

Final Report

2013 Equity Management Plan and Electric System Rate Study

Public Utility District No. 1
of Okanogan County, Washington

August 2013

SAIC[®]



August 22, 2013

Mr. John R. Grubich
General Manager
Okanogan County Public Utility District
1331 2nd Avenue North
Okanogan, Washington 98840

Subject: 2013 Equity Management Plan and Electric System Rate Study

Dear Mr. Grubich:

SAIC Energy, Environment & Infrastructure, LLC and its subconsultants, NewGen Strategies & Solutions, LLC, and Cuthbert Consulting Inc. are pleased to submit this final report summarizing the results of the 2013 Equity Management Plan and Electric System Rate Study.

The preparation of this study was a collaborative effort by Okanogan PUD and the SAIC project team. We greatly appreciate Okanogan's assistance in providing information, guidance, and review during the study. Thank you for the opportunity to be of service to Okanogan PUD.

Sincerely,

A handwritten signature in blue ink that reads "Jennifer A. White".

Jennifer A. White
Project Manager
SAIC Energy, Environment & Infrastructure, LLC

A handwritten signature in blue ink that reads "Richard W. Cuthbert".

Richard W. Cuthbert
President
Cuthbert Consulting Inc.

A handwritten signature in blue ink that reads "Gina Baxter".

Gina Baxter
Senior Consultant
NewGen Strategies and Solutions, LLC

File: 001145/3153311003

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August 2013

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Public Utility District No. 1
of Okanogan County, Washington

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Section 1

INTRODUCTION

SAIC Energy, Environment & Infrastructure, LLC (SAIC) was retained by the Public Utility District No. 1 of Okanogan County (the District) in January 2013 to assist District staff with development of the 2013 Equity Management Plan (2013 EMP) and the 2013 Electric System Cost-of-Service and Rate Design Study (2013 Rate Study). Work on these two efforts was completed between January 2013 and August 2013 by SAIC staff along with the staff of its subconsultant, NewGen Strategies & Solutions, LLC (NewGen).

Since 2008, SAIC (formerly R. W. Beck, Inc.) has provided the District assistance with its equity management plans and cost-of-service and rate design studies. SAIC developed the 2010 Equity Management Plan (2010 EMP), a long-term financial planning model. Additionally, SAIC prepared a 2010 cost-of-service and rate design study (the 2010 Rate Study) for the District based on information from the 2010 EMP to develop a series of rate increases that were implemented over the 2010 to 2012 time period. In 2012, SAIC was retained to review and modify the District's irrigation rates, which were implemented in April 2012. Following this effort, SAIC also prepared a draft update of the prior 2010 EMP for the District (the draft 2012 EMP), which indicated the likely need for rate increases by the District during calendar year 2013 and beyond.

The scope of work for the 2013 EMP is based on updating the prior EMP model, which incorporates the District's long-term planning needs and evaluates its financial outlook related to operating expenses, capital improvements, financing requirements and rate increases as well as other pertinent operating and financial information. The District faces a number of uncertainties in the coming years related to load growth, higher Bonneville Power Administration (BPA) rates, and possible capital improvement needs and resource development options. Given these uncertainties and the projected levels of rate increases, the 2013 EMP was prepared to update and refine projections of the electric system financial performance and to assist in understanding possible future rate levels, funding options and overall long-term financial options available to the District.

Additionally, the cost-of-service and rate study analyses from the 2010 Rate Study were updated to reflect the new 2013 EMP projections for use in the preparation of a new 2013 Rate Study. The results of the 2013 EMP were used as the basis for the test year (TY) 2013 revenue requirements used in this 2013 Rate Study. The cost-of-service analysis provides information to the District regarding the cost of serving its customer classes and how this compares to the existing rates. As further discussed in this report, the information from this study was used to assess the need for, and magnitude of, possible rate changes to be effective September 1, 2013 and in later years.

Report Organization

This report is organized into four sections plus appendices. General information about the study is provided in Section 1. An overview of the 2013 EMP analysis is provided in Section 2 and the cost-of-service and rate design analyses for the 2013 Rate Study follow in Section 3. A discussion related to the summary and conclusions is provided in Section 4. Detailed analyses of these two studies are provided in Appendices A through I. In addition, a copy of District's Resolution No. 1567 (which authorized the District to implement new rates to be effective on or after September 1, 2013) is provided in Appendix J.

Section 2

EQUITY MANAGEMENT PLAN ANALYSIS

Introduction

When completed in 2010, the District's 2010 EMP indicated that the District needed a 10 percent rate increase in 2010, a 20 percent rate increase in 2012 and a 10 percent rate increase in 2014 to meet its financial objectives. The projected rate increase in the first year was attributed to the increase in purchased power costs from BPA and rate increases needed in 2012 and 2014 were driven by the need to maintain adequate cash levels. In addition, the District had been experiencing decreases in wholesale revenues.

Given the level of rate increases that were projected, a more moderate and consistent level of rate adjustments was adopted over the first three years of the projection period. The District authorized annual rate adjustments of 6.5 percent in 2010, 2011 and 2012 and 3 percent annual rate increases beginning in 2013 and every year thereafter by adoption of Resolution No. 1506. The reduction of implementing the full rate increases projected to be needed in 2010 and 2012 as identified in the 2010 EMP as well as the ongoing decrease in wholesale revenues were factors that affected the District in 2012 and were significant factors considered in the 2013 EMP review efforts.

In 2012, SAIC prepared a draft update of the prior 2010 EMP for the District, which indicated a likely need for significant rate increases during calendar year 2013 and beyond. Beginning in January 2013, the District's EMP model was updated to help the District evaluate its projected financial performance under various scenarios over a ten-year planning period from 2013 through 2022 (the study period).

As part of the development of the 2013 EMP, several factors were considered to be of significant importance in the District's financial planning efforts. These factors included the need to:

- Establish appropriate debt service coverage (DSC) and times interest earned ratio (TIER) requirements,
- Balance borrowing needs and rate-funded equity levels to fund the District's capital needs,
- Maintain a favorable equity ratio,
- Maintain appropriate cash reserve levels, and
- Evaluate future revenue requirement and future rate adjustment needs.

A principal goal defined by the District for the 2013 EMP was to examine the long-term retail rate impacts of several projected changes to the District's system, including:

- Bonneville Power Administration (BPA) rate increases,

- Declining wholesale sales revenues, and
- Development of the Enloe Dam Hydroelectric Facility.

The 2013 EMP was developed in the context of helping the District evaluate appropriate rate levels to meet the financial targets of the utility while continuing to provide reliable electric service given operational and financial changes.

Approach

The 2013 EMP process involved updating a detailed financial based spreadsheet model, which projects annual revenues and expenditures for the District over the study period. An income statement, statement of cash flows, and balance sheet projections were developed in the model as well as supporting schedules for plant investment, funding requirements and sources, existing and new debt service payments, and a general funds summary.

Updating the 2013 EMP involved discussions concerning operational and financial planning assumptions and variables among SAIC and NewGen staff, District management and staff, and the District's Board of Commissioners. Based on the results of these discussions and input received, several key assumptions were made. Some of these key assumptions made in the 2013 EMP include: (1) the District would continue with development of Enloe Dam, assumed to be operational in 2017, (2) the District's wholesale revenues would continue to decrease over time, and (3) significant BPA rate increases would continue in the future. A full discussion of the key assumptions used in the EMP is provided later in this section of the report.

Based on the above assumptions and considerations, a 2013 EMP Base Case financial projection was developed. Given that the Base Case results indicated a likely need for significant rate increases during calendar year 2013 and beyond, SAIC and NewGen staff worked with District management to identify certain alternative financial-related assumptions and options to be reviewed. The EMP model was used to analyze the impact of these alternative assumptions and options on the District's projected financial result in alternative EMP scenarios. As a result, a number of alternative scenarios were developed and evaluated, and these alternative scenarios were narrowed down to three scenarios that included consideration of the following assumptions and options:

- **Scenario 1:** Reducing the District's capital improvements expenditures by 30 percent over the 10-year study period.
- **Scenario 2:** Reducing projected operating and maintenance expenses for 2013 from the 2013 budgeted levels escalated by a 2.2 percent annual inflation rate over the study period to the 2012 actual level and escalating this amount by 3.0 percent annually over the study period. (The difference in the inflation rate assumptions was attributed to the utility's cost for one-time studies and other miscellaneous expenses that occur from time to time that are not captured in the 2012 actual base year. The 2013 budget also included \$2.9 million that was reclassified as capitalized labor in this scenario.)

- **Scenario 3:** Combination of the District implementing both Scenarios 1 and 2 spending reductions.

The EMP process and draft EMP scenario results were presented to a review panel of Board-selected District customers from the community in two half-day workshops and then to the District's Board in a series of three workshops to allow for customer input and guidance during the EMP development process. In these workshops, it was the consensus that the results of both the Base Case and the three alternative scenarios all indicated the need for the District to significantly increase its revenues during first three years of the study period, and it was determined that the District should proceed use of the Base Case EMP in the 2013 Rate Study. The results of these EMP analyses are discussed in greater detail later in this section.

After receiving input on the EMP results, it was determined that three different EMP options would be developed using the Base Case EMP to review alternative timing and rate increase options for the District to consider for evaluation of rate increase options. These three alternative EMP options were as follows:

- **Base Case – Rate changes implemented only as necessary:** Annual rate adjustments were set to meet financial targets and to ensure positive net income for the District by 2014. In this EMP rate scenario, use of funds from the rate stabilization reserves were projected to be needed in order for the District to meet its 1.25 debt service coverage requirement in 2013.
- **Option 1 – Only two rate changes implemented:** Instead of significant rate increases occurring over a three-year period as in the Base Case, only two rate increases would be implemented by District to meet financial targets and to ensure positive net income by 2014. This scenario also indicated the need for the District to use funds from the rate stabilization reserves in order for the District's to meet the 1.25 debt service coverage requirement in 2013.
- **Option 2 – Moderated level of rate changes:** The rate increases in the first two years under this scenario would be at a more moderate level than the Base Case. Allocated funds from the rate stabilization reserves in 2013 and 2014 to show the District's ability to meet the 1.25 debt service coverage requirements. Funds are set aside between 2015 and 2016 to build the rate stabilization fund back up to a \$3 million balance. A positive net income is not reached until 2015 under this scenario.

These results are discussed in detail later in this section. The 2013 EMP, like any financial plan, will need to be adjusted and updated periodically as conditions change and as each year's operating results become known. Given the significant uncertainty related to projected wholesale revenues, it is recommended that the District review and update the EMP annually during the next several years as part of its ongoing financial planning process.

Financial Goals

District financial goals are discussed below.

- **DSC and TIER Levels:** The District has determined that minimum DSC and TIER target levels of 1.50 are necessary to meet lender requirements and to ensure the security of debt service payments.
- **Cash Levels:** Minimum cash levels equivalent to approximately 60 days of operating expenses (i.e., operations, maintenance, and interest expenses) are necessary to maintain sufficient liquidity for cash transaction requirements and unforeseen events. In addition, District staff are considering adding a line of credit for short-term cash needs.
- **Equity Levels:** The District realizes that it is prudent to maintain a minimum long-term equity ratio of at least 50 percent. Although the District is not required to maintain a specific equity ratio, its lenders have expectations regarding equity levels consistent with strong financial performance, which the District wishes to maintain.
- **Funding of Capital Expenditures:** Significant capital expenditures, including funding for the development of Enloe Dam, are projected during the study period in order for the District to provide efficient and reliable service. It is important for the District to maintain strong financial performance levels to assure its access to low cost capital to fund these capital expenditures and to keep its rates for electric service at reasonable levels in the future.
- **Rate Stability and Competitiveness:** In developing the EMP, the District worked diligently to balance the goal of stable and competitive rates for its customers with the goals of meeting its financial targets and continuing to provide reliable electric service.

Key Assumptions

Principal assumptions used in development of the 2013 EMP are as follows:

- **Cost of Power Increases:** The District will experience cost of power increases during the study period from BPA Power Supply and BPA Transmission Service.
 - **BPA Power Supply:** Estimated 9.6 percent increase in October 2013 for two years and 6 percent increases thereafter (every other year).
 - **BPA Transmission Service:** Estimated 13 percent increase in October 2013 for two years 2013 and 6 percent increases thereafter (every other year).
- **Load Forecast:** The District's projected customer sales and load requirements are based on a load forecast developed by District staff. Overall, retail sales are projected to increase 1.0 percent on an average annual basis during the study period. Wholesale sales are projected to decrease gradually (average annual growth rate of -1.0 percent from 2012-2022), with a one-year increase in wholesale sales in 2017 associated with the addition of power from Enloe Dam.

- **Wholesale Revenues:** Wholesale revenues are assumed to decrease over the study period from approximately \$3.5 million in 2012 to \$2.7 million in 2022. The decrease in wholesale revenues is the result of decreased wholesale sales and lower projected wholesale power prices.
- **Enloe Dam Hydroelectric Facility:** It is assumed the District will continue to pursue the development of Enloe Dam with operation projected to begin in 2017. The projected power generated and operating costs for this project were obtained from Schedule D of the Final License Application to the Federal Energy Regulatory Commission dated August 2008.
- **Capital Improvement Expenditures:** The ten-year Capital Improvement Plan (CIP) projects capital improvement expenditures to equal approximately \$102.4 million (nominal dollars) during the study period. These expenditures include the following items:
 - Enloe Dam Hydroelectric Project – \$35.2 million for a 9.0-MW hydroelectric facility projected to be operational in 2017.
 - Transmission – \$17.3 million (including \$9 million for the Pateros to Twisp 115-kV Transmission Line in 2013-2014 for the construction of a 28-mile-long, 115-kV transmission line from the existing Brewster-Pateros line to the Twisp Substation).
 - Substations – \$9.8 million.
 - Normal Replacements and Additions – \$24.8 million.
 - Other Projects – \$15.3 million
- **Base Year Operating Results:** The District's 2010-2011 audited financial reports and unaudited 2012 reports were used to reflect actual expenditures. The 2013 final budget expenditures were the basis for the initial year of the financial projections. Operating and maintenance expenses in 2014 and beyond were escalated from the 2013 budget over the projection period.

Overview of 2013 EMP Analysis Results

The following table provides an outline of the detailed 2013 EMP analysis results as provided in the appendices to this report. The results for the EMP Base Case and Options 1 and 2 are provided in Appendices A through C.

Table 2-1
Okanogan County PUD
Outline of 2013 EMP Analysis Results

Table	Description
Table 1 – Summary of Results and Assumptions	Key results including average unit revenues, margins, equity ratio, year-end cash balances, TIER and DSC ratio levels. Basic financial assumptions, capital credit retirement assumptions, days of working cash capital, debt terms, and annual depreciation assumptions
Table 2 – Projected Revenues at Existing Rates	Projected energy sales by customer class; projected revenues from energy sales at rate levels by customer class that became effective in July 2012
Table 3 – Income Statement – Accrual Basis	Projected operating revenues and expenses; operating margins and total margins; unit revenues from energy sales
Table 4 – Pro forma Balance Sheet as of December 31	Projected year end assets, equities and liabilities; financial ratios
Table 5 – Statement of Operations – Cash Basis	Projected cash from operations; annual debt service payments; uses of cash margins; DSC
Table 6 – General Funds Summary	Projected general fund balances; sources and uses of general funds
Table 7 – Plant Investment and Depreciation Expense	Additions and replacements to utility plant; depreciation expense
Table 8 – Long-term Debt and Debt Service	Long-term debt; new debt incurred; annual debt service payment obligations; funding requirements for capital additions
Table 9 – Energy Resources and Cost of Power	Total projected District energy requirements; projected energy resources; estimated cost of purchased power and power production
Table 10 – Projected Cost of Power Adjustment Revenues	Projected retail sales, estimated change in power costs since 2012 and estimated cost of power adjustment charges

Summary of 2013 EMP – Base Case Analysis Results

A summary of key financial indicators for the Base Case EMP projections is discussed below and presented in Table 2-2. Detailed results are presented in Appendix A. The components and results of the 2013 EMP Base Case are based on the financial and operational objectives defined previously. In particular, the analysis is based on the District meeting both a target DSC ratio and a target total TIER level of 1.50 by 2015. Additionally, working capital is maintained at a level approximately equal to 60 days of operating and maintenance expenditures by 2014.

Table 2-2
Okanogan County PUD
Summary of Results
EMP Scenario – Base Case

SUMMARY OF RESULTS	Historical			Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Unit Revenue from Retail Sales (¢/kWh)	5.10	5.46	6.13	6.65	7.81	8.44	8.80	9.08	9.36	9.47	9.71	9.79	9.97
Increase over Previous Year	6.4%	7.0%	12.1%	8.6%	17.4%	8.0%	4.3%	3.2%	3.0%	1.1%	2.6%	0.9%	1.8%
Necessary Retail Rate Change (1)	0.0%	0.0%	0.0%	12.5%	12.5%	2.5%	2.5%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Equity to Total Assets	63.2%	64.0%	64.8%	64.5%	50.7%	52.3%	45.4%	46.8%	48.5%	50.2%	51.9%	53.6%	55.3%
Cash (Year End) (\$000)	\$7,619	\$9,782	\$4,416	\$1,022	\$22,749	\$8,132	\$14,297	\$10,891	\$9,865	\$8,086	\$8,675	\$10,489	\$13,227
Days of Working Capital on Hand	74	95	43	9	187	65	111	81	71	57	59	70	85
Debt Service Coverage Ratio (DSCR)	0.77	1.36	1.47	1.25	1.38	2.01	1.76	1.67	1.77	1.78	1.77	1.78	1.96
Operating TIER	(4.99)	(0.10)	(0.75)	(2.16)	0.34	1.23	1.03	0.99	1.09	1.08	1.03	1.02	1.02
Total TIER	(2.11)	0.46	0.96	0.29	1.00	1.93	1.54	1.52	1.65	1.67	1.67	1.71	1.77

Note: (1) Rate increases effective September 1, 2013 and July 1st for all other years.

Under these assumptions, rate increases are projected for 2013 through 2017 with a first rate increase assumed to be effective September 1, 2013 and July 1 each year thereafter. The significant 2013 and 2014 12.5 percent rate increases are primarily driven by the need for the District to achieve adequate cash levels and to reach positive net income by 2014. These projections assume that approximately \$2.6 million from the rate stabilization fund would be used to meet the 1.25 debt service coverage requirements in 2013. Projected DSC and total TIER levels are summarized in Table 2-2 and in Figure 2-1.

In addition to increased purchased power costs, the District is projecting decreased wholesale revenues from levels seen in the past few years. This is due to projected decreases in wholesale sales and lower projected wholesale power prices. An one-year increase in the power available for wholesale sales occurs in 2017 with the completion of Enloe Dam. Figure 2-2 displays the projected retail, wholesale and other revenues, and Figure 2-3 shows the historical and projected wholesale revenues.

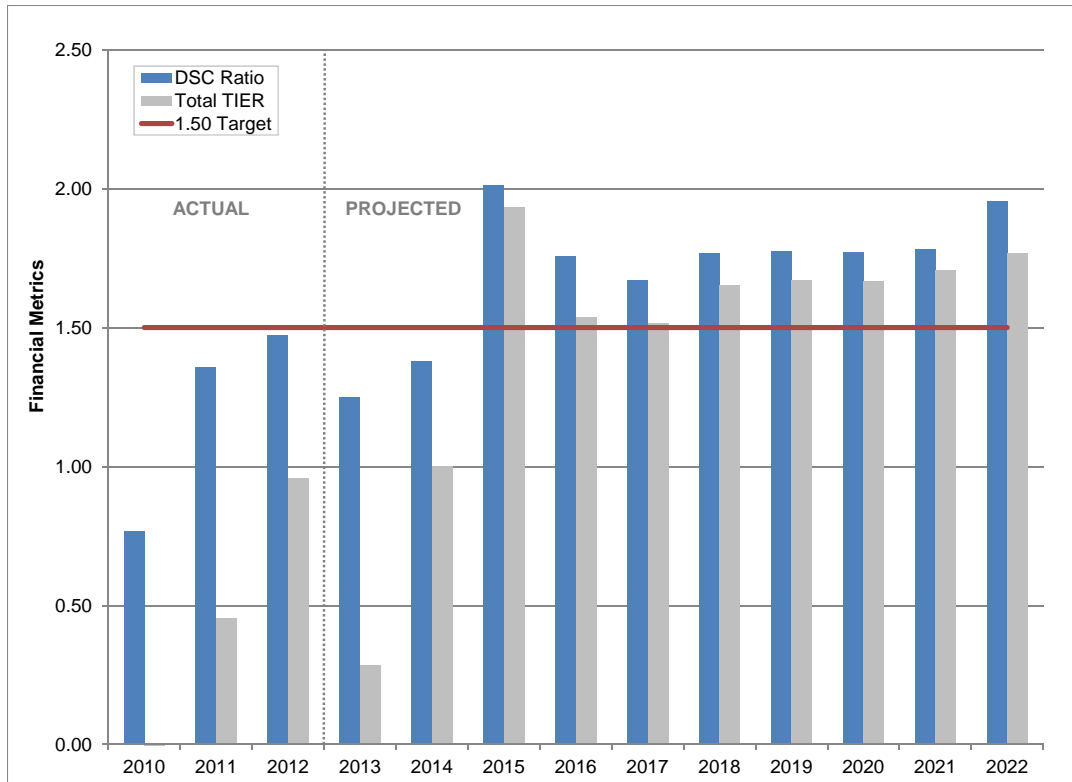


Figure 2-1: Projected DSC Ratio and Total TIER Levels

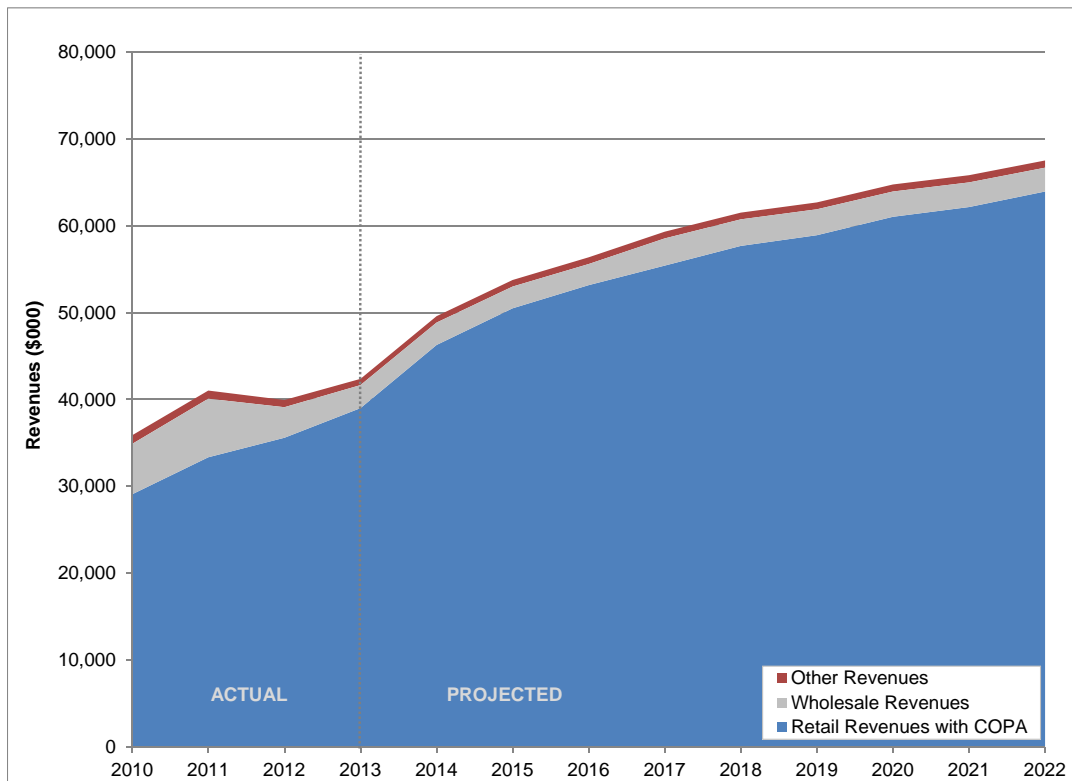


Figure 2-2: Projected Electric Revenues by Source

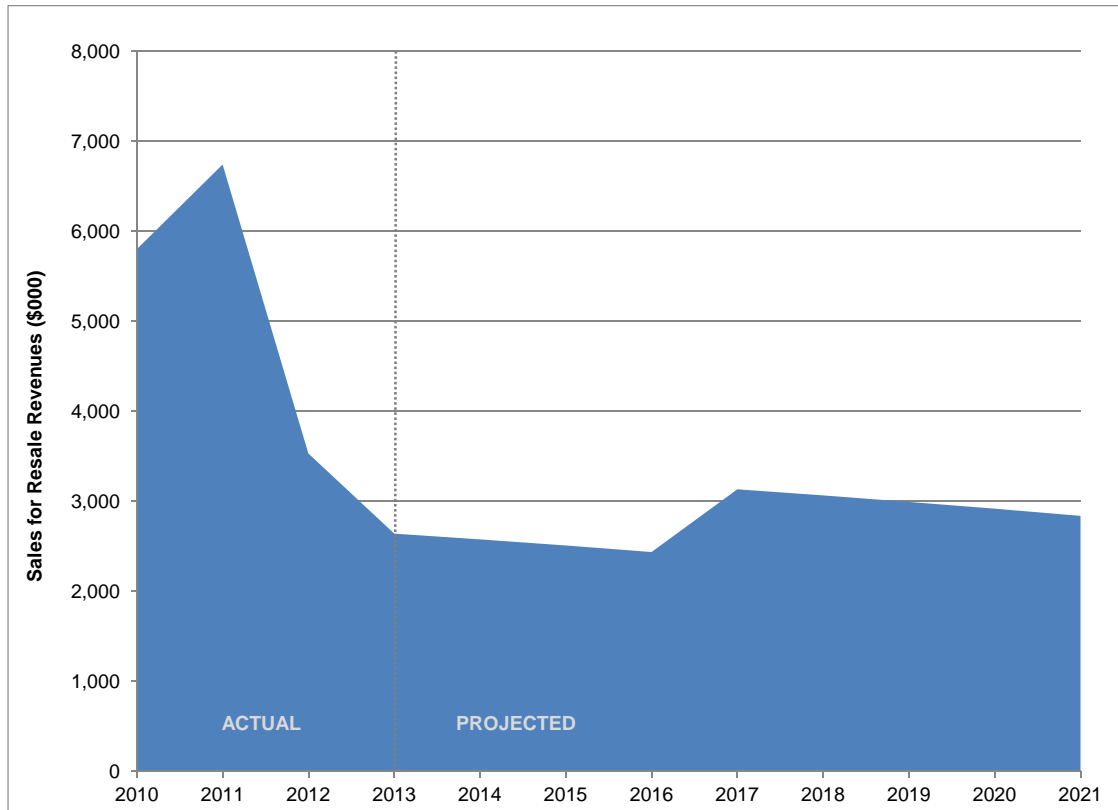


Figure 2-3: Projected Sales for Resale Revenues

Total annual capital expenditures and sources of funding are shown in Figure 2-4. It is projected that approximately \$111.8 million (nominal dollars) of capital expenditures will occur during the study period. The largest amount of these expenditures occurs during the 2013 to 2016 period, when approximately \$71 million of these expenditures are projected to be completed. Overall, capital expenditures will be largely funded with projected debt issuances in 2014 and 2016. Table 2-3 shows the projected debt issuances and uses of funds, and the impacts of these changes on the District’s net assets (equity) and total assets are reflected in Figure 2-5.

**Table 2-3
Okanogan County PUD
Projected Capital Funding**

Year	Amount (\$M)	Use of Funds
2013	\$7.2	Use of Unspent Bond Proceeds
Projected Debt Issuance:		
2014	\$35.2	Enloe Dam Construction
2016	\$29.0	General Capital Improvements

Section 2

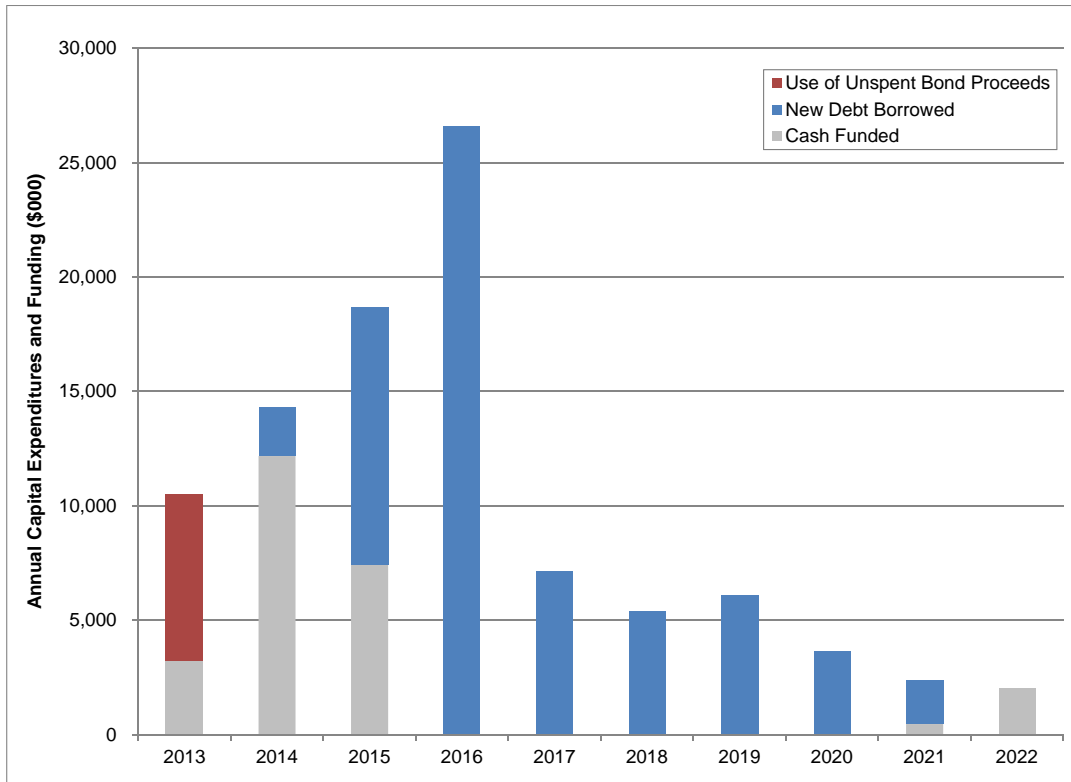


Figure 2-4: Annual Capital Expenditures and Funding (\$000)

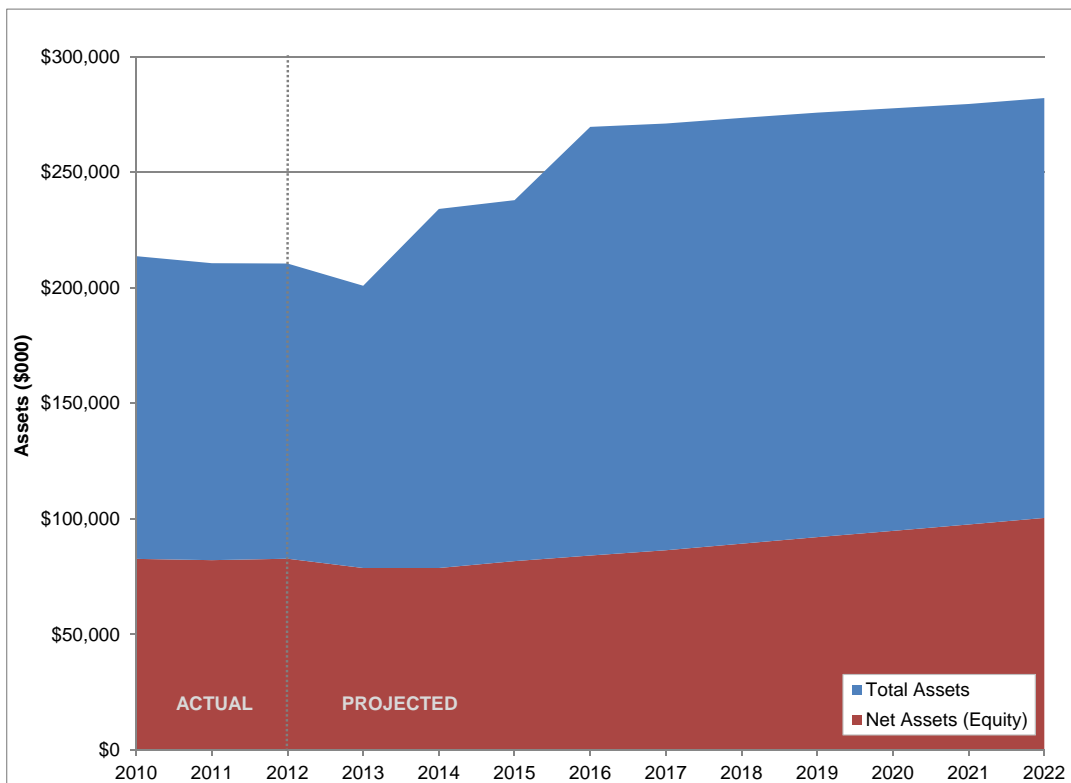


Figure 2-5: Net Assets and Total Assets

One goal of the 2013 EMP analysis was to allow the District to balance its borrowing needs sufficient to moderate rate increases while maintaining a strong equity ratio. The ratio of equity to total assets is projected to be approximately 64.5 percent by the end of 2013, decreasing to the lowest at 45.4 percent in 2016 and then increasing to 55.3 percent by 2022. The equity ratio decreases as a result of debt issuances in 2014 and 2016, as shown in Figure 2-6.

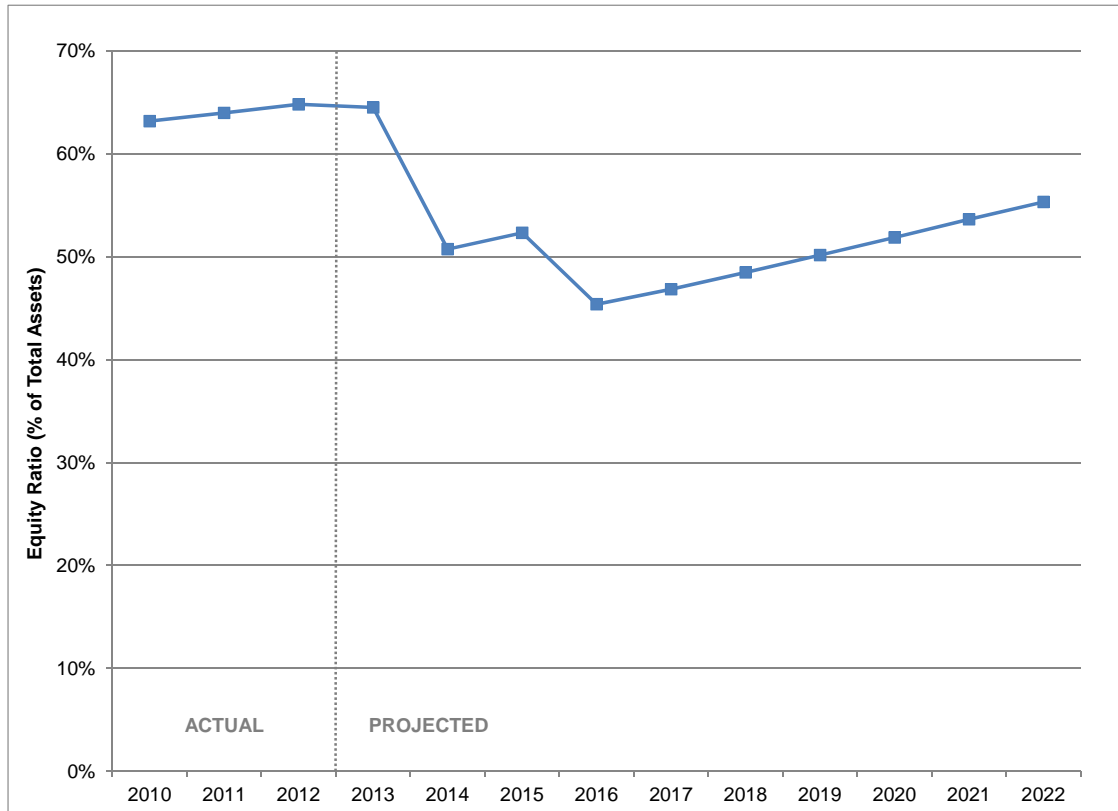


Figure 2-6: Equity Ratio (Percent of Total Assets)

The District’s working capital reserves, expressed as days of operating and maintenance expenditures, are shown in Figure 2-7. Working capital reserves declined in 2012 below the 60-day target and are projected to continue to be below this level until 2014. These results indicate that given declining wholesale sales revenues, the District’s existing retail rate revenues are not sufficient to sustain adequate working capital reserves. By increasing retail rates to a more sustainable level, working capital reserves are projected to increase after 2014 and are near or above the target levels through 2022.

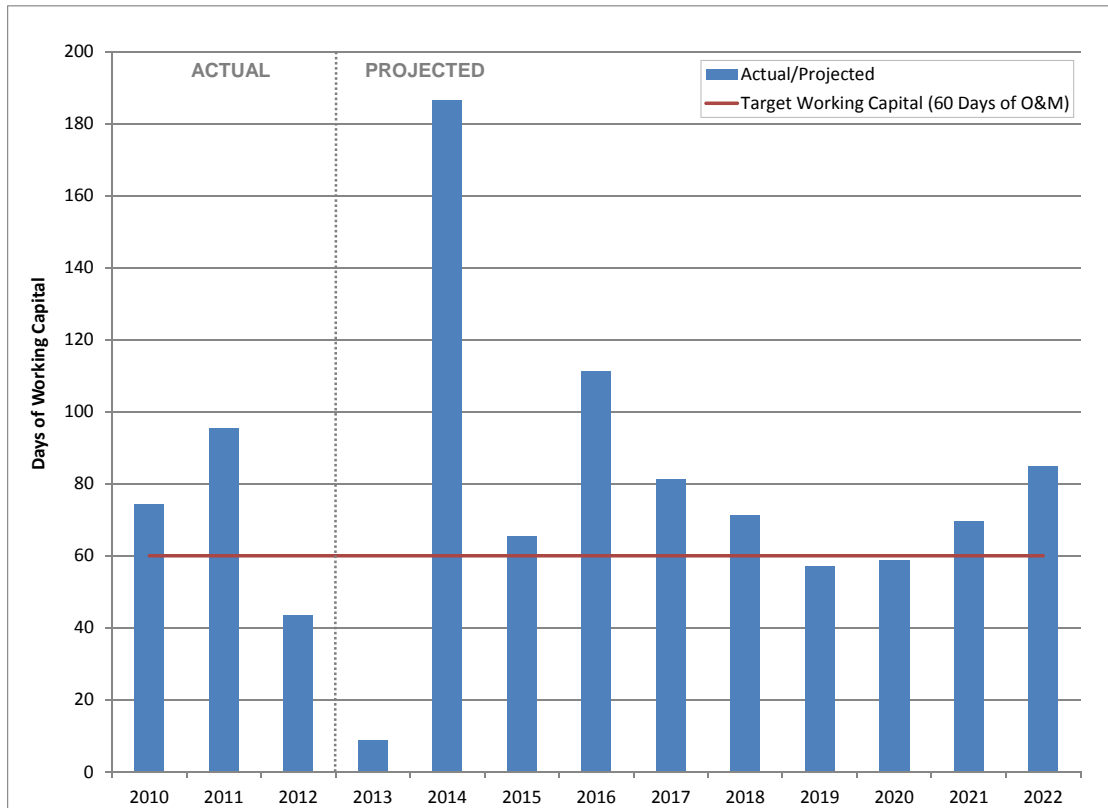


Figure 2-7: Working Capital Reserves (Days of O&M Expenditures)

The District’s average retail rate revenues (presented on a nominal per kWh basis) are projected in 2022 to be approximately 9.97 cents per kWh as shown in Figure 2-8. This is an annual average rate of increase of 5.0 percent over the study period from an estimated average of 6.13 cents per kWh in 2012.

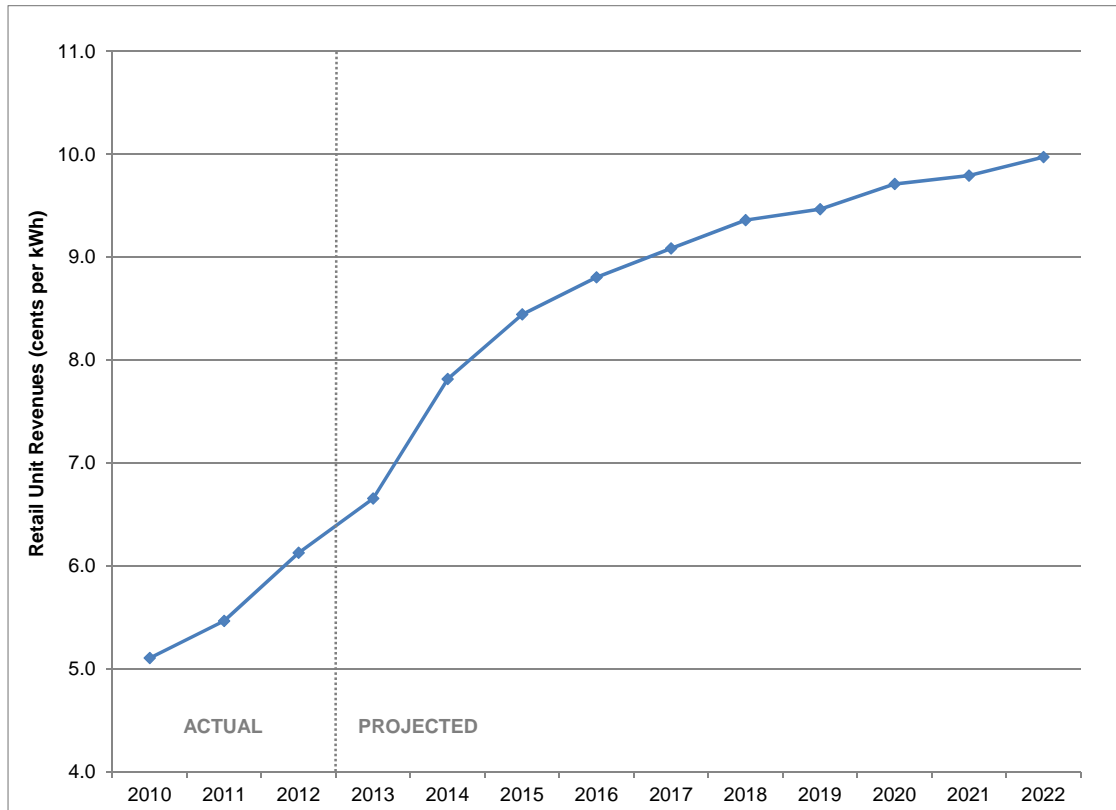


Figure 2-8: Average Unit Revenues (cents per kWh)

Alternative Cost Reduction EMP Scenarios

Given that the Base Case EMP results indicated a need for two significant rate increases during calendar years 2013 and 2014, SAIC and NewGen staff worked with District management to identify certain cost reduction options that could be reviewed with the EMP model to analyze the impact of these cost reductions on the District's projected financial results. As a result, numerous alternative scenarios were evaluated, but these were narrowed down to three alternative EMP scenarios as follows:

- **Scenario 1 – Reducing Capital Improvement Expenditures:** Under this scenario, the projected capital improvement expenditures were reduced by 30 percent from \$102.4 million during the 10-year study period to \$68.6 million during the study period. The projected debt issuance in 2016 would decrease from \$29 million to \$7 million. This reduction in capital improvement expenditures results in a lower projected interest and depreciation expenses during the study period.
- **Scenario 2 – Reduction in Operating and Maintenance Expenses and \$2.9 million in Capitalized Labor:** Operating and maintenance expenses were projected in this scenario using 2012 actuals as the base year and escalating this level of expenses by 3 percent annually for inflation rather than using the 2013 budgeted expenses as the base year for projections and escalating these expenses by a 2.2 percent annual inflation rate. The difference in the inflation rate is

attributed to the utility’s cost for one-time studies and other miscellaneous expenses that occur from time to time that are not captured in the 2012 actual base year. The scenario also included \$2.9 million that was reclassified as capitalized labor in 2013 and every year thereafter. This reduces the operating and maintenance expenses by approximately \$3.0 million per year starting in 2013, but increases the amount of debt the District would need. The debt issuance in 2016 would need to be increased from \$29 million to \$34 million and additional debt issuances in 2015, 2018 and 2020 totaling \$25.5 million would be needed.

- **Scenario 3 – Combination of both cost reduction Scenarios 1 and 2:** The results of these three cost reduction EMP scenarios with respect to the District’s projected average retail rate levels are shown in Figure 2-9. Given that the difference between these scenarios is less than 1 cent per kWh during the study period, it was determined that the District should proceed with the Base Case EMP for purposes of evaluating rate increase options.

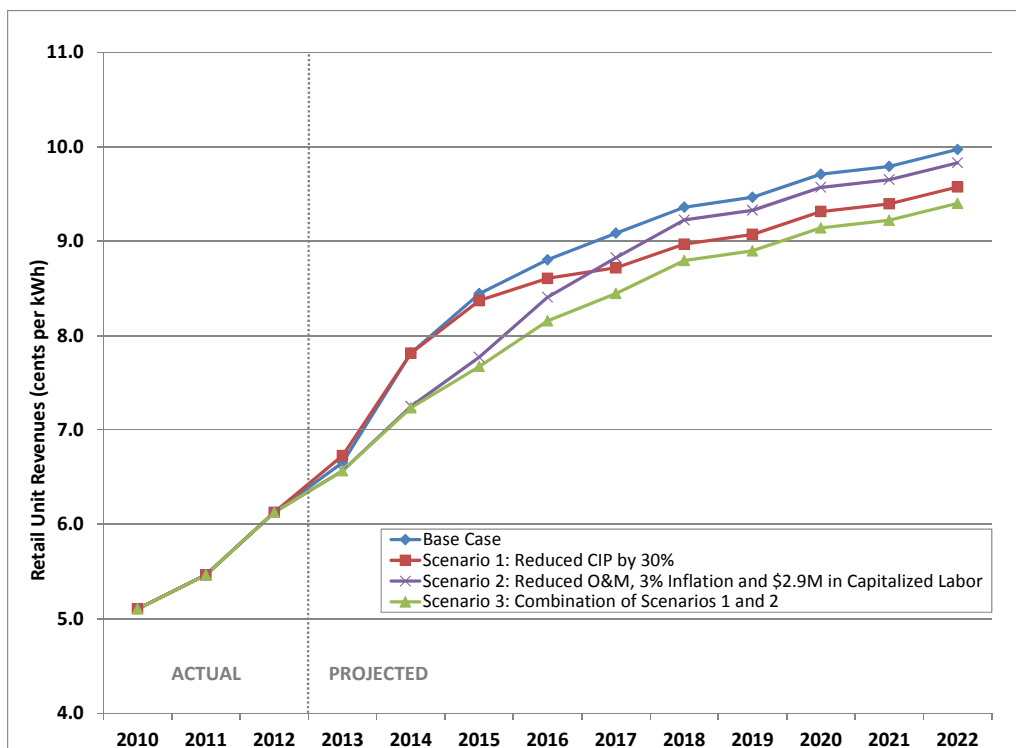


Figure 2-9: Average Unit Revenues for Base Case and Alternative Scenarios (cents per kWh)

EMP Rate Alternative Options 1 and 2

As discussed previously, two alternative rate change options were reviewed in the EMP model to help the District review alternative rate increases that achieve generally similar financial targets to those shown in the Base Case EMP results, but differ on how the rate changes would be implemented in the next three to five year period. All other financial and operational assumptions in the Base Case EMP analysis were assumed for these two rate alternative EMP scenarios.

The resultant rate changes assumed in EMP Rate Alternative Options 1 and 2 are as follows:

- **Rate Alternative Option 1 – Two 16 percent rate increases in both 2013 and 2014:** Option 1 was developed to determine the level of rate increases needed if the District only had two rate increases during the first three years of the study period rather than increases over longer period of time. Some benefits to implementing higher rate increases in a shorter period of time include a reduced amount of use of rate stabilization funds needed for the District to meet its 1.25 debt service coverage requirement in 2013 and a reduction in the debt issuance in 2016. This option would require approximately \$2.2 million of the rate stabilization in 2013 rather than the \$2.6 million under the Base Case EMP and a debt issuance of \$29 million in 2016 would be decreased to \$24 million. It was determined, however, that implementing rate increases at this level would result in a significant financial impact on customers.
- **Rate Alternative Option 2 – Three 9.5 percent rate increases in 2013 through 2015 and 2 percent rate increases in 2016 and 2017:** Option 2 was developed to meet a goal of keeping the first three annual rate increases each below 10 percent. This option relies on a much greater allocation of the rate stabilization fund in the first two years of the study period, with \$2.9 million in 2013 and \$1.1 million in 2014 needed for the District to meet the 1.25 debt service coverage requirements in these years. Between 2015 and 2016, the rate stabilization fund would be replenished to a \$3 million level. A slight increase in the debt issuance in 2016 from \$29 million to \$30 million would be required, and the District would not achieve a positive net income until 2015. This scenario provides customers with more moderate and gradual level of rate changes when compared with either the Base Case or Option 1 results.

Summaries of key financial indicators for these two alternative options are presented in Table 2-4 and Table 2-5. Detailed results are presented in Appendices B and C.

Since Option 2 provides a more moderate and gradual level of rate changes, it was selected by the District's Board as the basis for determining the rate design options discussed later in this report. As shown in Table 2-5, the assumed rate adjustments needed in Option 2 maintain a DSC ratio level above target levels beginning in 2015 and throughout the remainder of the study period. The equity ratio also is maintained at a favorable 54.6 percent level by 2022. Days of working capital are mostly above the 60 day target with the exception of 2015 at 49 days, 2019 at 51 days and 2020 at 53 days.

Table 2-4
Okanogan County PUD
Summary of Results
EMP Rate Alternative Option 1

SUMMARY OF RESULTS	Historical			Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Unit Revenue from Retail Sales (¢/kWh)	5.10	5.46	6.13	6.72	8.16	8.84	9.01	9.09	9.25	9.36	9.60	9.69	9.87
Increase over Previous Year	6.4%	7.0%	12.1%	9.8%	21.3%	8.4%	1.8%	0.9%	1.8%	1.1%	2.6%	0.9%	1.9%
Necessary Retail Rate Change (1)	0.0%	0.0%	0.0%	16.0%	16.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Equity to Total Assets	63.2%	64.0%	64.8%	64.6%	51.5%	53.8%	48.4%	49.9%	51.4%	52.9%	54.5%	56.1%	57.6%
Cash (Year End) (\$000)	\$7,619	\$9,782	\$4,416	\$1,031	\$24,799	\$12,574	\$15,217	\$12,223	\$10,940	\$8,901	\$9,220	\$10,758	\$13,214
Days of Working Capital on Hand	74	95	43	9	203	101	118	91	79	63	62	71	85
Debt Service Coverage Ratio (DSCR)	0.77	1.36	1.47	1.25	1.77	2.47	2.02	1.77	1.78	1.78	1.78	1.79	1.97
Operating TIER	(4.99)	(0.10)	(0.75)	(1.94)	0.97	1.99	1.38	1.05	1.00	0.97	0.92	0.90	0.88
Total TIER	(2.11)	0.46	0.96	0.29	1.63	2.69	1.91	1.61	1.59	1.60	1.59	1.62	1.68

Note: (1) Rate increases effective September 1, 2013 and July 1st for all other years.

Table 2-5
Okanogan County PUD
Summary of Results
EMP Rate Alternative Option 2

SUMMARY OF RESULTS	Historical			Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Unit Revenue from Retail Sales (¢/kWh)	5.10	5.46	6.13	6.59	7.53	8.27	8.88	9.12	9.38	9.48	9.73	9.81	9.99
Increase over Previous Year	6.4%	7.0%	12.1%	7.6%	14.1%	9.9%	7.4%	2.7%	2.8%	1.1%	2.6%	0.9%	1.8%
Necessary Retail Rate Change (1)	0.0%	0.0%	0.0%	9.5%	9.5%	9.5%	2.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Equity to Total Assets	63.2%	64.0%	64.8%	64.4%	50.1%	51.4%	44.4%	45.9%	47.6%	49.3%	51.0%	52.9%	54.6%
Cash (Year End) (\$000)	\$7,619	\$9,782	\$4,416	\$1,021	\$22,081	\$6,089	\$13,187	\$9,944	\$8,951	\$7,209	\$7,834	\$9,686	\$12,463
Days of Working Capital on Hand	74	95	43	9	181	49	103	74	65	51	53	64	80
Debt Service Coverage Ratio (DSCR)	0.77	1.36	1.47	1.25	1.25	1.75	1.74	1.69	1.77	1.77	1.77	1.78	1.95
Operating TIER	(4.99)	(0.10)	(0.75)	(2.35)	(0.19)	0.91	1.13	1.03	1.11	1.09	1.05	1.04	1.04
Total TIER	(2.11)	0.46	0.96	0.29	0.80	1.50	1.52	1.55	1.66	1.68	1.68	1.72	1.78

Note: (1) Rate increases effective September 1, 2013 and July 1st for all other years.

At a meeting held on July 30, 2013, the District's Board adopted Resolution No. 1567 authorizing a rate adjustment of a 9.5 percent revenue increase effective September 1, 2013 based on EMP Rate Alternative Option 2 in Table 2-5. A decision on future rate increases for 2014 and beyond was deferred until after the Board's next budget review process is completed.

Section 3

ELECTRIC SYSTEM RATE STUDY ANALYSIS

The District currently has seven major customer classes,¹ each with separate rates. The customer and rate classes are defined as follows:

- **Residential:** Service applicable to each individual customer/family residing in a single-family dwelling or multiple family building, and to a farm which processes only its own products.
- **Small General Service:** Electrical service to commercial, governmental, industrial, or other services not eligible under other rate schedules where measured demand is less than 50 kW at least ten months in the previous twelve-month period.
- **Large General Service:** Service to any individual customer for which another specific rate schedule is not available with a connected load of 50 kW or greater. The schedule is based on continuous use and minimums will be billed for twelve consecutive months.
- **Primary Industrial:** Service applicable to any load with measured monthly demand of at least 1,000 kW and not more than a 10,000 kW average annual increase.
- **Irrigation:** Applicable to service for irrigation or drainage and incidental farm use. The schedule is based on continuous service for the irrigation season of April 1 through October 31.
- **Frost Control:** Applicable to service to wind machines or pumps used only for frost protection.
- **Street Lighting:** Applicable to any publicly owned organization constituted by State law for lighting of streets, alleys and thoroughfares.

All of these customer classes have a monthly basic charge and one or more energy charges with either uniform or inclining block rate structures. The Small and Large General Service and Industrial classes also have demand charges applicable to certain customers in these customer classes. The District's current rates are summarized in Table 3-1.

¹ In addition to the seven customer classes listed, the District has additional rate schedules for New Single Large Loads (Service Schedule Number 5) and Area Lighting (Service Schedule Number 10).

Table 3-1
Okanogan County PUD
Existing Rates

	Rates	Units
Residential Service Rates		
Basic Charge	10.00	dollars per month
Energy Charge (1)		
First 2,000 kWh	5.750	cents per kWh
Over 2,000 kWh	6.316	cents per kWh
Minimum Energy Charge (2)	25.00	dollars per month, includes the first 500 kWh
Cost of Power Adjustment Charge (3)	0.240	cents per kWh
Small General Service Rates		
Basic Charge	12.00	dollars per month
Energy Charge (1)	5.855	cents per kWh
Minimum Energy Charge	25.00	dollars per month, includes the first 500 kWh
Demand Charge	5.00	dollars per all kW, when kW is equal to or exceeds 50
Cost of Power Adjustment Charge (3)	0.240	cents per kWh
Large General Service Rates		
Basic Charge	12.00	dollars per month
Energy Charge	4.150	cents per kWh
Demand Charge	5.00	dollars per all kW above 50 kW
Minimum Demand Charge	250.00	dollars per month, includes first 50 kW
Cost of Power Adjustment Charge (3)	0.240	cents per kWh
Industrial Service Rates		
Basic Charge	75.00	dollars
Energy Charge	3.631	cents per kWh
Demand Charge	5.50	dollars per all kW above 1,000 kW per month
Minimum Demand Charge	5,500.00	dollars per month, includes the first 1,000 kW
Cost of Power Adjustment Charge (3)	0.240	cents per kWh
Irrigation Service Rates		
Basic Charge	12.00	dollars
Seasonal Energy Charge	3.720	cents per kWh
Inter-Seasonal Energy Charge	5.855	cents per kWh
Demand Charge	3.00	dollars per kW
Cost of Power Adjustment Charge (3)	0.240	cents per kWh
Frost Control Service Rates		
Facilities Charge	4.50	dollars per HP per year
Energy Charge	2.874	cents per kWh
Cost of Power Adjustment Charge (3)	0.240	cents per kWh
Street Lighting Service Rates		
175W MVP or 100W HPS	6.40	dollars per month
400W MVP or 200W HPS	9.80	dollars per month

(1) Charged on all energy in excess of the kWh in the minimum energy charge.

(2) No minimum energy charge will be assessed on a meter if the sole purpose of that meter is to measure the energy consumption of a well pump providing domestic water to a single family residence (WAC 173-505-090).

(3) Effective December 1, 2011.

Objectives

The District identified the following objectives for the 2013 Rate Study:

- Provide the District's staff and Board of Commissioners with updated electric system cost-of-service information for a TY 2013 study period.
- Use the TY 2013 cost-of-service information and final 2013 EMP results to identify one or more sets of rate changes the District could implement for its existing customer classes for the District's review and consideration.
- Develop final rate design for the TY 2013 through 2015 for the District's review and consideration.

The Rate Review Process

The results of the 2013 EMP analysis (discussed in Section 2) show that the District will need additional revenue and rate increases during the 2013 to 2015 time period, and possibly beyond. The projected TY 2013 revenue requirements and cost-of-service analysis presented later in this report reflects the 12.5 percent retail rate increase projected for 2013 in the Base Case EMP.

Using the TY 2013 cost-of-service analysis, a number of alternative rate design options were developed and presented to the District for review and consideration. It was decided that the first year of proposed rates would become effective on September 1, 2013 to give the District and the District's Board sufficient time to evaluate and decide on a course of action given the level of rate increases projected. For all other projected years, proposed rates would become effective July 1st of each year.² The alternative rate design options were presented in a series of public meetings conducted at several locations in the District during July 2013.

Based on input received at the meetings, the District's Board adopted Resolution No. 1567 authorizing the September 1, 2013 rates developed in this study at a meeting held on July 30, 2013. In addition, the Board approved as part of Resolution No. 1567 the implementation of automatic cost of power adjustments to reflect any significant increase or decrease in the cost of power from contracted power sources within 30 days of the District incurring such increase or decrease, unless suspended by a Resolution of the Board of Commissioners. A copy of this resolution is provided in Appendix J of this report.

² Irrigation customer class rates will be effective on April 1st for each year to correspond with the growing season. The Frost Control customer class rates will be effective on June 1st for each year to correspond with the annual billing cycle.

Revenue Requirements Analysis

Overview

The District's revenue requirements for this rate study were based on information from the District's 2013 Base Case EMP as discussed in Section 2. Revenue requirements consist of the sum of the electric system's operating costs plus an amount associated with meeting the electric system's debt and capital funding needs for a test year period.

The projected test year (TY) 2013 revenue requirements results used in this study were developed starting with the 2013 budget adopted by the District's Board on December 21, 2012. Detailed tables showing the TY 2013 revenue requirements analysis used in this study are provided in Appendix D.

Revenue Requirements

Table 3-2 provides a summary of the District's projected operating results for 2013, the pro forma adjustments, and the adjusted TY 2013 revenue requirements. The DSC and TIER levels shown are consistent with the financial targets established by District staff as part of the 2013 EMP study. The adjusted TY 2013 revenue requirements show the need for an increase in the District's total revenues of 12.5 percent on an annual basis, which equates to a 10.4 percent increase in retail rate revenues over a 10-month period from September 1, 2013 to June 30, 2014. The adjusted TY 2013 revenue requirements were used as the basis for the cost-of-service analysis presented later in this section.

Table 3-2
Okanogan County PUD
Summary of Test Year 2013 Revenue Requirements

Description	Projected Test Year 2013	Pro forma Adjustments (1)	Adjusted Test Year 2013 (2)
Total Revenues From Sales of Electricity	\$40,190,912	\$3,749,759	\$43,940,671
Other Electric Revenues	727,000	-	727,000
Total Revenues	\$40,917,912	\$3,749,759	\$44,667,671
Operating Expenses	\$46,427,249	\$0	\$46,427,249
Other Expenses	1,959,636	-	1,959,636
Total Operating Cost of Service	\$48,386,885	\$0	\$48,386,885
Margins or Increase in Net Assets	(2,798,973)	3,749,759	950,786
Operating Revenue Requirements	\$45,587,912	\$3,749,759	\$49,337,671
Total Non-Operating Revenues	\$4,670,000	\$0	\$4,670,000
Total Revenue Requirements	\$45,587,912	\$3,749,759	\$49,337,671
Less Interest Income	(991,000)	-	(991,000)
Less Contributions in Aid of Construction	(1,104,000)	-	(1,104,000)
Less Use of Rate Stabilization Funds	(2,575,000)	-	(2,575,000)
Less Other Revenues	(727,000)	-	(727,000)
Less Wholesale Revenues	(2,640,925)	-	(2,640,925)
Revenue Requirements from Rates	\$37,549,988	\$3,749,759	\$41,299,746
Revenue Increase (Decrease)	-		\$3,749,759
Percent Change	-		10.4%
Debt Service Coverage Ratio (DSC)	0.83		1.91
TIER (Operating)	(2.94)		(0.94)
TIER (Total)	(0.49)		1.51

(1) Assumes retail revenue increase equal to 12.5% effective for a 10-month period.

(2) The rate stabilization funds are used to meet the minimum 1.25 debt service coverage requirement. Financial metrics in the adjusted TY 2013 column reflect a rate increase for a 10-month period.

Cost-of-Service Analysis

Overview

A cost-of-service analysis for the District's TY 2013 revenue requirements was prepared based on the general framework developed in the January 1992 "NARUC Electric Utility Cost Allocation Manual" (NARUC Manual). The results of the cost-of-service analysis are summarized in this section.

Methodology

The process of developing a cost-of-service analysis for the District included the functionalization, classification and allocation of the District's TY 2013 revenue requirements in collaboration with District staff. For functionalization, the revenue requirements were organized by function including production, transmission and distribution cost categories. Administrative and general costs were primarily functionalized based on labor ratios and plant ratios. Each of the functionalized revenue requirement items was classified into demand, energy or customer

components. The classified revenue requirements were then allocated to each customer class based on appropriate allocation factors developed for each class. Estimated revenues at existing rates for each rate class were compared to the cost-of-service results to determine both the need for rate changes and the reasonableness of proposed rate options. Unit demand, energy and customer costs were also developed and utilized in the evaluation of alternative rate design options.

Functionalization and Classification

Table 3-3 provides a summary of the functionalization and classification of the test year revenue requirements. Classifications of costs were generally performed using the methodologies set forth in the NARUC Manual. The detailed results of these analyses are provided in Appendices E and F.

Table 3-3
Okanogan County PUD
Summary of Functionalization and Classification of Revenue Requirements
(Adjusted Test Year 2013)

Description	Demand	Energy	Customer	Total
Production	\$8,283,939	\$17,017,158	\$0	\$25,301,097
Transmission	430,323	0	0	430,323
Distribution	9,647,332	0	8,561,918	18,209,251
Total Cost of Service	\$18,361,594	\$17,017,158	\$8,561,918	\$43,940,671

Allocation

After functionalized costs were classified into detailed cost components, an allocation was made of these costs to the District's customer classes. Three basic methods of allocating demand costs to classes of service discussed in the NARUC Manual are: (a) the peak responsibility (coincident peak) method, (b) the non-coincident peak method, and (c) the average and excess demand method. Under the peak responsibility method, system demand costs are allocated among classes in proportion to each class's load at the time of the system peak. Under the non-coincident peak method, system demand costs are allocated to classes in proportion to class maximum loads, regardless of time of occurrence. The average and excess demand method allocates costs to rate classes using a factor that combines the classes' average demands and non-coincident peak demands. Variations of these methods are also commonly used. In this study, both the peak responsibility and the average and excess methods were evaluated.

The main allocation factors developed for this analysis are described below:

Allocation Factor	Description
4 CP	The 4 coincident peak allocator represents each class's contribution to the system peak during the 4 peak months of the year, based on 2013 load research analysis results.
12 NCP	The 12 non-coincident peak allocator relates the peak demand for each customer class, not necessarily coincident with the system peak, to the sum of peak demands for all classes during the each month of the year, based on 2013 load research analysis results.
Average and Excess	The average and excess allocator combines the class's average demands and non-coincident peak demands, based on 2013 load research analysis results.
Energy	The energy allocator represents each class's share of annual energy sold, excluding sales for resale.
Customer Allocator	The customer allocator relates the number of customers within each class to the total number of District customers served.
Weighted Customer Allocators	The weighted customer allocators adjust the customer allocator by the relative service level required for each customer class. The three weighted customer allocators are for the cost of meters, meter reading and customer service.
Other Allocators	Other allocators were developed based on intermediate results of the cost-of-service analysis.

In the peak responsibility method, demand-related generation and transmission costs were allocated using the 4 CP allocator. In the average and excess method, these costs were allocated using the average and excess allocator, which combines the class's average demands and non-coincident peak demands. In both analyses, energy-related production costs were allocated on a per-kilowatt hour basis, demand-related distribution costs were allocated based on 12 NCP allocators, and customer-related costs were assigned to classes of service based on either the customer allocator or one of several weighted customer allocation factors. Line transformer and service drop costs were not allocated to the industrial class because they are served at a primary voltage service level.

The demand, energy and customer allocation factors used in this study are presented in Appendix G. The estimated cost of service for each of the District's main customer classes using both the peak responsibility method and the average and excess method is summarized in Table 3-4.

Table 3-4
Okanogan County PUD
Allocated Cost of Service by Customer Class
(Adjusted Test Year 2013)

	Demand	Energy	Customer	Total
Average and Excess Method				
Residential	\$9,877,118	\$8,565,721	\$6,869,366	\$25,312,205
Small General Service	1,643,670	1,581,490	989,738	4,214,898
Large General Service	4,218,554	4,405,518	164,618	8,788,689
Industrial	326,459	534,377	1,788	862,624
Irrigation	2,152,451	1,880,188	410,126	4,442,765
Frost Control	111,409	10,397	6,935	128,742
Street Lights	31,933	39,468	119,347	190,748
Total	\$18,361,594	\$17,017,158	\$8,561,918	\$43,940,671
Peak Responsibility Method				
Residential	\$10,888,515	\$8,565,721	\$6,869,366	\$26,323,602
Small General Service	1,661,170	1,581,490	989,738	4,232,398
Large General Service	4,513,710	4,405,518	164,618	9,083,846
Industrial	331,696	534,377	1,788	867,861
Irrigation	904,717	1,880,188	410,126	3,195,031
Frost Control	28,682	10,397	6,935	46,015
Street Lights	33,104	39,468	119,347	191,919
Total	\$18,361,594	\$17,017,158	\$8,561,918	\$43,940,671

Cost-of-Service Analysis Results

In Table 3-5, the cost-of-service results are compared to revenues from existing rates by customer class. The revenues under existing rates are shown in the first column, and the second column provides the allocated costs of service for each customer class. The third column summarizes the amount that revenues from existing rates over or under recover the allocated cost of service. The last column shows the percentage that revenues from current rates would need to be reduced or increased if rates were to be adjusted to reflect cost-of-service levels for each class.

Table 3-5
Okanogan County PUD
Summary of Cost-of-Service Results
(Adjusted Test Year 2013)

Average and Excess Method

Customer Class	Adjusted Revenue Under Existing Base Rates	Allocated Cost of Service (1)	Over (Under) Cost of Service	Percent Change in Revenue
Residential	\$19,311,279	\$23,007,708	(\$3,696,429)	19.1%
Small General Service	3,605,173	3,816,975	(211,803)	5.9%
Large General Service	8,755,922	7,857,665	898,257	-10.3%
Industrial	1,036,906	761,919	274,986	-26.5%
Irrigation	3,087,505	4,003,837	(916,332)	29.7%
Frost Control	65,507	120,054	(54,547)	83.3%
Street Lights	135,393	179,283	(43,891)	32.4%
Total	\$35,997,683	\$39,747,442	(\$3,749,759)	10.4%

Peak Responsibility Method

Customer Class	Adjusted Revenue Under Existing Base Rates	Allocated Cost of Service (1)	Over (Under) Cost of Service	Percent Change in Revenue
Residential	\$19,311,279	\$23,958,318	(\$4,647,039)	24.1%
Small General Service	3,605,173	3,833,423	(228,250)	6.3%
Large General Service	8,755,922	8,135,083	620,839	-7.1%
Industrial	1,036,906	766,842	270,064	-26.0%
Irrigation	3,087,505	2,831,094	256,411	-8.3%
Frost Control	65,507	42,298	23,209	-35.4%
Street Lights	135,393	180,384	(44,991)	33.2%
Total	\$35,997,683	\$39,747,442	(\$3,749,759)	10.4%

(1) Allocated cost of service includes allocation of wholesale revenues of \$2.6 million and cost of power adjustment revenues of \$1.6 million, which are allocated to each customer class. Reflects retail revenue increase equal to 12.5% effective for a 10-month period as shown in the Base Case EMP.

Rate Design

Overview

The purpose of the rate design analysis was to identify an equitable rate structure for the District that will adequately recover the test year revenue requirements of the electric system while meeting the policy objectives of the utility. Additionally, the District elected to establish implementation dates for the proposed rates developed in this study to be effective on September 1, 2013 and July 1 of 2014 and 2015.³ Although the rate design modifications were in part based on the results of the cost-of-service analysis, other District policy factors were also considered in designing rates.

³ Irrigation customer class rates will be effective on April 1st for each year to correspond with the growing season. The Frost Control customer class will be effective on June 1st for each year to correspond with the annual billing cycle.

Policy and Rate Design Guidelines

As described previously, the District's Board and management met several times to discuss various policy issues related to the study. The following paragraphs provide a summary of the basic policy and rate design guidelines that were developed in consultation with the District's Board and management and were used to develop the proposed rate adjustments.

- Financial Integrity:** Rates must preserve the District's financial integrity to allow for future capital investments and to meet the financial targets of the utility.
- Cost-of Service Based:** Rate should generally reflect and be consistent with the cost of providing electric service to each customer class.
- Rate Stability:** Rate adjustments should, to the extent possible, promote stable rates for customers and avoid large changes in rates.
- Simplification:** The rate structure should be simple and easily understood by customers.
- Equity:** The rates should be equitable and, to the extent practicable, reflect the cost to provide service.
- Reliability of Service:** The District's rates should provide adequate funding to support the District to continue to provide reliable service to its customers.
- Efficiency/Conservation:** The rate structure should help encourage conservation and the efficient use of electricity.

Rate Development

In the development of the rate design options considered by the District, the existing rates and rate structures for the District's various customer classes were reviewed and modified to better meet the District's policies, with higher priority paid to rate design options that provide more stable revenue recovery, more closely reflects fixed cost recovery, and simpler and easier to understand rates for the District's customers. Specific changes in the District's rate design included in the rate options were the following:

- **Greater Fixed Cost Recovery:** For all customer classes, the fixed basic charges and/or the demand charges were proposed to be increased to help the District better its recover fixed costs.
- **Minimum Energy Charge:** For the Residential and Small General Service customer classes, the minimum energy charge was proposed to be combined with the basic charge each month to help the District move towards more fixed cost recovery. The 500 kilowatt-hour minimum energy charge allowance for both customer classes was proposed to be phased out or eliminated.

- **Frost Control Customer Class:** The existing rates for the Frost Control customer class with a facilities charge based on a per-horsepower estimate was proposed to be replaced with a demand charge.

Proposed Rate Options

Multiple rate options were developed for review and input from the Board and the customer review panel based on the EMP Option 2 with 9.5 percent rate increases annually each year from 2013 through 2015. The rate design was narrowed down to two rate proposal options as follows:

- **Rate Design Option 1:** The minimum energy charge allowance for Residential and Small General Service customer classes would be eliminated in 2013. Rates for all customer classes would be adjusted to include a 9.5 percent rate increase in 2013, 2014 and 2015.
- **Rate Design Option 2:** Two-year phase out of the minimum energy charge allowance for Residential and Small General Service. Other adjustments in this option included no change in energy charges for Residential customers for 2013 through 2015, no change in the energy charge for Small General Service for 2013 through 2014, and rates for all other customer classes adjusted to collect a 9.5 percent rate revenue increase in 2013 through 2015

Table 3-6 summarizes the existing and proposed rates for each customer class under Rate Design Option 1, and the detailed rate design analysis for this option is provided in Appendix H.

Section 3

Table 3-6
Okanogan County PUD
Rate Design Option 1 - Existing and Proposed Rates

Schedule No. 2 - Residential	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$10.00	\$28.07	\$35.00	\$40.00	\$45.00
Energy Charge (\$/kWh)					
< 2,000 kWh	\$0.05750	\$0.05993	\$0.04350	\$0.04657	\$0.05023
> 2,000 kWh	\$0.06316	\$0.05993	\$0.06316	\$0.06762	\$0.07293
Minimum Charge (\$/month)	n/a	\$79.80	n/a	n/a	n/a
Minimum Energy Charge (\$/month)	\$25.00	n/a	n/a	n/a	n/a
kWh in Basic Charge	500		n/a	n/a	n/a
Percent Change in Base Rate Revenue		17.4%	9.5%	9.5%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
(2) Set the basic charge to \$35 per month in 2013 and increased this to \$45 per month by 2015.

The energy charge is applied to all kilowatt-hours in 2013 and beyond. No change in the energy charge for usage above 2,000 kilowatt-hours in 2013. Decreased the energy charge applied to the first 2,000 kilowatt-hours in 2013 to offset the bill impacts from eliminating the minimum energy allowance (first 500 kilowatt-hours). Adjusted the energy charge as necessary to collect sufficient revenues for all other years. The energy charge for usage above 2,000 kilowatt-hours in 2014 and on is adjusted to maintain the same rate ratio between the lower and higher usage blocks.

Schedule No. 3 - Small General Service	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$12.00	\$32.73	\$40.00	\$45.00	\$50.00
Energy Charge (\$/kWh)	\$0.05855	\$0.05684	\$0.05308	\$0.05757	\$0.06272
Demand Charge (\$/kW/month equals or exceed 50 kW)	\$5.00	n/a	\$5.50	\$6.00	\$6.50
Minimum Charge (\$/month)	n/a	\$102.10	n/a	n/a	n/a
Minimum Energy Charge (\$/month)	\$25.00	n/a	n/a	n/a	n/a
kWh in Minimum Energy Charge	500	n/a	n/a	n/a	n/a
Percent Change in Base Rate Revenue		5.0%	9.5%	9.5%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
(2) Set the basic charge to \$40 per in 2013 and increased this to \$50 per month by 2015.
Energy charge applied to all kilowatt-hours in 2013 and beyond. Adjusted the energy charge as necessary to collect sufficient revenues. Demand charge increases \$0.50 per kilowatt each year until 2015.

ELECTRIC SYSTEM RATE STUDY ANALYSIS

Table 3-6 (Continued)

Schedule No. 3 - Large General Service	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (3)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$12.00	\$41.62	\$20.00	\$30.00	\$40.00
Energy Charge (\$/kWh)	\$0.04150	\$0.02542	\$0.04521	\$0.04940	\$0.05416
Demand Charge (\$/kW/month above 50 kW)	\$5.00	n/a	\$5.50	\$6.00	\$6.50
Demand Charge (\$/all kW/month)	n/a	\$9.83	n/a	n/a	n/a
Minimum Charge (\$/month)	n/a	\$1,407	n/a	n/a	n/a
Minimum Demand Charge (\$/month)	\$250.00	n/a	\$275.00	\$300.00	\$325.00
kW in Minimum Demand Charge	50	n/a	50	50	50
Power Factor Charge (2)	97.0%		97.0%	97.0%	97.0%
Percent Change in Base Rate Revenue		-6.8%	9.5%	9.5%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) For every percentage a customer's power factor is below 97 percent, the demand charge will increase 1.0 percent.
- (3) Set the basic charge to \$20 per month in 2013 and increased to \$40 per month by 2015.
Adjusted the energy charge as necessary to collect sufficient revenues.
Demand charge increases \$0.50 per kilowatt each year until 2015.

Schedule No. 4 - Primary Industrial Service	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (3)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$75.00	\$41.86	\$80.00	\$90.00	\$100.00
Energy Charge (\$/kWh)	\$0.03631	\$0.02612	\$0.03631	\$0.03846	\$0.04124
Demand Charge (\$/billed kW/month)	\$5.50	\$5.84	\$7.00	\$8.00	\$9.00
Minimum Charge (\$/month)	n/a	\$9,911	n/a	n/a	n/a
Minimum Demand Charge (\$/month)	\$5,500	n/a	\$7,000	\$8,000	\$9,000
kW in Minimum Demand Charge	1,000	n/a	1,000	1,000	1,000
Power Factor Charge (2)	97.0%		97.0%	97.0%	97.0%
Percent Change in Base Rate Revenue		-23.9%	9.6%	9.4%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) For every percentage a customer's power factor is below 97 percent, the demand charge will increase 1.0 percent.
- (3) Set the basic charge to \$80 per month in 2013 and increased to \$100 per month by 2015.
Adjusted the energy charge as necessary to collect sufficient revenues.
Demand charge increases \$1.50 per kilowatt in 2013 and \$1.00 per kilowatt each year until 2015.

Section 3

Table 3-6 (Continued)

Schedule No. 6 - Irrigation	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (3)		
			April 2013	April 2014	April 2015
<u>Base Rates (2)</u>					
Basic Charge (\$/month)	\$12.00	\$41.34	\$12.00	\$15.00	\$20.00
Demand Charge (\$/billed kW/month)	\$3.00	\$11.76	\$3.00	\$4.00	\$5.00
Seasonal Energy Charge	\$0.03720	\$0.02485	\$0.03720	\$0.04338	\$0.04529
Inter-Seasonal Energy Charge	\$0.05855	\$0.02485	\$0.05855	\$0.06828	\$0.07128
Minimum Charge (\$/month)	n/a	\$312	n/a	n/a	n/a
Percent Change in Base Rate Revenue		31.5%	0.0%	19.9%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Rate schedule is based on continuous service for the irrigation season of April 1 through October 31.
- (3) Set the basic charge to \$15 per month in 2014 and increased to \$20 per month by 2015.

Adjusted the energy charge as necessary to collect sufficient revenues.

The inter-seasonal energy charge is adjusted to maintain the same rate ratio between the seasonal and inter-seasonal energy charges for 2014 and on. Demand charge increases \$1.00 per kilowatt each year through 2015.

Schedule No. 7 - Frost Control	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (3)		
			June 2013	June 2014	June 2015
<u>Base Rates (2)</u>					
Basic Charge (\$/year)	n/a	\$42.00	n/a	\$120.00	\$135.00
Demand Charge (\$/billed kW)	n/a	\$11.31	n/a	\$4.50	\$5.00
Annual Facilities Charge (\$/horsepower)	\$4.50	\$9.82	\$4.50	n/a	n/a
Energy Charge (\$/kWh)	\$0.02874	\$0.00707	\$0.02874	\$0.02874	\$0.03160
Minimum Charge (\$/month)	n/a	\$860	n/a	n/a	n/a
Percent Change in Base Rate Revenue		86.3%	0.0%	11.0%	11.3%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Customers served under this customer class are billed annually in June.
- (3) Set the basic charge to \$120 per month in 2014 and increased to \$150 per month by 2015.

Adjusted the energy charge as necessary to collect sufficient revenues.

Demand charge increases \$0.50 per kilowatt each year in 2015.

Schedule No. 8 - Street Lighting	Existing Rates	TY 2013 Cost of Service	Proposed Rates		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Fixture Charge (\$/Fixture)					
8,000 Lumen (175 MVP or 100W HPS)	\$6.40	\$9.05	\$7.00	\$7.70	\$8.40
22,000 Lumen (400W MVP or 200W HPS)	\$9.80	\$9.05	\$10.70	\$11.80	\$12.90
Percent Change in Base Rate Revenue		23.3%	9.3%	10.2%	9.2%

Table 3-7 summarizes the existing and proposed rates under Rate Design Option 2, and the detailed rate design analysis is provided in Appendix I. Only the rates for the Residential and Small General Service customer classes differ from those in Rate Design Option 1. The rates shown in Rate Design Option 1 for all other customer classes remain the same under Rate Design Option 2.

**Table 3-7
Okanogan County PUD
Rate Design Option 2 - Existing and Proposed Rates**

Schedule No. 2 - Residential	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$10.00	\$28.07	\$35.00	\$35.00	\$40.00
Energy Charge (\$/kWh)					
< 2,000 kWh	\$0.05750	\$0.05993	\$0.05750	\$0.05750	\$0.05750
> 2,000 kWh	\$0.06316	\$0.05993	\$0.06316	\$0.06316	\$0.06316
Minimum Charge (\$/month)	n/a	\$79.80	n/a	n/a	n/a
Minimum Energy Charge (\$/month)	\$25.00	n/a	n/a	n/a	n/a
kWh in Basic Charge	500		250	0	n/a
Percent Change in Base Rate Revenue		17.4%	12.7%	12.5%	4.2%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Set the basic charge to \$35 per month in 2013 and is increased to \$40 per month by 2015.
Energy charge applied after the first 250 kilowatt-hours in 2013 and to all kilowatt-hours in 2014 and beyond.
No changes in the energy charge.

Schedule No. 3 - Small General Service	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$12.00	\$32.73	\$40.00	\$45.00	\$50.00
Energy Charge (\$/kWh)	\$0.05855	\$0.05684	\$0.05855	\$0.05855	\$0.06272
Demand Charge (\$/kW/month equals or exceed 50 kW)	\$5.00	n/a	\$5.50	\$6.00	\$6.50
Minimum Charge (\$/month)	n/a	\$102.10	n/a	n/a	n/a
Minimum Energy Charge (\$/month)	\$25.00	n/a	n/a	n/a	n/a
kWh in Minimum Energy Charge	500	n/a	250	0	n/a
Percent Change in Base Rate Revenue		5.0%	9.3%	11.0%	8.2%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Set the basic charge to \$40 per month in 2013 and increases to \$50 per month by 2015.
Energy charge applied after the first 250 kilowatt-hours in 2013 and to all kilowatt-hours in 2014 and beyond.
Adjusted the energy charge as necessary to collect sufficient revenues. Demand charge increases \$0.50 per kilowatt each year until 2015.

Section 3

The proposed rate options reflect the policies and rate design direction provided by the District's staff and Board.

At a Board meeting held on July 30, 2013, Resolution No. 1567 was adopted by the Board authorizing the rates effective September 1, 2013 under Rate Design Option 1 to become effective. A decision on any future rate changes was deferred at this meeting. Overall under Rate Design Option 1, the District's proposed base rates are expected to result in an overall annualized 9.5 percent revenue increase during 2013 from the revenues provided with current rates in 2012.

Table 3-8 summarizes the estimated revenues for TY 2013 under existing and the adopted rates for each customer class compared to the allocated cost of service for each class. In addition, the estimated change in TY 2013 revenues as compared to revenues under existing rates is summarized.

Table 3-8
Okanogan County PUD
Summary of Estimated Test Year 2013 Revenues
Based on Rate Design Option 1 - Adopted Rates

Customer Class	Adjusted Revenue Under Existing Rates	Allocated Cost of Service (1)	Percent Over (Under) Revenue at Existing Rates	Annual Revenue Under TY 2013 Adopted Rates (2)	Percent Over (Under) Revenue at Existing Rates
Residential	\$19,311,279	\$22,664,193	17.4%	\$21,147,004	9.5%
Small General Service	3,605,173	3,785,226	5.0%	3,947,659	9.5%
Large General Service	8,755,922	8,161,728	-6.8%	9,587,489	9.5%
Industrial	1,036,906	788,741	-23.9%	1,136,838	9.6%
Irrigation	3,087,505	4,058,656	31.5%	3,087,505	0.0%
Frost Control	65,507	122,023	86.3%	65,507	0.0%
Street Lights	135,393	166,874	23.3%	147,934	9.3%
Total	\$35,997,683	\$39,747,442	10.4%	\$39,119,934	8.7%

(1) Allocated cost of service includes allocation of wholesale revenues of \$2.6 million and cost of power adjustment revenues of \$1.6 million, which are allocated to each customer class. Reflects retail revenue increase equal to 12.5% effective for a 10-month period as shown in the Base Case EMP.

(2) Irrigation customer class rates will be effective on April 1, 2014 and the Frost Control customer class rates will be effective on March 1, 2014.

Section 4

SUMMARY AND CONCLUSIONS

Summary

As discussed previously, the 2013 EMP Option 2 was selected as representing the District's preferred financial course of action in achieving its financial goals. Key 2013 EMP conclusions are as follows:

- The District's equity level is strong and provides a good base upon which additional debt financing is possible.
- Existing retail rates are not sufficient to meet the District's current and projected operating costs, and this is reflected in net losses since 2010.
- The District's DSC and TIER levels will need to reach target levels during the first few years of the study period. In the EMP Option 2, the rate stabilization fund is used to show that the District can meet the 1.25 debt service coverage requirements in both 2013 and 2014.
- Unless the District's costs are reduced from those projected in the 2013 EMP analysis, the District faces a need for rate increases until 2015 as a result of:
 - Deferral of full rate increases recommended in the 2010 EMP.
 - Lower retail sales growth than projected in the 2010 EMP.
 - Decreasing wholesale revenues projected.
 - A need to achieve higher revenues to maintain adequate cash reserve levels.

The 2013 Rate Study included development of the detailed revenue requirements, cost-of-service and rate design analyses. Rate Design Option 1 for the September 1, 2013 rate change was selected by the Board as representing the District's preferred option for balancing customer impacts and collecting increased revenue necessary to maintain efficient and reliable service.

Conclusions

Key conclusions of the 2013 Rate Study are as follows:

- Proposed rates were developed that would be effective in September 2013 and in July 2014 and 2015.
- Proposed rate changes generally reflected across-the-board rate increases with the exception of the Residential and Small General Service customer classes where the minimum energy charge allowance is eliminated or phased out.
- Rates were designed to increase the District's fixed cost recovery.

- The District's Residential and Small General Service rates were simplified to make it easier for the District's customers to understand.
- For the Frost Control customer class, the facilities charge based on horsepower ratings was changed to a demand and basic charge.

On July 30, 2013, the Board approved as part of Resolution No. 1567 the following measures:

- Authorized a 9.5 percent base rate revenue increase effective September 1, 2013 as presented in the Option 2 EMP.
- Approved rate design adjustments representing an across-the-board 9.5 percent revenue increase effective September 1, 2013 as presented in Rate Design Option 1.
- A decision on future rate increases after September 1, 2013 was deferred for consideration until a later date.
- Implementation of automatic cost of power adjustments (COPA) to reflect significant increase or decrease in the cost of power from contracted power sources within 30 days of the District incurring such increase or decrease, unless suspended by a Resolution of the Board of Commissioners.

A copy of the Board Resolution is provided in Appendix J of this report.

Recent Update

On July 24, 2013, BPA announced its final rate changes to be effective beginning October 1, 2013. For the District, this means that the BPA power supply rates will increase by 9 percent and the BPA transmission rates will increase 11 percent for the District effective October 1, 2013. These increases will be recovered through the COPA charge and are generally consistent with the assumptions made in the 2013 EMP and 2013 Rate Study analyses, but no final adjustments were made to this study's results to reflect this more recent information.

Appendix A
EQUITY MANAGEMENT PLAN - BASE CASE

Okanogan County PUD

2013 Equity Management Plan Update - Base Case



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Okanogan County PUD
 2013 Equity Management Plan
 Summary of Results

Line	Historical			Projected										Avg. Annual Rate Change 2012 - 2022	
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
Scenario: Base Case															
1	Unit Revenue from Retail Sales (¢/kWh)	5.10	5.46	6.13	6.65	7.81	8.44	8.80	9.08	9.36	9.47	9.71	9.79	9.97	
2	Increase over Previous Year	6.4%	7.0%	12.1%	8.6%	17.4%	8.0%	4.3%	3.2%	3.0%	1.1%	2.6%	0.9%	1.8%	5.0%
3	Base Retail Rate Change (Effective July 1) (1)	0.0%	0.0%	0.0%	12.5%	12.5%	2.5%	2.5%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	
4	Equity to Total Assets	63.2%	64.0%	64.8%	64.5%	50.7%	52.3%	45.4%	46.8%	48.5%	50.2%	51.9%	53.6%	55.3%	
5	Cash (Year End) (\$000)	\$7,619	\$9,782	\$4,416	\$1,022	\$22,749	\$8,132	\$14,297	\$10,891	\$9,865	\$8,086	\$8,675	\$10,489	\$13,227	
6	Days of Working Capital on Hand	74	95	43	9	187	65	111	81	71	57	59	70	85	
7	Debt Service Coverage	0.77	1.36	1.47	1.25	1.38	2.01	1.76	1.67	1.77	1.78	1.77	1.78	1.96	
8	Operating TIER	(4.99)	(0.10)	(0.75)	(2.16)	0.34	1.23	1.03	0.99	1.09	1.08	1.03	1.02	1.02	
9	Total TIER	(2.11)	0.46	0.96	0.29	1.00	1.93	1.54	1.52	1.65	1.67	1.67	1.71	1.77	

Okanogan County PUD
 2013 Equity Management Plan
 Table 1 - Summary of Results and Assumptions

Scenario: Base Case

Line	Historical			Projected										Avg. Annual Rate Change 2012 - 2022
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
Line SUMMARY OF RESULTS														
1	Unit Revenue from Retail Sales (\$/kWh)	5.10	5.46	6.13	6.65	7.81	8.44	8.80	9.08	9.36	9.47	9.71	9.79	9.97
2	Increase over Previous Year	6.4%	7.0%	12.1%	8.6%	17.4%	8.0%	4.3%	3.2%	3.0%	1.1%	2.6%	0.9%	1.8%
3	Necessary Retail Rate Change (Effective July 1)	0.0%	0.0%	0.0%	12.5%	12.5%	2.5%	2.5%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%
4	Equity to Total Assets	63.2%	64.0%	64.8%	64.5%	50.7%	52.3%	45.4%	46.8%	48.5%	50.2%	51.9%	53.6%	55.3%
5	Cash (Year End) (\$000)	\$7,619	\$9,782	\$4,416	\$1,022	\$22,749	\$8,132	\$14,297	\$10,891	\$9,865	\$8,086	\$8,675	\$10,489	\$13,227
6	Days of Working Capital on Hand	74	95	43	9	187	65	111	81	71	57	59	70	85
7	Debt Service Coverage Ratio (DSCR)	0.77	1.36	1.47	1.25	1.38	2.01	1.76	1.67	1.77	1.78	1.77	1.78	1.96
8	Operating TIER	(4.99)	(0.10)	(0.75)	(2.16)	0.34	1.23	1.03	0.99	1.09	1.08	1.03	1.02	1.02
9	Total TIER	(2.11)	0.46	0.96	0.29	1.00	1.93	1.54	1.52	1.65	1.67	1.67	1.71	1.77
Line ASSUMPTIONS														
10	General Inflation (1)	2.20%												
11	Inflation for Other Operating Revenues (2)	1.50%												
12	Customer Service Inflation (2)	2.20%												
13	Power Supply and Costs - Scenario Selection	Base Case												
14	Borrowing Assumptions - Enloe Dam													
15	Interest Rate - Co Bank	4.0%												
16	Term (Years)	40												
17	Borrowing Assumptions - Non-Enloe Dam													
18	Interest Rate	5.0%												
19	Term (Years)	20												
20	2013 Effective Energy/Demand Rates (\$/kWh)													
21	Residential	0.05849												
22	General Service	0.05826												
23	Industrial	0.05618												
24	Irrigation	0.04611												
25	Frost Control	0.02874												
26	Street Lighting	0.09958												

Okanogan County PUD
2013 Equity Management Plan
Table 1 - Summary of Results and Assumptions

Scenario: Base Case

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
27 Capital Improvements (\$000) - 2012\$ (3)											
28 Funded with Bonds											
29 Enloe Dam License/Construction	3,049	1,600	10,550	20,000	0	0	0	0	0	0	35,199
30 Funded with Revenue and/or Reserves											
31 Normal Replacements & Additions	2,916	2,065	2,175	1,925	1,995	2,040	2,790	2,850	3,000	3,000	24,756
32 PT Transmission Line	2,500	6,500	0	0	0	0	0	0	0	0	9,000
33 Gold Creek Substation Construction	500	0	0	0	0	0	0	0	0	0	500
34 Aeneas to Tonasket 115kV Transmission Line Construction	0	0	0	0	0	300	2,400	0	0	0	2,700
35 Aeneas Valley Substation	0	0	0	0	0	0	0	1,200	0	0	1,200
36 Tonasket Substation Addition	0	2,200	1,400	0	0	0	0	0	0	0	3,600
37 Okanogan to Brewster 115kV Transmission Line Replacement	0	0	0	0	3,300	0	0	0	0	0	3,300
38 Sandflat Substation Addition	0	0	0	750	0	0	0	0	0	0	750
39 Ophir to Monse 115kV Transmission Line	0	300	2,000	0	0	0	0	0	0	0	2,300
40 Monse Substation Construction	0	0	0	1,500	0	0	0	0	0	0	1,500
41 Loup Loup Substation Addition / MOS and Power Transformer	0	0	0	0	0	750	0	0	0	0	750
42 Facilities	2,020	550	410	0	660	1,500	60	0	200	0	5,400
43 Mobile Substation and Power Transformer Replacements	0	0	750	0	0	0	750	0	0	0	1,500
44 SCADA	0	60	60	60	60	60	60	60	60	60	540
45 Vehicle Replacements and New	634	680	580	350	685	465	360	230	165	75	4,224
46 Distribution Projects (No projects planned after 2020 at this time)	0	935	825	1,075	1,005	960	210	150	0	0	5,160
47 Other Capital Additions											0
48 Total	\$11,619	\$14,890	\$18,750	\$25,660	\$7,705	\$6,075	\$6,630	\$4,490	\$3,425	\$3,135	\$102,379
49 Check											
50 Target DSCR	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
51 Target Operating TIER	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
52 Target Total TIER	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
53 Target Working Capital (Days of O&M)	60	60	60	60	60	60	60	60	60	60	60

Notes:

- (1) Sources: Projected long term growth rate of GDP Price Index per October 2012 Blue Chip Economic Indicator report.
- (2) Per OKPUD staff, email on 7/17/12
- (3) The 2013 CIP budget is in 2013 dollars. 2013 Budget Source: Capital Outlay 2012 and 2013 Rev.xlsx, 2014-2022 Source: EMP Estimate.xlsx.

Okanogan County PUD
 2013 Equity Management Plan
 Table 2 - Projected Revenues at Existing Rates

Scenario: Base Case

Line	Historical (1)			Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
SALES (MWh)													
1 Residential	289,163	324,538	289,640	295,092	298,892	302,730	306,606	310,521	314,476	318,469	322,503	326,577	330,692
2 General Service	197,733	202,557	204,212	206,255	208,317	210,400	212,504	214,629	216,776	218,943	221,133	223,344	225,578
3 Industrial	21,602	21,141	20,584	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409
4 Irrigation	59,820	60,318	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773
5 Frost Control	438	517	358	358	358	358	358	358	358	358	358	358	358
6 Street Lighting	1,340	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360
7 Total Retail Sales	570,097	610,431	580,927	586,247	592,110	598,031	604,011	610,051	616,152	622,313	628,536	634,822	641,170
8 Sales for Resale	213,866	357,255	267,366	163,437	157,097	150,694	144,227	182,659	176,062	169,398	162,669	155,872	149,008
9 Adjustment	0	0	0	-	-	-	-	-	-	-	-	-	-
10 Total Energy Sales	783,963	967,686	848,293	749,684	749,207	748,725	748,238	792,710	792,213	791,712	791,205	790,694	790,178
CUSTOMER ACCOUNTS													
11 Residential	16,857	16,840	16,937	17,106	17,277	17,450	17,625	17,801	17,979	18,159	18,340	18,524	18,709
12 General Service	2,378	2,367	2,377	2,401	2,425	2,449	2,474	2,498	2,523	2,548	2,574	2,600	2,626
13 Industrial	4	4	4	3	3	3	3	3	3	3	3	3	3
14 Irrigation	1,207	1,198	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
15 Frost Control	134	136	140	140	140	140	140	140	140	140	140	140	140
16 Street Lighting	21	21	21	21	21	21	21	21	21	21	21	21	21
17 Total Customer Accounts	20,601	20,566	20,679	20,871	21,066	21,263	21,462	21,663	21,866	22,071	22,278	22,487	22,699
CUSTOMER HP RATING (IRR./FROST CONTROL)													
18 Irrigation													
19 0 - 74.9 HP	17,177	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
20 75+ HP	27,190	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
21 Total HP	44,367	45,761	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
22 Frost Control	10,433	12,096	12,208	12,269	12,331	12,392	12,454	12,517	12,579	12,642	12,705	12,769	12,833
MONTHLY USAGE PER CUSTOMER ACCOUNT (kWh)													
23 Residential	1,429	1,606	1,425	1,438	1,442	1,446	1,450	1,454	1,458	1,462	1,465	1,469	1,473
24 General Service	6,929	7,131	7,159	7,159	7,159	7,159	7,159	7,159	7,159	7,159	7,159	7,159	7,159
25 Industrial	450,046	440,438	428,827	511,374	511,374	511,374	511,374	511,374	511,374	511,374	511,374	511,374	511,374
26 Irrigation	4,130	4,196	4,498	4,498	4,498	4,498	4,498	4,498	4,498	4,498	4,498	4,498	4,498
27 Frost Control	272	317	213	213	213	213	213	213	213	213	213	213	213
28 Street Lighting	5,318	5,397	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396
EXISTING RATES - CUSTOMER CHARGE (\$/customer/month)													
29 Residential	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
30 General Service	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
31 Industrial	417.50	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
32 Irrigation	0.00	0.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
33 Frost Control	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34 Street Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Okanogan County PUD
 2013 Equity Management Plan
 Table 2 - Projected Revenues at Existing Rates

Scenario: Base Case

Line	Historical (1)			Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
EXISTING RATES - AVERAGE ENERGY AND DEMAND RATE (\$/kWh)													
35 Residential	\$0.04475	\$0.04925	\$0.05571	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849
36 General Service	0.05325	0.05592	0.05677	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826
37 Industrial	0.04456	0.04944	0.05258	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618
38 Irrigation	0.02870	0.02749	0.04065	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611
39 Frost Control	0.05960	0.04295	0.03870	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874
40 Street Lighting	0.09459	0.09154	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958
EXISTING RATES - COPA (\$/kWh)													
41 Residential	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
42 General Service	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
43 Industrial	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
44 Irrigation	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
45 Frost Control	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
46 Street Lighting	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
EXISTING RATES - FACILITIES CHARGE (\$/HP) -- IRR. AND FROST CONTROL													
47 Irrigation													
48 0 - 74.9 HP	\$10.85	\$14.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
49 75+ HP	7.00	14.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
50 Frost Control	3.73	4.13	4.38	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
RETAIL REVENUES AT EXISTING RATES - EXCLUDES COPA													
51 Residential	\$14,961,740	\$18,003,321	\$18,167,523	\$19,311,279	\$19,554,046	\$19,799,241	\$20,046,887	\$20,297,010	\$20,549,634	\$20,804,785	\$21,062,487	\$21,322,766	\$21,585,648
52 General Service	10,872,507	11,667,321	11,935,462	12,361,095	12,484,706	12,609,553	12,735,648	12,863,005	12,991,635	13,121,551	13,252,767	13,385,294	13,519,147
53 Industrial	982,598	1,048,770	1,085,905	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906
54 Irrigation	2,093,757	2,299,074	2,805,886	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505
55 Frost Control	64,968	72,102	67,274	65,507	65,783	66,060	66,339	66,619	66,901	67,184	67,469	67,754	68,042
56 Street Lighting	126,761	124,492	135,393	135,393	135,393	135,393	135,393	135,393	135,393	135,393	135,393	135,393	135,393
57 Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	1
58 Total Revenue from Retail Sales	\$29,102,332	\$33,215,081	\$34,197,442	\$35,997,683	\$36,364,337	\$36,734,656	\$37,108,677	\$37,486,437	\$37,867,973	\$38,253,323	\$38,642,525	\$39,035,618	\$39,432,641
COPA REVENUES													
59 Residential	\$0	\$86,380	\$695,136	\$783,181	\$1,497,552	\$1,753,079	\$2,271,638	\$2,545,805	\$3,100,244	\$3,472,237	\$4,299,819	\$4,620,166	\$5,268,072
60 General Service	0	50,465	490,110	547,404	1,043,740	1,218,407	1,574,439	1,759,635	2,137,073	2,387,116	2,948,285	3,159,704	3,593,553
61 Industrial	0	3,907	49,401	48,859	92,238	106,607	136,395	150,930	181,489	200,716	245,447	260,443	293,271
62 Irrigation	0	0	155,456	171,909	324,536	375,095	479,903	531,042	638,563	706,215	863,597	916,362	1,031,866
63 Frost Control	0	0	860	951	1,795	2,074	2,654	2,937	3,531	3,905	4,776	5,068	5,706
64 Street Lighting	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Total COPA Revenues	\$0	\$140,751	\$1,390,961	\$1,552,304	\$2,959,861	\$3,455,262	\$4,465,029	\$4,990,348	\$6,060,900	\$6,770,190	\$8,361,923	\$8,961,743	\$10,192,469
67 Total Revenue for Retail Sales + COPA	\$29,102,332	\$33,355,832	\$35,588,403	\$37,549,987	\$39,324,198	\$40,189,918	\$41,573,706	\$42,476,785	\$43,928,873	\$45,023,513	\$47,004,448	\$47,997,361	\$49,625,110
68 Percent Change	-4.8%	14.6%	6.7%	5.5%	4.7%	2.2%	3.4%	2.2%	3.4%	2.5%	4.4%	2.1%	3.4%
69 Unit Revenue at Existing Rates (cents/kWh)													
70 Retail Rates	5.10	5.46	6.13	6.41	6.64	6.72	6.88	6.96	7.13	7.23	7.48	7.56	7.74

Note:

(1) Source: Revenue Stats 2005 - 12312012 (Operating Data 6c) Feb 2013.xls

Okanogan County PUD
2013 Equity Management Plan
Table 3 - Income Statement - Accrual Basis
(\$000)

Scenario: Base Case

Line	Historical (1)			Budget Projected												
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022			
1	Operating Revenue															
2	Retail Rate Revenues at Existing Rates			\$29,102	\$33,215	\$34,197	\$35,998	\$36,364	\$36,735	\$37,109	\$37,486	\$37,868	\$38,253	\$38,643	\$39,036	\$39,433
3	<u>Future Base Rate Increases</u>															
4	Year	% of Base Sales Revenue	Months Effective													
5	2013	12.5%	4	1,461	4,546	4,592	4,639	4,686	4,734	4,782	4,830	4,880	4,929			
6	2014	12.5%	6		2,404	5,166	5,218	5,271	5,325	5,379	5,434	5,489	5,545			
7	2015	2.5%	6			546	1,174	1,186	1,198	1,210	1,223	1,235	1,248			
8	2016	2.5%	6				566	1,216	1,228	1,241	1,253	1,266	1,279			
9	2017	2.5%	6					586	1,259	1,272	1,285	1,298	1,311			
10	2018	0.0%	6						0	0	0	0	0			
11	2019	0.0%	6							0	0	0	0			
12	2020	0.0%	6								0	0	0			
13	2021	0.0%	6									0	0			
14	2022	0.0%	6										0			
15	Sales for Resale Revenue			\$5,802	\$6,742	\$3,532	\$2,641	\$2,577	\$2,509	\$2,437	\$3,133	\$3,065	\$2,993	\$2,917	\$2,837	\$2,753
16	COPA Revenues			0	141	1,391	1,552	2,960	3,455	4,465	4,990	6,061	6,770	8,362	8,962	10,192
17	Other Revenues			992	924	830	727	738	749	760	771	783	795	807	819	831
18	Total Operating Revenues			\$35,896	\$41,021	\$39,950	\$42,379	\$49,588	\$53,752	\$56,368	\$59,325	\$61,520	\$62,695	\$64,754	\$65,822	\$67,521
19	Operating Expenses															
20	Production			\$85	\$113	\$83	\$108	\$111	\$113	\$115	\$118	\$121	\$124	\$127	\$130	\$133
21	Purchased Power			23,896	24,061	22,284	23,837	25,244	25,740	26,749	28,417	29,509	30,240	31,854	32,476	33,730
22	Other Power Supply			521	687	832	1,086	1,110	1,134	1,159	1,184	1,210	1,237	1,264	1,292	1,320
23	Transmission			82	34	40	52	53	54	55	56	57	58	59	60	61
24	Distribution			5,381	4,721	5,427	7,088	7,244	7,403	7,566	7,732	7,902	8,076	8,254	8,436	8,622
25	Consumer Accounting			1,285	1,344	1,348	1,761	1,800	1,840	1,880	1,921	1,963	2,006	2,050	2,095	2,141
26	Customer Service & Information			677	509	747	976	997	1,019	1,041	1,064	1,087	1,111	1,135	1,160	1,186
27	Admin. & General			3,728	3,864	4,094	5,348	5,465	5,585	5,708	5,834	5,962	6,093	6,227	6,364	6,504
28	Tax Expense			1,829	2,127	2,210	2,360	2,474	2,528	2,615	2,672	2,763	2,832	2,957	3,019	3,122
29	Depreciation/Amortization			3,067	3,756	3,866	3,812	4,002	4,436	4,793	5,925	6,207	6,406	6,652	6,805	6,916
30	Total Cost of Electric Service			\$40,552	\$41,215	\$40,931	\$46,427	\$48,500	\$49,852	\$51,682	\$54,923	\$56,782	\$58,183	\$60,579	\$61,838	\$63,735
31	Net Operating Revenues			(\$4,656)	(\$194)	(\$981)	(\$4,048)	\$1,088	\$3,900	\$4,686	\$4,401	\$4,739	\$4,511	\$4,175	\$3,984	\$3,786
32	Other Income			401	564	1,323	991	979	975	975	975	975	975	975	975	975
33	Interest Expense			(932)	(1,970)	(1,302)	(1,875)	(3,235)	(3,161)	(4,530)	(4,451)	(4,328)	(4,190)	(4,045)	(3,894)	(3,723)
34	Debt Issuance Expense and Discount			(60)	(95)	(85)	(85)	(85)	(85)	(85)	(85)	(85)	(85)	(85)	(80)	(35)
35	Other Deductions			(50)	(351)	0	0	0	0	0	0	0	0	0	0	0
36	Contributions in Aid of Construction (2)			996	975	992	1,104	1,260	1,323	1,389	1,459	1,532	1,608	1,689	1,773	1,862
37	Use of Rate Stabilization Funds			1,400	0	0	2,575	0	0	0	0	0	0	0	0	0
38	Net Income (Loss)			(\$2,901)	(\$1,071)	(\$53)	(\$1,338)	\$8	\$2,953	\$2,436	\$2,300	\$2,833	\$2,820	\$2,710	\$2,758	\$2,866
39	Total Retail Energy Sales (MWh)			570,097	610,431	580,927	586,247	592,110	598,031	604,011	610,051	616,152	622,313	628,536	634,822	641,170
40	Unit Revenue from Retail Sales (¢/kWh)			5.10	5.46	6.13	6.65	7.81	8.44	8.80	9.08	9.36	9.47	9.71	9.79	9.97
41	Increase over Previous Year			6.4%	7.0%	12.1%	8.6%	17.4%	8.0%	4.3%	3.2%	3.0%	1.1%	2.6%	0.9%	1.8%
42	Necessary Retail Rate Change					0.0%	12.5%	12.5%	2.5%	2.5%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%
43	DSC Ratio			0.77	1.36	1.47	1.25	1.38	2.01	1.76	1.67	1.77	1.78	1.77	1.78	1.96
44	Operating TIER			(4.99)	(0.10)	(0.75)	(2.16)	0.34	1.23	1.03	0.99	1.09	1.08	1.03	1.02	1.02
45	Total TIER			(2.11)	0.46	0.96	0.29	1.00	1.93	1.54	1.52	1.65	1.67	1.67	1.71	1.77
46	Working Capital (Days of O&M)			74	95	43	9	187	65	111	81	71	57	59	70	85

Note:

- (1) Sources: 2010 - 2011 Financial and Statistical Reports, Draft 2012 Financial and Statistical Report
- (2) Sources: EMP 2011 CIAC.xlsx

Okanogan County PUD
2013 Equity Management Plan
Table 4 - Pro-Forma Balance Sheet as of December 31
(\$'000)

Scenario: Base Case

Line	Historical (1)			Projected										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
ASSETS AND OTHER DEBITS														
1	Total Utility Plant	\$137,519	\$141,269	\$146,711	\$157,340	\$171,903	\$190,927	\$217,931	\$225,532	\$231,464	\$238,195	\$242,549	\$245,725	\$248,632
2	Accum. Prov. for Deprec.	(52,369)	(53,648)	(56,805)	(59,627)	(62,639)	(66,085)	(69,888)	(74,823)	(80,040)	(85,456)	(91,118)	(96,933)	(102,859)
3	Net Utility Plant	\$85,150	\$87,621	\$89,906	\$97,713	\$109,264	\$124,842	\$148,043	\$150,709	\$151,424	\$152,739	\$151,431	\$148,792	\$145,773
4	Other Property & Investments													
5	Investments in Associated Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Electric Investment in Communications	2,150	1,979	1,799	1,799	1,799	1,799	1,799	1,799	1,799	1,799	1,799	1,799	1,799
7	Total Other Property & Investments	\$2,150	\$1,979	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799
8	Current Assets													
9	Revenue Fund	\$2,832	\$3,763	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818
10	Working Funds	15	15	15	15	15	15	15	15	15	15	15	15	15
11	Temporary Cash Investments	4,773	6,004	2,582	(812)	20,915	6,299	12,463	9,058	8,031	6,253	6,841	8,656	11,394
12	Accrued Utility Revenues	2,321	1,996	2,189	2,189	2,189	2,189	2,189	2,189	2,189	2,189	2,189	2,189	2,189
13	Other Current Assets	6,302	5,990	6,835	6,835	6,835	6,835	6,835	6,835	6,835	6,835	6,835	6,835	6,835
14	Total Unrestricted Current Assets	\$16,243	\$17,768	\$13,440	\$10,046	\$31,773	\$17,156	\$23,321	\$19,915	\$18,889	\$17,111	\$17,699	\$19,513	\$22,251
15	Restricted Current Assets													
16	Bond Sinking Funds	\$567	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290
17	Customer Deposits	450	600	600	600	600	600	600	600	600	600	600	600	600
18	Compensated Absences	1,100	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400
19	Debt Service Reserve Funds	0	0	1,945	1,945	1,945	1,945	1,945	1,945	1,945	1,945	1,945	1,945	1,945
20	Bond Construction Funds	14,898	9,263	7,266	0	0	0	0	0	0	0	0	0	0
21	Other Special Funds (Rate Stab. Fund)	6,135	6,135	6,135	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460	3,460
22	Total Restricted Current Assets	\$23,150	\$17,687	\$17,635	\$7,694	\$7,694	\$7,694	\$7,694	\$7,694	\$7,694	\$7,694	\$7,694	\$7,694	\$7,694
23	Deferred Debits													
24	Unamortized Debt Expense	\$415	\$389	\$370	\$351	\$333	\$314	\$295	\$276	\$257	\$238	\$220	\$201	\$182
25	Unamortized Loss on Reacquired Debt	845	770	695	620	545	470	395	321	246	171	96	25	0
26	Other Deferred Debits	2,987	2,222	3,882	3,882	3,882	3,882	3,882	3,882	3,882	3,882	3,882	3,882	3,882
27	Total Assets & Other Debits	\$130,940	\$128,436	\$127,728	\$122,106	\$155,290	\$156,159	\$185,430	\$184,597	\$184,192	\$183,635	\$182,821	\$181,906	\$181,582
EQUITIES AND LIABILITIES														
28	Net Assets													
29	Restricted for Capital Construction	\$14,898	\$9,263	\$7,266	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30	Restricted for Debt Service	0	0	2,078	2,078	2,078	2,078	2,078	2,078	2,078	2,078	2,078	2,078	2,078
31	Restricted for Contingencies	6,135	6,135	6,250	3,575	3,575	3,575	3,575	3,575	3,575	3,575	3,575	3,575	3,575
32	Appropriated Net Assets	4,000	4,000	3,036	3,036	3,036	3,036	3,036	3,036	3,036	3,036	3,036	3,036	3,036
33	Unappropriated Net Assets	46,144	51,208	52,584	58,512	58,520	61,473	63,909	66,209	69,042	71,862	74,572	77,330	80,195
34	Contributions in Aid of Construction	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558
35	Total Net Assets	\$82,735	\$82,164	\$82,772	\$78,759	\$78,767	\$81,720	\$84,156	\$86,456	\$89,289	\$92,109	\$94,819	\$97,576	\$100,442
36	Non-Current Liabilities													
37	Long-Term Debt	\$39,595	\$38,040	\$36,440	\$34,425	\$67,550	\$65,394	\$91,270	\$88,041	\$84,673	\$81,159	\$77,496	\$74,315	\$74,315
38	Other Long Term Liabilities	363	357	347	338	329	320	311	302	293	283	274	265	256
39	Total Long-Term Liabilities	\$39,958	\$38,397	\$36,787	\$34,763	\$67,879	\$65,714	\$91,581	\$88,343	\$84,966	\$81,442	\$77,770	\$74,580	\$74,571
40	Current and Accrued Liabilities													
41	Warrants Outstanding	\$625	\$247	\$188	\$188	\$188	\$188	\$188	\$188	\$188	\$188	\$188	\$188	\$188
42	Accounts Payable	3,344	3,126	3,283	3,283	3,283	3,283	3,283	3,283	3,283	3,283	3,283	3,283	3,283
43	Taxes Accrued	822	944	969	969	969	969	969	969	969	969	969	969	969
44	Miscellaneous	78	85	86	86	86	86	86	86	86	86	86	86	86
45	Other Regulatory Liabilities	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Total Current and Accrued Liabilities	\$4,869	\$4,402	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527
47	Current Liab. Payable from Restricted Assets													
48	Current Portion of Long Term Debt	\$1,190	\$1,555	\$1,600	\$2,015	\$2,075	\$2,156	\$3,124	\$3,229	\$3,368	\$3,514	\$3,663	\$3,181	\$0
49	Interest on Long Term Debt	431	160	156	156	156	156	156	156	156	156	156	156	156
50	Compensated Absences	1,199	1,191	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350
51	Customer Deposits	558	568	535	535	535	535	535	535	535	535	535	535	535
52	Total Current Liab. Payable from Restricted Assets	\$3,378	\$3,474	\$3,642	\$4,057	\$4,117	\$4,198	\$5,166	\$5,271	\$5,410	\$5,556	\$5,705	\$5,223	\$2,042
53	Deferred Credits	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Total Equities and Liabilities	\$130,939	\$128,436	\$127,728	\$122,106	\$155,290	\$156,159	\$185,430	\$184,596	\$184,191	\$183,634	\$182,821	\$181,906	\$181,582
FINANCIAL RATIOS														
55	Equity to Total Assets	63.2%	64.0%	64.8%	64.5%	50.7%	52.3%	45.4%	46.8%	48.5%	50.2%	51.9%	53.6%	55.3%
56	Working Capital (Days of O&M)	74	95	43	9	187	65	111	81	71	57	59	70	85

Note:

(1) Sources: 2010 - 2011 Financial and Statistical Reports, Draft 2012 Financial and Statistical Report

Okanogan County PUD
2013 Equity Management Plan
Table 5 - Statement of Operations - Cash Basis
(\$000)

Scenario: Base Case

Line	Projected									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1 Total Net Operating Revenues	(\$4,048)	\$1,088	\$3,900	\$4,686	\$4,401	\$4,739	\$4,511	\$4,175	\$3,984	\$3,786
2 Add: Depreciation	3,812	4,002	4,436	4,793	5,925	6,207	6,406	6,652	6,805	6,916
3 Add: Other Income	991	979	975	975	975	975	975	975	975	975
4 Add: Use of Rate Stabilization Fund	2,575	0	0	0	0	0	0	0	0	0
5 Cash from Operations	\$3,330	\$6,069	\$9,312	\$10,455	\$11,302	\$11,921	\$11,893	\$11,803	\$11,764	\$11,678
6 Debt Service - Long Term										
7 Existing - Interest	\$1,875	\$1,827	\$1,768	\$1,702	\$1,639	\$1,577	\$1,502	\$1,424	\$1,342	\$1,244
8 Existing - Principal	1,600	1,645	1,690	1,755	1,830	1,875	1,950	2,030	2,110	1,555
9 New - Interest	0	1,408	1,393	2,828	2,812	2,751	2,688	2,621	2,552	2,479
10 New - Principal	0	370	385	401	1,294	1,354	1,418	1,484	1,553	1,626
11 Total Debt Service	\$3,475	\$5,250	\$5,236	\$6,686	\$7,575	\$7,557	\$7,558	\$7,559	\$7,557	\$6,904
12 Cash Margins After Debt Service	(\$145)	\$819	\$4,076	\$3,769	\$3,727	\$4,364	\$4,335	\$4,244	\$4,207	\$4,774
13 Cash from Investing Activities										
14 Total Additions and Replacements	(10,515)	(14,292)	(18,692)	(26,605)	(7,132)	(5,391)	(6,113)	(3,655)	(2,393)	(2,036)
15 Cash from Financing Activities										
16 Proceeds from Long Term Debt	0	35,200	0	29,000	0	0	0	0	0	0
17 Proceeds from Bond Construction Funds	7,266	0	0	0	0	0	0	0	0	0
18 Cash from Investing and Financing Activities	(3,249)	20,908	(18,692)	2,395	(7,132)	(5,391)	(6,113)	(3,655)	(2,393)	(2,036)
19 Net Cash	(3,394)	21,727	(14,616)	6,164	(3,405)	(1,027)	(1,778)	588	1,814	2,738
FINANCIAL RATIOS										
20 Debt Service Coverage	1.25	1.38	2.01	1.76	1.67	1.77	1.78	1.77	1.78	1.96

Okanogan County PUD
2013 Equity Management Plan
Table 6 - General Funds Summary
(\$000)

Scenario: Base Case

Line	Projected									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
SOURCES OF GENERAL FUNDS										
1	\$19,904	\$6,569	\$28,296	\$13,680	\$19,844	\$16,438	\$15,412	\$13,634	\$14,222	\$16,036
2	(145)	819	4,076	3,769	3,727	4,364	4,335	4,244	4,207	4,774
3	0	35,200	0	29,000	0	0	0	0	0	0
4	(2,675)	0	0	0	0	0	0	0	0	0
5	\$17,084	\$42,588	\$32,372	\$46,448	\$23,571	\$20,803	\$19,747	\$17,877	\$18,429	\$20,810
USES OF GENERAL FUNDS										
6	7,266	35,200	0	29,000	0	0	0	0	0	0
7	3,249	(20,908)	18,692	(2,395)	7,132	5,391	6,113	3,655	2,393	2,036
8	0	0	0	0	0	0	0	0	0	0
9	\$10,515	\$14,292	\$18,692	\$26,605	\$7,132	\$5,391	\$6,113	\$3,655	\$2,393	\$2,036
10	\$6,569	\$28,296	\$13,680	\$19,844	\$16,438	\$15,412	\$13,634	\$14,222	\$16,036	\$18,774

Notes

	2012
(1) Components of general funds as of December 31 were:	
Sinking Funds	\$290
Rate Stabilization Fund	6,135
Employee Compensated Absences Fund	1,400
Customer Deposit Fund	600
Revenue Fund Less Warrants Outstanding	1,631
Temporary Cash Investments	2,582
Bond Construction Funds	7,266
Total	\$19,904

Okanogan County PUD
2013 Equity Management Plan
Table 7 - Plant Investment and Depreciation Expense
(\$000)

Scenario: Base Case

Line	Projected									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
UTILITY PLANT										
1	\$146,711	\$157,340	\$171,903	\$190,927	\$217,931	\$225,532	\$231,464	\$238,195	\$242,549	\$245,725
2	Additions and Replacements - CIP Inflation Adjusted									
3	Funded with Bonds									
4	3,049	1,671	11,262	21,819	0	0	0	0	0	0
5	Funded with Revenue and/or Reserves									
6	2,916	2,157	2,322	2,100	2,224	2,325	3,249	3,392	3,649	3,729
7	2,500	6,789	0	0	0	0	0	0	0	0
8	500	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	342	2,795	0	0	0
10	0	0	0	0	0	0	0	1,428	0	0
11	0	2,298	1,494	0	0	0	0	0	0	0
12	0	0	0	0	3,679	0	0	0	0	0
13	0	0	0	818	0	0	0	0	0	0
14	0	313	2,135	0	0	0	0	0	0	0
15	0	0	0	1,636	0	0	0	0	0	0
16	0	0	0	0	0	855	0	0	0	0
17	2,020	574	438	0	736	1,709	70	0	243	0
18	0	0	801	0	0	0	873	0	0	0
19	0	63	64	65	67	68	70	71	73	75
20	634	710	619	382	764	530	419	274	201	93
21	0	977	881	1,173	1,121	1,094	245	179	0	0
22	0	0	0	0	0	0	0	0	0	0
23	\$11,619	\$15,552	\$20,015	\$27,994	\$8,591	\$6,922	\$7,721	\$5,344	\$4,166	\$3,897
24	990	990	990	990	990	990	990	990	990	990
25	\$157,340	\$171,903	\$190,927	\$217,931	\$225,532	\$231,464	\$238,195	\$242,549	\$245,725	\$248,632
26	Net Additions and Replacements									
27	\$6,070	\$6,779	\$6,618	\$6,175	\$4,911	\$6,580	\$4,926	\$5,344	\$4,166	\$3,897
28	5,549	8,774	13,397	21,819	3,679	342	2,795	-	-	-
29	\$11,619	\$15,552	\$20,015	\$27,994	\$8,591	\$6,922	\$7,721	\$5,344	\$4,166	\$3,897

Okanogan County PUD
2013 Equity Management Plan
Table 7 - Plant Investment and Depreciation Expense
(\$000)

Scenario: Base Case

Line		Projected									
		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
30	DEPRECIATION EXPENSE										
30	Funded with Bonds										
31	Enloe Dam License/Construction	2.50%	0	0	0	0	945	945	945	945	945
32	Funded with Revenue and/or Reserves										
33	Normal Replacements & Additions	3.00%	0	87	152	222	285	352	421	519	621
34	PT Transmission Line	3.00%	0	0	279	279	279	279	279	279	279
35	Gold Creek Substation Construction	3.00%	0	15	15	15	15	15	15	15	15
36	Aeneas to Tonasket 115kV Transmission Line Construction	3.00%	0	0	0	0	0	0	94	94	94
37	Aeneas Valley Substation	3.00%	0	0	0	0	0	0	0	43	43
38	Tonasket Substation Addition	3.00%	0	0	0	114	114	114	114	114	114
39	Okanogan to Brewster 115kV Transmission Line Replacement	3.00%	0	0	0	0	110	110	110	110	110
40	Sandflat Substation Addition	3.00%	0	0	0	0	25	25	25	25	25
41	Ophir to Monse 115kV Transmission Line	3.00%	0	0	0	73	73	73	73	73	73
42	Monse Substation Construction	3.00%	0	0	0	0	49	49	49	49	49
43	Loup Loup Substation Addition / MOS and Power Transformer	3.00%	0	0	0	0	0	0	26	26	26
44	Facilities	2.50%	0	51	65	76	76	94	137	139	145
45	Mobile Substation and Power Transformer Replacements	3.00%	0	0	0	24	24	24	50	50	50
46	SCADA	3.00%	0	0	2	4	6	8	10	12	14
47	Vehicle Replacements and New	10.00%	0	63	134	196	235	311	364	406	453
48	Distribution Projects (District) (No projects planned after 2020 at this time)	3.00%	0	0	29	56	91	125	157	165	170
49	Existing Plant	2.62%	3,812	3,786	3,760	3,734	3,708	3,683	3,657	3,631	3,605
50	Total Depreciation Expense		\$3,812	\$4,002	\$4,436	\$4,793	\$5,925	\$6,207	\$6,406	\$6,652	\$6,805
51	Less Depreciation in Other Accounts		0	0	0	0	0	0	0	0	0
52	Net Depreciation Expense		\$3,812	\$4,002	\$4,436	\$4,793	\$5,925	\$6,207	\$6,406	\$6,652	\$6,805
53	2012 ESTIMATED DEPRECIATION RATE ON EXISTING PLANT										
54	Total Utility Plant in Service (EOY)	146,711									
55	Depreciation Expense	3,838									
56	Estimated Average Depreciation Rate	2.62%									
57	ESTIMATED PLANT IN SERVICE - EXISTING PLANT										
58	Total Existing Plant in Service (BOY)	146,711	145,721	144,731	143,741	142,751	141,761	140,771	139,781	138,791	137,801
59	Retirements	990	990	990	990	990	990	990	990	990	990
60	Total Existing Plant in Service (EOY)	145,721	144,731	143,741	142,751	141,761	140,771	139,781	138,791	137,801	136,811
61	Estimated Depreciation Expense on Existing Plant		3,812	3,786	3,760	3,734	3,708	3,683	3,657	3,631	3,605

Okanogan County PUD
2013 Equity Management Plan
Table 8 - Long-Term Debt and Debt Service
(\$000)

Scenario: Base Case

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
Projected											
EXISTING LONG TERM DEBT											
1	Balance (Beg Yr)	\$38,040	\$36,440	\$34,795	\$33,105	\$31,350	\$29,520	\$27,645	\$25,695	\$23,665	\$21,555
2	Principal Repayments	1,600	1,645	1,690	1,755	1,830	1,875	1,950	2,030	2,110	1,555
3	Balance (End Yr)	\$36,440	\$34,795	\$33,105	\$31,350	\$29,520	\$27,645	\$25,695	\$23,665	\$21,555	\$20,000
EXISTING DEBT INTEREST AND PRINCIPAL PAYMENTS											
4	Interest										
5	2003 Bonds	\$321	\$293	\$261	\$228	\$192	\$158	\$130	\$101	\$70	\$36
6	2010 Bonds	1,554	1,534	1,507	1,475	1,447	1,419	1,372	1,323	1,272	1,208
7	Total Interest	\$1,875	\$1,827	\$1,768	\$1,702	\$1,639	\$1,577	\$1,502	\$1,424	\$1,342	\$1,244
8	Principal										
9	2003 Bonds	\$555	\$580	\$615	\$650	\$685	\$700	\$730	\$760	\$790	\$825
10	2010 Bonds	1,045	1,065	1,075	1,105	1,145	1,175	1,220	1,270	1,320	730
11	Total Principal	\$1,600	\$1,645	\$1,690	\$1,755	\$1,830	\$1,875	\$1,950	\$2,030	\$2,110	\$1,555
FUNDING REQUIREMENTS											
12	Capital Funding Requirements (1)	\$10,515	\$14,292	\$18,692	\$26,605	\$7,132	\$5,391	\$6,113	\$3,655	\$2,393	\$2,036
13	Refinancing Requirements	0	0	0	0	0	0	0	0	0	0
14	Total Funding Requirements	\$10,515	\$14,292	\$18,692	\$26,605	\$7,132	\$5,391	\$6,113	\$3,655	\$2,393	\$2,036
15	Loan Funds Advanced	0	35,200	0	29,000	0	0	0	0	0	0
16	Use of Unspent Bond Proceeds	7,266	0	0	0	0	0	0	0	0	0
17	General Funds Invested	\$3,249	(\$20,908)	\$18,692	(\$2,395)	\$7,132	\$5,391	\$6,113	\$3,655	\$2,393	\$2,036
NEW LONG TERM DEBT											
18	New Long Term Debt										
19	BOY Balance	\$0	\$0	\$34,830	\$34,445	\$63,044	\$61,750	\$60,396	\$58,978	\$57,494	\$55,941
20	Loan Funds Advanced	0	35,200	0	29,000	0	0	0	0	0	0
21	Interest Expense	0	1,408	1,393	2,828	2,812	2,751	2,688	2,621	2,552	2,479
22	Principal Payments	0	370	385	401	1,294	1,354	1,418	1,484	1,553	1,626
23	Total Debt Service	\$0	\$1,778	\$1,778	\$3,229	\$4,106	\$4,105	\$4,106	\$4,105	\$4,105	\$4,105
24	EOY Balance	\$0	\$34,830	\$34,445	\$63,044	\$61,750	\$60,396	\$58,978	\$57,494	\$55,941	\$54,315
TOTAL LONG TERM DEBT SERVICE											
25	Interest										
26	Existing Debt	\$1,875	\$1,827	\$1,768	\$1,702	\$1,639	\$1,577	\$1,502	\$1,424	\$1,342	\$1,244
27	New Long Term Debt	0	1,408	1,393	2,828	2,812	2,751	2,688	2,621	2,552	2,479
28	Total Interest	\$1,875	\$3,235	\$3,161	\$4,530	\$4,451	\$4,328	\$4,190	\$4,045	\$3,894	\$3,723
29	Principal										
30	Existing Debt	\$1,600	\$1,645	\$1,690	\$1,755	\$1,830	\$1,875	\$1,950	\$2,030	\$2,110	\$1,555
31	New Long Term Debt	0	370	385	401	1,294	1,354	1,418	1,484	1,553	1,626
32	Total Principal	\$1,600	\$2,015	\$2,075	\$2,156	\$3,124	\$3,229	\$3,368	\$3,514	\$3,663	\$3,181
33	Total Debt Service	\$3,475	\$5,250	\$5,236	\$6,686	\$7,575	\$7,557	\$7,558	\$7,559	\$7,557	\$6,904
34	Less Portion Allocated to Telecom	0	0	0	0	0	0	0	0	0	0
35	Total Electric System Debt Service	\$3,475	\$5,250	\$5,236	\$6,686	\$7,575	\$7,557	\$7,558	\$7,559	\$7,557	\$6,904
TOTAL LONG TERM DEBT											
34	Balance (Beg Yr)	\$38,040	\$36,440	\$69,625	\$67,550	\$94,394	\$91,270	\$88,041	\$84,673	\$81,159	\$77,496
35	Loan Funds Advanced	-	35,200	-	29,000	-	-	-	-	-	-
36	Less Principal Repayments	1,600	2,015	2,075	2,156	3,124	3,229	3,368	3,514	3,663	3,181
37	Balance (End Yr)	\$36,440	\$69,625	\$67,550	\$94,394	\$91,270	\$88,041	\$84,673	\$81,159	\$77,496	\$74,315
35 Current Portion of Long Term Debt - EOY											
36	Existing Debt	\$1,645	\$1,690	\$1,755	\$1,830	\$1,875	\$1,950	\$2,030	\$2,110	\$1,555	\$0
37	New Long Term Debt	370	385	401	1,294	1,354	1,418	1,484	1,553	1,626	0
38	Total Current Portion	\$2,015	\$2,075	\$2,156	\$3,124	\$3,229	\$3,368	\$3,514	\$3,663	\$3,181	\$0

Notes

(1) Includes CIAC

Okanogan County PUD
 2013 Equity Management Plan
 Table 9 - Energy Resources and Cost of Power

Scenario: Base Case

	Projected										Avg. Annual Increase 2013 - 2022	
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
POWER SUPPLY (MWh)												
1	Purchased Power											
2	BPA Block	209,496	209,496	209,496	209,496	209,496	209,496	209,496	209,496	209,496	209,496	0.0%
3	BPA Slice	286,179	286,179	286,179	286,179	286,179	286,179	286,179	286,179	286,179	286,179	0.0%
4	Douglas NCW Trans.	629	629	629	629	629	629	629	629	629	629	0.0%
5	Wells	258,942	258,942	258,942	258,942	258,942	258,942	258,942	258,942	258,942	258,942	0.0%
6	Nine Canyon Wind	42,156	42,156	42,156	42,156	42,156	42,156	42,156	42,156	42,156	42,156	0.0%
7	Douglas-Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	n/a
8	Other	0	0	0	0	0	0	0	0	0	0	n/a
9	Subtotal - Purchased Power	797,402	797,402	797,402	797,402	797,402	797,402	797,402	797,402	797,402	797,402	0.0%
10	New Resources											
11	Enloe Dam	0	0	0	0	44,963	44,963	44,963	44,963	44,963	44,964	n/a
12	Subtotal - New Resources	0	0	0	0	44,963	44,963	44,963	44,963	44,963	44,964	n/a
13	Generation Losses	0	0	0	0	0	0	0	0	0	0	n/a
14	Total Power Supply	797,402	797,402	797,402	797,402	842,365	842,365	842,365	842,365	842,365	842,366	0.6%
POWER REQUIREMENTS (MWh)												
15	Retail Energy Sales	586,247	592,110	598,031	604,011	610,051	616,152	622,313	628,536	634,822	641,170	1.0%
16	Sales for Resale	163,437	157,097	150,694	144,227	182,659	176,062	169,398	162,669	155,872	149,008	-1.0%
17	Station Use	0	0	0	0	0	0	0	0	0	0	n/a
18	Distribution Line Losses	47,718	48,195	48,677	49,164	49,655	50,152	50,653	51,160	51,672	52,188	1.0%
19	Total	797,402	797,402	797,402	797,402	842,365	842,365	842,365	842,365	842,365	842,366	0.6%
LOSSES (MWh)												
20	As a Percent of Requirements	6.0%	6.0%	6.1%	6.2%	5.9%	6.0%	6.0%	6.1%	6.1%	6.2%	
POWER COSTS (\$000)												
21	Purchased Power											
22	BPA Block	\$6,363	\$6,789	\$6,904	\$7,197	\$7,319	\$7,629	\$7,758	\$8,086	\$8,223	\$8,572	3.4%
23	BPA Slice	8,365	8,935	9,065	9,455	9,593	10,006	10,305	11,200	11,364	11,856	4.0%
24	Douglas NCW Trans.	2,139	2,341	2,376	2,481	2,518	2,630	2,669	2,788	2,830	2,955	3.7%
25	Wells	4,143	4,267	4,395	4,527	4,663	4,803	4,947	5,095	5,248	5,405	3.0%
26	Nine Canyon Wind	2,827	2,912	3,000	3,090	3,182	3,278	3,376	3,477	3,582	3,689	3.0%
27	Douglas-Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	n/a
28	Other	0	0	0	0	0	0	0	0	0	0	n/a
29	Subtotal - Purchased Power	\$23,837	\$25,244	\$25,740	\$26,749	\$27,275	\$28,345	\$29,054	\$30,646	\$31,246	\$32,477	3.5%
30	New Resources											
31	Enloe Dam	\$0	\$0	\$0	\$0	\$1,143	\$1,164	\$1,186	\$1,208	\$1,231	\$1,254	
32	Subtotal - New Resources	\$0	\$0	\$0	\$0	\$1,143	\$1,164	\$1,186	\$1,208	\$1,231	\$1,254	
33	Total Power Costs	\$23,837	\$25,244	\$25,740	\$26,749	\$28,417	\$29,509	\$30,240	\$31,854	\$32,476	\$33,730	
UNIT POWER COSTS (cents/kWh)												
35	BPA Block	3.04	3.24	3.30	3.44	3.49	3.64	3.70	3.86	3.93	4.09	3.4%
36	BPA Slice	2.92	3.12	3.17	3.30	3.35	3.50	3.60	3.91	3.97	4.14	4.0%
37	Douglas NCW Trans.	340.02	372.12	377.71	394.45	400.37	418.12	424.39	443.21	449.85	469.80	3.7%
38	Wells	1.60	1.65	1.70	1.75	1.80	1.85	1.91	1.97	2.03	2.09	3.0%
39	Nine Canyon Wind	6.71	6.91	7.12	7.33	7.55	7.78	8.01	8.25	8.50	8.75	3.0%
40	Douglas-Nine Canyon Wind	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
41	Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
42	Enloe Dam	n/a	n/a	n/a	n/a	2.54	2.59	2.64	2.69	2.74	2.79	n/a
43	Total	2.99	3.17	3.23	3.35	3.37	3.50	3.59	3.78	3.86	4.00	3.3%

Okanogan County PUD
 2013 Equity Management Plan
 Table 10 - Projected COPA Revenues

Scenario: Base Case

Line	Actual		Projected									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
SALES (MWh)												
1 Residential	324,538	289,640	295,092	298,892	302,730	306,606	310,521	314,476	318,469	322,503	326,577	330,692
2 General Service	202,557	204,212	206,255	208,317	210,400	212,504	214,629	216,776	218,943	221,133	223,344	225,578
3 Industrial	21,141	20,584	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409
4 Irrigation	60,318	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773
5 Frost Control	517	358	358	358	358	358	358	358	358	358	358	358
6 Street Lighting	-	-	-	-	-	-	-	-	-	-	-	-
7 Total Retail Sales	609,071	579,567	584,888	590,750	596,671	602,651	608,692	614,792	620,954	627,177	633,462	639,810
8												
POWER SUPPLY COSTS (\$000)												
9 Total Power Costs	\$24,061	\$22,284	\$23,837	\$25,244	\$25,740	\$26,749	\$28,417	\$29,509	\$30,240	\$31,854	\$32,476	\$33,730
11 Less Enloe Dam	-	-	-	-	-	-	1,143	1,164	1,186	1,208	1,231	1,254
12 Net Power Costs	\$24,061	\$22,284	\$23,837	\$25,244	\$25,740	\$26,749	\$27,275	\$28,345	\$29,054	\$30,646	\$31,246	\$32,477
13												
14 Additional COPA Revenue (\$000)		n/a	\$1,552	\$2,960	\$3,455	\$4,465	\$4,990	\$6,061	\$6,770	\$8,362	\$8,962	\$10,192
15												
16 COPA Charge (\$/kWh)	n/a	n/a	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593

Appendix B
EQUITY MANAGEMENT PLAN –
RATE ALTERNATIVE OPTION 1

Okanogan County PUD

2013 Equity Management Plan Update - Option 1



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Okanogan County PUD
2013 Equity Management Plan
Summary of Results

Line	Historical			Projected										Avg. Annual Rate Change 2012 - 2022	
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
Scenario: Option 1															
1	Unit Revenue from Retail Sales (¢/kWh)	5.10	5.46	6.13	6.72	8.16	8.84	9.01	9.09	9.25	9.36	9.60	9.69	9.87	
2	Increase over Previous Year	6.4%	7.0%	12.1%	9.8%	21.3%	8.4%	1.8%	0.9%	1.8%	1.1%	2.6%	0.9%	1.9%	4.9%
3	Base Retail Rate Change (Effective July 1) (1)	0.0%	0.0%	0.0%	16.0%	16.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
4	Equity to Total Assets	63.2%	64.0%	64.8%	64.6%	51.5%	53.8%	48.4%	49.9%	51.4%	52.9%	54.5%	56.1%	57.6%	
5	Cash (Year End) (\$000)	\$7,619	\$9,782	\$4,416	\$1,031	\$24,799	\$12,574	\$15,217	\$12,223	\$10,940	\$8,901	\$9,220	\$10,758	\$13,214	
6	Days of Working Capital on Hand	74	95	43	9	203	101	118	91	79	63	62	71	85	
7	Debt Service Coverage	0.77	1.36	1.47	1.25	1.77	2.47	2.02	1.77	1.78	1.78	1.78	1.79	1.97	
8	Operating TIER	(4.99)	(0.10)	(0.75)	(1.94)	0.97	1.99	1.38	1.05	1.00	0.97	0.92	0.90	0.88	
9	Total TIER	(2.11)	0.46	0.96	0.29	1.63	2.69	1.91	1.61	1.59	1.60	1.59	1.62	1.68	

Okanogan County PUD
2013 Equity Management Plan
Table 1 - Summary of Results and Assumptions

Scenario: Option 1

Line SUMMARY OF RESULTS	Historical			Projected										Avg. Annual Rate Change 2012 - 2022
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
1 Unit Revenue from Retail Sales (¢/kWh)	5.10	5.46	6.13	6.72	8.16	8.84	9.01	9.09	9.25	9.36	9.60	9.69	9.87	
2 Increase over Previous Year	6.4%	7.0%	12.1%	9.8%	21.3%	8.4%	1.8%	0.9%	1.8%	1.1%	2.6%	0.9%	1.9%	4.9%
3 Necessary Retail Rate Change (Effective July 1)	0.0%	0.0%	0.0%	16.0%	16.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
4 Equity to Total Assets	63.2%	64.0%	64.8%	64.6%	51.5%	53.8%	48.4%	49.9%	51.4%	52.9%	54.5%	56.1%	57.6%	
5 Cash (Year End) (\$000)	\$7,619	\$9,782	\$4,416	\$1,031	\$24,799	\$12,574	\$15,217	\$12,223	\$10,940	\$8,901	\$9,220	\$10,758	\$13,214	
6 Days of Working Capital on Hand	74	95	43	9	203	101	118	91	79	63	62	71	85	
7 Debt Service Coverage Ratio (DSCR)	0.77	1.36	1.47	1.25	1.77	2.47	2.02	1.77	1.78	1.78	1.78	1.79	1.97	
8 Operating TIER	(4.99)	(0.10)	(0.75)	(1.94)	0.97	1.99	1.38	1.05	1.00	0.97	0.92	0.90	0.88	
9 Total TIER	(2.11)	0.46	0.96	0.29	1.63	2.69	1.91	1.61	1.59	1.60	1.59	1.62	1.68	
Line ASSUMPTIONS														
10 General Inflation (1)	2.20%													
11 Inflation for Other Operating Revenues (2)	1.50%													
12 Customer Service Inflation (2)	2.20%													
13 Power Supply and Costs - Scenario Selection	Base Case													
14 Borrowing Assumptions - Enloe Dam														
15 Interest Rate - Co Bank	4.0%													
16 Term (Years)	40													
17 Borrowing Assumptions - Non-Enloe Dam														
18 Interest Rate	5.0%													
19 Term (Years)	20													
20 2013 Effective Energy/Demand Rates (\$/kWh)														
21 Residential	0.05849													
22 General Service	0.05826													
23 Industrial	0.05618													
24 Irrigation	0.04611													
25 Frost Control	0.02874													
26 Street Lighting	0.09958													

Okanogan County PUD
2013 Equity Management Plan
Table 1 - Summary of Results and Assumptions

Scenario: Option 1

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
27 Capital Improvements (\$000) - 2012\$ (3)											
28 Funded with Bonds											
29 Enloe Dam License/Construction	3,049	1,600	10,550	20,000	0	0	0	0	0	0	35,199
30 Funded with Revenue and/or Reserves											
31 Normal Replacements & Additions	2,916	2,065	2,175	1,925	1,995	2,040	2,790	2,850	3,000	3,000	24,756
32 PT Transmission Line	2,500	6,500	0	0	0	0	0	0	0	0	9,000
33 Gold Creek Substation Construction	500	0	0	0	0	0	0	0	0	0	500
34 Aeneas to Tonasket 115kV Transmission Line Construction	0	0	0	0	0	300	2,400	0	0	0	2,700
35 Aeneas Valley Substation	0	0	0	0	0	0	0	1,200	0	0	1,200
36 Tonasket Substation Addition	0	2,200	1,400	0	0	0	0	0	0	0	3,600
37 Okanogan to Brewster 115kV Transmission Line Replacement	0	0	0	0	3,300	0	0	0	0	0	3,300
38 Sandflat Substation Addition	0	0	0	750	0	0	0	0	0	0	750
39 Ophir to Monse 115kV Transmission Line	0	300	2,000	0	0	0	0	0	0	0	2,300
40 Monse Substation Construction	0	0	0	1,500	0	0	0	0	0	0	1,500
41 Loup Loup Substation Addition / MOS and Power Transformer	0	0	0	0	0	750	0	0	0	0	750
42 Facilities	2,020	550	410	0	660	1,500	60	0	200	0	5,400
43 Mobile Substation and Power Transformer Replacements	0	0	750	0	0	0	750	0	0	0	1,500
44 SCADA	0	60	60	60	60	60	60	60	60	60	540
45 Vehicle Replacements and New	634	680	580	350	685	465	360	230	165	75	4,224
46 Distribution Projects (No projects planned after 2020 at this time)	0	935	825	1,075	1,005	960	210	150	0	0	5,160
47 Other Capital Additions											0
48 Total	\$11,619	\$14,890	\$18,750	\$25,660	\$7,705	\$6,075	\$6,630	\$4,490	\$3,425	\$3,135	\$102,379
49 Check				-	-	-	-	-	-	-	
50 Target DSCR	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	
51 Target Operating TIER	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
52 Target Total TIER	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	
53 Target Working Capital (Days of O&M)	60	60	60	60	60	60	60	60	60	60	

Notes:

- (1) Sources: Projected long term growth rate of GDP Price Index per October 2012 Blue Chip Economic Indicator report.
- (2) Per OKPUD staff, email on 7/17/12
- (3) The 2013 CIP budget is in 2013 dollars. 2013 Budget Source: Capital Outlay 2012 and 2013 Rev.xlsx, 2014-2022 Source: EMP Estimate.xlsx.

Okanogan County PUD
 2013 Equity Management Plan
 Table 2 - Projected Revenues at Existing Rates

Scenario: Option 1

Line	Historical (1)			Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
SALES (MWh)													
1 Residential	289,163	324,538	289,640	295,092	298,892	302,730	306,606	310,521	314,476	318,469	322,503	326,577	330,692
2 General Service	197,733	202,557	204,212	206,255	208,317	210,400	212,504	214,629	216,776	218,943	221,133	223,344	225,578
3 Industrial	21,602	21,141	20,584	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409
4 Irrigation	59,820	60,318	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773
5 Frost Control	438	517	358	358	358	358	358	358	358	358	358	358	358
6 Street Lighting	1,340	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360
7 Total Retail Sales	570,097	610,431	580,927	586,247	592,110	598,031	604,011	610,051	616,152	622,313	628,536	634,822	641,170
8 Sales for Resale	213,866	357,255	267,366	163,437	157,097	150,694	144,227	182,659	176,062	169,398	162,669	155,872	149,008
9 Adjustment	0	0	0	-	-	-	-	-	-	-	-	-	-
10 Total Energy Sales	783,963	967,686	848,293	749,684	749,207	748,725	748,238	792,710	792,213	791,712	791,205	790,694	790,178
CUSTOMER ACCOUNTS													
11 Residential	16,857	16,840	16,937	17,106	17,277	17,450	17,625	17,801	17,979	18,159	18,340	18,524	18,709
12 General Service	2,378	2,367	2,377	2,401	2,425	2,449	2,474	2,498	2,523	2,548	2,574	2,600	2,626
13 Industrial	4	4	4	3	3	3	3	3	3	3	3	3	3
14 Irrigation	1,207	1,198	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
15 Frost Control	134	136	140	140	140	140	140	140	140	140	140	140	140
16 Street Lighting	21	21	21	21	21	21	21	21	21	21	21	21	21
17 Total Customer Accounts	20,601	20,566	20,679	20,871	21,066	21,263	21,462	21,663	21,866	22,071	22,278	22,487	22,699
CUSTOMER HP RATING (IRR./FROST CONTROL)													
18 Irrigation													
19 0 - 74.9 HP	17,177	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
20 75+ HP	27,190	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
21 Total HP	44,367	45,761	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
22 Frost Control	10,433	12,096	12,208	12,269	12,331	12,392	12,454	12,517	12,579	12,642	12,705	12,769	12,833
MONTHLY USAGE PER CUSTOMER ACCOUNT (kWh)													
23 Residential	1,429	1,606	1,425	1,438	1,442	1,446	1,450	1,454	1,458	1,462	1,465	1,469	1,473
24 General Service	6,929	7,131	7,159	7,159	7,159	7,159	7,159	7,159	7,159	7,159	7,159	7,159	7,159
25 Industrial	450,046	440,438	428,827	511,374	511,374	511,374	511,374	511,374	511,374	511,374	511,374	511,374	511,374
26 Irrigation	4,130	4,196	4,498	4,498	4,498	4,498	4,498	4,498	4,498	4,498	4,498	4,498	4,498
27 Frost Control	272	317	213	213	213	213	213	213	213	213	213	213	213
28 Street Lighting	5,318	5,397	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396
EXISTING RATES - CUSTOMER CHARGE (\$/customer/month)													
29 Residential	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
30 General Service	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
31 Industrial	417.50	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
32 Irrigation	0.00	0.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
33 Frost Control	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34 Street Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Okanogan County PUD
2013 Equity Management Plan
Table 2 - Projected Revenues at Existing Rates

Scenario: Option 1

Line	Historical (1)			Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
EXISTING RATES - AVERAGE ENERGY AND DEMAND RATE (\$/kWh)													
35 Residential	\$0.04475	\$0.04925	\$0.05571	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849
36 General Service	0.05325	0.05592	0.05677	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826
37 Industrial	0.04456	0.04944	0.05258	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618
38 Irrigation	0.02870	0.02749	0.04065	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611
39 Frost Control	0.05960	0.04295	0.03870	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874
40 Street Lighting	0.09459	0.09154	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958
EXISTING RATES - COPA (\$/kWh)													
41 Residential	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
42 General Service	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
43 Industrial	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
44 Irrigation	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
45 Frost Control	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
46 Street Lighting	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
EXISTING RATES - FACILITIES CHARGE (\$/HP) -- IRR. AND FROST CONTROL													
47 Irrigation													
48 0 - 74.9 HP	\$10.85	\$14.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
49 75+ HP	7.00	14.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
50 Frost Control	3.73	4.13	4.38	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
RETAIL REVENUES AT EXISTING RATES - EXCLUDES COPA													
51 Residential	\$14,961,740	\$18,003,321	\$18,167,523	\$19,311,279	\$19,554,046	\$19,799,241	\$20,046,887	\$20,297,010	\$20,549,634	\$20,804,785	\$21,062,487	\$21,322,766	\$21,585,648
52 General Service	10,872,507	11,667,321	11,935,462	12,361,095	12,484,706	12,609,553	12,735,648	12,863,005	12,991,635	13,121,551	13,252,767	13,385,294	13,519,147
53 Industrial	982,598	1,048,770	1,085,905	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906
54 Irrigation	2,093,757	2,299,074	2,805,886	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505
55 Frost Control	64,968	72,102	67,274	65,507	65,783	66,060	66,339	66,619	66,901	67,184	67,469	67,754	68,042
56 Street Lighting	126,761	124,492	135,393	135,393	135,393	135,393	135,393	135,393	135,393	135,393	135,393	135,393	135,393
57 Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	1
58 Total Revenue from Retail Sales	\$29,102,332	\$33,215,081	\$34,197,442	\$35,997,683	\$36,364,337	\$36,734,656	\$37,108,677	\$37,486,437	\$37,867,973	\$38,253,323	\$38,642,525	\$39,035,618	\$39,432,641
COPA REVENUES													
59 Residential	\$0	\$86,380	\$695,136	\$783,181	\$1,497,552	\$1,753,079	\$2,271,638	\$2,545,805	\$3,100,244	\$3,472,237	\$4,299,819	\$4,620,166	\$5,268,072
60 General Service	0	50,465	490,110	547,404	1,043,740	1,218,407	1,574,439	1,759,635	2,137,073	2,387,116	2,948,285	3,159,704	3,593,553
61 Industrial	0	3,907	49,401	48,859	92,238	106,607	136,395	150,930	181,489	200,716	245,447	260,443	293,271
62 Irrigation	0	0	155,456	171,909	324,536	375,095	479,903	531,042	638,563	706,215	863,597	916,362	1,031,866
63 Frost Control	0	0	860	951	1,795	2,074	2,654	2,937	3,531	3,905	4,776	5,068	5,706
64 Street Lighting	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Total COPA Revenues	\$0	\$140,751	\$1,390,961	\$1,552,304	\$2,959,861	\$3,455,262	\$4,465,029	\$4,990,348	\$6,060,900	\$6,770,190	\$8,361,923	\$8,961,743	\$10,192,469
67 Total Revenue for Retail Sales + COPA	\$29,102,332	\$33,355,832	\$35,588,403	\$37,549,987	\$39,324,198	\$40,189,918	\$41,573,706	\$42,476,785	\$43,928,873	\$45,023,513	\$47,004,448	\$47,997,361	\$49,625,110
68 Percent Change	-4.8%	14.6%	6.7%	5.5%	4.7%	2.2%	3.4%	2.2%	3.4%	2.5%	4.4%	2.1%	3.4%
69 Unit Revenue at Existing Rates (cents/kWh)													
70 Retail Rates	5.10	5.46	6.13	6.41	6.64	6.72	6.88	6.96	7.13	7.23	7.48	7.56	7.74

Note:
(1) Source: Revenue Stats 2005 - 12312012 (Operating Data 6c) Feb 2013.xls

Okanogan County PUD
 2013 Equity Management Plan
 Table 3 - Income Statement - Accrual Basis
 (\$000)

Scenario: Option 1

Line	Historical (1)			Budget												
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022			
1	Operating Revenue															
2	Retail Rate Revenues at Existing Rates			\$29,102	\$33,215	\$34,197	\$35,998	\$36,364	\$36,735	\$37,109	\$37,486	\$37,868	\$38,253	\$38,643	\$39,036	\$39,433
	Future Base Rate Increases															
3		% of Base	Months													
4	Year	Sales Revenue	Effective													
5	2013	16.0%	4	1,870	5,818	5,878	5,937	5,998	6,059	6,120	6,183	6,246	6,309			
6	2014	16.0%	6		3,173	6,818	6,887	6,957	7,028	7,100	7,172	7,245	7,319			
7	2015	0.0%	6			0	0	0	0	0	0	0	0			
8	2016	0.0%	6				0	0	0	0	0	0	0			
9	2017	0.0%	6					0	0	0	0	0	0			
10	2018	0.0%	6						0	0	0	0	0			
11	2019	0.0%	6							0	0	0	0			
12	2020	0.0%	6								0	0	0			
13	2021	0.0%	6									0	0			
14	2022	0.0%	6										0			
15	Sales for Resale Revenue			\$5,802	\$6,742	\$3,532	\$2,641	\$2,577	\$2,509	\$2,437	\$3,133	\$3,065	\$2,993	\$2,917	\$2,837	\$2,753
16	COPA Revenues			0	141	1,391	1,552	2,960	3,455	4,465	4,990	6,061	6,770	8,362	8,962	10,192
17	Other Revenues			992	924	830	727	738	749	760	771	783	795	807	819	831
18	Total Operating Revenues			\$35,896	\$41,021	\$39,950	\$42,788	\$51,629	\$56,144	\$57,596	\$59,335	\$60,864	\$62,031	\$64,084	\$65,145	\$66,838
19	Operating Expenses															
20	Production			\$85	\$113	\$83	\$108	\$111	\$113	\$115	\$118	\$121	\$124	\$127	\$130	\$133
21	Purchased Power			23,896	24,061	22,284	23,837	25,244	25,740	26,749	28,417	29,509	30,240	31,854	32,476	33,730
22	Other Power Supply			521	687	832	1,086	1,110	1,134	1,159	1,184	1,210	1,237	1,264	1,292	1,320
23	Transmission			82	34	40	52	53	54	55	56	57	58	59	60	61
24	Distribution			5,381	4,721	5,427	7,088	7,244	7,403	7,566	7,732	7,902	8,076	8,254	8,436	8,622
25	Consumer Accounting			1,285	1,344	1,348	1,761	1,800	1,840	1,880	1,921	1,963	2,006	2,050	2,095	2,141
26	Customer Service & Information			677	509	747	976	997	1,019	1,041	1,064	1,087	1,111	1,135	1,160	1,186
27	Admin. & General			3,728	3,864	4,094	5,348	5,465	5,585	5,708	5,834	5,962	6,093	6,227	6,364	6,504
28	Tax Expense			1,829	2,127	2,210	2,360	2,474	2,528	2,615	2,672	2,763	2,832	2,957	3,019	3,122
29	Depreciation/Amortization			3,067	3,756	3,866	3,812	4,002	4,436	4,793	5,925	6,207	6,406	6,652	6,805	6,916
30	Total Cost of Electric Service			\$40,552	\$41,215	\$40,931	\$46,427	\$48,500	\$49,852	\$51,682	\$54,923	\$56,782	\$58,183	\$60,579	\$61,838	\$63,735
31	Net Operating Revenues			(\$4,656)	(\$194)	(\$981)	(\$3,639)	\$3,129	\$6,292	\$5,914	\$4,412	\$4,082	\$3,848	\$3,505	\$3,307	\$3,102
32	Other Income			401	564	1,323	991	979	975	975	975	975	975	975	975	975
33	Interest Expense			(932)	(1,970)	(1,302)	(1,875)	(3,235)	(3,161)	(4,280)	(4,201)	(4,086)	(3,955)	(3,819)	(3,677)	(3,515)
34	Debt Issuance Expense and Discount			(60)	(95)	(85)	(85)	(85)	(85)	(85)	(85)	(85)	(85)	(85)	(80)	(35)
35	Other Deductions			(50)	(351)	0	0	0	0	0	0	0	0	0	0	0
36	Contributions in Aid of Construction (2)			996	975	992	1,104	1,260	1,323	1,389	1,459	1,532	1,608	1,689	1,773	1,862
37	Use of Rate Stabilization Funds			1,400	0	0	2,175	0	0	0	0	0	0	0	0	0
38	Net Income (Loss)			(\$2,901)	(\$1,071)	(\$53)	(\$1,329)	\$2,049	\$5,344	\$3,914	\$2,560	\$2,419	\$2,392	\$2,265	\$2,298	\$2,390
39	Total Retail Energy Sales (MWh)			570,097	610,431	580,927	586,247	592,110	598,031	604,011	610,051	616,152	622,313	628,536	634,822	641,170
40	Unit Revenue from Retail Sales (¢/kWh)			5.10	5.46	6.13	6.72	8.16	8.84	9.01	9.09	9.25	9.36	9.60	9.69	9.87
41	Increase over Previous Year			6.4%	7.0%	12.1%	9.8%	21.3%	8.4%	1.8%	0.9%	1.8%	1.1%	2.6%	0.9%	1.9%
42	Necessary Retail Rate Change					0.0%	16.0%	16.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
43	DSC Ratio			0.77	1.36	1.47	1.25	1.77	2.47	2.02	1.77	1.78	1.78	1.78	1.79	1.97
44	Operating TIER			(4.99)	(0.10)	(0.75)	(1.94)	0.97	1.99	1.38	1.05	1.00	0.97	0.92	0.90	0.88
45	Total TIER			(2.11)	0.46	0.96	0.29	1.63	2.69	1.91	1.61	1.59	1.60	1.59	1.62	1.68
46	Working Capital (Days of O&M)			74	95	43	9	203	101	118	91	79	63	62	71	85

Note:

- (1) Sources: 2010 - 2011 Financial and Statistical Reports, Draft 2012 Financial and Statistical Report
- (2) Sources: EMP 2011 CIAC.xlsx

Okanogan County PUD
2013 Equity Management Plan
Table 4 - Pro-Forma Balance Sheet as of December 31
(\$'000)

Scenario: Option 1

Line	Historical (1)			Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
ASSETS AND OTHER DEBITS													
1	\$137,519	\$141,269	\$146,711	\$157,340	\$171,903	\$190,927	\$217,931	\$225,532	\$231,464	\$238,195	\$242,549	\$245,725	\$248,632
2	(52,369)	(53,648)	(56,805)	(59,627)	(62,639)	(66,085)	(69,888)	(74,823)	(80,040)	(85,456)	(91,118)	(96,933)	(102,859)
3	\$85,150	\$87,621	\$89,906	\$97,713	\$109,264	\$124,842	\$148,043	\$150,709	\$151,424	\$152,739	\$151,431	\$148,792	\$145,773
4													
5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	2,150	1,979	1,799	1,799	1,799	1,799	1,799	1,799	1,799	1,799	1,799	1,799	1,799
7	\$2,150	\$1,979	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799
8	Current Assets												
9	\$2,832	\$3,763	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818
10	15	15	15	15	15	15	15	15	15	15	15	15	15
11	4,773	6,004	2,582	(803)	22,966	10,741	13,383	10,389	9,107	7,068	7,387	8,925	11,380
12	2,321	1,996	2,189	2,189	2,189	2,189	2,189	2,189	2,189	2,189	2,189	2,189	2,189
13	6,302	5,990	6,835	6,835	6,835	6,835	6,835	6,835	6,835	6,835	6,835	6,835	6,835
14	\$16,243	\$17,768	\$13,440	\$10,055	\$33,823	\$21,599	\$24,241	\$21,247	\$19,964	\$17,925	\$18,244	\$19,783	\$22,238
15	Restricted Current Assets												
16	\$567	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290
17	450	600	600	600	600	600	600	600	600	600	600	600	600
18	1,100	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400
19	0	0	1,945	1,945	1,945	1,945	1,945	1,945	1,945	1,945	1,945	1,945	1,945
20	14,898	9,263	7,266	0	0	0	0	0	0	0	0	0	0
21	6,135	6,135	6,135	3,810	3,810	3,810	3,810	3,810	3,810	3,810	3,810	3,810	3,810
22	\$23,150	\$17,687	\$17,635	\$8,044	\$8,044	\$8,044	\$8,044	\$8,044	\$8,044	\$8,044	\$8,044	\$8,044	\$8,044
23	Deferred Debits												
24	\$415	\$389	\$370	\$351	\$333	\$314	\$295	\$276	\$257	\$238	\$220	\$201	\$182
25	845	770	695	620	545	470	395	321	246	171	96	25	0
26	2,987	2,222	3,882	3,882	3,882	3,882	3,882	3,882	3,882	3,882	3,882	3,882	3,882
27	\$130,940	\$128,436	\$127,728	\$122,466	\$157,691	\$160,951	\$186,700	\$186,278	\$185,617	\$184,799	\$183,716	\$182,526	\$181,919
EQUITIES AND LIABILITIES													
28	Net Assets												
29	\$14,898	\$9,263	\$7,266	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30	0	0	2,078	2,078	2,078	2,078	2,078	2,078	2,078	2,078	2,078	2,078	2,078
31	6,135	6,135	6,250	3,925	3,925	3,925	3,925	3,925	3,925	3,925	3,925	3,925	3,925
32	4,000	4,000	3,036	3,036	3,036	3,036	3,036	3,036	3,036	3,036	3,036	3,036	3,036
33	46,144	51,208	52,584	58,522	60,571	65,915	69,829	72,389	74,808	77,200	79,465	81,763	84,153
34	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558
35	\$82,735	\$82,164	\$82,772	\$79,118	\$81,168	\$86,512	\$90,426	\$92,986	\$95,405	\$97,797	\$100,062	\$102,360	\$104,750
36	Non-Current Liabilities												
37	\$39,595	\$38,040	\$36,440	\$34,425	\$67,550	\$65,394	\$86,421	\$83,351	\$80,150	\$76,811	\$73,332	\$70,344	\$70,344
38	363	357	347	338	329	320	311	302	293	283	274	265	256
39	\$39,958	\$38,397	\$36,787	\$34,763	\$67,879	\$65,714	\$86,732	\$83,653	\$80,443	\$77,094	\$73,606	\$70,609	\$70,609
40	Current and Accrued Liabilities												
41	\$625	\$247	\$188	\$188	\$188	\$188	\$188	\$188	\$188	\$188	\$188	\$188	\$188
42	3,344	3,126	3,283	3,283	3,283	3,283	3,283	3,283	3,283	3,283	3,283	3,283	3,283
43	822	944	969	969	969	969	969	969	969	969	969	969	969
44	78	85	86	86	86	86	86	86	86	86	86	86	86
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	\$4,869	\$4,402	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527
47	Current Liab. Payable from Restricted Assets												
48	\$1,190	\$1,555	\$1,600	\$2,015	\$2,075	\$2,156	\$2,973	\$3,070	\$3,201	\$3,339	\$3,479	\$2,988	\$0
49	431	160	156	156	156	156	156	156	156	156	156	156	156
50	1,199	1,191	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350
51	558	568	535	535	535	535	535	535	535	535	535	535	535
52	\$3,378	\$3,474	\$3,642	\$4,057	\$4,117	\$4,198	\$5,015	\$5,112	\$5,243	\$5,381	\$5,521	\$5,030	\$2,042
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	\$130,939	\$128,436	\$127,728	\$122,465	\$157,690	\$160,951	\$186,700	\$186,278	\$185,617	\$184,799	\$183,716	\$182,526	\$181,919
FINANCIAL RATIOS													
55	63.2%	64.0%	64.8%	64.6%	51.5%	53.8%	48.4%	49.9%	51.4%	52.9%	54.5%	56.1%	57.6%
56	74	95	43	9	203	101	118	91	79	63	62	71	85

Note:

(1) Sources: 2010 - 2011 Financial and Statistical Reports, Draft 2012 Financial and Statistical Report

Okanogan County PUD
2013 Equity Management Plan
Table 5 - Statement of Operations - Cash Basis
(\$000)

Scenario: Option 1

Line	Projected									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1 Total Net Operating Revenues	(\$3,639)	\$3,129	\$6,292	\$5,914	\$4,412	\$4,082	\$3,848	\$3,505	\$3,307	\$3,102
2 Add: Depreciation	3,812	4,002	4,436	4,793	5,925	6,207	6,406	6,652	6,805	6,916
3 Add: Other Income	991	979	975	975	975	975	975	975	975	975
4 Add: Use of Rate Stabilization Fund	2,175	0	0	0	0	0	0	0	0	0
5 Cash from Operations	\$3,339	\$8,111	\$11,703	\$11,683	\$11,312	\$11,265	\$11,229	\$11,133	\$11,087	\$10,994
6 Debt Service - Long Term										
7 Existing - Interest	\$1,875	\$1,827	\$1,768	\$1,702	\$1,639	\$1,577	\$1,502	\$1,424	\$1,342	\$1,244
8 Existing - Principal	1,600	1,645	1,690	1,755	1,830	1,875	1,950	2,030	2,110	1,555
9 New - Interest	0	1,408	1,393	2,578	2,562	2,509	2,453	2,395	2,335	2,271
10 New - Principal	0	370	385	401	1,143	1,195	1,251	1,309	1,369	1,433
11 Total Debt Service	\$3,475	\$5,250	\$5,236	\$6,436	\$7,174	\$7,156	\$7,156	\$7,158	\$7,156	\$6,503
12 Cash Margins After Debt Service	(\$136)	\$2,861	\$6,467	\$5,247	\$4,138	\$4,109	\$4,073	\$3,975	\$3,931	\$4,491
13 Cash from Investing Activities										
14 Total Additions and Replacements	(10,515)	(14,292)	(18,692)	(26,605)	(7,132)	(5,391)	(6,113)	(3,655)	(2,393)	(2,036)
15 Cash from Financing Activities										
16 Proceeds from Long Term Debt	0	35,200	0	24,000	0	0	0	0	0	0
17 Proceeds from Bond Construction Funds	7,266	0	0	0	0	0	0	0	0	0
18 Cash from Investing and Financing Activities	(3,249)	20,908	(18,692)	(2,605)	(7,132)	(5,391)	(6,113)	(3,655)	(2,393)	(2,036)
19 Net Cash	(3,385)	23,769	(12,225)	2,642	(2,994)	(1,282)	(2,039)	319	1,538	2,455
FINANCIAL RATIOS										
20 Debt Service Coverage	1.25	1.77	2.47	2.02	1.77	1.78	1.78	1.78	1.79	1.97

Okanogan County PUD
2013 Equity Management Plan
Table 6 - General Funds Summary
(\$000)

Scenario: Option 1

Line	Projected									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
SOURCES OF GENERAL FUNDS										
1	\$19,904	\$6,928	\$30,697	\$18,472	\$21,114	\$18,120	\$16,838	\$14,798	\$15,117	\$16,656
2	(136)	2,861	6,467	5,247	4,138	4,109	4,073	3,975	3,931	4,491
3	0	35,200	0	24,000	0	0	0	0	0	0
4	(2,325)	0	0	0	0	0	0	0	0	0
5	\$17,443	\$44,989	\$37,164	\$47,718	\$25,252	\$22,228	\$20,911	\$18,773	\$19,049	\$21,147
USES OF GENERAL FUNDS										
6	7,266	35,200	0	24,000	0	0	0	0	0	0
7	3,249	(20,908)	18,692	2,605	7,132	5,391	6,113	3,655	2,393	2,036
8	0	0	0	0	0	0	0	0	0	0
9	\$10,515	\$14,292	\$18,692	\$26,605	\$7,132	\$5,391	\$6,113	\$3,655	\$2,393	\$2,036
10	\$6,928	\$30,697	\$18,472	\$21,114	\$18,120	\$16,838	\$14,798	\$15,117	\$16,656	\$19,111

Notes

	2012
(1) Components of general funds as of December 31 were:	
Sinking Funds	\$290
Rate Stabilization Fund	6,135
Employee Compensated Absences Fund	1,400
Customer Deposit Fund	600
Revenue Fund Less Warrants Outstanding	1,631
Temporary Cash Investments	2,582
Bond Construction Funds	7,266
Total	\$19,904

Okanogan County PUD
2013 Equity Management Plan
Table 7 - Plant Investment and Depreciation Expense
(\$000)

Scenario: Option 1

Line	Projected									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
UTILITY PLANT										
1	\$146,711	\$157,340	\$171,903	\$190,927	\$217,931	\$225,532	\$231,464	\$238,195	\$242,549	\$245,725
2	Additions and Replacements - CIP Inflation Adjusted									
3	Funded with Bonds									
4	3,049	1,671	11,262	21,819	0	0	0	0	0	0
5	Funded with Revenue and/or Reserves									
6	Normal Replacements & Additions									
7	2,916	2,157	2,322	2,100	2,224	2,325	3,249	3,392	3,649	3,729
8	2,500	6,789	0	0	0	0	0	0	0	0
9	500	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	342	2,795	0	0	0
11	0	0	0	0	0	0	0	1,428	0	0
12	0	2,298	1,494	0	0	0	0	0	0	0
13	0	0	0	0	3,679	0	0	0	0	0
14	0	0	0	818	0	0	0	0	0	0
15	0	313	2,135	0	0	0	0	0	0	0
16	0	0	0	1,636	0	0	0	0	0	0
17	0	0	0	0	0	855	0	0	0	0
18	2,020	574	438	0	736	1,709	70	0	243	0
19	0	0	801	0	0	0	873	0	0	0
20	0	63	64	65	67	68	70	71	73	75
21	634	710	619	382	764	530	419	274	201	93
22	0	977	881	1,173	1,121	1,094	245	179	0	0
23	0	0	0	0	0	0	0	0	0	0
24	\$11,619	\$15,552	\$20,015	\$27,994	\$8,591	\$6,922	\$7,721	\$5,344	\$4,166	\$3,897
25	990	990	990	990	990	990	990	990	990	990
26	\$157,340	\$171,903	\$190,927	\$217,931	\$225,532	\$231,464	\$238,195	\$242,549	\$245,725	\$248,632
27	Net Additions and Replacements									
28	Distribution									
29	\$6,070	\$6,779	\$6,618	\$6,175	\$4,911	\$6,580	\$4,926	\$5,344	\$4,166	\$3,897
30	Other Generation & Transmission									
31	5,549	8,774	13,397	21,819	3,679	342	2,795	-	-	-
32	\$11,619	\$15,552	\$20,015	\$27,994	\$8,591	\$6,922	\$7,721	\$5,344	\$4,166	\$3,897

Okanogan County PUD
2013 Equity Management Plan
Table 7 - Plant Investment and Depreciation Expense
(\$000)

Scenario: Option 1

Line		Projected									
		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
	DEPRECIATION EXPENSE										
30	Funded with Bonds										
31	Enloe Dam License/Construction	2.50%	0	0	0	0	945	945	945	945	945
32	Funded with Revenue and/or Reserves										
33	Normal Replacements & Additions	3.00%	0	87	152	222	285	352	421	519	621
34	PT Transmission Line	3.00%	0	0	279	279	279	279	279	279	279
35	Gold Creek Substation Construction	3.00%	0	15	15	15	15	15	15	15	15
36	Aeneas to Tonasket 115kV Transmission Line Construction	3.00%	0	0	0	0	0	0	94	94	94
37	Aeneas Valley Substation	3.00%	0	0	0	0	0	0	0	43	43
38	Tonasket Substation Addition	3.00%	0	0	0	114	114	114	114	114	114
39	Okanogan to Brewster 115kV Transmission Line Replacement	3.00%	0	0	0	0	110	110	110	110	110
40	Sandflat Substation Addition	3.00%	0	0	0	0	25	25	25	25	25
41	Ophir to Monse 115kV Transmission Line	3.00%	0	0	0	73	73	73	73	73	73
42	Monse Substation Construction	3.00%	0	0	0	0	49	49	49	49	49
43	Loup Loup Substation Addition / MOS and Power Transformer	3.00%	0	0	0	0	0	0	26	26	26
44	Facilities	2.50%	0	51	65	76	76	94	137	139	145
45	Mobile Substation and Power Transformer Replacements	3.00%	0	0	0	24	24	24	50	50	50
46	SCADA	3.00%	0	0	2	4	6	8	10	12	14
47	Vehicle Replacements and New	10.00%	0	63	134	196	235	311	364	406	453
48	Distribution Projects (District) (No projects planned after 2020 at this time)	3.00%	0	0	29	56	91	125	157	165	170
49	Existing Plant	2.62%	3,812	3,786	3,760	3,734	3,708	3,683	3,657	3,631	3,605
50	Total Depreciation Expense		\$3,812	\$4,002	\$4,436	\$4,793	\$5,925	\$6,207	\$6,406	\$6,652	\$6,805
51	Less Depreciation in Other Accounts		0	0	0	0	0	0	0	0	0
52	Net Depreciation Expense		\$3,812	\$4,002	\$4,436	\$4,793	\$5,925	\$6,207	\$6,406	\$6,652	\$6,805
53	2012 ESTIMATED DEPRECIATION RATE ON EXISTING PLANT										
54	Total Utility Plant in Service (EOY)	146,711									
55	Depreciation Expense	3,838									
56	Estimated Average Depreciation Rate	2.62%									
57	ESTIMATED PLANT IN SERVICE - EXISTING PLANT										
58	Total Existing Plant in Service (BOY)	146,711	145,721	144,731	143,741	142,751	141,761	140,771	139,781	138,791	137,801
59	Retirements	990	990	990	990	990	990	990	990	990	990
60	Total Existing Plant in Service (EOY)	145,721	144,731	143,741	142,751	141,761	140,771	139,781	138,791	137,801	136,811
61	Estimated Depreciation Expense on Existing Plant	3,812	3,786	3,760	3,734	3,708	3,683	3,657	3,631	3,605	3,579

Okanogan County PUD
2013 Equity Management Plan
Table 8 - Long-Term Debt and Debt Service
(\$000)

Scenario: Option 1

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
Projected											
EXISTING LONG TERM DEBT											
1	Balance (Beg Yr)	\$38,040	\$36,440	\$34,795	\$33,105	\$31,350	\$29,520	\$27,645	\$25,695	\$23,665	\$21,555
2	Principal Repayments	1,600	1,645	1,690	1,755	1,830	1,875	1,950	2,030	2,110	1,555
3	Balance (End Yr)	\$36,440	\$34,795	\$33,105	\$31,350	\$29,520	\$27,645	\$25,695	\$23,665	\$21,555	\$20,000
EXISTING DEBT INTEREST AND PRINCIPAL PAYMENTS											
4	Interest										
5	2003 Bonds	\$321	\$293	\$261	\$228	\$192	\$158	\$130	\$101	\$70	\$36
6	2010 Bonds	1,554	1,534	1,507	1,475	1,447	1,419	1,372	1,323	1,272	1,208
7	Total Interest	\$1,875	\$1,827	\$1,768	\$1,702	\$1,639	\$1,577	\$1,502	\$1,424	\$1,342	\$1,244
8	Principal										
9	2003 Bonds	\$555	\$580	\$615	\$650	\$685	\$700	\$730	\$760	\$790	\$825
10	2010 Bonds	1,045	1,065	1,075	1,105	1,145	1,175	1,220	1,270	1,320	730
11	Total Principal	\$1,600	\$1,645	\$1,690	\$1,755	\$1,830	\$1,875	\$1,950	\$2,030	\$2,110	\$1,555
FUNDING REQUIREMENTS											
12	Capital Funding Requirements (1)	\$10,515	\$14,292	\$18,692	\$26,605	\$7,132	\$5,391	\$6,113	\$3,655	\$2,393	\$2,036
13	Refinancing Requirements	0	0	0	0	0	0	0	0	0	0
14	Total Funding Requirements	\$10,515	\$14,292	\$18,692	\$26,605	\$7,132	\$5,391	\$6,113	\$3,655	\$2,393	\$2,036
15	Loan Funds Advanced	0	35,200	0	24,000	0	0	0	0	0	0
16	Use of Unspent Bond Proceeds	7,266	0	0	0	0	0	0	0	0	0
17	General Funds Invested	\$3,249	(\$20,908)	\$18,692	\$2,605	\$7,132	\$5,391	\$6,113	\$3,655	\$2,393	\$2,036
NEW LONG TERM DEBT											
18	New Long Term Debt										
19	BOY Balance	\$0	\$0	\$34,830	\$34,445	\$58,044	\$56,901	\$55,706	\$54,455	\$53,146	\$51,777
20	Loan Funds Advanced	0	35,200	0	24,000	0	0	0	0	0	0
21	Interest Expense	0	1,408	1,393	2,578	2,562	2,509	2,453	2,395	2,335	2,271
22	Principal Payments	0	370	385	401	1,143	1,195	1,251	1,309	1,369	1,433
23	Total Debt Service	\$0	\$1,778	\$1,778	\$2,979	\$3,705	\$3,704	\$3,704	\$3,704	\$3,704	\$3,704
24	EOY Balance	\$0	\$34,830	\$34,445	\$58,044	\$56,901	\$55,706	\$54,455	\$53,146	\$51,777	\$50,344
TOTAL LONG TERM DEBT SERVICE											
25	Interest										
26	Existing Debt	\$1,875	\$1,827	\$1,768	\$1,702	\$1,639	\$1,577	\$1,502	\$1,424	\$1,342	\$1,244
27	New Long Term Debt	0	1,408	1,393	2,578	2,562	2,509	2,453	2,395	2,335	2,271
28	Total Interest	\$1,875	\$3,235	\$3,161	\$4,280	\$4,201	\$4,086	\$3,955	\$3,819	\$3,677	\$3,515
29	Principal										
30	Existing Debt	\$1,600	\$1,645	\$1,690	\$1,755	\$1,830	\$1,875	\$1,950	\$2,030	\$2,110	\$1,555
31	New Long Term Debt	0	370	385	401	1,143	1,195	1,251	1,309	1,369	1,433
32	Total Principal	\$1,600	\$2,015	\$2,075	\$2,156	\$2,973	\$3,070	\$3,201	\$3,339	\$3,479	\$2,988
33	Total Debt Service	\$3,475	\$5,250	\$5,236	\$6,436	\$7,174	\$7,156	\$7,156	\$7,158	\$7,156	\$6,503
34	Less Portion Allocated to Telecom	0	0	0	0	0	0	0	0	0	0
35	Total Electric System Debt Service	\$3,475	\$5,250	\$5,236	\$6,436	\$7,174	\$7,156	\$7,156	\$7,158	\$7,156	\$6,503
TOTAL LONG TERM DEBT											
34	Balance (Beg Yr)	\$38,040	\$36,440	\$69,625	\$67,550	\$89,394	\$86,421	\$83,351	\$80,150	\$76,811	\$73,332
35	Loan Funds Advanced	-	35,200	-	24,000	-	-	-	-	-	-
36	Less Principal Repayments	1,600	2,015	2,075	2,156	2,973	3,070	3,201	3,339	3,479	2,988
37	Balance (End Yr)	\$36,440	\$69,625	\$67,550	\$89,394	\$86,421	\$83,351	\$80,150	\$76,811	\$73,332	\$70,344
35 Current Portion of Long Term Debt - EOY											
36	Existing Debt	\$1,645	\$1,690	\$1,755	\$1,830	\$1,875	\$1,950	\$2,030	\$2,110	\$1,555	\$0
37	New Long Term Debt	370	385	401	1,143	1,195	1,251	1,309	1,369	1,433	0
38	Total Current Portion	\$2,015	\$2,075	\$2,156	\$2,973	\$3,070	\$3,201	\$3,339	\$3,479	\$2,988	\$0

Notes

(1) Includes CIAC

Okanogan County PUD
 2013 Equity Management Plan
 Table 9 - Energy Resources and Cost of Power

Scenario: Option 1

	Projected										Avg. Annual Increase 2013 - 2022	
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
POWER SUPPLY (MWh)												
1	Purchased Power											
2												0.0%
3	209,496	209,496	209,496	209,496	209,496	209,496	209,496	209,496	209,496	209,496	209,496	0.0%
4	286,179	286,179	286,179	286,179	286,179	286,179	286,179	286,179	286,179	286,179	286,179	0.0%
5	629	629	629	629	629	629	629	629	629	629	629	0.0%
6	258,942	258,942	258,942	258,942	258,942	258,942	258,942	258,942	258,942	258,942	258,942	0.0%
7	42,156	42,156	42,156	42,156	42,156	42,156	42,156	42,156	42,156	42,156	42,156	0.0%
8	0	0	0	0	0	0	0	0	0	0	0	n/a
9	0	0	0	0	0	0	0	0	0	0	0	n/a
9	797,402	797,402	797,402	797,402	797,402	797,402	797,402	797,402	797,402	797,402	797,402	0.0%
10	New Resources											
11	0	0	0	0	44,963	44,963	44,963	44,963	44,963	44,964	44,964	n/a
12	0	0	0	0	44,963	44,963	44,963	44,963	44,963	44,964	44,964	n/a
13	0	0	0	0	0	0	0	0	0	0	0	n/a
14	797,402	797,402	797,402	797,402	842,365	842,365	842,365	842,365	842,365	842,366	842,366	0.6%
POWER REQUIREMENTS (MWh)												
15	586,247	592,110	598,031	604,011	610,051	616,152	622,313	628,536	634,822	641,170	641,170	1.0%
16	163,437	157,097	150,694	144,227	182,659	176,062	169,398	162,669	155,872	149,008	149,008	-1.0%
17	0	0	0	0	0	0	0	0	0	0	0	n/a
18	47,718	48,195	48,677	49,164	49,655	50,152	50,653	51,160	51,672	52,188	52,188	1.0%
19	797,402	797,402	797,402	797,402	842,365	842,365	842,365	842,365	842,365	842,366	842,366	0.6%
LOSSES (MWh)												
20	6.0%	6.0%	6.1%	6.2%	5.9%	6.0%	6.0%	6.1%	6.1%	6.2%	6.2%	
POWER COSTS (\$000)												
21	Purchased Power											
22	\$6,363	\$6,789	\$6,904	\$7,197	\$7,319	\$7,629	\$7,758	\$8,086	\$8,223	\$8,572	\$8,572	3.4%
23	8,365	8,935	9,065	9,455	9,593	10,006	10,305	11,200	11,364	11,856	11,856	4.0%
24	2,139	2,341	2,376	2,481	2,518	2,630	2,669	2,788	2,830	2,955	2,955	3.7%
25	4,143	4,267	4,395	4,527	4,663	4,803	4,947	5,095	5,248	5,405	5,405	3.0%
26	2,827	2,912	3,000	3,090	3,182	3,278	3,376	3,477	3,582	3,689	3,689	3.0%
27	0	0	0	0	0	0	0	0	0	0	0	n/a
28	0	0	0	0	0	0	0	0	0	0	0	n/a
29	\$23,837	\$25,244	\$25,740	\$26,749	\$27,275	\$28,345	\$29,054	\$30,646	\$31,246	\$32,477	\$32,477	3.5%
30	New Resources											
31	\$0	\$0	\$0	\$0	\$1,143	\$1,164	\$1,186	\$1,208	\$1,231	\$1,254	\$1,254	
32	\$0	\$0	\$0	\$0	\$1,143	\$1,164	\$1,186	\$1,208	\$1,231	\$1,254	\$1,254	
33	\$23,837	\$25,244	\$25,740	\$26,749	\$28,417	\$29,509	\$30,240	\$31,854	\$32,476	\$33,730	\$33,730	
UNIT POWER COSTS (cents/kWh)												
35	3.04	3.24	3.30	3.44	3.49	3.64	3.70	3.86	3.93	4.09	4.09	3.4%
36	2.92	3.12	3.17	3.30	3.35	3.50	3.60	3.91	3.97	4.14	4.14	4.0%
37	340.02	372.12	377.71	394.45	400.37	418.12	424.39	443.21	449.85	469.80	469.80	3.7%
38	1.60	1.65	1.70	1.75	1.80	1.85	1.91	1.97	2.03	2.09	2.09	3.0%
39	6.71	6.91	7.12	7.33	7.55	7.78	8.01	8.25	8.50	8.75	8.75	3.0%
40	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
41	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
42	n/a	n/a	n/a	n/a	2.54	2.59	2.64	2.69	2.74	2.79	2.79	n/a
43	2.99	3.17	3.23	3.35	3.37	3.50	3.59	3.78	3.86	4.00	4.00	3.3%

Okanogan County PUD
 2013 Equity Management Plan
 Table 10 - Projected COPA Revenues

Scenario: Option 1

Line	Actual		Projected									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
SALES (MWh)												
1 Residential	324,538	289,640	295,092	298,892	302,730	306,606	310,521	314,476	318,469	322,503	326,577	330,692
2 General Service	202,557	204,212	206,255	208,317	210,400	212,504	214,629	216,776	218,943	221,133	223,344	225,578
3 Industrial	21,141	20,584	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409
4 Irrigation	60,318	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773
5 Frost Control	517	358	358	358	358	358	358	358	358	358	358	358
6 Street Lighting	-	-	-	-	-	-	-	-	-	-	-	-
7 Total Retail Sales	609,071	579,567	584,888	590,750	596,671	602,651	608,692	614,792	620,954	627,177	633,462	639,810
8												
POWER SUPPLY COSTS (\$000)												
9 Total Power Costs	\$24,061	\$22,284	\$23,837	\$25,244	\$25,740	\$26,749	\$28,417	\$29,509	\$30,240	\$31,854	\$32,476	\$33,730
11 Less Enloe Dam	-	-	-	-	-	-	1,143	1,164	1,186	1,208	1,231	1,254
12 Net Power Costs	\$24,061	\$22,284	\$23,837	\$25,244	\$25,740	\$26,749	\$27,275	\$28,345	\$29,054	\$30,646	\$31,246	\$32,477
13												
14 Additional COPA Revenue (\$000)		n/a	\$1,552	\$2,960	\$3,455	\$4,465	\$4,990	\$6,061	\$6,770	\$8,362	\$8,962	\$10,192
15												
16 COPA Charge (\$/kWh)	n/a	n/a	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593

Appendix C
EQUITY MANAGEMENT PLAN -
RATE ALTERNATIVE OPTION 2

Okanogan County PUD

2013 Equity Management Plan Update - Option 2



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Okanogan County PUD
2013 Equity Management Plan
Summary of Results

Line	Historical			Projected										Avg. Annual Rate Change	
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2012 - 2022	
Scenario: Option 2															
1	Unit Revenue from Retail Sales (¢/kWh)	5.10	5.46	6.13	6.59	7.53	8.27	8.88	9.12	9.38	9.48	9.73	9.81	9.99	
2	Increase over Previous Year	6.4%	7.0%	12.1%	7.6%	14.1%	9.9%	7.4%	2.7%	2.8%	1.1%	2.6%	0.9%	1.8%	5.0%
3	Base Retail Rate Change (Effective July 1) (1)	0.0%	0.0%	0.0%	9.5%	9.5%	9.5%	2.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
4	Equity to Total Assets	63.2%	64.0%	64.8%	64.4%	50.1%	51.4%	44.4%	45.9%	47.6%	49.3%	51.0%	52.9%	54.6%	
5	Cash (Year End) (\$000)	\$7,619	\$9,782	\$4,416	\$1,021	\$22,081	\$6,089	\$13,187	\$9,944	\$8,951	\$7,209	\$7,834	\$9,686	\$12,463	
6	Days of Working Capital on Hand	74	95	43	9	181	49	103	74	65	51	53	64	80	
7	Debt Service Coverage	0.77	1.36	1.47	1.25	1.25	1.75	1.74	1.69	1.77	1.77	1.77	1.78	1.95	
8	Operating TIER	(4.99)	(0.10)	(0.75)	(2.35)	(0.19)	0.91	1.13	1.03	1.11	1.09	1.05	1.04	1.04	
9	Total TIER	(2.11)	0.46	0.96	0.29	0.80	1.50	1.52	1.55	1.66	1.68	1.68	1.72	1.78	

Okanogan County PUD
 2013 Equity Management Plan
 Table 1 - Summary of Results and Assumptions

Scenario: Option 2

Line	Historical			Projected										Avg. Annual Rate Change 2012 - 2022	
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
Line SUMMARY OF RESULTS															
1	Unit Revenue from Retail Sales (¢/kWh)	5.10	5.46	6.13	6.59	7.53	8.27	8.88	9.12	9.38	9.48	9.73	9.81	9.99	
2	Increase over Previous Year	6.4%	7.0%	12.1%	7.6%	14.1%	9.9%	7.4%	2.7%	2.8%	1.1%	2.6%	0.9%	1.8%	5.0%
3	Necessary Retail Rate Change (Effective July 1)	0.0%	0.0%	0.0%	9.5%	9.5%	9.5%	2.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
4	Equity to Total Assets	63.2%	64.0%	64.8%	64.4%	50.1%	51.4%	44.4%	45.9%	47.6%	49.3%	51.0%	52.9%	54.6%	
5	Cash (Year End) (\$000)	\$7,619	\$9,782	\$4,416	\$1,021	\$22,081	\$6,089	\$13,187	\$9,944	\$8,951	\$7,209	\$7,834	\$9,686	\$12,463	
6	Days of Working Capital on Hand	74	95	43	9	181	49	103	74	65	51	53	64	80	
7	Debt Service Coverage Ratio (DSCR)	0.77	1.36	1.47	1.25	1.25	1.75	1.74	1.69	1.77	1.77	1.77	1.78	1.95	
8	Operating TIER	(4.99)	(0.10)	(0.75)	(2.35)	(0.19)	0.91	1.13	1.03	1.11	1.09	1.05	1.04	1.04	
9	Total TIER	(2.11)	0.46	0.96	0.29	0.80	1.50	1.52	1.55	1.66	1.68	1.68	1.72	1.78	
Line ASSUMPTIONS															
10	General Inflation (1)	2.20%													
11	Inflation for Other Operating Revenues (2)	1.50%													
12	Customer Service Inflation (2)	2.20%													
13	Power Supply and Costs - Scenario Selection	Base Case													
14	Borrowing Assumptions - Enloe Dam														
15	Interest Rate - Co Bank	4.0%													
16	Term (Years)	40													
17	Borrowing Assumptions - Non-Enloe Dam														
18	Interest Rate	5.0%													
19	Term (Years)	20													
20	2013 Effective Energy/Demand Rates (\$/kWh)														
21	Residential	0.05849													
22	General Service	0.05826													
23	Industrial	0.05618													
24	Irrigation	0.04611													
25	Frost Control	0.02874													
26	Street Lighting	0.09958													

Okanogan County PUD
2013 Equity Management Plan
Table 1 - Summary of Results and Assumptions

Scenario: Option 2

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
27 Capital Improvements (\$000) - 2012\$ (3)											
28 Funded with Bonds											
29 Enloe Dam License/Construction	3,049	1,600	10,550	20,000	0	0	0	0	0	0	35,199
30 Funded with Revenue and/or Reserves											
31 Normal Replacements & Additions	2,916	2,065	2,175	1,925	1,995	2,040	2,790	2,850	3,000	3,000	24,756
32 PT Transmission Line	2,500	6,500	0	0	0	0	0	0	0	0	9,000
33 Gold Creek Substation Construction	500	0	0	0	0	0	0	0	0	0	500
34 Aeneas to Tonasket 115kV Transmission Line Construction	0	0	0	0	0	300	2,400	0	0	0	2,700
35 Aeneas Valley Substation	0	0	0	0	0	0	0	1,200	0	0	1,200
36 Tonasket Substation Addition	0	2,200	1,400	0	0	0	0	0	0	0	3,600
37 Okanogan to Brewster 115kV Transmission Line Replacement	0	0	0	0	3,300	0	0	0	0	0	3,300
38 Sandflat Substation Addition	0	0	0	750	0	0	0	0	0	0	750
39 Ophir to Monse 115kV Transmission Line	0	300	2,000	0	0	0	0	0	0	0	2,300
40 Monse Substation Construction	0	0	0	1,500	0	0	0	0	0	0	1,500
41 Loup Loup Substation Addition / MOS and Power Transformer	0	0	0	0	0	750	0	0	0	0	750
42 Facilities	2,020	550	410	0	660	1,500	60	0	200	0	5,400
43 Mobile Substation and Power Transformer Replacements	0	0	750	0	0	0	750	0	0	0	1,500
44 SCADA	0	60	60	60	60	60	60	60	60	60	540
45 Vehicle Replacements and New	634	680	580	350	685	465	360	230	165	75	4,224
46 Distribution Projects (No projects planned after 2020 at this time)	0	935	825	1,075	1,005	960	210	150	0	0	5,160
47 Other Capital Additions											0
48 Total	\$11,619	\$14,890	\$18,750	\$25,660	\$7,705	\$6,075	\$6,630	\$4,490	\$3,425	\$3,135	\$102,379
49 Check											
50 Target DSCR	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
51 Target Operating TIER	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
52 Target Total TIER	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
53 Target Working Capital (Days of O&M)	60	60	60	60	60	60	60	60	60	60	60

Notes:

- (1) Sources: Projected long term growth rate of GDP Price Index per October 2012 Blue Chip Economic Indicator report.
- (2) Per OKPUD staff, email on 7/17/12
- (3) The 2013 CIP budget is in 2013 dollars. 2013 Budget Source: Capital Outlay 2012 and 2013 Rev.xlsx, 2014-2022 Source: EMP Estimate.xlsx.

Okanogan County PUD
 2013 Equity Management Plan
 Table 2 - Projected Revenues at Existing Rates

Scenario: Option 2

Line	Historical (1)			Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
SALES (MWh)													
1 Residential	289,163	324,538	289,640	295,092	298,892	302,730	306,606	310,521	314,476	318,469	322,503	326,577	330,692
2 General Service	197,733	202,557	204,212	206,255	208,317	210,400	212,504	214,629	216,776	218,943	221,133	223,344	225,578
3 Industrial	21,602	21,141	20,584	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409
4 Irrigation	59,820	60,318	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773
5 Frost Control	438	517	358	358	358	358	358	358	358	358	358	358	358
6 Street Lighting	1,340	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360
7 Total Retail Sales	570,097	610,431	580,927	586,247	592,110	598,031	604,011	610,051	616,152	622,313	628,536	634,822	641,170
8 Sales for Resale	213,866	357,255	267,366	163,437	157,097	150,694	144,227	182,659	176,062	169,398	162,669	155,872	149,008
9 Adjustment	0	0	0	-	-	-	-	-	-	-	-	-	-
10 Total Energy Sales	783,963	967,686	848,293	749,684	749,207	748,725	748,238	792,710	792,213	791,712	791,205	790,694	790,178
CUSTOMER ACCOUNTS													
11 Residential	16,857	16,840	16,937	17,106	17,277	17,450	17,625	17,801	17,979	18,159	18,340	18,524	18,709
12 General Service	2,378	2,367	2,377	2,401	2,425	2,449	2,474	2,498	2,523	2,548	2,574	2,600	2,626
13 Industrial	4	4	4	3	3	3	3	3	3	3	3	3	3
14 Irrigation	1,207	1,198	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
15 Frost Control	134	136	140	140	140	140	140	140	140	140	140	140	140
16 Street Lighting	21	21	21	21	21	21	21	21	21	21	21	21	21
17 Total Customer Accounts	20,601	20,566	20,679	20,871	21,066	21,263	21,462	21,663	21,866	22,071	22,278	22,487	22,699
CUSTOMER HP RATING (IRR./FROST CONTROL)													
18 Irrigation													
19 0 - 74.9 HP	17,177	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
20 75+ HP	27,190	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
21 Total HP	44,367	45,761	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
22 Frost Control	10,433	12,096	12,208	12,269	12,331	12,392	12,454	12,517	12,579	12,642	12,705	12,769	12,833
MONTHLY USAGE PER CUSTOMER ACCOUNT (kWh)													
23 Residential	1,429	1,606	1,425	1,438	1,442	1,446	1,450	1,454	1,458	1,462	1,465	1,469	1,473
24 General Service	6,929	7,131	7,159	7,159	7,159	7,159	7,159	7,159	7,159	7,159	7,159	7,159	7,159
25 Industrial	450,046	440,438	428,827	511,374	511,374	511,374	511,374	511,374	511,374	511,374	511,374	511,374	511,374
26 Irrigation	4,130	4,196	4,498	4,498	4,498	4,498	4,498	4,498	4,498	4,498	4,498	4,498	4,498
27 Frost Control	272	317	213	213	213	213	213	213	213	213	213	213	213
28 Street Lighting	5,318	5,397	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396	5,396
EXISTING RATES - CUSTOMER CHARGE (\$/customer/month)													
29 Residential	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
30 General Service	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
31 Industrial	417.50	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00
32 Irrigation	0.00	0.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
33 Frost Control	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34 Street Lighting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Okanogan County PUD
2013 Equity Management Plan
Table 2 - Projected Revenues at Existing Rates

Scenario: Option 2

Line	Historical (1)			Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
EXISTING RATES - AVERAGE ENERGY AND DEMAND RATE (\$/kWh)													
35 Residential	\$0.04475	\$0.04925	\$0.05571	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849	\$0.05849
36 General Service	0.05325	0.05592	0.05677	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826	0.05826
37 Industrial	0.04456	0.04944	0.05258	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618	0.05618
38 Irrigation	0.02870	0.02749	0.04065	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611	0.04611
39 Frost Control	0.05960	0.04295	0.03870	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874	0.02874
40 Street Lighting	0.09459	0.09154	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958	0.09958
EXISTING RATES - COPA (\$/kWh)													
41 Residential	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
42 General Service	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
43 Industrial	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
44 Irrigation	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
45 Frost Control	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
46 Street Lighting	n/a	\$0.00240	\$0.00240	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593
EXISTING RATES - FACILITIES CHARGE (\$/HP) -- IRR. AND FROST CONTROL													
47 Irrigation													
48 0 - 74.9 HP	\$10.85	\$14.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
49 75+ HP	7.00	14.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
50 Frost Control	3.73	4.13	4.38	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
RETAIL REVENUES AT EXISTING RATES - EXCLUDES COPA													
51 Residential	\$14,961,740	\$18,003,321	\$18,167,523	\$19,311,279	\$19,554,046	\$19,799,241	\$20,046,887	\$20,297,010	\$20,549,634	\$20,804,785	\$21,062,487	\$21,322,766	\$21,585,648
52 General Service	10,872,507	11,667,321	11,935,462	12,361,095	12,484,706	12,609,553	12,735,648	12,863,005	12,991,635	13,121,551	13,252,767	13,385,294	13,519,147
53 Industrial	982,598	1,048,770	1,085,905	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906	1,036,906
54 Irrigation	2,093,757	2,299,074	2,805,886	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505	3,087,505
55 Frost Control	64,968	72,102	67,274	65,507	65,783	66,060	66,339	66,619	66,901	67,184	67,469	67,754	68,042
56 Street Lighting	126,761	124,492	135,393	135,393	135,393	135,393	135,393	135,393	135,393	135,393	135,393	135,393	135,393
57 Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	1
58 Total Revenue from Retail Sales	\$29,102,332	\$33,215,081	\$34,197,442	\$35,997,683	\$36,364,337	\$36,734,656	\$37,108,677	\$37,486,437	\$37,867,973	\$38,253,323	\$38,642,525	\$39,035,618	\$39,432,641
COPA REVENUES													
59 Residential	\$0	\$86,380	\$695,136	\$783,181	\$1,497,552	\$1,753,079	\$2,271,638	\$2,545,805	\$3,100,244	\$3,472,237	\$4,299,819	\$4,620,166	\$5,268,072
60 General Service	0	50,465	490,110	547,404	1,043,740	1,218,407	1,574,439	1,759,635	2,137,073	2,387,116	2,948,285	3,159,704	3,593,553
61 Industrial	0	3,907	49,401	48,859	92,238	106,607	136,395	150,930	181,489	200,716	245,447	260,443	293,271
62 Irrigation	0	0	155,456	171,909	324,536	375,095	479,903	531,042	638,563	706,215	863,597	916,362	1,031,866
63 Frost Control	0	0	860	951	1,795	2,074	2,654	2,937	3,531	3,905	4,776	5,068	5,706
64 Street Lighting	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Total COPA Revenues	\$0	\$140,751	\$1,390,961	\$1,552,304	\$2,959,861	\$3,455,262	\$4,465,029	\$4,990,348	\$6,060,900	\$6,770,190	\$8,361,923	\$8,961,743	\$10,192,469
67 Total Revenue for Retail Sales + COPA	\$29,102,332	\$33,355,832	\$35,588,403	\$37,549,987	\$39,324,198	\$40,189,918	\$41,573,706	\$42,476,785	\$43,928,873	\$45,023,513	\$47,004,448	\$47,997,361	\$49,625,110
68 Percent Change	-4.8%	14.6%	6.7%	5.5%	4.7%	2.2%	3.4%	2.2%	3.4%	2.5%	4.4%	2.1%	3.4%
69 Unit Revenue at Existing Rates (cents/kWh)													
70 Retail Rates	5.10	5.46	6.13	6.41	6.64	6.72	6.88	6.96	7.13	7.23	7.48	7.56	7.74

Note:

(1) Source: Revenue Stats 2005 - 12312012 (Operating Data 6c) Feb 2013.xls

Okanogan County PUD
2013 Equity Management Plan
Table 3 - Income Statement - Accrual Basis
(\$000)

Scenario: Option 2

Line	Historical (1)			Budget												
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022			
1	Operating Revenue															
2	Retail Rate Revenues at Existing Rates			\$29,102	\$33,215	\$34,197	\$35,998	\$36,364	\$36,735	\$37,109	\$37,486	\$37,868	\$38,253	\$38,643	\$39,036	\$39,433
3	Future Base Rate Increases															
4	Year	% of Base Sales Revenue	Months Effective													
5	2013	9.5%	4	1,110	3,455	3,490	3,525	3,561	3,597	3,634	3,671	3,708	3,746			
6	2014	9.5%	6		1,778	3,821	3,860	3,899	3,939	3,979	4,020	4,061	4,102			
7	2015	9.5%	6			1,967	4,227	4,270	4,313	4,357	4,402	4,446	4,492			
8	2016	2.0%	6				458	984	994	1,004	1,015	1,025	1,035			
9	2017	2.0%	6					472	1,014	1,025	1,035	1,046	1,056			
10	2018	0.0%	6						0	0	0	0	0			
11	2019	0.0%	6							0	0	0	0			
12	2020	0.0%	6								0	0	0			
13	2021	0.0%	6									0	0			
14	2022	0.0%	6										0			
15	Sales for Resale Revenue			\$5,802	\$6,742	\$3,532	\$2,641	\$2,577	\$2,509	\$2,437	\$3,133	\$3,065	\$2,993	\$2,917	\$2,837	\$2,753
16	COPA Revenues			0	141	1,391	1,552	2,960	3,455	4,465	4,990	6,061	6,770	8,362	8,962	10,192
17	Other Revenues			992	924	830	727	738	749	760	771	783	795	807	819	831
18	Total Operating Revenues			\$35,896	\$41,021	\$39,950	\$42,029	\$47,871	\$52,726	\$56,842	\$59,567	\$61,635	\$62,811	\$64,872	\$65,940	\$67,641
19	Operating Expenses															
20	Production			\$85	\$113	\$83	\$108	\$111	\$113	\$115	\$118	\$121	\$124	\$127	\$130	\$133
21	Purchased Power			23,896	24,061	22,284	23,837	25,244	25,740	26,749	28,417	29,509	30,240	31,854	32,476	33,730
22	Other Power Supply			521	687	832	1,086	1,110	1,134	1,159	1,184	1,210	1,237	1,264	1,292	1,320
23	Transmission			82	34	40	52	53	54	55	56	57	58	59	60	61
24	Distribution			5,381	4,721	5,427	7,088	7,244	7,403	7,566	7,732	7,902	8,076	8,254	8,436	8,622
25	Consumer Accounting			1,285	1,344	1,348	1,761	1,800	1,840	1,880	1,921	1,963	2,006	2,050	2,095	2,141
26	Customer Service & Information			677	509	747	976	997	1,019	1,041	1,064	1,087	1,111	1,135	1,160	1,186
27	Admin. & General			3,728	3,864	4,094	5,348	5,465	5,585	5,708	5,834	5,962	6,093	6,227	6,364	6,504
28	Tax Expense			1,829	2,127	2,210	2,360	2,474	2,528	2,615	2,672	2,763	2,832	2,957	3,019	3,122
29	Depreciation/Amortization			3,067	3,756	3,866	3,812	4,002	4,436	4,793	5,925	6,207	6,406	6,652	6,805	6,916
30	Total Cost of Electric Service			\$40,552	\$41,215	\$40,931	\$46,427	\$48,500	\$49,852	\$51,682	\$54,923	\$56,782	\$58,183	\$60,579	\$61,838	\$63,735
31	Net Operating Revenues			(\$4,656)	(\$194)	(\$981)	(\$4,399)	(\$629)	\$2,874	\$5,160	\$4,643	\$4,854	\$4,627	\$4,293	\$4,102	\$3,906
32	Other Income			401	564	1,323	991	979	975	975	975	975	975	975	975	975
33	Interest Expense			(932)	(1,970)	(1,302)	(1,875)	(3,235)	(3,161)	(4,580)	(4,501)	(4,377)	(4,237)	(4,091)	(3,937)	(3,765)
34	Debt Issuance Expense and Discount			(60)	(95)	(85)	(85)	(85)	(85)	(85)	(85)	(85)	(85)	(85)	(80)	(35)
35	Other Deductions			(50)	(351)	0	0	0	0	0	0	0	0	0	0	0
36	Contributions in Aid of Construction (2)			996	975	992	1,104	1,260	1,323	1,389	1,459	1,532	1,608	1,689	1,773	1,862
37	Use of Rate Stabilization Funds			1,400	0	0	2,925	1,050	(350)	(490)	0	0	0	0	0	0
38	Net Income (Loss)			(\$2,901)	(\$1,071)	(\$53)	(\$1,338)	(\$659)	\$1,577	\$2,370	\$2,492	\$2,899	\$2,889	\$2,781	\$2,833	\$2,943
39	Total Retail Energy Sales (MWh)			570,097	610,431	580,927	586,247	592,110	598,031	604,011	610,051	616,152	622,313	628,536	634,822	641,170
40	Unit Revenue from Retail Sales (¢/kWh)			5.10	5.46	6.13	6.59	7.53	8.27	8.88	9.12	9.38	9.48	9.73	9.81	9.99
41	Increase over Previous Year			6.4%	7.0%	12.1%	7.6%	14.1%	9.9%	7.4%	2.7%	2.8%	1.1%	2.6%	0.9%	1.8%
42	Necessary Retail Rate Change					0.0%	9.5%	9.5%	9.5%	2.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%
43	DSC Ratio			0.77	1.36	1.47	1.25	1.25	1.75	1.74	1.69	1.77	1.77	1.77	1.78	1.95
44	Operating TIER			(4.99)	(0.10)	(0.75)	(2.35)	(0.19)	0.91	1.13	1.03	1.11	1.09	1.05	1.04	1.04
45	Total TIER			(2.11)	0.46	0.96	0.29	0.80	1.50	1.52	1.55	1.66	1.68	1.68	1.72	1.78
46	Working Capital (Days of O&M)			74	95	43	9	181	49	103	74	65	51	53	64	80

Note:

- (1) Sources: 2010 - 2011 Financial and Statistical Reports, Draft 2012 Financial and Statistical Report
- (2) Sources: EMP 2011 CIAC.xlsx

Okanogan County PUD
2013 Equity Management Plan
Table 4 - Pro-Forma Balance Sheet as of December 31
(\$000)

Scenario: Option 2

Line	Historical (1)			Projected									
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
ASSETS AND OTHER DEBITS													
1 Total Utility Plant	\$137,519	\$141,269	\$146,711	\$157,340	\$171,903	\$190,927	\$217,931	\$225,532	\$231,464	\$238,195	\$242,549	\$245,725	\$248,632
2 Accum. Prov. for Deprec.	(52,369)	(53,648)	(56,805)	(59,627)	(62,639)	(66,085)	(69,888)	(74,823)	(80,040)	(85,456)	(91,118)	(96,933)	(102,859)
3 Net Utility Plant	\$85,150	\$87,621	\$89,906	\$97,713	\$109,264	\$124,842	\$148,043	\$150,709	\$151,424	\$152,739	\$151,431	\$148,792	\$145,773
4 Other Property & Investments													
5 Investments in Associated Companies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6 Electric Investment in Communications	2,150	1,979	1,799	1,799	1,799	1,799	1,799	1,799	1,799	1,799	1,799	1,799	1,799
7 Total Other Property & Investments	\$2,150	\$1,979	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799	\$1,799
8 Current Assets													
9 Revenue Fund	\$2,832	\$3,763	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818	\$1,818
10 Working Funds	15	15	15	15	15	15	15	15	15	15	15	15	15
11 Temporary Cash Investments	4,773	6,004	2,582	(812)	20,248	4,256	11,354	8,110	7,118	5,376	6,000	7,853	10,630
12 Accrued Utility Revenues	2,321	1,996	2,189	2,189	2,189	2,189	2,189	2,189	2,189	2,189	2,189	2,189	2,189
13 Other Current Assets	6,302	5,990	6,835	6,835	6,835	6,835	6,835	6,835	6,835	6,835	6,835	6,835	6,835
14 Total Unrestricted Current Assets	\$16,243	\$17,768	\$13,440	\$10,045	\$31,106	\$15,113	\$22,211	\$18,968	\$17,975	\$16,233	\$16,858	\$18,711	\$21,487
15 Restricted Current Assets													
16 Bond Sinking Funds	\$567	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290
17 Customer Deposits	450	600	600	600	600	600	600	600	600	600	600	600	600
18 Compensated Absences	1,100	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400
19 Debt Service Reserve Funds	0	0	1,945	1,945	1,945	1,945	1,945	1,945	1,945	1,945	1,945	1,945	1,945
20 Bond Construction Funds	14,898	9,263	7,266	0	0	0	0	0	0	0	0	0	0
21 Other Special Funds (Rate Stab. Fund)	6,135	6,135	6,135	3,210	2,160	2,510	3,000	3,000	3,000	3,000	3,000	3,000	3,000
22 Total Restricted Current Assets	\$23,150	\$17,687	\$17,635	\$7,444	\$6,394	\$6,744	\$7,234	\$7,234	\$7,234	\$7,234	\$7,234	\$7,234	\$7,234
23 Deferred Debits													
24 Unamortized Debt Expense	\$415	\$389	\$370	\$351	\$333	\$314	\$295	\$276	\$257	\$238	\$220	\$201	\$182
25 Unamortized Loss on Reacquired Debt	845	770	695	620	545	470	395	321	246	171	96	25	0
26 Other Deferred Debits	2,987	2,222	3,882	3,882	3,882	3,882	3,882	3,882	3,882	3,882	3,882	3,882	3,882
27 Total Assets & Other Debits	\$130,940	\$128,436	\$127,728	\$121,856	\$153,323	\$153,166	\$183,861	\$183,189	\$182,818	\$182,297	\$181,520	\$180,644	\$180,358
EQUITIES AND LIABILITIES													
Net Assets													
29 Restricted for Capital Construction	\$14,898	\$9,263	\$7,266	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30 Restricted for Debt Service	0	0	2,078	2,078	2,078	2,078	2,078	2,078	2,078	2,078	2,078	2,078	2,078
31 Restricted for Contingencies	6,135	6,135	6,250	3,325	2,275	2,625	3,115	3,115	3,115	3,115	3,115	3,115	3,115
32 Appropriated Net Assets	4,000	4,000	3,036	3,036	3,036	3,036	3,036	3,036	3,036	3,036	3,036	3,036	3,036
33 Unappropriated Net Assets	46,144	51,208	52,584	58,512	57,853	59,430	61,800	64,292	67,191	70,080	72,861	75,694	78,637
34 Contributions in Aid of Construction	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558	11,558
35 Total Net Assets	\$82,735	\$82,164	\$82,772	\$78,509	\$76,800	\$78,727	\$81,587	\$84,079	\$86,978	\$89,867	\$92,648	\$95,481	\$98,424
Non-Current Liabilities													
37 Long-Term Debt	\$39,595	\$38,040	\$36,440	\$34,425	\$67,550	\$65,394	\$92,240	\$88,979	\$85,578	\$82,029	\$78,329	\$75,109	\$75,109
38 Other Long Term Liabilities	363	357	347	338	329	320	311	302	293	283	274	265	256
39 Total Long-Term Liabilities	\$39,958	\$38,397	\$36,787	\$34,763	\$67,879	\$65,714	\$92,551	\$89,281	\$85,871	\$82,312	\$78,603	\$75,374	\$75,365
Current and Accrued Liabilities													
41 Warrants Outstanding	\$625	\$247	\$188	\$188	\$188	\$188	\$188	\$188	\$188	\$188	\$188	\$188	\$188
42 Accounts Payable	3,344	3,126	3,283	3,283	3,283	3,283	3,283	3,283	3,283	3,283	3,283	3,283	3,283
43 Taxes Accrued	822	944	969	969	969	969	969	969	969	969	969	969	969
44 Miscellaneous	78	85	86	86	86	86	86	86	86	86	86	86	86
45 Other Regulatory Liabilities	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Total Current and Accrued Liabilities	\$4,869	\$4,402	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527	\$4,527
Current Liab. Payable from Restricted Assets													
48 Current Portion of Long Term Debt	\$1,190	\$1,555	\$1,600	\$2,015	\$2,075	\$2,156	\$3,154	\$3,261	\$3,401	\$3,549	\$3,700	\$3,220	\$0
49 Interest on Long Term Debt	431	160	156	156	156	156	156	156	156	156	156	156	156
50 Compensated Absences	1,199	1,191	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350
51 Customer Deposits	558	568	535	535	535	535	535	535	535	535	535	535	535
52 Total Current Liab. Payable from Restricted Assets	\$3,378	\$3,474	\$3,642	\$4,057	\$4,117	\$4,198	\$5,196	\$5,303	\$5,443	\$5,591	\$5,742	\$5,262	\$2,042
53 Deferred Credits	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Total Equities and Liabilities	\$130,939	\$128,436	\$127,728	\$121,856	\$153,323	\$153,166	\$183,860	\$183,189	\$182,818	\$182,297	\$181,520	\$180,644	\$180,358
FINANCIAL RATIOS													
55 Equity to Total Assets	63.2%	64.0%	64.8%	64.4%	50.1%	51.4%	44.4%	45.9%	47.6%	49.3%	51.0%	52.9%	54.6%
56 Working Capital (Days of O&M)	74	95	43	9	181	49	103	74	65	51	53	64	80

Note:

(1) Sources: 2010 - 2011 Financial and Statistical Reports, Draft 2012 Financial and Statistical Report

Okanogan County PUD
2013 Equity Management Plan
Table 5 - Statement of Operations - Cash Basis
(\$000)

Scenario: Option 2

Line	Projected									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1 Total Net Operating Revenues	(\$4,399)	(\$629)	\$2,874	\$5,160	\$4,643	\$4,854	\$4,627	\$4,293	\$4,102	\$3,906
2 Add: Depreciation	3,812	4,002	4,436	4,793	5,925	6,207	6,406	6,652	6,805	6,916
3 Add: Other Income	991	979	975	975	975	975	975	975	975	975
4 Add: Use of Rate Stabilization Fund	2,925	1,050	(350)	(490)	0	0	0	0	0	0
5 Cash from Operations	\$3,329	\$5,403	\$7,936	\$10,438	\$11,544	\$12,036	\$12,009	\$11,920	\$11,883	\$11,797
6 Debt Service - Long Term										
7 Existing - Interest	\$1,875	\$1,827	\$1,768	\$1,702	\$1,639	\$1,577	\$1,502	\$1,424	\$1,342	\$1,244
8 Existing - Principal	1,600	1,645	1,690	1,755	1,830	1,875	1,950	2,030	2,110	1,555
9 New - Interest	0	1,408	1,393	2,878	2,862	2,800	2,735	2,667	2,595	2,521
10 New - Principal	0	370	385	401	1,324	1,386	1,451	1,519	1,590	1,665
11 Total Debt Service	\$3,475	\$5,250	\$5,236	\$6,736	\$7,655	\$7,638	\$7,638	\$7,640	\$7,637	\$6,985
12 Cash Margins After Debt Service	(\$146)	\$153	\$2,700	\$3,702	\$3,889	\$4,398	\$4,371	\$4,280	\$4,246	\$4,812
13 Cash from Investing Activities										
14 Total Additions and Replacements	(10,515)	(14,292)	(18,692)	(26,605)	(7,132)	(5,391)	(6,113)	(3,655)	(2,393)	(2,036)
15 Cash from Financing Activities										
16 Proceeds from Long Term Debt	0	35,200	0	30,000	0	0	0	0	0	0
17 Proceeds from Bond Construction Funds	7,266	0	0	0	0	0	0	0	0	0
18 Cash from Investing and Financing Activities	(3,249)	20,908	(18,692)	3,395	(7,132)	(5,391)	(6,113)	(3,655)	(2,393)	(2,036)
19 Net Cash	(3,395)	21,060	(15,992)	7,098	(3,243)	(993)	(1,742)	625	1,853	2,777
FINANCIAL RATIOS										
20 Debt Service Coverage	1.25	1.25	1.75	1.74	1.69	1.77	1.77	1.77	1.78	1.95

Okanogan County PUD
2013 Equity Management Plan
Table 6 - General Funds Summary
(\$000)

Scenario: Option 2

Line	Projected									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
SOURCES OF GENERAL FUNDS										
1	\$19,904	\$6,318	\$26,329	\$10,687	\$18,274	\$15,031	\$14,038	\$12,296	\$12,921	\$14,774
2	(146)	153	2,700	3,702	3,889	4,398	4,371	4,280	4,246	4,812
3	0	35,200	0	30,000	0	0	0	0	0	0
4	(2,925)	(1,050)	350	490	0	0	0	0	0	0
5	\$16,833	\$40,621	\$29,378	\$44,879	\$22,163	\$19,429	\$18,409	\$16,576	\$17,167	\$19,586
USES OF GENERAL FUNDS										
6	7,266	35,200	0	30,000	0	0	0	0	0	0
7	3,249	(20,908)	18,692	(3,395)	7,132	5,391	6,113	3,655	2,393	2,036
8	0	0	0	0	0	0	0	0	0	0
9	\$10,515	\$14,292	\$18,692	\$26,605	\$7,132	\$5,391	\$6,113	\$3,655	\$2,393	\$2,036
10	\$6,318	\$26,329	\$10,687	\$18,274	\$15,031	\$14,038	\$12,296	\$12,921	\$14,774	\$17,550

Notes

	2012
(1) Components of general funds as of December 31 were:	
Sinking Funds	\$290
Rate Stabilization Fund	6,135
Employee Compensated Absences Fund	1,400
Customer Deposit Fund	600
Revenue Fund Less Warrants Outstanding	1,631
Temporary Cash Investments	2,582
Bond Construction Funds	7,266
Total	\$19,904

Okanogan County PUD
2013 Equity Management Plan
Table 7 - Plant Investment and Depreciation Expense
(\$000)

Scenario: Option 2

Line	Projected									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
UTILITY PLANT										
1	\$146,711	\$157,340	\$171,903	\$190,927	\$217,931	\$225,532	\$231,464	\$238,195	\$242,549	\$245,725
2	Additions and Replacements - CIP Inflation Adjusted									
3	Funded with Bonds									
4	3,049	1,671	11,262	21,819	0	0	0	0	0	0
5	Funded with Revenue and/or Reserves									
6	2,916	2,157	2,322	2,100	2,224	2,325	3,249	3,392	3,649	3,729
7	2,500	6,789	0	0	0	0	0	0	0	0
8	500	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	342	2,795	0	0	0
10	0	0	0	0	0	0	0	1,428	0	0
11	0	2,298	1,494	0	0	0	0	0	0	0
12	0	0	0	0	3,679	0	0	0	0	0
13	0	0	0	818	0	0	0	0	0	0
14	0	313	2,135	0	0	0	0	0	0	0
15	0	0	0	1,636	0	0	0	0	0	0
16	0	0	0	0	0	855	0	0	0	0
17	2,020	574	438	0	736	1,709	70	0	243	0
18	0	0	801	0	0	0	873	0	0	0
19	0	63	64	65	67	68	70	71	73	75
20	634	710	619	382	764	530	419	274	201	93
21	0	977	881	1,173	1,121	1,094	245	179	0	0
22	0	0	0	0	0	0	0	0	0	0
23	\$11,619	\$15,552	\$20,015	\$27,994	\$8,591	\$6,922	\$7,721	\$5,344	\$4,166	\$3,897
24	990	990	990	990	990	990	990	990	990	990
25	\$157,340	\$171,903	\$190,927	\$217,931	\$225,532	\$231,464	\$238,195	\$242,549	\$245,725	\$248,632
26	Net Additions and Replacements									
27	\$6,070	\$6,779	\$6,618	\$6,175	\$4,911	\$6,580	\$4,926	\$5,344	\$4,166	\$3,897
28	5,549	8,774	13,397	21,819	3,679	342	2,795	-	-	-
29	\$11,619	\$15,552	\$20,015	\$27,994	\$8,591	\$6,922	\$7,721	\$5,344	\$4,166	\$3,897

Okanogan County PUD
2013 Equity Management Plan
Table 7 - Plant Investment and Depreciation Expense
(\$000)

Scenario: Option 2

Line		Projected										
		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
DEPRECIATION EXPENSE												
30	Funded with Bonds											
31	Enloe Dam License/Construction	2.50%	0	0	0	0	945	945	945	945	945	945
32	Funded with Revenue and/or Reserves											
33	Normal Replacements & Additions	3.00%	0	87	152	222	285	352	421	519	621	730
34	PT Transmission Line	3.00%	0	0	279	279	279	279	279	279	279	279
35	Gold Creek Substation Construction	3.00%	0	15	15	15	15	15	15	15	15	15
36	Aeneas to Tonasket 115kV Transmission Line Construction	3.00%	0	0	0	0	0	0	0	94	94	94
37	Aeneas Valley Substation	3.00%	0	0	0	0	0	0	0	0	43	43
38	Tonasket Substation Addition	3.00%	0	0	0	114	114	114	114	114	114	114
39	Okanogan to Brewster 115kV Transmission Line Replacement	3.00%	0	0	0	0	0	110	110	110	110	110
40	Sandflat Substation Addition	3.00%	0	0	0	0	25	25	25	25	25	25
41	Ophir to Monse 115kV Transmission Line	3.00%	0	0	0	73	73	73	73	73	73	73
42	Monse Substation Construction	3.00%	0	0	0	0	49	49	49	49	49	49
43	Loup Loup Substation Addition / MOS and Power Transformer	3.00%	0	0	0	0	0	0	26	26	26	26
44	Facilities	2.50%	0	51	65	76	76	94	137	139	139	145
45	Mobile Substation and Power Transformer Replacements	3.00%	0	0	0	24	24	24	24	50	50	50
46	SCADA	3.00%	0	0	2	4	6	8	10	12	14	16
47	Vehicle Replacements and New	10.00%	0	63	134	196	235	311	364	406	433	453
48	Distribution Projects (District) (No projects planned after 2020 at this time)	3.00%	0	0	29	56	91	125	157	165	170	170
49	Existing Plant	2.62%	3,812	3,786	3,760	3,734	3,708	3,683	3,657	3,631	3,605	3,579
50	Total Depreciation Expense		\$3,812	\$4,002	\$4,436	\$4,793	\$5,925	\$6,207	\$6,406	\$6,652	\$6,805	\$6,916
51	Less Depreciation in Other Accounts		0	0	0	0	0	0	0	0	0	0
52	Net Depreciation Expense		\$3,812	\$4,002	\$4,436	\$4,793	\$5,925	\$6,207	\$6,406	\$6,652	\$6,805	\$6,916
53	2012 ESTIMATED DEPRECIATION RATE ON EXISTING PLANT											
54	Total Utility Plant in Service (EOY)	146,711										
55	Depreciation Expense	3,838										
56	Estimated Average Depreciation Rate	2.62%										
57	ESTIMATED PLANT IN SERVICE - EXISTING PLANT											
58	Total Existing Plant in Service (BOY)	146,711	145,721	144,731	143,741	142,751	141,761	140,771	139,781	138,791	137,801	
59	Retirements	990	990	990	990	990	990	990	990	990	990	990
60	Total Existing Plant in Service (EOY)	145,721	144,731	143,741	142,751	141,761	140,771	139,781	138,791	137,801	136,811	
61	Estimated Depreciation Expense on Existing Plant	3,812	3,786	3,760	3,734	3,708	3,683	3,657	3,631	3,605	3,579	

Okanogan County PUD
2013 Equity Management Plan
Table 8 - Long-Term Debt and Debt Service
(\$000)

Scenario: Option 2

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
Projected											
EXISTING LONG TERM DEBT											
1	Balance (Beg Yr)	\$38,040	\$36,440	\$34,795	\$33,105	\$31,350	\$29,520	\$27,645	\$25,695	\$23,665	\$21,555
2	Principal Repayments	1,600	1,645	1,690	1,755	1,830	1,875	1,950	2,030	2,110	1,555
3	Balance (End Yr)	\$36,440	\$34,795	\$33,105	\$31,350	\$29,520	\$27,645	\$25,695	\$23,665	\$21,555	\$20,000
EXISTING DEBT INTEREST AND PRINCIPAL PAYMENTS											
4	Interest										
5	2003 Bonds	\$321	\$293	\$261	\$228	\$192	\$158	\$130	\$101	\$70	\$36
6	2010 Bonds	1,554	1,534	1,507	1,475	1,447	1,419	1,372	1,323	1,272	1,208
7	Total Interest	\$1,875	\$1,827	\$1,768	\$1,702	\$1,639	\$1,577	\$1,502	\$1,424	\$1,342	\$1,244
8	Principal										
9	2003 Bonds	\$555	\$580	\$615	\$650	\$685	\$700	\$730	\$760	\$790	\$825
10	2010 Bonds	1,045	1,065	1,075	1,105	1,145	1,175	1,220	1,270	1,320	730
11	Total Principal	\$1,600	\$1,645	\$1,690	\$1,755	\$1,830	\$1,875	\$1,950	\$2,030	\$2,110	\$1,555
FUNDING REQUIREMENTS											
12	Capital Funding Requirements (1)	\$10,515	\$14,292	\$18,692	\$26,605	\$7,132	\$5,391	\$6,113	\$3,655	\$2,393	\$2,036
13	Refinancing Requirements	0	0	0	0	0	0	0	0	0	0
14	Total Funding Requirements	\$10,515	\$14,292	\$18,692	\$26,605	\$7,132	\$5,391	\$6,113	\$3,655	\$2,393	\$2,036
15	Loan Funds Advanced	0	35,200	0	30,000	0	0	0	0	0	0
16	Use of Unspent Bond Proceeds	7,266	0	0	0	0	0	0	0	0	0
17	General Funds Invested	\$3,249	(\$20,908)	\$18,692	(\$3,395)	\$7,132	\$5,391	\$6,113	\$3,655	\$2,393	\$2,036
NEW LONG TERM DEBT											
18	New Long Term Debt										
19	BOY Balance	\$0	\$0	\$34,830	\$34,445	\$64,044	\$62,720	\$61,334	\$59,883	\$58,364	\$56,774
20	Loan Funds Advanced	0	35,200	0	30,000	0	0	0	0	0	0
21	Interest Expense	0	1,408	1,393	2,878	2,862	2,800	2,735	2,667	2,595	2,521
22	Principal Payments	0	370	385	401	1,324	1,386	1,451	1,519	1,590	1,665
23	Total Debt Service	\$0	\$1,778	\$1,778	\$3,279	\$4,186	\$4,186	\$4,186	\$4,186	\$4,185	\$4,186
24	EOY Balance	\$0	\$34,830	\$34,445	\$64,044	\$62,720	\$61,334	\$59,883	\$58,364	\$56,774	\$55,109
TOTAL LONG TERM DEBT SERVICE											
25	Interest										
26	Existing Debt	\$1,875	\$1,827	\$1,768	\$1,702	\$1,639	\$1,577	\$1,502	\$1,424	\$1,342	\$1,244
27	New Long Term Debt	0	1,408	1,393	2,878	2,862	2,800	2,735	2,667	2,595	2,521
28	Total Interest	\$1,875	\$3,235	\$3,161	\$4,580	\$4,501	\$4,377	\$4,237	\$4,091	\$3,937	\$3,765
29	Principal										
30	Existing Debt	\$1,600	\$1,645	\$1,690	\$1,755	\$1,830	\$1,875	\$1,950	\$2,030	\$2,110	\$1,555
31	New Long Term Debt	0	370	385	401	1,324	1,386	1,451	1,519	1,590	1,665
32	Total Principal	\$1,600	\$2,015	\$2,075	\$2,156	\$3,154	\$3,261	\$3,401	\$3,549	\$3,700	\$3,220
33	Total Debt Service	\$3,475	\$5,250	\$5,236	\$6,736	\$7,655	\$7,638	\$7,638	\$7,640	\$7,637	\$6,985
34	Less Portion Allocated to Telecom	0	0	0	0	0	0	0	0	0	0
35	Total Electric System Debt Service	\$3,475	\$5,250	\$5,236	\$6,736	\$7,655	\$7,638	\$7,638	\$7,640	\$7,637	\$6,985
TOTAL LONG TERM DEBT											
34	Balance (Beg Yr)	\$38,040	\$36,440	\$69,625	\$67,550	\$95,394	\$92,240	\$88,979	\$85,578	\$82,029	\$78,329
35	Loan Funds Advanced	-	35,200	-	30,000	-	-	-	-	-	-
36	Less Principal Repayments	1,600	2,015	2,075	2,156	3,154	3,261	3,401	3,549	3,700	3,220
37	Balance (End Yr)	\$36,440	\$69,625	\$67,550	\$95,394	\$92,240	\$88,979	\$85,578	\$82,029	\$78,329	\$75,109
35 Current Portion of Long Term Debt - EOY											
36	Existing Debt	\$1,645	\$1,690	\$1,755	\$1,830	\$1,875	\$1,950	\$2,030	\$2,110	\$1,555	\$0
37	New Long Term Debt	370	385	401	1,324	1,386	1,451	1,519	1,590	1,665	0
38	Total Current Portion	\$2,015	\$2,075	\$2,156	\$3,154	\$3,261	\$3,401	\$3,549	\$3,700	\$3,220	\$0

Notes

(1) Includes CIAC

Okanogan County PUD
 2013 Equity Management Plan
 Table 9 - Energy Resources and Cost of Power

Scenario: Option 2

	Projected										Avg. Annual Increase 2013 - 2022	
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
POWER SUPPLY (MWh)												
1	Purchased Power											
2												0.0%
3	209,496	209,496	209,496	209,496	209,496	209,496	209,496	209,496	209,496	209,496	209,496	0.0%
4	286,179	286,179	286,179	286,179	286,179	286,179	286,179	286,179	286,179	286,179	286,179	0.0%
5	629	629	629	629	629	629	629	629	629	629	629	0.0%
6	258,942	258,942	258,942	258,942	258,942	258,942	258,942	258,942	258,942	258,942	258,942	0.0%
7	42,156	42,156	42,156	42,156	42,156	42,156	42,156	42,156	42,156	42,156	42,156	0.0%
8	0	0	0	0	0	0	0	0	0	0	0	n/a
9	0	0	0	0	0	0	0	0	0	0	0	n/a
9	797,402	797,402	797,402	797,402	797,402	797,402	797,402	797,402	797,402	797,402	797,402	0.0%
10	New Resources											
11	0	0	0	0	44,963	44,963	44,963	44,963	44,963	44,964	44,964	n/a
12	0	0	0	0	44,963	44,963	44,963	44,963	44,963	44,964	44,964	n/a
13	0	0	0	0	0	0	0	0	0	0	0	n/a
14	797,402	797,402	797,402	797,402	842,365	842,365	842,365	842,365	842,365	842,366	842,366	0.6%
POWER REQUIREMENTS (MWh)												
15	586,247	592,110	598,031	604,011	610,051	616,152	622,313	628,536	634,822	641,170	641,170	1.0%
16	163,437	157,097	150,694	144,227	182,659	176,062	169,398	162,669	155,872	149,008	149,008	-1.0%
17	0	0	0	0	0	0	0	0	0	0	0	n/a
18	47,718	48,195	48,677	49,164	49,655	50,152	50,653	51,160	51,672	52,188	52,188	1.0%
19	797,402	797,402	797,402	797,402	842,365	842,365	842,365	842,365	842,365	842,366	842,366	0.6%
LOSSES (MWh)												
20	6.0%	6.0%	6.1%	6.2%	5.9%	6.0%	6.0%	6.1%	6.1%	6.2%	6.2%	
POWER COSTS (\$000)												
21	Purchased Power											
22	\$6,363	\$6,789	\$6,904	\$7,197	\$7,319	\$7,629	\$7,758	\$8,086	\$8,223	\$8,572	\$8,572	3.4%
23	8,365	8,935	9,065	9,455	9,593	10,006	10,305	11,200	11,364	11,856	11,856	4.0%
24	2,139	2,341	2,376	2,481	2,518	2,630	2,669	2,788	2,830	2,955	2,955	3.7%
25	4,143	4,267	4,395	4,527	4,663	4,803	4,947	5,095	5,248	5,405	5,405	3.0%
26	2,827	2,912	3,000	3,090	3,182	3,278	3,376	3,477	3,582	3,689	3,689	3.0%
27	0	0	0	0	0	0	0	0	0	0	0	n/a
28	0	0	0	0	0	0	0	0	0	0	0	n/a
29	\$23,837	\$25,244	\$25,740	\$26,749	\$27,275	\$28,345	\$29,054	\$30,646	\$31,246	\$32,477	\$32,477	3.5%
30	New Resources											
31	\$0	\$0	\$0	\$0	\$1,143	\$1,164	\$1,186	\$1,208	\$1,231	\$1,254	\$1,254	
32	\$0	\$0	\$0	\$0	\$1,143	\$1,164	\$1,186	\$1,208	\$1,231	\$1,254	\$1,254	
33	\$23,837	\$25,244	\$25,740	\$26,749	\$28,417	\$29,509	\$30,240	\$31,854	\$32,476	\$33,730	\$33,730	
UNIT POWER COSTS (cents/kWh)												
35	3.04	3.24	3.30	3.44	3.49	3.64	3.70	3.86	3.93	4.09	4.09	3.4%
36	2.92	3.12	3.17	3.30	3.35	3.50	3.60	3.91	3.97	4.14	4.14	4.0%
37	340.02	372.12	377.71	394.45	400.37	418.12	424.39	443.21	449.85	469.80	469.80	3.7%
38	1.60	1.65	1.70	1.75	1.80	1.85	1.91	1.97	2.03	2.09	2.09	3.0%
39	6.71	6.91	7.12	7.33	7.55	7.78	8.01	8.25	8.50	8.75	8.75	3.0%
40	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
41	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
42	n/a	n/a	n/a	n/a	2.54	2.59	2.64	2.69	2.74	2.79	2.79	n/a
43	2.99	3.17	3.23	3.35	3.37	3.50	3.59	3.78	3.86	4.00	4.00	3.3%

Okanogan County PUD
 2013 Equity Management Plan
 Table 10 - Projected COPA Revenues

Scenario: Option 2

Line	Actual		Projected									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
SALES (MWh)												
1 Residential	324,538	289,640	295,092	298,892	302,730	306,606	310,521	314,476	318,469	322,503	326,577	330,692
2 General Service	202,557	204,212	206,255	208,317	210,400	212,504	214,629	216,776	218,943	221,133	223,344	225,578
3 Industrial	21,141	20,584	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409	18,409
4 Irrigation	60,318	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773	64,773
5 Frost Control	517	358	358	358	358	358	358	358	358	358	358	358
6 Street Lighting	-	-	-	-	-	-	-	-	-	-	-	-
7 Total Retail Sales	609,071	579,567	584,888	590,750	596,671	602,651	608,692	614,792	620,954	627,177	633,462	639,810
8												
POWER SUPPLY COSTS (\$000)												
9 Total Power Costs	\$24,061	\$22,284	\$23,837	\$25,244	\$25,740	\$26,749	\$28,417	\$29,509	\$30,240	\$31,854	\$32,476	\$33,730
11 Less Enloe Dam	-	-	-	-	-	-	1,143	1,164	1,186	1,208	1,231	1,254
12 Net Power Costs	\$24,061	\$22,284	\$23,837	\$25,244	\$25,740	\$26,749	\$27,275	\$28,345	\$29,054	\$30,646	\$31,246	\$32,477
13												
14 Additional COPA Revenue (\$000)		n/a	\$1,552	\$2,960	\$3,455	\$4,465	\$4,990	\$6,061	\$6,770	\$8,362	\$8,962	\$10,192
15												
16 COPA Charge (\$/kWh)	n/a	n/a	\$0.00265	\$0.00501	\$0.00579	\$0.00741	\$0.00820	\$0.00986	\$0.01090	\$0.01333	\$0.01415	\$0.01593

Appendix D
2013 ELECTRIC SYSTEM RATE STUDY
DISTRICT'S TEST YEAR 2013 REVENUE REQUIREMENTS

Okanogan County PUD
2013 Electric System Rate Study
Operating Revenues and Revenue Requirements
Projected Test Year 2013

Line No.	2013	Pro Forma Adjustments	Adjusted Test Year 2013	Pro Forma Adjustment Number
1	Operating Revenues			
2	Residential	\$19,311,279	-	\$19,311,279
3	Small General Service	3,605,173	-	3,605,173
4	Large General Service	8,755,922	-	8,755,922
5	Industrial	1,036,906	-	1,036,906
6	Irrigation	3,087,505	-	3,087,505
7	Frost Control	65,507	-	65,507
8	Street Lighting	135,393	-	135,393
9	Sales for Resale	2,640,925	-	2,640,925
10	Cost of Power Adjustment	1,552,304	-	1,552,304
11	Total Revenues From Sales of Electricity	\$40,190,912	\$3,749,759	\$43,940,671
12	Other Electric Revenues	727,000	-	727,000
13	Total Revenues	\$40,917,912	\$3,749,759	\$44,667,671
14	Operating Expenses			
15	Cost of Purchased Power	\$23,836,549	-	\$23,836,549
16	Other Power Costs	1,194,494	-	1,194,494
17	Transmission Operation	51,840	-	51,840
18	Distribution Operation	7,087,780	-	7,087,780
19	Customer Accounts	1,761,008	-	1,761,008
20	Customer Service and Information	975,782	-	975,782
21	Administrative and General	5,347,595	-	5,347,595
22	Depreciation Expense	3,783,975	-	3,783,975
23	Amortization Expense - Acquisition Adj	28,025	-	28,025
24	Tax Expense	2,360,200	-	2,360,200
25	Total Operating and Maintenance Expense	\$46,427,249	\$0	\$46,427,249
26	Interest on Long-Term Debt	\$1,875,000	-	\$1,875,000
27	Debt Issuance Expense and Discount	84,636	-	84,636
28	Operating Cost of Electric Service	\$48,386,885	\$0	\$48,386,885
29	Margins or Increase in Net Assets	(2,798,973)	3,749,759	950,786
30	Operating Revenue Requirements	\$45,587,912	\$3,749,759	\$49,337,671
31	Non-Operating Revenues			
32	Interest Income	\$991,000	-	\$991,000
33	Contributions in Aid of Construction	1,104,000	-	1,104,000
34	Use of Rate Stabilization Funds	2,575,000	-	2,575,000
35	Other Deductions	-	-	-
36	Total Non-Operating Margins	\$4,670,000	\$0	\$4,670,000
37	Total Revenue Requirements	\$45,587,912	\$3,749,759	\$49,337,671
38	Less Interest Income	(991,000)	-	(991,000)
39	Less Contributions in Aid of Construction	(1,104,000)	-	(1,104,000)
40	Less Use of Rate Stabilization Funds	(2,575,000)	-	(2,575,000)
41	Less Other Revenues	(727,000)	-	(727,000)
42	Less Wholesale Revenues	(2,640,925)	-	(2,640,925)
43	Revenue Requirements from Retail Rates	\$37,549,988	\$3,749,759	\$41,299,746
44	Revenue Increase (Decrease)			3,749,759
45	Percent Change (Excludes COPA and Wholesale Revenues)			10.4%
46	Debt Service Coverage Ratio (DSCR)	0.83		1.91
47	TIER (Operating)	(2.94)		(0.94)
48	TIER (Total)	(0.49)		1.51

Proforma Adjustments:

- Assumes retail revenue increase equal to 12.5% retail rate increase effective for a 10 month period (10.4% percent change).

Appendix E
2013 ELECTRIC SYSTEM RATE STUDY
FUNCTIONALIZATION OF REVENUE REQUIREMENTS

Okanogan County PUD
2013 Electric System Rate Study
Functionalization of Expenses
Adjusted Test Year 2013

Line	Description	Account	Function Factor	Adjusted Test Year 2013	Function			
					Production	Transmission	Distribution	
REVENUE REQUIREMENTS								
1	OPERATING EXPENSES							
2								
3	Miscellaneous Hydraulic Power Expense	539.00	Prod	36,315	36,315	-	-	
4	Miscellaneous Hydraulic Power Expense - Labor		Prod	61,528	61,528	-	-	
5	Miscellaneous Expense - Generation	549.00	Prod	0	-	-	-	
6	Miscellaneous Expense - Generation - Labor		Prod	0	-	-	-	
7	Rental Expense - Generation	550.00	Prod	10,503	10,503	-	-	
8	Purchased Power - Miscellaneous	555.00	Prod	0	-	-	-	
9	Purchased Power - Bonneville Power	555.10	Prod	0	-	-	-	
10	BPA Block	555.10	Prod	6,362,503	6,362,503	-	-	
11	BPA Slice	555.10	Prod	8,365,192	8,365,192	-	-	
12	BPA Transmission and Ancillary Services	555.10	Prod	2,138,700	2,138,700	-	-	
13	BPA Irrigation Customer Class Credit	555.10	Prod	0	-	-	-	
14	Purchased Power - Wells Dam Power	555.20	Prod	4,142,824	4,142,824	-	-	
15	Purchased Power - Nine Canyon Wind	555.70	Prod	2,827,331	2,827,331	-	-	
16	System Control and Load Dispatch	556.00	Prod	432,572	432,572	-	-	
17	Power Supply Expense	557.00	Prod	467,897	467,897	-	-	
18	Power Supply Expense - Labor		Prod	185,679	185,679	-	-	
19	TOTAL POWER COSTS			25,031,043	25,031,043	0	0	
20	Operation Supervision and Engineering	560.00	Trans	0	-	-	-	
21	Operation Supervision and Engineering - Labor		Trans	0	-	-	-	
22	Overhead Line Expense	563.00	Trans	3,896	-	3,896	-	
23	Overhead Line Expense - Labor		Trans	12,332	-	12,332	-	
24	Misc Transmission Expense	566.00	Trans	460	-	460	-	
25	Misc Transmission Expense - Labor		Trans	0	-	-	-	
26	Rents	567.00	Trans	0	-	-	-	
27	Maintenance Supervision and Engineering	568.00	Trans	654	-	654	-	
28	Maintenance Supervision and Engineering - Labor		Trans	2,584	-	2,584	-	
29	Maintenance of Overhead Lines	571.00	Trans	24,301	-	24,301	-	
30	Maintenance of Overhead Lines - Labor		Trans	7,614	-	7,614	-	
31	TOTAL TRANSMISSION OPERATION			51,840	0	51,840	0	

Okanogan County PUD
2013 Electric System Rate Study
Functionalization of Expenses
Adjusted Test Year 2013

Line	Description	Account	Function Factor	Adjusted Test Year 2013	Function		
					Production	Transmission	Distribution
32	Operation Supervision and Engineering	580.00	Dist	347,477	-	-	347,477
33	Operation Supervision and Engineering - Labor		Dist	1,406,128	-	-	1,406,128
34	Station Operation Expenses	582.00	Dist	121,372	-	-	121,372
35	Station Operation Expenses - Labor		Dist	129,704	-	-	129,704
36	Overhead Line Expenses	583.00	Dist	70,143	-	-	70,143
37	Overhead Line Expenses - Labor		Dist	768,704	-	-	768,704
38	Underground Line Expenses	584.00	Dist	74,134	-	-	74,134
39	Underground Line Expenses - Labor		Dist	146,458	-	-	146,458
40	Street Lighting/Signal Systems	585.00	Dist	0	-	-	-
41	Street Lighting/Signal Systems - Labor		Dist	0	-	-	-
42	Operations Meter Expenses	586.00	Dist	244,329	-	-	244,329
43	Operations Meter Expenses - Labor		Dist	510,321	-	-	510,321
44	Customer Installation Expenses	587.00	Dist	64,107	-	-	64,107
45	Customer Installation Expenses - Labor		Dist	210,347	-	-	210,347
46	Miscellaneous Distribution Expenses	588.00	Dist	167,927	-	-	167,927
47	Miscellaneous Distribution Expenses - Labor		Dist	190,672	-	-	190,672
48	Operations Internal Telecom	588.10	Dist	44,958	-	-	44,958
49	Operations Internal Telecom - Labor		Dist	88,298	-	-	88,298
50	Rents	589.00	Dist	21,937	-	-	21,937
51	Maintenance Supervision and Engineering	590.00	Dist	23,502	-	-	23,502
52	Maintenance Supervision and Engineering - Labor		Dist	120,048	-	-	120,048
53	Maintenance of Station Equipment	592.00	Dist	211,053	-	-	211,053
54	Maintenance of Station Equipment - Labor		Dist	251,581	-	-	251,581
55	Maintenance of Overhead Lines	593.00	Dist	894,550	-	-	894,550
56	Maintenance of Overhead Lines - Labor		Dist	623,814	-	-	623,814
57	Maintenance of Underground Lines	594.00	Dist	42,254	-	-	42,254
58	Maintenance of Underground Lines - Labor		Dist	88,612	-	-	88,612
59	Maintenance of Line Transformers	595.00	Dist	40,845	-	-	40,845
60	Maintenance of Line Transformers - Labor		Dist	126,778	-	-	126,778
61	Maintenance of Street Lights & Signal Systems	596.00	Dist	26,913	-	-	26,913
62	Maintenance of Street Lights & Signal Systems - Labor		Dist	29,268	-	-	29,268
63	Maintenance of Meters	597.00	Dist	0	-	-	-
64	Operations Miscellaneous Maintenance	598.00	Dist	203	-	-	203
65	Operations Miscellaneous Maintenance - Labor		Dist	1,342	-	-	1,342
66	TOTAL DISTRIBUTION OPERATION			7,087,780	0	0	7,087,780
67	Meter Reading Expenses	902.00	Dist	33,594	-	-	33,594
68	Meter Reading Expenses - Labor		Dist	31,970	-	-	31,970
69	Operations - Collections	903.00	Dist	451,648	-	-	451,648
70	Operations - Collections - Labor		Dist	1,220,808	-	-	1,220,808
71	Uncollectible Accounts	904.00	Dist	22,988	-	-	22,988
72	Uncollectible Accounts-Con Loan	904.10	Dist	0	-	-	-
73	TOTAL CUSTOMER ACCOUNTS			1,761,008	0	0	1,761,008

Okanogan County PUD
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Line	Description	Account	Function Factor	Adjusted Test Year 2013	Function		
					Production	Transmission	Distribution
74	Revenues from Jobbing & Contract	415.00	Dist	(439,405)	-	-	(439,405)
75	Revenues from Bulb Sales - (CR)	415.10	Dist	0	-	-	-
76	Costs & Exp. Of Jobbing and Contract	416.00	Dist	215,084	-	-	215,084
77	Costs & Exp. Of Jobbing and Contract - Labor		Dist	235,046	-	-	235,046
78	Purchases for Resale (Bulbs)	416.10	Dist	0	-	-	-
79	Customer Assistance Expenses	908.00	Dist	720,845	-	-	720,845
80	Customer Assistance Expenses - Labor		Dist	181,143	-	-	181,143
81	Informational and Instructional Ad	909.00	Dist	35,633	-	-	35,633
82	Informational and Instructional Ad - Labor		Dist	25,023	-	-	25,023
83	Miscellaneous Customer Service and Information	910.00	Dist	2,414	-	-	2,414
84	TOTAL CUSTOMER SERVICE AND INFORMATION			975,782	0	0	975,782
85	Administrative & General Salaries	920.00	Labor	317,594	11,796	1,075	304,723
86	Administrative & General Salaries - Labor		Labor	2,424,226	90,040	8,206	2,325,980
87	Office Supplies & Expenses	921.00	Labor	648,818	24,098	2,196	622,524
88	Outside Services Employed	923.00	Labor	585,877	21,760	1,983	562,133
89	Property Insurance	924.00	Gross Plant	136,543	812	6,511	129,221
90	Injuries and Damages	925.00	Labor	301,741	11,207	1,021	289,513
91	Injuries and Damages - Labor		Labor	0	-	-	-
92	Employee Pensions and Benefits	926.00	Labor	(2,321,743)	(86,233)	(7,859)	(2,227,651)
93	Employee Pensions and Benefits - Labor		Labor	56,730	2,107	192	54,431
94	Supplemental Leave Balance	926.10	Labor	0	-	-	-
95	Industrial Leave	926.20	Labor	0	-	-	-
96	Short Term Disability	926.30	Labor	7,198	267	24	6,906
97	Short Term Disability - Labor		Labor	47,524	1,765	161	45,598
98	Employer Contributions for 401(A)	926.40	Labor	266,086	9,883	901	255,302
99	Employer Contributions for HRA V	926.45	Labor	170,939	6,349	579	164,011
100	Pensions and Benefits - CWPU Trust	926.50	Labor	1,816,207	67,457	6,148	1,742,602
101	Miscellaneous General Exp Boc	930.00	Labor	330,809	12,287	1,120	317,403
102	Miscellaneous General Exp Boc - Labor		Labor	151,666	5,633	513	145,519
103	Rents - G&A	931.00	Gen Plant	6,269	37	299	5,933
104	Maintenance of General Plant	935.00	Gen Plant	312,890	1,861	14,919	296,110
105	Maintenance of General Plant - Labor		Gen Plant	88,222	525	4,207	83,491
106	TOTAL ADMINISTRATIVE AND GENERAL			5,347,595	181,652	42,195	5,123,748
107	Depreciation Expense - Production		Prod	0	-	-	-
108	Depreciation Expense - Transmission	403.10	Trans	100,585	-	100,585	-
109	Depreciation Expense - Distribution	403.30	Dist	2,750,282	-	-	2,750,282
110	Depreciation Expense - General	403.40	Gen Plant	933,108	5,550	44,492	883,066
111	Amortization Expense - Acquisition Adj	406.00	Trans	28,025	-	28,025	-
112	TOTAL DEPRECIATION AND AMORTIZATION			3,812,000	5,550	173,102	3,633,349

Okanogan County PUD
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Line	Description	Account	Function Factor	Adjusted Test Year 2013	Function		
					Production	Transmission	Distribution
113	State Utility Tax	408.11	Rev Less Wholesale	1,528,712	833,996	15,494	679,222
114	State Privilege Tax	408.12	Rev Less Wholesale	808,297	440,970	8,192	359,135
115	Retailing and Wholesaling Tax	408.13	Rev Less Wholesale	113	62	1	50
116	Service Tax (Carrying Charges)	408.16	Rev Less Wholesale	21,187	11,558	215	9,413
117	Unemployment Compensating Tax	408.21	Labor	2,487	92	8	2,386
118	State Industrial and Medical Tax	408.23	Labor	(595)	(22)	(2)	(571)
119	Leasehold Tax	408.80	Rev Less Wholesale	0	-	-	-
120	TOTAL TAXES			2,360,200	1,286,657	23,908	1,049,635
121	TOTAL OPERATING EXPENSES			46,427,249	26,504,901	291,045	19,631,302
122	Check			-			
123	FIXED CHARGES						
124							
125	Interest on Long Term Debt - 2003 Bonds	427.00	Net Plant	338,512	30,610	42,678	265,223
126	Interest on Long Term Debt - 2010 Bonds	427.80	Net Plant	1,536,488	138,940	193,714	1,203,835
127	Amortization of Debt Expense and Loss -2001	428.50	Net Plant	24,919	2,253	3,142	19,524
128	Amortization of Debt Expense and Loss -2002	428.60	Net Plant	50,027	4,524	6,307	39,196
129	Amortization of Debt Expense and Loss -2003	428.70	Net Plant	13,828	1,250	1,743	10,834
130	Amortization of Debt Expense and Loss -2010	428.80	Net Plant	10,155	918	1,280	7,956
131	Amortization of Debt Premium -2010	429.80	Net Plant	(14,292)	(1,292)	(1,802)	(11,198)
132	TOTAL INTEREST ON LONG TERM DEBT			1,959,636	177,203	247,063	1,535,370
133	NET OPERATING MARGIN			(3,719,214)	n/a	n/a	n/a
134	Check			-			
135	INTEREST INCOME						
136							
137	Interest Income	419.00	Net Plant	55,672	5,034	7,019	43,619
138	Interest Income - Interdivisional	419.10	Net Plant	179,787	16,258	22,667	140,863
139	Miscellaneous Non-Operating Income	421.00	Net Plant	754,857	68,259	95,169	591,429
140	Gain or Loss on Disposition of Property	421.10	Net Plant	683	62	86	535
141	TOTAL INTEREST INCOME			991,000	89,613	124,941	776,446
142	Contributions in Aid of Construction	422.00	Dist	1,104,000	-	-	1,104,000
143	TOTAL CONTRIBUTIONS AND DONATIONS			1,104,000	0	0	1,104,000
144	Use of Rate Stabilization Funds		Ops Revs	2,575,000	1,420,926	28,390	1,125,683
145	TOTAL USE OF RATE STABILIZATION FUNDS			2,575,000	1,420,926	28,390	1,125,683
146	Margins or Increase in Net Assets		TIER	950,786	55.2% 85,976	1.1% 119,871	43.7% 744,938
147	Operating Revenue Requirement			49,337,671	26,768,081	657,979	21,911,611
148	Less Contributions in Aid of Construction			1,104,000	0	0	1,104,000
149	Less Non-Operating Revenue			991,000	89,613	124,941	776,446
150	Less Use of Rate Stabilization Funds			2,575,000	1,420,926	28,390	1,125,683
151	Less Other Electric Revenues		RateBs	727,000	85,343	86,072	555,585
152	Revenue Requirement from Rates			43,940,671	25,172,199	418,576	18,349,896
153	Wholesale Revenues		Prod	(2,640,925)	(2,640,925)	-	-
154	Revenue Requirement from Retail Rates			41,299,746	22,531,274	418,576	18,349,896

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Line	Description	Account	Function Factor	Adjusted Test Year 2013	Function		
					Production	Transmission	Distribution
RATE BASE							
155	Organization - Intangible Plant	301.00	Gr PTD Plant	28,685	171	1,368	27,147
156	Misc Intangible Plant	303.00	Gr PTD Plant	63,612	378	3,033	60,200
157	TOTAL INTANGIBLE PLANT			92,297	549	4,401	87,347
158	Land and Land Rights	330.00	Prod	8,145	8,145	-	-
159	Structures & Improvements	331.00	Prod	106,196	106,196	-	-
160	Reservoirs, Dams, & Waterways	332.00	Prod	271,978	271,978	-	-
161	Water Wheels, Turbines, & Generators	333.00	Prod	161,950	161,950	-	-
162	Accessory Electric Equipment	334.00	Prod	19,418	19,418	-	-
163	Misc Power Plant Equipment	335.00	Prod	20,707	20,707	-	-
164	TOTAL HYDROELECTRIC PLANT			588,393	588,393	0	0
165	Land and Land Rights	350.00	Trans	152,482	-	152,482	-
166	Structures and Improvements	352.00	Trans	-	-	-	-
167	Station Equipment	353.00	Trans	-	-	-	-
168	Towers and Fixtures	354.00	Trans	109,867	-	109,867	-
169	Poles and Fixtures	355.00	Trans	2,075,682	-	2,075,682	-
170	Overhead Conductors and Devices	356.00	Trans	2,379,044	-	2,379,044	-
171	Underground Conduits-Trans	357.00	Trans	-	-	-	-
172	UG Conductors & Devices-Trans	358.00	Trans	-	-	-	-
173	TOTAL TRANSMISSION PLANT			4,717,075	0	4,717,075	0
174	Land and Land Rights	360.00	Dist	241,561	-	-	241,561
175	Structures and Improvements	361.00	Dist	461,629	-	-	461,629
176	Station Equipment	362.00	Dist	19,275,801	-	-	19,275,801
177	Poles, Towers, and Fixtures	364.00	Dist	17,678,288	-	-	17,678,288
178	Overhead Conductors and Devices	365.00	Dist	14,383,063	-	-	14,383,063
179	Underground Conduit	366.00	Dist	4,761,061	-	-	4,761,061
180	Underground Conductors and Devices	367.00	Dist	9,863,521	-	-	9,863,521
181	Line Transformers	368.00	Dist	13,356,952	-	-	13,356,952
182	Services	369.00	Dist	7,520,514	-	-	7,520,514
183	Meters	370.00	Dist	5,353,094	-	-	5,353,094
184	Installations on Customer's Premises	371.00	Dist	186,116	-	-	186,116
185	Leased Property	372.00	Dist	-	-	-	-
186	Street Lighting and Signal Systems	373.00	Dist	541,829	-	-	541,829
187	TOTAL DISTRIBUTION PLANT			93,623,430	0	0	93,623,430

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Line	Description	Account	Function Factor	Adjusted Test Year 2013	Function		
					Production	Transmission	Distribution
188	Land and Land Rights	389.00	Gr PTD Plant	723,863	4,305	34,515	685,043
189	Structures and Improvements	390.00	Gr PTD Plant	11,998,893	71,365	572,125	11,355,403
190	Office Furniture & Equipment - General	391.00	Gr PTD Plant	2,443,391	14,532	116,504	2,312,354
191	Computer Equipment	391.00	Gr PTD Plant	-	-	-	-
192	Transportation Equipment	392.00	Gr PTD Plant	4,716,541	28,052	224,892	4,463,598
193	Stores Equipment	393.00	Gr PTD Plant	68,996	410	3,290	65,296
194	Tools, Shop, and Garage Equip	394.00	Gr PTD Plant	1,072,482	6,379	51,138	1,014,966
195	Laboratory Equipment	395.00	Gr PTD Plant	347,846	2,069	16,586	329,191
196	Power Operated Equipment	396.00	Gr PTD Plant	1,023,268	6,086	48,791	968,391
197	Communication Equipment	397.00	Gr PTD Plant	848,084	5,044	40,438	802,602
198	Communication Equipment - Internal Telecom	397.10	Gr PTD Plant	3,854,074	22,923	183,768	3,647,383
199	Miscellaneous Equipment	398.00	Gr PTD Plant	110,615	658	5,274	104,683
200	Other Tangible Property - General	399.00	Gr PTD Plant	27	0	1	25
201	TOTAL GENERAL PLANT			27,208,081	161,824	1,297,321	25,748,936
202	SUBTOTAL ELECTRIC PLANT IN SERVICE			126,229,275	750,766	6,018,797	119,459,713
203	Construction Work in Progress		CWIP	17,557,977	7,922,525	7,935,668	1,699,784
204	TOTAL ELECTRIC PLANT			143,787,252	8,673,290	13,954,464	121,159,497
205	Working Capital						
206	O&M		O&M L	3,713,540	438,633	47,843	3,227,064
207	Fuel & Purchased Power		Prod	2,938,753	2,938,753	-	-
208	Materials & Supplies		Net Plant	2,745,218	248,241	346,106	2,150,871
209	Prepayments		Net Plant	158,501	14,333	19,983	124,185
210	Deferred Debits		Net Plant	4,440,154	401,508	559,796	3,478,849
211	SUBTOTAL WORKING CAPITAL			13,996,165	4,041,468	973,728	8,980,968
212	Less Accumulated Depreciation	1080.00					
213	Production		Prod	(568,707)	(568,707)	-	-
214	Transmission		Trans	(2,251,175)	-	(2,251,175)	-
215	Distribution		Dist	(41,768,572)	-	-	(41,768,572)
216	General		Gen Plant	(10,212,222)	(60,739)	(486,934)	(9,664,550)
217	Accum Depr Manual	1080.00	Blank	0	-	-	-
218	Retirements Work in Progress (RWIP)	1088.00	Gross Plant	(34,533)	(205)	(1,647)	(32,681)
219	Loss Due to Retirement	1089.00	Blank	0	-	-	-
220	Accum Provision for Amortization	1150.00	Blank	0	-	-	-
221	TOTAL ACCUMULATED DEPRECIATION AND AMORTIZATION			(54,835,209)	(629,651)	(2,739,755)	(51,465,803)
222	NET RATE BASE			102,948,209	12,085,108	12,188,438	78,674,663

Okanogan County PUD
2013 Electric System Rate Study
Functionalization of Expenses
Adjusted Test Year 2013

Line	Function Factor	Factor	Production	Transmission	Distribution	Total
1		Production direct	1	0	0	1
2	Prod	Production Factor	100.0%	0.0%	0.0%	100.0%
3						
4		Transmission direct	0	1	0	1
5	Trans	Transmission Factor	0.0%	100.0%	0.0%	100.0%
6						
7		Distribution direct	0	0	1	1
8	Dist	Distribution Factor	0.0%	0.0%	100.0%	100.0%
9						
10		O&M less Fuel & Purchased Power	2,668,352	291,045	19,631,302	22,590,700
11	O&M L	O&ML Factor	11.8%	1.3%	86.9%	100.0%
12						
13		Labor less A&G Labor	247,208	22,530	6,386,064	6,655,802
14	Labor	Labor Factor	3.7%	0.3%	95.9%	100.0%
15						
16		Rate Base	12,085,108	12,188,438	78,674,663	102,948,209
17	RateBs	Rate base Factor	11.7%	11.8%	76.4%	100.0%
18						
19		Revenue Requirement	25,172,199	418,576	18,349,896	43,940,671
20	RevReqt	Revenue Requirement Factor	57.3%	1.0%	41.8%	100.0%
21						
22		Wholesale Revenues	(2,640,925)	-	-	(2,640,925)
23	Wholesale	Wholesale Revenues Factor	100.0%	0.0%	0.0%	100.0%
24						
25		Rev Reqt Less Wholesale Revenues	22,531,274	418,576	18,349,896	41,299,746
26	Rev Less Wholesale	Revenue Requirement Less Wholesale Revenue Factor	54.6%	1.0%	44.4%	100.0%
27						
28		Gross P, T, D Plant	588,393	4,717,075	93,623,430	98,928,898
29	Gr PTD Plant	Gross P, T, D Plant Factor	0.6%	4.8%	94.6%	100.0%
30						
31		Net Plant	8,043,640	11,214,709	69,693,694	88,952,043
32	Net Plant	Net plant Factor	9.0%	12.6%	78.3%	100.0%
33						
34		Gross Plant	750,766	6,018,797	119,459,713	126,229,275
35	Gross Plant	Gross plant Factor	0.6%	4.8%	94.6%	100.0%
36						
37		General Plant	161,824	1,297,321	25,748,936	27,208,081
38	Gen Plant	General plant Factor	0.6%	4.8%	94.6%	100.0%
39						
40		Operating Revenues	26,678,468	533,038	21,135,165	48,346,671
41	Ops Revs	Operating Revenues Factor	55.2%	1.1%	43.7%	100.0%
42						
43		CWIP	8,278,881	8,292,616	1,776,241	18,347,738
44	CWIP	Construction Work in Progress	45.1%	45.2%	9.7%	100.0%
45						
46		TIER	89,857	125,282	778,564	993,704
47	TIER	TIER Factor	9.0%	12.6%	78.3%	100.0%
48						
49	Blank	Blank	0	0	0	0
50		Blank Factor	0.0%	0.0%	0.0%	0.0%

Appendix F
2013 ELECTRIC SYSTEM RATE STUDY
CLASSIFICATION OF REVENUE REQUIREMENTS

Okanogan County PUD
2013 Electric System Rate Study
Classification of Production Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year	Production			Functionalization Factor
				2013	Energy	Demand	Customer	
REVENUE REQUIREMENTS								
1	OPERATING EXPENSES							
2								
3	Miscellaneous Hydraulic Power Expense	539.00	Demand	36,315	-	36,315	-	Prod
4	Miscellaneous Hydraulic Power Expense - Labor		Demand	61,528	-	61,528	-	Prod
5	Miscellaneous Expense - Generation	549.00	Demand	-	-	-	-	Prod
6	Miscellaneous Expense - Generation - Labor		Demand	-	-	-	-	Prod
7	Rental Expense - Generation	550.00	Demand	10,503	-	10,503	-	Prod
8	Purchased Power - Miscellaneous	555.00	Energy	-	-	-	-	Prod
9	Purchased Power - Bonneville Power	555.10	Blank	-	-	-	-	Prod
10	BPA Block	555.10	BPA Block	6,362,503	4,768,995	1,593,508	-	Prod
11	BPA Slice	555.10	BPA Slice	8,365,192	7,167,246	1,197,946	-	Prod
12	BPA Transmission and Ancillary Services	555.10	Demand	2,138,700	-	2,138,700	-	Prod
13	BPA Irrigation Customer Class Credit	555.10	Blank	-	-	-	-	Prod
14	Purchased Power - Wells Dam Power	555.20	Wells	4,142,824	2,943,965	1,198,858	-	Prod
15	Purchased Power - Nine Canyon Wind	555.70	Nine Canyon Wind	2,827,331	2,207,693	619,638	-	Prod
16	System Control and Load Dispatch	556.00	Demand	432,572	-	432,572	-	Prod
17	Power Supply Expense	557.00	Demand	467,897	-	467,897	-	Prod
18	Power Supply Expense - Labor		Demand	185,679	-	185,679	-	Prod
19	TOTAL POWER COSTS			25,031,043	17,087,899	7,943,144	-	
20	Operation Supervision and Engineering	560.00	Blank	-	-	-	-	Trans
21	Operation Supervision and Engineering - Labor		Blank	-	-	-	-	Trans
22	Overhead Line Expense	563.00	Blank	-	-	-	-	Trans
23	Overhead Line Expense - Labor		Blank	-	-	-	-	Trans
24	Misc Transmission Expense	566.00	Blank	-	-	-	-	Trans
25	Misc Transmission Expense - Labor		Blank	-	-	-	-	Trans
26	Rents	567.00	Blank	-	-	-	-	Trans
27	Maintenance Supervision and Engineering	568.00	Blank	-	-	-	-	Trans
28	Maintenance Supervision and Engineering - Labor		Blank	-	-	-	-	Trans
29	Maintenance of Overhead Lines	571.00	Blank	-	-	-	-	Trans
30	Maintenance of Overhead Lines - Labor		Blank	-	-	-	-	Trans
31	TOTAL TRANSMISSION OPERATION			-	-	-	-	

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Classification of Production Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year	Production			Functionalization
				2013	Energy	Demand	Customer	Factor
32	Operation Supervision and Engineering	580.00	Blank	-	-	-	-	Dist
33	Operation Supervision and Engineering - Labor		Blank	-	-	-	-	Dist
34	Station Operation Expenses	582.00	Blank	-	-	-	-	Dist
35	Station Operation Expenses - Labor		Blank	-	-	-	-	Dist
36	Overhead Line Expenses	583.00	Blank	-	-	-	-	Dist
37	Overhead Line Expenses - Labor		Blank	-	-	-	-	Dist
38	Underground Line Expenses	584.00	Blank	-	-	-	-	Dist
39	Underground Line Expenses - Labor		Blank	-	-	-	-	Dist
40	Street Lighting/Signal Systems	585.00	Blank	-	-	-	-	Dist
41	Street Lighting/Signal Systems - Labor		Blank	-	-	-	-	Dist
42	Operations Meter Expenses	586.00	Blank	-	-	-	-	Dist
43	Operations Meter Expenses - Labor		Blank	-	-	-	-	Dist
44	Customer Installation Expenses	587.00	Blank	-	-	-	-	Dist
45	Customer Installation Expenses - Labor		Blank	-	-	-	-	Dist
46	Miscellaneous Distribution Expenses	588.00	Blank	-	-	-	-	Dist
47	Miscellaneous Distribution Expenses - Labor		Blank	-	-	-	-	Dist
48	Operations Internal Telecom	588.10	Blank	-	-	-	-	Dist
49	Operations Internal Telecom - Labor		Blank	-	-	-	-	Dist
50	Rents	589.00	Blank	-	-	-	-	Dist
51	Maintenance Supervision and Engineering	590.00	Blank	-	-	-	-	Dist
52	Maintenance Supervision and Engineering - Labor		Blank	-	-	-	-	Dist
53	Maintenance of Station Equipment	592.00	Blank	-	-	-	-	Dist
54	Maintenance of Station Equipment - Labor		Blank	-	-	-	-	Dist
55	Maintenance of Overhead Lines	593.00	Blank	-	-	-	-	Dist
56	Maintenance of Overhead Lines - Labor		Blank	-	-	-	-	Dist
57	Maintenance of Underground Lines	594.00	Blank	-	-	-	-	Dist
58	Maintenance of Underground Lines - Labor		Blank	-	-	-	-	Dist
59	Maintenance of Line Transformers	595.00	Blank	-	-	-	-	Dist
60	Maintenance of Line Transformers - Labor		Blank	-	-	-	-	Dist
61	Maintenance of Street Lights & Signal Systems	596.00	Blank	-	-	-	-	Dist
62	Maintenance of Street Lights & Signal Systems - Labor		Blank	-	-	-	-	Dist
63	Maintenance of Meters	597.00	Blank	-	-	-	-	Dist
64	Operations Miscellaneous Maintenance	598.00	Blank	-	-	-	-	Dist
65	Operations Miscellaneous Maintenance - Labor		Blank	-	-	-	-	Dist
66	TOTAL DISTRIBUTION OPERATION			-	-	-	-	

Okanogan County PUD
2013 Electric System Rate Study
Classification of Production Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year	Production			Functionalization Factor
				2013	Energy	Demand	Customer	
67	Meter Reading Expenses	902.00	Blank	-	-	-	-	Dist
68	Meter Reading Expenses - Labor		Blank	-	-	-	-	Dist
69	Operations - Collections	903.00	Blank	-	-	-	-	Dist
70	Operations - Collections - Labor		Blank	-	-	-	-	Dist
71	Uncollectible Accounts	904.00	Blank	-	-	-	-	Dist
72	Uncollectible Accounts-Con Loan	904.10	Blank	-	-	-	-	Dist
73	TOTAL CUSTOMER ACCOUNTS			-	-	-	-	
74	Revenues from Jobbing & Contract	415.00	Blank	-	-	-	-	Dist
75	Revenues from Bulb Sales - (CR)	415.10	Blank	-	-	-	-	Dist
76	Costs & Exp. Of Jobbing and Contract	416.00	Blank	-	-	-	-	Dist
77	Costs & Exp. Of Jobbing and Contract - Labor		Blank	-	-	-	-	Dist
78	Purchases for Resale (Bulbs)	416.10	Blank	-	-	-	-	Dist
79	Customer Assistance Expenses	908.00	Blank	-	-	-	-	Dist
80	Customer Assistance Expenses - Labor		Blank	-	-	-	-	Dist
81	Informational and Instructional Ad	909.00	Blank	-	-	-	-	Dist
82	Informational and Instructional Ad - Labor		Blank	-	-	-	-	Dist
83	Miscellaneous Customer Service and Information	910.00	Blank	-	-	-	-	Dist
84	TOTAL CUSTOMER SERVICE AND INFORMATION			-	-	-	-	

Okanogan County PUD
2013 Electric System Rate Study
Classification of Production Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year	Production			Functionalization Factor
				2013	Energy	Demand	Customer	
85	Administrative & General Salaries	920.00	Labor less A&G	11,796	-	11,796	-	Labor
86	Administrative & General Salaries - Labor		Labor less A&G	90,040	-	90,040	-	Labor
87	Office Supplies & Expenses	921.00	Labor less A&G	24,098	-	24,098	-	Labor
88	Outside Services Employed	923.00	Labor less A&G	21,760	-	21,760	-	Labor
89	Property Insurance	924.00	Gross Plant	812	-	812	-	Gross Plant
90	Injuries and Damages	925.00	Labor less A&G	11,207	-	11,207	-	Labor
91	Injuries and Damages - Labor		Labor less A&G	-	-	-	-	Labor
92	Employee Pensions and Benefits	926.00	Labor less A&G	(86,233)	-	(86,233)	-	Labor
93	Employee Pensions and Benefits - Labor		Labor less A&G	2,107	-	2,107	-	Labor
94	Supplemental Leave Balance	926.10	Labor less A&G	-	-	-	-	Labor
95	Industrial Leave	926.20	Labor less A&G	-	-	-	-	Labor
96	Short Term Disability	926.30	Labor less A&G	267	-	267	-	Labor
97	Short Term Disability - Labor		Labor less A&G	1,765	-	1,765	-	Labor
98	Employer Contributions for 401(A)	926.40	Labor less A&G	9,883	-	9,883	-	Labor
99	Employer Contributions for HRA V	926.45	Labor less A&G	6,349	-	6,349	-	Labor
100	Pensions and Benefits - CWPU Trust	926.50	Labor less A&G	67,457	-	67,457	-	Labor
101	Miscellaneous General Exp Boc	930.00	Labor less A&G	12,287	-	12,287	-	Labor
102	Miscellaneous General Exp Boc - Labor		Labor less A&G	5,633	-	5,633	-	Labor
103	Rents - G&A	931.00	Gen Plant	37	-	37	-	Gen Plant
104	Maintenance of General Plant	935.00	Gen Plant	1,861	-	1,861	-	Gen Plant
105	Maintenance of General Plant - Labor		Gen Plant	525	-	525	-	Gen Plant
106	TOTAL ADMINISTRATIVE AND GENERAL			181,652	-	181,652	-	
107	Depreciation Expense - Production		Blank	-	-	-	-	Prod
108	Depreciation Expense - Transmission	403.10	Blank	-	-	-	-	Trans
109	Depreciation Expense - Distribution	403.30	Blank	-	-	-	-	Dist
110	Depreciation Expense - General	403.40	Gen Plant	5,550	-	5,550	-	Gen Plant
111	Amortization Expense - Acquisition Adj	406.00	Blank	-	-	-	-	Trans
112	TOTAL DEPRECIATION AND AMORTIZATION			5,550	-	5,550	-	
113	State Utility Tax	408.11	All Resources	833,996	651,369	182,627	-	Rev Less Wholesale
114	State Privilege Tax	408.12	All Resources	440,970	344,408	96,563	-	Rev Less Wholesale
115	Retailing and Wholesaling Tax	408.13	All Resources	62	48	14	-	Rev Less Wholesale
116	Service Tax (Carrying Charges)	408.16	All Resources	11,558	9,027	2,531	-	Rev Less Wholesale
117	Unemployment Compensating Tax	408.21	Labor less A&G	92	-	92	-	Labor
118	State Industrial and Medical Tax	408.23	Labor less A&G	(22)	-	(22)	-	Labor
119	Leasehold Tax	408.80	Blank	-	-	-	-	Rev Less Wholesale
120	TOTAL TAXES			1,286,657	1,004,853	281,804	-	
121	TOTAL OPERATING EXPENSES			26,504,901	18,092,752	8,412,149	0	
122	Check			-				

Okanogan County PUD
2013 Electric System Rate Study
Classification of Production Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year 2013	Production			Functionalization Factor
					Energy	Demand	Customer	
123	FIXED CHARGES							
124								
125	Interest on Long Term Debt - 2003 Bonds	427.00	Net Plant	30,610	-	30,610	-	Net Plant
126	Interest on Long Term Debt - 2010 Bonds	427.80	Net Plant	138,940	-	138,940	-	Net Plant
127	Amortization of Debt Expense and Loss -2001	428.50	Net Plant	2,253	-	2,253	-	Net Plant
128	Amortization of Debt Expense and Loss -2002	428.60	Net Plant	4,524	-	4,524	-	Net Plant
129	Amortization of Debt Expense and Loss -2003	428.70	Net Plant	1,250	-	1,250	-	Net Plant
130	Amortization of Debt Expense and Loss -2010	428.80	Net Plant	918	-	918	-	Net Plant
131	Amortization of Debt Premium -2010	429.80	Net Plant	(1,292)	-	(1,292)	-	Net Plant
132	TOTAL INTEREST ON LONG TERM DEBT			177,203	-	177,203	-	
133	NET OPERATING MARGIN			n/a	n/a	n/a	n/a	
134	Check							
135	INTEREST INCOME							
136								
137	Interest Income	419.00	Net Plant	5,034	-	5,034	-	Net Plant
138	Interest Income - Interdivisional	419.10	Net Plant	16,258	-	16,258	-	Net Plant
139	Miscellaneous Non-Operating Income	421.00	Net Plant	68,259	-	68,259	-	Net Plant
140	Gain or Loss on Disposition of Property	421.10	Net Plant	62	-	62	-	Net Plant
141	TOTAL INTEREST INCOME			89,613	-	89,613	-	
142	Contributions in Aid of Construction	422.00	Blank	-	-	-	-	Dist
143	TOTAL CONTRIBUTIONS AND DONATIONS			-	-	-	-	
144	Use of Rate Stabilization Funds		Purch Pwr	1,420,926	1,018,631	402,295	-	Ops Revs
145	TOTAL USE OF RATE STABILIZATION FUNDS			1,420,926	1,018,631	402,295	-	
146	Margins or Increase in Net Assets		Net Plant	85,976	-	85,976	-	TIER
147	Operating Revenue Requirement			26,768,081	18,092,752	8,675,329	0	
148	Less Contributions in Aid of Construction		Blank	0	-	-	-	Dist
149	Less Non-Operating Revenue			89,613	0	89,613	0	
150	Less Use of Rate Stabilization Funds			1,420,926	1,018,631	402,295	0	
151	Less Other Electric Revenues		RevReqt	85,343	57,692	27,651	-	RateBs
152	Revenue Requirement from Rates			25,172,199	17,016,429	8,155,770	-	
153	Wholesale Revenues		Energy	(2,640,925)	(2,640,925)	-	-	Prod
154	Revenue Requirement from Retail Rates			22,531,274	14,375,504	8,155,770	0	

Okanogan County PUD
2013 Electric System Rate Study
Classification of Production Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year	Production			Functionalization Factor
				2013	Energy	Demand	Customer	
RATE BASE								
155	Organization - Intangible Plant	301.00	Demand	171	-	171	-	Gr PTD Plant
156	Misc Intangible Plant	303.00	Demand	378	-	378	-	Gr PTD Plant
157	TOTAL INTANGIBLE PLANT			549	-	549	-	
158	Land and Land Rights	330.00	Demand	8,145	-	8,145	-	Prod
159	Structures & Improvements	331.00	Demand	106,196	-	106,196	-	Prod
160	Reservoirs, Dams, & Waterways	332.00	Demand	271,978	-	271,978	-	Prod
161	Water Wheels, Turbines, & Generators	333.00	Demand	161,950	-	161,950	-	Prod
162	Accessory Electric Equipment	334.00	Demand	19,418	-	19,418	-	Prod
163	Misc Power Plant Equipment	335.00	Demand	20,707	-	20,707	-	Prod
164	TOTAL HYDROELECTRIC PLANT			588,393	-	588,393	-	
165	Land and Land Rights	350.00	Blank	-	-	-	-	Trans
166	Structures and Improvements	352.00	Blank	-	-	-	-	Trans
167	Station Equipment	353.00	Blank	-	-	-	-	Trans
168	Towers and Fixtures	354.00	Blank	-	-	-	-	Trans
169	Poles and Fixtures	355.00	Blank	-	-	-	-	Trans
170	Overhead Conductors and Devices	356.00	Blank	-	-	-	-	Trans
171	Underground Conduits-Trans	357.00	Blank	-	-	-	-	Trans
172	UG Conductors & Devices-Trans	358.00	Blank	-	-	-	-	Trans
173	TOTAL TRANSMISSION PLANT			-	-	-	-	
174	Land and Land Rights	360.00	Blank	-	-	-	-	Dist
175	Structures and Improvements	361.00	Blank	-	-	-	-	Dist
176	Station Equipment	362.00	Blank	-	-	-	-	Dist
177	Poles, Towers, and Fixtures	364.00	Blank	-	-	-	-	Dist
178	Overhead Conductors and Devices	365.00	Blank	-	-	-	-	Dist
179	Underground Conduit	366.00	Blank	-	-	-	-	Dist
180	Underground Conductors and Devices	367.00	Blank	-	-	-	-	Dist
181	Line Transformers	368.00	Blank	-	-	-	-	Dist
182	Services	369.00	Blank	-	-	-	-	Dist
183	Meters	370.00	Blank	-	-	-	-	Dist
184	Installations on Customer's Premises	371.00	Blank	-	-	-	-	Dist
185	Leased Property	372.00	Blank	-	-	-	-	Dist
186	Street Lighting and Signal Systems	373.00	Blank	-	-	-	-	Dist
187	TOTAL DISTRIBUTION PLANT			-	-	-	-	

Okanogan County PUD
2013 Electric System Rate Study
Classification of Production Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year	Production			Functionalization Factor
				2013	Energy	Demand	Customer	
188	Land and Land Rights	389.00	Gross Plant	4,305	-	4,305	-	Gr PTD Plant
189	Structures and Improvements	390.00	Gross Plant	71,365	-	71,365	-	Gr PTD Plant
190	Office Furniture & Equipment - General	391.00	Gross Plant	14,532	-	14,532	-	Gr PTD Plant
191	Computer Equipment	391.00	Gross Plant	-	-	-	-	Gr PTD Plant
192	Transportation Equipment	392.00	Gross Plant	28,052	-	28,052	-	Gr PTD Plant
193	Stores Equipment	393.00	Gross Plant	410	-	410	-	Gr PTD Plant
194	Tools, Shop, and Garage Equip	394.00	Gross Plant	6,379	-	6,379	-	Gr PTD Plant
195	Laboratory Equipment	395.00	Gross Plant	2,069	-	2,069	-	Gr PTD Plant
196	Power Operated Equipment	396.00	Gross Plant	6,086	-	6,086	-	Gr PTD Plant
197	Communication Equipment	397.00	Gross Plant	5,044	-	5,044	-	Gr PTD Plant
198	Communication Equipment - Internal Telecom	397.10	Gross Plant	22,923	-	22,923	-	Gr PTD Plant
199	Miscellaneous Equipment	398.00	Gross Plant	658	-	658	-	Gr PTD Plant
200	Other Tangible Property - General	399.00	Gross Plant	0	-	0	-	Gr PTD Plant
201	TOTAL GENERAL PLANT			161,824	-	161,824	-	
202	SUBTOTAL ELECTRIC PLANT IN SERVICE			750,766	-	750,766	-	
203	Construction Work in Progress		Demand	7,922,525	-	7,922,525	-	CWIP
204	TOTAL ELECTRIC PLANT			8,673,290	0	8,673,290	0	
205	Working Capital							
206	O&M		O&M L F&PP	438,633	165,181	273,452	-	O&M L
207	Fuel & Purchased Power		Demand	2,938,753	-	2,938,753	-	Prod
208	Materials & Supplies		Net Plant	248,241	-	248,241	-	Net Plant
209	Prepayments		Net Plant	14,333	-	14,333	-	Net Plant
210	Deferred Debits		Net Plant	401,508	-	401,508	-	Net Plant
211	SUBTOTAL WORKING CAPITAL			4,041,468	165,181	3,876,287	-	
212	Less Accumulated Depreciation	1080.00						
213	Production		Demand	(568,707)	-	(568,707)	-	Prod
214	Transmission		Blank	-	-	-	-	Trans
215	Distribution		Blank	-	-	-	-	Dist
216	General		Demand	(60,739)	-	(60,739)	-	Gen Plant
217	Accum Depr Manual	1080.00	Blank	-	-	-	-	Blank
218	RWIP	1088.00	Demand	(205)	-	(205)	-	Gross Plant
219	Loss Due to Retirement	1089.00	Blank	-	-	-	-	Blank
220	Accum Provision for Amortization	1150.00	Blank	-	-	-	-	Blank
221	TOTAL ACCUMULATED DEPRECIATION AND AMORTIZATION			(629,651)	-	(629,651)	-	
222	NET RATE BASE			12,085,108	165,181	11,919,927	0	

Okanogan County PUD
2013 Electric System Rate Study
Classification of Production Expenses
Adjusted Test Year 2013

			Production			
Line	Production Factor	Factor	Energy	Demand	Customer	Total
1		Energy	100.0%	0.0%	0.0%	100.0%
2	Energy	Energy Factor	100.0%	0.0%	0.0%	100.0%
3						
4		Demand	0.0%	100.0%	0.0%	100.0%
5	Demand	Demand Factor	0.0%	100.0%	0.0%	100.0%
6						
7		BPA Slice	85.7%	14.3%	0.0%	100.0%
8	BPA Slice	BPA Slice Factor	85.7%	14.3%	0.0%	100.0%
9						
10		BPA Block	75.0%	25.0%	0.0%	100.0%
11	BPA Block	BPA Block Factor	75.0%	25.0%	0.0%	100.0%
12						
13		Wells	71.1%	28.9%	0.0%	100.0%
14	Wells	Wells Factor	71.1%	28.9%	0.0%	100.0%
15						
16		Nine Canyon Wind	78.1%	21.9%	0.0%	100.0%
17	Nine Canyon Wind	Nine Canyon Wind Factor	78.1%	21.9%	0.0%	100.0%
18						
19		Weighted Average - All Resources	78.1%	21.9%	0.0%	100.0%
20	All Resources	All Resources Factor	78.1%	21.9%	0.0%	100.0%
21						
22		O&M less Fuel & Purch Power	1,004,853	1,663,500	-	2,668,352
23	O&M L F&PP	O&M less Fuel & Purch Power Factor	37.7%	62.3%	0.0%	100.0%
24						
25		Labor less A&G Labor	-	247,208	-	247,208
26	Labor less A&G	Labor less A&G Labor Factor	0.0%	100.0%	0.0%	100.0%
27						
28		A&G Labor	-	100,070	-	100,070
29	A&G Labor	A&G Labor Factor	0.0%	100.0%	0.0%	100.0%
30						
31		Purchased Power	17,087,899	6,748,649	-	23,836,549
32	Purch Pwr	Purchased Power Factor	71.7%	28.3%	0.0%	100.0%
33						

Okanogan County PUD
 2013 Electric System Rate Study
 Classification of Production Expenses
 Adjusted Test Year 2013

			<u>Production</u>			
<u>Line</u>	<u>Production Factor</u>	<u>Factor</u>	<u>Energy</u>	<u>Demand</u>	<u>Customer</u>	<u>Total</u>
34		Rate Base	165,181	11,919,927	-	12,085,108
35	RateBs	Rate Base Factor	1.4%	98.6%	0.0%	100.0%
36						
37		Fuel & Purchased Power	17,087,899	6,748,649	-	23,836,549
38	Fuel & PP	Fuel & purchased power Factor	71.7%	28.3%	0.0%	100.0%
39						
40		Revenue Requirement	17,016,429	8,155,770	-	25,172,199
41	RevReqt	Revenue Requirement Factor	67.6%	32.4%	0.0%	100.0%
42						
43		Production Plant	-	588,393	-	588,393
44	PrPlt	Production Plant Factor	0.0%	100.0%	0.0%	100.0%
45						
46		Gross Plant	-	8,673,290	-	8,673,290
47	Gross Plant	Gross Plant Factor	0.0%	100.0%	0.0%	100.0%
48						
49		General Plant	-	161,824	-	161,824
50	Gen Plant	General Plant Factor	0.0%	100.0%	0.0%	100.0%
51						
52		Net Plant	-	8,043,640	-	8,043,640
53	Net Plant	Net Plant Factor	0.0%	100.0%	0.0%	100.0%

Okanogan County PUD
2013 Electric System Rate Study
Classification of Transmission Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year 2013	Transmission		
					Energy	Demand	Customer
REVENUE REQUIREMENTS							
1	OPERATING EXPENSES						
2							
3	Miscellaneous Hydraulic Power Expense	539.00	Blank	-	-	-	-
4	Miscellaneous Hydraulic Power Expense - Labor		Blank	-	-	-	-
5	Miscellaneous Expense - Generation	549.00	Blank	-	-	-	-
6	Miscellaneous Expense - Generation - Labor		Blank	-	-	-	-
7	Rental Expense - Generation	550.00	Blank	-	-	-	-
8	Purchased Power - Miscellaneous	555.00	Blank	-	-	-	-
9	Purchased Power - Bonneville Power	555.10	Blank	-	-	-	-
10	BPA Block	555.10	Blank	-	-	-	-
11	BPA Slice	555.10	Blank	-	-	-	-
12	BPA Transmission and Ancillary Services	555.10	Blank	-	-	-	-
13	BPA Irrigation Customer Class Credit	555.10	Blank	-	-	-	-
14	Purchased Power - Wells Dam Power	555.20	Blank	-	-	-	-
15	Purchased Power - Nine Canyon Wind	555.70	Blank	-	-	-	-
16	System Control and Load Dispatch	556.00	Blank	-	-	-	-
17	Power Supply Expense	557.00	Blank	-	-	-	-
18	Power Supply Expense - Labor		Blank	-	-	-	-
19	TOTAL POWER COSTS			-	-	-	-
20	Operation Supervision and Engineering	560.00	Demand	-	-	-	-
21	Operation Supervision and Engineering - Labor		Demand	-	-	-	-
22	Overhead Line Expense	563.00	Demand	3,896	-	3,896	-
23	Overhead Line Expense - Labor		Demand	12,332	-	12,332	-
24	Misc Transmission Expense	566.00	Demand	460	-	460	-
25	Misc Transmission Expense - Labor		Demand	-	-	-	-
26	Rents	567.00	Demand	-	-	-	-
27	Maintenance Supervision and Engineering	568.00	Demand	654	-	654	-
28	Maintenance Supervision and Engineering - Labor		Demand	2,584	-	2,584	-
29	Maintenance of Overhead Lines	571.00	Demand	24,301	-	24,301	-
30	Maintenance of Overhead Lines - Labor		Demand	7,614	-	7,614	-
31	TOTAL TRANSMISSION OPERATION			51,840	-	51,840	-

Okanogan County PUD
2013 Electric System Rate Study
Classification of Transmission Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year 2013	Transmission		
					Energy	Demand	Customer
32	Operation Supervision and Engineering	580.00	Blank	-	-	-	-
33	Operation Supervision and Engineering - Labor		Blank	-	-	-	-
34	Station Operation Expenses	582.00	Blank	-	-	-	-
35	Station Operation Expenses - Labor		Blank	-	-	-	-
36	Overhead Line Expenses	583.00	Blank	-	-	-	-
37	Overhead Line Expenses - Labor		Blank	-	-	-	-
38	Underground Line Expenses	584.00	Blank	-	-	-	-
39	Underground Line Expenses - Labor		Blank	-	-	-	-
40	Street Lighting/Signal Systems	585.00	Blank	-	-	-	-
41	Street Lighting/Signal Systems - Labor		Blank	-	-	-	-
42	Operations Meter Expenses	586.00	Blank	-	-	-	-
43	Operations Meter Expenses - Labor		Blank	-	-	-	-
44	Customer Installation Expenses	587.00	Blank	-	-	-	-
45	Customer Installation Expenses - Labor		Blank	-	-	-	-
46	Miscellaneous Distribution Expenses	588.00	Blank	-	-	-	-
47	Miscellaneous Distribution Expenses - Labor		Blank	-	-	-	-
48	Operations Internal Telecom	588.10	Blank	-	-	-	-
49	Operations Internal Telecom - Labor		Blank	-	-	-	-
50	Rents	589.00	Blank	-	-	-	-
51	Maintenance Supervision and Engineering	590.00	Blank	-	-	-	-
52	Maintenance Supervision and Engineering - Labor		Blank	-	-	-	-
53	Maintenance of Station Equipment	592.00	Blank	-	-	-	-
54	Maintenance of Station Equipment - Labor		Blank	-	-	-	-
55	Maintenance of Overhead Lines	593.00	Blank	-	-	-	-
56	Maintenance of Overhead Lines - Labor		Blank	-	-	-	-
57	Maintenance of Underground Lines	594.00	Blank	-	-	-	-
58	Maintenance of Underground Lines - Labor		Blank	-	-	-	-
59	Maintenance of Line Transformers	595.00	Blank	-	-	-	-
60	Maintenance of Line Transformers - Labor		Blank	-	-	-	-
61	Maintenance of Street Lights & Signal Systems	596.00	Blank	-	-	-	-
62	Maintenance of Street Lights & Signal Systems - Labor		Blank	-	-	-	-
63	Maintenance of Meters	597.00	Blank	-	-	-	-
64	Operations Miscellaneous Maintenance	598.00	Blank	-	-	-	-
65	Operations Miscellaneous Maintenance - Labor		Blank	-	-	-	-
66	TOTAL DISTRIBUTION OPERATION			-	-	-	-
67	Meter Reading Expenses	902.00	Blank	-	-	-	-
68	Meter Reading Expenses - Labor		Blank	-	-	-	-
69	Operations - Collections	903.00	Blank	-	-	-	-
70	Operations - Collections - Labor		Blank	-	-	-	-
71	Uncollectible Accounts	904.00	Blank	-	-	-	-
72	Uncollectible Accounts-Con Loan	904.10	Blank	-	-	-	-
73	TOTAL CUSTOMER ACCOUNTS			-	-	-	-

Okanogan County PUD
2013 Electric System Rate Study
Classification of Transmission Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year 2013	Transmission		
					Energy	Demand	Customer
74	Revenues from Jobbing & Contract	415.00	Blank	-	-	-	-
75	Revenues from Bulb Sales - (CR)	415.10	Blank	-	-	-	-
76	Costs & Exp. Of Jobbing and Contract	416.00	Blank	-	-	-	-
77	Costs & Exp. Of Jobbing and Contract - Labor		Blank	-	-	-	-
78	Purchases for Resale (Bulbs)	416.10	Blank	-	-	-	-
79	Customer Assistance Expenses	908.00	Blank	-	-	-	-
80	Customer Assistance Expenses - Labor		Blank	-	-	-	-
81	Informational and Instructional Ad	909.00	Blank	-	-	-	-
82	Informational and Instructional Ad - Labor		Blank	-	-	-	-
83	Miscellaneous Customer Service and Information	910.00	Blank	-	-	-	-
84	TOTAL CUSTOMER SERVICE AND INFORMATION			-	-	-	-
85	Administrative & General Salaries	920.00	Demand	1,075	-	1,075	-
86	Administrative & General Salaries - Labor		Demand	8,206	-	8,206	-
87	Office Supplies & Expenses	921.00	Demand	2,196	-	2,196	-
88	Outside Services Employed	923.00	Demand	1,983	-	1,983	-
89	Property Insurance	924.00	Gross Plant	6,511	-	6,511	-
90	Injuries and Damages	925.00	Demand	1,021	-	1,021	-
91	Injuries and Damages - Labor		Demand	-	-	-	-
92	Employee Pensions and Benefits	926.00	Demand	(7,859)	-	(7,859)	-
93	Employee Pensions and Benefits - Labor		Demand	192	-	192	-
94	Supplemental Leave Balance	926.10	Demand	-	-	-	-
95	Industrial Leave	926.20	Demand	-	-	-	-
96	Short Term Disability	926.30	Demand	24	-	24	-
97	Short Term Disability - Labor		Demand	161	-	161	-
98	Employer Contributions for 401(A)	926.40	Demand	901	-	901	-
99	Employer Contributions for HRA V	926.45	Demand	579	-	579	-
100	Pensions and Benefits - CWPU Trust	926.50	Demand	6,148	-	6,148	-
101	Miscellaneous General Exp Boc	930.00	Demand	1,120	-	1,120	-
102	Miscellaneous General Exp Boc - Labor		Demand	513	-	513	-
103	Rents - G&A	931.00	Demand	299	-	299	-
104	Maintenance of General Plant	935.00	Demand	14,919	-	14,919	-
105	Maintenance of General Plant - Labor		Demand	4,207	-	4,207	-
106	TOTAL ADMINISTRATIVE AND GENERAL			42,195	-	42,195	-
107	Depreciation Expense - Production		Blank	-	-	-	-
108	Depreciation Expense - Transmission	403.10	Demand	100,585	-	100,585	-
109	Depreciation Expense - Distribution	403.30	Blank	-	-	-	-
110	Depreciation Expense - General	403.40	Demand	44,492	-	44,492	-
111	Amortization Expense - Acquisition Adj	406.00	Demand	28,025	-	28,025	-
112	TOTAL DEPRECIATION AND AMORTIZATION			173,102	-	173,102	-
113	State Utility Tax	408.11	Demand	15,494	-	15,494	-
114	State Privilege Tax	408.12	Demand	8,192	-	8,192	-
115	Retailing and Wholesaling Tax	408.13	Demand	1	-	1	-
116	Service Tax (Carrying Charges)	408.16	Demand	215	-	215	-
117	Unemployment Compensating Tax	408.21	Demand	8	-	8	-
118	State Industrial and Medical Tax	408.23	Demand	(2)	-	(2)	-
119	Leasehold Tax	408.80	Demand	-	-	-	-
120	TOTAL TAXES			23,908	-	23,908	-
121	TOTAL OPERATING EXPENSES			291,045	0	291,045	0
122	Check			-			

Okanogan County PUD
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Classification of Transmission Expenses
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Line	Description	Account	Classification Factor	Adjusted Test Year 2013	Transmission		
					Energy	Demand	Customer
123	FIXED CHARGES						
124							
125	Interest on Long Term Debt - 2003 Bonds	427.00	Demand	42,678	-	42,678	-
126	Interest on Long Term Debt - 2010 Bonds	427.80	Demand	193,714	-	193,714	-
127	Amortization of Debt Expense and Loss -2001	428.50	Demand	3,142	-	3,142	-
128	Amortization of Debt Expense and Loss -2002	428.60	Demand	6,307	-	6,307	-
129	Amortization of Debt Expense and Loss -2003	428.70	Demand	1,743	-	1,743	-
130	Amortization of Debt Expense and Loss -2010	428.80	Demand	1,280	-	1,280	-
131	Amortization of Debt Premium -2010	429.80	Demand	(1,802)	-	(1,802)	-
132	TOTAL INTEREST ON LONG TERM DEBT			247,063	-	247,063	-
133	NET OPERATING MARGIN			n/a	n/a	n/a	n/a
134	Check						
135	INTEREST INCOME						
136							
137	Interest Income	419.00	Demand	7,019	-	7,019	-
138	Interest Income - Interdivisional	419.10	Demand	22,667	-	22,667	-
139	Miscellaneous Non-Operating Income	421.00	Demand	95,169	-	95,169	-
140	Gain or Loss on Disposition of Property	421.10	Demand	86	-	86	-
141	TOTAL INTEREST INCOME			124,941	-	124,941	-
142	Contributions in Aid of Construction	422.00	Blank	-	-	-	-
143	TOTAL CONTRIBUTIONS AND DONATIONS			-	-	-	-
144	Use of Rate Stabilization Funds		Demand	28,390	-	28,390	-
145	TOTAL USE OF RATE STABILIZATION FUNDS			28,390	-	28,390	-
146	Margins or Increase in Net Assets		Demand	119,871	-	119,871	-
147	Operating Revenue Requirement			657,979	0	657,979	0
148	Less Contributions in Aid of Construction		Blank	0	-	-	-
149	Less Non-Operating Revenue			124,941	0	124,941	0
150	Less Use of Rate Stabilization Funds			28,390	0	28,390	0
151	Less Other Electric Revenues		Demand	86,072	-	86,072	-
152	Revenue Requirement from Rates			418,576	-	418,576	-
153	Wholesale Revenues		Blank	-	-	-	-
154	Revenue Requirement from Retail Rates			418,576	0	418,576	0

Okanogan County PUD
2013 Electric System Rate Study
Classification of Transmission Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year 2013	Transmission		
					Energy	Demand	Customer
RATE BASE							
155	Organization - Intangible Plant	301.00	Demand	1,368	-	1,368	-
156	Misc Intangible Plant	303.00	Demand	3,033	-	3,033	-
157	TOTAL INTANGIBLE PLANT			4,401	-	4,401	-
158	Land and Land Rights	330.00	Blank	-	-	-	-
159	Structures & Improvements	331.00	Blank	-	-	-	-
160	Reservoirs, Dams, & Waterways	332.00	Blank	-	-	-	-
161	Water Wheels, Turbines, & Generators	333.00	Blank	-	-	-	-
162	Accessory Electric Equipment	334.00	Blank	-	-	-	-
163	Misc Power Plant Equipment	335.00	Blank	-	-	-	-
164	TOTAL HYDROELECTRIC PLANT			-	-	-	-
165	Land and Land Rights	350.00	Demand	152,482	-	152,482	-
166	Structures and Improvements	352.00	Blank	-	-	-	-
167	Station Equipment	353.00	Blank	-	-	-	-
168	Towers and Fixtures	354.00	Demand	109,867	-	109,867	-
169	Poles and Fixtures	355.00	Demand	2,075,682	-	2,075,682	-
170	Overhead Conductors and Devices	356.00	Demand	2,379,044	-	2,379,044	-
171	Underground Conduits-Trans	357.00	Blank	-	-	-	-
172	UG Conductors & Devices-Trans	358.00	Blank	-	-	-	-
173	TOTAL TRANSMISSION PLANT			4,717,075	-	4,717,075	-
174	Land and Land Rights	360.00	Blank	-	-	-	-
175	Structures and Improvements	361.00	Blank	-	-	-	-
176	Station Equipment	362.00	Blank	-	-	-	-
177	Poles, Towers, and Fixtures	364.00	Blank	-	-	-	-
178	Overhead Conductors and Devices	365.00	Blank	-	-	-	-
179	Underground Conduit	366.00	Blank	-	-	-	-
180	Underground Conductors and Devices	367.00	Blank	-	-	-	-
181	Line Transformers	368.00	Blank	-	-	-	-
182	Services	369.00	Blank	-	-	-	-
183	Meters	370.00	Blank	-	-	-	-
184	Installations on Customer's Premises	371.00	Blank	-	-	-	-
185	Leased Property	372.00	Blank	-	-	-	-
186	Street Lighting and Signal Systems	373.00	Blank	-	-	-	-
187	TOTAL DISTRIBUTION PLANT			-	-	-	-

Okanogan County PUD
2013 Electric System Rate Study
Classification of Transmission Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year 2013	Transmission		
					Energy	Demand	Customer
188	Land and Land Rights	389.00	Demand	34,515	-	34,515	-
189	Structures and Improvements	390.00	Demand	572,125	-	572,125	-
190	Office Furniture & Equipment - General	391.00	Demand	116,504	-	116,504	-
191	Computer Equipment	391.00	Blank	-	-	-	-
192	Transportation Equipment	392.00	Demand	224,892	-	224,892	-
193	Stores Equipment	393.00	Demand	3,290	-	3,290	-
194	Tools, Shop, and Garage Equip	394.00	Demand	51,138	-	51,138	-
195	Laboratory Equipment	395.00	Demand	16,586	-	16,586	-
196	Power Operated Equipment	396.00	Demand	48,791	-	48,791	-
197	Communication Equipment	397.00	Demand	40,438	-	40,438	-
198	Communication Equipment - Internal Telecom	397.10	Demand	183,768	-	183,768	-
199	Miscellaneous Equipment	398.00	Demand	5,274	-	5,274	-
200	Other Tangible Property - General	399.00	Demand	1	-	1	-
201	TOTAL GENERAL PLANT			1,297,321	-	1,297,321	-
202	SUBTOTAL ELECTRIC PLANT IN SERVICE			6,018,797	-	6,018,797	-
203	Construction Work in Progress		Demand	7,935,668	-	7,935,668	-
204	TOTAL ELECTRIC PLANT			13,954,464	0	13,954,464	0
205	Working Capital						
206	O&M		Demand	47,843	-	47,843	-
207	Fuel & Purchased Power		Blank	-	-	-	-
208	Materials & Supplies		Demand	346,106	-	346,106	-
209	Prepayments		Demand	19,983	-	19,983	-
210	Deferred Debits		Demand	559,796	-	559,796	-
211	SUBTOTAL WORKING CAPITAL			973,728	-	973,728	-
212	Less Accumulated Depreciation	1080.00					
213	Production		Blank	-	-	-	-
214	Transmission		Demand	(2,251,175)	-	(2,251,175)	-
215	Distribution		Blank	-	-	-	-
216	General		Demand	(486,934)	-	(486,934)	-
217	Accum Depr Manual	1080.00	Blank	-	-	-	-
218	RWIP	1088.00	Demand	(1,647)	-	(1,647)	-
219	Loss Due to Retirement	1089.00	Blank	-	-	-	-
220	Accum Provision for Amortization	1150.00	Blank	-	-	-	-
221	TOTAL ACCUMULATED DEPRECIATION AND AMORTIZATION			(2,739,755)	-	(2,739,755)	-
222	NET RATE BASE			12,188,438	0	12,188,438	0

Okanogan County PUD
 2013 Electric System Rate Study
 Classification of Transmission Expenses
 Adjusted Test Year 2013

			Transmission			
Line	Transmission Factor	Factor	Energy	Demand	Customer	Total
1		Demand	-	1.00	-	1.00
2	Demand	Demand Factor	0.0%	100.0%	0.0%	100.0%
3		Gross Plant	0	13,954,464	0	13,954,464
4	Gross Plant	Gross Plant Factor	0.0%	100.0%	0.0%	100.0%

Okanogan County PUD
2013 Electric System Rate Study
Classification of Distribution Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year 2013	Distribution										Functionalization Factor
					Energy	Demand	Customer	Streetlights	Irrigation	Meter Reading	Meters	Customer Accounting	Customer Service	Demand Secondary	
REVENUE REQUIREMENTS															
1	OPERATING EXPENSES														
2															
3	Miscellaneous Hydraulic Power Expense	539.00	Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
4	Miscellaneous Hydraulic Power Expense - Labor		Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
5	Miscellaneous Expense - Generation	549.00	Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
6	Miscellaneous Expense - Generation - Labor		Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
7	Rental Expense - Generation	550.00	Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
8	Purchased Power - Miscellaneous	555.00	Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
9	Purchased Power - Bonneville Power	555.10	Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
10	BPA Block	555.10	Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
11	BPA Slice	555.10	Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
12	BPA Transmission and Ancillary Services	555.10	Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
13	BPA Irrigation Customer Class Credit	555.10	Irrigation	-	-	-	-	-	-	-	-	-	-	-	Prod
14	Purchased Power - Wells Dam Power	555.20	Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
15	Purchased Power - Nine Canyon Wind	555.70	Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
16	System Control and Load Dispatch	556.00	Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
17	Power Supply Expense	557.00	Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
18	Power Supply Expense - Labor		Blank	-	-	-	-	-	-	-	-	-	-	-	Prod
19	TOTAL POWER COSTS			-	-	-	-	-	-	-	-	-	-	-	
20	Operation Supervision and Engineering	560.00	Blank	-	-	-	-	-	-	-	-	-	-	-	Trans
21	Operation Supervision and Engineering - Labor		Blank	-	-	-	-	-	-	-	-	-	-	-	Trans
22	Overhead Line Expense	563.00	Blank	-	-	-	-	-	-	-	-	-	-	-	Trans
23	Overhead Line Expense - Labor		Blank	-	-	-	-	-	-	-	-	-	-	-	Trans
24	Misc Transmission Expense	566.00	Blank	-	-	-	-	-	-	-	-	-	-	-	Trans
25	Misc Transmission Expense - Labor		Blank	-	-	-	-	-	-	-	-	-	-	-	Trans
26	Rents	567.00	Blank	-	-	-	-	-	-	-	-	-	-	-	Trans
27	Maintenance Supervision and Engineering	568.00	Blank	-	-	-	-	-	-	-	-	-	-	-	Trans
28	Maintenance Supervision and Engineering - Labor		Blank	-	-	-	-	-	-	-	-	-	-	-	Trans
29	Maintenance of Overhead Lines	571.00	Blank	-	-	-	-	-	-	-	-	-	-	-	Trans
30	Maintenance of Overhead Lines - Labor		Blank	-	-	-	-	-	-	-	-	-	-	-	Trans
31	TOTAL TRANSMISSION OPERATION			-	-	-	-	-	-	-	-	-	-	-	
32	Operation Supervision and Engineering	580.00	Dist Ops Labor	347,477	-	224,994	35,750	-	-	-	86,732	-	-	-	Dist
33	Operation Supervision and Engineering - Labor		Dist Ops Labor	1,406,128	-	910,481	144,668	-	-	-	350,979	-	-	-	Dist
34	Station Operation Expenses	582.00	Demand	121,372	-	121,372	-	-	-	-	-	-	-	-	Dist
35	Station Operation Expenses - Labor		Demand	129,704	-	129,704	-	-	-	-	-	-	-	-	Dist
36	Overhead Line Expenses	583.00	Demand	70,143	-	70,143	-	-	-	-	-	-	-	-	Dist
37	Overhead Line Expenses - Labor		Demand	768,704	-	768,704	-	-	-	-	-	-	-	-	Dist
38	Underground Line Expenses	584.00	Demand	74,134	-	74,134	-	-	-	-	-	-	-	-	Dist
39	Underground Line Expenses - Labor		Demand	146,458	-	146,458	-	-	-	-	-	-	-	-	Dist
40	Street Lighting/Signal Systems	585.00	Streetlights	-	-	-	-	-	-	-	-	-	-	-	Dist
41	Street Lighting/Signal Systems - Labor		Streetlights	-	-	-	-	-	-	-	-	-	-	-	Dist
42	Operations Meter Expenses	586.00	Meters	244,329	-	-	-	-	-	244,329	-	-	-	-	Dist
43	Operations Meter Expenses - Labor		Meters	510,321	-	-	-	-	-	510,321	-	-	-	-	Dist
44	Customer Installation Expenses	587.00	Customers	64,107	-	-	64,107	-	-	-	-	-	-	-	Dist
45	Customer Installation Expenses - Labor		Customers	210,347	-	-	210,347	-	-	-	-	-	-	-	Dist
46	Miscellaneous Distribution Expenses	588.00	Demand	167,927	-	167,927	-	-	-	-	-	-	-	-	Dist
47	Miscellaneous Distribution Expenses - Labor		Demand	190,672	-	190,672	-	-	-	-	-	-	-	-	Dist
48	Operations Internal Telecom	588.10	Demand	44,958	-	44,958	-	-	-	-	-	-	-	-	Dist
49	Operations Internal Telecom - Labor		Demand	88,298	-	88,298	-	-	-	-	-	-	-	-	Dist
50	Rents	589.00	Demand	21,937	-	21,937	-	-	-	-	-	-	-	-	Dist
51	Maintenance Supervision and Engineering	590.00	Dist Ops Labor	23,502	-	15,218	2,418	-	-	5,866	-	-	-	-	Dist
52	Maintenance Supervision and Engineering - Labor		Dist Ops Labor	120,048	-	77,732	12,351	-	-	29,965	-	-	-	-	Dist
53	Maintenance of Station Equipment	592.00	Demand	211,053	-	211,053	-	-	-	-	-	-	-	-	Dist
54	Maintenance of Station Equipment - Labor		Demand	251,581	-	251,581	-	-	-	-	-	-	-	-	Dist
55	Maintenance of Overhead Lines	593.00	Demand	894,550	-	894,550	-	-	-	-	-	-	-	-	Dist
56	Maintenance of Overhead Lines - Labor		Demand	623,814	-	623,814	-	-	-	-	-	-	-	-	Dist
57	Maintenance of Underground Lines	594.00	Demand	42,254	-	42,254	-	-	-	-	-	-	-	-	Dist
58	Maintenance of Underground Lines - Labor		Demand	88,612	-	88,612	-	-	-	-	-	-	-	-	Dist
59	Maintenance of Line Transformers	595.00	Demand Secondary	40,845	-	-	-	-	-	-	-	40,845	-	-	Dist
60	Maintenance of Line Transformers - Labor		Demand Secondary	126,778	-	-	-	-	-	-	-	126,778	-	-	Dist
61	Maintenance of Street Lights & Signal Systems	596.00	Streetlights	26,913	-	26,913	-	26,913	-	-	-	-	-	-	Dist
62	Maintenance of Street Lights & Signal Systems - Labor		Streetlights	29,268	-	29,268	-	29,268	-	-	-	-	-	-	Dist
63	Maintenance of Meters	597.00	Meters	-	-	-	-	-	-	-	-	-	-	-	Dist
64	Operations Miscellaneous Maintenance	598.00	Demand	203	-	203	-	-	-	-	-	-	-	-	Dist
65	Operations Miscellaneous Maintenance - Labor		Demand	1,342	-	1,342	-	-	-	-	-	-	-	-	Dist
66	TOTAL DISTRIBUTION OPERATION			7,087,780	-	5,166,142	469,641	56,181	-	-	1,228,192	-	-	167,623	-

Okanogan County PUD
 2013 Electric System Rate Study
 Classification of Distribution Expenses
 Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year 2013	Distribution										Functionalization Factor		
					Energy	Demand	Customer	Streetlights	Irrigation	Meter Reading	Meters	Customer Accounting	Customer Service	Demand Secondary		Customers Secondary	
67	Meter Reading Expenses	902.00	Meter Reading	33,594	-	-	-	-	-	33,594	-	-	-	-	-	-	Dist
68	Meter Reading Expenses - Labor		Meter Reading	31,970	-	-	-	-	-	31,970	-	-	-	-	-	-	Dist
69	Operations - Collections	903.00	Customer Accounting	451,648	-	-	-	-	-	-	-	451,648	-	-	-	-	Dist
70	Operations - Collections - Labor		Customer Accounting	1,220,808	-	-	-	-	-	-	-	1,220,808	-	-	-	-	Dist
71	Uncollectible Accounts	904.00	Customers	22,988	-	-	22,988	-	-	-	-	-	-	-	-	-	Dist
72	Uncollectible Accounts-Con Loan	904.10	Customers	-	-	-	-	-	-	-	-	-	-	-	-	-	Dist
73	TOTAL CUSTOMER ACCOUNTS			1,761,008	-	-	22,988	-	-	65,564	-	1,672,457	-	-	-	-	
74	Revenues from Jobbing & Contract	415.00	Customer Service	(439,405)	-	-	-	-	-	-	-	-	(439,405)	-	-	-	Dist
75	Revenues from Bulb Sales - (CR)	415.10	Customer Service	-	-	-	-	-	-	-	-	-	-	-	-	-	Dist
76	Costs & Exp. Of Jobbing and Contract	416.00	Customer Service	215,084	-	-	-	-	-	-	-	-	215,084	-	-	-	Dist
77	Costs & Exp. Of Jobbing and Contract - Labor		Customer Service	235,046	-	-	-	-	-	-	-	-	235,046	-	-	-	Dist
78	Purchases for Resale (Bulbs)	416.10	Customer Service	-	-	-	-	-	-	-	-	-	-	-	-	-	Dist
79	Customer Assistance Expenses	908.00	Customer Service	720,845	-	-	-	-	-	-	-	-	720,845	-	-	-	Dist
80	Customer Assistance Expenses - Labor		Customer Service	181,143	-	-	-	-	-	-	-	-	181,143	-	-	-	Dist
81	Informational and Instructional Ad	909.00	Customer Service	35,633	-	-	-	-	-	-	-	-	35,633	-	-	-	Dist
82	Informational and Instructional Ad - Labor		Customer Service	25,023	-	-	-	-	-	-	-	-	25,023	-	-	-	Dist
83	Miscellaneous Customer Service and Information	910.00	Customer Service	2,414	-	-	-	-	-	-	-	-	2,414	-	-	-	Dist
84	TOTAL CUSTOMER SERVICE AND INFORMATION			975,782	-	-	-	-	-	-	-	-	975,782	-	-	-	
85	Administrative & General Salaries	920.00	Labor	304,723	-	156,387	17,530	1,397	-	1,526	42,528	58,253	21,053	6,049	-	-	Labor
86	Administrative & General Salaries - Labor		Labor	2,325,980	-	1,193,718	133,805	10,660	-	11,644	324,623	444,652	160,701	46,176	-	-	Labor
87	Office Supplies & Expenses	921.00	Labor	622,524	-	319,486	35,812	2,853	-	3,116	86,882	119,006	43,010	12,359	-	-	Labor
88	Outside Services Employed	923.00	Labor	562,133	-	288,493	32,337	2,576	-	2,814	78,454	107,462	38,838	11,160	-	-	Labor
89	Property Insurance	924.00	Gross Plant	129,221	-	92,518	301	734	-	6	7,322	172	87	17,971	10,109	-	Gross Plant
90	Injuries and Damages	925.00	Labor	289,513	-	148,581	16,655	1,327	-	1,449	40,406	55,345	20,002	5,748	-	-	Labor
91	Injuries and Damages - Labor		Labor	-	-	-	-	-	-	-	-	-	-	-	-	-	Labor
92	Employee Pensions and Benefits	926.00	Labor	(2,227,651)	-	(1,143,254)	(128,149)	(10,210)	-	(11,152)	(310,900)	(425,855)	(153,908)	(44,224)	-	-	Labor
93	Employee Pensions and Benefits - Labor		Labor	54,431	-	27,934	3,131	249	-	272	7,597	10,405	3,761	1,081	-	-	Labor
94	Supplemental Leave Balance	926.10	Labor	-	-	-	-	-	-	-	-	-	-	-	-	-	Labor
95	Industrial Leave	926.20	Labor	-	-	-	-	-	-	-	-	-	-	-	-	-	Labor
96	Short Term Disability	926.30	Labor	6,906	-	3,544	397	32	-	35	964	1,320	477	137	-	-	Labor
97	Short Term Disability - Labor		Labor	45,598	-	23,401	2,623	209	-	228	6,364	8,717	3,150	905	-	-	Labor
98	Employer Contributions for 401(A)	926.40	Labor	255,302	-	131,024	14,687	1,170	-	1,278	35,631	48,806	17,639	5,068	-	-	Labor
99	Employer Contributions for HRA V	926.45	Labor	164,011	-	84,172	9,435	752	-	821	22,890	31,354	11,331	3,256	-	-	Labor
100	Pensions and Benefits - CWPU Trust	926.50	Labor	1,742,602	-	894,322	100,245	7,987	-	8,724	243,205	333,129	120,396	34,595	-	-	Labor
101	Miscellaneous General Exp Boc	930.00	Labor	317,403	-	162,894	18,259	1,455	-	1,589	44,298	60,677	21,929	6,301	-	-	Labor
102	Miscellaneous General Exp Boc - Labor		Labor	145,519	-	74,682	8,371	667	-	729	20,309	27,819	10,054	2,889	-	-	Labor
103	Rents - G&A	931.00	Gen Plant	5,933	-	4,215	22	34	-	1	348	37	19	805	451	-	Gen Plant
104	Maintenance of General Plant	935.00	Gen Plant	296,110	-	210,388	1,109	1,678	-	65	17,386	1,859	942	40,171	22,512	-	Gen Plant
105	Maintenance of General Plant - Labor		Gen Plant	83,491	-	59,321	313	473	-	18	4,902	524	266	11,327	6,347	-	Gen Plant
106	TOTAL ADMINISTRATIVE AND GENERAL			5,123,748	-	2,731,827	266,883	24,042	-	23,164	673,209	883,683	319,748	161,773	39,419	-	
107	Depreciation Expense - Production		Blank	-	-	-	-	-	-	-	-	-	-	-	-	-	Prod
108	Depreciation Expense - Transmission	403.10	Blank	-	-	-	-	-	-	-	-	-	-	-	-	-	Trans
109	Depreciation Expense - Distribution	403.30	Gross Plant	2,750,282	-	1,969,125	6,413	15,612	-	127	155,833	3,669	1,860	382,493	215,150	-	Dist
110	Depreciation Expense - General	403.40	Gross Plant	883,066	-	632,251	2,059	5,013	-	41	50,035	1,178	597	122,812	69,081	-	Gen Plant
111	Amortization Expense - Acquisition Adj	406.00	Gross Plant	-	-	-	-	-	-	-	-	-	-	-	-	-	Trans
112	TOTAL DEPRECIATION AND AMORTIZATION			3,633,349	-	2,601,376	8,473	20,625	-	168	205,868	4,847	2,457	505,305	284,231	-	
113	State Utility Tax	408.11	RevReq	679,222	-	382,994	28,277	3,685	-	3,274	77,326	94,330	47,807	30,017	11,512	-	Rev Less Wholesal
114	State Privilege Tax	408.12	RevReq	359,135	-	202,506	14,951	1,948	-	1,731	40,886	49,876	25,278	15,872	6,087	-	Rev Less Wholesal
115	Retailing and Wholesaling Tax	408.13	RevReq	50	-	28	2	0	-	0	6	7	4	2	1	-	Rev Less Wholesal
116	Service Tax (Carrying Charges)	408.16	RevReq	9,413	-	5,308	392	51	-	45	1,072	1,307	663	416	160	-	Rev Less Wholesal
117	Unemployment Compensating Tax	408.21	Labor	2,386	-	1,224	137	11	-	12	333	456	165	47	-	-	Labor
118	State Industrial and Medical Tax	408.23	Labor	(571)	-	(293)	(33)	(3)	-	(3)	(80)	(109)	(39)	(11)	-	-	Labor
119	Leasehold Tax	408.80	RevReq	-	-	-	-	-	-	-	-	-	-	-	-	-	Rev Less Wholesal
120	TOTAL TAXES			1,049,635	-	591,767	43,727	5,693	-	5,060	119,542	145,867	73,877	46,343	17,759	-	
121	TOTAL OPERATING EXPENSES			19,631,302	0	11,091,112	811,712	106,540	0	93,956	2,226,811	2,706,854	1,371,863	881,045	341,408	-	
122	Check			-	-	-	-	-	-	-	-	-	-	-	-	-	

Okanogan County PUD
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Classification of Distribution Expenses
Adjusted Test Year 2013

Line	Description	Account	Classification Factor	Adjusted Test Year 2013	Distribution										Functionalization Factor		
					Energy	Demand	Customer	Streetlights	Irrigation	Meter Reading	Meters	Customer Accounting	Customer Service	Demand Secondary		Customers Secondary	
123	FIXED CHARGES																
124																	
125	Interest on Long Term Debt - 2003 Bonds	427.00	Net Plant	265,223	-	190,093	567	1,506	-	6	14,952	172	87	37,011	20,829		Net Plant
126	Interest on Long Term Debt - 2010 Bonds	427.80	Net Plant	1,203,835	-	862,825	2,571	6,835	-	27	67,867	781	396	167,992	94,542		Net Plant
127	Amortization of Debt Expense and Loss -2001	428.50	Net Plant	19,524	-	13,993	42	111	-	0	1,101	13	6	2,725	1,533		Net Plant
128	Amortization of Debt Expense and Loss -2002	428.60	Net Plant	39,196	-	28,093	84	223	-	1	2,210	25	13	5,470	3,078		Net Plant
129	Amortization of Debt Expense and Loss -2003	428.70	Net Plant	10,834	-	7,765	23	62	-	0	611	7	4	1,512	851		Net Plant
130	Amortization of Debt Expense and Loss -2010	428.80	Net Plant	7,956	-	5,703	17	45	-	0	449	5	3	1,110	625		Net Plant
131	Amortization of Debt Premium -2010	429.80	Net Plant	(11,198)	-	(8,026)	(24)	(64)	-	(0)	(631)	(7)	(4)	(1,563)	(879)		Net Plant
132	TOTAL INTEREST ON LONG TERM DEBT			1,535,370	-	1,100,446	3,280	8,717	-	35	86,557	996	505	214,256	120,578		
133	NET OPERATING MARGIN			n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
134	Check																
135	INTEREST INCOME																
136																	
137	Interest Income	419.00	Net Plant	43,619	-	31,263	93	248	-	1	2,459	28	14	6,087	3,426		Net Plant
138	Interest Income - Interdivisional	419.10	Net Plant	140,863	-	100,961	301	800	-	3	7,941	91	46	19,657	11,062		Net Plant
139	Miscellaneous Non-Operating Income	421.00	Net Plant	591,429	-	423,895	1,263	3,358	-	13	33,342	384	194	82,532	46,447		Net Plant
140	Gain or Loss on Disposition of Property	421.10	Net Plant	535	-	384	1	3	-	0	30	0	0	75	42		Net Plant
141	TOTAL INTEREST INCOME			776,446	-	556,502	1,658	4,408	-	17	43,773	504	255	108,351	60,977		
142	Contributions in Aid of Construction	422.00	Net Plant	1,104,000	-	791,270	2,358	6,268	-	25	62,239	716	363	154,060	86,701		Dist
143	TOTAL CONTRIBUTIONS AND DONATIONS			1,104,000	-	791,270	2,358	6,268	-	25	62,239	716	363	154,060	86,701		
144	Use of Rate Stabilization Funds		O&M	1,125,683	-	635,978	46,545	6,109	-	5,388	127,688	155,214	78,664	50,520	19,577		Ops Revs
145	TOTAL USE OF RATE STABILIZATION FUNDS			1,125,683	-	635,978	46,545	6,109	-	5,388	127,688	155,214	78,664	50,520	19,577		
146	Margins or Increase in Net Assets		Net Plant	744,938	-	533,920	1,591	4,230	-	17	41,996	483	245	103,954	58,503		TIER
147	Operating Revenue Requirement			21,911,611	0	12,725,478	816,583	119,487	0	94,008	2,355,365	2,708,333	1,372,613	1,199,255	520,489		
148	Less Contributions in Aid of Construction		Net Plant	1,104,000	-	791,270	2,358	6,268	-	25	62,239	716	363	154,060	86,701		Dist
149	Less Non-Operating Revenue			776,446	0	556,502	1,658	4,408	0	17	43,773	504	255	108,351	60,977		
150	Less Use of Rate Stabilization Funds			1,125,683	-	635,978	46,545	6,109	-	5,388	127,688	155,214	78,664	50,520	19,577		
151	Less Other Electric Revenues		RateBs	555,585	-	394,746	2,080	3,149	-	121	32,622	3,488	1,768	75,373	42,239		RateBs
152	Revenue Requirement from Rates			18,349,896	0	10,346,981	763,941	99,553	0	88,457	2,089,044	2,548,411	1,291,563	810,951	310,995		
153	Wholesale Revenues		Blank	-	-	-	-	-	-	-	-	-	-	-	-		Prod
154	Revenue Requirement from Retail Rates			18,349,896	0	10,346,981	763,941	99,553	0	88,457	2,089,044	2,548,411	1,291,563	810,951	310,995		

Okanogan County PUD
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Line	Description	Account	Classification Factor	Adjusted Test Year 2013	Distribution										Functionalization Factor	
					Energy	Demand	Customer	Streetlights	Irrigation	Meter Reading	Meters	Customer Accounting	Customer Service	Demand Secondary		Customers Secondary
RATE BASE																
155	Organization - Intangible Plant	301.00	Demand	27,147	-	27,147	-	-	-	-	-	-	-	-	-	Gr PTD Plant
156	Misc Intangible Plant	303.00	Demand	60,200	-	60,200	-	-	-	-	-	-	-	-	-	Gr PTD Plant
157	TOTAL INTANGIBLE PLANT			87,347	-	87,347	-	-	-	-	-	-	-	-	-	
158	Land and Land Rights	330.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Prod
159	Structures & Improvements	331.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Prod
160	Reservoirs, Dams, & Waterways	332.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Prod
161	Water Wheels, Turbines, & Generators	333.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Prod
162	Accessory Electric Equipment	334.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Prod
163	Misc Power Plant Equipment	335.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Prod
164	TOTAL HYDROELECTRIC PLANT			-	-	-	-	-	-	-	-	-	-	-	-	
165	Land and Land Rights	350.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Trans
166	Structures and Improvements	352.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Trans
167	Station Equipment	353.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Trans
168	Towers and Fixtures	354.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Trans
169	Poles and Fixtures	355.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Trans
170	Overhead Conductors and Devices	356.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Trans
171	Underground Conduits-Trans	357.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Trans
172	UG Conductors & Devices-Trans	358.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Trans
173	TOTAL TRANSMISSION PLANT			-	-	-	-	-	-	-	-	-	-	-	-	
174	Land and Land Rights	360.00	Demand	241,561	-	241,561	-	-	-	-	-	-	-	-	-	Dist
175	Structures and Improvements	361.00	Demand	461,629	-	461,629	-	-	-	-	-	-	-	-	-	Dist
176	Station Equipment	362.00	Demand	19,275,801	-	19,275,801	-	-	-	-	-	-	-	-	-	Dist
177	Poles, Towers, and Fixtures	364.00	Demand	17,678,288	-	17,678,288	-	-	-	-	-	-	-	-	-	Dist
178	Overhead Conductors and Devices	365.00	Demand	14,383,063	-	14,383,063	-	-	-	-	-	-	-	-	-	Dist
179	Underground Conduit	366.00	Demand	4,761,061	-	4,761,061	-	-	-	-	-	-	-	-	-	Dist
180	Underground Conductors and Devices	367.00	Demand	9,863,521	-	9,863,521	-	-	-	-	-	-	-	-	-	Dist
181	Line Transformers	368.00	Demand Secondary	13,356,952	-	-	-	-	-	-	-	-	13,356,952	-	-	Dist
182	Services	369.00	Customers Secondary	7,520,514	-	-	-	-	-	-	-	-	-	-	7,520,514	Dist
183	Meters	370.00	Meters	5,353,094	-	-	-	-	-	5,353,094	-	-	-	-	-	Dist
184	Installations on Customer's Premises	371.00	Customers	186,116	-	-	186,116	-	-	-	-	-	-	-	-	Dist
185	Leased Property	372.00	Customers	-	-	-	-	-	-	-	-	-	-	-	-	Dist
186	Street Lighting and Signal Systems	373.00	Streetlights	541,829	-	-	-	541,829	-	-	-	-	-	-	-	Dist
187	TOTAL DISTRIBUTION PLANT			93,623,430	-	66,664,925	186,116	541,829	-	-	5,353,094	-	-	13,356,952	7,520,514	
188	Land and Land Rights	389.00	RateBs	685,043	-	486,727	2,565	3,882	-	149	40,223	4,301	2,180	92,936	52,081	Gr PTD Plant
189	Structures and Improvements	390.00	RateBs	11,355,403	-	8,068,074	42,519	64,356	-	2,474	666,742	71,286	36,129	1,540,519	863,303	Gr PTD Plant
190	Office Furniture & Equipment - General	391.00	Gen Plant	2,312,354	-	1,642,940	8,658	13,105	-	504	135,772	14,516	7,357	313,703	175,798	Gr PTD Plant
191	Computer Equipment	391.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Gr PTD Plant
192	Transportation Equipment	392.00	RateBs	4,463,598	-	3,171,410	16,713	25,297	-	973	262,084	28,021	14,201	605,550	339,348	Gr PTD Plant
193	Stores Equipment	393.00	RateBs	65,296	-	46,393	244	370	-	14	3,834	410	208	8,858	4,964	Gr PTD Plant
194	Tools, Shop, and Garage Equip	394.00	RateBs	1,014,966	-	721,139	3,800	5,752	-	221	59,595	6,372	3,229	137,694	77,164	Gr PTD Plant
195	Laboratory Equipment	395.00	RateBs	329,191	-	233,892	1,233	1,866	-	72	19,329	2,067	1,047	44,659	25,027	Gr PTD Plant
196	Power Operated Equipment	396.00	RateBs	968,391	-	688,047	3,626	5,488	-	211	56,860	6,079	3,081	131,376	73,623	Gr PTD Plant
197	Communication Equipment	397.00	RateBs	802,602	-	570,253	3,005	4,549	-	175	47,125	5,039	2,554	108,884	61,018	Gr PTD Plant
198	Communication Equipment - Internal Telecom	397.10	RateBs	3,647,383	-	2,591,485	13,657	20,671	-	795	214,159	22,897	11,605	494,819	277,295	Gr PTD Plant
199	Miscellaneous Equipment	398.00	RateBs	104,683	-	74,378	392	593	-	23	6,147	657	333	14,202	7,959	Gr PTD Plant
200	Other Tangible Property - General	399.00	RateBs	25	-	18	0	0	-	0	1	0	0	3	2	Gr PTD Plant
201	TOTAL GENERAL PLANT			25,748,936	-	18,294,755	96,414	145,931	-	5,611	1,511,871	161,645	81,923	3,493,204	1,957,582	
202	SUBTOTAL ELECTRIC PLANT IN SERVICE			119,459,713	-	85,047,027	282,530	687,760	-	5,611	6,864,966	161,645	81,923	16,850,155	9,478,096	

Okanogan County PUD
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Line	Description	Account	Classification Factor	Adjusted Test Year 2013	Distribution										Functionalization Factor		
					Energy	Demand	Customer	Streetlights	Irrigation	Meter Reading	Meters	Customer Accounting	Customer Service	Demand Secondary		Customers Secondary	
203	Construction Work in Progress		Demand	1,699,784	-	1,699,784	-	-	-	-	-	-	-	-	-	-	CWIP
204	TOTAL ELECTRIC PLANT			121,159,497	0	86,746,811	282,530	687,760	0	5,611	6,864,966	161,645	81,923	16,850,155	9,478,096		
205	Working Capital																
206	O&M		O&M L F&PP	3,227,064	-	1,823,197	133,432	17,514	-	15,445	366,051	444,962	225,512	144,829	56,122	O&M L	
207	Fuel & Purchased Power		Blank	-	-	-	-	-	-	-	-	-	-	-	-	Prod	
208	Materials & Supplies		Net Plant	2,150,871	-	1,541,594	4,594	12,212	-	48	121,257	1,395	707	300,148	168,916	Net Plant	
209	Prepayments		Net Plant	124,185	-	89,007	265	705	-	3	7,001	81	41	17,330	9,753	Net Plant	
210	Deferred Debits		Net Plant	3,478,849	-	2,493,396	7,431	19,752	-	78	196,122	2,256	1,144	485,463	273,207	Net Plant	
211	SUBTOTAL WORKING CAPITAL			8,980,968	-	5,947,194	145,723	50,183	-	15,574	690,431	448,694	227,403	947,770	507,997		
212	Less Accumulated Depreciation	1080.00															
213	Production		Blank	-	-	-	-	-	-	-	-	-	-	-	-	Prod	
214	Transmission		Blank	-	-	-	-	-	-	-	-	-	-	-	-	Trans	
215	Distribution		Gross Plant	(41,768,572)	-	(29,905,129)	(97,400)	(237,099)	-	(1,934)	(2,366,631)	(55,726)	(28,242)	(5,808,929)	(3,267,482)	Dist	
216	General		Gen Plant	(9,664,550)	-	(6,866,714)	(36,188)	(54,773)	-	(2,106)	(567,462)	(60,671)	(30,749)	(1,311,131)	(734,755)	Gen Plant	
217	Accum Depr Manual	1080.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Blank	
218	RWIP	1088.00	Gross Plant	(32,681)	-	(23,399)	(76)	(186)	-	(2)	(1,852)	(44)	(22)	(4,545)	(2,557)	Gross Plant	
219	Loss Due to Retirement	1089.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Blank	
220	Accum Provision for Amortization	1150.00	Blank	-	-	-	-	-	-	-	-	-	-	-	-	Blank	
221	TOTAL ACCUM DEPRECIATION AND AMORT			(51,465,803)	-	(36,795,242)	(133,664)	(292,058)	-	(4,042)	(2,935,945)	(116,441)	(59,013)	(7,124,606)	(4,004,794)		
222	NET RATE BASE			78,674,663	0	55,898,763	294,589	445,885	0	17,143	4,619,451	493,899	250,313	10,673,319	5,981,300		

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Distribution

Line	Distribution Factor	Factor	Energy	Demand	Customer	Streetlights	Irrigation	Meter Reading	Meters	Customer Accounting	Customer Service	Demand Secondary	Customers Secondary	Total
1		Energy	1.00	-	-	-	-	-	-	-	-	-	-	1.00
2	Energy	Energy Factor	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
3														
4		Demand	-	1.00	-	-	-	-	-	-	-	-	-	1.00
5	Demand	Demand Factor	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
6														
7		Customer	-	-	1.00	-	-	-	-	-	-	-	-	1.00
8	Customers	Customer Factor	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
9														
10		Streetlights	-	-	-	1.00	-	-	-	-	-	-	-	1.00
11	Streetlights	Streetlights Factor	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
12														
13		Irrigation	-	-	-	-	1.00	-	-	-	-	-	-	1.00
14	Irrigation	Irrigation Factor	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
15														
16		O&M	-	11,091,112	811,712	106,540	-	93,956	2,226,811	2,706,854	1,371,863	881,045	341,408	19,631,302
17	O&M	O&M Factor	0.0%	56.5%	4.1%	0.5%	0.0%	0.5%	11.3%	13.8%	7.0%	4.5%	1.7%	100.0%
18														
19		O&M less Fuel & Purch Power	-	11,091,112	811,712	106,540	-	93,956	2,226,811	2,706,854	1,371,863	881,045	341,408	19,631,302
20	O&M L F&PP	O&M Factor	0.0%	56.5%	4.1%	0.5%	0.0%	0.5%	11.3%	13.8%	7.0%	4.5%	1.7%	100.0%
21														
22		Labor less A&G Labor	-	3,277,396	367,367	29,268	-	31,970	891,265	1,220,808	441,211	126,778	-	6,386,064
23	Labor	Labor Factor	0.0%	51.3%	5.8%	0.5%	0.0%	0.5%	14.0%	19.1%	6.9%	2.0%	0.0%	100.0%
24														
25		Rate Base	-	55,898,763	294,589	445,885	-	17,143	4,619,451	493,899	250,313	10,673,319	5,981,300	78,674,663
26	RateBs	Rate Base Factor	0.0%	71.1%	0.4%	0.6%	0.0%	0.0%	5.9%	0.6%	0.3%	13.6%	7.6%	100.0%
27														
28		Revenue Requirement	-	10,346,981	763,941	99,553	-	88,457	2,089,044	2,548,411	1,291,563	810,951	310,995	18,349,896
29	RevReq	Revenue Requirement Factor	0.0%	56.4%	4.2%	0.5%	0.0%	0.5%	11.4%	13.9%	7.0%	4.4%	1.7%	100.0%
30														
31		Distribution Plant	-	66,664,925	186,116	541,829	-	-	5,353,094	-	-	13,356,952	7,520,514	93,623,430
32	Dist Plant	Distribution Plant Factor	0.0%	71.2%	0.2%	0.6%	0.0%	0.0%	5.7%	0.0%	0.0%	14.3%	8.0%	100.0%
33														
34		Gross Plant	-	86,746,811	282,530	687,760	-	5,611	6,864,966	161,645	81,923	16,850,155	9,478,096	121,159,497
35	Gross Plant	Gross Plant Factor	0.0%	71.6%	0.2%	0.6%	0.0%	0.0%	5.7%	0.1%	0.1%	13.9%	7.8%	100.0%
36														
37		General Plant	-	18,294,755	96,414	145,931	-	5,611	1,511,871	161,645	81,923	3,493,204	1,957,582	25,748,936
38	Gen Plant	General Plant Factor	0.0%	71.1%	0.4%	0.6%	0.0%	0.0%	5.9%	0.6%	0.3%	13.6%	7.6%	100.0%
39														
40		Net Plant	-	49,951,569	148,867	395,702	-	1,569	3,929,020	45,204	22,910	9,725,550	5,473,302	69,693,694
41	Net Plant	Net Plant Factor	0.0%	71.7%	0.2%	0.6%	0.0%	0.0%	5.6%	0.1%	0.0%	14.0%	7.9%	100.0%
42														
43		Distribution maint labor	-	1,043,080	12,351	29,268	-	-	29,965	-	-	126,778	-	1,241,442
44	Dist Maint Labor	Distribution maint labor Factor	0.0%	84.0%	1.0%	2.4%	0.0%	0.0%	2.4%	0.0%	0.0%	10.2%	0.0%	100.0%
45														
46		Distribution Operations Labor	-	2,234,316	355,016	-	-	-	861,300	-	-	-	-	3,450,632
47	Dist Ops Labor	Distribution Operations Labor Factor	0.0%	64.8%	10.3%	0.0%	0.0%	0.0%	25.0%	0.0%	0.0%	0.0%	0.0%	100.0%
48														
49		Meter Reading	-	-	-	-	-	1.00	-	-	-	-	-	1.00
50	Meter Reading	Meter Reading Factor	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
51														
52		Meters	-	-	-	-	-	-	1.00	-	-	-	-	1.00
53	Meters	Meters Factor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
54														
55		Customer Accounting	-	-	-	-	-	-	-	1.00	-	-	-	1.00
56	Customer Accounting	Customer Accounting Factor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
57														
58		Customer Service	-	-	-	-	-	-	-	-	1.00	-	-	1.00
59	Customer Service	Customer Service Factor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
60														
61		Demand Secondary	-	-	-	-	-	-	-	-	-	1.00	-	1.00
62	Demand Secondary	Demand Secondary Factor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
63														
64		Customers Secondary	-	-	-	-	-	-	-	-	-	-	1.00	1.00
65	Customers Secondary	Customers Secondary Factor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%

Appendix G
2013 ELECTRIC SYSTEM RATE STUDY
ALLOCATION OF REVENUE REQUIREMENTS

Okanogan County PUD
 2013 Electric System Rate Study
 Allocation of Costs - Average Excess Method

Line No.	Allocation	Total	Residential	Small General Service	Large General Service	Industrial	Irrigation	Frost Control	Street Lights	Allocation Factor
1	Production									
2	Energy	\$17,016,429	\$8,565,354	\$1,581,422	\$4,405,329	\$534,354	\$1,880,107	\$10,397	\$39,466	Energy
3	Demand	8,155,770	4,345,170	727,834	1,683,229	142,641	1,167,776	77,426	11,695	A&E
4	Customer	0	0	0	0	0	0	0	0	Blank
5	Total Production Costs	\$25,172,199	\$12,910,524	\$2,309,256	\$6,088,558	\$676,995	\$3,047,884	\$87,823	\$51,161	
6										
7	Transmission									
8	Energy	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Blank
9	Demand	418,576	223,006	37,354	86,388	7,321	59,933	3,974	600	A&E
10	Customer	0	0	0	0	0	0	0	0	Blank
11	Total Transmission Costs	\$418,576	\$223,006	\$37,354	\$86,388	\$7,321	\$59,933	\$3,974	\$600	
12										
13	Distribution									
14	Energy	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Blank
15	Demand	10,346,981	5,603,698	927,094	2,590,801	205,339	968,537	30,705	20,808	12 NCP
16	Customer	763,941	645,576	80,079	10,523	113	26,417	440	793	Customers
17	Streetlights	99,553	0	0	0	0	0	0	99,553	StreetLt
18	Irrigation	0	0	0	0	0	0	0	0	Irrigation
19	Meter Reading	88,457	76,634	9,506	1,249	13	1,045	9	0	Weighted Meters/MR
20	Meters	2,089,044	1,513,630	306,375	70,040	808	194,471	3,720	0	Weighted Meters/Cap
21	Customer Accounting	2,548,411	2,153,558	267,133	35,105	378	88,125	1,469	2,644	Customers
22	Customer Service	1,291,563	1,109,165	137,584	18,080	195	26,476	63	0	Weighted Customers/CS
23	Demand Secondary	810,951	448,086	74,133	207,167	0	77,447	2,455	1,664	12 NCP Secondary
24	Customers Secondary	310,995	262,848	32,604	4,285	0	10,756	179	323	Customers Secondary
25	Total Distribution Costs	\$18,349,896	\$11,813,194	\$1,834,508	\$2,937,250	\$206,846	\$1,393,273	\$39,041	\$125,784	
26										
27	Total Cost-of-Service	\$43,940,671	\$24,946,724	\$4,181,119	\$9,112,195	\$891,161	\$4,501,090	\$130,837	\$177,545	
28										
29	Normalized Revenues under Existing Rates									
30	Retail Rates	\$35,997,683	\$19,311,279	\$3,605,173	\$8,755,922	\$1,036,906	\$3,087,505	\$65,507	\$135,393	
31	Sales for Resale	2,640,925	1,499,349	251,294	547,662	53,561	270,525	7,864	10,671	A&E COS
32	Cost of Power Adjustment	1,552,304	783,181	144,599	402,805	48,859	171,909	951	0	
33	Total Normalized Revenues	\$40,190,912	\$21,593,809	\$4,001,065	\$9,706,389	\$1,139,325	\$3,529,939	\$74,321	\$146,063	
34										
35	Over/(Under) Cost-of-Service	(\$3,749,759)	(\$3,352,914)	(\$180,053)	\$594,194	\$248,164	(\$971,152)	(\$56,516)	(\$31,482)	
36										
37	Percent Difference in Retail Base Rates	10.4%	17.4%	5.0%	-6.8%	-23.9%	31.5%	86.3%	23.3%	
38										
39	Customer-Months	242,914	205,276	25,463	3,346	36	8,400	140	252	
40	kWh - Adj	586,247,204	295,092,161	54,482,905	151,771,659	18,409,470	64,773,141	358,197	1,359,672	
41	kW	729,209	n/a	n/a	464,884	60,795	193,399	10,131	n/a	
42	Horsepower per Season	12,269	n/a	n/a	n/a	n/a	n/a	12,269	n/a	
43	Fixtures	1,345	n/a	n/a	n/a	n/a	n/a	n/a	1,345	
44										
45	Unit Costs not including Sales for Resale									
46	\$/Customer-Month		\$28.07	\$32.73	\$41.62	\$41.86	\$41.34	\$42.00	\$14.92	
47	\$/kWh		\$0.06501	\$0.06145	\$0.02903	\$0.02903	\$0.02903	\$0.02903	\$0.12781	
48	\$/kW		n/a	n/a	\$9.83	\$5.84	\$11.76	\$11.31	n/a	
49	\$/Horsepower		n/a	n/a	n/a	n/a	n/a	\$9.82	n/a	
50	\$/Fixture-Month		n/a	n/a	n/a	n/a	n/a	n/a	\$9.05	
51										
52	Fixed Costs (\$/Customer-Month)		\$79.80	\$102.10	\$1,406.64	\$9,911.31	\$312.02	\$860.29	\$547.93	
53	Variable Costs (\$/kWh)		\$0.02903	\$0.02903	\$0.02903	\$0.02903	\$0.02903	\$0.02903	\$0.02903	
54										
55	Unit Costs including Sales for Resale									
56	\$/kWh		\$0.05993	\$0.05684	\$0.02542	\$0.02612	\$0.02485	\$0.00707	\$0.11997	
57	Variable Costs (\$/kWh)		\$0.02395	\$0.02441	\$0.02542	\$0.02612	\$0.02485	\$0.00707	\$0.02118	

Okanogan County PUD
 2013 Electric System Rate Study
 Allocation of Costs - Peak Responsibility Method

Line No.	Allocation	Total	Residential	Small General Service	Large General Service	Industrial	Irrigation	Frost Control	Street Lights	Allocation Factor
1	Production									
2	Energy	\$17,016,429	\$8,565,354	\$1,581,422	\$4,405,329	\$534,354	\$1,880,107	\$10,397	\$39,466	Energy
3	Demand	8,155,770	5,291,747	744,212	1,959,469	147,543	9	0	12,791	4 CP
4	Customer	0	0	0	0	0	0	0	0	Blank
5	Total Production Costs	\$25,172,199	\$13,857,101	\$2,325,634	\$6,364,798	\$681,897	\$1,880,116	\$10,397	\$52,257	
6										
7	Transmission									
8	Energy	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Blank
9	Demand	418,576	271,586	38,195	100,565	7,572	0	0	656	4 CP
10	Customer	0	0	0	0	0	0	0	0	Blank
11	Total Transmission Costs	\$418,576	\$271,586	\$38,195	\$100,565	\$7,572	\$0	\$0	\$656	
12										
13	Distribution									
14	Energy	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Blank
15	Demand	10,346,981	5,603,698	927,094	2,590,801	205,339	968,537	30,705	20,808	12 NCP
16	Customer	763,941	645,576	80,079	10,523	113	26,417	440	793	Customers
17	Streetlights	99,553	0	0	0	0	0	0	99,553	StreetLt
18	Irrigation	0	0	0	0	0	0	0	0	Irrigation
19	Meter Reading	88,457	76,634	9,506	1,249	13	1,045	9	0	Weighted Meters/MR
20	Meters	2,089,044	1,513,630	306,375	70,040	808	194,471	3,720	0	Weighted Meters/Cap
21	Customer Accounting	2,548,411	2,153,558	267,133	35,105	378	88,125	1,469	2,644	Customers
22	Customer Service	1,291,563	1,109,165	137,584	18,080	195	26,476	63	0	Weighted Customers/CS
23	Demand Secondary	810,951	448,086	74,133	207,167	0	77,447	2,455	1,664	12 NCP Secondary
24	Customers Secondary	310,995	262,848	32,604	4,285	0	10,756	179	323	Customers Secondary
25	Total Distribution Costs	\$18,349,896	\$11,813,194	\$1,834,508	\$2,937,250	\$206,846	\$1,393,273	\$39,041	\$125,784	
26										
27	Total Cost-of-Service	\$43,940,671	\$25,941,882	\$4,198,337	\$9,402,613	\$896,314	\$3,273,390	\$49,438	\$178,697	
28										
29	Normalized Revenues under Existing Rates									
30	Retail Rates	\$35,997,683	\$19,311,279	\$3,605,173	\$8,755,922	\$1,036,906	\$3,087,505	\$65,507	\$135,393	
31	Sales for Resale	2,640,925	1,559,161	252,329	565,116	53,870	196,737	2,971	10,740	PR COS
32	Cost of Power Adjustment	1,552,304	783,181	144,599	402,805	48,859	171,909	951	0	
33	Total Normalized Revenues	\$40,190,912	\$21,653,620	\$4,002,100	\$9,723,844	\$1,139,635	\$3,456,151	\$69,429	\$146,133	
34										
35	Over/(Under) Cost-of-Service	(\$3,749,759)	(\$4,288,261)	(\$196,237)	\$321,231	\$243,321	\$182,761	\$19,991	(\$32,564)	
36										
37	Percent Difference in Retail Base Rates	10.4%	22.2%	5.4%	-3.7%	-23.5%	-5.9%	-30.5%	24.1%	
38										
39	Customer-Months	242,914	205,276	25,463	3,346	36	8,400	140	252	
40	kWh - Adj	586,247,204	295,092,161	54,482,905	151,771,659	18,409,470	64,773,141	358,197	1,359,672	
41	kW	729,209	n/a	n/a	464,884	60,795	193,399	10,131	n/a	
42	Horsepower per Season	12,269	n/a	n/a	n/a	n/a	n/a	12,269	n/a	
43	Fixtures	1,345	n/a	n/a	n/a	n/a	n/a	n/a	1,345	
44										
45	Unit Costs not including Sales for Resale									
46	\$/Customer-Month		\$28.07	\$32.73	\$41.62	\$41.86	\$41.34	\$42.00	\$14.92	
47	\$/kWh		\$0.06839	\$0.06176	\$0.02903	\$0.02903	\$0.02903	\$0.02903	\$0.12866	
48	\$/kW		n/a	n/a	\$10.45	\$5.93	\$5.41	\$3.27	n/a	
49	\$/Horsepower		n/a	n/a	n/a	n/a	n/a	\$3.18	n/a	
50	\$/Fixture-Month		n/a	n/a	n/a	n/a	n/a	n/a	\$9.05	
51										
52	Fixed Costs (\$/Customer-Month)		\$84.65	\$102.77	\$1,493.43	\$10,054.46	\$165.87	\$278.86	\$552.51	
53	Variable Costs (\$/kWh)		\$0.02903	\$0.02903	\$0.02903	\$0.02903	\$0.02903	\$0.02903	\$0.02903	
54										
55	Unit Costs including Sales for Resale									
56	\$/kWh		\$0.06310	\$0.05713	\$0.02530	\$0.02610	\$0.02599	\$0.02073	\$0.12076	
57	Variable Costs (\$/kWh)		\$0.02374	\$0.02439	\$0.02530	\$0.02610	\$0.02599	\$0.02073	\$0.02113	

Okanogan County PUD
2013 Electric System Rate Study
Allocation of Costs - Allocation Factors

Line	Allocation Factor	Factor	Residential	Small General Service	Large General Service	Industrial	Irrigation	Frost Control	Street Lights	Total
1		CP (kW)	111,064	15,884	36,905	2,606	-	-	299	166,758
2	CP	CP (kW) Factor	66.6%	9.5%	22.1%	1.6%	0.0%	0.0%	0.2%	100.0%
3										
4		4 CP (kW)	368,972	51,891	136,626	10,288	1	-	892	568,669
5	4 CP	4 CP (kW) Factor	64.9%	9.1%	24.0%	1.8%	0.0%	0.0%	0.2%	100.0%
6										
7		12 CP (kW)	728,103	122,990	342,026	30,103	125,102	5,146	892	1,354,361
8	12 CP	12 CP (kW) Factor	53.8%	9.1%	25.3%	2.2%	9.2%	0.4%	0.1%	100.0%
9										
10		1 NCP (kW)	126,499	20,316	45,004	3,316	34,160	2,566	296	232,156
11	1 NCP	1 NCP (kW) Factor	54.5%	8.8%	19.4%	1.4%	14.7%	1.1%	0.1%	100.0%
12										
13		4 NCP (kW)	340,056	53,969	132,237	9,598	90,925	5,113	881	632,779
14	4 NCP	4 NCP (kW) Factor	53.7%	8.5%	20.9%	1.5%	14.4%	0.8%	0.1%	100.0%
15										
16		12 NCP (kW)	933,135	154,381	431,424	34,193	161,282	5,113	3,465	1,722,993
17	12 NCP	12 NCP (kW) Factor	54.2%	9.0%	25.0%	2.0%	9.4%	0.3%	0.2%	100.0%
18										
19		Secondary 12 NCP (kW)	933,135	154,381	431,424	-	161,282	5,113	3,465	1,688,800
20	12 NCP Secondary	Secondary 12 NCP (kW) Factor	55.3%	9.1%	25.5%	0.0%	9.6%	0.3%	0.2%	100.0%
21										
22		Average & Excess	0.533	0.089	0.206	0.017	0.143	0.009	0.001	1.00
23	A&E	Average & Excess factor	53.3%	8.9%	20.6%	1.7%	14.3%	0.9%	0.1%	100.0%
24										
25		Retail Energy Sales (kWh)	295,092,161	54,482,905	151,771,659	18,409,470	64,773,141	358,197	1,359,672	586,247,204
26	Energy	Energy Sales factor	50.3%	9.3%	25.9%	3.1%	11.0%	0.1%	0.2%	100.0%
27										
28		Customers	205,276	25,463	3,346	36	8,400	140	252	242,914
29	Customers	Customers Factor	84.5%	10.5%	1.4%	0.0%	3.5%	0.1%	0.1%	100.0%
30										
31		Customers/CS Weighting	12.00	12.00	12.00	12.00	7.00	1.00	-	
32										
33		Weighted Customers/CS	2,463,317	305,557	40,154	432	58,800	140	-	2,868,400
34	Weighted Customers/CS	Weighted Customers/CS Factor	85.9%	10.7%	1.4%	0.0%	2.0%	0.0%	0.0%	100.0%
35										
36		Customers Secondary	205,276	25,463	3,346	-	8,400	140	252	242,878
37	Customers Secondary	Customers Secondary Factor	84.5%	10.5%	1.4%	0.0%	3.5%	0.1%	0.1%	100.0%
38										
39		Meters	17,106	2,122	279	3	700	12	21	20,243
40	Meters	Meters Factor	84.5%	10.5%	1.4%	0.0%	3.5%	0.1%	0.1%	100.0%
41										
42		Meters/MR Weighting	12.00	12.00	12.00	12.00	4.00	2.00	-	
43										
44		Weighted Meters/MR	205,276	25,463	3,346	36	2,800	23	-	236,945
45	Weighted Meters/MR	Weighted Meters/MR Factor	86.6%	10.7%	1.4%	0.0%	1.2%	0.0%	0.0%	100.0%
46										
47		Meters/Cap. Cost Weighting	1.00	1.63	2.84	3.04	3.14	3.60	-	
48										
49		Weighted Meters/Cap	17,106	3,463	792	9	2,198	42	-	23,609
50	Weighted Meters/Cap	Weighted Meters/Cap Factor	72.5%	14.7%	3.4%	0.0%	9.3%	0.2%	0.0%	100.0%
51										
52		Street Lighting	-	-	-	-	-	-	1.00	1.00
53	StreetLt	Street Lighting Factor	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
54										
55		Retail Revenues	19,311,279	3,605,173	8,755,922	1,036,906	3,087,505	65,507	135,393	35,997,683
56	Retail Revenues	Retail Revenues Factor	53.6%	10.0%	24.3%	2.9%	8.6%	0.2%	0.4%	100.0%
57										
58		Irrigation	-	-	-	-	1.00	-	-	1.00
59	Irrigation	Irrigation Factor	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
60										
61		A&E COS	24,946,724	4,181,119	9,112,195	891,161	4,501,090	130,837	177,545	43,940,671
62	A&E COS	A&E COS Factor	56.8%	9.5%	20.7%	2.0%	10.2%	0.3%	0.4%	100.0%
63										
64		PR COS	25,941,882	4,198,337	9,402,613	896,314	3,273,390	49,438	178,697	43,940,671
65	PR COS	PR COS Factor	59.0%	9.6%	21.4%	2.0%	7.4%	0.1%	0.4%	100.0%
66										
67		Residential	1.00	-	-	-	-	-	-	1.00
68	Residential	Residential Factor	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

Appendix H
2013 ELECTRIC SYSTEM RATE STUDY
RATE DESIGN OPTION 1

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 1

Schedule No. 2 - Residential	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$10.00	\$28.07	\$35.00	\$40.00	\$45.00
Energy Charge (\$/kWh)					
< 2,000 kWh	\$0.05750	\$0.05993	\$0.04350	\$0.04657	\$0.05023
> 2,000 kWh	\$0.06316	\$0.05993	\$0.06316	\$0.06762	\$0.07293
Minimum Charge (\$/month)	n/a	\$79.80	n/a	n/a	n/a
Minimum Energy Charge (\$/month)	\$25.00	n/a	n/a	n/a	n/a
kWh in Basic Charge	500		n/a	n/a	n/a
Percent Change in Base Rate Revenue		17.4%	9.5%	9.5%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Set the basic charge to \$35 per month in 2013 and increased this to \$45 per month by 2015.
The energy charge is applied to all kilowatt-hours in 2013 and beyond. No change in the energy charge for usage above 2,000 kilowatt-hours in 2013. Decreased the energy charge applied to the first 2,000 kilowatt-hours in 2013 to offset the bill impacts from eliminating the minimum energy allowance (first 500 kilowatt-hours). Adjusted the energy charge as necessary to collect sufficient revenues for all other years. The energy charge for usage above 2,000 kilowatt-hours in 2014 and on is adjusted to maintain the same rate ratio between the lower and higher usage blocks.

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 1

Schedule No. 3 - Small General Service	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$12.00	\$32.73	\$40.00	\$45.00	\$50.00
Energy Charge (\$/kWh)	\$0.05855	\$0.05684	\$0.05308	\$0.05757	\$0.06272
Demand Charge (\$/kW/month equals or exceed 50 kW)	\$5.00	n/a	\$5.50	\$6.00	\$6.50
Minimum Charge (\$/month)	n/a	\$102.10	n/a	n/a	n/a
Minimum Energy Charge (\$/month)	\$25.00	n/a	n/a	n/a	n/a
kWh in Minimum Energy Charge	500	n/a	n/a	n/a	n/a
Percent Change in Base Rate Revenue		5.0%	9.5%	9.5%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Set the basic charge to \$40 per in 2013 and increased this to \$50 per month by 2015.
Energy charge applied to all kilowatt-hours in 2013 and beyond. Adjusted the energy charge as necessary to collect sufficient revenues. Demand charge increases \$0.50 per kilowatt each year until 2015.

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 1

Schedule No. 3 - Large General Service	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (3)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$12.00	\$41.62	\$20.00	\$30.00	\$40.00
Energy Charge (\$/kWh)	\$0.04150	\$0.02542	\$0.04521	\$0.04940	\$0.05416
Demand Charge (\$/kW/month above 50 kW)	\$5.00	n/a	\$5.50	\$6.00	\$6.50
Demand Charge (\$/all kW/month)	n/a	\$9.83	n/a	n/a	n/a
Minimum Charge (\$/month)	n/a	\$1,407	n/a	n/a	n/a
Minimum Demand Charge (\$/month)	\$250.00	n/a	\$275.00	\$300.00	\$325.00
kW in Minimum Demand Charge	50	n/a	50	50	50
Power Factor Charge (2)	97.0%		97.0%	97.0%	97.0%
Percent Change in Base Rate Revenue		-6.8%	9.5%	9.5%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) For every percentage a customer's power factor is below 97 percent, the demand charge will increase 1.0 percent.
- (3) Set the basic charge to \$20 per month in 2013 and increased to \$40 per month by 2015.
Adjusted the energy charge as necessary to collect sufficient revenues.
Demand charge increases \$0.50 per kilowatt each year until 2015.

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 1

Schedule No. 4 - Primary Industrial Service	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (3)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$75.00	\$41.86	\$80.00	\$90.00	\$100.00
Energy Charge (\$/kWh)	\$0.03631	\$0.02612	\$0.03631	\$0.03846	\$0.04124
Demand Charge (\$/billed kW/month)	\$5.50	\$5.84	\$7.00	\$8.00	\$9.00
Minimum Charge (\$/month)	n/a	\$9,911	n/a	n/a	n/a
Minimum Demand Charge (\$/month)	\$5,500	n/a	\$7,000	\$8,000	\$9,000
kW in Minimum Demand Charge	1,000	n/a	1,000	1,000	1,000
Power Factor Charge (2)	97.0%		97.0%	97.0%	97.0%
Percent Change in Base Rate Revenue		-23.9%	9.6%	9.4%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) For every percentage a customer's power factor is below 97 percent, the demand charge will increase 1.0 percent.
- (3) Set the basic charge to \$80 per month in 2013 and increased to \$100 per month by 2015.
Adjusted the energy charge as necessary to collect sufficient revenues.
Demand charge increases \$1.50 per kilowatt in 2013 and \$1.00 per kilowatt each year until 2015.

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 1

Schedule No. 6 - Irrigation	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (3)		
			April 2013	April 2014	April 2015
<u>Base Rates (2)</u>					
Basic Charge (\$/month)	\$12.00	\$41.34	\$12.00	\$15.00	\$20.00
Demand Charge (\$/billed kW/month)	\$3.00	\$11.76	\$3.00	\$4.00	\$5.00
Seasonal Energy Charge	\$0.03720	\$0.02485	\$0.03720	\$0.04338	\$0.04529
Inter-Seasonal Energy Charge	\$0.05855	\$0.02485	\$0.05855	\$0.06828	\$0.07128
Minimum Charge (\$/month)	n/a	\$312	n/a	n/a	n/a
Percent Change in Base Rate Revenue		31.5%	0.0%	19.9%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Rate schedule is based on continuous service for the irrigation season of April 1 through October 31.
- (3) Set the basic charge to \$15 per month in 2014 and increased to \$20 per month by 2015.
Adjusted the energy charge as necessary to collect sufficient revenues.
The inter-seasonal energy charge is adjusted to maintain the same rate ratio between the seasonal and inter-seasonal energy charges for 2014 and on. Demand charge increases \$1.00 per kilowatt each year through 2015.

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 1

Schedule No. 7 - Frost Control	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (3)		
			June 2013	June 2014	June 2015
<u>Base Rates (2)</u>					
Basic Charge (\$/year)	n/a	\$42.00	n/a	\$120.00	\$135.00
Demand Charge (\$/billed kW)	n/a	\$11.31	n/a	\$4.50	\$5.00
Annual Facilities Charge (\$/horsepower)	\$4.50	\$9.82	\$4.50	n/a	n/a
Energy Charge (\$/kWh)	\$0.02874	\$0.00707	\$0.02874	\$0.02874	\$0.03160
Minimum Charge (\$/month)	n/a	\$860	n/a	n/a	n/a
Percent Change in Base Rate Revenue		86.3%	0.0%	11.0%	11.3%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Customers served under this customer class are billed annually in June.
- (3) Set the basic charge to \$120 per month in 2014 and increased to \$150 per month by 2015.
Adjusted the energy charge as necessary to collect sufficient revenues.
Demand charge increases \$0.50 per kilowatt each year in 2015.

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 1

Schedule No. 8 - Street Lighting	Existing Rates	TY 2013 Cost of Service	Proposed Rates		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Fixture Charge (\$/Fixture)					
8,000 Lumen (175 MVP or 100W HPS)	\$6.40	\$9.05	\$7.00	\$7.70	\$8.40
22,000 Lumen (400W MVP or 200W HPS)	\$9.80	\$9.05	\$10.70	\$11.80	\$12.90
Percent Change in Base Rate Revenue		23.3%	9.3%	10.2%	9.2%

**Okanogan County PUD
2013 Bill Frequency Analysis**

**Rate Adjustment Impact Assessment - Rate Design Option 1
District Customer Class Estimated Monthly Bills**

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q)

Schedule No. 2 - Residential

Line No.	kWh per month	No. of Customers	% of Total	Cum. % of Total	Bill at Current Rates		Bill at Cost of Service			Bill at TY 2013 Proposed		Bill at TY 2014 Proposed		Bill at TY 2015 Proposed		
					Cents per kWh	Percent Change	Percent Change	Cents per kWh	Percent Change	Percent Change	Percent Change	Percent Change				
1	0	529	3.1%	3.1%	\$35.00		\$79.80	128.0%		\$35.00	0.0%	\$40.00	14.3%	\$45.00	12.5%	
2	100	996	5.8%	9.0%	35.24	35.24	79.80	126.5%	79.80	39.62	12.4%	45.16	14.0%	50.60	12.1%	
3	200	602	3.5%	12.5%	35.48	17.74	79.80	124.9%	39.90	44.23	24.7%	50.32	13.8%	56.20	11.7%	
4	300	556	3.3%	15.8%	35.72	11.91	79.80	123.4%	26.60	48.85	36.7%	55.47	13.6%	61.81	11.4%	
5	400	587	3.4%	19.2%	35.96	8.99	79.80	121.9%	19.95	53.46	48.7%	60.63	13.4%	67.41	11.2%	
6	500	649	3.8%	23.0%	36.20	7.24	79.80	120.4%	15.96	58.08	60.4%	65.79	13.3%	73.01	11.0%	
7	600	688	4.0%	27.1%	42.19	7.03	79.80	89.1%	13.30	62.69	48.6%	70.95	13.2%	78.61	10.8%	
8	700	734	4.3%	31.4%	48.18	6.88	79.80	65.6%	11.40	67.31	39.7%	76.11	13.1%	84.21	10.7%	
9	800	762	4.5%	35.8%	54.17	6.77	79.80	47.3%	9.98	71.92	32.8%	81.26	13.0%	89.82	10.5%	
10	900	755	4.4%	40.3%	60.16	6.68	82.01	36.3%	9.11	76.54	27.2%	86.42	12.9%	95.42	10.4%	
11	1,000	767	4.5%	44.8%	66.15	6.62	88.00	33.0%	8.80	81.15	22.7%	91.58	12.8%	101.02	10.3%	
12	1,100	717	4.2%	49.0%	72.14	6.56	93.99	30.3%	8.54	85.77	18.9%	96.74	12.8%	106.62	10.2%	
13	1,200	685	4.0%	53.0%	78.13	6.51	99.99	28.0%	8.33	90.38	15.7%	101.90	12.7%	112.23	10.1%	
14	1,300	628	3.7%	56.7%	84.12	6.47	105.98	26.0%	8.15	95.00	12.9%	107.05	12.7%	117.83	10.1%	
15	1,400	588	3.5%	60.2%	Avg.	90.11	6.44	111.97	24.3%	8.00	99.62	10.5%	112.21	12.6%	123.43	10.0%
16	1,500	543	3.2%	63.3%	96.10	6.41	117.97	22.8%	7.86	104.23	8.5%	117.37	12.6%	129.03	9.9%	
17	1,600	509	3.0%	66.3%	102.09	6.38	123.96	21.4%	7.75	108.85	6.6%	122.53	12.6%	134.63	9.9%	
18	1,700	456	2.7%	69.0%	108.08	6.36	129.95	20.2%	7.64	113.46	5.0%	127.69	12.5%	140.24	9.8%	
19	1,800	429	2.5%	71.5%	114.07	6.34	135.95	19.2%	7.55	118.08	3.5%	132.84	12.5%	145.84	9.8%	
20	1,900	381	2.2%	73.8%	120.06	6.32	141.94	18.2%	7.47	122.69	2.2%	138.00	12.5%	151.44	9.7%	
21	2,000	368	2.2%	75.9%	126.05	6.30	147.93	17.4%	7.40	127.31	1.0%	143.16	12.5%	157.04	9.7%	
22	2,250	784	4.6%	80.5%	142.44	6.33	162.92	14.4%	7.24	143.76	0.9%	161.32	12.2%	176.72	9.5%	
23	2,500	639	3.8%	84.3%	158.83	6.35	177.90	12.0%	7.12	160.22	0.9%	179.48	12.0%	196.40	9.4%	
24	2,750	521	3.1%	87.3%	175.22	6.37	192.88	10.1%	7.01	176.67	0.8%	197.63	11.9%	216.08	9.3%	
25	3,000	441	2.6%	89.9%	191.61	6.39	207.87	8.5%	6.93	193.12	0.8%	215.79	11.7%	235.76	9.3%	
26	3,250	354	2.1%	92.0%	208.00	6.40	222.85	7.1%	6.86	209.58	0.8%	233.95	11.6%	255.44	9.2%	
27	3,500	280	1.6%	93.7%	224.39	6.41	237.83	6.0%	6.80	226.03	0.7%	252.11	11.5%	275.12	9.1%	
28	3,750	220	1.3%	95.0%	240.78	6.42	252.82	5.0%	6.74	242.48	0.7%	270.26	11.5%	294.80	9.1%	
29	4,000	178	1.0%	96.0%	257.17	6.43	267.80	4.1%	6.70	258.94	0.7%	288.42	11.4%	314.48	9.0%	
30	4,250	139	0.8%	96.8%	273.56	6.44	282.78	3.4%	6.65	275.39	0.7%	306.58	11.3%	334.16	9.0%	
31	4,500	110	0.6%	97.5%	289.95	6.44	297.77	2.7%	6.62	291.84	0.7%	324.74	11.3%	353.84	9.0%	
32	4,750	85	0.5%	98.0%	306.34	6.45	312.75	2.1%	6.58	308.30	0.6%	342.89	11.2%	373.52	8.9%	
33	5,000	76	0.4%	98.4%	322.73	6.45	327.74	1.6%	6.55	324.75	0.6%	361.05	11.2%	393.20	8.9%	
34	5,250	54	0.3%	98.7%	339.12	6.46	342.72	1.1%	6.53	341.20	0.6%	379.21	11.1%	412.88	8.9%	
35	5,500	42	0.2%	99.0%	355.51	6.46	357.70	0.6%	6.50	357.66	0.6%	397.37	11.1%	432.56	8.9%	
36	5,750	33	0.2%	99.2%	371.90	6.47	372.69	0.2%	6.48	374.11	0.6%	415.52	11.1%	452.25	8.8%	
37	6,000	27	0.2%	99.3%	388.29	6.47	387.67	-0.2%	6.46	390.56	0.6%	433.68	11.0%	471.93	8.8%	
38	6,250	24	0.1%	99.5%	404.68	6.47	402.65	-0.5%	6.44	407.02	0.6%	451.84	11.0%	491.61	8.8%	
39	6,500	16	0.1%	99.5%	421.07	6.48	417.64	-0.8%	6.43	423.47	0.6%	470.00	11.0%	511.29	8.8%	
40	6,750	13	0.1%	99.6%	437.46	6.48	432.62	-1.1%	6.41	439.92	0.6%	488.15	11.0%	530.97	8.8%	
41	7,000-8,000	41	0.2%	99.9%	519.41	6.49	507.54	-2.3%	6.34	522.19	0.5%	578.94	10.9%	629.37	8.7%	
42	8,001-9,000	11	0.1%	99.9%	584.97	6.50	567.47	-3.0%	6.31	588.01	0.5%	651.57	10.8%	708.09	8.7%	
43	9,001-10,000	4	0.0%	100.0%	650.53	6.51	627.40	-3.6%	6.27	653.82	0.5%	724.20	10.8%	786.81	8.6%	
44	>10,000	8	0.0%	100.0%	650.53	6.51	627.40	-3.6%	6.27	653.82	0.5%	724.20	10.8%	786.81	8.6%	
45		17,029														

Note: Based on 2012 billing data.

**Okanogan County PUD
2013 Bill Frequency Analysis**

Rate Adjustment Impact Assessment - Rate Design Option 1
District Customer Class Estimated Monthly Bills

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
Schedule No. 3A - Small General Service																
Line No.	kWh per month	No. of Customers	% of Total	Cum. % of Total		Bill at Current Rates	Cents per kWh	Bill at Cost of Service	Percent Change	Cents per kWh	Bill at TY 2013 Proposed	Percent Change	Bill at TY 2014 Proposed	Percent Change	Bill at TY 2015 Proposed	Percent Change
1	0	123	5.98%	6.0%		\$37.00		\$102.10	175.9%		\$40.00	8.1%	\$45.00	12.5%	\$50.00	11.1%
2	250	418	20.23%	26.2%		37.60	15.04	102.10	171.5%	40.84	53.93	43.4%	60.65	12.4%	67.13	10.7%
3	500	200	9.68%	35.9%		38.20	7.64	102.10	167.3%	20.42	67.87	77.7%	76.29	12.4%	84.26	10.4%
4	750	145	7.03%	42.9%		53.44	7.13	102.10	91.1%	13.61	81.80	53.1%	91.94	12.4%	101.38	10.3%
5	1,000	130	6.31%	49.2%		68.68	6.87	102.10	48.7%	10.21	95.73	39.4%	107.58	12.4%	118.51	10.2%
6	1,500	212	10.27%	59.5%		99.15	6.61	117.98	19.0%	7.87	123.60	24.7%	138.87	12.4%	152.77	10.0%
7	2,000	156	7.56%	67.1%	Avg.	129.63	6.48	146.40	12.9%	7.32	151.47	16.9%	170.16	12.3%	187.02	9.9%
8	2,500	115	5.58%	72.6%		160.10	6.40	174.81	9.2%	6.99	179.34	12.0%	201.45	12.3%	221.28	9.8%
9	3,000	98	4.74%	77.4%		190.58	6.35	203.23	6.6%	6.77	207.20	8.7%	232.74	12.3%	255.53	9.8%
10	3,500	69	3.33%	80.7%		221.05	6.32	231.65	4.8%	6.62	235.07	6.3%	264.03	12.3%	289.79	9.8%
11	4,000	60	2.91%	83.6%		251.53	6.29	260.07	3.4%	6.50	262.94	4.5%	295.32	12.3%	324.04	9.7%
12	4,500	43	2.09%	85.7%		282.00	6.27	288.48	2.3%	6.41	290.80	3.1%	326.61	12.3%	358.30	9.7%
13	5,000	42	2.04%	87.7%		312.48	6.25	316.90	1.4%	6.34	318.67	2.0%	357.90	12.3%	392.55	9.7%
14	5,500	34	1.62%	89.4%		342.95	6.24	345.32	0.7%	6.28	346.54	1.0%	389.19	12.3%	426.81	9.7%
15	6,000	26	1.25%	90.6%		373.43	6.22	373.74	0.1%	6.23	374.40	0.3%	420.48	12.3%	461.07	9.7%
16	6,500	28	1.35%	92.0%		403.90	6.21	402.15	-0.4%	6.19	402.27	-0.4%	451.77	12.3%	495.32	9.6%
17	7,000	19	0.94%	92.9%		434.38	6.21	430.57	-0.9%	6.15	430.14	-1.0%	483.06	12.3%	529.58	9.6%
18	7,500	21	1.01%	93.9%		464.85	6.20	458.99	-1.3%	6.12	458.01	-1.5%	514.35	12.3%	563.83	9.6%
19	8,000	17	0.82%	94.7%		495.33	6.19	487.41	-1.6%	6.09	485.87	-1.9%	545.64	12.3%	598.09	9.6%
20	8,500	13	0.63%	95.4%		525.80	6.19	515.82	-1.9%	6.07	513.74	-2.3%	576.93	12.3%	632.34	9.6%
21	9,000	12	0.57%	95.9%		556.28	6.18	544.24	-2.2%	6.05	541.61	-2.6%	608.22	12.3%	666.60	9.6%
22	9,500	12	0.60%	96.5%		586.75	6.18	572.66	-2.4%	6.03	569.47	-2.9%	639.51	12.3%	700.85	9.6%
23	10,000	10	0.50%	97.0%		617.23	6.17	601.08	-2.6%	6.01	597.34	-3.2%	670.80	12.3%	735.11	9.6%
24	11,000	15	0.72%	97.7%		678.18	6.17	657.91	-3.0%	5.98	653.07	-3.7%	733.38	12.3%	803.62	9.6%
25	12,000	12	0.58%	98.3%		739.13	6.16	714.75	-3.3%	5.96	708.81	-4.1%	795.96	12.3%	872.13	9.6%
26	13,000	6	0.31%	98.6%		800.08	6.15	771.58	-3.6%	5.94	764.54	-4.4%	858.54	12.3%	940.64	9.6%
27	14,000	5	0.26%	98.9%		861.03	6.15	828.42	-3.8%	5.92	820.28	-4.7%	921.12	12.3%	1,009.15	9.6%
28	15,000	5	0.23%	99.1%		921.98	6.15	885.25	-4.0%	5.90	876.01	-5.0%	983.71	12.3%	1,077.66	9.6%
29	16,000	4	0.18%	99.3%		982.93	6.14	942.09	-4.2%	5.89	931.74	-5.2%	1,046.29	12.3%	1,146.17	9.5%
30	17,000	3	0.12%	99.4%		1,043.88	6.14	998.92	-4.3%	5.88	987.48	-5.4%	1,108.87	12.3%	1,214.69	9.5%
31	18,000	3	0.14%	99.6%		1,104.83	6.14	1,055.76	-4.4%	5.87	1,043.21	-5.6%	1,171.45	12.3%	1,283.20	9.5%
32	19,000	2	0.08%	99.6%		1,165.78	6.14	1,112.59	-4.6%	5.86	1,098.95	-5.7%	1,234.03	12.3%	1,351.71	9.5%
33	20,000	2	0.10%	99.7%		1,226.73	6.13	1,169.43	-4.7%	5.85	1,154.68	-5.9%	1,296.61	12.3%	1,420.22	9.5%
34	21,000	1	0.05%	99.8%		1,287.68	6.13	1,226.26	-4.8%	5.84	1,210.41	-6.0%	1,359.19	12.3%	1,488.73	9.5%
35	22,000	1	0.06%	99.9%		1,348.63	6.13	1,283.10	-4.9%	5.83	1,266.15	-6.1%	1,421.77	12.3%	1,557.24	9.5%
36	23,000	1	0.04%	99.9%		1,409.58	6.13	1,339.93	-4.9%	5.83	1,321.88	-6.2%	1,484.35	12.3%	1,625.75	9.5%
37	24,000	1	0.04%	99.9%		1,470.53	6.13	1,396.77	-5.0%	5.82	1,377.62	-6.3%	1,546.93	12.3%	1,694.26	9.5%
38	25,000	1	0.03%	100.0%		1,531.48	6.13	1,453.60	-5.1%	5.81	1,433.35	-6.4%	1,609.51	12.3%	1,762.77	9.5%
39	26,000	0	0.00%	100.0%		1,592.43	6.12	1,510.44	-5.1%	5.81	1,489.08	-6.5%	1,672.09	12.3%	1,831.28	9.5%
40	27,000	0	0.01%	100.0%		1,653.38	6.12	1,567.27	-5.2%	5.80	1,544.82	-6.6%	1,734.67	12.3%	1,899.79	9.5%
41	28,000	0	0.00%	100.0%		1,714.33	6.12	1,624.11	-5.3%	5.80	1,600.55	-6.6%	1,797.25	12.3%	1,968.31	9.5%
42	29,000	0	0.01%	100.0%		1,775.28	6.12	1,680.94	-5.3%	5.80	1,656.29	-6.7%	1,859.83	12.3%	2,036.82	9.5%
43	30,000	0	0.01%	100.0%		1,836.23	6.12	1,737.78	-5.4%	5.79	1,712.02	-6.8%	1,922.41	12.3%	2,105.33	9.5%
		2,064														

Note: Based on 2012 billing data.

Okanogan County PUD
2013 Bill Frequency Analysis

Rate Adjustment Impact Assessment - Rate Design Option 1
District Customer Class Estimated Monthly Bills

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S)

Schedule No. 3B - Large General Service

Line No.	kWh per month	No. of Customers	% of Total	Cum. % of Total	kW per Month	Load Factor	Bill at Current Rates	Cents per kWh	Bill at Cost of Service	Percent Change	Cents per kWh	Bill at TY 2013 Proposed	Percent Change	Bill at TY 2014 Proposed	Percent Change	Bill at TY 2015 Proposed	Percent Change
1	0	2	0.6%	0.61%	0.0	40.0%	\$262.00		\$1,406.64	436.9%		\$295.00	12.6%	\$330.00	11.9%	\$365.00	10.6%
2	1,000	7	2.5%	3.13%	3.4	40.0%	305.90	30.59	1,406.64	359.8%	140.66	342.86	12.1%	384.41	12.1%	424.95	10.5%
3	2,000	8	2.8%	5.93%	6.8	40.0%	349.80	17.49	1,406.64	302.1%	70.33	390.73	11.7%	438.82	12.3%	484.90	10.5%
4	3,000	9	3.2%	9.10%	10.3	40.0%	393.70	13.12	1,406.64	257.3%	46.89	438.59	11.4%	493.23	12.5%	544.85	10.5%
5	4,000	8	2.9%	11.99%	13.7	40.0%	437.60	10.94	1,406.64	221.4%	35.17	486.46	11.2%	547.64	12.6%	604.80	10.4%
6	5,000	7	2.7%	14.72%	17.1	40.0%	481.50	9.63	1,406.64	192.1%	28.13	534.32	11.0%	602.05	12.7%	664.75	10.4%
7	6,000	7	2.7%	17.46%	20.5	40.0%	525.40	8.76	1,406.64	167.7%	23.44	582.18	10.8%	656.46	12.8%	724.71	10.4%
8	7,000	8	2.9%	20.34%	24.0	40.0%	569.30	8.13	1,406.64	147.1%	20.09	630.05	10.7%	710.87	12.8%	784.66	10.4%
9	8,000	9	3.3%	23.60%	27.4	40.0%	613.20	7.67	1,406.64	129.4%	17.58	677.91	10.6%	765.28	12.9%	844.61	10.4%
10	9,000	7	2.6%	26.24%	30.8	40.0%	657.10	7.30	1,406.64	114.1%	15.63	725.78	10.5%	819.69	12.9%	904.56	10.4%
11	10,000	6	2.3%	28.55%	34.2	40.0%	701.00	7.01	1,406.64	100.7%	14.07	773.64	10.4%	874.10	13.0%	964.51	10.3%
12	15,000	32	11.7%	40.29%	51.4	40.0%	927.35	6.18	1,406.64	51.7%	9.38	1,020.49	10.0%	1,154.37	13.1%	1,273.17	10.3%
13	20,000	26	9.4%	49.69%	68.5	40.0%	1,232.47	6.16	1,406.64	14.1%	7.03	1,353.99	9.9%	1,529.17	12.9%	1,684.22	10.1%
14	25,000	22	8.0%	57.71%	85.6	40.0%	1,537.58	6.15	1,406.64	-8.5%	5.63	1,687.49	9.7%	1,903.96	12.8%	2,095.28	10.0%
15	30,000	15	5.4%	63.12%	102.7	40.0%	1,842.70	6.14	1,406.64	-23.7%	4.69	2,020.99	9.7%	2,278.75	12.8%	2,506.34	10.0%
16	35,000	11	4.0%	67.09%	119.9	40.0%	2,147.82	6.14	1,617.66	-24.7%	4.62	2,354.49	9.6%	2,653.54	12.7%	2,917.39	9.9%
17	40,000	10	3.5%	70.62%	137.0	40.0%	2,452.93	6.13	1,912.99	-22.0%	4.78	2,687.99	9.6%	3,028.33	12.7%	3,328.45	9.9%
18	45,000	7	2.6%	73.17%	154.1	40.0% Avg.	2,758.05	6.13	2,208.31	-19.9%	4.91	3,021.48	9.6%	3,403.12	12.6%	3,739.50	9.9%
19	50,000	6	2.3%	75.45%	171.2	40.0%	3,063.16	6.13	2,503.64	-18.3%	5.01	3,354.98	9.5%	3,777.91	12.6%	4,150.56	9.9%
20	55,000	6	2.4%	77.81%	188.4	40.0%	3,368.28	6.12	2,798.97	-16.9%	5.09	3,688.48	9.5%	4,152.71	12.6%	4,561.61	9.8%
21	60,000	5	1.8%	79.59%	205.5	40.0%	3,673.40	6.12	3,094.30	-15.8%	5.16	4,021.98	9.5%	4,527.50	12.6%	4,972.67	9.8%
22	65,000	5	1.7%	81.32%	222.6	40.0%	3,978.51	6.12	3,389.62	-14.8%	5.21	4,355.48	9.5%	4,902.29	12.6%	5,383.73	9.8%
23	70,000	4	1.6%	82.91%	239.7	40.0%	4,283.63	6.12	3,684.95	-14.0%	5.26	4,688.97	9.5%	5,277.08	12.5%	5,794.78	9.8%
24	75,000	4	1.4%	84.27%	256.8	40.0%	4,588.75	6.12	3,980.28	-13.3%	5.31	5,022.47	9.5%	5,651.87	12.5%	6,205.84	9.8%
25	80,000	3	1.2%	85.46%	274.0	40.0%	4,893.86	6.12	4,275.61	-12.6%	5.34	5,355.97	9.4%	6,026.66	12.5%	6,616.89	9.8%
26	85,000	2	0.8%	86.26%	291.1	40.0%	5,198.98	6.12	4,570.94	-12.1%	5.38	5,689.47	9.4%	6,401.45	12.5%	7,027.95	9.8%
27	90,000	2	0.7%	86.97%	308.2	40.0%	5,504.10	6.12	4,866.26	-11.6%	5.41	6,022.97	9.4%	6,776.25	12.5%	7,439.01	9.8%
28	95,000	2	0.8%	87.77%	325.3	40.0%	5,809.21	6.11	5,161.59	-11.1%	5.43	6,356.47	9.4%	7,151.04	12.5%	7,850.06	9.8%
29	100,000	2	0.9%	88.66%	342.5	40.0%	6,114.33	6.11	5,456.92	-10.8%	5.46	6,689.96	9.4%	7,525.83	12.5%	8,261.12	9.8%
30	125,000	7	2.5%	91.12%	428.1	40.0%	7,639.91	6.11	6,933.56	-9.2%	5.55	8,357.45	9.4%	9,399.79	12.5%	10,316.40	9.8%
31	150,000	5	2.0%	93.12%	513.7	40.0%	9,165.49	6.11	8,410.20	-8.2%	5.61	10,024.95	9.4%	11,273.74	12.5%	12,371.68	9.7%
32	175,000	5	1.8%	94.87%	599.3	40.0%	10,691.08	6.11	9,886.83	-7.5%	5.65	11,692.44	9.4%	13,147.70	12.4%	14,426.96	9.7%
33	200,000	2	0.7%	95.54%	684.9	40.0%	12,216.66	6.11	11,363.47	-7.0%	5.68	13,359.93	9.4%	15,021.66	12.4%	16,482.23	9.7%
34	225,000	3	1.2%	96.74%	770.5	40.0%	13,742.24	6.11	12,840.11	-6.6%	5.71	15,027.42	9.4%	16,895.62	12.4%	18,537.51	9.7%
35	250,000	2	0.9%	97.63%	856.2	40.0%	15,267.82	6.11	14,316.75	-6.2%	5.73	16,694.91	9.3%	18,769.57	12.4%	20,592.79	9.7%
36	275,000	2	0.6%	98.19%	941.8	40.0%	16,793.40	6.11	15,793.39	-6.0%	5.74	18,362.40	9.3%	20,643.53	12.4%	22,648.07	9.7%
37	300,000	1	0.4%	98.56%	1,027.4	40.0%	18,318.99	6.11	17,270.03	-5.7%	5.76	20,029.89	9.3%	22,517.49	12.4%	24,703.35	9.7%
38	325,000	1	0.3%	98.86%	1,113.0	40.0%	19,844.57	6.11	18,746.67	-5.5%	5.77	21,697.38	9.3%	24,391.44	12.4%	26,758.63	9.7%
39	350,000	1	0.3%	99.14%	1,198.6	40.0%	21,370.15	6.11	20,223.31	-5.4%	5.78	23,364.87	9.3%	26,265.40	12.4%	28,813.91	9.7%
40	375,000	0	0.1%	99.26%	1,284.2	40.0%	22,895.73	6.11	21,699.94	-5.2%	5.79	25,032.36	9.3%	28,139.36	12.4%	30,869.19	9.7%
41	400,000	1	0.2%	99.45%	1,369.9	40.0%	24,421.32	6.11	23,176.58	-5.1%	5.79	26,699.86	9.3%	30,013.32	12.4%	32,924.47	9.7%
42	425,000	0	0.1%	99.57%	1,455.5	40.0%	25,946.90	6.11	24,653.22	-5.0%	5.80	28,367.35	9.3%	31,887.27	12.4%	34,979.75	9.7%
43	450,000	0	0.1%	99.63%	1,541.1	40.0%	27,472.48	6.10	26,129.86	-4.9%	5.81	30,034.84	9.3%	33,761.23	12.4%	37,035.03	9.7%
44	475,000	0	0.0%	99.66%	1,626.7	40.0%	28,998.06	6.10	27,606.50	-4.8%	5.81	31,702.33	9.3%	35,635.19	12.4%	39,090.31	9.7%
45	500,000	0	0.2%	99.82%	1,712.3	40.0%	30,523.64	6.10	29,083.14	-4.7%	5.82	33,369.82	9.3%	37,509.14	12.4%	41,145.59	9.7%
46	525,000	0	0.0%	99.85%	1,797.9	40.0%	32,049.23	6.10	30,559.78	-4.6%	5.82	35,037.31	9.3%	39,383.10	12.4%	43,200.87	9.7%
47	550,000	0	0.0%	99.88%	1,883.6	40.0%	33,574.81	6.10	32,036.42	-4.6%	5.82	36,704.80	9.3%	41,257.06	12.4%	45,256.15	9.7%
48	575,000	0	0.0%	99.91%	1,969.2	40.0%	35,100.39	6.10	33,513.05	-4.5%	5.83	38,372.29	9.3%	43,131.02	12.4%	47,311.42	9.7%
49	600,000	0	0.0%	99.94%	2,054.8	40.0%	36,625.97	6.10	34,989.69	-4.5%	5.83	40,039.78	9.3%	45,004.97	12.4%	49,366.70	9.7%
50	625,000	0	0.1%	100.00%	2,140.4	40.0%	38,151.55	6.10	36,466.33	-4.4%	5.83	41,707.27	9.3%	46,878.93	12.4%	51,421.98	9.7%
51	650,000	0	0.0%	100.00%	2,226.0	40.0%	39,677.14	6.10	37,942.97	-4.4%	5.84	43,374.76	9.3%	48,752.89	12.4%	53,477.26	9.7%
52	675,000	0	0.0%	100.00%	2,311.6	40.0%	41,202.72	6.10	39,419.61	-4.3%	5.84	45,042.26	9.3%	50,626.85	12.4%	55,532.54	9.7%
53	700,000	0	0.0%	100.00%	2,397.3	40.0%	42,728.30	6.10	40,896.25	-4.3%	5.84	46,709.75	9.3%	52,500.80	12.4%	57,587.82	9.7%

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Note: Based on 2012 billing data.

**Okanogan County PUD
2013 Bill Frequency Analysis**

Rate Adjustment Impact Assessment - Rate Design Option 1

District Customer Class Estimated Monthly Bills

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q)

Schedule No. 4 - Primary Industrial Service

Line No.	kWh per month	No. of Customers	kW per Month	Load Factor	Power Factor	Bill at Current Rates	Cents per kWh	Bill at Cost of Service	Percent Change	Cents per kWh	Bill at TY 2013 Proposed	Percent Change	Bill at TY 2014 Proposed	Percent Change	Bill at TY 2015 Proposed	Percent Change
1	25,000	0	68	50.0%		\$6,543	26.17	\$9,911	51.5%	39.65	\$8,054	23.1%	\$9,177	13.9%	\$10,276	12.0%
2	50,000	0	137	50.0%		7,511	15.02	9,911	32.0%	19.82	9,028	20.2%	10,264	13.7%	11,452	11.6%
3	75,000	0	205	50.0%		8,478	11.30	9,911	16.9%	13.22	10,002	18.0%	11,350	13.5%	12,627	11.3%
4	100,000	0	274	50.0%		9,446	9.45	9,911	4.9%	9.91	10,976	16.2%	12,437	13.3%	13,803	11.0%
5	125,000	0	342	50.0%		10,414	8.33	9,911	-4.8%	7.93	11,951	14.8%	13,524	13.2%	14,979	10.8%
6	150,000	0	411	50.0%		11,382	7.59	9,911	-12.9%	6.61	12,925	13.6%	14,611	13.0%	16,155	10.6%
7	175,000	0	479	50.0%		12,349	7.06	9,911	-19.7%	5.66	13,899	12.5%	15,697	12.9%	17,330	10.4%
8	200,000	0	548	50.0%		13,317	6.66	9,911	-25.6%	4.96	14,873	11.7%	16,784	12.9%	18,506	10.3%
9	225,000	1	356	86.7%	0.0%	14,285	6.35	9,911	-30.6%	4.41	15,847	10.9%	17,871	12.8%	19,682	10.1%
10	250,000	0	685	50.0%		15,253	6.10	10,574	-30.7%	4.23	16,821	10.3%	18,958	12.7%	20,858	10.0%
11	275,000	0	753	50.0%		16,220	5.90	11,627	-28.3%	4.23	17,795	9.7%	20,044	12.6%	22,033	9.9%
12	300,000	0	822	50.0%		17,188	5.73	12,680	-26.2%	4.23	18,769	9.2%	21,131	12.6%	23,209	9.8%
13	325,000	0	890	50.0%		18,156	5.59	13,734	-24.4%	4.23	19,743	8.7%	22,218	12.5%	24,385	9.8%
14	350,000	1	1,304	36.8%	96.0%	20,795	5.94	16,803	-19.2%	4.80	22,844	9.9%	25,736	12.7%	28,296	9.9%
15	375,000	0	1,027	50.0%		20,242	5.40	15,840	-21.7%	4.22	21,883	8.1%	24,611	12.5%	26,983	9.6%
16	400,000	0	1,096	50.0%		21,586	5.40	16,893	-21.7%	4.22	23,337	8.1%	26,245	12.5%	28,775	9.6%
17	425,000	0	1,164	50.0%		22,931	5.40	17,946	-21.7%	4.22	24,790	8.1%	27,880	12.5%	30,568	9.6%
18	450,000	0	1,233	50.0%		24,275	5.39	19,000	-21.7%	4.22	26,244	8.1%	29,515	12.5%	32,360	9.6%
19	475,000	0	1,301	50.0%		25,620	5.39	20,053	-21.7%	4.22	27,697	8.1%	31,149	12.5%	34,152	9.6%
20	500,000	0	1,370	50.0%		26,964	5.39	21,106	-21.7%	4.22	29,151	8.1%	32,784	12.5%	35,944	9.6%
21	525,000	0	1,438	50.0%		28,309	5.39	22,159	-21.7%	4.22	30,605	8.1%	34,419	12.5%	37,736	9.6%
22	550,000	0	1,507	50.0%		29,653	5.39	23,212	-21.7%	4.22	32,058	8.1%	36,053	12.5%	39,529	9.6%
23	575,000	0	1,575	50.0%		30,998	5.39	24,266	-21.7%	4.22	33,512	8.1%	37,688	12.5%	41,321	9.6%
24	600,000	0	1,644	50.0%		32,342	5.39	25,319	-21.7%	4.22	34,965	8.1%	39,323	12.5%	43,113	9.6%
25	625,000	0	1,712	50.0%		33,687	5.39	26,372	-21.7%	4.22	36,419	8.1%	40,958	12.5%	44,905	9.6%
26	650,000	0	1,781	50.0%		35,031	5.39	27,425	-21.7%	4.22	37,872	8.1%	42,592	12.5%	46,697	9.6%
27	675,000	0	1,849	50.0%		36,375	5.39	28,478	-21.7%	4.22	39,326	8.1%	44,227	12.5%	48,490	9.6%
28	700,000	0	1,918	50.0%		37,720	5.39	29,532	-21.7%	4.22	40,779	8.1%	45,862	12.5%	50,282	9.6%
29	725,000	0	1,986	50.0%		39,064	5.39	30,585	-21.7%	4.22	42,233	8.1%	47,496	12.5%	52,074	9.6%
30	750,000	0	2,055	50.0%		40,409	5.39	31,638	-21.7%	4.22	43,687	8.1%	49,131	12.5%	53,866	9.6%
31	775,000	0	2,123	50.0%		41,753	5.39	32,691	-21.7%	4.22	45,140	8.1%	50,766	12.5%	55,659	9.6%
32	800,000	0	2,192	50.0%		43,098	5.39	33,744	-21.7%	4.22	46,594	8.1%	52,401	12.5%	57,451	9.6%
33	825,000	0	2,260	50.0%		44,442	5.39	34,798	-21.7%	4.22	48,047	8.1%	54,035	12.5%	59,243	9.6%
34	850,000	0	2,329	50.0%		45,787	5.39	35,851	-21.7%	4.22	49,501	8.1%	55,670	12.5%	61,035	9.6%
35	875,000	0	2,397	50.0%		47,131	5.39	36,904	-21.7%	4.22	50,954	8.1%	57,305	12.5%	62,827	9.6%
36	900,000	0	2,466	50.0%		48,476	5.39	37,957	-21.7%	4.22	52,408	8.1%	58,939	12.5%	64,620	9.6%
37	925,000	0	2,534	50.0%		49,820	5.39	39,011	-21.7%	4.22	53,861	8.1%	60,574	12.5%	66,412	9.6%
38	950,000	0	2,603	50.0%		51,165	5.39	40,064	-21.7%	4.22	55,315	8.1%	62,209	12.5%	68,204	9.6%
39	975,000	0	2,671	50.0%		52,509	5.39	41,117	-21.7%	4.22	56,769	8.1%	63,843	12.5%	69,996	9.6%
40	1,000,000	1	1,776	77.1%	81.9%	48,551	4.86	36,536	-24.7%	3.65	51,474	6.0%	57,766	12.2%	63,112	9.3%

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Note: Schedule No. 4 only serves three customers. Other usage levels are shown for reference. This analysis does not include the customer served under the "New Single Large Load" customer class.

**Okanogan County PUD
2013 Bill Frequency Analysis**

Rate Adjustment Impact Assessment - Rate Design Option 1

District Customer Class Estimated Monthly Bills

(A) (B) (C) (D) (E) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S)

Schedule No. 6 - Irrigation

Line No.	kWh per month	No. of Customers	% of Total	Cum. % of Total	kW per Month	Load Factor	Bill at Current Rates		Bill at Cost of Service			Bill at TY 2013 Proposed		Bill at TY 2014 Proposed		Bill at TY 2015 Proposed	
							Cents per kWh		Percent Change	Cents per kWh	Percent Change	Percent Change	Percent Change	Percent Change			
1	0	244	19.2%	19.2%	0	50.0%	\$12.00		\$41.34	244.5%		\$12.00	0.0%	\$15.00	25.0%	\$20.00	33.3%
2	500	285	22.4%	41.6%	1	50.0%	35.91	7.18	69.87	94.6%	13.97	36.04	0.4%	44.67	24.0%	52.39	17.3%
3	1,000	99	7.8%	49.5%	3	50.0%	59.82	5.98	98.40	64.5%	9.84	60.07	0.4%	74.35	23.8%	84.78	14.0%
4	1,500	79	6.2%	55.7%	4	50.0%	83.73	5.58	126.93	51.6%	8.46	84.11	0.5%	104.02	23.7%	117.17	12.6%
5	2,000	56	4.4%	60.1%	5	50.0%	107.64	5.38	155.46	44.4%	7.77	108.15	0.5%	133.70	23.6%	149.56	11.9%
6	2,500	56	4.4%	64.5%	7	50.0%	131.55	5.26	183.99	39.9%	7.36	132.18	0.5%	163.37	23.6%	181.95	11.4%
7	3,000	44	3.5%	68.0%	8	50.0%	155.46	5.18	212.52	36.7%	7.08	156.22	0.5%	193.05	23.6%	214.34	11.0%
8	3,500	35	2.8%	70.8%	10	50.0%	179.37	5.12	241.05	34.4%	6.89	180.26	0.5%	222.72	23.6%	246.73	10.8%
9	4,000	31	2.4%	73.2%	11	50.0%	203.28	5.08	269.58	32.6%	6.74	204.29	0.5%	252.40	23.5%	279.12	10.6%
10	4,500	25	2.0%	75.2%	12	50.0%	Avg. 227.19	5.05	298.11	31.2%	6.62	228.33	0.5%	282.07	23.5%	311.51	10.4%
11	5,000	24	1.9%	77.1%	14	50.0%	251.10	5.02	326.64	30.1%	6.53	252.37	0.5%	311.75	23.5%	343.90	10.3%
12	5,500	22	1.7%	78.8%	15	50.0%	275.01	5.00	355.17	29.1%	6.46	276.40	0.5%	341.42	23.5%	376.29	10.2%
13	6,000	18	1.4%	80.2%	16	50.0%	298.92	4.98	383.70	28.4%	6.39	300.44	0.5%	371.10	23.5%	408.68	10.1%
14	6,500	16	1.3%	81.5%	18	50.0%	322.82	4.97	412.23	27.7%	6.34	324.48	0.5%	400.77	23.5%	441.07	10.1%
15	7,000	15	1.2%	82.7%	19	50.0%	346.73	4.95	440.76	27.1%	6.30	348.51	0.5%	430.44	23.5%	473.46	10.0%
16	7,500	13	1.0%	83.7%	21	50.0%	370.64	4.94	469.29	26.6%	6.26	372.55	0.5%	460.12	23.5%	505.85	9.9%
17	8,000	12	0.9%	84.6%	22	50.0%	394.55	4.93	497.82	26.2%	6.22	396.59	0.5%	489.79	23.5%	538.24	9.9%
18	8,500	12	0.9%	85.6%	23	50.0%	418.46	4.92	526.35	25.8%	6.19	420.62	0.5%	519.47	23.5%	570.63	9.8%
19	9,000	12	0.9%	86.5%	25	50.0%	442.37	4.92	554.88	25.4%	6.17	444.66	0.5%	549.14	23.5%	603.02	9.8%
20	9,500	9	0.7%	87.2%	26	50.0%	466.28	4.91	583.41	25.1%	6.14	468.70	0.5%	578.82	23.5%	635.41	9.8%
21	10,000	8	0.7%	87.8%	27	50.0%	490.19	4.90	611.93	24.8%	6.12	492.73	0.5%	608.49	23.5%	667.80	9.7%
22	25,000	99	7.8%	95.7%	68	50.0%	1,207.48	4.83	1,467.82	21.6%	5.87	1,213.83	0.5%	1,498.73	23.5%	1,639.49	9.4%
23	40,000	19	1.5%	97.2%	110	50.0%	1,924.77	4.81	2,323.71	20.7%	5.81	1,934.93	0.5%	2,388.97	23.5%	2,611.18	9.3%
24	55,000	9	0.7%	97.9%	151	50.0%	2,642.05	4.80	3,179.59	20.3%	5.78	2,656.03	0.5%	3,279.21	23.5%	3,582.87	9.3%
25	70,000	5	0.4%	98.3%	192	50.0%	3,359.34	4.80	4,035.48	20.1%	5.76	3,377.12	0.5%	4,169.45	23.5%	4,554.57	9.2%
26	85,000	4	0.3%	98.6%	233	50.0%	4,076.63	4.80	4,891.37	20.0%	5.75	4,098.22	0.5%	5,059.69	23.5%	5,526.26	9.2%
27	100,000	3	0.2%	98.9%	274	50.0%	4,793.92	4.79	5,747.25	19.9%	5.75	4,819.32	0.5%	5,949.92	23.5%	6,497.95	9.2%
28	115,000	1	0.1%	99.0%	315	50.0%	5,511.21	4.79	6,603.14	19.8%	5.74	5,540.42	0.5%	6,840.16	23.5%	7,469.65	9.2%
29	130,000	1	0.1%	99.1%	356	50.0%	6,228.49	4.79	7,459.03	19.8%	5.74	6,261.52	0.5%	7,730.40	23.5%	8,441.34	9.2%
30	145,000	2	0.2%	99.2%	397	50.0%	6,945.78	4.79	8,314.91	19.7%	5.73	6,982.61	0.5%	8,620.64	23.5%	9,413.03	9.2%
31	160,000	1	0.0%	99.3%	438	50.0%	7,663.07	4.79	9,170.80	19.7%	5.73	7,703.71	0.5%	9,510.88	23.5%	10,384.72	9.2%
32	175,000	1	0.1%	99.4%	479	50.0%	8,380.36	4.79	10,026.69	19.6%	5.73	8,424.81	0.5%	10,401.12	23.5%	11,356.42	9.2%
33	190,000	0	0.0%	99.4%	521	50.0%	9,097.64	4.79	10,882.57	19.6%	5.73	9,145.91	0.5%	11,291.36	23.5%	12,328.11	9.2%
34	205,000	1	0.1%	99.5%	562	50.0%	9,814.93	4.79	11,738.46	19.6%	5.73	9,867.01	0.5%	12,181.60	23.5%	13,299.80	9.2%
35	220,000	1	0.1%	99.5%	603	50.0%	10,532.22	4.79	12,594.34	19.6%	5.72	10,588.10	0.5%	13,071.83	23.5%	14,271.50	9.2%
36	235,000	0	0.0%	99.6%	644	50.0%	11,249.51	4.79	13,450.23	19.6%	5.72	11,309.20	0.5%	13,962.07	23.5%	15,243.19	9.2%
37	>250,000	6	0.4%	100.0%	685	50.0%	11,966.79	5.09	14,306.12	19.5%	6.09	12,030.30	0.5%	14,852.31	23.5%	16,214.88	9.2%
				1,270													

Note: Based on 2012 billing data.

**Okanogan County PUD
2013 Bill Frequency Analysis**

Rate Adjustment Impact Assessment - Rate Design Option 1

District Customer Class Estimated Monthly Bills

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R)

Schedule No. 7 - Frost Control

Line No.	Annual kWh	No. of Customers	% of Total	Cum. % of Total	Avg HP	kW per Month	Bill at Current Rates	Cents per kWh	Bill at Cost of Service	Percent Change	Cents per kWh	Bill at TY 2013 Proposed	Percent Change	Bill at TY 2014 Proposed	Percent Change	Bill at TY 2015 Proposed	Percent Change
1	0	14	9.8%	9.8%	24.0	0.0	\$108.00		\$42.00	-61.1%		\$108.00	0.0%	\$120.00	11.1%	\$135.00	12.5%
2	100	3	2.1%	11.9%	71.7	28.3	325.61	325.61	362.78	11.4%	0.11	325.64	0.0%	250.76	-23.0%	280.27	11.8%
3	200	7	4.9%	16.8%	48.9	13.9	226.41	113.20	200.10	-11.6%	-0.06	226.46	0.0%	189.11	-16.5%	211.76	12.0%
4	300	2	1.4%	18.2%	150.0	52.3	684.34	228.11	635.50	-7.1%	-0.02	684.42	0.0%	365.48	-46.6%	407.72	11.6%
5	400	7	4.9%	23.1%	57.1	50.4	269.60	67.40	614.67	128.0%	0.32	269.70	0.0%	360.28	33.6%	401.93	11.6%
6	500	5	3.5%	26.6%	86.0	71.4	402.57	80.51	852.43	111.7%	0.22	402.70	0.0%	458.00	13.7%	510.50	11.5%
7	750	5	3.5%	30.1%	55.0	43.6	270.86	36.11	540.69	99.6%	0.13	271.05	0.1%	341.67	26.1%	381.21	11.6%
8	1,000	3	2.1%	32.2%	83.3	71.3	406.14	40.61	855.18	110.6%	0.11	406.39	0.1%	474.56	16.8%	528.84	11.4%
9	1,500	22	15.4%	47.6%	84.1	72.4	425.12	28.34	871.19	104.9%	0.07	425.50	0.1%	496.39	16.7%	553.05	11.4%
10	2,000	14	9.8%	57.3%	85.7	72.1	447.99	22.40	871.41	94.5%	0.05	448.50	0.1%	511.95	14.1%	570.28	11.4%
11	2,500	13	9.1%	66.4%	103.9	87.4	545.50	21.82	1,047.92	92.1%	0.04	546.14	0.1%	597.67	9.4%	665.47	11.3%
12	3,000	8	5.6%	72.0%	85.6	67.9	478.73	15.96	830.44	73.5%	0.02	479.49	0.2%	526.58	9.8%	586.43	11.4%
13	3,500	8	5.6%	77.6%	96.9	83.8	544.93	15.57	1,014.32	86.1%	0.02	545.82	0.2%	615.23	12.7%	684.87	11.3%
14	4,000	4	2.8%	80.4%	218.8	174.8	1,108.94	27.72	2,046.51	84.5%	0.02	1,109.95	0.1%	1,041.48	-6.2%	1,158.43	11.2%
15	4,500	4	2.8%	83.2%	83.8	78.9	517.01	11.49	966.27	86.9%	0.02	518.15	0.2%	627.04	21.0%	697.88	11.3%
16	5,000	2	1.4%	84.6%	76.0	41.7	497.70	9.95	548.43	10.2%	0.00	498.97	0.3%	476.22	-4.6%	530.25	11.3%
17	5,500	4	2.8%	87.4%	100.0	83.7	621.27	11.30	1,027.39	65.4%	0.01	622.67	0.2%	682.30	9.6%	759.17	11.3%
18	6,000	4	2.8%	90.2%	106.3	69.0	664.97	11.08	864.77	30.0%	0.01	666.49	0.2%	633.05	-5.0%	704.40	11.3%
19	6,500	1	0.7%	90.9%	100.0	86.5	652.41	10.04	1,066.52	63.5%	0.01	654.06	0.3%	728.81	11.4%	810.74	11.2%
20	7,000	1	0.7%	91.6%	200.0	176.0	1,117.98	15.97	2,081.61	86.2%	0.01	1,119.76	0.2%	1,148.25	2.5%	1,276.74	11.2%
21	7,500	3	2.1%	93.7%	166.7	151.8	983.55	13.11	1,810.98	84.1%	0.01	985.46	0.2%	1,056.02	7.2%	1,174.20	11.2%
22	8,000	2	1.4%	95.1%	200.0	147.0	1,149.12	14.36	1,760.77	53.2%	0.01	1,151.15	0.2%	1,051.50	-8.7%	1,169.13	11.2%
23	9,000	2	1.4%	96.5%	150.0	133.8	955.26	10.61	1,618.59	69.4%	0.01	957.55	0.2%	1,025.85	7.1%	1,140.52	11.2%
24	9,500	1	0.7%	97.2%	30.0	24.3	430.83	4.54	383.51	-11.0%	0.00	433.24	0.6%	549.80	26.9%	611.51	11.2%
25	>10,001	4	2.8%	100.0%	200.0	172.1	1,211.43	12.11	2,058.51	69.9%	0.01	1,213.97	0.2%	1,231.90	1.5%	1,369.35	11.2%

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Note: Customers served under this rate schedule are billed once annually in June. This analysis shows the estimated annual bill.

Okanogan County PUD
2013 Electric Rate Study
Revenue Adequacy Analysis
Rate Design Option 1

Line	TY 2013 Rates					TY 2014 Rates					TY 2015 Rates						
	2013 Billing		Existing Rates		Rate Increase	2014 Billing		2013 Rates		Rate Increase	2015 Billing		2014 Rates		Rate Increase		
	Determinants	Rates	Revenue	Rates	Revenue	Determinants	Rates	Revenue	Rates	Revenue	Determinants	Rates	Revenue	Rates	Revenue		
Schedule No. 2 - Residential																	
1	Basic Charge	\$ per month	205,276	\$10.00	\$2,052,764	\$35.00	\$7,184,675	207,329	\$35.00	\$7,256,522	\$40.00	\$8,293,168	209,402	\$40.00	\$8,376,100	\$45.00	\$9,423,112
2	Minimum Energy Charge	\$ per month	205,276	25.00	5,131,911	0.00	0	207,329	0.00	0	0.00	0	209,402	0.00	0	0.00	0
3	Energy charge																
4	0-250 kWh	\$ per kWh	47,219,867	0.00000	0	0.04350	2,054,064	47,827,921	0.04350	2,080,515	0.04657	2,227,346	48,442,056	0.04657	2,255,947	0.05023	2,433,244
5	251-500 kWh	\$ per kWh	42,611,657	0.00000	0	0.04350	1,853,607	43,160,370	0.04350	1,877,476	0.04657	2,009,978	43,714,571	0.04657	2,035,788	0.05023	2,195,783
6	501-2,000 kWh	\$ per kWh	147,996,182	0.05750	8,509,780	0.04350	6,437,834	149,901,941	0.04350	6,520,734	0.04657	6,980,933	151,826,758	0.04657	7,070,572	0.05023	7,626,258
7	> 2,000 kWh	\$ per kWh	57,264,456	0.06316	3,616,823	0.06316	3,616,823	58,001,855	0.06316	3,663,397	0.06762	3,922,085	58,746,628	0.06762	3,972,447	0.07293	4,284,392
8	Subtotal		295,092,161		\$19,311,279		\$21,147,004	298,892,087		\$21,398,644		\$23,433,512	302,730,013		\$23,710,853		\$25,962,789
9	COPA		295,092,161	0.00265	783,181	0.00265	783,181	298,892,087	0.00501	1,497,552	0.00501	1,497,552	302,730,013	0.00579	1,753,079	0.00579	1,753,079
10	Total revenue				\$20,094,460		\$21,930,185			\$22,896,197		\$24,931,064			\$25,463,932		\$27,715,868
11	Revenue adjustment factor				0.0%		0.0%			0.0%		0.0%			0.0%		0.0%
12	Total revenue				\$20,094,460		\$21,930,185			\$22,896,197		\$24,931,064			\$25,463,932		\$27,715,868
13																	
14	Energy in Minimum Charge (kWh)			500		0			0		0			0		0	
15																	
16	Revenue requirement	9.5%			\$21,929,031		\$21,929,031	9.5%		\$24,927,805		\$24,927,805	9.5%		\$27,712,895		\$27,712,895
17	Over (under) revenue requirement				(\$1,834,571)		\$1,153			(\$2,031,608)		\$3,259			(\$2,248,963)		\$2,974
18	Percent over (under) revenue requirement				-8.4%		0.0%			-8.1%		0.0%			-8.1%		0.0%
19	Change in revenue						\$1,835,725					\$2,034,867					\$2,251,936
20	Percent Base rate change				0.0%		9.5%			0.0%		9.5%			0.0%		9.5%
21	Increase (decrease) required				9.1%												
22																	
23																	
24	Partial Year Rate Increase																
25	Revenue requirement				\$19,311,279		\$20,841,049										
26	Percent Base rate change						7.9%										
27																	
Schedule No. 3 - Small General Service																	
29	Basic Charge	\$ per month	25,463	\$12.00	\$305,557	\$40.00	\$1,018,522	25,718	\$40.00	\$1,028,708	\$45.00	\$1,157,297	25,975	\$45.00	\$1,168,870	\$50.00	\$1,298,744
30	Minimum Energy Charge	\$ per month	25,463	25.00	636,576	0.00	0	25,718	0.00	0	0.00	0	25,975	0.00	0	0.00	0
31	Energy Charge - All Usage																
32	0-250 kWh	\$ per kWh	5,196,007	0.00000	0	0.05308	275,804	5,300,894	0.05308	281,371	0.05757	305,172	5,353,903	0.05757	308,224	0.06272	335,797
33	251-500 kWh	\$ per kWh	4,381,074	0.00000	0	0.05308	232,547	4,469,510	0.05308	237,242	0.05757	257,310	4,514,206	0.05757	259,883	0.06272	283,131
34	> 500 kWh	\$ per kWh	44,905,825	0.05855	2,629,236	0.05308	2,383,601	45,812,299	0.05308	2,431,717	0.05757	2,637,414	46,270,422	0.05757	2,663,788	0.06272	2,902,081
35	Subtotal		54,482,905					55,582,703					56,138,530				
36	Demand Charge > 50 kW	\$ per kW-mo	6,761	5.00	33,804	5.50	37,184	6,761	5.50	37,184	6.00	40,564	6,761	6.00	40,564	6.50	43,945
37	Subtotal				\$3,605,173		\$3,947,659			\$4,016,222		\$4,397,758			\$4,441,330		\$4,863,698
38	COPA		54,482,905	0.00265	144,599	0.00265	144,599	55,582,703	0.00501	278,488	0.00501	278,488	56,138,530	0.00579	325,093	0.00579	325,093
39	Total revenue				\$3,749,772		\$4,092,258			\$4,294,711		\$4,676,246			\$4,766,422		\$5,188,790
40	Revenue adjustment factor				0.0%		0.0%			0.0%		0.0%			0.0%		0.0%
41	Total revenue				\$3,749,772		\$4,092,258			\$4,294,711		\$4,676,246			\$4,766,422		\$5,188,790
42																	
43	Energy in Minimum Charge (kWh)			500		0			0		0			0		0	
44																	
45	Revenue requirement	9.5%			\$4,092,263		\$4,092,263	9.5%		\$4,676,258		\$4,676,258	9.5%		\$5,188,361		\$5,188,361
46	Over (under) revenue requirement				(\$342,491)		(\$5)			(\$381,547)		(\$12)			(\$421,939)		\$429
47	Percent over (under) revenue requirement				-8.4%		0.0%			-8.2%		0.0%			-8.1%		0.0%
48	Change in revenue						\$342,486					\$381,535					\$422,368
49	Percent Base rate change				0.0%		9.5%			0.0%		9.5%			0.0%		9.5%
50	Increase (decrease) required				9.1%												
51																	
52	Partial Year Rate Increase																
53	Revenue requirement				\$3,605,173		\$3,890,578										
54	Percent Base rate change						7.9%										
55																	

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Line	TY 2013 Rates				TY 2014 Rates				TY 2015 Rates									
	2013 Billing		Existing Rates		Rate Increase		2014 Billing		2013 Rates		Rate Increase		2015 Billing		2014 Rates		Rate Increase	
	Determinants	Rates	Revenue	Rates	Revenue	Determinants	Rates	Revenue	Rates	Revenue	Determinants	Rates	Revenue	Rates	Revenue	Rates	Revenue	
56	Schedule No. 3 - General Service (Large Power)																	
57	Basic Charge	\$ per month	3,346	\$12.00	\$40,154	\$20.00	\$66,924	3,380	\$20.00	\$67,592	\$30.00	\$101,389	3,413	\$30.00	\$102,403	\$40.00	\$136,537	
58	Energy Charge	\$ per kWh	151,771,659	0.04150	6,298,524	0.04521	6,861,597	152,734,406	0.04521	6,905,122	0.04940	7,545,080	154,261,750	0.04940	7,620,530	0.05416	8,354,816	
59	Demand Charge All kW	\$ per kW-mo	435,749	5.00	2,178,744	5.50	2,396,618	440,106	5.50	2,420,584	6.00	2,640,638	444,507	6.00	2,667,044	6.50	2,889,298	
60	Minimum Demand Charge	\$ per Month	954	250.00	238,500	275.00	262,350	954	275.00	262,350	300.00	286,200	954	300.00	286,200	325.00	310,050	
61	Subtotal			\$8,755,922		\$9,587,489		\$9,655,649		\$10,573,306		\$10,676,177		\$10,676,177		\$11,690,701		
62	COPA		151,771,659	0.00265	402,805	0.00265	402,805	152,734,406	0.00501	765,252	0.00501	765,252	154,261,750	0.00579	893,314	0.00579	893,314	
63	Total revenue			\$9,158,727		\$9,990,294		\$10,420,901		\$11,338,558		\$11,338,558		\$11,569,491		\$12,584,015		
64	Revenue adjustment factor			0.0%		0.0%	0.0%		0.0%		0.0%	0.0%		0.0%		0.0%		
65	Total revenue			\$9,158,727		\$9,990,294		\$10,420,901		\$11,338,558		\$11,338,558		\$11,569,491		\$12,584,015		
66																		
67	Revenue requirement		9.5%	\$9,990,540		\$9,990,540		\$11,338,457		\$11,338,457		\$11,338,457		\$12,583,618		\$12,583,618		
68	Over (under) revenue requirement			(\$831,813)		(\$246)		(\$917,556)		\$101		(\$1,014,127)		\$397		\$397		
69	Percent over (under) revenue requirement			-8.3%		0.0%		-8.1%		0.0%		-8.1%		0.0%		0.0%		
70	Change in revenue					\$831,567		\$917,657		\$917,657		\$1,014,524		\$1,014,524		\$1,014,524		
71	Percent Base rate change			0.0%		9.5%		0.0%		9.5%		0.0%		9.5%		9.5%		
72	Increase (decrease) required			9.1%														
73																		
74	Partial Year Rate Increase																	
75	Revenue requirement			\$8,755,922		\$9,448,894												
76	Percent Base rate change					7.9%												
77																		
78	Schedule No. 4 - Primary Industrial Service																	
79	Basic Charge	\$ per month	36	\$75.00	\$2,700	\$80.00	2,880	36	\$80.00	\$2,880	\$90.00	3,240	36	\$90.00	\$3,240	\$100.00	\$3,600	
80	Energy Charge	\$ per kWh	18,409,470	0.03631	668,448	0.03631	668,448	18,409,470	0.03631	668,448	0.03846	708,028	18,409,470	0.03846	708,028	0.04124	759,207	
81	Demand Charge	\$ per kW	54,501	5.50	299,758	7.00	381,510	54,501	7.00	381,510	8.00	436,011	54,501	8.00	436,011	9.00	490,513	
82	Minimum Demand Charge	\$ per month	12	5,500	66,000	7,000	84,000	12	7,000	84,000	8,000	96,000	12	8,000	96,000	9,000	108,000	
83	Subtotal			\$1,036,906		\$1,136,838		\$1,136,838		\$1,243,280		\$1,243,280		\$1,243,280		\$1,361,319		
84	COPA		18,409,470	0.00265	48,859	0.00265	48,859	18,409,470	0.00501	92,238	0.00501	92,238	18,409,470	0.00579	106,607	0.00579	106,607	
85	CIPV Credit			0		0			0		0			0		0		
86	Total with CIPV Credit			\$1,085,765		\$1,185,697		\$1,229,076		\$1,335,517		\$1,335,517		\$1,349,887		\$1,467,927		
87	Revenue adjustment factor			0.0%		0.0%	0.0%		0.0%		0.0%	0.0%		0.0%		0.0%		
88	Total revenue			\$1,085,765		\$1,185,697		\$1,229,076		\$1,335,517		\$1,335,517		\$1,349,887		\$1,467,927		
89																		
90	Revenue requirement		9.5%	\$1,184,271		\$1,184,271		\$1,335,514		\$1,335,514		\$1,335,514		\$1,467,994		\$1,467,994		
91	Over (under) revenue requirement			(\$98,506)		\$1,426		(\$106,438)		\$4		(\$118,107)		(\$68)		(\$68)		
92	Percent over (under) revenue requirement			-8.3%		0.1%		-8.0%		0.0%		-8.0%		0.0%		0.0%		
93	Change in revenue					\$99,932		\$106,442		\$106,442		\$118,040		\$118,040		\$118,040		
94	Percent Base rate change			0.0%		9.6%		0.0%		9.4%		0.0%		9.5%		9.5%		
95	Increase (decrease) required			9.1%														
96																		
97	Partial Year Rate Increase																	
98	Revenue requirement			\$1,036,906		\$1,120,182												
99	Percent Base rate change					8.0%												
100																		

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Line	TY 2013 Rates					TY 2014 Rates					TY 2015 Rates							
	2013 Billing		Existing Rates		Rate Increase		2014 Billing		2013 Rates		Rate Increase		2015 Billing		2014 Rates		Rate Increase	
	Determinants	Rates	Revenue	Rates	Revenue	Determinants	Rates	Revenue	Rates	Revenue	Determinants	Rates	Revenue	Rates	Revenue	Rates	Revenue	
101	Schedule No. 6 - Irrigation																	
102																		
103	Basic Charge	\$ per month	8,400	\$12.00	\$100,800	\$12.00	\$100,800	8,400	\$12.00	\$100,800	\$15.00	\$126,000	8,400	\$15.00	\$126,000	\$20.00	\$168,000	
104	Demand Charge	\$ per kW	185,276	3.00	555,828	3.00	555,828	185,276	3.00	555,828	4.00	741,104	185,276	4.00	741,104	5.00	926,380	
105	Seasonal Energy Charge	\$ per kWh	63,774,744	0.03720	2,372,420	0.03720	2,372,420	63,774,744	0.03720	2,372,420	0.04338	2,766,548	63,774,744	0.04338	2,766,548	0.04529	2,888,358	
106	Inter-Seasonal Energy Charge	\$ per kWh	998,397	0.05855	58,456	0.05855	58,456	998,397	0.05855	58,456	0.06828	68,167	998,397	0.06828	68,167	0.07128	71,169	
107	Subtotal			\$3,087,505	\$3,087,505	\$3,087,505	\$3,087,505		\$3,087,505	\$3,701,820	\$3,701,820		\$3,701,820	\$4,053,907	\$4,053,907		\$4,053,907	
108	COPA		64,773,141	0.00265	171,909	0.00265	171,909	64,773,141	0.00501	324,536	0.00501	324,536	64,773,141	0.00579	375,095	0.00579	375,095	
109	Total revenue			\$3,259,414	\$3,259,414	\$3,259,414	\$3,259,414		\$3,412,040	\$4,026,356	\$4,026,356		\$4,076,915	\$4,429,002	\$4,429,002		\$4,429,002	
110	Revenue adjustment factor			0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%		0.0%	0.0%	0.0%		0.0%	
111	Total revenue			\$3,259,414	\$3,259,414	\$3,259,414	\$3,259,414		\$3,412,040	\$4,026,356	\$4,026,356		\$4,076,915	\$4,429,002	\$4,429,002		\$4,429,002	
112																		
113	Revenue requirement		9.5%	\$3,552,727	\$3,552,727	\$3,552,727	\$3,552,727	9.5%	\$4,026,531	\$4,026,531	\$4,026,531	9.5%	\$4,428,780	\$4,428,780	\$4,428,780		\$4,428,780	
114	Over (under) revenue requirement			(\$293,313)	(\$293,313)	(\$293,313)	(\$293,313)		(\$614,491)	(\$175)	(\$175)		(\$351,865)	\$222	\$222		\$222	
115	Percent over (under) revenue requirement			-8.3%	-8.3%	-8.3%	-8.3%		-15.3%	0.0%	0.0%		-7.9%	0.0%	0.0%		0.0%	
116	Change in revenue			\$0	\$0	\$0	\$0		\$614,315	\$614,315	\$614,315		\$352,087	\$352,087	\$352,087		\$352,087	
117	Percent Base rate change			0.0%	0.0%	0.0%	0.0%		0.0%	19.9%	19.9%		0.0%	9.5%	9.5%		9.5%	
118	Increase (decrease) required			9.0%	9.0%	9.0%	9.0%						0.0%				9.5%	
119																		
120	Partial Year Rate Increase																	
121	Revenue requirement			\$3,087,505	\$3,087,505	\$3,087,505	\$3,087,505											
122	Percent Base rate change			0.0%	0.0%	0.0%	0.0%											
123																		
124	Schedule No. 7 - Frost Control																	
125	Facilities Charge	\$ per HP-season	12,269	\$4.50	\$55,212	\$4.50	\$55,212	12,331	\$4.50	\$55,488	\$0.00	\$0	12,392	\$0.00	\$0	\$0.00	\$0	
126	Basic Charge	\$ per month	143	0.00	0	0.00	0	143	0.00	\$0	120.00	17,160	143	120.00	17,160	135.00	19,305	
127	Demand Charge	\$ per kW	10,081	0.00	0	0.00	0	10,131	0.00	\$0	4.50	45,592	10,182	4.50	45,820	5.00	50,911	
128	Energy Charge	\$ per kWh	358,197	0.02874	10,295	0.02874	10,295	358,197	0.02874	10,295	0.02874	10,295	358,197	0.02874	10,295	0.03160	11,319	
129	Subtotal			\$65,507	\$65,507	\$65,507	\$65,507		\$65,783	\$73,046	\$73,046		\$73,274	\$81,535	\$81,535		\$81,535	
130	COPA		358,197	0.00265	951	0.00265	951	358,197	0.00501	1,795	0.00501	1,795	358,197	0.00579	2,074	0.00579	2,074	
131	Total revenue			\$66,458	\$66,458	\$66,458	\$66,458		\$67,578	\$74,841	\$74,841		\$75,349	\$83,609	\$83,609		\$83,609	
132	Revenue adjustment factor			0.0%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%		0.0%	0.0%	0.0%		0.0%	
133	Total revenue			\$66,458	\$66,458	\$66,458	\$66,458		\$67,578	\$74,841	\$74,841		\$75,349	\$83,609	\$83,609		\$83,609	
134																		
135	Revenue requirement		9.5%	\$72,681	\$72,681	\$72,681	\$72,681	9.5%	\$80,641	\$80,641	\$80,641	9.5%	\$88,661	\$88,661	\$88,661		\$88,661	
136	Over (under) revenue requirement			(\$6,223)	(\$6,223)	(\$6,223)	(\$6,223)		(\$13,064)	(\$5,800)	(\$5,800)		(\$13,313)	(\$5,052)	(\$5,052)		(\$5,052)	
137	Percent over (under) revenue requirement			-8.6%	-8.6%	-8.6%	-8.6%		-16.2%	-7.2%	-7.2%		-15.0%	-5.7%	-5.7%		-5.7%	
138	Change in revenue			\$0	\$0	\$0	\$0		\$7,263	\$7,263	\$7,263		\$8,261	\$8,261	\$8,261		\$8,261	
139	Percent Base rate change			0.0%	0.0%	0.0%	0.0%		0.0%	11.0%	11.0%		0.0%	11.3%	11.3%		11.3%	
140	Increase (decrease) required			9.4%	9.4%	9.4%	9.4%						0.0%				11.3%	
141																		
142	Partial Year Rate Increase																	
143	Revenue requirement			\$65,507	\$65,507	\$65,507	\$65,507											
144	Percent Base rate change			0.0%	0.0%	0.0%	0.0%											
145																		

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Line	TY 2013 Rates						TY 2014 Rates				TY 2015 Rates					
	2013 Billing		Existing Rates		Rate Increase		2013 Rates		Rate Increase		2015 Billing		2014 Rates		Rate Increase	
	Determinants	Rates	Revenue	Rates	Revenue	Determinants	Rates	Revenue	Rates	Revenue	Determinants	Rates	Revenue	Rates	Revenue	
146	Schedule No. 8 - Street Lighting															
147	Fixture Charge															
148	8000 Lumen	8,364	\$6.40	\$53,530	\$7.00	\$58,548	8,364	\$7.00	\$58,548	\$7.70	\$64,403	8,364	\$7.70	\$64,403	\$8.40	\$70,258
149	22000 Lumen	7,776	9.80	76,205	10.70	83,203	7,776	10.70	83,203	11.80	91,757	7,776	11.80	91,757	12.90	100,310
150	Total revenue			\$129,734		\$141,751		\$141,751		\$156,160		\$156,160		\$170,568		\$170,568
151	Revenue adjustment factor			4.4%		4.4%		4.4%		4.4%		4.4%		4.4%		4.4%
152	Total revenue			\$135,393		\$147,934		\$147,934		\$162,970		\$162,970		\$178,007		\$178,007
153																
154	Revenue requirement		9.5%	\$148,255		\$148,255	9.5%	\$162,339		\$162,339	9.5%	\$177,761		\$177,761		\$177,761
155	Over (under) revenue requirement			(\$12,862)		(\$321)		(\$14,406)		\$631		(\$14,791)		\$246		\$246
156	Percent over (under) revenue requirement			-8.7%		-0.2%		-8.9%		0.4%		-8.3%		0.1%		0.1%
157	Change in revenue					\$12,541				\$15,037				\$15,037		\$15,037
158	Percent Base rate change			0.0%		9.3%		0.0%		10.2%		0.0%		9.2%		9.2%
159	Increase (decrease) required			9.5%												
160																
161	Partial Year Rate Increase															
162	Revenue requirement			\$135,393		\$145,843										
163	Percent Base rate change					7.7%										
164																
165	Total															
166	Total revenues under applicable rates			\$37,549,988		\$40,672,238		\$42,468,436		\$46,545,552		\$47,464,966		\$51,647,218		\$51,647,218
167	Total revenue requirement		9.5%	40,969,767		40,969,767	9.5%	46,547,545		46,547,545	9.5%	51,648,070		51,648,070		51,648,070
168	Over (under) revenue requirement			(3,419,780)		(297,529)		(4,079,109)		(1,993)		(4,183,104)		(852)		(852)
169	Percent over (under) revenue requirement			-8.3%		-0.7%		-8.8%		0.0%		-8.1%		0.0%		0.0%
170	Change in revenue															
171	Percent overall rate change			0.00%		8.3%		4.42%		9.60%		1.98%		8.81%		8.81%
172																
173	Partial Year Rate Increase															
174	Base rate revenue requirement			\$35,997,683		\$38,599,559										
175	Percent Base rate change					7.2%										

Appendix I
2013 ELECTRIC SYSTEM RATE STUDY
RATE DESIGN OPTION 2

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 2

Schedule No. 2 - Residential	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$10.00	\$28.07	\$35.00	\$35.00	\$40.00
Energy Charge (\$/kWh)					
< 2,000 kWh	\$0.05750	\$0.05993	\$0.05750	\$0.05750	\$0.05750
> 2,000 kWh	\$0.06316	\$0.05993	\$0.06316	\$0.06316	\$0.06316
Minimum Charge (\$/month)	n/a	\$79.80	n/a	n/a	n/a
Minimum Energy Charge (\$/month)	\$25.00	n/a	n/a	n/a	n/a
kWh in Basic Charge	500		250	0	n/a
Percent Change in Base Rate Revenue		17.4%	12.7%	12.5%	4.2%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Set the basic charge to \$35 per month in 2013 and is increased to \$40 per month by 2015.
Energy charge applied after the first 250 kilowatt-hours in 2013 and to all kilowatt-hours in 2014 and beyond.
No changes in the energy charge.

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 2

Schedule No. 3 - Small General Service	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (2)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$12.00	\$32.73	\$40.00	\$45.00	\$50.00
Energy Charge (\$/kWh)	\$0.05855	\$0.05684	\$0.05855	\$0.05855	\$0.06272
Demand Charge (\$/kW/month equals or exceed 50 kW)	\$5.00	n/a	\$5.50	\$6.00	\$6.50
Minimum Charge (\$/month)	n/a	\$102.10	n/a	n/a	n/a
Minimum Energy Charge (\$/month)	\$25.00	n/a	n/a	n/a	n/a
kWh in Minimum Energy Charge	500	n/a	250	0	n/a
Percent Change in Base Rate Revenue		5.0%	9.3%	11.0%	8.2%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Set the basic charge to \$40 per month in 2013 and increases to \$50 per month by 2015.
Energy charge applied after the first 250 kilowatt-hours in 2013 and to all kilowatt-hours in 2014 and beyond.
Adjusted the energy charge as necessary to collect sufficient revenues. Demand charge increases \$0.50 per kilowatt each year until 2015.

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 2

Schedule No. 3 - Large General Service	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (3)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$12.00	\$41.62	\$20.00	\$30.00	\$40.00
Energy Charge (\$/kWh)	\$0.04150	\$0.02542	\$0.04521	\$0.04940	\$0.05416
Demand Charge (\$/kW/month above 50 kW)	\$5.00	n/a	\$5.50	\$6.00	\$6.50
Demand Charge (\$/all kW/month)	n/a	\$9.83	n/a	n/a	n/a
Minimum Charge (\$/month)	n/a	\$1,407	n/a	n/a	n/a
Minimum Demand Charge (\$/month)	\$250.00	n/a	\$275.00	\$300.00	\$325.00
kW in Minimum Demand Charge	50	n/a	50	50	50
Power Factor Charge (2)	97.0%		97.0%	97.0%	97.0%
Percent Change in Base Rate Revenue		-6.8%	9.5%	9.5%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) For every percentage a customer's power factor is below 97 percent, the demand charge will increase 1.0 percent.
- (3) Set the Basic Charge to \$20 per month in 2013 and increased to \$40 per month by 2015.
Adjusted the Energy Charge as necessary to collect sufficient revenues.
Demand Charge increases \$0.50 per kilowatt each year until 2015.

Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates

Rate Design Option 2

Schedule No. 4 - Primary Industrial Service	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (3)		
			September 2013	July 2014	July 2015
<u>Base Rates</u>					
Basic Charge (\$/month)	\$75.00	\$41.86	\$80.00	\$90.00	\$100.00
Energy Charge (\$/kWh)	\$0.03631	\$0.02612	\$0.03631	\$0.03846	\$0.04124
Demand Charge (\$/billed kW/month)	\$5.50	\$5.84	\$7.00	\$8.00	\$9.00
Minimum Charge (\$/month)	n/a	\$9,911	n/a	n/a	n/a
Minimum Demand Charge (\$/month)	\$5,500	n/a	\$7,000	\$8,000	\$9,000
kW in Minimum Demand Charge	1,000	n/a	1,000	1,000	1,000
Power Factor Charge (2)	97.0%		97.0%	97.0%	97.0%
Percent Change in Base Rate Revenue		-23.9%	9.6%	9.4%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) For every percentage a customer's power factor is below 97 percent, the demand charge will increase 1.0 percent.
- (3) Set the Basic Charge to \$80 per month in 2013 and increased to \$100 per month by 2015.
Adjusted the Energy Charge as necessary to collect sufficient revenues.
Demand Charge increases \$1.50 per kilowatt in 2013 and \$1.00 per kilowatt each year until 2015.

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 2

Schedule No. 6 - Irrigation	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (3)		
			April 2013	April 2014	April 2015
<u>Base Rates (2)</u>					
Basic Charge (\$/month)	\$12.00	\$41.34	\$12.00	\$15.00	\$20.00
Demand Charge (\$/billed kW/month)	\$3.00	\$11.76	\$3.00	\$4.00	\$5.00
Seasonal Energy Charge	\$0.03720	\$0.02485	\$0.03720	\$0.04338	\$0.04529
Inter-Seasonal Energy Charge	\$0.05855	\$0.02485	\$0.05855	\$0.06828	\$0.07128
Minimum Charge (\$/month)	n/a	\$312	n/a	n/a	n/a
Percent Change in Base Rate Revenue		31.5%	0.0%	19.9%	9.5%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Rate schedule is based on continuous service for the irrigation season of April 1 through October 31.
- (3) Set the Basic Charge to \$15 per month in 2014 and increased to \$25 per month by 2016.
Adjusted the Energy Charge as necessary to collect sufficient revenues.
The Inter-Seasonal Energy Charge is adjusted to maintain the same rate ratio between the Seasonal and Inter-Seasonal Energy Charges for 2014.
Demand Charge increases \$1.00 per kilowatt each year until 2016.

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 2

Schedule No. 7 - Frost Control	Existing Rates	TY 2013 Cost of Service (1)	Proposed Rates (3)		
			June 2013	June 2014	June 2015
<u>Base Rates (2)</u>					
Basic Charge (\$/year)	n/a	\$42.00	n/a	\$120.00	\$135.00
Demand Charge (\$/billed kW)	n/a	\$11.31	n/a	\$4.50	\$5.00
Annual Facilities Charge (\$/horsepower)	\$4.50	\$9.82	\$4.50	n/a	n/a
Energy Charge (\$/kWh)	\$0.02874	\$0.00707	\$0.02874	\$0.02874	\$0.03160
Minimum Charge (\$/month)	n/a	\$860	n/a	n/a	n/a
Percent Change in Base Rate Revenue		86.3%	0.0%	11.0%	11.3%
<u>Cost of Power Adjustment</u>	\$0.00240	n/a	\$0.00265	\$0.00501	\$0.00579

Notes

- (1) Cost of service rates include allocation of wholesale revenues.
- (2) Customers served under this customer class are billed annually in June.
- (3) Set the Basic Charge to \$120 per month in 2014 and increased to \$150 per month by 2015.
Adjusted the Energy Charge as necessary to collect sufficient revenues.
Demand Charge increases \$0.50 per kilowatt each year in 2015 and 2016.

**Okanogan County PUD
2013 Electric System Rate Study
Current, Cost-of-Service and Proposed Rates**

Rate Design Option 2

Schedule No. 8 - Street Lighting	Existing Rates	TY 2013 Cost of Service	Proposed Rates		
			September 2013	July 2014	July 2015
<u>Base Rates (2)</u>					
Fixture Charge (\$/Fixture)					
8,000 Lumen (175 MVP or 100W HPS)	\$6.40	\$9.05	\$7.00	\$7.70	\$8.40
22,000 Lumen (400W MVP or 200W HPS)	\$9.80	\$9.05	\$10.70	\$11.80	\$12.90
Percent Change in Base Rate Revenue		23.3%	9.3%	10.2%	9.2%

**Okanogan County PUD
2013 Bill Frequency Analysis**

Rate Adjustment Impact Assessment - Rate Design Option 2

District Customer Class Estimated Monthly Bills

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
Schedule No. 2 - Residential																
Line No.	kWh per month	No. of Customers	% of Total	Cum. % of Total		Bill at Current Rates	Cents per kWh	Bill at Cost of Service	Percent Change	Cents per kWh	Bill at TY 2013 Proposed	Percent Change	Bill at TY 2014 Proposed	Percent Change	Bill at TY 2015 Proposed	Percent Change
1	0	529	3.1%	3.1%		\$35.00		\$79.80	128.0%		\$35.00	0.0%	\$35.00	0.0%	\$40.00	14.3%
2	100	996	5.8%	9.0%		35.24	35.24	79.80	126.5%	79.80	35.27	0.1%	41.25	17.0%	46.33	12.3%
3	200	602	3.5%	12.5%		35.48	17.74	79.80	124.9%	39.90	35.53	0.1%	47.50	33.7%	52.66	10.9%
4	300	556	3.3%	15.8%		35.72	11.91	79.80	123.4%	26.60	38.67	8.3%	53.75	39.0%	58.99	9.7%
5	400	587	3.4%	19.2%		35.96	8.99	79.80	121.9%	19.95	44.69	24.3%	60.00	34.3%	65.32	8.9%
6	500	649	3.8%	23.0%		36.20	7.24	79.80	120.4%	15.96	50.70	40.1%	66.26	30.7%	71.65	8.1%
7	600	688	4.0%	27.1%		42.19	7.03	79.80	89.1%	13.30	56.72	34.4%	72.51	27.8%	77.97	7.5%
8	700	734	4.3%	31.4%		48.18	6.88	79.80	65.6%	11.40	62.73	30.2%	78.76	25.5%	84.30	7.0%
9	800	762	4.5%	35.8%		54.17	6.77	79.80	47.3%	9.98	68.75	26.9%	85.01	23.7%	90.63	6.6%
10	900	755	4.4%	40.3%		60.16	6.68	82.01	36.3%	9.11	74.76	24.3%	91.26	22.1%	96.96	6.2%
11	1,000	767	4.5%	44.8%		66.15	6.62	88.00	33.0%	8.80	80.78	22.1%	97.51	20.7%	103.29	5.9%
12	1,100	717	4.2%	49.0%		72.14	6.56	93.99	30.3%	8.54	86.79	20.3%	103.76	19.5%	109.62	5.6%
13	1,200	685	4.0%	53.0%		78.13	6.51	99.99	28.0%	8.33	92.81	18.8%	110.01	18.5%	115.95	5.4%
14	1,300	628	3.7%	56.7%		84.12	6.47	105.98	26.0%	8.15	98.83	17.5%	116.26	17.6%	122.28	5.2%
15	1,400	588	3.5%	60.2%	Avg.	90.11	6.44	111.97	24.3%	8.00	104.84	16.3%	122.51	16.9%	128.61	5.0%
16	1,500	543	3.2%	63.3%		96.10	6.41	117.97	22.8%	7.86	110.86	15.4%	128.77	16.2%	134.94	4.8%
17	1,600	509	3.0%	66.3%		102.09	6.38	123.96	21.4%	7.75	116.87	14.5%	135.02	15.5%	141.27	4.6%
18	1,700	456	2.7%	69.0%		108.08	6.36	129.95	20.2%	7.64	122.89	13.7%	141.27	15.0%	147.59	4.5%
19	1,800	429	2.5%	71.5%		114.07	6.34	135.95	19.2%	7.55	128.90	13.0%	147.52	14.4%	153.92	4.3%
20	1,900	381	2.2%	73.8%		120.06	6.32	141.94	18.2%	7.47	134.92	12.4%	153.77	14.0%	160.25	4.2%
21	2,000	368	2.2%	75.9%		126.05	6.30	147.93	17.4%	7.40	140.93	11.8%	160.02	13.5%	166.58	4.1%
22	2,250	784	4.6%	80.5%		142.44	6.33	162.92	14.4%	7.24	157.39	10.5%	177.06	12.5%	183.82	3.8%
23	2,500	639	3.8%	84.3%		158.83	6.35	177.90	12.0%	7.12	173.84	9.5%	194.11	11.7%	201.06	3.6%
24	2,750	521	3.1%	87.3%		175.22	6.37	192.88	10.1%	7.01	190.29	8.6%	211.15	11.0%	218.29	3.4%
25	3,000	441	2.6%	89.9%		191.61	6.39	207.87	8.5%	6.93	206.75	7.9%	228.19	10.4%	235.53	3.2%
26	3,250	354	2.1%	92.0%		208.00	6.40	222.85	7.1%	6.86	223.20	7.3%	245.23	9.9%	252.77	3.1%
27	3,500	280	1.6%	93.7%		224.39	6.41	237.83	6.0%	6.80	239.65	6.8%	262.28	9.4%	270.01	2.9%
28	3,750	220	1.3%	95.0%		240.78	6.42	252.82	5.0%	6.74	256.11	6.4%	279.32	9.1%	287.25	2.8%
29	4,000	178	1.0%	96.0%		257.17	6.43	267.80	4.1%	6.70	272.56	6.0%	296.36	8.7%	304.48	2.7%
30	4,250	139	0.8%	96.8%		273.56	6.44	282.78	3.4%	6.65	289.01	5.6%	313.40	8.4%	321.72	2.7%
31	4,500	110	0.6%	97.5%		289.95	6.44	297.77	2.7%	6.62	305.47	5.4%	330.45	8.2%	338.96	2.6%
32	4,750	85	0.5%	98.0%		306.34	6.45	312.75	2.1%	6.58	321.92	5.1%	347.49	7.9%	356.20	2.5%
33	5,000	76	0.4%	98.4%		322.73	6.45	327.74	1.6%	6.55	338.38	4.8%	364.53	7.7%	373.43	2.4%
34	5,250	54	0.3%	98.7%		339.12	6.46	342.72	1.1%	6.53	354.83	4.6%	381.57	7.5%	390.67	2.4%
35	5,500	42	0.2%	99.0%		355.51	6.46	357.70	0.6%	6.50	371.28	4.4%	398.62	7.4%	407.91	2.3%
36	5,750	33	0.2%	99.2%		371.90	6.47	372.69	0.2%	6.48	387.74	4.3%	415.66	7.2%	425.15	2.3%
37	6,000	27	0.2%	99.3%		388.29	6.47	387.67	-0.2%	6.46	404.19	4.1%	432.70	7.1%	442.39	2.2%
38	6,250	24	0.1%	99.5%		404.68	6.47	402.65	-0.5%	6.44	420.64	3.9%	449.74	6.9%	459.62	2.2%
39	6,500	16	0.1%	99.5%		421.07	6.48	417.64	-0.8%	6.43	437.10	3.8%	466.79	6.8%	476.86	2.2%
40	6,750	13	0.1%	99.6%		437.46	6.48	432.62	-1.1%	6.41	453.55	3.7%	483.83	6.7%	494.10	2.1%
41	7,000-8,000	41	0.2%	99.9%		519.41	6.49	507.54	-2.3%	6.34	535.82	3.2%	569.04	6.2%	580.29	2.0%
42	8,001-9,000	11	0.1%	99.9%		584.97	6.50	567.47	-3.0%	6.31	601.63	2.8%	637.21	5.9%	649.24	1.9%
43	9,001-10,000	4	0.0%	100.0%		650.53	6.51	627.40	-3.6%	6.27	667.45	2.6%	705.38	5.7%	718.19	1.8%
44	>10,000	8	0.0%	100.0%		650.53	6.51	627.40	-3.6%	6.27	667.45	2.6%	705.38	5.7%	718.19	1.8%
45		17,029														

Note: Based on 2012 billing data.

**Okanogan County PUD
2013 Bill Frequency Analysis**

Rate Adjustment Impact Assessment - Rate Design Option 2

District Customer Class Estimated Monthly Bills

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
Schedule No. 3A - Small General Service																
Line No.	kWh per month	No. of Customers	% of Total	Cum. % of Total		Bill at Current Rates	Cents per kWh	Bill at Cost of Service	Percent Change	Cents per kWh	Bill at TY 2013 Proposed	Percent Change	Bill at TY 2014 Proposed	Percent Change	Bill at TY 2015 Proposed	Percent Change
1	0	123	5.98%	6.0%		\$37.00		\$102.10	175.9%		\$40.00	8.1%	\$45.00	12.5%	\$50.00	11.1%
2	250	418	20.23%	26.2%		37.60	15.04	102.10	171.5%	40.84	40.66	8.1%	60.89	49.7%	67.13	10.2%
3	500	200	9.68%	35.9%		38.20	7.64	102.10	167.3%	20.42	55.96	46.5%	76.78	37.2%	84.26	9.7%
4	750	145	7.03%	42.9%		53.44	7.13	102.10	91.1%	13.61	71.27	33.4%	92.67	30.0%	101.38	9.4%
5	1,000	130	6.31%	49.2%		68.68	6.87	102.10	48.7%	10.21	86.57	26.1%	108.56	25.4%	118.51	9.2%
6	1,500	212	10.27%	59.5%		99.15	6.61	117.98	19.0%	7.87	117.17	18.2%	140.34	19.8%	152.77	8.9%
7	2,000	156	7.56%	67.1%	Avg.	129.63	6.48	146.40	12.9%	7.32	147.77	14.0%	172.12	16.5%	187.02	8.7%
8	2,500	115	5.58%	72.6%		160.10	6.40	174.81	9.2%	6.99	178.37	11.4%	203.90	14.3%	221.28	8.5%
9	3,000	98	4.74%	77.4%		190.58	6.35	203.23	6.6%	6.77	208.97	9.7%	235.68	12.8%	255.53	8.4%
10	3,500	69	3.33%	80.7%		221.05	6.32	231.65	4.8%	6.62	239.58	8.4%	267.46	11.6%	289.79	8.3%
11	4,000	60	2.91%	83.6%		251.53	6.29	260.07	3.4%	6.50	270.18	7.4%	299.24	10.8%	324.04	8.3%
12	4,500	43	2.09%	85.7%		282.00	6.27	288.48	2.3%	6.41	300.78	6.7%	331.02	10.1%	358.30	8.2%
13	5,000	42	2.04%	87.7%		312.48	6.25	316.90	1.4%	6.34	331.38	6.1%	362.80	9.5%	392.55	8.2%
14	5,500	34	1.62%	89.4%		342.95	6.24	345.32	0.7%	6.28	361.98	5.6%	394.58	9.0%	426.81	8.2%
15	6,000	26	1.25%	90.6%		373.43	6.22	373.74	0.1%	6.23	392.59	5.1%	426.36	8.6%	461.07	8.1%
16	6,500	28	1.35%	92.0%		403.90	6.21	402.15	-0.4%	6.19	423.19	4.8%	458.14	8.3%	495.32	8.1%
17	7,000	19	0.94%	92.9%		434.38	6.21	430.57	-0.9%	6.15	453.79	4.5%	489.92	8.0%	529.58	8.1%
18	7,500	21	1.01%	93.9%		464.85	6.20	458.99	-1.3%	6.12	484.39	4.2%	521.70	7.7%	563.83	8.1%
19	8,000	17	0.82%	94.7%		495.33	6.19	487.41	-1.6%	6.09	514.99	4.0%	553.48	7.5%	598.09	8.1%
20	8,500	13	0.63%	95.4%		525.80	6.19	515.82	-1.9%	6.07	545.60	3.8%	585.26	7.3%	632.34	8.0%
21	9,000	12	0.57%	95.9%		556.28	6.18	544.24	-2.2%	6.05	576.20	3.6%	617.04	7.1%	666.60	8.0%
22	9,500	12	0.60%	96.5%		586.75	6.18	572.66	-2.4%	6.03	606.80	3.4%	648.82	6.9%	700.85	8.0%
23	10,000	10	0.50%	97.0%		617.23	6.17	601.08	-2.6%	6.01	637.40	3.3%	680.60	6.8%	735.11	8.0%
24	11,000	15	0.72%	97.7%		678.18	6.17	657.91	-3.0%	5.98	698.61	3.0%	744.16	6.5%	803.62	8.0%
25	12,000	12	0.58%	98.3%		739.13	6.16	714.75	-3.3%	5.96	759.81	2.8%	807.72	6.3%	872.13	8.0%
26	13,000	6	0.31%	98.6%		800.08	6.15	771.58	-3.6%	5.94	821.01	2.6%	871.28	6.1%	940.64	8.0%
27	14,000	5	0.26%	98.9%		861.03	6.15	828.42	-3.8%	5.92	882.22	2.5%	934.84	6.0%	1,009.15	7.9%
28	15,000	5	0.23%	99.1%		921.98	6.15	885.25	-4.0%	5.90	943.42	2.3%	998.41	5.8%	1,077.66	7.9%
29	16,000	4	0.18%	99.3%		982.93	6.14	942.09	-4.2%	5.89	1,004.63	2.2%	1,061.97	5.7%	1,146.17	7.9%
30	17,000	3	0.12%	99.4%		1,043.88	6.14	998.92	-4.3%	5.88	1,065.83	2.1%	1,125.53	5.6%	1,214.69	7.9%
31	18,000	3	0.14%	99.6%		1,104.83	6.14	1,055.76	-4.4%	5.87	1,127.03	2.0%	1,189.09	5.5%	1,283.20	7.9%
32	19,000	2	0.08%	99.6%		1,165.78	6.14	1,112.59	-4.6%	5.86	1,188.24	1.9%	1,252.65	5.4%	1,351.71	7.9%
33	20,000	2	0.10%	99.7%		1,226.73	6.13	1,169.43	-4.7%	5.85	1,249.44	1.9%	1,316.21	5.3%	1,420.22	7.9%
34	21,000	1	0.05%	99.8%		1,287.68	6.13	1,226.26	-4.8%	5.84	1,310.65	1.8%	1,379.77	5.3%	1,488.73	7.9%
35	22,000	1	0.06%	99.9%		1,348.63	6.13	1,283.10	-4.9%	5.83	1,371.85	1.7%	1,443.33	5.2%	1,557.24	7.9%
36	23,000	1	0.04%	99.9%		1,409.58	6.13	1,339.93	-4.9%	5.83	1,433.06	1.7%	1,506.89	5.2%	1,625.75	7.9%
37	24,000	1	0.04%	99.9%		1,470.53	6.13	1,396.77	-5.0%	5.82	1,494.26	1.6%	1,570.45	5.1%	1,694.26	7.9%
38	25,000	1	0.03%	100.0%		1,531.48	6.13	1,453.60	-5.1%	5.81	1,555.46	1.6%	1,634.01	5.0%	1,762.77	7.9%
39	26,000	0	0.00%	100.0%		1,592.43	6.12	1,510.44	-5.1%	5.81	1,616.67	1.5%	1,697.57	5.0%	1,831.28	7.9%
40	27,000	0	0.01%	100.0%		1,653.38	6.12	1,567.27	-5.2%	5.80	1,677.87	1.5%	1,761.13	5.0%	1,899.79	7.9%
41	28,000	0	0.00%	100.0%		1,714.33	6.12	1,624.11	-5.3%	5.80	1,739.08	1.4%	1,824.69	4.9%	1,968.31	7.9%
42	29,000	0	0.01%	100.0%		1,775.28	6.12	1,680.94	-5.3%	5.80	1,800.28	1.4%	1,888.25	4.9%	2,036.82	7.9%
43	30,000	0	0.01%	100.0%		1,836.23	6.12	1,737.78	-5.4%	5.79	1,861.48	1.4%	1,951.81	4.9%	2,105.33	7.9%
		2,064														

Note: Based on 2012 billing data.

Okanogan County PUD
2013 Bill Frequency Analysis

Rate Adjustment Impact Assessment - Rate Design Option 2
District Customer Class Estimated Monthly Bills

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S)

Schedule No. 3B - Large General Service

Line No.	kWh per month	No. of Customers	% of Total	Cum. % of Total	kW per Month	Load Factor	Bill at Current Rates		Bill at Cost of Service		Bill at TY 2013 Proposed		Bill at TY 2014 Proposed		Bill at TY 2015 Proposed	
							Cents per kWh	Percent Change	Cents per kWh	Percent Change	Percent Change	Percent Change	Percent Change	Percent Change		
1	0	2	0.6%	0.61%	0.0	40.0%	\$262.00		\$1,406.64	436.9%	\$295.00	12.6%	\$330.00	11.9%	\$365.00	10.6%
2	1,000	7	2.5%	3.13%	3.4	40.0%	305.90	30.59	1,406.64	359.8%	342.86	12.1%	384.41	12.1%	424.95	10.5%
3	2,000	8	2.8%	5.93%	6.8	40.0%	349.80	17.49	1,406.64	302.1%	390.73	11.7%	438.82	12.3%	484.90	10.5%
4	3,000	9	3.2%	9.10%	10.3	40.0%	393.70	13.12	1,406.64	257.3%	438.59	11.4%	493.23	12.5%	544.85	10.5%
5	4,000	8	2.9%	11.99%	13.7	40.0%	437.60	10.94	1,406.64	221.4%	486.46	11.2%	547.64	12.6%	604.80	10.4%
6	5,000	7	2.7%	14.72%	17.1	40.0%	481.50	9.63	1,406.64	192.1%	534.32	11.0%	602.05	12.7%	664.75	10.4%
7	6,000	7	2.7%	17.46%	20.5	40.0%	525.40	8.76	1,406.64	167.7%	582.18	10.8%	656.46	12.8%	724.71	10.4%
8	7,000	8	2.9%	20.34%	24.0	40.0%	569.30	8.13	1,406.64	147.1%	630.05	10.7%	710.87	12.8%	784.66	10.4%
9	8,000	9	3.3%	23.60%	27.4	40.0%	613.20	7.67	1,406.64	129.4%	677.91	10.6%	765.28	12.9%	844.61	10.4%
10	9,000	7	2.6%	26.24%	30.8	40.0%	657.10	7.30	1,406.64	114.1%	725.78	10.5%	819.69	12.9%	904.56	10.4%
11	10,000	6	2.3%	28.55%	34.2	40.0%	701.00	7.01	1,406.64	100.7%	773.64	10.4%	874.10	13.0%	964.51	10.3%
12	15,000	32	11.7%	40.29%	51.4	40.0%	927.35	6.18	1,406.64	51.7%	1,020.49	10.0%	1,154.37	13.1%	1,273.17	10.3%
13	20,000	26	9.4%	49.69%	68.5	40.0%	1,232.47	6.16	1,406.64	14.1%	1,353.99	9.9%	1,529.17	12.9%	1,684.22	10.1%
14	25,000	22	8.0%	57.71%	85.6	40.0%	1,537.58	6.15	1,406.64	-8.5%	1,687.49	9.7%	1,903.96	12.8%	2,095.28	10.0%
15	30,000	15	5.4%	63.12%	102.7	40.0%	1,842.70	6.14	1,406.64	-23.7%	2,020.99	9.7%	2,278.75	12.8%	2,506.34	10.0%
16	35,000	11	4.0%	67.09%	119.9	40.0%	2,147.82	6.14	1,617.66	-24.7%	2,354.49	9.6%	2,653.54	12.7%	2,917.39	9.9%
17	40,000	10	3.5%	70.62%	137.0	40.0%	2,452.93	6.13	1,912.99	-22.0%	2,687.99	9.6%	3,028.33	12.7%	3,328.45	9.9%
18	45,000	7	2.6%	73.17%	154.1	40.0% Avg.	2,758.05	6.13	2,208.31	-19.9%	3,021.48	9.6%	3,403.12	12.6%	3,739.50	9.9%
19	50,000	6	2.3%	75.45%	171.2	40.0%	3,063.16	6.13	2,503.64	-18.3%	3,354.98	9.5%	3,777.91	12.6%	4,150.56	9.9%
20	55,000	6	2.4%	77.81%	188.4	40.0%	3,368.28	6.12	2,798.97	-16.9%	3,688.48	9.5%	4,152.71	12.6%	4,561.61	9.8%
21	60,000	5	1.8%	79.59%	205.5	40.0%	3,673.40	6.12	3,094.30	-15.8%	4,021.98	9.5%	4,527.50	12.6%	4,972.67	9.8%
22	65,000	5	1.7%	81.32%	222.6	40.0%	3,978.51	6.12	3,389.62	-14.8%	4,355.48	9.5%	4,902.29	12.6%	5,383.73	9.8%
23	70,000	4	1.6%	82.91%	239.7	40.0%	4,283.63	6.12	3,684.95	-14.0%	4,688.97	9.5%	5,277.08	12.5%	5,794.78	9.8%
24	75,000	4	1.4%	84.27%	256.8	40.0%	4,588.75	6.12	3,980.28	-13.3%	5,022.47	9.5%	5,651.87	12.5%	6,205.84	9.8%
25	80,000	3	1.2%	85.46%	274.0	40.0%	4,893.86	6.12	4,275.61	-12.6%	5,355.97	9.4%	6,026.66	12.5%	6,616.89	9.8%
26	85,000	2	0.8%	86.26%	291.1	40.0%	5,198.98	6.12	4,570.94	-12.1%	5,689.47	9.4%	6,401.45	12.5%	7,027.95	9.8%
27	90,000	2	0.7%	86.97%	308.2	40.0%	5,504.10	6.12	4,866.26	-11.6%	6,022.97	9.4%	6,776.25	12.5%	7,439.01	9.8%
28	95,000	2	0.8%	87.77%	325.3	40.0%	5,809.21	6.11	5,161.59	-11.1%	6,356.47	9.4%	7,151.04	12.5%	7,850.06	9.8%
29	100,000	2	0.9%	88.66%	342.5	40.0%	6,114.33	6.11	5,456.92	-10.8%	6,689.96	9.4%	7,525.83	12.5%	8,261.12	9.8%
30	125,000	7	2.5%	91.12%	428.1	40.0%	7,639.91	6.11	6,933.56	-9.2%	8,357.45	9.4%	9,399.79	12.5%	10,316.40	9.8%
31	150,000	5	2.0%	93.12%	513.7	40.0%	9,165.49	6.11	8,410.20	-8.2%	10,024.95	9.4%	11,273.74	12.5%	12,371.68	9.7%
32	175,000	5	1.8%	94.87%	599.3	40.0%	10,691.08	6.11	9,886.83	-7.5%	11,692.44	9.4%	13,147.70	12.4%	14,426.96	9.7%
33	200,000	2	0.7%	95.54%	684.9	40.0%	12,216.66	6.11	11,363.47	-7.0%	13,359.93	9.4%	15,021.66	12.4%	16,482.23	9.7%
34	225,000	3	1.2%	96.74%	770.5	40.0%	13,742.24	6.11	12,840.11	-6.6%	15,027.42	9.4%	16,895.62	12.4%	18,537.51	9.7%
35	250,000	2	0.9%	97.63%	856.2	40.0%	15,267.82	6.11	14,316.75	-6.2%	16,694.91	9.3%	18,769.57	12.4%	20,592.79	9.7%
36	275,000	2	0.6%	98.19%	941.8	40.0%	16,793.40	6.11	15,793.39	-6.0%	18,362.40	9.3%	20,643.53	12.4%	22,648.07	9.7%
37	300,000	1	0.4%	98.56%	1,027.4	40.0%	18,318.99	6.11	17,270.03	-5.7%	20,029.89	9.3%	22,517.49	12.4%	24,703.35	9.7%
38	325,000	1	0.3%	98.86%	1,113.0	40.0%	19,844.57	6.11	18,746.67	-5.5%	21,697.38	9.3%	24,391.44	12.4%	26,758.63	9.7%
39	350,000	1	0.3%	99.14%	1,198.6	40.0%	21,370.15	6.11	20,223.31	-5.4%	23,364.87	9.3%	26,265.40	12.4%	28,813.91	9.7%
40	375,000	0	0.1%	99.26%	1,284.2	40.0%	22,895.73	6.11	21,699.94	-5.2%	25,032.36	9.3%	28,139.36	12.4%	30,869.19	9.7%
41	400,000	1	0.2%	99.45%	1,369.9	40.0%	24,421.32	6.11	23,176.58	-5.1%	26,699.86	9.3%	30,013.32	12.4%	32,924.47	9.7%
42	425,000	0	0.1%	99.57%	1,455.5	40.0%	25,946.90	6.11	24,653.22	-5.0%	28,367.35	9.3%	31,887.27	12.4%	34,979.75	9.7%
43	450,000	0	0.1%	99.63%	1,541.1	40.0%	27,472.48	6.10	26,129.86	-4.9%	30,034.84	9.3%	33,761.23	12.4%	37,035.03	9.7%
44	475,000	0	0.0%	99.66%	1,626.7	40.0%	28,998.06	6.10	27,606.50	-4.8%	31,702.33	9.3%	35,635.19	12.4%	39,090.31	9.7%
45	500,000	0	0.2%	99.82%	1,712.3	40.0%	30,523.64	6.10	29,083.14	-4.7%	33,369.82	9.3%	37,509.14	12.4%	41,145.59	9.7%
46	525,000	0	0.0%	99.85%	1,797.9	40.0%	32,049.23	6.10	30,559.78	-4.6%	35,037.31	9.3%	39,383.10	12.4%	43,200.87	9.7%
47	550,000	0	0.0%	99.88%	1,883.6	40.0%	33,574.81	6.10	32,036.42	-4.6%	36,704.80	9.3%	41,257.06	12.4%	45,256.15	9.7%
48	575,000	0	0.0%	99.91%	1,969.2	40.0%	35,100.39	6.10	33,513.05	-4.5%	38,372.29	9.3%	43,131.02	12.4%	47,311.42	9.7%
49	600,000	0	0.0%	99.94%	2,054.8	40.0%	36,625.97	6.10	34,989.69	-4.5%	40,039.78	9.3%	45,004.97	12.4%	49,366.70	9.7%
50	625,000	0	0.1%	100.00%	2,140.4	40.0%	38,151.55	6.10	36,466.33	-4.4%	41,707.27	9.3%	46,878.93	12.4%	51,421.98	9.7%
51	650,000	0	0.0%	100.00%	2,226.0	40.0%	39,677.14	6.10	37,942.97	-4.4%	43,374.76	9.3%	48,752.89	12.4%	53,477.26	9.7%
52	675,000	0	0.0%	100.00%	2,311.6	40.0%	41,202.72	6.10	39,419.61	-4.3%	45,042.26	9.3%	50,626.85	12.4%	55,532.54	9.7%
53	700,000	0	0.0%	100.00%	2,397.3	40.0%	42,728.30	6.10	40,896.25	-4.3%	46,709.75	9.3%	52,500.80	12.4%	57,587.82	9.7%

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Note: Based on 2012 billing data.

**Okanogan County PUD
2013 Bill Frequency Analysis**

Rate Adjustment Impact Assessment - Rate Design Option 2

District Customer Class Estimated Monthly Bills

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q)

Schedule No. 4 - Primary Industrial Service

Line No.	kWh per month	No. of Customers	kW per Month	Load Factor	Power Factor	Bill at Current Rates	Cents per kWh	Bill at Cost of Service	Percent Change	Cents per kWh	Bill at TY 2013 Proposed	Percent Change	Bill at TY 2014 Proposed	Percent Change	Bill at TY 2015 Proposed	Percent Change
1	25,000	0	68	50.0%		\$6,543	26.17	\$9,911	51.5%	39.65	\$8,054	23.1%	\$9,177	13.9%	\$10,276	12.0%
2	50,000	0	137	50.0%		7,511	15.02	9,911	32.0%	19.82	9,028	20.2%	10,264	13.7%	11,452	11.6%
3	75,000	0	205	50.0%		8,478	11.30	9,911	16.9%	13.22	10,002	18.0%	11,350	13.5%	12,627	11.3%
4	100,000	0	274	50.0%		9,446	9.45	9,911	4.9%	9.91	10,976	16.2%	12,437	13.3%	13,803	11.0%
5	125,000	0	342	50.0%		10,414	8.33	9,911	-4.8%	7.93	11,951	14.8%	13,524	13.2%	14,979	10.8%
6	150,000	0	411	50.0%		11,382	7.59	9,911	-12.9%	6.61	12,925	13.6%	14,611	13.0%	16,155	10.6%
7	175,000	0	479	50.0%		12,349	7.06	9,911	-19.7%	5.66	13,899	12.5%	15,697	12.9%	17,330	10.4%
8	200,000	0	548	50.0%		13,317	6.66	9,911	-25.6%	4.96	14,873	11.7%	16,784	12.9%	18,506	10.3%
9	225,000	1	356	86.7%	0.0%	14,285	6.35	9,911	-30.6%	4.41	15,847	10.9%	17,871	12.8%	19,682	10.1%
10	250,000	0	685	50.0%		15,253	6.10	10,574	-30.7%	4.23	16,821	10.3%	18,958	12.7%	20,858	10.0%
11	275,000	0	753	50.0%		16,220	5.90	11,627	-28.3%	4.23	17,795	9.7%	20,044	12.6%	22,033	9.9%
12	300,000	0	822	50.0%		17,188	5.73	12,680	-26.2%	4.23	18,769	9.2%	21,131	12.6%	23,209	9.8%
13	325,000	0	890	50.0%		18,156	5.59	13,734	-24.4%	4.23	19,743	8.7%	22,218	12.5%	24,385	9.8%
14	350,000	1	1,304	36.8%	96.0%	20,795	5.94	16,803	-19.2%	4.80	22,844	9.9%	25,736	12.7%	28,296	9.9%
15	375,000	0	1,027	50.0%		20,242	5.40	15,840	-21.7%	4.22	21,883	8.1%	24,611	12.5%	26,983	9.6%
16	400,000	0	1,096	50.0%		21,586	5.40	16,893	-21.7%	4.22	23,337	8.1%	26,245	12.5%	28,775	9.6%
17	425,000	0	1,164	50.0%		22,931	5.40	17,946	-21.7%	4.22	24,790	8.1%	27,880	12.5%	30,568	9.6%
18	450,000	0	1,233	50.0%		24,275	5.39	19,000	-21.7%	4.22	26,244	8.1%	29,515	12.5%	32,360	9.6%
19	475,000	0	1,301	50.0%		25,620	5.39	20,053	-21.7%	4.22	27,697	8.1%	31,149	12.5%	34,152	9.6%
20	500,000	0	1,370	50.0%		26,964	5.39	21,106	-21.7%	4.22	29,151	8.1%	32,784	12.5%	35,944	9.6%
21	525,000	0	1,438	50.0%		28,309	5.39	22,159	-21.7%	4.22	30,605	8.1%	34,419	12.5%	37,736	9.6%
22	550,000	0	1,507	50.0%		29,653	5.39	23,212	-21.7%	4.22	32,058	8.1%	36,053	12.5%	39,529	9.6%
23	575,000	0	1,575	50.0%		30,998	5.39	24,266	-21.7%	4.22	33,512	8.1%	37,688	12.5%	41,321	9.6%
24	600,000	0	1,644	50.0%		32,342	5.39	25,319	-21.7%	4.22	34,965	8.1%	39,323	12.5%	43,113	9.6%
25	625,000	0	1,712	50.0%		33,687	5.39	26,372	-21.7%	4.22	36,419	8.1%	40,958	12.5%	44,905	9.6%
26	650,000	0	1,781	50.0%		35,031	5.39	27,425	-21.7%	4.22	37,872	8.1%	42,592	12.5%	46,697	9.6%
27	675,000	0	1,849	50.0%		36,375	5.39	28,478	-21.7%	4.22	39,326	8.1%	44,227	12.5%	48,490	9.6%
28	700,000	0	1,918	50.0%		37,720	5.39	29,532	-21.7%	4.22	40,779	8.1%	45,862	12.5%	50,282	9.6%
29	725,000	0	1,986	50.0%		39,064	5.39	30,585	-21.7%	4.22	42,233	8.1%	47,496	12.5%	52,074	9.6%
30	750,000	0	2,055	50.0%		40,409	5.39	31,638	-21.7%	4.22	43,687	8.1%	49,131	12.5%	53,866	9.6%
31	775,000	0	2,123	50.0%		41,753	5.39	32,691	-21.7%	4.22	45,140	8.1%	50,766	12.5%	55,659	9.6%
32	800,000	0	2,192	50.0%		43,098	5.39	33,744	-21.7%	4.22	46,594	8.1%	52,401	12.5%	57,451	9.6%
33	825,000	0	2,260	50.0%		44,442	5.39	34,798	-21.7%	4.22	48,047	8.1%	54,035	12.5%	59,243	9.6%
34	850,000	0	2,329	50.0%		45,787	5.39	35,851	-21.7%	4.22	49,501	8.1%	55,670	12.5%	61,035	9.6%
35	875,000	0	2,397	50.0%		47,131	5.39	36,904	-21.7%	4.22	50,954	8.1%	57,305	12.5%	62,827	9.6%
36	900,000	0	2,466	50.0%		48,476	5.39	37,957	-21.7%	4.22	52,408	8.1%	58,939	12.5%	64,620	9.6%
37	925,000	0	2,534	50.0%		49,820	5.39	39,011	-21.7%	4.22	53,861	8.1%	60,574	12.5%	66,412	9.6%
38	950,000	0	2,603	50.0%		51,165	5.39	40,064	-21.7%	4.22	55,315	8.1%	62,209	12.5%	68,204	9.6%
39	975,000	0	2,671	50.0%		52,509	5.39	41,117	-21.7%	4.22	56,769	8.1%	63,843	12.5%	69,996	9.6%
40	1,000,000	1	1,776	77.1%	81.9%	48,551	4.86	36,536	-24.7%	3.65	51,474	6.0%	57,766	12.2%	63,112	9.3%

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Note: Schedule No. 4 only serves three customers. Other usage levels are shown for reference. This analysis does not include the customer served under the "New Single Large Load" customer class.

**Okanogan County PUD
2013 Bill Frequency Analysis**

Rate Adjustment Impact Assessment - Rate Design Option 2

District Customer Class Estimated Monthly Bills

(A)	(B)	(C)	(D)	(E)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)
Schedule No. 6 - Irrigation																	
Line No.	kWh per month	No. of Customers	% of Total	Cum. % of Total	kW per Month	Load Factor	Bill at Current Rates	Cents per kWh	Bill at Cost of Service	Percent Change	Cents per kWh	Bill at TY 2013 Proposed	Percent Change	Bill at TY 2014 Proposed	Percent Change	Bill at TY 2015 Proposed	Percent Change
1	0	244	19.2%	19.2%	0	50.0%	\$12.00		\$41.34	244.5%		\$12.00	0.0%	\$15.00	25.0%	\$20.00	33.3%
2	500	285	22.4%	41.6%	1	50.0%	35.91	7.18	69.87	94.6%	13.97	36.04	0.4%	44.67	24.0%	52.39	17.3%
3	1,000	99	7.8%	49.5%	3	50.0%	59.82	5.98	98.40	64.5%	9.84	60.07	0.4%	74.35	23.8%	84.78	14.0%
4	1,500	79	6.2%	55.7%	4	50.0%	83.73	5.58	126.93	51.6%	8.46	84.11	0.5%	104.02	23.7%	117.17	12.6%
5	2,000	56	4.4%	60.1%	5	50.0%	107.64	5.38	155.46	44.4%	7.77	108.15	0.5%	133.70	23.6%	149.56	11.9%
6	2,500	56	4.4%	64.5%	7	50.0%	131.55	5.26	183.99	39.9%	7.36	132.18	0.5%	163.37	23.6%	181.95	11.4%
7	3,000	44	3.5%	68.0%	8	50.0%	155.46	5.18	212.52	36.7%	7.08	156.22	0.5%	193.05	23.6%	214.34	11.0%
8	3,500	35	2.8%	70.8%	10	50.0%	179.37	5.12	241.05	34.4%	6.89	180.26	0.5%	222.72	23.6%	246.73	10.8%
9	4,000	31	2.4%	73.2%	11	50.0%	203.28	5.08	269.58	32.6%	6.74	204.29	0.5%	252.40	23.5%	279.12	10.6%
10	4,500	25	2.0%	75.2%	12	50.0%	227.19	5.05	298.11	31.2%	6.62	228.33	0.5%	282.07	23.5%	311.51	10.4%
11	5,000	24	1.9%	77.1%	14	50.0%	251.10	5.02	326.64	30.1%	6.53	252.37	0.5%	311.75	23.5%	343.90	10.3%
12	5,500	22	1.7%	78.8%	15	50.0%	275.01	5.00	355.17	29.1%	6.46	276.40	0.5%	341.42	23.5%	376.29	10.2%
13	6,000	18	1.4%	80.2%	16	50.0%	298.92	4.98	383.70	28.4%	6.39	300.44	0.5%	371.10	23.5%	408.68	10.1%
14	6,500	16	1.3%	81.5%	18	50.0%	322.82	4.97	412.23	27.7%	6.34	324.48	0.5%	400.77	23.5%	441.07	10.1%
15	7,000	15	1.2%	82.7%	19	50.0%	346.73	4.95	440.76	27.1%	6.30	348.51	0.5%	430.44	23.5%	473.46	10.0%
16	7,500	13	1.0%	83.7%	21	50.0%	370.64	4.94	469.29	26.6%	6.26	372.55	0.5%	460.12	23.5%	505.85	9.9%
17	8,000	12	0.9%	84.6%	22	50.0%	394.55	4.93	497.82	26.2%	6.22	396.59	0.5%	489.79	23.5%	538.24	9.9%
18	8,500	12	0.9%	85.6%	23	50.0%	418.46	4.92	526.35	25.8%	6.19	420.62	0.5%	519.47	23.5%	570.63	9.8%
19	9,000	12	0.9%	86.5%	25	50.0%	442.37	4.92	554.88	25.4%	6.17	444.66	0.5%	549.14	23.5%	603.02	9.8%
20	9,500	9	0.7%	87.2%	26	50.0%	466.28	4.91	583.41	25.1%	6.14	468.70	0.5%	578.82	23.5%	635.41	9.8%
21	10,000	8	0.7%	87.8%	27	50.0%	490.19	4.90	611.93	24.8%	6.12	492.73	0.5%	608.49	23.5%	667.80	9.7%
22	25,000	99	7.8%	95.7%	68	50.0%	1,207.48	4.83	1,467.82	21.6%	5.87	1,213.83	0.5%	1,498.73	23.5%	1,639.49	9.4%
23	40,000	19	1.5%	97.2%	110	50.0%	1,924.77	4.81	2,323.71	20.7%	5.81	1,934.93	0.5%	2,388.97	23.5%	2,611.18	9.3%
24	55,000	9	0.7%	97.9%	151	50.0%	2,642.05	4.80	3,179.59	20.3%	5.78	2,656.03	0.5%	3,279.21	23.5%	3,582.87	9.3%
25	70,000	5	0.4%	98.3%	192	50.0%	3,359.34	4.80	4,035.48	20.1%	5.76	3,377.12	0.5%	4,169.45	23.5%	4,554.57	9.2%
26	85,000	4	0.3%	98.6%	233	50.0%	4,076.63	4.80	4,891.37	20.0%	5.75	4,098.22	0.5%	5,059.69	23.5%	5,526.26	9.2%
27	100,000	3	0.2%	98.9%	274	50.0%	4,793.92	4.79	5,747.25	19.9%	5.75	4,819.32	0.5%	5,949.92	23.5%	6,497.95	9.2%
28	115,000	1	0.1%	99.0%	315	50.0%	5,511.21	4.79	6,603.14	19.8%	5.74	5,540.42	0.5%	6,840.16	23.5%	7,469.65	9.2%
29	130,000	1	0.1%	99.1%	356	50.0%	6,228.49	4.79	7,459.03	19.8%	5.74	6,261.52	0.5%	7,730.40	23.5%	8,441.34	9.2%
30	145,000	2	0.2%	99.2%	397	50.0%	6,945.78	4.79	8,314.91	19.7%	5.73	6,982.61	0.5%	8,620.64	23.5%	9,413.03	9.2%
31	160,000	1	0.0%	99.3%	438	50.0%	7,663.07	4.79	9,170.80	19.7%	5.73	7,703.71	0.5%	9,510.88	23.5%	10,384.72	9.2%
32	175,000	1	0.1%	99.4%	479	50.0%	8,380.36	4.79	10,026.69	19.6%	5.73	8,424.81	0.5%	10,401.12	23.5%	11,356.42	9.2%
33	190,000	0	0.0%	99.4%	521	50.0%	9,097.64	4.79	10,882.57	19.6%	5.73	9,145.91	0.5%	11,291.36	23.5%	12,328.11	9.2%
34	205,000	1	0.1%	99.5%	562	50.0%	9,814.93	4.79	11,738.46	19.6%	5.73	9,867.01	0.5%	12,181.60	23.5%	13,299.80	9.2%
35	220,000	1	0.1%	99.5%	603	50.0%	10,532.22	4.79	12,594.34	19.6%	5.72	10,588.10	0.5%	13,071.83	23.5%	14,271.50	9.2%
36	235,000	0	0.0%	99.6%	644	50.0%	11,249.51	4.79	13,450.23	19.6%	5.72	11,309.20	0.5%	13,962.07	23.5%	15,243.19	9.2%
37	>250,000	6	0.4%	100.0%	685	50.0%	11,966.79	5.09	14,306.12	19.5%	6.09	12,030.30	0.5%	14,852.31	23.5%	16,214.88	9.2%
				1,270													

Note: Based on 2012 billing data.

**Okanogan County PUD
2013 Bill Frequency Analysis**

Rate Adjustment Impact Assessment - Rate Design Option 2

District Customer Class Estimated Monthly Bills

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R)

Schedule No. 7 - Frost Control

Line No.	Annual kWh	No. of Customers	% of Total	Cum. % of Total	Avg HP	kW per Month	Bill at Current Rates		Cents per kWh	Bill at Cost of Service		Percent Change	Cents per kWh	Bill at TY 2013 Proposed		Percent Change	Bill at TY 2014 Proposed		Percent Change	Bill at TY 2015 Proposed		Percent Change
							Current Rates	Cents per kWh		Cost of Service	Percent Change			TY 2013 Proposed	Percent Change		TY 2014 Proposed	Percent Change		TY 2015 Proposed	Percent Change	
1	0	14	9.8%	9.8%	24.0	0.0	\$108.00			\$42.00	-61.1%		\$108.00	0.0%	\$120.00	11.1%	\$135.00	12.5%				
2	100	3	2.1%	11.9%	71.7	28.3	325.61	325.61		362.78	11.4%	0.11	325.64	0.0%	250.76	-23.0%	280.27	11.8%				
3	200	7	4.9%	16.8%	48.9	13.9	226.41	113.20		200.10	-11.6%	-0.06	226.46	0.0%	189.11	-16.5%	211.76	12.0%				
4	300	2	1.4%	18.2%	150.0	52.3	684.34	228.11		635.50	-7.1%	-0.02	684.42	0.0%	365.48	-46.6%	407.72	11.6%				
5	400	7	4.9%	23.1%	57.1	50.4	269.60	67.40		614.67	128.0%	0.32	269.70	0.0%	360.28	33.6%	401.93	11.6%				
6	500	5	3.5%	26.6%	86.0	71.4	402.57	80.51		852.43	111.7%	0.22	402.70	0.0%	458.00	13.7%	510.50	11.5%				
7	750	5	3.5%	30.1%	55.0	43.6	270.86	36.11		540.69	99.6%	0.13	271.05	0.1%	341.67	26.1%	381.21	11.6%				
8	1,000	3	2.1%	32.2%	83.3	71.3	406.14	40.61		855.18	110.6%	0.11	406.39	0.1%	474.56	16.8%	528.84	11.4%				
9	1,500	22	15.4%	47.6%	84.1	72.4	425.12	28.34		871.19	104.9%	0.07	425.50	0.1%	496.39	16.7%	553.05	11.4%				
10	2,000	14	9.8%	57.3%	85.7	72.1	447.99	22.40		871.41	94.5%	0.05	448.50	0.1%	511.95	14.1%	570.28	11.4%				
11	2,500	13	9.1%	66.4%	103.9	87.4	545.50	21.82		1,047.92	92.1%	0.04	546.14	0.1%	597.67	9.4%	665.47	11.3%				
12	3,000	8	5.6%	72.0%	85.6	67.9	478.73	15.96		830.44	73.5%	0.02	479.49	0.2%	526.58	9.8%	586.43	11.4%				
13	3,500	8	5.6%	77.6%	96.9	83.8	544.93	15.57		1,014.32	86.1%	0.02	545.82	0.2%	615.23	12.7%	684.87	11.3%				
14	4,000	4	2.8%	80.4%	218.8	174.8	1,108.94	27.72		2,046.51	84.5%	0.02	1,109.95	0.1%	1,041.48	-6.2%	1,158.43	11.2%				
15	4,500	4	2.8%	83.2%	83.8	78.9	517.01	11.49		966.27	86.9%	0.02	518.15	0.2%	627.04	21.0%	697.88	11.3%				
16	5,000	2	1.4%	84.6%	76.0	41.7	497.70	9.95		548.43	10.2%	0.00	498.97	0.3%	476.22	-4.6%	530.25	11.3%				
17	5,500	4	2.8%	87.4%	100.0	83.7	621.27	11.30		1,027.39	65.4%	0.01	622.67	0.2%	682.30	9.6%	759.17	11.3%				
18	6,000	4	2.8%	90.2%	106.3	69.0	664.97	11.08		864.77	30.0%	0.01	666.49	0.2%	633.05	-5.0%	704.40	11.3%				
19	6,500	1	0.7%	90.9%	100.0	86.5	652.41	10.04		1,066.52	63.5%	0.01	654.06	0.3%	728.81	11.4%	810.74	11.2%				
20	7,000	1	0.7%	91.6%	200.0	176.0	1,117.98	15.97		2,081.61	86.2%	0.01	1,119.76	0.2%	1,148.25	2.5%	1,276.74	11.2%				
21	7,500	3	2.1%	93.7%	166.7	151.8	983.55	13.11		1,810.98	84.1%	0.01	985.46	0.2%	1,056.02	7.2%	1,174.20	11.2%				
22	8,000	2	1.4%	95.1%	200.0	147.0	1,149.12	14.36		1,760.77	53.2%	0.01	1,151.15	0.2%	1,051.50	-8.7%	1,169.13	11.2%				
23	9,000	2	1.4%	96.5%	150.0	133.8	955.26	10.61		1,618.59	69.4%	0.01	957.55	0.2%	1,025.85	7.1%	1,140.52	11.2%				
24	9,500	1	0.7%	97.2%	30.0	24.3	430.83	4.54		383.51	-11.0%	0.00	433.24	0.6%	549.80	26.9%	611.51	11.2%				
25	>10,001	4	2.8%	100.0%	200.0	172.1	1,211.43	12.11		2,058.51	69.9%	0.01	1,213.97	0.2%	1,231.90	1.5%	1,369.35	11.2%				

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Note: Customers served under this rate schedule are billed once annually in June. This analysis shows the estimated annual bill.

**Okanogan County PUD
2013 Electric Rate Study
Revenue Adequacy Analysis
Rate Design Option 2**

Line	TY 2013 Rates					TY 2014 Rates					TY 2015 Rates							
	2013		Existing Rates		Rate Increase		2014		2013 Rates		Rate Increase		2015		2014 Rates		Rate Increase	
	Billing Determinants	Rates	Revenue	Rates	Revenue	Determinants	Rates	Revenue	Rates	Revenue	Determinants	Rates	Revenue	Rates	Revenue	Rates	Revenue	
Schedule No. 2 - Residential																		
1	Basic Charge	\$ per month	205,276	\$10.00	\$2,052,764	\$35.00	\$7,184,675	207,329	\$35.00	\$7,256,522	\$35.00	\$7,256,522	209,402	\$35.00	\$7,329,087	\$40.00	\$8,376,100	
2	Minimum Energy Charge	\$ per month	205,276	25.00	5,131,911	0.00	0	207,329	0.00	0	0.00	0	209,402	0.00	0	0.00	0	
3	Energy charge																	
4	0-250 kWh	\$ per kWh	47,219,867	0.00000	0	0.00000	0	47,827,921	0.00000	0	0.05750	2,750,105	48,442,056	0.05750	2,785,418	0.05750	2,785,418	
5	251-500 kWh	\$ per kWh	42,611,657	0.00000	0	0.05750	2,450,170	43,160,370	0.05750	2,481,721	0.05750	2,481,721	43,714,571	0.05750	2,513,588	0.05750	2,513,588	
6	501-2,000 kWh	\$ per kWh	147,996,182	0.05750	8,509,780	0.05750	8,509,780	149,901,941	0.05750	8,619,362	0.05750	8,619,362	151,826,758	0.05750	8,730,039	0.05750	8,730,039	
7	> 2,000 kWh	\$ per kWh	57,264,456	0.06316	3,616,823	0.06316	3,616,823	58,001,855	0.06316	3,663,397	0.06316	3,663,397	58,746,628	0.06316	3,710,437	0.06316	3,710,437	
8	Subtotal		295,092,161		\$19,311,279		\$21,761,449	298,892,087		\$22,021,002		\$24,771,108	302,730,013		\$25,068,569		\$26,115,582	
9	COPA		295,092,161	0.00265	783,181	0.00265	783,181	298,892,087	0.00501	1,497,552	0.00501	1,497,552	302,730,013	0.00579	1,753,079	0.00579	1,753,079	
10	Total revenue				\$20,094,460		\$22,544,630			\$23,518,554		\$26,268,660			\$26,821,648		\$27,868,661	
11	Revenue adjustment factor				0.0%		0.0%			0.0%		0.0%			0.0%		0.0%	
12	Total revenue				\$20,094,460		\$22,544,630			\$23,518,554		\$26,268,660			\$26,821,648		\$27,868,661	
13																		
14	Energy in Minimum Charge (kWh)			500		0			0		0			0		0		
15																		
16	Revenue requirement	9.5%			\$21,929,031		\$21,929,031	9.5%		\$24,936,469		\$24,936,469	9.5%		\$27,744,413		\$27,744,413	
17	Over (under) revenue requirement				(\$1,834,571)		\$615,599			(\$1,417,915)		\$1,332,191			(\$922,765)		\$124,247	
18	Percent over (under) revenue requirement				-8.4%		2.8%			-5.7%		5.3%			-3.3%		0.4%	
19	Change in revenue						\$2,450,170					\$2,750,105					\$1,047,012	
20	Percent Base rate change				0.0%		12.7%			0.0%		12.5%			0.0%		4.2%	
21	Increase (decrease) required				9.1%													
22																		
23																		
24	Partial Year Rate Increase																	
25	Revenue requirement				\$19,311,279		\$21,353,087											
26	Percent Base rate change						10.6%											
27																		
28	Schedule No. 3 - Small General Service																	
29	Basic Charge	\$ per month	25,463	\$12.00	\$305,557	\$40.00	\$1,018,522	25,718	\$40.00	\$1,028,708	\$45.00	\$1,157,297	25,975	\$45.00	\$1,168,870	\$50.00	\$1,298,744	
30	Minimum Energy Charge	\$ per month	25,463	25.00	636,576	0.00	0	25,718	0.00	0	0.00	0	25,975	0.00	0	0.00	0	
31	Energy Charge - All Usage																	
32	0-250 kWh	\$ per kWh	5,196,007	0.00000	0	0.00000	0	5,300,894	0.00000	0	0.05855	310,367	5,353,903	0.05855	313,471	0.06272	335,797	
33	251-500 kWh	\$ per kWh	4,381,074	0.00000	0	0.05855	256,512	4,469,510	0.05855	261,690	0.05855	261,690	4,514,206	0.05855	264,307	0.06272	283,131	
34	> 500 kWh	\$ per kWh	44,905,825	0.05855	2,629,236	0.05855	2,629,236	45,812,299	0.05855	2,682,310	0.05855	2,682,310	46,270,422	0.05855	2,709,133	0.06272	2,902,081	
35	Subtotal		54,482,905		\$3,605,173		\$3,941,454	55,582,703		\$4,009,892		\$4,452,229	56,138,530		\$4,496,345		\$4,863,698	
36	Demand Charge > 50 kW	\$ per kW-mo	6,761	5.00	33,804	5.50	37,184	6,761	5.50	37,184	6.00	40,564	6,761	6.00	40,564	6.50	43,945	
37	COPA		54,482,905	0.00265	144,599	0.00265	144,599	55,582,703	0.00501	278,488	0.00501	278,488	56,138,530	0.00579	325,093	0.00579	325,093	
38	Total revenue				\$3,749,772		\$4,086,053			\$4,288,381		\$4,730,717			\$4,821,438		\$5,188,790	
39	Revenue adjustment factor				0.0%		0.0%			0.0%		0.0%			0.0%		0.0%	
40	Total revenue				\$3,749,772		\$4,086,053			\$4,288,381		\$4,730,717			\$4,821,438		\$5,188,790	
41																		
42	Energy in Minimum Charge (kWh)			500		0			0		0			0		0		
43																		
44	Revenue requirement	9.5%			\$4,092,263		\$4,092,263	9.5%		\$4,676,121		\$4,676,121	9.5%		\$5,188,807		\$5,188,807	
45	Over (under) revenue requirement				(\$342,491)		(\$6,210)			(\$387,740)		\$54,597			(\$367,370)		(\$17)	
46	Percent over (under) revenue requirement				-8.4%		-0.2%			-8.3%		1.2%			-7.1%		0.0%	
47	Change in revenue						\$336,281					\$442,336					\$367,352	
48	Percent Base rate change				0.0%		9.3%			0.0%		11.0%			0.0%		8.2%	
49	Increase (decrease) required				9.1%													
50																		
51																		
52	Partial Year Rate Increase																	
53	Revenue requirement				\$3,605,173		\$3,885,407											
54	Percent Base rate change						7.8%											
55																		

**Okanogan County PUD
2013 Electric Rate Study
Revenue Adequacy Analysis
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Line	TY 2013 Rates				TY 2014 Rates				TY 2015 Rates								
	2013		2014		2013 Rates		2014		2015		2014 Rates		2015				
	Billing Determinants	Existing Rates	Rate Increase	Billing Determinants	Existing Rates	Rate Increase	Billing Determinants	Existing Rates	Rate Increase	Billing Determinants	Existing Rates	Rate Increase	Billing Determinants	Existing Rates	Rate Increase		
56	Schedule No. 3 - General Service (Large Power)																
57	Basic Charge	\$ per month	3,346	\$12.00	\$40,154	\$20.00	\$66,924	3,380	\$20.00	\$67,592	\$30.00	\$101,389	3,413	\$30.00	\$102,403	\$40.00	\$136,537
58	Energy Charge	\$ per kWh	151,771,659	0.04150	6,298,524	0.04521	6,861,597	152,734,406	0.04521	6,905,122	0.04940	7,545,080	154,261,750	0.04940	7,620,530	0.05416	8,354,816
59	Demand Charge All kW	\$ per kW-mo	435,749	5.00	2,178,744	5.50	2,396,618	440,106	5.50	2,420,584	6.00	2,640,638	444,507	6.00	2,667,044	6.50	2,889,298
60	Minimum Demand Charge	\$ per Month	954	250.00	238,500	275.00	262,350	954	275.00	262,350	300.00	286,200	954	300.00	286,200	325.00	310,050
61	Subtotal			\$8,755,922		\$9,587,489		\$9,655,649		\$10,573,306		\$10,676,177		\$10,676,177		\$11,690,701	
62	COPA		151,771,659	0.00265	402,805	0.00265	402,805	152,734,406	0.00501	765,252	0.00501	765,252	154,261,750	0.00579	893,314	0.00579	893,314
63	Total revenue			\$9,158,727		\$9,990,294		\$10,420,901		\$11,338,558		\$11,569,491		\$11,569,491		\$12,584,015	
64	Revenue adjustment factor			0.0%		0.0%	0.0%		0.0%		0.0%	0.0%		0.0%		0.0%	
65	Total revenue			\$9,158,727		\$9,990,294		\$10,420,901		\$11,338,558		\$11,569,491		\$11,569,491		\$12,584,015	
66																	
67	Revenue requirement		9.5%	\$9,990,540		\$9,990,540		\$11,338,457		\$11,338,457		\$11,338,457		\$12,583,618		\$12,583,618	
68	Over (under) revenue requirement			(\$831,813)		(\$246)		(\$917,556)		\$101		(\$1,014,127)		\$397		\$397	
69	Percent over (under) revenue requirement			-8.3%		0.0%		-8.1%		0.0%		-8.1%		0.0%		0.0%	
70	Change in revenue					\$831,567		\$917,657		\$917,657		\$1,014,524		\$1,014,524		\$1,014,524	
71	Percent Base rate change			0.0%		9.5%		0.0%		9.5%		0.0%		0.0%		9.5%	
72	Increase (decrease) required			9.1%													
73																	
74	Partial Year Rate Increase																
75	Revenue requirement			\$8,755,922		\$9,448,894											
76	Percent Base rate change					7.9%											
77																	
78	Schedule No. 4 - Primary Industrial Service																
79	Basic Charge	\$ per month	36	\$75.00	\$2,700	\$80.00	2,880	36	\$80.00	\$2,880	\$90.00	3,240	36	\$90.00	\$3,240	\$100.00	\$3,600
80	Energy Charge	\$ per kWh	18,409,470	0.03631	668,448	0.03631	668,448	18,409,470	0.03631	668,448	0.03846	708,028	18,409,470	0.03846	708,028	0.04124	759,207
81	Demand Charge	\$ per kW	54,501	5.50	299,758	7.00	381,510	54,501	7.00	381,510	8.00	436,011	54,501	8.00	436,011	9.00	490,513
82	Minimum Demand Charge	\$ per month	12	5,500	66,000	7,000	84,000	12	7,000	84,000	8,000	96,000	12	8,000	96,000	9,000	108,000
83	Subtotal			\$1,036,906		\$1,136,838		\$1,136,838		\$1,243,280		\$1,243,280		\$1,243,280		\$1,361,319	
84	COPA		18,409,470	0.00265	48,859	0.00265	48,859	18,409,470	0.00501	92,238	0.00501	92,238	18,409,470	0.00579	106,607	0.00579	106,607
85	CIPV Credit			0		0			0		0			0		0	
86	Total with CIPV Credit			\$1,085,765		\$1,185,697		\$1,229,076		\$1,335,517		\$1,335,517		\$1,349,887		\$1,467,927	
87	Revenue adjustment factor			0.0%		0.0%	0.0%		0.0%		0.0%	0.0%		0.0%		0.0%	
88	Total revenue			\$1,085,765		\$1,185,697		\$1,229,076		\$1,335,517		\$1,335,517		\$1,349,887		\$1,467,927	
89																	
90	Revenue requirement		9.5%	\$1,184,271		\$1,184,271		\$1,335,514		\$1,335,514		\$1,335,514		\$1,467,994		\$1,467,994	
91	Over (under) revenue requirement			(\$98,506)		\$1,426		(\$106,438)		\$4		(\$118,107)		(\$68)		(\$68)	
92	Percent over (under) revenue requirement			-8.3%		0.1%		-8.0%		0.0%		-8.0%		0.0%		0.0%	
93	Change in revenue					\$99,932		\$106,442		\$106,442		\$118,040		\$118,040		\$118,040	
94	Percent Base rate change			0.0%		9.6%		0.0%		9.4%		0.0%		0.0%		9.5%	
95	Increase (decrease) required			9.1%													
96																	
97	Partial Year Rate Increase																
98	Revenue requirement			\$1,036,906		\$1,120,182											
99	Percent Base rate change					8.0%											
100																	

Okanogan County PUD
2013 Electric Rate Study
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Rate Design Option 2

Line	TY 2013 Rates					TY 2014 Rates					TY 2015 Rates						
	2013		2014		2015		2013 Rates		2014 Rates		2014 Rates		2015 Rates				
	Billing Determinants	Existing Rates	Rate Increase	Billing Determinants	Rate Increase	Billing Determinants	Rate Increase	Rates	Revenue	Rates	Revenue	Rates	Revenue				
101	Schedule No. 6 - Irrigation																
102																	
103	Basic Charge	\$ per month	8,400	\$12.00	\$100,800	\$12.00	\$100,800	8,400	\$12.00	\$100,800	\$15.00	\$126,000	8,400	\$15.00	\$126,000	\$20.00	\$168,000
104	Demand Charge	\$ per kW	185,276	3.00	555,828	3.00	555,828	185,276	3.00	555,828	4.00	741,104	185,276	4.00	741,104	5.00	926,380
105	Seasonal Energy Charge	\$ per kWh	63,774,744	0.03720	2,372,420	0.03720	2,372,420	63,774,744	0.03720	2,372,420	0.04338	2,766,548	63,774,744	0.04338	2,766,548	0.04529	2,888,358
106	Inter-Seasonal Energy Charge	\$ per kWh	998,397	0.05855	58,456	0.05855	58,456	998,397	0.05855	58,456	0.06828	68,167	998,397	0.06828	68,167	0.07128	71,169
107	Subtotal			\$3,087,505		\$3,087,505		\$3,087,505		\$3,701,820		\$3,701,820		\$3,701,820		\$4,053,907	
108	COPA		64,773,141	0.00265	171,909	0.00265	171,909	64,773,141	0.00501	324,536	0.00501	324,536	64,773,141	0.00579	375,095	0.00579	375,095
109	Total revenue			\$3,259,414		\$3,259,414		\$3,412,040		\$4,026,356		\$4,026,356		\$4,076,915		\$4,429,002	
110	Revenue adjustment factor			0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		0.0%	
111	Total revenue			\$3,259,414		\$3,259,414		\$3,412,040		\$4,026,356		\$4,026,356		\$4,076,915		\$4,429,002	
112																	
113	Revenue requirement		9.5%	\$3,552,727		\$3,552,727		\$4,026,531		\$4,026,531		\$4,428,780		\$4,428,780		\$4,428,780	
114	Over (under) revenue requirement			(\$293,313)		(\$293,313)		(\$614,491)		(\$175)		(\$351,865)		\$222		\$222	
115	Percent over (under) revenue requirement			-8.3%		-8.3%		-15.3%		0.0%		-7.9%		0.0%		0.0%	
116	Change in revenue			\$0		\$0		\$614,315		\$19,900		\$0		\$352,087		\$352,087	
117	Percent Base rate change			0.0%		0.0%		0.0%		19.9%		0.0%		0.0%		9.5%	
118	Increase (decrease) required			9.0%													
119																	
120	Partial Year Rate Increase																
121	Revenue requirement			\$3,087,505		\$3,087,505											
122	Percent Base rate change			0.0%		0.0%											
123																	
124	Schedule No. 7 - Frost Control																
125	Facilities Charge	\$ per HP-season	12,269	\$4.50	\$55,212	\$4.50	\$55,212	12,331	\$4.50	\$55,488	\$0.00	\$0	12,392	\$0.00	\$0	\$0.00	\$0
126	Basic Charge	\$ per month	143	0.00	0	0.00	0	143	0.00	\$0	120.00	17,160	143	120.00	17,160	135.00	19,305
127	Demand Charge	\$ per kW	10,081	0.00	0	0.00	0	10,131	0.00	\$0	4.50	45,592	10,182	4.50	45,820	5.00	50,911
128	Energy Charge	\$ per kWh	358,197	0.02874	10,295	0.02874	10,295	358,197	0.02874	10,295	0.02874	10,295	358,197	0.02874	10,295	0.03160	11,319
129	Subtotal			\$65,507		\$65,507		\$65,783		\$73,046		\$73,046		\$73,274		\$81,535	
130	COPA		358,197	0.00265	951	0.00265	951	358,197	0.00501	1,795	0.00501	1,795	358,197	0.00579	2,074	0.00579	2,074
131	Total revenue			\$66,458		\$66,458		\$67,578		\$74,841		\$74,841		\$75,349		\$83,609	
132	Revenue adjustment factor			0.0%		0.0%		0.0%		0.0%		0.0%		0.0%		0.0%	
133	Total revenue			\$66,458		\$66,458		\$67,578		\$74,841		\$74,841		\$75,349		\$83,609	
134																	
135	Revenue requirement		9.5%	\$72,681		\$72,681		\$80,641		\$80,641		\$88,661		\$88,661		\$88,661	
136	Over (under) revenue requirement			(\$6,223)		(\$6,223)		(\$13,064)		(\$5,800)		(\$13,313)		(\$5,052)		(\$5,052)	
137	Percent over (under) revenue requirement			-8.6%		-8.6%		-16.2%		-7.2%		-15.0%		-5.7%		-5.7%	
138	Change in revenue			\$0		\$0		\$7,263		\$11,000		\$0		\$8,261		\$8,261	
139	Percent Base rate change			0.0%		0.0%		0.0%		11.0%		0.0%		0.0%		11.3%	
140	Increase (decrease) required			9.4%													
141																	
142	Partial Year Rate Increase																
143	Revenue requirement			\$65,507		\$65,507											
144	Percent Base rate change			0.0%		0.0%											
145																	

**Okanogan County PUD
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Line	TY 2013 Rates						TY 2014 Rates						TY 2015 Rates					
	2013		Existing Rates		Rate Increase		2014		2013 Rates		Rate Increase		2015		2014 Rates		Rate Increase	
	Billing	Determinants	Rates	Revenue	Rates	Revenue	Determinants	Rates	Revenue	Rates	Revenue	Determinants	Rates	Revenue	Rates	Revenue		
146	Schedule No. 8 - Street Lighting																	
147	Fixture Charge																	
148		8,364	\$6.40	\$53,530	\$7.00	\$58,548	8,364	\$7.00	\$58,548	\$7.70	\$64,403	8,364	\$7.70	\$64,403	\$8.40	\$70,258		
149		7,776	9.80	76,205	10.70	83,203	7,776	10.70	83,203	11.80	91,757	7,776	11.80	91,757	12.90	100,310		
150			\$129,734		\$141,751				\$141,751		\$156,160				\$170,568			
151			4.4%		4.4%				4.4%		4.4%				4.4%			
152			\$135,393		\$147,934				\$147,934		\$162,970				\$178,007			
153																		
154		9.5%	\$148,255		\$148,255		9.5%	\$162,339		\$162,339		9.5%	\$177,761		\$177,761			
155			(\$12,862)		(\$321)				(\$14,406)		\$631		(\$14,791)		\$246			
156			-8.7%		-0.2%				-8.9%		0.4%		-8.3%		0.1%			
157					\$12,541						\$15,037				\$15,037			
158			0.0%		9.3%				0.0%		10.2%				9.2%			
159			9.5%										0.0%					
160																		
161	Partial Year Rate Increase																	
162			\$135,393		\$145,843													
163					7.7%													
164																		
165	Total																	
166			\$37,549,988		\$41,280,479				\$43,084,464		\$47,937,619				\$48,877,698			
167			40,969,767		40,969,767				46,556,072		46,556,072				51,680,035			
168			(3,419,780)		310,711				(3,471,608)		1,381,547				(2,802,337)			
169			-8.3%		0.8%				-7.5%		3.0%				-5.4%			
170																		
171			0.00%		9.9%				4.37%		11.26%				1.96%			
172																		
173	Partial Year Rate Increase																	
174			\$35,997,683		\$39,106,426													
175					8.6%													

Appendix J
PUBLIC UTILITY DISTRICT NO. 1 OF OKANOGAN COUNTY
RESOLUTION

RESOLUTION NO. 1567

A Resolution of the Board of Commissioners of Public Utility District No. 1 of Okanogan County Revising the District's Electric Service Rate Schedules

WHEREAS, District Resolution No. 832 and subsequent amendments have set forth the General Policy Provisions and Electric Rate Schedules of the District; and

WHEREAS, District Resolution No. 1506 provided for a series of three (3) annual rate adjustments representing a six and a half percent (6.5%) revenue increase to be implemented each July 1st of 2010, 2011 and 2012; and

WHEREAS, District Resolution No. 1506 also provided for rates to be automatically adjusted to reflect any increase or decrease in the cost of power from contracted power sources within thirty (30) days of such increase or decrease, unless suspended by a Resolution of the Board of Commissioners; and

WHEREAS, the current EMP indicates a series of three (3) annual rate adjustments are necessary to meet both short-term and long-term financial goals and to maintain the District's strong financial condition.

NOW, THEREFORE, BE IT RESOLVED that the Board of Commissioners of Public Utility District No. 1 of Okanogan County hereby authorizes rate adjustments representing a nine and a half percent (9.5%) revenue increase effective in accordance with attached rate schedules.

BE IT FURTHER RESOLVED that the Board of Commissioners hereby authorizes rates to automatically be adjusted to reflect any increase or decrease in the cost of power from contracted power sources within thirty (30) days of the District incurring such increase or decrease, unless suspended by a Resolution of the Board of Commissioners.

BE IT FURTHER RESOLVED that the Board of Commissioners hereby adopts and approves the rates and effective dates as set forth in the District's Service Schedules, attached hereto and made a part of this Resolution as follows:

Residential Service Schedule No. 2:

Effective for billings rendered on or after September 1, 2013

Small General Service Schedule No. 3a:

Effective for billings rendered on or after September 1, 2013

Large General Service Schedule No. 3b:

Effective for billings rendered on or after September 1, 2013

Industrial Service Schedule No. 4:

Effective for billings rendered on or after September 1, 2013

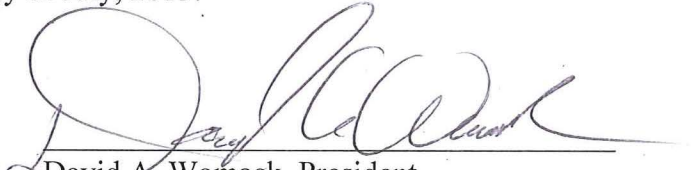
Irrigation Schedule No. 6:

Effective for billings rendered on or after April 1, 2014

Frost Control Service Schedule No. 7:
Effective for billings rendered on or after March 1, 2014

Street Lighting Service Schedule No. 8:
Effective for billings rendered on or after September 1, 2013

PASSED AND APPROVED this 30th day of July, 2013.



David A. Womack, President

ATTEST:



Steve Houston, Vice President



Ernest J. Bolz, Secretary

APPROVED AS TO FORM:



Michael D. Howe, Legal Counsel

P.U.D. NO. 1 OF OKANOGAN COUNTY

SERVICE SCHEDULE NO. 2

RESIDENTIAL SERVICE

Applicable: To each individual customer/family residing in a single family dwelling or multiple family building, and to a farm which processes only its own products. The single meter on a farm may serve buildings used only for the single farm. The maximum service provided under this schedule is 600 amperes.

The schedule is based on continuous use and minimums will be billed for twelve consecutive months.

Monthly Rates:

September 1, 2013

Basic Charge (Note 1)	\$35.00
Energy Charge	
First 2,000 kWh (\$/kWh)	\$.04350
Over 2,000 kWh (\$/kWh)	\$.06316

Cost of Power Adjustment (COPA): Rates will be automatically adjusted to reflect any increase or decrease in the cost of power from contracted power sources within thirty (30) days of the District incurring such increase or decrease, unless suspended by a Resolution of the Board of Commissioners.

General Provisions: Service under this schedule is subject to the General Provisions in accordance with Resolution No. 832 of the District.

Effective Date: Effective for all energy usage, basic charges and minimums billed on or after the above referenced date.

Notes:

- 1) Basic Charge of \$10/month will be assessed on a meter if the sole purpose of that meter is to measure the energy consumption of a well/pump providing domestic water to a single family residence (WAC 173-505-030).

*Revised 10/30/01 – Resolution No. 1225
Revised 05/04/10 – Resolution No. 1506
Revised 10/01/10 – Resolution No. 1514
Revised 07/30/13 – Resolution No. 1567*

P.U.D. NO. 1 OF OKANOGAN COUNTY

SERVICE SCHEDULE NO. 3a

SMALL GENERAL SERVICE

Applicable: Electrical service to commercial, governmental, industrial, or other services not eligible under other rate schedules where measured demand is less than 50 kW at least ten months in the previous twelve month period.

The schedule is based on continuous use and minimums will be billed for twelve consecutive months.

Monthly Rates:

September 1, 2013

Basic Charge	\$40.00
Energy Charge	
All Energy (\$/kWh)	\$.05308
Demand Charge	\$5.50
(\$/all kW/month when kW equals or exceeds 50)	

Demand: If the connected load is determined to be equal to or greater than 50 kW then a rate schedule change may be necessary.

Cost of Power Adjustment (COPA): Rates will be automatically adjusted to reflect any increase or decrease in the cost of power from contracted power sources within thirty (30) days of the District incurring such increase or decrease, unless suspended by a Resolution of the Board of Commissioners.

General Provisions: Service under this schedule is subject to the General Provisions in accordance with Resolution No. 832 of the District.

Effective Date: Effective for all energy usage, basic charges and minimums billed on or after the above referenced date.

*Revised 10/30/01 – Resolution No. 1225
Revised 05/04/10 – Resolution No. 1506
Revised 12/01/10 – Resolution No. 1517
Revised 07/30/13 – Resolution No. 1567*

P.U.D. NO. 1 OF OKANOGAN COUNTY

SERVICE SCHEDULE NO. 3b

LARGE GENERAL SERVICE

Applicable: Service to any one individual customer for which another specific rate schedule is not available with a connected load of 50 kW or greater.

The schedule is based on continuous use and minimums will be billed for twelve consecutive months.

<u>Monthly Rates:</u>	<u>September 1, 2013</u>
Basic Charge	\$20.00
Energy Charge All Energy (\$/kWh)	\$.04521
Demand Charge (\$/all kW/month)	\$5.50
Minimum Demand Charge	\$275.00
kW in Minimum Demand Charge	50

Demand: At the option of the District, billing demand shall be as indicated by a demand meter, as determined by a test, or on the basis of connected load. The method of determining demand may be changed from one to another at any time.

Power Factor: The consumer agrees to maintain unity power factor as nearly as practicable. The demand charge, before adjustment for power factor, will be increased 1% more for each 1% by which the average power factor is less than .97 lagging. The threshold for power factor adjustment may change at any time the power factor requirements of the District's wholesale power supplier's change.

Cost of Power Adjustment (COPA): Rates will be automatically adjusted to reflect any increase or decrease in the cost of power from contracted power sources within thirty (30) days of the District incurring such increase or decrease, unless suspended by a Resolution of the Board of Commissioners.

General Provisions: Service under this schedule is subject to the General Provisions in accordance with Resolution No. 832 of the District.

Effective Date: Effective for all energy usage, basic charges and minimums billed on or after the above referenced date.

*Revised 04/10/01 – Resolution No. 1209
Revised 10/30/01 – Resolution No. 1225
Revised 05/04/10 – Resolution No. 1506
Revised 07/30/13 – Resolution No. 1567*

P.U.D. NO. 1 OF OKANOGAN COUNTY

SERVICE SCHEDULE NO. 4

INDUSTRIAL SERVICE

Service Character: Three phase, 60 cycle, primary distribution voltage available or approved by the District. Transformation and all distribution system inside the customer's plant to be supplied by the customer.

Applicable: For any load with measured monthly demand of at least 1,000 kW and not more than 10,000 kW average annual increase.

Monthly Rates:

September 1, 2013

Basic Charge	\$80.00
Energy Charge	
All Energy (\$/kWh)	\$.03631
Demand Charge (\$/all kW/month)	\$7.00
Minimum Demand Charge	\$7,000.00
kW in Minimum Demand Charge	1,000

Demand: The billing demand shall be the maximum kW load used by the customer during the month for which the bill is being rendered, as indicated by the demand meter.

Power Factor: The consumer agrees to maintain unity power factor as nearly as practicable. The demand charge, before adjustment for power factor, will be increased 1% more for each 1% by which the average power factor is less than .97 lagging. The threshold for power factor adjustment may change at any time the power factor requirements of the District's wholesale power supplier's change.

Cost of Power Adjustment (COPA): Rates will be automatically adjusted to reflect any increase or decrease in the cost of power from contracted power sources within thirty (30) days of the District incurring such increase or decrease, unless suspended by a Resolution of the Board of Commissioners.

General Provisions: Service under this schedule is subject to the General Provisions in accordance with Resolution No. 832 of the District.

Effective Date: Effective for all energy usage, basic charges and minimums billed on or after the above referenced date.

*Revised 04/10/01 – Resolution No. 1209
Revised 10/30/01 – Resolution No. 1225
Revised 05/04/10 – Resolution No. 1506
Revised 07/30/13 – Resolution No. 1567*

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SERVICE SCHEDULE NO. 6

IRRIGATION SERVICE

Applicable: Electrical service for irrigation, drainage and incidental farm use. Schedule is based on continuous service for the irrigation season of April 1 through October 31.

Rates:

April 1, 2014

Basic Charge (\$/month)	\$15.00
Seasonal Energy Charge All Energy (\$/kWh)	\$.04338
Inter-Seasonal Energy Charge All Energy (\$/kWh)	\$.06828
Demand Charge All kW (\$/month)	\$4.00

Minimum Seasonal Charge: In order to ensure adequate fixed cost recovery from large irrigation customers, there will be a minimum seasonal charge for service installations of 500 horsepower, or greater. The charge will be calculated using a demand estimate based on the higher of the service's highest demand reading during the current irrigation season, or 75 percent of the horsepower rating of the service, times the current demand rate times 7 months.

Cost of Power Adjustment (COPA): Rates will be automatically adjusted to reflect any increase or decrease in the cost of power from contracted power sources within thirty (30) days of the District incurring such increase or decrease, unless suspended by a Resolution of the Board of Commissioners.

General Provisions: Service under this schedule is subject to the General Provisions in accordance with Resolution No. 832 of the District.

Effective Date: Effective for all energy usage, basic charges and minimums billed on or after the above referenced date.

*Revised 05/04/10 – Resolution No. 1506
Revised 02/22/11 – Resolution No. 1523
Revised 03/06/12 – Resolution No. 1538
Revised 07/30/13 – Resolution No. 1567*

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SERVICE SCHEDULE NO. 7

FROST CONTROL SERVICE

Applicable: Electrical service to wind machines or pumps used only for frost protection. Schedule is based on continuous service for the frost control season of March 1 through May 31.

Rates: March 1, 2014

Basic Charge (\$/year)	\$120.00
Seasonal Energy Charge	
All Energy (\$/kWh)	\$.02874
Inter-Seasonal Energy Charge	
All Energy (\$/kWh)	\$.06828
Demand Charge	
All kW (\$/month)	\$4.50

Billing: With the exception of inter-seasonal usage, bills shall be rendered annually on approximately June 15 of each year. In the event the current year's billing is not paid in full by September 1, the account will be disconnected. Prior to reconnecting the service, the District will require payment in full of the delinquent billing and all associated late, disconnection, and reconnection charges. In addition, a security deposit equivalent to the following year's annual facilities charge will be required. A 1% per month service charge is assessed on balances that are over thirty (30) days in arrears.

Service: For service to be supplied under this schedule the customer must agree to and pay the following:

- 1) Prepay all District costs of initial service installation. Customer would pay the depreciated cost of any existing unused facilities.
- 2) All costs to replace the initial system due to damage, obsolescence, added load, depreciation, etc., must be paid before service will be allowed the following year. All such work must be performed by District crews.
- 3) All facilities required to serve customers under this rate schedule shall remain the property of the District.

Service Restrictions: Service to new wind machines will only be provided if adequate capacity is available in the existing backbone system. The Engineering Department must be contacted before new services are allowed. If requested by the customer, backbone system improvement costs can be included in item 1) above.

Cost of Power Adjustment (COPA): Rates will be automatically adjusted to reflect any increase or decrease in the cost of power from contracted power sources within thirty (30) days of the District incurring such increase or decrease, unless suspended by a Resolution of the Board of Commissioners.

General Provisions: Service under this schedule is subject to the General Provisions in accordance with Resolution No. 832 of the District.

Effective Date: Effective for all energy usage, basic charges and minimums billed on or after the above referenced date.

*Revised 04/10/01 – Resolution No. 1209
Revised 10/30/01 – Resolution No. 1225
Revised 05/04/10 – Resolution No. 1506
Revised 07/30/13 – Resolution No. 1567*

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SERVICE SCHEDULE NO. 8

STREET LIGHTING

Service Character: Lighting systems under this schedule shall be constructed to District specifications, shall be non-filament type, and shall be unmetered. The District will provide, own, and maintain lights on District owned or approved customer poles. Service voltage must be available or customer shall prepay additional cost to provide along with any additional facilities needed or requested.

Applicable: To any publicly owned organization constituted by State law for lighting of streets, alleys and thoroughfares.

Monthly Rates:

September 1, 2013

8,000 Lumen (175W MVP or 100W HPS) (MVP \approx 67 kWh, HPS \approx 47 kWh)	\$7.00
22, 000 Lumen (400W MVP or 200W HPS) (MVP \approx 150 kWh, HPS \approx 90 kWh)	\$10.70

Maintenance: The District will maintain all lighting facilities owned by the District; however, any repair or replacement of lighting facilities resulting from vandalism shall be billed to the customer at District cost.

After notification of lights out, the district will perform maintenance only during regular working hours and not later than the next regular work day except as follows:

1. If the customer requests and agrees to pay overtime costs, less regular cost, for maintenance outside regular hours.
2. If an entire street light circuit is out the District may, at its discretion, provide maintenance without charge outside regular working hours.

Special Facilities: Contracts may be arranged for street lighting facilities that do not meet District specifications. The District may also agree to perform maintenance on customer owned street lighting systems with all work being billed to the customer at District cost.

General Provisions: Service under this schedule is subject to the General Provisions in accordance with Resolution No. 832 of the District.

Effective Date: Effective for all energy usage, basic charges and minimums billed on or after the above referenced date.

*Revised 12/28/99 – Resolution No. 1183
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Revised 07/30/13 – Resolution No. 1567*