5.16% | - | 26 | |
| 59 | | Q | 2005-11-21 | 5.18% | 2035 | 4,300 | 4,300 | 100.00 | 5.23% | 4,300 | 225 | |
| 60 | | R | 2006-11-20 | 5.02% | 2036 | 3,000 | 3,000 | 100.00 | 5.07% | 3,000 | 152 | |
| 61 | | S | 2008-05-26 | 5.56% | 2028 | 860 | 860 | 100.00 | 5.61% | 860 | 48 | |
| 62 | | T | 2008-05-26 | 5.57% | 2038 | 1,290 | 1,290 | 100.00 | 5.62% | 1,290 | 72 | |
| 63 | | U | 2009-03-06 | 6.23% | 2024 | 2,900 | 2,900 | 100.00 | 6.28% | 2,900 | 182 | |
| 64 | | V | 2009-03-06 | 6.50% | 2039 | 3,700 | 3,700 | 100.00 | 6.55% | 3,700 | 242 | |
| 65 | | W | 2011-10-24 | 4.53% | 2041 | 5,000 | 5,000 | 100.00 | 4.58% | 5,000 | 229 | |
| 66 | | X | 2012-11-01 | 3.84% | 2052 | 4,000 | 4,000 | 100.00 | 3.89% | 4,000 | 156 | |
| 67 | | Y | 2013-11-01 | 4.71% | 2053 | 9,100 | 9,100 | 100.00 | 4.76% | 9,100 | 433 | |
| 68 | | Z | 2014-11-01 | 5.03% | 2054 | 6,400 | 6,400 | 100.00 | 5.08% | 6,400 | 325 | |
| 69 | | AA | 2015-11-01 | 5.03% | 2055 | 4,900 | 4,900 | 100.00 | 5.08% | 4,900 | 249 | |
| 70 | Total | | | | | 59,350 | | | | 58,850 | 3,361 | 5.71% |
| 71 | Prior Year | | | | | | | | | 53,950 | 3,113 | 5.77% |
| 72 | Total | | | | | | | | | 112,800 | 6,474 | |
| 73 | Mid Year | | | | | | | | | 56,400 | 3,237 | 5.74% |

The Yukon Electrical Company Limited
 2013 - 2015 General Rate Application
 Continuity Schedule of No Cost Capital
 (\$000s)

Revised Schedule 8.4

| Line No. | Description | Cross Ref. | Actual | Actual | Actual | Actual | Actual | Test Period | | | GRA | GRA |
|----------|--|--------------------------------|-------------|-------------|-------------|-------------|-------------|----------------|--------------|--------------|---------------|---------------|
| | | | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | Approved 2008 | Approved 2009 |
| 1 | No Cost Capital | | | | | | | | | | | |
| 2 | Deferred Pension and Regulatory Asset/Liability | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | Mid-Year Balance Summary | | | | | | | | | | | |
| 5 | Defined Benefit Pension | L.16 | 537 | 537 | 537 | 537 | 537 | 537 | 537 | 537 | 537 | 537 |
| 6 | Other Post Employment Benefits (OPEB) | L.23 | 170 | 167 | 163 | 160 | 156 | 152 | 148 | 144 | 171 | 171 |
| 7 | Injuries & Damages | L.30 | (15) | (2) | (34) | (48) | (62) | (552) | (777) | (259) | (39) | (13) |
| 8 | Total No Cost Capital Mid-Year Balance | S.8.1 L.4,9,14,19, 24,29,34,39 | <u>693</u> | <u>702</u> | <u>666</u> | <u>649</u> | <u>631</u> | <u>137</u> | <u>(92)</u> | <u>422</u> | <u>669</u> | <u>695</u> |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | Other Post Employment Benefits (OPEB) | | | | | | | | | | | |
| 12 | Balance at Beginning of Year | | 537 | 537 | 537 | 537 | 537 | 537 | 537 | 537 | 537 | 537 |
| 13 | Add: Charges | | 37 | 24 | 20 | 11 | 37 | 37 | 37 | 37 | 60 | 60 |
| 14 | Less: Cash Payments | | (37) | (24) | (20) | (11) | (37) | (37) | (37) | (37) | (60) | (60) |
| 15 | Balance at End of Year | | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> |
| 16 | Mid-Year Balance | (L.12+L.15) / 2 | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> | <u>537</u> |
| 17 | | | | | | | | | | | | |
| 18 | Defined Benefit Pension | | | | | | | | | | | |
| 19 | Balance at Beginning of Year | | 171 | 169 | 164 | 161 | 158 | 154 | 150 | 146 | 171 | 171 |
| 20 | Add: Charges | | 629 | 659 | 798 | 851 | 1,276 | 687 | 602 | 602 | 588 | 623 |
| 21 | Less: Cash Payments | | (631) | (664) | (801) | (854) | (1,280) | (691) | (606) | (606) | (588) | (623) |
| 22 | Balance at End of Year | | <u>169</u> | <u>164</u> | <u>161</u> | <u>158</u> | <u>154</u> | <u>150</u> | <u>146</u> | <u>142</u> | <u>171</u> | <u>171</u> |
| 23 | Mid-Year Balance | (L.19+L.22) / 2 | <u>170</u> | <u>167</u> | <u>163</u> | <u>160</u> | <u>156</u> | <u>152</u> | <u>148</u> | <u>144</u> | <u>171</u> | <u>171</u> |
| 24 | | | | | | | | | | | | |
| 25 | Injuries & Damages | | | | | | | | | | | |
| 26 | Balance at Beginning of Year | | (52) | 23 | (27) | (41) | (55) | (69) | (1,035) | (518) | (52) | (26) |
| 27 | Add: Write-off | S.10.1 L.8 | 75 | 97 | 86 | 86 | 86 | 618 | 618 | 618 | 86 | 86 |
| 28 | Less: Costs | S.10.1 L.17 | - | (147) | (100) | (100) | (100) | (1,584) | (100) | (100) | (60) | (60) |
| 29 | Balance at End of Year | | <u>23</u> | <u>(27)</u> | <u>(41)</u> | <u>(55)</u> | <u>(69)</u> | <u>(1,035)</u> | <u>(518)</u> | <u>(0)</u> | <u>(26)</u> | <u>-</u> |
| 30 | Mid-Year Balance | (L.26+L.29) / 2 | <u>(15)</u> | <u>(2)</u> | <u>(34)</u> | <u>(48)</u> | <u>(62)</u> | <u>(552)</u> | <u>(777)</u> | <u>(259)</u> | <u>(39)</u> | <u>(13)</u> |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Computation of Rate Base
(\$000s)

Revised Schedule 8.5

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|---|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|---------|-------------------|-------------------|
| | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | Property, Plant and Equipment | | | | | | | | | | | |
| 2 | Year End Balance | S.8.6 L.14 | 127,008 | 132,981 | 141,373 | 154,419 | 167,681 | 185,500 | 204,217 | 217,907 | 126,434 | 133,801 |
| 3 | Deduct: | | | | | | | | | | | |
| 4 | Accumulated Depreciation | S.8.6 L.25 | 56,612 | 59,806 | 62,764 | 64,609 | 67,891 | 70,846 | 75,156 | 80,177 | 56,682 | 59,904 |
| 5 | Construction-in-Progress | S.9.1 L.35 | 1,771 | 555 | 2,749 | 5,025 | 2,094 | 1,561 | 961 | 961 | 620 | 580 |
| 6 | Total Deductions | | 58,383 | 60,361 | 65,513 | 69,634 | 69,985 | 72,407 | 76,116 | 81,137 | 57,302 | 60,484 |
| 7 | Net Plant in Service | | | | | | | | | | | |
| 8 | Current Year End Balance | | 68,625 | 72,620 | 75,860 | 84,784 | 97,696 | 113,093 | 128,101 | 136,770 | 69,132 | 73,318 |
| 9 | Previous Year End Balance | | 62,683 | 68,625 | 72,620 | 75,860 | 84,784 | 97,696 | 113,093 | 128,101 | 62,683 | 69,132 |
| 10 | Total | | 131,308 | 141,245 | 148,480 | 160,644 | 182,480 | 210,789 | 241,195 | 264,872 | 131,815 | 142,450 |
| 11 | Mid-Year Balance | | 65,654 | 70,623 | 74,240 | 80,322 | 91,240 | 105,395 | 120,597 | 132,436 | 65,908 | 71,225 |
| 12 | Mid-Year Deferred Charges/Credits | S.8.8 L.20 | 464 | 270 | 269 | (457) | (515) | (368) | 55 | 401 | 645 | 458 |
| 13 | Working Capital | S.8.10 L.29 | 2,901 | 2,842 | 2,380 | 2,903 | 3,013 | 3,275 | 3,267 | 3,601 | 2,833 | 2,627 |
| 14 | Gross Rate Base | | 69,019 | 73,735 | 76,889 | 82,768 | 93,738 | 108,302 | 123,919 | 136,438 | 69,386 | 74,310 |
| 15 | Deduct: | | | | | | | | | | | |
| 16 | Contributions in Aid of Construction | | | | | | | | | | | |
| 17 | Current Year End Balance | S.8.12 L.11 | 23,649 | 25,588 | 28,138 | 32,581 | 34,828 | 37,302 | 40,440 | 43,117 | 24,093 | 25,571 |
| 18 | Previous Year End Balance | | 22,496 | 23,649 | 25,588 | 28,138 | 32,581 | 34,828 | 37,302 | 40,440 | 22,496 | 24,093 |
| 19 | Total | | 46,145 | 49,237 | 53,726 | 60,719 | 67,409 | 72,130 | 77,742 | 83,557 | 46,589 | 49,664 |
| 20 | Mid-Year Balance | | 23,073 | 24,619 | 26,863 | 30,360 | 33,705 | 36,065 | 38,871 | 41,779 | 23,295 | 24,832 |
| 21 | Net Rate Base | S.8.1 L.5,10,15,20, 25, 30, 35, 40 | 45,946 | 49,116 | 50,026 | 52,408 | 60,033 | 72,237 | 85,048 | 94,660 | 46,091 | 49,478 |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Continuity Schedule of Property, Plant and Equipment
(\$000)

Revised Schedule 8.6

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|--|----------------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|-------------------|-------------------|
| | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | Property, Plant and Equipment | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | Balance at Beginning of Year | | 116,451 | 125,237 | 132,426 | 138,624 | 149,393 | 165,588 | 183,940 | 203,257 | 116,451 | 125,814 |
| 4 | | | | | | | | | | | | |
| 5 | Additions | S.9.1 L.33 | 9,170 | 7,469 | 6,848 | 12,266 | 17,116 | 19,792 | 20,292 | 14,484 | 9,714 | 7,758 |
| 6 | Reclassify from Deferred Charges | S. 8.8 L.33+L.43 | - | - | - | 950 | - | - | - | - | - | - |
| 7 | Retirement and Disposals | S.8.7 L.22 | (384) | (280) | (650) | (2,447) | (922) | (1,440) | (975) | (794) | (351) | (351) |
| 8 | | S.7.2, 7.3, 7.4 L.51 | 8,786 | 7,189 | 6,198 | 10,769 | 16,194 | 18,352 | 19,317 | 13,690 | 9,363 | 7,407 |
| 9 | | | | | | | | | | | | |
| 10 | Balance at End of Year | S.7.2, 7.3, 7.4 L.53 | 125,237 | 132,426 | 138,624 | 149,393 | 165,588 | 183,940 | 203,257 | 216,947 | 125,814 | 133,221 |
| 11 | | | | | | | | | | | | |
| 12 | Construction-in-Progress | S.9.1 L.35 | 1,771 | 555 | 2,749 | 5,025 | 2,094 | 1,561 | 961 | 961 | 620 | 580 |
| 13 | | | | | | | | | | | | |
| 14 | Total Property, Plant and Equipment | S.8.5 L.2 | 127,008 | 132,981 | 141,373 | 154,419 | 167,681 | 185,500 | 204,217 | 217,907 | 126,434 | 133,801 |
| 15 | | | | | | | | | | | | |
| 16 | Accumulated Depreciation | | | | | | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | Balance at Beginning of Year | | 53,768 | 56,612 | 59,806 | 62,764 | 64,609 | 67,891 | 70,846 | 75,156 | 53,768 | 56,682 |
| 19 | Reclassify from Deferred Charges | S. 8.8 L.33+L.43 | - | - | - | 176 | - | - | - | - | - | - |
| 20 | Depreciation Expense | S.7.1 L.4 | 3,181 | 3,446 | 3,683 | 4,129 | 4,192 | 4,520 | 5,252 | 5,778 | 3,354 | 3,661 |
| 21 | Depreciation Capitalized | S.7.1 L.3 | 22 | 64 | 43 | 48 | 67 | 75 | 82 | 87 | 24 | 24 |
| 22 | Dismantling | | 25 | (36) | (118) | (62) | (55) | (200) | (50) | (50) | (113) | (113) |
| 23 | Retirements | S.8.7 L.22 | (384) | (280) | (650) | (2,446) | (922) | (1,440) | (975) | (794) | (351) | (351) |
| 24 | | | | | | | | | | | | |
| 25 | Balance at End of Year | S.8.5 L.4 | 56,612 | 59,806 | 62,764 | 64,609 | 67,891 | 70,846 | 75,156 | 80,177 | 56,682 | 59,904 |
| 26 | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Net Property, Plant and Equipment | | 70,396 | 73,175 | 78,609 | 89,810 | 99,790 | 114,654 | 129,062 | 137,731 | 69,752 | 73,898 |

**The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Continuity Schedule of Capital Retirements by Function
(\$000)**

Revised Schedule 8.7

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|--------------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|-------|-------------------|-------------------|
| | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | Generation | | | | | | | | | | | |
| 2 | Internal Combustion | | - | - | - | (2,269) | - | (977) | (343) | (369) | - | - |
| 3 | Hydro | | - | - | - | - | (619) | - | (200) | - | - | - |
| 4 | Other Retirements Less Than \$20,000 | | - | - | - | - | - | - | - | - | (14) | (14) |
| 5 | Total Generation Retirements | | - | - | - | (2,269) | (619) | (977) | (543) | (369) | (14) | (14) |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | Distribution | | | | | | | | | | | |
| 9 | Poles, Towers & Fixtures | | (90) | (57) | (227) | (35) | (62) | (80) | (80) | (80) | (68) | (68) |
| 10 | Line Transformers | | (3) | (3) | (30) | (21) | (13) | (112) | (12) | (12) | (18) | (18) |
| 11 | Meters | | (96) | - | (166) | (70) | (16) | (58) | (127) | (127) | (82) | (82) |
| 12 | Other Retirements Less Than \$20,000 | | (47) | (13) | (22) | (19) | (14) | (16) | (16) | (16) | (8) | (8) |
| 13 | Total Distribution Retirements | | (236) | (73) | (445) | (144) | (105) | (267) | (235) | (235) | (176) | (176) |
| 14 | | | | | | | | | | | | |
| 15 | General Plant | | | | | | | | | | | |
| 16 | Office Furniture & Equipment | | (38) | (57) | (30) | (15) | (16) | (32) | (32) | (32) | (44) | (44) |
| 17 | Vehicles | | (44) | (109) | (154) | (5) | (162) | (127) | (127) | (120) | (57) | (57) |
| 18 | Tool & Work Equipment | | (59) | (18) | (17) | (13) | (17) | (31) | (31) | (31) | (59) | (59) |
| 19 | Other Retirements Less Than \$20,000 | | (7) | (23) | (5) | - | (3) | (7) | (7) | (7) | (1) | (1) |
| 20 | Total General Plant Retirements | | (148) | (207) | (205) | (33) | (198) | (197) | (197) | (190) | (161) | (161) |
| 21 | | | | | | | | | | | | |
| 22 | Total Capital Retirements | S.8.6 L.7 | (384) | (280) | (650) | (2,447) | (922) | (1,440) | (975) | (794) | (351) | (351) |

The Yukon Electrical Company Limited
 2013 - 2015 General Rate Application
 Continuity Schedule of Deferred Charges & Credits
 (\$000s)

Revised Schedule 8.8

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|---|---|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------------|-------------------|
| | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | Total Deferred Charges & Credits Summary | | | | | | | | | | | |
| 2 | Write-off Summary | | | | | | | | | | | |
| 3 | Rate Case Costs | | | | | | | | | | | |
| 4 | | L. 25 + L.26 | (600) | (150) | (150) | (150) | (150) | - | - | - | (150) | (150) |
| 5 | | L. 36 | (124) | (141) | (141) | - | - | - | - | - | (123) | (123) |
| 6 | | L. 46 | (147) | (147) | - | - | - | - | - | - | (154) | (154) |
| 7 | | L. 54 | - | - | - | - | - | - | - | - | - | - |
| 8 | | L. 62 | - | - | - | - | - | (11) | (11) | (11) | - | - |
| 9 | | L. 70 | - | - | - | - | - | (7) | (7) | (6) | - | - |
| 10 | | S.1.1 L.14 | <u>(871)</u> | <u>(438)</u> | <u>(291)</u> | <u>(150)</u> | <u>(150)</u> | <u>(18)</u> | <u>(18)</u> | <u>(17)</u> | <u>(427)</u> | <u>(427)</u> |
| 11 | Deferred Credits Mid-Year Balance Summary | | | | | | | | | | | |
| 12 | Rate Case Reserve | | | | | | | | | | | |
| 13 | | L. 29 | (133) | (321) | (420) | (490) | (548) | (402) | (97) | - | 90 | 75 |
| 14 | | L. 39 | 427 | 354 | 213 | - | - | - | - | - | 399 | 306 |
| 15 | | L. 49 | 153 | 204 | 443 | - | - | - | - | - | 156 | 77 |
| 16 | | L. 57 | - | - | - | - | - | - | - | - | - | - |
| 17 | | L. 65 | 17 | 33 | 33 | 33 | 33 | 28 | 17 | 6 | - | - |
| 18 | | L. 73 | - | - | - | - | - | 7 | 10 | 3 | - | - |
| 19 | | L. 80 | - | - | - | - | - | - | 126 | 393 | - | - |
| 20 | | S.8.5 L.12 | <u>464</u> | <u>270</u> | <u>269</u> | <u>(457)</u> | <u>(515)</u> | <u>(368)</u> | <u>55</u> | <u>401</u> | <u>645</u> | <u>458</u> |
| 21 | Rate Case Costs | | | | | | | | | | | |
| 22 | Balance at Beginning of Year | | | | | | | | | | | |
| 23 | | S. 8.9 L.8, L.15 | 30 | (296) | (345) | (495) | (485) | (611) | (193) | - | 30 | 150 |
| 24 | | Add: Rate Case Costs | 274 | 101 | - | 160 | 24 | 417 | 193 | - | 720 | - |
| 25 | | Less: Rate Case (Write-off) Credit | (150) | (150) | (150) | (150) | (150) | - | - | - | (150) | (150) |
| 26 | | Less: Adjustment for Board Order 2009-2 | (450) | - | - | - | - | - | - | - | (450) | - |
| 27 | | | <u>(296)</u> | <u>(345)</u> | <u>(495)</u> | <u>(485)</u> | <u>(611)</u> | <u>(193)</u> | <u>-</u> | <u>-</u> | <u>150</u> | <u>-</u> |
| 28 | | | <u>464</u> | <u>270</u> | <u>269</u> | <u>(457)</u> | <u>(515)</u> | <u>(368)</u> | <u>55</u> | <u>401</u> | <u>645</u> | <u>458</u> |
| 29 | | (L.22+L.26)/2 | <u>(133)</u> | <u>(321)</u> | <u>(420)</u> | <u>(490)</u> | <u>(548)</u> | <u>(402)</u> | <u>(97)</u> | <u>-</u> | <u>90</u> | <u>75</u> |
| 30 | Diesel Plant Major Overhaul Costs | | | | | | | | | | | |
| 31 | Balance at Beginning of Year | | | | | | | | | | | |
| 32 | | S. 8.6 L.6 | 430 | 424 | 283 | 142 | - | - | - | - | 430 | 367 |
| 33 | | S. 8.6 L.19 | - | - | - | (283) | - | - | - | - | - | - |
| 34 | | S. 8.6 L.19 | - | - | - | 141 | - | - | - | - | - | - |
| 35 | | Add: Major Overhaul Costs | 118 | - | - | - | - | - | - | - | 60 | - |
| 36 | | Less: Major Overhaul Write-off | (124) | (141) | (141) | - | - | - | - | - | (123) | (123) |
| 37 | | | <u>424</u> | <u>283</u> | <u>142</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>367</u> | <u>244</u> |
| 38 | | (L.32+L.37)/2 | <u>427</u> | <u>354</u> | <u>213</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>399</u> | <u>306</u> |
| 39 | Fish Lake License Renewal Costs | | | | | | | | | | | |
| 40 | Balance at Beginning of Year | | | | | | | | | | | |
| 41 | | S. 8.6 L.6 | 158 | 148 | 260 | 618 | - | - | - | - | 158 | 154 |
| 42 | | S. 8.6 L.19 | - | - | - | (667) | - | - | - | - | - | - |
| 43 | | S. 8.6 L.19 | - | - | - | 35 | - | - | - | - | - | - |
| 44 | | Add: Fish Lake Costs | 137 | 259 | 358 | 14 | - | - | - | - | 150 | - |
| 45 | | Less: Fish Lake Write-off | (147) | (147) | - | - | - | - | - | - | (154) | (154) |
| 46 | | | <u>148</u> | <u>260</u> | <u>618</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>154</u> | <u>-</u> |
| 47 | | (L.42+L.47)/2 | <u>153</u> | <u>204</u> | <u>443</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>156</u> | <u>77</u> |
| 48 | Watson Lake LNG Study Costs | | | | | | | | | | | |
| 49 | Balance at Beginning of Year | | | | | | | | | | | |
| 50 | | Add: Costs/AFUDC | - | - | - | - | - | 230 | 16 | 246 | - | - |
| 51 | | Less: Write-off | - | - | - | - | - | - | - | - | - | - |
| 52 | | | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>230</u> | <u>16</u> | <u>246</u> | <u>-</u> | <u>-</u> |
| 53 | | (L.52+L.55)/2 | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| 54 | Pelly Crossing Deferral Account | | | | | | | | | | | |
| 55 | Balance at Beginning of Year | | | | | | | | | | | |
| 56 | | Add: Costs | 33 | 33 | 33 | 33 | 33 | 33 | 22 | 11 | - | - |
| 57 | | Less: Write-off | - | - | - | - | - | (11) | (11) | (11) | - | - |
| 58 | | | <u>33</u> | <u>33</u> | <u>33</u> | <u>33</u> | <u>33</u> | <u>22</u> | <u>11</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| 59 | | (L.60+L.63)/2 | <u>17</u> | <u>33</u> | <u>33</u> | <u>33</u> | <u>33</u> | <u>28</u> | <u>17</u> | <u>6</u> | <u>-</u> | <u>-</u> |
| 60 | Kluane Wind Study | | | | | | | | | | | |
| 61 | Balance at Beginning of Year | | | | | | | | | | | |
| 62 | | Add: Costs | - | - | - | - | - | 20 | - | 6 | - | - |
| 63 | | Less: Write-off | - | - | - | - | - | (7) | (7) | (6) | - | - |
| 64 | | | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>13</u> | <u>6</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| 65 | | (L.68+L.71)/2 | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>7</u> | <u>10</u> | <u>3</u> | <u>-</u> | <u>-</u> |
| 66 | Demand Side Management Program Costs | | | | | | | | | | | |
| 67 | Balance at Beginning of Year | | | | | | | | | | | |
| 68 | | Add: Costs | - | - | - | - | - | - | 251 | 251 | - | - |
| 69 | | Less: Write-off | - | - | - | - | - | - | 251 | 534 | - | - |
| 70 | | (L.76+L.78)/2 | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>126</u> | <u>393</u> | <u>-</u> | <u>-</u> |

Note 1 - Major Diesel Overhauls are classified as Property Plant and Equipment for 2011
 Note 2 - Fish Lake License costs are classified as Intangible Property Plant and Equipment for 2010.

**The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Rate Case Costs
(\$000s)**

Revised Schedule 8.9

| Line No. | Description | Cross Ref. | Test Period | | |
|----------|--------------------------------|--------------|-------------|------------|----------|
| | | | 2013 | 2014 | 2015 |
| 1 | <u>Phase I</u> | | | | |
| 2 | Legal Expenses | | 93 | - | - |
| 3 | Depreciation Expert | | 81 | - | - |
| 4 | ATCO Electric Disbursements | | 8 | - | - |
| 5 | Yukon Electrical Disbursements | | 9 | - | - |
| 6 | Intervener Costs | | 90 | - | - |
| 7 | Board Costs | | 136 | - | - |
| 8 | Total Costs | S. 8.8 L. 24 | <u>417</u> | <u>-</u> | <u>-</u> |
| 9 | | | | | |
| 10 | <u>Phase II</u> | | | | |
| 11 | Legal Expenses | | - | 60 | - |
| 12 | Yukon Electrical Disbursements | | - | 13 | - |
| 13 | Intervener Costs | | - | 45 | - |
| 14 | Board Costs | | - | 75 | - |
| 15 | Total Costs | S. 8.8 L. 24 | <u>-</u> | <u>193</u> | <u>-</u> |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Computation of Allowance for Working Capital
(\$000s)

Revised Schedule 8.10

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA | GRA |
|----------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|--------|---------------|---------------|
| | | | | | | | | 2013 | 2014 | 2015 | Approved 2008 | Approved 2009 |
| 1 | Operations and Maintenance | S.1.1 L.9 | 8,593 | 9,474 | 9,625 | 9,799 | 11,059 | 11,604 | 11,882 | 11,944 | 8,644 | 8,826 |
| 2 | Purchase Power | S.1.1 L.7 | 24,157 | 23,211 | 23,462 | 24,093 | 26,923 | 24,858 | 26,066 | 26,634 | 24,121 | 23,841 |
| 3 | Diesel Fuel | S.1.1 L.8 | 6,603 | 3,758 | 5,146 | 5,539 | 5,637 | 6,611 | 6,701 | 6,704 | 5,829 | 5,397 |
| 5 | Property Taxes | S.1.1 L.11 | 231 | 239 | 230 | 235 | 250 | 257 | 265 | 273 | 244 | 254 |
| 6 | Net O&M | | 39,585 | 36,682 | 38,463 | 39,666 | 43,869 | 43,330 | 44,914 | 45,554 | 38,838 | 38,318 |
| 7 | O&M Lag Days | | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 5 | 5 |
| 8 | Operating Expenses Working Capital | | 542 | 502 | 527 | 543 | 601 | 831 | 861 | 874 | 577 | 569 |
| 9 | Tax Installments | | 554 | 250 | 13 | 540 | 172 | 0 | 0 | 160 | 0 | 300 |
| 10 | Income Tax Installment Lag Days | | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 11 | Tax Installments Working Capital | | 33 | 15 | 1 | 33 | 10 | 0 | 0 | 10 | 0 | 18 |
| 12 | Income Taxes Receivable (Payable) | | 672 | 592 | (289) | 90 | 172 | 416 | 256 | 103 | 344 | (211) |
| 13 | Tax Receivable Lag Days | | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 |
| 14 | Taxes Payable Working Capital | | 376 | 331 | (162) | 50 | 96 | 233 | 143 | 58 | 192 | (118) |
| 15 | Inventory (Three-Year Average) | | 1,754 | 1,756 | 1,769 | 1,938 | 2,018 | 1,938 | 1,938 | 1,938 | 1,858 | 1,942 |
| 16 | GST Impact on Working Capital | S.8.11 L.40 | 115 | 90 | 104 | 129 | 136 | 152 | 165 | 144 | 111 | 98 |
| 17 | Return - Long Term Debt | | 1,819 | 1,895 | 1,884 | 1,931 | 2,158 | 2,557 | 2,955 | 3,245 | 1,870 | 1,934 |
| 18 | Combined Long Term Debt Lag Days | | (52) | (52) | (52) | (52) | (52) | (52) | (52) | (52) | (52) | (52) |
| 19 | Long Term Debt Working Capital | | (259) | (270) | (268) | (275) | (307) | (364) | (421) | (462) | (266) | (276) |
| 20 | Return - 50% of Common Equity | | 672 | 1,135 | 1,094 | 1,168 | 1,242 | 1,262 | 1,491 | 1,650 | 825 | 871 |
| 21 | Dividend Lag Days | | (4) | (4) | (4) | (4) | (4) | (4) | (4) | (4) | (4) | (4) |
| 22 | Common Equity (Dividend) Working Capital | | (7) | (12) | (12) | (13) | (14) | (14) | (16) | (18) | (9) | (10) |
| 23 | Return - 50% of Common Equity | | 672 | 1,135 | 1,094 | 1,168 | 1,242 | 1,262 | 1,491 | 1,650 | 825 | 871 |
| 24 | Depreciation Lag Days | | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| 25 | Common Equity (Retained Earnings) Working Capital | | 77 | 131 | 126 | 134 | 143 | 145 | 172 | 190 | 95 | 100 |
| 26 | Net Depreciation | | 2,201 | 2,313 | 2,462 | 2,840 | 2,821 | 3,076 | 3,695 | 4,029 | 2,391 | 2,633 |
| 27 | Depreciation Lag Days | | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| 28 | Depreciation Working Capital | | 253 | 266 | 283 | 327 | 325 | 354 | 425 | 464 | 275 | 303 |
| 29 | Working Capital | S.8.5 L.13 | 2,901 | 2,842 | 2,380 | 2,903 | 3,013 | 3,275 | 3,267 | 3,601 | 2,833 | 2,627 |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Effect of GST on Working Capital
(\$000s)

Revised Schedule 8.11

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|---|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|---------|-------------------|-------------------|
| | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | REVENUE: | | | | | | | | | | | |
| 2 | Total Operating Revenue Subject to GST | S.2.1 L.51 | 44,824 | 42,725 | 44,555 | 45,884 | 49,923 | 49,812 | 53,473 | 55,183 | 44,021 | 44,437 |
| 3 | GST Rate | | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| 4 | GST Billable | | 2,241 | 2,136 | 2,228 | 2,294 | 2,496 | 2,491 | 2,674 | 2,759 | 2,201 | 2,222 |
| 5 | | | | | | | | | | | | |
| 6 | Day Factor - Revenues | | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| 7 | Day Factor - Remittance Lag | | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| 8 | | | (14.7) | (14.7) | (14.7) | (14.7) | (14.7) | (14.7) | (14.7) | (14.7) | (14.7) | (14.7) |
| 9 | | | | | | | | | | | | |
| 10 | GST Impact on Working Capital Increase/(Decrease) | (L.4*L.8)/365 | (91) | (86) | (90) | (93) | (100) | (101) | (108) | (111) | (89) | (90) |
| 11 | | | | | | | | | | | | |
| 12 | EXPENSES: | | | | | | | | | | | |
| 13 | Total Utility Expenses | S.1.1 L.17 | 45,726 | 43,634 | 45,565 | 46,983 | 51,175 | 51,089 | 54,722 | 56,458 | 44,831 | 45,264 |
| 14 | Property Taxes | S.1.1 L.11 | (231) | (239) | (230) | (235) | (250) | (257) | (265) | (273) | (244) | (254) |
| 15 | Labour and Fringe | | (4,526) | (5,069) | (5,449) | (5,419) | (5,522) | (5,929) | (6,208) | (6,412) | (4,602) | (4,762) |
| 16 | Depreciation | S.1.1 L.12 | (3,181) | (3,446) | (3,683) | (4,129) | (4,192) | (4,520) | (5,252) | (5,778) | (3,354) | (3,661) |
| 17 | Amortization of Contributions | S.1.1 L.13 | 980 | 1,133 | 1,221 | 1,289 | 1,371 | 1,444 | 1,557 | 1,749 | 963 | 1,028 |
| 18 | Income Tax | S.1.1 L.16 | 94 | (10) | (278) | 62 | (307) | (416) | 160 | 313 | 344 | (211) |
| 19 | Fish Lake Costs | | 137 | 259 | 358 | 14 | - | - | - | - | 150 | - |
| 20 | Fish Lake Amortization | | (147) | (147) | - | - | - | - | - | - | (154) | (154) |
| 21 | Plant Maintenance Reserve Costs | | 118 | - | - | - | - | - | - | - | 60 | - |
| 22 | Plant Maintenance Reserve Amortization | | (124) | (141) | (141) | - | - | - | - | - | (123) | (123) |
| 23 | Injuries & Damages Costs | | - | (147) | (100) | (100) | (100) | (1,584) | (100) | (100) | (60) | (60) |
| 24 | Injuries & Damages Write-off | | 75 | 97 | 86 | 86 | 86 | 618 | 618 | 618 | 86 | 86 |
| 25 | Rate Case Costs | | 274 | 101 | - | 160 | 24 | 417 | 193 | - | 720 | - |
| 26 | Rate Case Write-off | | (150) | (150) | (150) | (150) | (150) | - | - | - | (150) | (150) |
| 27 | Other Deferrals and Studies Costs | S.8.8 L. 52,60,68 | - | - | - | - | - | 250 | 16 | 17 | - | - |
| 28 | Other Deferrals and Studies Write-off | S.8.8 L. 53,61,69 | - | - | - | - | - | (18) | (18) | (17) | - | - |
| 29 | Capital Expenditures | | 9,906 | 6,253 | 9,042 | 14,297 | 14,185 | 19,259 | 19,692 | 14,484 | 9,299 | 7,718 |
| 30 | Net Costs Subject to GST | | 48,950 | 42,128 | 46,242 | 52,858 | 56,319 | 60,352 | 65,115 | 61,059 | 47,766 | 44,721 |
| 31 | GST Rate | | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| 32 | GST Refundable | | 2,448 | 2,106 | 2,312 | 2,643 | 2,816 | 3,018 | 3,256 | 3,053 | 2,388 | 2,236 |
| 33 | | | | | | | | | | | | |
| 34 | Day Factor - Expense (Including Capital) | | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 35 | Day Factor - Remittance Lag | | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| 36 | | | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| 37 | | | | | | | | | | | | |
| 38 | GST Impact on Working Capital Increase/(Decrease) | (L.32*L.36)/365 | 205 | 177 | 194 | 222 | 236 | 253 | 273 | 256 | 200 | 187 |
| 39 | | | | | | | | | | | | |
| 40 | Net Impact of GST on Working Capital | S.8.10 L.16 | 115 | 90 | 104 | 129 | 136 | 152 | 165 | 144 | 111 | 98 |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Continuity Schedule of Contributions in Aid of Construction
(\$000)

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|---|------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|--------|-------------------|-------------------|
| | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | Contributions in Aid of Construction | | | | | | | | | | | |
| 2 | Prior Year Gross Contributions | | 36,205 | 38,338 | 41,379 | 44,938 | 50,503 | 54,075 | 57,851 | 62,404 | 36,205 | 38,765 |
| 3 | Additions to Property | | 2,133 | 3,072 | 3,771 | 5,732 | 3,618 | 3,918 | 4,695 | 4,426 | 2,560 | 2,506 |
| 4 | Retirements | | - | (31) | (212) | (167) | (46) | (142) | (142) | (142) | - | - |
| 5 | Current Year Gross Contributions | | 38,338 | 41,379 | 44,938 | 50,503 | 54,075 | 57,851 | 62,404 | 66,688 | 38,765 | 41,271 |
| 6 | Accumulated Amortization | | | | | | | | | | | |
| 7 | Prior Year Accumulated Amortization | | 13,709 | 14,689 | 15,791 | 16,800 | 17,922 | 19,247 | 20,549 | 21,964 | 13,709 | 14,672 |
| 8 | Gross Amortization | S.1 L.13 | 980 | 1,133 | 1,221 | 1,289 | 1,371 | 1,444 | 1,557 | 1,749 | 963 | 1,028 |
| 9 | Retirements | | - | (31) | (212) | (167) | (46) | (142) | (142) | (142) | - | - |
| 10 | Current Year Accumulated Amortization | | 14,689 | 15,791 | 16,800 | 17,922 | 19,247 | 20,549 | 21,964 | 23,571 | 14,672 | 15,700 |
| 11 | Net Contributions in Aid of Construction | S.8.5 L.17 | 23,649 | 25,588 | 28,138 | 32,581 | 34,828 | 37,302 | 40,440 | 43,117 | 24,093 | 25,571 |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Plant Additions
(\$000s)

Revised Schedule 9.1

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|--|------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|----------|-------------------|-------------------|
| | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | Work in progress, Beginning of Year | | 1,035 | 1,771 | 555 | 2,749 | 5,025 | 2,094 | 1,561 | 961 | 1,035 | 620 |
| 2 | | | | | | | | | | | | |
| 3 | Generation: | | | | | | | | | | | |
| 4 | Generating Plants | | 853 | 779 | 1,464 | 1,285 | 2,713 | 5,964 | 7,387 | 2,900 | 1,083 | 1,193 |
| 5 | | | 853 | 779 | 1,464 | 1,285 | 2,713 | 5,964 | 7,387 | 2,900 | 1,083 | 1,193 |
| 6 | Billing: | | | | | | | | | | | |
| 7 | New N60 Billing Systems | | 1,035 | - | - | - | - | - | - | - | 1,008 | - |
| 8 | | | 1,035 | - | - | - | - | - | - | - | 1,008 | - |
| 9 | Distribution: | | | | | | | | | | | |
| 10 | New Extensions | | 3,244 | 3,437 | 3,397 | 6,078 | 4,919 | 5,033 | 5,147 | 5,300 | 3,141 | 2,962 |
| 11 | Distribution Improvements | | 3,395 | 1,203 | 2,251 | 4,626 | 4,018 | 4,021 | 4,457 | 3,875 | 2,967 | 2,532 |
| 12 | Street and Sentinel Lights | | 839 | 354 | 486 | 1,045 | 456 | 420 | 945 | 813 | 506 | 495 |
| 13 | Meters | | 31 | - | 460 | 199 | 283 | 600 | 204 | 207 | - | - |
| 14 | Meters - AMR | | - | - | - | - | - | - | - | - | - | - |
| 15 | Transformers and Regulators | | - | 80 | - | 9 | 34 | 10 | 10 | 10 | - | - |
| 16 | | | 7,509 | 5,074 | 6,593 | 11,957 | 9,709 | 10,084 | 10,762 | 10,205 | 6,613 | 5,988 |
| 17 | General Property and Equipment: | | | | | | | | | | | |
| 18 | Tools, Instruments & Equipment | | 45 | 37 | 176 | 67 | 178 | 117 | 167 | 115 | 50 | 57 |
| 19 | Office Furniture & Equipment | | 10 | 1 | 10 | 72 | 24 | 44 | 42 | 34 | 13 | 10 |
| 20 | Office Computer Equipment | | 3 | 22 | 4 | 36 | - | 5 | 5 | 5 | 6 | 5 |
| 21 | Software | | 138 | 117 | 103 | 13 | 62 | 700 | 2 | 52 | - | - |
| 22 | Fish Lake Water License Renewal | | - | - | - | 491 | 688 | 650 | - | - | - | - |
| 23 | Demand Side Management Costs | | - | - | - | 175 | 139 | 75 | - | - | - | - |
| 24 | Communication Equipment | | 57 | 47 | 228 | 49 | 57 | 65 | 11 | 12 | 102 | 54 |
| 25 | Transportation Equipment | | 139 | 100 | 358 | 257 | 421 | 424 | 995 | 850 | 205 | 230 |
| 26 | Land and Buildings | | 117 | 76 | 106 | 141 | 193 | 1,131 | 321 | 312 | 219 | 181 |
| 27 | | | 509 | 400 | 985 | 1,301 | 1,762 | 3,210 | 1,544 | 1,380 | 595 | 537 |
| 28 | | | | | | | | | | | | |
| 29 | Miscellaneous Other | | - | - | - | - | - | - | - | - | - | - |
| 30 | | | | | | | | | | | | |
| 31 | Total Capital Expenditures | | 9,906 | 6,253 | 9,042 | 14,542 | 14,185 | 19,259 | 19,692 | 14,484 | 9,299 | 7,718 |
| 32 | | | | | | | | | | | | |
| 33 | Less: Transfers to Rate Base | S.8.6 L.5 | (9,170) | (7,469) | (6,848) | (12,266) | (17,116) | (19,792) | (20,292) | (14,484) | (9,714) | (7,758) |
| 34 | | | | | | | | | | | | |
| 35 | Work in Progress, End of Year | S.8.5 L.5 | 1,771 | 555 | 2,749 | 5,025 | 2,094 | 1,561 | 961 | 961 | 620 | 580 |

The Yukon Electrical Company Limited
2013 - 2015 General Rate Application
Income Tax Expense
(\$000s)

Revised Schedule 10.1

| Line No. | Description | Cross Ref. | Actual 2008 | Actual 2009 | Actual 2010 | Actual 2011 | Actual 2012 | Test Period | | | GRA Approved 2008 | GRA Approved 2009 |
|----------|------------------------------------|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| | | | | | | | | 2013 | 2014 | 2015 | | |
| 1 | Utility Earnings Before Tax | | 1,250 | 2,306 | 2,465 | 2,396 | 2,177 | 2,107 | 3,141 | 3,613 | 1,305 | 1,953 |
| 2 | Add: | | | | | | | | | | | |
| 3 | Depreciation | S.1.1 L.12 | 3,181 | 3,446 | 3,683 | 4,129 | 4,192 | 4,520 | 5,252 | 5,778 | 3,354 | 3,661 |
| 4 | Amortization of Contributions | S.1.1 L.13 | (980) | (1,133) | (1,221) | (1,289) | (1,371) | (1,444) | (1,557) | (1,749) | (963) | (1,028) |
| 5 | Non-Allowable Expenses | | 21 | 27 | 25 | 25 | 28 | 25 | 25 | 25 | 18 | 18 |
| 6 | Plant Maintenance Write-off | S.8.8 L.36 | 124 | 141 | 141 | - | - | - | - | - | 123 | 123 |
| 7 | Deferred Charges Write-off | S.8.8 L.24 + L.25 | 600 | 150 | 150 | 150 | 150 | 18 | 18 | 17 | 150 | 150 |
| 8 | Injuries & Damages Write-off | S.8.4 L.27 | 75 | 97 | 86 | 86 | 86 | 618 | 618 | 618 | 86 | 86 |
| 9 | Fish Lake Water License Write-off | S.8.8 L.45 | 147 | 147 | - | - | - | - | - | - | 154 | 154 |
| 10 | Charges to Deferred Pension & OPEB | | 416 | 448 | 547 | 590 | 870 | 473 | 412 | 412 | 648 | 683 |
| 11 | Sub-Total | | <u>3,584</u> | <u>3,323</u> | <u>3,411</u> | <u>3,691</u> | <u>3,956</u> | <u>4,210</u> | <u>4,767</u> | <u>5,100</u> | <u>3,570</u> | <u>3,847</u> |
| 12 | | | | | | | | | | | | |
| 13 | Deduct: | | | | | | | | | | | |
| 14 | CCA | | 3,461 | 3,668 | 3,006 | 3,085 | 3,559 | 4,449 | 5,375 | 5,870 | 3,515 | 3,700 |
| 15 | Plant Maintenance Reserve Charges | S.8.8 L.34 | 118 | - | - | - | - | - | - | - | 60 | - |
| 16 | Rate Case Expenditure | S.8.8 L.23 | 274 | 101 | - | 160 | 24 | 417 | 193 | - | 720 | - |
| 17 | Injuries & Damages Costs | S.8.4 L.28 | - | 147 | 100 | 100 | - | 100 | 100 | 100 | 60 | 60 |
| 18 | Fish Lake Water Licence Costs | S.8.8 L.34 / S.9.1 L. 22 | 137 | 259 | 358 | 491 | 688 | 650 | - | - | 150 | - |
| 19 | Pension & OPEB payments | S.8.4 L.14 + L.21 | 668 | 688 | 821 | 865 | 1,317 | 728 | 643 | 643 | 648 | 683 |
| 20 | Inventory Pool Costs Capitalized | | 215 | 243 | 238 | 193 | 277 | 287 | 297 | 290 | 358 | 376 |
| 21 | Deferred Charges | | 38 | 58 | - | - | 28 | - | - | - | - | - |
| 22 | Dismantling Costs | | - | - | 185 | 100 | 64 | 70 | 70 | 70 | - | - |
| 23 | Cumulative Eligible Captial | | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 9 |
| 24 | ES&G & Other Deductible Costs | | 431 | 325 | 732 | 1,054 | 1,122 | 993 | 688 | 688 | 350 | 350 |
| 25 | Sub-Total | | <u>5,352</u> | <u>5,500</u> | <u>5,451</u> | <u>6,058</u> | <u>7,089</u> | <u>7,704</u> | <u>7,376</u> | <u>7,670</u> | <u>5,871</u> | <u>5,178</u> |
| 26 | | | | | | | | | | | | |
| 27 | Taxable Income | | (519) | 129 | 424 | 29 | (956) | (1,387) | 532 | 1,043 | (996) | 622 |
| 28 | Tax Rate | | <u>34.5%</u> | <u>34.0%</u> | <u>33.0%</u> | <u>31.5%</u> | <u>30.0%</u> | <u>30.0%</u> | <u>30.0%</u> | <u>30.0%</u> | <u>34.5%</u> | <u>34.0%</u> |
| 29 | Income Tax | | (179) | 44 | 140 | 9 | (287) | (416) | 160 | 313 | (344) | 211 |
| 30 | Book to Filing Adjustment | | 85 | (34) | 138 | 52 | (20) | - | 0 | - | - | - |
| 31 | Total Current Provision | S.1.1 L.16 | <u>(94)</u> | <u>10</u> | <u>278</u> | <u>61</u> | <u>(307)</u> | <u>(416)</u> | <u>160</u> | <u>313</u> | <u>(344)</u> | <u>211</u> |

The Yukon Electrical Company Limited
Determination of the Rate Adjustment Rider R
Effective July 1, 2014 - December 31, 2014
(\$000's)

Revised Schedule 12.1

| Line No. | | | |
|-------------|--|-----------------|----------------------------|
| 1 | 2013 Component (A) | | |
| 2 | 2013 Retail Revenue Requirement | S2.1 L.51 | 49,812 |
| 3 | 2013 Retail Revenue on Existing Rates | S2.1 L.51 | <u>47,642</u> |
| 4 | Revenue Shortfall/(Surplus) (\$000s) | (2) - (3) | 2,169 |
| 5 | 2013 Rider R Collections ⁽¹⁾ | | |
| 6 | YECL Jul-Dec 2013 Actual Rider R Collections | | 1,332 |
| 7 | YEC Jul-Dec 2013 Actual Rider R Collections | | <u>302</u> |
| 8 | Total 2013 Rider Collections | (6)+(7) | 1,634 |
| 9 | 2013 Rider F Collections Transfer | S12.3 L.14 | 586 |
| 10 | Net 2013 Revenue Shortfall/(Surplus) | (4) - (8) - (9) | (51) |
| 11 | 2014 Component (B) | | |
| 12 | 2014 Retail Revenue Requirement | S2.1 L.51 | 53,473 |
| 13 | 2014 Retail Revenue on Existing Rates | S2.1 L.51 | <u>49,811</u> |
| 14 | Revenue Shortfall/(Surplus) | (12) - (13) | 3,662 |
| 15 | 2014 Rider R Collections ⁽¹⁾ | | |
| 16 | YECL Jan 1 - Apr 30, 2014 Actual Rider R Collections | | 1,204 |
| 17 | YEC Jan 1 - Apr 30, 2014 Actual Rider R Collections | | 221 |
| 18 | YECL May 1 - Jun 30 2014 Forecast Rider R Collections | | 486 |
| 19 | YEC May 1 - Jun 30, 2014 Forecast Rider R Collections | | <u>95</u> |
| 20 | Total 2014 Rider Collections | sum (16-19) | 2,006 |
| 21 | 2014 Rider F Collections Transfer | S12.3 L.22 | 277 |
| 22 | Net 2014 Revenue Shortfall/(Surplus) | (14)-(20)-(36) | 1,378 |
| 23 | Total 2013 and 2014 Net Revenue Shortfall (A)+(B) | (10)+(22) | 1,328 |
| 24 | Primary Sales Revenues for Period Which Shortfall is to be Collected/Refunded | | |
| 25 | YECL: Jul 1/14 - Dec 31/14 | | 23,136 |
| 26 | YEC: Jul 1/14 - Dec 31/14 | | <u>4,687</u> |
| 27 | Total Primary Sales Revenues | (25)+(26) | 27,823 |
| 28 | 2013/2014 Rate Adjustment Rider R effective July 1, 2014 | (23)/(27)*100 | <u><u>4.77%</u></u> |

⁽¹⁾ 6.5% Rider R per Board Order 2013-05

The Yukon Electrical Company Limited
Determination of the Rate Adjustment Rider R
Effective January 1, 2015
(\$000's)

Schedule 12.2

| Line No. | | | |
|-----------------|--|--------------|----------------------------|
| 1 | Revenues | | |
| 2 | 2015 Retail Revenue Requirement | S2.1 L.51 | 55,183 |
| 3 | 2015 Retail Revenues on Existing Rates | S2.1 L.51 | <u>50,830</u> |
| 4 | Revenue Shortfall | (2) - (3) | 4,353 |
| 5 | 2015 Primary Sales Revenues on Existing Rates | | |
| 6 | YECL: Jan 1/15 - Dec 31/15 | | 50,802 |
| 7 | YEC: Jan 1/15 - Dec 31/15 | | <u>9,634</u> |
| 8 | Total Primary Sales Revenues | (6)+(7) | <u>60,436</u> |
| 9 | Rate Adjustment Rider R effective January 1, 2015 | (6)/(10)*100 | <u><u>7.20%</u></u> |

The Yukon Electrical Company Limited
Rider F 2013-2015 (Receivable from) / Payable to Customers Actual History
January 1, 2013 - June 30, 2014
(\$000's)

Schedule 12.3

| Line No. | Month | Opening Balance | Fuel Variance ⁽¹⁾ Original | Fuel Variance ⁽²⁾ Revised | Actual Rider F Collection | Actual Transfer from YEC | Collections Transferred to Rider R | Closing Balance |
|----------|-----------|-----------------|---------------------------------------|--------------------------------------|---------------------------|--------------------------|------------------------------------|-----------------|
| | | (A) | (B) | (C) | (D) | (E) | (F) | (G) |
| 1 | Dec-12 | | | | | | | (2) |
| 2 | Jan-13 | \$ (2) | \$ (96) | \$ (34) | \$ 72 | \$ (0) | \$ (62) | \$ 36 |
| 3 | Feb-13 | \$ 36 | \$ (101) | \$ (47) | \$ 57 | \$ (1) | \$ (54) | \$ 45 |
| 4 | Mar-13 | \$ 45 | \$ (91) | \$ (31) | \$ 55 | \$ 43 | \$ (60) | \$ 112 |
| 5 | Apr-13 | \$ 112 | \$ (87) | \$ (46) | \$ 56 | \$ 14 | \$ (42) | \$ 136 |
| 6 | May-13 | \$ 136 | \$ (70) | \$ (27) | \$ 45 | \$ 12 | \$ (43) | \$ 167 |
| 7 | Jun-13 | \$ 167 | \$ (57) | \$ (27) | \$ 43 | \$ 11 | \$ (31) | \$ 194 |
| 8 | Jul-13 | \$ 194 | \$ (56) | \$ 16 | \$ 41 | \$ 12 | \$ (72) | \$ 263 |
| 9 | Aug-13 | \$ 263 | \$ (54) | \$ (50) | \$ 41 | \$ 12 | \$ (4) | \$ 266 |
| 10 | Sep-13 | \$ 266 | \$ (81) | \$ (16) | \$ 39 | \$ 11 | \$ (65) | \$ 301 |
| 11 | Oct-13 | \$ 301 | \$ (89) | \$ (52) | \$ 44 | \$ 11 | \$ (38) | \$ 304 |
| 12 | Nov-13 | \$ 304 | \$ (109) | \$ (50) | \$ 49 | \$ 10 | \$ (59) | \$ 313 |
| 13 | Dec-13 | \$ 313 | \$ (161) | \$ (105) | \$ 58 | \$ 12 | \$ (57) | \$ 278 |
| 14 | | \$ | \$ (1,054) | \$ (468) | \$ 602 | \$ 146 | \$ (586) | \$ 280 |
| 15 | | | | | | | | |
| 16 | Jan-14 | \$ 278 | \$ (173) | \$ (110) | \$ 41 | \$ 11 | \$ (63) | \$ 220 |
| 17 | Feb-14 | \$ 220 | \$ (181) | \$ (129) | \$ (0) | \$ (6) | \$ (52) | \$ 85 |
| 18 | Mar-14 | \$ 85 | \$ (170) | \$ (110) | \$ (0) | \$ (0) | \$ (60) | \$ (25) |
| 19 | Apr-14 | \$ (25) | \$ (156) | \$ (114) | \$ 0 | \$ (0) | \$ (42) | \$ (139) |
| 20 | May-14(3) | \$ (139) | \$ (131) | \$ (93) | \$ - | \$ - | \$ (38) | \$ (232) |
| 21 | Jun-14(3) | \$ (232) | \$ (131) | \$ (109) | \$ - | \$ - | \$ (22) | \$ (341) |
| 22 | | \$ | \$ (943) | \$ (666) | \$ 41 | \$ 5 | \$ (277) | |

Notes:

- (1) Using 08/09 GRA fuel prices and heat rates
- (2) Using 13-15 GRA fuel prices and heat rates
- (3) Projected using GRA assumptions