

Direct Testimony and Schedules  
Steven V. Huso

Before the North Dakota Public Utilities Commission  
State of North Dakota

In the Matter of the Application of Northern States Power Company  
for Authority to Increase Rates for Electric Service in North Dakota

Case No. PU-12-\_\_\_\_  
Exhibit\_\_\_\_(SVH-1)

**Rate Design**

December 18, 2012

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1 **I. INTRODUCTION**

2

3 Q. PLEASE STATE YOUR NAME AND OCCUPATION.

4 A. My name is Steven V. Huso. I am a Pricing Consultant in Regulatory  
5 Administration for Northern States Power Company Minnesota (NSPM or  
6 the Company).

7

8 Q. PLEASE SUMMARIZE YOUR QUALIFICATIONS AND EXPERIENCE.

9 A. I have 33 years of electric pricing experience with Northern States Power  
10 Company and Xcel Energy Inc., which includes rate design, revenue  
11 determinations, and cost allocations for the utility operating subsidiaries of Xcel  
12 Energy Inc. My qualifications and experience are further described in  
13 Exhibit\_\_\_(SVH-1), Schedule 1.

14

15 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?

16 A. I present the Company's proposed rate-revenue analysis and class-revenue  
17 responsibility. The Company's proposed rate design also includes specific  
18 proposals that are addressed by Company witness Mr. Michael A. Peppin.  
19 Finally, I am sponsoring the Company's proposed rate schedules and tariffs,  
20 including our proposed Transmission Cost Recovery (TCR) Rider and the rate  
21 design for recovery of any future TCR revenue requirements. Company  
22 witness Ms. Laura McCarten identifies the need for the TCR Rider and  
23 Company witness Ms. Anne E. Heuer identifies how the TCR revenue  
24 requirement would be determined and how the TCR Rider would be  
25 implemented. A summary of the proposed tariff changes, along with both  
26 redlined and non-redlined versions of the tariff sheets, are provided in Volume  
27 2 of this application. The summary of the tariff changes proposed in this case

1 is included as Exhibit\_\_\_\_(SVH-1), Schedule 8. I am also sponsoring the  
2 following schedules included with the NOTICE OF CHANGE IN RATES FOR  
3 ELECTRIC SERVICE:

4 Schedule 2 – Sales and Revenue by Rate Schedule

5 Schedule 3 – Comparison of Present and Proposed Rates

6 Schedule 4 – Comparison of Bills at Present and Proposed Rates

7 Each of these schedules can be found Under the Tab “Deficiency & Proposed  
8 Revenue” in Volume 1 of this application.

9

10 Q. WHAT IS THE BASIS FOR YOUR PROPOSED CLASS REVENUE RESPONSIBILITY AND  
11 RATE DESIGN?

12 A. The Company bases its electric pricing proposals on the following objectives:

- 13 • Produce total revenue equal to test-year revenue requirements, thereby  
14 providing the Company a reasonable opportunity to earn its authorized  
15 return on investment;
- 16 • Accurately reflect the resource costs of providing service and, where  
17 appropriate, the market value of the service;
- 18 • Provide sufficient flexibility in pricing levels and provisions for our  
19 electric service to remain competitive in the broader energy market; and
- 20 • Provide reasonable pricing by considering the importance of rate  
21 continuity, customer understanding, revenue stability, and  
22 administrative practicality.

23

24 Q. HOW IS YOUR TESTIMONY ORGANIZED?

25 A. I present my testimony in the following sections:

- Rate Revenue Analysis;
- Class Revenue Responsibility;
- Rate Design Proposals; and
- Conclusion.

## II. RATE REVENUE ANALYSIS

Q. WHAT ARE THE 2013 TEST YEAR ELECTRIC REVENUES FROM SALES AT PRESENT AND PROPOSED RATE LEVELS?

A. Table 1 below shows 2013 test year revenues at present and proposed rates for the Electric Utility-North Dakota retail jurisdiction. Revenues are separated into two categories: retail rate revenues and other increases. The “other increases” category is the increase in late payment charge revenue from the proposed rate level that is an offset to the proposed retail increase.

**Table 1 - Test-Year Revenue (\$1,000's)**

	Present	Proposed	Proposed Increase	Percent Increase
Retail Rate Revenue	\$182,724	\$199,597	\$16,873	9.23%
+ Other Increases	0	27	27	
Total	\$182,724	\$199,624	\$16,900	9.25%

Company witness Ms. Heuer presents the 2013 test year total revenue deficiency in her Direct Testimony. Present and proposed 2013 test year revenues are based on the application of present and proposed rates to the test-year budgeted sales and customers that are also supported by Ms. Heuer.

1 Q. HAVE YOU PROVIDED MORE DETAILED COMPARISONS OF TEST-YEAR  
2 REVENUES?

3 A. Yes. I prepared the following summary and detailed comparisons of present  
4 and proposed rate revenues:

5 • **Sales and Revenue by Rate Schedule**

6 - Filed as Exhibit\_\_\_\_(SVH-1), Schedule 2;

7 • **Revenue by Rate Class**

8 - Filed as Exhibit\_\_\_\_(SVH-1), Schedule 3; and

9 • **Sales and Revenue by Rate Schedule and Component**

10 - Filed as Exhibit\_\_\_\_(SVH-1), Schedule 4.  
11

12 Q. PLEASE DESCRIBE THE COMPARISONS FILED AS EXHIBIT\_\_\_\_(SVH-1),  
13 SCHEDULE 5 AND EXHIBIT\_\_\_\_(SVH-1), SCHEDULE 6.

14 A. Schedule 5 is a comparison by rate schedule of present and proposed base  
15 rates, including energy charges both with and without fuel costs. Schedule 6 is  
16 a monthly bill comparison by rate schedule of the present and proposed rates  
17 at different usage levels.  
18

19 **III. CLASS REVENUE RESPONSIBILITY**

20  
21 Q. HOW DID YOU DETERMINE THE PROPOSED DISTRIBUTION OF CLASS-REVENUE  
22 RESPONSIBILITY?

23 A. The Company is essentially recommending to move the Residential and C&I  
24 classes to cost in this proceeding, with a more moderate movement to cost for  
25 the Street Lighting class. The Company's embedded Class Cost of Service  
26 Study (CCOSS), sponsored by Company witness Mr. Peppin, shows each  
27 class's share of the overall cost of service. According to the CCOSS, as

1 compared to applying the average retail increase to existing rates, the four  
2 major customer classes are either over or under cost by the following  
3 amounts:

- 4 • Residential: 0.40 percent over cost
- 5 • C&I Non-Demand: 1.03 percent over cost
- 6 • C&I Demand: 0.27 percent under cost
- 7 • Lighting: 7.15 percent under cost

8  
9 These relatively small cost differences support setting rates for the Residential  
10 and C&I classes essentially at the cost of service. The differential for the  
11 Lighting class is larger, so it is appropriate to use a moderated movement to  
12 cost for that class. As explained in more detail in the rate design section of my  
13 testimony, the proposed increase for the Lighting class as a whole is a result of  
14 moderating the significant range of cost differentials for the three categories  
15 within that class.

16  
17 Q. PLEASE COMPARE PRESENT AND PROPOSED REVENUES BY SERVICE CLASS WITH  
18 CLASS REVENUE REQUIREMENTS FROM THE CCOSS.

19 A. Table 2 below compares present and proposed rate revenue and cost levels by  
20 the major CCOSS class categories. The cost figures below correspond to the  
21 adjusted CCOSS revenue requirements which include a credit for increased  
22 late payment charge revenue.

23  
24  
25  
26  
27

**Table 2 - Rate Revenue and Cost by CCOSS Class (\$1,000's)**

<b>Class</b>	<b>Present Revenue</b>	<b>Cost of Service</b>	<b>Cost Increase %</b>	<b>Proposed Revenue</b>	<b>Proposed Increase %</b>
Residential	\$70,465	\$76,693	8.84%	\$76,777	8.96%
Non-Demand	11,575	12,524	8.20%	12,537	8.32%
C&I Demand	98,825	108,216	9.50%	108,334	9.62%
Lighting	1,860	2,164	16.38%	1,948	4.77%
<b>Total Retail</b>	<b>\$182,724</b>	<b>\$199,597</b>	<b>9.23%</b>	<b>\$199,597</b>	<b>9.23%</b>
<b>Total</b>	<b>\$182,724</b>	<b>\$199,624</b>	<b>9.25%</b>	<b>\$199,624</b>	<b>9.25%</b>

Q. IS THE RECOMMENDED REVENUE APPORTIONMENT CONSISTENT WITH THE COMPANY'S PRICING OBJECTIVES?

A. Yes. Relative to the present class revenue apportionment, a movement to cost is relatively small for the Residential and C&I classes. Moving to cost also preserves rate continuity and provides equitable and accurate pricing. The moderated increase for Lighting advances the objectives of rate continuity, and flexibility in pricing.

**IV. RATE DESIGN PROPOSALS**

Q. IS THE COMPANY PROPOSING ANY STRUCTURAL CHANGES TO ITS BASIC RATE STRUCTURE?

A. No. The Company is not proposing any structural changes to its present rate schedules. My rate design testimony associated with the present rate schedules focuses on cost-based changes to the relative levels of different rate components. More specifically, I will address the following subjects:

- Residential and C&I Non-Demand Customer Charges;
- Residential Service;
- C&I Demand Class Rate Design;

- 1 • Lighting Services;
- 2 • Fuel Cost Rider; and
- 3 • TCR Rider.

4

5 **A. Residential and C&I Non-Demand Customer Charges**

6 Q. WHAT IS THE PRIMARY FUNCTION OF A CUSTOMER CHARGE?

7 A. The primary function of a customer charge is to recover the fixed cost of  
8 serving customers. Customer-related costs include metering, service lines,  
9 meter reading, and billing. These costs are not variable with usage. Other  
10 industries include similar customer charges, including cable television and  
11 internet service. When fixed costs are recovered through a fixed customer  
12 charge, costs are more equitably recovered from customers at all usage levels.

13

14 Q. WHAT IS THE FIXED COST OF SERVING CUSTOMERS THAT IS NOT RELATED TO  
15 ENERGY USAGE IN THIS CASE?

16 A. According to the CCOSS, the fixed monthly cost of serving residential  
17 customers is \$14.08 and the monthly fixed cost of serving Small General  
18 Service customers is \$16.28.

19

20 Q. WHAT LEVEL OF CUSTOMER CHARGES IS THE COMPANY PROPOSING IN THIS  
21 CASE FOR RESIDENTIAL SERVICE AND SMALL GENERAL SERVICE CUSTOMERS?

22 A. We are proposing a moderate increase of \$1.00 that will move customer  
23 charges closer to cost. Our proposed customer charges for Residential Service  
24 and Small General Service customers are shown in Table 3 below.

25  
26  
27

**Table 3 – Residential, Small General Service Customer Charges**

<b>Service Category</b>	<b>Present</b>	<b>Proposed</b>
Residential Overhead	\$9.00	\$10.00
Residential Underground-Standard	\$11.00	\$12.00
Residential Electric Heating - Overhead	\$12.00	\$13.00
Residential Electric Heating - Underground	\$15.00	\$16.00
Residential Service - Weighted Average	\$10.07	\$11.07
Small General Service	\$12.00	\$13.00

At these proposed customer charge levels, the weighted average Residential customer charge is 79 percent of cost and the Small General Service customer charge is 80 percent of cost.

Q. WHY IS IT IMPORTANT TO MOVE FIXED CUSTOMER CHARGES CLOSER TO COST?

A. When fixed customer charges are set below cost, the difference is recovered in variable energy charges. This results in customers with above-average usage subsidizing the cost of serving those customers with below-average usage.

Q. ARE THERE OTHER CUSTOMER BENEFITS FROM MOVING CLOSER TO COST-BASED CUSTOMER CHARGES?

Yes. Customers will benefit from our proposed customer charges because their monthly bills will be less sensitive to weather variations. Also, customers with electric water heating or clothes dryers, for example, will pay lower subsidies as a result of the above average usage related to those appliances.

Q. GIVEN THESE BENEFITS, WHY HAS THE COMPANY ONLY PROPOSED A MODERATE MOVE TOWARD COST?

A. The current average Residential Service customer charge is 28 percent below cost. Our proposed customer charges will move rates closer to the cost of

1 service while maintaining rate continuity. This is a reasonable approach that  
2 balances cost of service with other rate design objectives.

3  
4 Q. DOES A HIGHER CUSTOMER CHARGE HURT CONSERVATION EFFORTS?

5 A. No. While moving the fixed customer charge closer to cost does lead to a  
6 decrease in variable energy charge portion of customers' bills, the overall  
7 magnitude of the shift is unlikely to generate a strong enough price signal to  
8 change behavior. Residential customers are often more focused on their  
9 overall bill than on its individual components, and make their conservation  
10 decisions accordingly.

11  
12 **B. Residential Service**

13 Q. PLEASE DESCRIBE THE PROPOSED RATE DESIGN FOR RESIDENTIAL SERVICE  
14 OTHER THAN CUSTOMER CHARGES.

15 A. The proposed Residential Service tariff retains the present design structure,  
16 including the distinction for electric space heating. After crediting the  
17 proposed customer charge revenue against the class revenue allocation,  
18 Residential energy charges are calculated by considering a seasonal differential  
19 and the Residential cost of service distinction for electric space heating. Based  
20 on cost of service distinctions and customer charges that are closer to cost,  
21 customers with electric space heating have lower energy charges during the  
22 non-summer months of October through May. In order to continue  
23 following the overall cost of service differential for electric space heating  
24 service, the overall proposed Residential Service increase of 8.9 percent was  
25 distributed as a 9.2 percent increase for standard non-heating service and 8.4  
26 percent increase for electric space heating service. The 0.8 percent differential  
27 was based on the corresponding test-year 2013 cost of service differential,

1 which is 0.9 percent.

2  
3 **C. C&I Demand Class Rate Design**

4 Q. HOW DID YOU DEVELOP THE PROPOSED RATE DESIGN FOR THE C&I DEMAND  
5 CLASS?

6 A. I started by calculating the proposed base energy charge, which is not time-  
7 differentiated and is the same for all non time-of-day tariffs in the C&I  
8 Demand class. The base energy charge is calculated using C&I Demand class  
9 energy costs and energy-related capacity costs at the secondary voltage level,  
10 which is consistent with the Company's stratification approach supported by  
11 Mr. Peppin for allocating production plant to customer classes. Next, the cost  
12 of fuel was subtracted from the base energy charge, because fuel and  
13 purchased energy costs are recovered separately, and the resulting net cost was  
14 increased by an additional amount to recover the average cost of the Energy  
15 Charge Credit (ECC). The ECC cost is equal to the proposed ECC per kWh  
16 times the 11.8 percent of sales that qualify for the ECC. Finally, the resulting  
17 base energy charge was increased by 0.079 cents per kWh to moderate the  
18 increases otherwise required in the demand charge.

19  
20 Q. ARE GENERAL TIME OF DAY (TOD) SERVICE ENERGY CHARGES DERIVED  
21 FROM THE GENERAL SERVICE ENERGY CHARGE?

22 A. Yes. The General TOD Service base energy charges are the result of  
23 separating the General Service base energy charge into on-peak and off-peak  
24 components by using a TOD ratio. The level of the General TOD Service  
25  
26

1 base energy charges is set equivalent to the non-TOD charge then weighted by  
2 the on-peak and off-peak kWh sales percentages for the C&I Demand class.

3  
4 Q. WHAT TOD RATIO DID YOU USE TO SEPARATE THE GENERAL SERVICE BASE  
5 ENERGY CHARGE INTO THE GENERAL TOD SERVICE BASE ENERGY CHARGES?

6 A. In this case, I used a TOD ratio of on-peak to off-peak base energy charges  
7 (Energy Ratio) based on the system-weighted average of marginal energy costs  
8 for the four summer months of the test year. This results in an Energy Ratio  
9 of 1.82 to 1.

10  
11 Q. HAS THE COMPANY ALWAYS CALCULATED THE ENERGY RATIO BASED ON THE  
12 FOUR SUMMER MONTHS OF THE TEST YEAR?

13 A. No. One of the goals in designing rates for General TOD Service is to  
14 maintain reasonable continuity in the relationship between on-peak and off-  
15 peak charges, as measured by the TOD Combined Ratio. The TOD  
16 Combined Ratio results from combining the Energy Ratio and TOD fuel cost  
17 charges (Fuel Ratio), as shown on Table 4 below. The Fuel Ratio is prescribed  
18 as the marginal energy cost ratio for the full test year, which for the 2013 test  
19 year is a historically low ratio of 1.61 on-peak to 1 off-peak. In this case, the  
20 summer-month Energy Ratio of 1.82 to 1 was used to balance the low Fuel  
21 Ratio to produce a Combined Ratio of 1.71 to 1, which is reasonable and  
22 moderate with respect to past TOD ratios. This approach also has the  
23 advantage of avoiding the excessive influence of what may be a short-term  
24 cost pattern in the Fuel Ratio. A comparison of proposed TOD ratios with  
25 those from past rate cases is shown in Table 4.

26

1 **Table 4 - Comparison of On-Peak Ratios**

Test Year	Energy Ratio	Fuel Ratio	Combined Ratio
2008	1.70	1.70	1.70
2011	1.69	1.63	1.66
2013	1.82	1.61	1.71

2  
3 Q. WHAT IS THE ECC?

4 A. The ECC, which has also been referred to as a high load factor credit, is a  
5 component of demand-metered rates that applies a credit to kWh energy usage  
6 above the 400 hours-use (55 percent load factor) level. The ECC was  
7 originally developed in 1993 to mitigate the effect of our stratification-based  
8 CCOSS driven demand and energy charges on customers with very high load  
9 factors. The ECC is a mathematical device that has the effect of determining  
10 the monthly bills of customers at both standard rates and an equivalent rate  
11 design with higher demand and lower energy charges, and automatically  
12 applies the lower cost option.

13  
14 Q. DOES THE ECC PROVIDE OTHER BENEFITS?

15 A. Yes. The ECC adds precision to two-part TOD energy charges by  
16 recognizing that as a customer's load factor increases, a larger portion of  
17 energy use occurs when system loads and energy costs are at the lowest levels.  
18 The ECC essentially provides much of the benefit of a three-part TOD rate  
19 without its substantially greater complexity.

20  
21 Q. ARE YOU PROPOSING TO CHANGE THE AMOUNT OF THE ECC?

22 A. Yes. The proposed ECC of 1.0¢ per kWh is a 0.1¢ per kWh increase from the  
23 current ECC of 0.9¢ per kWh. This increase is designed to maintain the  
24 relationship of the ECC to the combination of base energy and fuel rates.

1 Q. HOW DID YOU DEVELOP THE PROPOSED DEMAND CHARGES FOR THE C&I  
2 DEMAND CLASS?

3 A. Proposed demand charges were designed to recover the proposed C&I  
4 Demand class revenue requirement that is not recovered through the energy  
5 and customers charges. This approach also recovers the cost of all  
6 interruptible demand charge discounts through demand charges.

7

8 Q. DO THE COMPANY'S PROPOSED DEMAND CHARGES INCLUDE ADDITIONAL  
9 INTERRUPTIBLE DISCOUNTS?

10 A. Yes. Proposed interruptible demand charge discounts were increased by an  
11 average of 5.7 percent to maintain greater consistency with the Company's  
12 rates in its other jurisdictions. The individual proposed increases for the five  
13 currently available interruptible service categories range from 2.3 percent to  
14 7.1 percent, reflecting the different avoided capacity cost values of each  
15 category.

16

17 Q. WHAT IS THE RESULT OF THE C&I DEMAND RATE DESIGN PROCESS ON THE  
18 RELATIVE LEVELS OF PROPOSED DEMAND AND ENERGY CHARGES?

19 A. The application of our proposed cost-based rate design process is that the  
20 proposed demand charges have a higher percent increase than the proposed  
21 energy charges. For firm service at the secondary voltage level, the proposed  
22 percent increase to the average annual demand charge is 5 percent above the  
23 proposed base energy charge increase – based on a 17.1 percent demand  
24 charge increase and a 12.1 percent increase for the combination of base energy  
25 and fuel cost charges.

26

27

1 Q. DOES THE PROPOSED C&I DEMAND RATE DESIGN PRODUCE CUSTOMER BILL  
2 INCREASES THAT VARY BY LOAD FACTOR?

3 A. Yes. There is a lower percent increase in customer bills for customers with  
4 higher load factors than for customers with lower load factors. These  
5 differentials for General Service and General Time of Day Service are shown  
6 in Exhibit\_\_\_\_(SVH-1), Schedule 6, with the different percent increases for  
7 customer load factors at 200, 400 and 600 hours of use. The percent increase  
8 at the 600 hours use level is approximately three percent less than at the 200  
9 hours use level.

10

11 **D. Lighting Services**

12 Q. DO THE PROPOSED LIGHTING RATES RECOGNIZE COST DIFFERENTIALS BY SUB-  
13 CATEGORY WITHIN THE LIGHTING CLASS?

14 A. Yes. The proposed revenue levels were determined by moderately applying  
15 the CCOSS-indicating adjustments for the three lighting sub-categories. Street  
16 lighting for municipal customers includes the System and Energy service cost  
17 categories. System service is full service lighting that includes the lighting  
18 system, energy, maintenance and repairs. The Energy category includes flat-  
19 rate Purchased Equipment services and metered energy-only service.  
20 Protective service is full service security lighting that is available for residential  
21 and commercial customers. The substantial cost increase indicated by the  
22 CCOSS for System service was moderated to a proposed increase of 13.9  
23 percent, or 50 percent above the average retail increase. The cost-based rate  
24 reductions indicated by the CCOSS for the other sub-categories were also  
25 moderated to proposed increases of 1.8 percent for the Energy category and  
26 no increase for Protective lighting. As a result of the moderating limitations  
27 required to manage these individual sub-category cost differences, the overall

1 4.8 percent proposed increase for the Lighting class differs from the 16.4  
2 percent increase supported by the CCOSS.

3  
4 **E. Fuel Cost Rider**

5 Q. HAS THE PROPOSED FUEL COST RIDER BEEN UPDATED FOR THE TEST YEAR  
6 2013?

7 A. Yes. The Service Category Ratio section of the Fuel Cost Rider was updated  
8 to be consistent with test year 2013 information. This update was determined  
9 using the method approved by the Commission in previous rate cases. The  
10 development of these updates is shown in Exhibit\_\_\_\_(SVH-1), Schedule 7.

11  
12 **F. Transmission Cost Recovery Rider**

13 Q. WHAT IS THE PURPOSE OF THE PROPOSED TCR RIDER?

14 A. As indicated by Ms. McCarten, we are proposing a transmission facility cost  
15 rider to provide timely cost recovery of new and modified transmission  
16 investments and related costs not included in base rates. Because we are only  
17 proposing the rider mechanism in this case, the initial TCR Rider rate is set to  
18 zero. Later in 2013 we will separately seek approval to recover these  
19 transmission costs beginning January 1, 2014. Ms. Heuer provides detailed  
20 information on how the costs of qualified transmission facilities will be  
21 determined and the annual mechanism proposed for determining the  
22 appropriate TCR Rider rate along with an annual true-up mechanism. The  
23 proposed TCR Rider is provided in Volume 2 of this application.

24  
25 Q. ONCE A TCR REVENUE REQUIREMENT IS DETERMINED, WHAT RATE DESIGN  
26 DOES THE COMPANY PROPOSE TO USE FOR RECOVERING THAT COST?

27 A. The Company proposes using a single rate per kWh applied to all usage.

1 Using a uniform energy charge effectively applies a consistent cost recovery  
2 charge to all classes and, like interim rates, avoids the complex process of  
3 establishing class specific rates. This administratively straightforward  
4 approach simplifies the implementation, billing and auditing of this cost  
5 recovery process until TCR costs are transferred into base rates in a future rate  
6 case.

7  
8 **V. CONCLUSION**  
9

10 Q. PLEASE SUMMARIZE YOUR TESTIMONY.

11 A. The Company's proposed class revenue allocation and rate design is consistent  
12 with our pricing objectives and our cost of providing service. The cost-based  
13 focus of our overall recommendations will result in fair and reasonable electric  
14 pricing that provides an economically sound distribution of cost responsibility.  
15 Our TCR Rider rate design is appropriately simple and neutral.

16  
17 Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?


18 A. Yes, it does.

1 STATE OF NORTH DAKOTA  
2 BEFORE THE  
3 PUBLIC SERVICE COMMISSION  
4

5  
6 In the Matter of the Application of Northern )  
7 States Power Company, a Minnesota Corporation )  
8 For Authority to Increase Rates for Electric Service ) Case No. PU-12-\_\_\_\_  
9 in North Dakota )

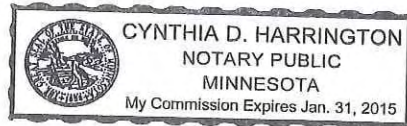
10  
11  
12  
13 **AFFIDAVIT OF**  
14 **Steven V. Huso**  
15

16  
17 I, the undersigned, being duly sworn, depose and say that the foregoing is  
18 the Direct Testimony of the undersigned, and that such Direct Testimony and the  
19 exhibits or schedules sponsored by me to the best of my knowledge, information  
20 and belief, are true, correct, accurate and complete, and I hereby adopt said  
21 testimony as if given by me in formal hearing, under oath.  
22

23  
24   
25 \_\_\_\_\_  
26 Steven V. Huso  
27

28  
29  
30 Subscribed and sworn to before me, this 17<sup>th</sup> day of December, 2012.  
31

32  
33   
34 \_\_\_\_\_  
35 Notary Public  
36



## **Statement of Qualifications and Experience**

### **Steven V. Huso**

I graduated from St. Olaf College in 1976 with a Bachelor of Arts degree in Mathematics and Economics. In 1979, I received a Master of Business Administration degree from the University of St. Thomas.

I have been employed by Northern States Power Company in pricing positions since 1979. I began my current position as a Pricing Consultant in 2000. I held Administrator positions from 1992 until 2000, including two years from 1993 to 1995 with Northern States Power Company-Wisconsin.

My job responsibilities include rate design, revenue determinations, and cost allocations for the utility operating subsidiaries of Xcel Energy. I have presented several papers and have a published book chapter on electric utility pricing issues.

I have sponsored rate design testimony in proceedings before state regulatory commissions in Minnesota, North Dakota, South Dakota, Wisconsin, and Colorado.

**SALES AND REVENUE BY RATE SCHEDULE**

Service Schedule	Average Customers	MWH Sales			Test Year 2013 Revenues (\$1,000's)							
					Summer		Winter		Annual		Increase	
		Summer	Winter	Annual	Present	Proposed	Present	Proposed	Present	Proposed	Amount	Percent
<b>Residential</b>												
Residential	77,036	225,451	553,204	778,654	23,161	25,117	46,928	51,241	70,089	76,358	6,270	8.95%
Residential TOD	27	173	570	743	17	18	41	44	58	62	5	8.30%
Load Management	387	404	4,949	5,353	31	35	287	322	319	356	37	11.76%
<b>Res Total</b>	<b>77,450</b>	<b>226,027</b>	<b>558,723</b>	<b>784,751</b>	<b>23,209</b>	<b>25,170</b>	<b>47,256</b>	<b>51,607</b>	<b>70,465</b>	<b>76,777</b>	<b>6,312</b>	<b>8.96%</b>
<b>C&amp;I - Non-Demand</b>												
Small General	8,162	35,456	83,447	118,902	3,654	3,937	7,295	7,923	10,949	11,859	910	8.31%
Small General TOD	473	1,180	2,597	3,777	145	155	261	282	406	436	31	7.57%
Load Management	86	197	2,050	2,247	16	17	119	133	135	150	15	11.17%
<b>C&amp;I N-D Total</b>	<b>8,721</b>	<b>36,832</b>	<b>88,094</b>	<b>124,926</b>	<b>3,814</b>	<b>4,108</b>	<b>7,675</b>	<b>8,337</b>	<b>11,490</b>	<b>12,445</b>	<b>955</b>	<b>8.32%</b>
<b>C&amp;I - Demand</b>												
General	3,202	231,445	448,673	680,119	21,041	23,047	34,879	38,370	55,921	61,417	5,496	9.83%
General TOD	170	72,232	135,955	208,187	5,398	5,854	9,010	9,798	14,408	15,652	1,244	8.63%
Peak-Controlled	74	13,979	35,923	49,902	1,146	1,274	2,736	3,035	3,882	4,309	427	10.99%
Peak-Controlled TOD	15	38,208	83,336	121,544	2,568	2,791	5,126	5,564	7,694	8,355	661	8.59%
Energy-Controlled	89	94,689	174,331	269,019	5,659	6,233	10,232	11,255	15,891	17,488	1,597	10.05%
Real Time Pricing	0	0	0	0	0	0	0	0	0	0	0	
<b>C&amp;I Dmd Total</b>	<b>3,551</b>	<b>450,553</b>	<b>878,217</b>	<b>1,328,771</b>	<b>35,812</b>	<b>39,198</b>	<b>61,984</b>	<b>68,022</b>	<b>97,796</b>	<b>107,220</b>	<b>9,424</b>	<b>9.64%</b>
<b>C&amp;I Total</b>	<b>12,272</b>	<b>487,386</b>	<b>966,311</b>	<b>1,453,697</b>	<b>39,626</b>	<b>43,307</b>	<b>69,659</b>	<b>76,359</b>	<b>109,286</b>	<b>119,665</b>	<b>10,380</b>	<b>9.50%</b>
<b>Public Authorities</b>												
Small Mun Pumping	91	254	608	862	28	30	56	61	84	91	7	8.30%
Municipal Pumping	97	4,072	8,004	12,076	391	423	638	691	1,029	1,114	85	8.28%
Siren Service	0	0	0	0	0	0	1	1	1	1	0	9.62%
<b>PA Total</b>	<b>187</b>	<b>4,326</b>	<b>8,612</b>	<b>12,938</b>	<b>419</b>	<b>454</b>	<b>695</b>	<b>753</b>	<b>1,114</b>	<b>1,206</b>	<b>92</b>	<b>8.29%</b>
<b>Lighting</b>												
System Service	0	638	1,728	2,366	166	189	341	388	507	577	70	13.88%
Energy	0	3,322	8,995	12,317	289	295	625	637	914	932	18	1.98%
Metered Energy	76	430	1,165	1,596	26	26	68	68	94	94	0	0.01%
Protective Lighting	0	781	2,275	3,057	110	110	235	235	345	345	0	0.03%
<b>Lighting Total</b>	<b>76</b>	<b>5,172</b>	<b>14,163</b>	<b>19,336</b>	<b>590</b>	<b>620</b>	<b>1,269</b>	<b>1,328</b>	<b>1,860</b>	<b>1,948</b>	<b>89</b>	<b>4.77%</b>
<b>Total Retail</b>	<b>89,985</b>	<b>722,911</b>	<b>1,547,810</b>	<b>2,270,721</b>	<b>63,845</b>	<b>69,551</b>	<b>118,879</b>	<b>130,046</b>	<b>182,724</b>	<b>199,597</b>	<b>16,873</b>	<b>9.23%</b>
Other Rev Increase					0	9	0	18	0	27	27	
<b>Total Revenue</b>	<b>89,985</b>	<b>722,911</b>	<b>1,547,810</b>	<b>2,270,721</b>	<b>63,845</b>	<b>69,559</b>	<b>118,879</b>	<b>130,064</b>	<b>182,724</b>	<b>199,624</b>	<b>16,900</b>	<b>9.25%</b>

**REVENUE BY RATE CLASS**

	<b>Revenues (\$1,000's)</b>					
	<b>Total</b>		<b>Base</b>		<b>Fuel</b>	
	<b>Present</b>	<b>Final</b>	<b>Present</b>	<b>Final</b>	<b>Present</b>	<b>Final</b>
Residential Regular	49,457	53,999	34,900	39,508	14,557	14,492
Res Space Heating	21,055	22,825	14,174	15,975	6,881	6,850
Total Residential	70,512	76,825	49,073	55,482	21,438	21,342
Small Comm. & Ind.	86,354	94,637	56,420	64,624	29,934	30,013
Large Comm. & Ind.	23,230	25,326	13,371	15,447	9,859	9,879
Total Comm. & Ind.	109,584	119,963	69,791	80,071	39,793	39,892
Street Lighting	1,515	1,603	1,185	1,277	330	326
Public Authorities	1,114	1,206	755	847	359	360
Total Retail	182,724	199,597	120,805	137,678	61,919	61,919
Other Revenues Incr.		27		27		
Total	182,724	199,624	120,805	137,704	61,919	61,919

	<b>Revenue Increase</b>					
	<b>Total</b>		<b>Base</b>		<b>Fuel</b>	
	<b>Amount</b>	<b>Percent</b>	<b>Amount</b>	<b>Percent</b>	<b>Amount</b>	<b>Percent</b>
Residential Regular	4,543	9.19%	4,608	13.20%	-65	-0.45%
Res Space Heating	1,770	8.41%	1,801	12.71%	-31	-0.45%
Total Residential	6,313	8.95%	6,409	13.06%	-96	-0.45%
Small Comm. & Ind.	8,284	9.59%	8,205	14.54%	79	0.26%
Large Comm. & Ind.	2,095	9.02%	2,075	15.52%	20	0.20%
Total Comm. & Ind.	10,379	9.47%	10,280	14.73%	99	0.25%
Street Lighting	89	5.84%	93	7.81%	-4	-1.21%
Public Authorities	92	8.29%	91	12.09%	1	0.27%
Total Retail	16,873	9.23%	16,873	13.97%	0	0.00%
Other Revenues Incr.	27		27		0	
Total	16,900	9.25%	16,900	13.99%	0	0.00%

**Sales and Revenue by Rate Schedule and Component - Billing Units, Rates (Energy in Mills/kWh), and Revenues (\$1,000's)**

Charge	Units	Billing Units			Present Rate		Ordered Rate		Present Revenues			Proposed Revenues			Increase Annual	Pct Inc. Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
<b>D01 Res OH ResReg Secondary</b>																
Cust Chg	Bills	192,970	384,926	577,895	\$9.00	\$9.00	\$10.00	\$10.00	1,737	3,464	5,201	1,930	3,849	5,779	578	11.1%
Energy	MWH	140,542	279,274	419,817	\$64.66	\$49.97	\$72.33	\$57.33	9,087	13,955	23,043	10,165	16,011	26,176	3,133	13.6%
SvrSwchAC	MWH	30,289	0	30,289	-\$13.78	\$0.00	-\$14.91	\$0.00	-417	0	-417	-452	0	-452	-34	8.2%
SvrSwchWH	MWH	5,118	10,697	15,815	-\$1.84	-\$1.55	-\$1.99	-\$1.69	-9	-17	-26	-10	-18	-28	-2	8.9%
Fuel Cost	MWH	140,542	279,274	419,817	\$27.20	\$27.35	\$27.08	\$27.23	3,822	7,640	11,462	3,805	7,605	11,411	-51	-0.4%
<b>Total:</b>									14,220	25,043	39,263	15,439	27,447	42,886	3,623	9.2%
<b>D01 Res OH ResSH Secondary</b>																
Cust Chg	Bills	71,999	143,884	215,883	\$12.00	\$12.00	\$13.00	\$13.00	864	1,727	2,591	936	1,870	2,806	216	8.3%
Energy	MWH	40,827	165,185	206,011	\$64.66	\$39.97	\$72.33	\$45.83	2,640	6,602	9,242	2,953	7,570	10,523	1,281	13.9%
SvrSwchAC	MWH	4,240	0	4,240	-\$13.78	\$0.00	-\$14.91	\$0.00	-58	0	-58	-63	0	-63	-5	8.2%
SvrSwchWH	MWH	1,715	7,087	8,802	-\$1.84	-\$1.35	-\$1.99	-\$1.46	-3	-10	-13	-3	-10	-14	-1	8.4%
Fuel Cost	MWH	40,827	165,185	206,011	\$27.20	\$27.35	\$27.08	\$27.23	1,110	4,519	5,629	1,105	4,498	5,604	-25	-0.4%
<b>Total:</b>									4,553	12,838	17,391	4,928	13,929	18,857	1,466	8.4%
<b>D03 Res UG ResReg Secondary</b>																
Cust Chg	Bills	34,234	68,288	102,522	\$11.00	\$11.00	\$12.00	\$12.00	377	751	1,128	411	819	1,230	103	9.1%
Energy	MWH	35,639	71,946	107,584	\$64.66	\$49.97	\$72.33	\$57.33	2,304	3,595	5,900	2,578	4,125	6,702	803	13.6%
SvrSwchAC	MWH	10,341	0	10,341	-\$13.78	\$0.00	-\$14.91	\$0.00	-142	0	-142	-154	0	-154	-12	8.2%
SvrSwchWH	MWH	1,447	2,835	4,282	-\$1.84	-\$1.55	-\$1.99	-\$1.69	-3	-4	-7	-3	-5	-8	-1	8.9%
Fuel Cost	MWH	35,639	71,946	107,584	\$27.20	\$27.35	\$27.08	\$27.23	969	1,968	2,937	965	1,959	2,924	-13	-0.4%
<b>Total:</b>									3,505	6,310	9,815	3,796	6,899	10,695	880	9.0%
<b>D03 Res UG ResSH Secondary</b>																
Cust Chg	Bills	9,381	18,748	28,129	\$14.00	\$14.00	\$15.00	\$15.00	131	262	394	141	281	422	28	7.1%
Energy	MWH	8,443	36,799	45,242	\$64.66	\$39.97	\$72.33	\$45.83	546	1,471	2,017	611	1,686	2,297	280	13.9%
SvrSwchAC	MWH	1,666	0	1,666	-\$13.78	\$0.00	-\$14.91	\$0.00	-23	0	-23	-25	0	-25	-2	8.2%
SvrSwchWH	MWH	535	2,096	2,630	-\$1.84	-\$1.35	-\$1.99	-\$1.46	-1	-3	-4	-1	-3	-4	0	8.4%
Fuel Cost	MWH	8,443	36,799	45,242	\$27.20	\$27.35	\$27.08	\$27.23	230	1,007	1,236	229	1,002	1,231	-6	-0.4%
<b>Total:</b>									883	2,737	3,620	954	2,967	3,921	301	8.3%
<b>D02 Res TOD OH ResReg Secondary</b>																
Cust Chg	Bills	37	74	112	\$11.00	\$11.00	\$12.00	\$12.00	0.41	0.82	1.23	0.45	0.89	1.34	0.11	9.1%
Energy	On MWH	13	34	47	\$136.34	\$96.85	\$149.88	\$109.77	1.77	3.28	5.05	1.95	3.72	5.67	0.61	12.1%
Energy	Off MWH	25	86	111	\$22.20	\$22.20	\$26.00	\$26.00	0.54	1.92	2.46	0.64	2.24	2.88	0.42	17.1%
Fuel Cost	MWH	38	120	158	\$27.20	\$27.35	\$27.08	\$27.23	1.02	3.29	4.31	1.02	3.27	4.29	-0.02	-0.4%
<b>Total:</b>									3.75	9.30	13.05	4.05	10.13	14.18	1.13	8.6%

**Sales and Revenue by Rate Schedule and Component - Billing Units, Rates (Energy in Mills/kWh), and Revenues (\$1,000's)**

Charge	Units	Billing Units			Present Rate		Ordered Rate		Present Revenues			Proposed Revenues			Increase Annual	Pct Inc. Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
<b>D02 Res TOD OH ResSH Secondary</b>																
Cust Chg	Bills	58	116	175	\$14.00	\$14.00	\$15.00	\$15.00	0.82	1.63	2.44	0.87	1.75	2.62	0.17	7.1%
Energy	On MWH	41	121	162	\$136.34	\$72.12	\$149.88	\$81.70	5.64	8.73	14.37	6.20	9.89	16.09	1.72	12.0%
Energy	Off MWH	79	269	348	\$22.20	\$22.20	\$26.00	\$26.00	1.75	5.97	7.72	2.05	6.99	9.04	1.32	17.1%
Fuel Cost	MWH	120	390	510	\$27.20	\$27.35	\$27.08	\$27.23	3.27	10.67	13.93	3.25	10.62	13.87	-0.06	-0.4%
<b>Total:</b>									11.47	26.99	38.46	12.37	29.24	41.62	3.15	8.2%
<b>D04 Res TOD UG ResReg Secondary</b>																
Cust Chg	Bills	4	8	12	\$13.00	\$13.00	\$14.00	\$14.00	0.05	0.11	0.16	0.06	0.12	0.17	0.01	7.7%
Energy	On MWH	0	0	0	\$136.34	\$96.85	\$149.88	\$109.77	0.02	0.03	0.05	0.02	0.03	0.06	0.01	11.9%
Energy	Off MWH	1	3	4	\$22.20	\$22.20	\$26.00	\$26.00	0.02	0.06	0.08	0.02	0.07	0.09	0.01	17.1%
Fuel Cost	MWH	1	3	4	\$27.20	\$27.35	\$27.08	\$27.23	0.03	0.08	0.11	0.03	0.08	0.11	0.00	-0.4%
<b>Total:</b>									0.12	0.28	0.40	0.13	0.30	0.44	0.03	7.9%
<b>D04 Res TOD UG ResSH Secondary</b>																
Cust Chg	Bills	8	16	23	\$16.00	\$16.00	\$17.00	\$17.00	0.12	0.25	0.37	0.13	0.26	0.40	0.02	6.3%
Energy	On MWH	6	20	27	\$136.34	\$72.12	\$149.88	\$81.70	0.84	1.47	2.31	0.93	1.66	2.59	0.28	12.1%
Energy	Off MWH	8	37	45	\$22.20	\$22.20	\$26.00	\$26.00	0.18	0.81	1.00	0.22	0.95	1.17	0.17	17.1%
Fuel Cost	MWH	14	57	72	\$27.20	\$27.35	\$27.08	\$27.23	0.39	1.56	1.96	0.39	1.55	1.95	-0.01	-0.4%
<b>Total:</b>									1.55	4.09	5.64	1.67	4.44	6.10	0.46	8.2%
<b>D05 EnergyCtrl N/D ResReg Secondary</b>																
Cust Chg	Bills	1,116	2,226	3,342	\$4.20	\$4.20	\$4.60	\$4.60	5	9	14	5	10	15	1	9.5%
Energy	MWH	265	3,366	3,631	\$29.34	\$29.34	\$36.63	\$36.63	8	99	107	10	123	133	26	24.8%
Opt Energy	MWH	73	821	894	\$64.66	\$29.34	\$72.33	\$36.63	5	24	29	5	30	35	7	22.7%
Fuel Cost	MWH	338	4,187	4,525	\$27.20	\$27.35	\$27.08	\$27.23	9	115	124	9	114	123	-1	-0.4%
<b>Total:</b>									26	247	273	29	278	307	34	12.4%
<b>D05 EnergyCtrl N/D Sm C&amp;I Secondary</b>																
Cust Chg	Bills	192	383	574	\$4.20	\$4.20	\$4.60	\$4.60	1	2	2	1	2	3	0	9.5%
Energy	MWH	73	992	1,065	\$29.34	\$29.34	\$36.63	\$36.63	2	29	31	3	36	39	8	24.8%
Opt Energy	MWH	84	409	493	\$64.68	\$29.34	\$71.59	\$36.63	5	12	17	6	15	21	4	20.4%
Fuel Cost	MWH	157	1,401	1,558	\$27.89	\$28.05	\$28.02	\$28.19	4	39	44	4	39	44	0	0.5%
<b>Total:</b>									13	82	95	14	93	107	12	12.4%
<b>D10 Limited Off-Peak ResReg Secondary</b>																
Cust Chg	Bills	436	869	1,305	\$4.20	\$4.20	\$4.60	\$4.60	2	4	5	2	4	6	1	9.5%
Energy	On MWH	1	7	8	\$240.00	\$240.00	\$260.00	\$260.00	0	2	2	0	2	2	0	8.3%
Energy	Off MWH	65	756	820	\$19.20	\$19.20	\$23.00	\$23.00	1	15	16	1	17	19	3	19.8%
Fuel Cost	MWH	66	763	828	\$27.20	\$27.35	\$27.08	\$27.23	2	21	23	2	21	23	0	-0.4%
<b>Total:</b>									5	41	46	6	44	49	4	8.1%

**Sales and Revenue by Rate Schedule and Component - Billing Units, Rates (Energy in Mills/kWh), and Revenues (\$1,000's)**

Charge	Units	Billing Units			Present Rate		Ordered Rate		Present Revenues			Proposed Revenues			Increase Annual	Pct Inc. Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
<b>D10 Limited Off-Peak Sm C&amp;I Secondary</b>																
Cust Chg	Bills	102	204	306	\$4.20	\$4.20	\$4.60	\$4.60	0	1	1	0	1	1	0	9.5%
Cust Chg	Bills	49	98	146	\$6.00	\$6.00	\$6.50	\$6.50	0	1	1	0	1	1	0	8.3%
Cust Chg	Bills	0	0	0	\$30.00	\$30.00	\$30.00	\$30.00	0	0	0	0	0	0	0	0.0%
Energy	On MWH	1	23	24	\$240.00	\$240.00	\$260.00	\$260.00	0	5	6	0	6	6	0	8.3%
Energy-1S	Off MWH	26	420	446	\$19.20	\$19.20	\$23.00	\$23.00	1	8	9	1	10	10	2	19.8%
Energy-3S	Off MWH	13	207	219	\$19.20	\$19.20	\$23.00	\$23.00	0	4	4	0	5	5	1	19.8%
Energy-P	Off MWH	0	0	0	\$18.25	\$18.25	\$21.99	\$21.99	0	0	0	0	0	0	0	0.0%
Fuel Cost	MWH	40	649	689	\$27.89	\$28.05	\$28.02	\$28.19	1	18	19	1	18	19	0	0.5%
<b>Total:</b>									3	37	40	3	40	43	3	8.2%
<b>D12 SmallGen Sm C&amp;I Secondary</b>																
Cust Chg	Bills	32,693	65,252	97,945	\$12.00	\$12.00	\$13.00	\$13.00	392	783	1,175	425	848	1,273	98	8.3%
Energy	MWH	35,456	83,447	118,902	\$64.68	\$49.99	\$71.59	\$56.59	2,293	4,171	6,465	2,538	4,722	7,261	796	12.3%
SvrSwchAC	Tons	4,070	0	4,070	-\$5.00	\$0.00	-\$5.00	\$0.00	-20	0	-20	-20	0	-20	0	0.0%
Fuel Cost	MWH	35,456	83,447	118,902	\$27.89	\$28.05	\$28.02	\$28.19	989	2,341	3,330	994	2,352	3,346	16	0.5%
<b>Total:</b>									3,654	7,295	10,949	3,937	7,923	11,859	910	8.3%
<b>D40 Small Mun Pumping Public Auth Secondary</b>																
Cust Chg	Bills	364	724	1,087	\$12.00	\$12.00	\$13.00	\$13.00	4	9	13	5	9	14	1	8.3%
Energy	MWH	254	608	862	\$64.68	\$49.99	\$71.59	\$56.59	16	30	47	18	34	53	6	12.3%
Fuel Cost	MWH	254	608	862	\$27.89	\$28.05	\$28.02	\$28.19	7	17	24	7	17	24	0	0.5%
<b>Total:</b>									28	56	84	30	61	91	7	8.3%
<b>D14 SmallGen TOD Sm C&amp;I Secondary</b>																
Cust Chg	Bills	1,379	2,751	4,130	\$14.00	\$14.00	\$15.00	\$15.00	19	39	58	21	41	62	4	7.1%
Energy	On MWH	571	1,149	1,720	\$114.55	\$82.61	\$123.52	\$91.43	65	95	160	71	105	176	15	9.5%
Energy	Off MWH	389	992	1,381	\$22.20	\$22.20	\$26.00	\$26.00	9	22	31	10	26	36	5	17.1%
SvrSwchAC	Tons	0	0	0	-\$5.00	\$0.00	-\$5.00	\$0.00	0	0	0	0	0	0	0	0.0%
Fuel Cost	MWH	960	2,141	3,101	\$27.89	\$28.05	\$28.02	\$28.19	27	60	87	27	60	87	0	0.5%
<b>Total:</b>									120	215	336	128	232	361	25	7.5%
<b>D18 SGS TOD kWh Mtr Sm C&amp;I Secondary</b>																
Cust Chg	Bills	159	318	477	\$9.00	\$9.00	\$10.00	\$10.00	1	3	4	2	3	5	0	11.1%
Cust Chg	Bills	359	716	1,075	\$12.00	\$12.00	\$13.00	\$13.00	4	9	13	5	9	14	1	8.3%
LwWattSm	Bills	2,604	5,208	7,812	\$0.27	\$0.27	\$0.30	\$0.30	1	1	2	1	2	2	0	11.1%
Energy	MWH	219	456	675	\$54.52	\$43.34	\$60.13	\$48.90	12	20	32	13	22	35	4	11.9%
Fuel Cost	MWH	219	456	675	\$27.89	\$28.05	\$28.02	\$28.19	6	13	19	6	13	19	0	0.5%
<b>Total:</b>									25	45	70	26	49	76	6	8.1%

**Sales and Revenue by Rate Schedule and Component - Billing Units, Rates (Energy in Mills/kWh), and Revenues (\$1,000's)**

Charge	Units	Billing Units			Present Rate		Ordered Rate		Present Revenues			Proposed Revenues			Increase Annual	Pct Inc. Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
<b>D16 General Sm C&amp;I Secondary</b>																
Cust Chg	Bills	12,749	25,446	38,196	\$22.00	\$22.00	\$24.35	\$24.35	280	560	840	310	620	930	90	10.7%
Energy	MWH	210,955	410,946	621,902	\$25.46	\$25.46	\$28.54	\$28.54	5,371	10,463	15,834	6,020	11,728	17,748	1,914	12.1%
Energy Cr	MWH	9,299	23,235	32,533	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-84	-209	-293	-93	-232	-325	-33	11.1%
SvrSwthAC	Tons	14,622	0	14,622	-\$5.00	\$0.00	-\$5.00	\$0.00	-73	0	-73	-73	0	-73	0	0.0%
Demand	KW	689,275	1,275,733	1,965,008	\$11.70	\$7.90	\$13.40	\$9.40	8,065	10,078	18,143	9,236	11,992	21,228	3,085	17.0%
Fuel Cost	MWH	210,955	410,946	621,902	\$27.70	\$27.70	\$27.77	\$27.77	5,843	11,382	17,225	5,858	11,411	17,269	45	0.3%
<b>Total:</b>									19,402	32,274	51,676	21,259	35,518	56,777	5,101	9.9%
<b>D16 General Lg C&amp;I Secondary</b>																
Cust Chg	Bills	4	8	12	\$22.00	\$22.00	\$24.35	\$24.35	0	0	0	0	0	0	0	10.7%
Energy	MWH	9,067	16,430	25,496	\$25.46	\$25.46	\$28.54	\$28.54	231	418	649	259	469	728	78	12.1%
Energy Cr	MWH	714	1,417	2,130	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-6	-13	-19	-7	-14	-21	-2	11.1%
SvrSwthAC	Tons	0	0	0	-\$5.00	\$0.00	-\$5.00	\$0.00	0	0	0	0	0	0	0	0.0%
Demand	KW	25,475	44,072	69,547	\$11.70	\$7.90	\$13.40	\$9.40	298	348	646	341	414	756	109	16.9%
Fuel Cost	MWH	9,067	16,430	25,496	\$27.70	\$27.70	\$27.77	\$27.77	251	455	706	252	456	708	2	0.3%
<b>Total:</b>									774	1,209	1,983	845	1,325	2,170	188	9.5%
<b>D41 Municipal Pumping Public Auth Secondary</b>																
Cust Chg	Bills	387	771	1,159	\$22.00	\$22.00	\$24.35	\$24.35	9	17	25	9	19	28	3	10.7%
Energy	MWH	4,072	8,004	12,076	\$25.46	\$25.46	\$28.54	\$28.54	104	204	307	116	228	345	37	12.1%
Energy Cr	MWH	566	1,113	1,679	\$0.00	\$0.00	-\$10.00	-\$10.00	0	0	0	-6	-11	-17	-17	0.0%
Demand	KW	14,189	24,768	38,956	\$11.70	\$7.90	\$13.40	\$9.40	166	196	362	190	233	423	61	16.9%
Fuel Cost	MWH	4,072	8,004	12,076	\$27.70	\$27.70	\$27.77	\$27.77	113	222	334	113	222	335	1	0.3%
<b>Total:</b>									391	638	1,029	423	691	1,114	85	8.3%
<b>D16 General Sm C&amp;I Primary</b>																
Cust Chg	Bills	65	130	195	\$22.00	\$22.00	\$24.35	\$24.35	1	3	4	2	3	5	0	10.7%
Energy	MWH	2,243	4,848	7,091	\$24.51	\$24.51	\$27.53	\$27.53	55	119	174	62	133	195	21	12.3%
Energy Cr	MWH	233	751	984	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-2	-7	-9	-2	-8	-10	-1	11.1%
SvrSwthAC	Tons	0	0	0	-\$5.00	\$0.00	-\$5.00	\$0.00	0	0	0	0	0	0	0	0.0%
Demand	KW	6,311	11,895	18,206	\$11.08	\$7.28	\$12.80	\$8.80	70	87	157	81	105	185	29	18.5%
Fuel Cost	MWH	2,243	4,848	7,091	\$27.70	\$27.70	\$27.77	\$27.77	62	134	196	62	135	197	1	0.3%
<b>Total:</b>									186	336	522	204	368	573	50	9.6%

**Sales and Revenue by Rate Schedule and Component - Billing Units, Rates (Energy in Mills/kWh), and Revenues (\$1,000's)**

Charge	Units	Billing Units			Present Rate		Ordered Rate		Present Revenues			Proposed Revenues			Increase Annual	Pct Inc. Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
<b>D16 General Lg C&amp;I Primary</b>																
Cust Chg	Bills	8	16	24	\$22.00	\$22.00	\$24.35	\$24.35	0	0	1	0	0	1	0	10.7%
Energy	MWH	9,181	16,449	25,629	\$24.51	\$24.51	\$27.53	\$27.53	225	403	628	253	453	706	77	12.3%
Energy Cr	MWH	1,983	4,429	6,412	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-18	-40	-58	-20	-44	-64	-6	11.1%
SvrSwchAC	Tons	0	0	0	-\$5.00	\$0.00	-\$5.00	\$0.00	0	0	0	0	0	0	0	0.0%
Demand	KW	19,644	33,209	52,853	\$11.08	\$7.28	\$12.80	\$8.80	218	242	459	251	292	544	84	18.3%
Fuel Cost	MWH	9,181	16,449	25,629	\$27.70	\$27.70	\$27.77	\$27.77	254	456	710	255	457	712	2	0.3%
<b>Total:</b>									679	1,061	1,740	739	1,158	1,897	157	9.0%
<b>D17 General TOD Sm C&amp;I Secondary</b>																
Cust Chg	Bills	648	1,294	1,943	\$25.00	\$25.00	\$27.35	\$27.35	16	32	49	18	35	53	5	9.4%
Energy	On MWH	15,316	28,832	44,148	\$33.34	\$33.34	\$38.46	\$38.46	511	961	1,472	589	1,109	1,698	226	15.4%
Energy	Off MWH	25,298	49,397	74,695	\$19.73	\$19.73	\$21.13	\$21.13	499	975	1,474	535	1,044	1,578	105	7.1%
Energy Cr	MWH	6,937	14,137	21,073	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-62	-127	-190	-69	-141	-211	-21	11.1%
SvrSwchAC	Tons	918	0	918	-\$5.00	\$0.00	-\$5.00	\$0.00	-5	0	-5	-5	0	-5	0	0.0%
Demand	KW	86,894	163,809	250,703	\$11.70	\$7.90	\$13.40	\$9.40	1,017	1,294	2,311	1,164	1,540	2,704	393	17.0%
Off Dmd	KW	1,878	4,964	6,841	\$1.40	\$1.40	\$1.50	\$1.50	3	7	10	3	7	10	1	7.1%
Fuel Cost	On MWH	15,316	28,832	44,148	\$35.09	\$35.09	\$34.90	\$34.90	537	1,012	1,549	534	1,006	1,541	-8	-0.5%
Fuel Cost	Off MWH	25,298	49,397	74,695	\$21.49	\$21.49	\$21.69	\$21.69	544	1,061	1,605	549	1,071	1,620	15	0.9%
<b>Total:</b>									3,059	5,215	8,274	3,318	5,671	8,989	715	8.6%
<b>D17 General TOD Lg C&amp;I Secondary</b>																
Cust Chg	Bills	8	16	24	\$25.00	\$25.00	\$27.35	\$27.35	0	0	1	0	0	1	0	9.4%
Energy	On MWH	9,471	18,721	28,193	\$33.34	\$33.34	\$38.46	\$38.46	316	624	940	364	720	1,084	144	15.4%
Energy	Off MWH	13,182	25,527	38,710	\$19.73	\$19.73	\$21.13	\$21.13	260	504	764	279	539	818	54	7.1%
Energy Cr	MWH	4,235	9,624	13,859	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-38	-87	-125	-42	-96	-139	-14	11.1%
SvrSwchAC	Tons	0	0	0	-\$5.00	\$0.00	-\$5.00	\$0.00	0	0	0	0	0	0	0	0.0%
Demand	KW	46,959	86,918	133,877	\$11.70	\$7.90	\$13.40	\$9.40	549	687	1,236	629	817	1,446	210	17.0%
Off Dmd	KW	24	221	245	\$1.40	\$1.40	\$1.50	\$1.50	0	0	0	0	0	0	0	7.1%
Fuel Cost	On MWH	9,471	18,721	28,193	\$35.09	\$35.09	\$34.90	\$34.90	332	657	989	331	653	984	-5	-0.5%
Fuel Cost	Off MWH	13,182	25,527	38,710	\$21.49	\$21.49	\$21.69	\$21.69	283	548	832	286	554	840	8	0.9%
<b>Total:</b>									1,703	2,934	4,637	1,846	3,188	5,034	398	8.6%

**Sales and Revenue by Rate Schedule and Component - Billing Units, Rates (Energy in Mills/kWh), and Revenues (\$1,000's)**

Charge	Units	Billing Units			Present Rate		Ordered Rate		Present Revenues			Proposed Revenues			Increase Annual	Pct Inc. Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
<b>D17 General TOD Sm C&amp;I Primary</b>																
Cust Chg	Bills	16	33	49	\$25.00	\$25.00	\$27.35	\$27.35	0	1	1	0	1	1	0	9.4%
Energy	On MWH	963	1,650	2,613	\$32.39	\$32.39	\$37.45	\$37.45	31	53	85	36	62	98	13	15.6%
Energy	Off MWH	1,639	2,657	4,297	\$18.78	\$18.78	\$20.12	\$20.12	31	50	81	33	53	86	6	7.1%
Energy Cr	MWH	465	685	1,150	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-4	-6	-10	-5	-7	-11	-1	11.1%
SvrSwchAC	Tons	0	0	0	-\$5.00	\$0.00	-\$5.00	\$0.00	0	0	0	0	0	0	0	0.0%
Demand	KW	5,261	9,562	14,823	\$11.08	\$7.28	\$12.80	\$8.80	58	70	128	67	84	151	24	18.4%
Off Dmd	KW	1	308	309	\$0.78	\$0.78	\$0.90	\$0.90	0	0	0	0	0	0	0	15.4%
Fuel Cost	On MWH	963	1,650	2,613	\$35.09	\$35.09	\$34.90	\$34.90	34	58	92	34	58	91	0	-0.5%
Fuel Cost	Off MWH	1,639	2,657	4,297	\$21.49	\$21.49	\$21.69	\$21.69	35	57	92	36	58	93	1	0.9%
<b>Total:</b>									186	283	468	201	309	510	42	9.0%
<b>D17 General TOD Lg C&amp;I Primary</b>																
Cust Chg	Bills	8	16	24	\$25.00	\$25.00	\$27.35	\$27.35	0	0	1	0	0	1	0	9.4%
Energy	MWH	2,486	3,570	6,056	\$32.39	\$32.39	\$37.45	\$37.45	81	116	196	93	134	227	31	15.6%
Energy	On MWH	3,876	5,600	9,475	\$18.78	\$18.78	\$20.12	\$20.12	73	105	178	78	113	191	13	7.1%
Energy Cr	Off MWH	1,281	1,752	3,033	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-12	-16	-27	-13	-18	-30	-3	11.1%
SvrSwchAC	Tons	0	0	0	-\$5.00	\$0.00	-\$5.00	\$0.00	0	0	0	0	0	0	0	0.0%
Demand	KW	12,414	17,548	29,962	\$11.08	\$7.28	\$12.80	\$8.80	138	128	265	159	154	313	48	18.1%
Off Dmd	KW	0	16	16	\$0.78	\$0.78	\$0.90	\$0.90	0	0	0	0	0	0	0	15.4%
Fuel Cost	On MWH	2,486	3,570	6,056	\$35.09	\$35.09	\$34.90	\$34.90	87	125	212	87	125	211	-1	-0.5%
Fuel Cost	Off MWH	3,876	5,600	9,475	\$21.49	\$21.49	\$21.69	\$21.69	83	120	204	84	121	206	2	0.9%
<b>Total:</b>									450	579	1,029	488	630	1,118	89	8.7%
<b>D20 Peak-Ctrl Tier Sm C&amp;I Secondary</b>																
Cust Chg	Bills	294	586	880	\$50.00	\$50.00	\$54.00	\$54.00	15	29	44	16	32	48	4	8.0%
Energy	MWH	13,341	34,124	47,465	\$25.46	\$25.46	\$28.54	\$28.54	340	869	1,208	381	974	1,355	146	12.1%
Energy Cr	MWH	234	728	962	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-2	-7	-9	-2	-7	-10	-1	11.1%
Demand	KW	8,805	18,311	27,116	\$11.70	\$7.90	\$13.40	\$9.40	103	145	248	118	172	290	42	17.1%
Control Dmd	2A KW	17,856	49,759	67,615	\$6.28	\$6.28	\$7.78	\$7.78	112	312	425	139	387	526	101	23.9%
Control Dmd	2B KW	17,196	36,466	53,662	\$5.80	\$5.80	\$7.14	\$7.14	100	212	311	123	260	383	72	23.1%
Control Dmd	2C KW	10,962	18,393	29,355	\$5.40	\$5.40	\$6.70	\$6.70	59	99	159	73	123	197	38	24.1%
Control Dmd	1A KW	0	0	0	\$5.65	\$5.65	\$7.22	\$7.22	0	0	0	0	0	0	0	0.0%
Control Dmd	1B KW	404	338	742	\$5.20	\$5.20	\$6.50	\$6.50	2	2	4	3	2	5	1	25.0%
Control Dmd	1C KW	0	0	0	\$4.70	\$4.70	\$5.97	\$5.97	0	0	0	0	0	0	0	0.0%
Fuel Cost	MWH	13,341	34,124	47,465	\$27.70	\$27.70	\$27.77	\$27.77	370	945	1,315	370	948	1,318	3	0.3%
<b>Total:</b>									1,098	2,606	3,704	1,220	2,891	4,111	407	11.0%

**Sales and Revenue by Rate Schedule and Component - Billing Units, Rates (Energy in Mills/kWh), and Revenues (\$1,000's)**

Charge	Units	Billing Units			Present Rate		Ordered Rate		Present Revenues			Proposed Revenues			Increase Annual	Pct Inc. Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
<b>D20 Peak-Ctrl Tier Sm C&amp;I Primary</b>																
Cust Chg	Bills	4	8	12	\$50.00	\$50.00	\$54.00	\$54.00	0	0	1	0	0	1	0	8.0%
Energy	MWH	638	1,799	2,437	\$24.51	\$24.51	\$27.53	\$27.53	16	44	60	18	50	67	7	12.3%
Energy Cr	MWH	17	0	17	-\$9.00	-\$9.00	-\$10.00	-\$10.00	0	0	0	0	0	0	0	11.1%
Demand	KW	556	1,316	1,872	\$11.08	\$7.28	\$12.80	\$8.80	6	10	16	7	12	19	3	18.8%
Control Dmd	2A KW	1,496	4,536	6,033	\$5.66	\$5.66	\$7.18	\$7.18	8	26	34	11	33	43	9	26.9%
Control Dmd	2B KW	0	0	0	\$5.18	\$5.18	\$6.54	\$6.54	0	0	0	0	0	0	0	0.0%
Control Dmd	2C KW	0	0	0	\$4.78	\$4.78	\$6.10	\$6.10	0	0	0	0	0	0	0	0.0%
Control Dmd	1A KW	0	0	0	\$5.03	\$5.03	\$6.62	\$6.62	0	0	0	0	0	0	0	0.0%
Control Dmd	1B KW	0	0	0	\$4.58	\$4.58	\$5.90	\$5.90	0	0	0	0	0	0	0	0.0%
Control Dmd	1C KW	0	0	0	\$4.08	\$4.08	\$5.37	\$5.37	0	0	0	0	0	0	0	0.0%
Fuel Cost	MWH	638	1,799	2,437	\$27.70	\$27.70	\$27.77	\$27.77	18	50	68	18	50	68	0	0.3%
<b>Total:</b>									48	130	178	53	144	197	20	11.1%
<b>D21 Peak-Ctrl Tier TOD Sm C&amp;I Secondary</b>																
Cust Chg	Bills	41	81	122	\$50.00	\$50.00	\$54.00	\$54.00	2	4	6	2	4	7	0	8.0%
Energy	On MWH	881	1,844	2,724	\$33.34	\$33.34	\$38.46	\$38.46	29	61	91	34	71	105	14	15.4%
Energy	Off MWH	961	2,374	3,335	\$19.73	\$19.73	\$21.13	\$21.13	19	47	66	20	50	70	5	7.1%
Energy Cr	MWH	58	209	268	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-1	-2	-2	-1	-2	-3	0	11.1%
Demand	KW	2,981	5,394	8,375	\$11.70	\$7.90	\$13.40	\$9.40	35	43	77	40	51	91	13	17.0%
Off Dmd	KW	145	482	627	\$1.40	\$1.40	\$1.50	\$1.50	0	1	1	0	1	1	0	7.1%
Control Dmd	2A KW	3,265	6,800	10,065	\$6.28	\$6.28	\$7.78	\$7.78	21	43	63	25	53	78	15	23.9%
Control Dmd	2B KW	554	1,332	1,885	\$5.80	\$5.80	\$7.14	\$7.14	3	8	11	4	10	13	3	23.1%
Control Dmd	2C KW	264	368	632	\$5.40	\$5.40	\$6.70	\$6.70	1	2	3	2	2	4	1	24.1%
Control Dmd	1A KW	0	0	0	\$5.65	\$5.65	\$7.22	\$7.22	0	0	0	0	0	0	0	0.0%
Control Dmd	1B KW	0	0	0	\$5.20	\$5.20	\$6.50	\$6.50	0	0	0	0	0	0	0	0.0%
Control Dmd	1C KW	0	0	0	\$4.70	\$4.70	\$5.97	\$5.97	0	0	0	0	0	0	0	0.0%
Fuel Cost	On MWH	881	1,844	2,724	\$35.09	\$35.09	\$34.90	\$34.90	31	65	96	31	64	95	-1	-0.5%
Fuel Cost	Off MWH	961	2,374	3,335	\$21.49	\$21.49	\$21.69	\$21.69	21	51	72	21	51	72	1	0.9%
<b>Total:</b>									162	322	483	179	355	534	51	10.5%

**Sales and Revenue by Rate Schedule and Component - Billing Units, Rates (Energy in Mills/kWh), and Revenues (\$1,000's)**

Charge	Units	Billing Units			Present Rate		Ordered Rate		Present Revenues			Proposed Revenues			Increase Annual	Pct Inc. Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
<b>D21 Peak-Ctrl Tier TOD Lg C&amp;I Secondary</b>																
Cust Chg	Bills	16	32	48	\$50.00	\$50.00	\$54.00	\$54.00	1	2	2	1	2	3	0	8.0%
Energy	On MWH	12,837	27,815	40,652	\$33.34	\$33.34	\$38.46	\$38.46	428	927	1,355	494	1,070	1,563	208	15.4%
Energy	Off MWH	23,202	49,854	73,056	\$19.73	\$19.73	\$21.13	\$21.13	458	984	1,441	490	1,053	1,544	102	7.1%
Energy Cr	MWH	7,864	20,654	28,517	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-71	-186	-257	-79	-207	-285	-29	11.1%
Demand	KW	32,389	60,935	93,324	\$11.70	\$7.90	\$13.40	\$9.40	379	481	860	434	573	1,007	146	17.0%
Off Dmd	KW	406	1,124	1,530	\$1.40	\$1.40	\$1.50	\$1.50	1	2	2	1	2	2	0	7.1%
Control Dmd	2A KW	1,318	1,523	2,842	\$6.28	\$6.28	\$7.78	\$7.78	8	10	18	10	12	22	4	23.9%
Control Dmd	2B KW	18,276	44,047	62,323	\$5.80	\$5.80	\$7.14	\$7.14	106	255	361	130	314	445	84	23.1%
Control Dmd	2C KW	21,990	35,295	57,284	\$5.40	\$5.40	\$6.70	\$6.70	119	191	309	147	236	384	74	24.1%
Control Dmd	1A KW	0	0	0	\$5.65	\$5.65	\$7.22	\$7.22	0	0	0	0	0	0	0	0.0%
Control Dmd	1B KW	0	0	0	\$5.20	\$5.20	\$6.50	\$6.50	0	0	0	0	0	0	0	0.0%
Control Dmd	1C KW	0	0	0	\$4.70	\$4.70	\$5.97	\$5.97	0	0	0	0	0	0	0	0.0%
Fuel Cost	On MWH	12,837	27,815	40,652	\$35.09	\$35.09	\$34.90	\$34.90	450	976	1,426	448	971	1,419	-8	-0.5%
Fuel Cost	Off MWH	23,202	49,854	73,056	\$21.49	\$21.49	\$21.69	\$21.69	499	1,071	1,570	503	1,081	1,584	15	0.9%
<b>Total:</b>									2,377	4,712	7,090	2,580	5,108	7,688	598	8.4%
<b>D21 Peak-Ctrl Tier TOD Sm C&amp;I Primary</b>																
Cust Chg	Bills	4	8	12	\$50.00	\$50.00	\$54.00	\$54.00	0	0	1	0	0	1	0	8.0%
Energy	On MWH	121	517	638	\$32.39	\$32.39	\$37.45	\$37.45	4	17	21	5	19	24	3	15.6%
Energy	Off MWH	206	932	1,138	\$18.78	\$18.78	\$20.12	\$20.12	4	18	21	4	19	23	2	7.1%
Energy Cr	MWH	0	255	255	-\$9.00	-\$9.00	-\$10.00	-\$10.00	0	-2	-2	0	-3	-3	0	11.1%
Demand	KW	700	1,395	2,096	\$11.08	\$7.28	\$12.80	\$8.80	8	10	18	9	12	21	3	18.6%
Off Dmd	KW	24	1	25	\$0.78	\$0.78	\$0.90	\$0.90	0	0	0	0	0	0	0	15.4%
Control Dmd	2A KW	834	1,938	2,773	\$5.66	\$5.66	\$7.18	\$7.18	5	11	16	6	14	20	4	26.9%
Control Dmd	2B KW	0	0	0	\$5.18	\$5.18	\$6.54	\$6.54	0	0	0	0	0	0	0	0.0%
Control Dmd	2C KW	0	0	0	\$4.78	\$4.78	\$6.10	\$6.10	0	0	0	0	0	0	0	0.0%
Control Dmd	1A KW	0	0	0	\$5.03	\$5.03	\$6.62	\$6.62	0	0	0	0	0	0	0	0.0%
Control Dmd	1B KW	0	0	0	\$4.58	\$4.58	\$5.90	\$5.90	0	0	0	0	0	0	0	0.0%
Control Dmd	1C KW	0	0	0	\$4.08	\$4.08	\$5.37	\$5.37	0	0	0	0	0	0	0	0.0%
Fuel Cost	On MWH	121	517	638	\$35.09	\$35.09	\$34.90	\$34.90	4	18	22	4	18	22	0	-0.5%
Fuel Cost	Off MWH	206	932	1,138	\$21.49	\$21.49	\$21.69	\$21.69	4	20	24	4	20	25	0	0.9%
<b>Total:</b>									29	92	121	33	100	133	12	10.1%

**Sales and Revenue by Rate Schedule and Component - Billing Units, Rates (Energy in Mills/kWh), and Revenues (\$1,000's)**

Charge	Units	Billing Units			Present Rate		Ordered Rate		Present Revenues			Proposed Revenues			Increase Annual	Pct Inc. Annual	
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual			
<b>D22 Energy-Control Rider Sm C&amp;I Secondary</b>																	
Cust Chg	Bills	318	635	953	\$50.00	\$50.00	\$54.00	\$54.00	16	32	48	17	34	51	4	8.0%	
Energy	On	MWH	808	1,873	2,680	\$33.34	\$33.34	\$38.46	\$38.46	27	62	89	31	72	103	14	15.4%
Energy	OnC	MWH	19,488	36,557	56,045	\$30.83	\$30.83	\$36.26	\$36.26	601	1,127	1,728	707	1,326	2,032	304	17.6%
Energy	Off	MWH	1,258	3,100	4,359	\$19.73	\$19.73	\$21.13	\$21.13	25	61	86	27	66	92	6	7.1%
Energy	OffC	MWH	28,494	53,526	82,020	\$18.37	\$18.37	\$20.13	\$20.13	523	983	1,507	574	1,077	1,651	144	9.6%
Energy Cr		MWH	6,642	14,559	21,202	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-60	-131	-191	-66	-146	-212	-21	11.1%
Demand		KW	4,340	8,136	12,476	\$11.70	\$7.90	\$13.40	\$9.40	51	64	115	58	76	135	20	17.0%
Off Dmd		KW	734	2,386	3,119	\$1.40	\$1.40	\$1.50	\$1.50	1	3	4	1	4	5	0	7.1%
Control Dmd	1A	KW	7,519	29,950	37,469	\$5.65	\$5.65	\$7.22	\$7.22	42	169	212	54	216	271	59	27.8%
Control Dmd	1B	KW	19,924	36,643	56,567	\$5.20	\$5.20	\$6.50	\$6.50	104	191	294	130	238	368	74	25.0%
Control Dmd	1C	KW	89,034	143,096	232,130	\$4.70	\$4.70	\$5.97	\$5.97	418	673	1,091	532	854	1,386	295	27.0%
AnnMinDmd		KW	1,912	3,824	5,736	\$1.00	\$1.00	\$1.28	\$1.28	2	4	6	2	5	7	2	28.0%
Fuel Cost	On	MWH	20,295	38,430	58,725	\$35.09	\$35.09	\$34.90	\$34.90	712	1,348	2,060	708	1,341	2,049	-11	-0.5%
Fuel Cost	Off	MWH	29,753	56,626	86,379	\$21.49	\$21.49	\$21.69	\$21.69	639	1,217	1,856	645	1,228	1,873	18	0.9%
<b>Total:</b>									3,102	5,803	8,905	3,419	6,392	9,811	906	10.2%	
<b>D22 Energy-Control Rider Lg C&amp;I Secondary</b>																	
Cust Chg	Bills	12	24	36	\$50.00	\$50.00	\$54.00	\$54.00	1	1	2	1	1	2	0	8.0%	
Energy	On	MWH	898	1,630	2,528	\$33.34	\$33.34	\$38.46	\$38.46	30	54	84	35	63	97	13	15.4%
Energy	OnC	MWH	1,178	2,386	3,564	\$30.83	\$30.83	\$36.26	\$36.26	36	74	110	43	87	129	19	17.6%
Energy	Off	MWH	1,346	2,484	3,830	\$19.73	\$19.73	\$21.13	\$21.13	27	49	76	28	52	81	5	7.1%
Energy	OffC	MWH	1,344	3,281	4,625	\$18.37	\$18.37	\$20.13	\$20.13	25	60	85	27	66	93	8	9.6%
Energy Cr		MWH	577	1,260	1,837	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-5	-11	-17	-6	-13	-18	-2	11.1%
Demand		KW	384	0	384	\$11.70	\$7.90	\$13.40	\$9.40	4	0	4	5	0	5	1	14.5%
Off Dmd		KW	212	1,431	1,643	\$1.40	\$1.40	\$1.50	\$1.50	0	2	2	0	2	2	0	7.1%
Control Dmd	1A	KW	0	0	0	\$5.65	\$5.65	\$7.22	\$7.22	0	0	0	0	0	0	0	0.0%
Control Dmd	1B	KW	3,890	7,408	11,298	\$5.20	\$5.20	\$6.50	\$6.50	20	39	59	25	48	73	15	25.0%
Control Dmd	1C	KW	5,172	9,866	15,038	\$4.70	\$4.70	\$5.97	\$5.97	24	46	71	31	59	90	19	27.0%
AnnMinDmd		KW	84	167	251	\$1.00	\$1.00	\$1.28	\$1.28	0	0	0	0	0	0	0	28.0%
Fuel Cost	On	MWH	2,075	4,016	6,091	\$35.09	\$35.09	\$34.90	\$34.90	73	141	214	72	140	213	-1	-0.5%
Fuel Cost	Off	MWH	2,690	5,765	8,455	\$21.49	\$21.49	\$21.69	\$21.69	58	124	182	58	125	183	2	0.9%
<b>Total:</b>									293	579	872	320	631	951	79	9.1%	

**Sales and Revenue by Rate Schedule and Component - Billing Units, Rates (Energy in Mills/kWh), and Revenues (\$1,000's)**

Charge	Units	Billing Units			Present Rate		Ordered Rate		Present Revenues			Proposed Revenues			Increase Annual	Pct Inc. Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
<b>D22 Energy-Control Rider Sm C&amp;I Primary</b>																
Cust Chg	Bills	0	0	0	\$50.00	\$50.00	\$54.00	\$54.00	0	0	0	0	0	0	0	0.0%
Energy	On	MWH	0	0	0	\$32.39	\$32.39	\$37.45	\$37.45	0	0	0	0	0	0	0.0%
Energy	OnC	MWH	658	919	1,577	\$29.88	\$29.88	\$35.25	\$35.25	20	27	47	23	32	56	8 18.0%
Energy	Off	MWH	0	0	0	\$18.78	\$18.78	\$20.12	\$20.12	0	0	0	0	0	0	0.0%
Energy	OffC	MWH	989	1,509	2,499	\$17.42	\$17.42	\$19.12	\$19.12	17	26	44	19	29	48	4 9.8%
Energy Cr		MWH	96	332	428	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-1	-3	-4	-1	-3	-4	0 11.1%
Demand		KW	0	0	0	\$11.08	\$7.28	\$12.80	\$8.80	0	0	0	0	0	0	0 0.0%
Off Dmd		KW	13	248	261	\$0.78	\$0.78	\$0.90	\$0.90	0	0	0	0	0	0	0 15.4%
Control Dmd	1A	KW	0	0	0	\$5.03	\$5.03	\$6.62	\$6.62	0	0	0	0	0	0	0 0.0%
Control Dmd	1B	KW	0	0	0	\$4.58	\$4.58	\$5.90	\$5.90	0	0	0	0	0	0	0 0.0%
Control Dmd	1C	KW	4,067	5,228	9,295	\$4.08	\$4.08	\$5.37	\$5.37	17	21	38	22	28	50	12 31.6%
Fuel Cost	On	MWH	658	919	1,577	\$35.09	\$35.09	\$34.90	\$34.90	23	32	55	23	32	55	0 -0.5%
Fuel Cost	Off	MWH	989	1,509	2,499	\$21.49	\$21.49	\$21.69	\$21.69	21	32	54	21	33	54	1 0.9%
<b>Total:</b>									97	137	234	107	151	258	25	10.5%
<b>D22 Energy-Control Rider Lg C&amp;I Primary</b>																
Cust Chg	Bills	28	56	84	\$50.00	\$50.00	\$54.00	\$54.00	1	3	4	2	3	5	0	8.0%
Energy	On	MWH	634	1,457	2,091	\$32.39	\$32.39	\$37.45	\$37.45	21	47	68	24	55	78	11 15.6%
Energy	OnC	MWH	14,171	24,346	38,516	\$29.88	\$29.88	\$35.25	\$35.25	423	727	1,151	500	858	1,358	207 18.0%
Energy	Off	MWH	1,193	2,748	3,941	\$18.78	\$18.78	\$20.12	\$20.12	22	52	74	24	55	79	5 7.1%
Energy	OffC	MWH	22,231	38,515	60,746	\$17.42	\$17.42	\$19.12	\$19.12	387	671	1,058	425	736	1,161	103 9.8%
Energy Cr		MWH	6,384	15,518	21,902	-\$9.00	-\$9.00	-\$10.00	-\$10.00	-57	-140	-197	-64	-155	-219	-22 11.1%
Demand		KW	3,273	5,766	9,039	\$11.08	\$7.28	\$12.80	\$8.80	36	42	78	42	51	93	14 18.4%
Off Dmd		KW	235	514	749	\$0.78	\$0.78	\$0.90	\$0.90	0	0	1	0	0	1	0 15.4%
Control Dmd	1A	KW	10,786	20,695	31,481	\$5.03	\$5.03	\$6.62	\$6.62	54	104	158	71	137	208	50 31.6%
Control Dmd	1B	KW	0	0	0	\$4.58	\$4.58	\$5.90	\$5.90	0	0	0	0	0	0	0 0.0%
Control Dmd	1C	KW	62,890	101,535	164,425	\$4.08	\$4.08	\$5.37	\$5.37	257	414	671	338	545	883	212 31.6%
Fuel Cost	On	MWH	14,805	25,802	40,607	\$35.09	\$35.09	\$34.90	\$34.90	519	905	1,425	517	900	1,417	-8 -0.5%
Fuel Cost	Off	MWH	23,424	41,263	64,687	\$21.49	\$21.49	\$21.69	\$21.69	503	887	1,390	508	895	1,403	13 0.9%
<b>Total:</b>									2,168	3,713	5,880	2,386	4,081	6,467	587	10.0%
<b>D42 Siren Service Public Auth Secondary</b>																
HP	HP	604	1,208	1,812	\$0.52	\$0.52	\$0.57	\$0.57	0	1	1	0	1	1	0	9.6%
<b>Total:</b>									0	1	1	0	1	1	0	9.6%

**Sales and Revenue by Rate Schedule and Component - Billing Units, Rates (Energy in Mills/kWh), and Revenues (\$1,000's)**

Charge	Units	Billing Units			Present Rate		Ordered Rate		Present Revenues			Proposed Revenues			Increase Annual	Pct Inc. Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
<b>D11 Protective Ltg ResReg Secondary</b>																
A100S	Lts	1,624	3,248	4,872	\$6.01	\$6.01	\$6.16	\$6.16	10	20	29	10	20	30	1	2.4%
A175M	Lts	312	624	936	\$6.01	\$6.01	\$6.16	\$6.16	2	4	6	2	4	6	0	2.4%
A250S	Lts	116	232	348	\$10.66	\$10.66	\$10.66	\$10.66	1	2	4	1	2	4	0	0.0%
A400M	Lts	20	40	60	\$10.66	\$10.66	\$10.66	\$10.66	0	0	1	0	0	1	0	0.0%
D250S	Lts	12	24	36	\$12.10	\$12.10	\$11.84	\$11.84	0	0	0	0	0	0	0	-2.1%
D400S	Lts	0	0	0	\$14.52	\$14.52	\$14.47	\$14.47	0	0	0	0	0	0	0	0.0%
D400M	Lts	0	0	0	\$12.74	\$12.74	\$13.54	\$13.54	0	0	0	0	0	0	0	0.0%
Fuel Cost	MWH	87	256	342	\$20.26	\$20.26	\$20.02	\$20.02	2	5	7	2	5	7	0	-1.2%
<b>Total:</b>									15	32	47	15	32	47	1	1.6%
<b>D11 Protective Ltg Sm C&amp;I Secondary</b>																
A100S	Lts	1,540	3,080	4,620	\$6.01	\$6.01	\$6.16	\$6.16	9	19	28	9	19	28	1	2.4%
A175M	Lts	652	1,304	1,956	\$6.01	\$6.01	\$6.16	\$6.16	4	8	12	4	8	12	0	2.4%
A250S	Lts	1,020	2,040	3,060	\$10.66	\$10.66	\$10.66	\$10.66	11	22	33	11	22	33	0	0.0%
A400M	Lts	372	744	1,116	\$10.66	\$10.66	\$10.66	\$10.66	4	8	12	4	8	12	0	0.0%
D250S	Lts	752	1,504	2,256	\$12.10	\$12.10	\$11.84	\$11.84	9	18	27	9	18	27	-1	-2.1%
D400S	Lts	2,992	5,984	8,976	\$14.52	\$14.52	\$14.47	\$14.47	43	87	130	43	87	130	0	-0.3%
D400M	Lts	40	80	120	\$12.74	\$12.74	\$13.54	\$13.54	1	1	2	1	1	2	0	6.3%
Fuel Cost	MWH	695	2,020	2,714	\$20.26	\$20.26	\$20.02	\$20.02	14	41	55	14	40	54	-1	-1.2%
<b>Total:</b>									95	203	298	95	203	298	-1	-0.2%
<b>D30 St Ltg System Lighting Secondary</b>																
OH100S	Lts	9,436	18,872	28,308	\$8.59	\$8.59	\$9.94	\$9.94	81	162	243	94	188	281	38	15.7%
OH150S	Lts	4,328	8,656	12,984	\$9.55	\$9.55	\$10.92	\$10.92	41	83	124	47	95	142	18	14.3%
OH250S	Lts	788	1,576	2,364	\$12.06	\$12.06	\$13.74	\$13.74	10	19	29	11	22	32	4	13.9%
OH400S	Lts	60	120	180	\$14.40	\$14.40	\$16.41	\$16.41	1	2	3	1	2	3	0	14.0%
UG100S	Lts	888	1,776	2,664	\$16.32	\$16.32	\$19.23	\$19.23	14	29	43	17	34	51	8	17.8%
UG150S	Lts	328	656	984	\$17.35	\$17.35	\$20.25	\$20.25	6	11	17	7	13	20	3	16.7%
Dec100S	Lts	0	0	0	\$26.24	\$26.24	\$30.81	\$30.81	0	0	0	0	0	0	0	0.0%
Dec150S	Lts	0	0	0	\$27.13	\$27.13	\$31.75	\$31.75	0	0	0	0	0	0	0	0.0%
Dec250S	Lts	0	0	0	\$29.26	\$29.26	\$34.04	\$34.04	0	0	0	0	0	0	0	0.0%
Fuel Cost	MWH	638	1,728	2,366	\$20.26	\$20.26	\$20.02	\$20.02	13	35	48	13	35	47	-1	-1.2%
<b>Total:</b>									166	341	507	189	388	577	70	13.9%

**Sales and Revenue by Rate Schedule and Component - Billing Units, Rates (Energy in Mills/kWh), and Revenues (\$1,000's)**

Charge	Units	Billing Units			Present Rate		Ordered Rate		Present Revenues			Proposed Revenues			Increase Annual	Pct Inc. Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
<b>D31 St Ltg Purchased Lighting Secondary</b>																
70S	Lts	468	936	1,404	\$2.67	\$2.67	\$2.72	\$2.72	1	2	4	1	3	4	0	1.9%
100S	Lts	14,104	28,208	42,312	\$3.12	\$3.12	\$3.17	\$3.17	44	88	132	45	89	134	2	1.6%
150S	Lts	9,660	19,320	28,980	\$3.79	\$3.79	\$3.83	\$3.83	37	73	110	37	74	111	1	1.1%
200S	Lts	376	752	1,128	\$4.60	\$4.60	\$4.67	\$4.67	2	3	5	2	4	5	0	1.5%
250S	Lts	13,372	26,744	40,116	\$5.47	\$5.47	\$5.54	\$5.54	73	146	219	74	148	222	3	1.3%
310S	Lts	612	1,224	1,836	\$6.59	\$6.59	\$6.66	\$6.66	4	8	12	4	8	12	0	1.1%
400S	Lts	3,944	7,888	11,832	\$7.64	\$7.64	\$7.72	\$7.72	30	60	90	30	61	91	1	1.0%
1000S	Lts	1,160	2,320	3,480	\$15.67	\$15.67	\$15.81	\$15.81	18	36	55	18	37	55	0	0.9%
175M	Lts	2,732	5,464	8,196	\$2.93	\$2.93	\$4.23	\$4.23	8	16	24	12	23	35	11	44.4%
250M	Lts	304	608	912	\$3.95	\$3.95	\$5.26	\$5.26	1	2	4	2	3	5	1	33.2%
400M	Lts	380	760	1,140	\$6.12	\$6.12	\$7.45	\$7.45	2	5	7	3	6	8	2	21.7%
G4 70S	Lts	16	32	48	\$1.42	\$1.42	\$1.47	\$1.47	0	0	0	0	0	0	0	3.5%
G4 400S	Lts	0	0	0	\$6.39	\$6.39	\$7.44	\$7.44	0	0	0	0	0	0	0	0.0%
Fuel Cost	MWH	3,312	8,966	12,278	\$20.26	\$20.26	\$20.02	\$20.02	67	182	249	66	179	246	-3	-1.2%
<b>Total:</b>									288	623	911	294	635	929	18	2.0%
<b>D33 St Ltg Energy Mtrd Lighting Secondary</b>																
Cust Chg	Bills	304	608	912	\$5.00	\$5.00	\$5.00	\$5.00	2	3	5	2	3	5	0	0.0%
Energy	MWH	430	1,165	1,596	\$35.75	\$35.75	\$36.00	\$36.00	15	42	57	15	42	57	0	0.7%
Fuel Cost	MWH	430	1,165	1,596	\$20.26	\$20.26	\$20.02	\$20.02	9	24	32	9	23	32	0	-1.2%
<b>Total:</b>									26	68	94	26	68	94	0	0.0%
<b>D32 St Ltg Purchased-CL Lighting Secondary</b>																
1000L	Lts	232	464	696	\$2.58	\$2.58	\$2.58	\$2.58	1	1	2	1	1	2	0	0.0%
4000L	Lts	56	112	168	\$4.78	\$4.78	\$4.78	\$4.78	0	1	1	0	1	1	0	0.0%
Fuel Cost	MWH	11	28	39	\$20.26	\$20.26	\$20.02	\$20.02	0	1	1	0	1	1	0	-1.2%
<b>Total:</b>									1	2	3	1	2	3	0	-0.3%
<b>Total Retail:</b>									63,845	118,879	182,724	69,551	130,046	199,597	16,873	9.2%

**Comparison Of Present & Proposed Rates**

Fuel Cost - Retail	Present			Proposed		
	Summer	Winter	Annual	Summer	Winter	Annual
Retail	2.716 ¢	2.732 ¢	2.727 ¢	2.716 ¢	2.732 ¢	2.727 ¢
Residential	2.723 ¢	2.739 ¢	2.734 ¢	2.708 ¢	2.724 ¢	2.719 ¢
C&I - Non-Demand	2.792 ¢	2.809 ¢	2.804 ¢	2.802 ¢	2.819 ¢	2.814 ¢
C&I-Dmd - Non-TOD			2.773 ¢			2.777 ¢
C&I-Dmd -TOD On-Peak			3.513 ¢			3.490 ¢
C&I-Dmd -TOD Off-Peak			2.151 ¢			2.169 ¢
Lighting			2.029 ¢			2.002 ¢

		Present	Proposed	Present	Proposed
Residential (D01, D03)		Base Rates		Rates + Fuel	
Customer / Mo.	Overhead	\$9.00	\$10.00	\$9.00	\$10.00
	Overhead - Electric Sp Ht	\$12.00	\$13.00	\$12.00	\$13.00
	Underground	\$11.00	\$12.00	\$11.00	\$12.00
	Underground - Electric Sp Ht	\$14.00	\$15.00	\$14.00	\$15.00
Energy / kWh	Summer	6.466 ¢	7.233 ¢	9.189 ¢	9.941 ¢
	Winter	4.997 ¢	5.733 ¢	7.736 ¢	8.457 ¢
	Winter - Electric Space Heat	3.997 ¢	4.583 ¢	6.736 ¢	7.307 ¢

Residential Time of Day (D02, D04)		Base Rates		Rates + Fuel	
Customer / Mo.	Overhead	\$11.00	\$12.00	\$11.00	\$12.00
	Overhead - Electric Sp Ht	\$14.00	\$15.00	\$14.00	\$15.00
	Underground	\$13.00	\$14.00	\$13.00	\$14.00
	Underground - Electric Sp Ht	\$16.00	\$17.00	\$16.00	\$17.00
Energy / kWh	On-Peak Summer	13.634 ¢	14.988 ¢	16.357 ¢	17.696 ¢
	On-Peak Winter	9.685 ¢	10.977 ¢	12.424 ¢	13.701 ¢
	On-Peak Winter -Elec. Sp Ht	7.212 ¢	8.170 ¢	9.951 ¢	10.894 ¢
	Off-Peak Summer	2.220 ¢	2.600 ¢	4.943 ¢	5.308 ¢
	Off-Peak Winter	2.220 ¢	2.600 ¢	4.959 ¢	5.324 ¢

Energy-Controlled Non-Demand (D05)		Base Rates		Rates + Fuel	
Customer / Mo.		\$4.20	\$4.60	\$4.20	\$4.60
Energy / kWh	Standard Resid.	2.9340 ¢	3.6630 ¢	5.668 ¢	6.382 ¢
	Standard Comm.	2.9340 ¢	3.6630 ¢	5.738 ¢	6.477 ¢
	Optional Resid. - Summer	6.466 ¢	7.233 ¢	9.189 ¢	9.941 ¢
	Optional Comm.- Summer	6.468 ¢	7.159 ¢	9.260 ¢	9.961 ¢

**Comparison Of Present & Proposed Rates**

		Present	Proposed	Present	Proposed
<b>Limited Off-Peak (D10)</b>		<b>Base Rates</b>		<b>Rates + Fuel</b>	
<b>Customer / Mo.</b>	Residential	\$4.20	\$4.60	\$4.20	\$4.60
	Commercial Sec. 1 Phase	\$4.20	\$4.60	\$4.20	\$4.60
	Commercial Sec. 3 Phase	\$6.00	\$6.50	\$6.00	\$6.50
	Commercial Primary	\$30.00	\$30.00	\$30.00	\$30.00
<b>Energy / kWh</b>	Residential On-Peak	24.000 ¢	26.000 ¢	26.734 ¢	28.719 ¢
	Commercial On-Peak	24.000 ¢	26.000 ¢	26.804 ¢	28.814 ¢
	Residential Secondary	1.920 ¢	2.300 ¢	4.654 ¢	5.019 ¢
	Commercial Secondary	1.920 ¢	2.300 ¢	4.724 ¢	5.114 ¢
	Commercial Primary	1.825 ¢	2.199 ¢	4.629 ¢	5.013 ¢

		Present	Proposed	Present	Proposed
<b>Small General (D12, D15)</b>		<b>Base Rates</b>		<b>Rates + Fuel</b>	
<b>Customer / Mo.</b>	Metered (D12)	\$12.00	\$13.00	\$12.00	\$13.00
<b>Demand / kW</b>	Direct Current (D15)	\$1.48	Cancel	\$1.48	Cancel
<b>Energy / kWh</b>	Summer	6.468 ¢	7.159 ¢	9.260 ¢	9.961 ¢
	Winter	4.999 ¢	5.659 ¢	7.808 ¢	8.478 ¢

		Present	Proposed	Present	Proposed
<b>Small Municipal Pumping (D40)</b>		<b>Base Rates</b>		<b>Rates + Fuel</b>	
<b>Customer / Mo.</b>	Overhead	\$12.00	\$13.00	\$12.00	\$13.00
<b>Energy / kWh</b>	Summer	6.468 ¢	7.159 ¢	9.260 ¢	9.961 ¢
	Winter	4.999 ¢	5.659 ¢	7.808 ¢	8.478 ¢

		Present	Proposed	Present	Proposed
<b>Small General TOD (D14, D18, D19, D34)</b>		<b>Base Rates</b>		<b>Rates + Fuel</b>	
<b>Customer / Mo.</b>	TOD Metered (D14)	\$14.00	\$15.00	\$14.00	\$15.00
	KWH Metered (D19)	\$12.00	\$13.00	\$12.00	\$13.00
	Unmetered (D18)	\$9.00	\$10.00	\$9.00	\$10.00
	Low Wattage <100W (D34)	\$0.27	\$0.30	\$0.27	\$0.30
	Low Wattage <400W (D34)	\$1.12	\$1.24	\$1.12	\$1.24
<b>Energy / kWh</b>	On-Peak Summer	11.455 ¢	12.352 ¢	14.247 ¢	15.154 ¢
	On-Peak Winter	8.261 ¢	9.143 ¢	11.070 ¢	11.962 ¢
	Off-Peak Summer	2.220 ¢	2.600 ¢	5.012 ¢	5.402 ¢
	Off-Peak Winter	2.220 ¢	2.600 ¢	5.029 ¢	5.419 ¢
	Constant Use - Summer	5.452 ¢	6.013 ¢	8.244 ¢	8.815 ¢
	Constant Use - Winter	4.334 ¢	4.890 ¢	7.143 ¢	7.709 ¢

**Comparison Of Present & Proposed Rates**

		Present	Proposed	Present	Proposed
<b>Demand-Metered Voltage Discounts</b>		Base Rates		Rates + Fuel	
<b>Voltage Discount / kWh</b>	Primary	0.095 ¢	0.101 ¢	0.095 ¢	0.101 ¢
	Transmission Transformed	0.200 ¢	0.210 ¢	0.200 ¢	0.210 ¢
	Transmission	0.220 ¢	0.240 ¢	0.220 ¢	0.240 ¢
<b>Voltage Discount / kW</b>	Primary	\$0.62	\$0.60	\$0.62	\$0.60
	Transmission Transformed	\$1.10	\$1.10	\$1.10	\$1.10
	Transmission	\$1.40	\$1.50	\$1.40	\$1.50

<b>General (D16)</b>		Base Rates		Rates + Fuel	
<b>Customer / Mo.</b>		\$22.00	\$24.35	\$22.00	\$24.35
<b>Demand / kW</b>	Summer	\$11.70	\$13.40	\$11.70	\$13.40
	Winter	\$7.90	\$9.40	\$7.90	\$9.40
<b>Energy / kWh</b>		2.546 ¢	2.854 ¢	5.319 ¢	5.631 ¢
<b>Energy Credit / kWh</b>		-0.900 ¢	-1.000 ¢	-0.900 ¢	-1.000 ¢

<b>Municipal Pumping (D41)</b>		Base Rates		Rates + Fuel	
<b>Customer / Mo.</b>		\$22.00	\$24.35	\$22.00	\$24.35
<b>Demand / kW</b>	Summer	\$11.70	\$13.40	\$11.70	\$13.40
	Winter	\$7.90	\$9.40	\$7.90	\$9.40
<b>Energy / kWh</b>		2.546 ¢	2.854 ¢	5.319 ¢	5.631 ¢
<b>Energy Credit / kWh</b>		-0.900 ¢	-1.000 ¢	-0.900 ¢	-1.000 ¢

<b>General Time of Day (D17)</b>		Base Rates		Rates + Fuel	
<b>Customer / Mo.</b>		\$25.00	\$27.35	\$25.00	\$27.35
<b>On-Peak Demand / kW</b>	Summer	\$11.70	\$13.40	\$11.70	\$13.40
	Winter	\$7.90	\$9.40	\$7.90	\$9.40
<b>Off-Peak Demand / kW</b>		\$1.40	\$1.50	\$1.40	\$1.50
<b>Energy / kWh</b>	On-Peak	3.334 ¢	3.846 ¢	6.847 ¢	7.336 ¢
	Off-Peak	1.973 ¢	2.113 ¢	4.124 ¢	4.282 ¢
<b>Energy Credit / kWh</b>		-0.900 ¢	-1.000 ¢	-0.900 ¢	-1.000 ¢

<b>Peak-Controlled (D20)</b>		Base Rates		Rates + Fuel	
<b>Customer / Mo.</b>		\$50.00	\$54.00	\$50.00	\$54.00
<b>Firm Demand / kW</b>	Summer	\$11.70	\$13.40	\$11.70	\$13.40
	Winter	\$7.90	\$9.40	\$7.90	\$9.40
<b>Control Demand / kW</b>	Tier 2 - Level A	\$6.28	\$7.78	\$6.28	\$7.78
	Tier 2 - Level B	\$5.80	\$7.14	\$5.80	\$7.14
	Tier 2 - Level C	\$5.40	\$6.70	\$5.40	\$6.70
	Tier 1 - Level A	\$5.65	\$7.22	\$5.65	\$7.22
	Tier 1 - Level B	\$5.20	\$6.50	\$5.20	\$6.50
	Tier 1 - Level C	\$4.70	\$5.97	\$4.70	\$5.97
<b>Energy / kWh</b>		2.546 ¢	2.854 ¢	5.319 ¢	5.631 ¢
<b>Energy Credit / kWh</b>		-0.900 ¢	-1.000 ¢	-0.900 ¢	-1.000 ¢

**Comparison Of Present & Proposed Rates**

		Present	Proposed	Present	Proposed
<b>Peak-Controlled TOD (D21)</b>		<b>Base Rates</b>		<b>Rates + Fuel</b>	
<b>Customer / Mo.</b>		\$50.00	\$54.00	\$50.00	\$54.00
<b>On-Peak Demand / kW</b>	Summer	\$11.70	\$13.40	\$11.70	\$13.40
	Winter	\$7.90	\$9.40	\$7.90	\$9.40
<b>Control Demand / kW</b>	Tier 2 - Level A	\$6.28	\$7.78	\$6.28	\$7.78
	Tier 2 - Level B	\$5.80	\$7.14	\$5.80	\$7.14
	Tier 2 - Level C	\$5.40	\$6.70	\$5.40	\$6.70
	Tier 1 - Level A	\$5.65	\$7.22	\$5.65	\$7.22
	Tier 1 - Level B	\$5.20	\$6.50	\$5.20	\$6.50
	Tier 1 - Level C	\$4.70	\$5.97	\$4.70	\$5.97
<b>Off-Peak Demand / kW</b>		\$1.40	\$1.50	\$1.40	\$1.50
<b>Energy / kWh</b>	On-Peak	3.334 ¢	3.846 ¢	6.847 ¢	7.336 ¢
	Off-Peak	1.973 ¢	2.113 ¢	4.124 ¢	4.282 ¢
<b>Energy Credit / kWh</b>		-0.9000 ¢	-1.0000 ¢	-0.9000 ¢	-1.0000 ¢

		Present	Proposed	Present	Proposed
<b>Tier 1 Energy-Controlled Rider (D22)</b>		<b>Base Rates</b>		<b>Rates + Fuel</b>	
<b>Customer / Mo.</b>		\$50.00	\$54.00	\$50.00	\$54.00
<b>On-Peak Demand / kW</b>	Summer	\$11.70	\$13.40	\$11.70	\$13.40
	Winter	\$7.90	\$9.40	\$7.90	\$9.40
<b>Control Demand / kW</b>	Tier 1 - Level A	\$5.65	\$7.22	\$5.65	\$7.22
	Tier 1 - Level B	\$5.20	\$6.50	\$5.20	\$6.50
	Tier 1 - Level C	\$4.70	\$5.97	\$4.70	\$5.97
<b>Off-Peak Demand / kW</b>		\$1.40	\$1.50	\$1.40	\$1.50
<b>Energy / kWh</b>	Firm On-Peak	3.334 ¢	3.846 ¢	6.847 ¢	7.336 ¢
	Firm Off-Peak	1.973 ¢	2.113 ¢	4.124 ¢	4.282 ¢
	Controllable On-Peak	3.083 ¢	3.626 ¢	6.596 ¢	7.116 ¢
	Controllable Off-Peak	1.837 ¢	2.013 ¢	3.988 ¢	4.182 ¢
	Control Period Energy	10.000 ¢	10.000 ¢	13.513 ¢	13.490 ¢
<b>Energy Credit / kWh</b>		-0.900 ¢	-1.000 ¢	-0.900 ¢	-1.000 ¢

		Present	Proposed	Present	Proposed
<b>Real-Time Pricing (D62,D63)</b>		<b>Base Rates</b>		<b>Rates + Fuel</b>	
<b>Customer /Month</b>		\$300.00	\$330.00	\$300.00	\$330.00
<b>Contract Demand /kW</b>		\$7.81	\$9.30	\$7.81	\$9.30
<b>Distribution Demand /kW</b>	Secondary	\$1.21	\$1.30	\$1.21	\$1.30
	Primary	\$0.64	\$0.64	\$0.64	\$0.64
	Transmission Transformed	\$0.26	\$0.25	\$0.26	\$0.25
<b>Limited Energy Surcharge /kWh</b>		15.000 ¢	17.900 ¢	15.000 ¢	17.900 ¢
<b>Energy Credit /kWh</b>		-0.770 ¢	-0.860 ¢	-0.770 ¢	-0.860 ¢

		Present	Proposed	Present	Proposed
<b>Fire &amp; Civil Defense Siren (D42)</b>		<b>Base Rates</b>		<b>Rates + Fuel</b>	
<b>HP Capacity / Mo.</b>		\$0.52	\$0.57	\$0.52	\$0.57
<b>Min Charge / Mo.</b>		\$2.48	\$2.58	\$2.48	\$2.58

**Comparison Of Present & Proposed Rates**

		Present	Proposed	Present	Proposed
<b>Automatic Protective Lighting (D11)</b>		Base Rates		Rates + Fuel	
<b>Area</b>	100 W HPSodium	\$6.01	\$6.16	\$6.83	\$6.97
	175 W Mercury	\$6.01	\$6.16	\$7.44	\$8.13
	250 W HPSodium	\$10.66	\$10.66	\$12.82	\$12.79
	400 W Mercury	\$10.66	\$10.66	\$13.89	\$13.98
<b>Directional</b>	250 W HPSodium	\$12.10	\$11.84	\$14.26	\$13.97
	400 W HPSodium	\$14.52	\$14.47	\$17.91	\$17.81
	400 W Mercury	\$12.74	\$13.54	\$15.97	\$16.73

<b>Street Lighting System (D30)</b>		Base Rates		Rates + Fuel	
<b>Overhead</b>	100 W HPSodium	\$8.59	\$9.94	\$9.41	\$10.75
	150 W HPSodium	\$9.55	\$10.92	\$10.75	\$12.11
	250 W HPSodium	\$12.06	\$13.74	\$14.22	\$15.87
	400 W HPSodium	\$14.40	\$16.41	\$17.79	\$19.75
<b>Underground</b>	100 W HPSodium	\$16.32	\$19.23	\$17.14	\$20.04
	150 W HPSodium	\$17.35	\$20.25	\$18.55	\$21.44
<b>Decorative UG</b>	100 W HPSodium	\$26.24	\$30.81	\$27.06	\$31.62
	150 W HPSodium	\$27.13	\$31.75	\$28.33	\$32.94
	250 W HPSodium	\$29.26	\$34.04	\$31.42	\$36.17

		Present	Proposed	Present	Proposed
<b>Street Lighting Purchased (D31)</b>		Base Rates		Rates + Fuel	
Group 1	175 W Mercury	\$2.93	\$4.23	\$4.36	\$5.64
	250 W Mercury	\$3.95	\$5.26	\$5.95	\$7.24
	400 W Mercury	\$6.12	\$7.45	\$9.35	\$10.64
	70 W HPSodium	\$2.67	\$2.72	\$3.24	\$3.28
	100 W HPSodium	\$3.12	\$3.17	\$3.94	\$3.98
	150 W HPSodium	\$3.79	\$3.83	\$4.99	\$5.02
	200 W HPSodium	\$4.60	\$4.67	\$6.26	\$6.31
	250 W HPSodium	\$5.47	\$5.54	\$7.63	\$7.67
	310 W HPSodium	\$6.59	\$6.66	\$9.38	\$9.42
	400 W HPSodium	\$7.64	\$7.72	\$11.03	\$11.06
	1000 W HPSodium	\$15.67	\$15.81	\$23.61	\$23.65
Group 4 (Closed)	70 W HPSodium	\$1.42	\$1.47	\$1.99	\$2.03
	100 W HPSodium	\$6.39	\$7.44	\$9.78	\$10.78

<b>Street Lighting Energy - Metered (D33)</b>		Base Rates		Rates + Fuel	
<b>Customer / Mo.</b>		\$5.00	\$5.00	\$5.00	\$5.00
<b>Energy Charge per kWh</b>		3.575 ¢	3.600 ¢	5.604 ¢	5.602 ¢

<b>Street Lighting Purchased (Closed) (D32)</b>		Base Rates		Rates + Fuel	
1000 L Incandescent		\$2.58	\$2.58	\$3.23	\$3.22
4000 L Incandescent		\$4.78	\$4.78	\$6.85	\$6.83

**Comparison Of Present & Proposed Rates**

			Present	Proposed
<b>Standby Service Rider</b>				
<b>Customer / Mo.</b>			\$25.00	\$27.35
<b>Demand / Contract kW</b>	Unscheduled Maintenance	Secondary	\$2.23	\$2.61
		Primary	\$1.71	\$2.01
		Tran Transformed	\$1.23	\$1.51
		Transmission	\$0.93	\$1.11
	Scheduled Maintenance	Secondary	\$2.23	\$2.51
		Primary	\$1.61	\$1.91
		Tran Transformed	\$1.13	\$1.41
		Transmission	\$0.83	\$1.01
	Non-Firm	Secondary	\$1.40	\$1.50
		Primary	\$0.78	\$0.90
		Tran Transformed	\$0.30	\$0.40
		Transmission	\$0.00	\$0.00

**Comparison of Bills at Present and Proposed Rates**

**RESIDENTIAL SERVICE (Overhead) - D01**

	Energy in kWh	Monthly Bill		Increase	
		Present	Proposed	Amount	Percent
WINTER	250	\$28.34	\$31.14	\$2.80	9.88%
	300	\$32.21	\$35.37	\$3.16	9.82%
	400	\$39.94	\$43.83	\$3.88	9.72%
	500	\$47.68	\$52.28	\$4.60	9.65%
	600	\$55.42	\$60.74	\$5.32	9.60%
	750	\$67.02	\$73.42	\$6.40	9.55%
	850	\$74.76	\$81.88	\$7.12	9.53%
	1000	\$86.36	\$94.57	\$8.20	9.50%
	1500	\$125.04	\$136.85	\$11.81	9.44%
	2000	\$163.72	\$179.13	\$15.41	9.41%
	3000	\$241.08	\$263.70	\$22.61	9.38%
	4000	\$318.44	\$348.26	\$29.82	9.36%
5000	\$395.81	\$432.83	\$37.02	9.35%	
SUMMER	250	\$31.97	\$34.85	\$2.88	9.00%
	300	\$36.57	\$39.82	\$3.25	8.90%
	400	\$45.76	\$49.76	\$4.01	8.76%
	500	\$54.95	\$59.70	\$4.76	8.66%
	600	\$64.13	\$69.64	\$5.51	8.59%
	750	\$77.92	\$84.55	\$6.64	8.52%
	850	\$87.11	\$94.49	\$7.39	8.48%
	1000	\$100.89	\$109.41	\$8.52	8.44%
	1500	\$146.84	\$159.11	\$12.27	8.36%
	2000	\$192.78	\$208.81	\$16.03	8.32%
	3000	\$284.67	\$308.22	\$23.55	8.27%
	4000	\$376.56	\$407.62	\$31.06	8.25%
5000	\$468.45	\$507.03	\$38.58	8.23%	
AVERAGE MONTHLY	250	\$29.55	\$32.38	\$2.83	9.57%
	300	\$33.66	\$36.85	\$3.19	9.48%
	400	\$41.88	\$45.80	\$3.92	9.37%
	500	\$50.10	\$54.76	\$4.65	9.29%
	600	\$58.32	\$63.71	\$5.38	9.23%
	750	\$70.65	\$77.13	\$6.48	9.17%
	850	\$78.87	\$86.09	\$7.21	9.14%
	1000	\$91.20	\$99.51	\$8.31	9.11%
	1500	\$132.31	\$144.27	\$11.96	9.04%
	2000	\$173.41	\$189.02	\$15.62	9.01%
	3000	\$255.61	\$278.54	\$22.92	8.97%
	4000	\$337.82	\$368.05	\$30.23	8.95%
5000	\$420.02	\$457.56	\$37.54	8.94%	

**Comparison Of Bills At Present & Proposed Rates**

**RESIDENTIAL SERVICE - SPACE HEATING (Overhead) - D01**

	Energy in kWh	Monthly Bill		Increase	
		Present	Proposed	Amount	Percent
WINTER	250	\$28.84	\$31.27	\$2.43	8.41%
	300	\$32.21	\$34.92	\$2.71	8.42%
	400	\$38.94	\$42.23	\$3.28	8.43%
	500	\$45.68	\$49.53	\$3.85	8.43%
	600	\$52.42	\$56.84	\$4.42	8.44%
	750	\$62.52	\$67.80	\$5.28	8.44%
	850	\$69.26	\$75.11	\$5.85	8.44%
	1000	\$79.36	\$86.07	\$6.70	8.45%
	1500	\$113.04	\$122.60	\$9.56	8.45%
	2000	\$146.72	\$159.13	\$12.41	8.46%
	3000	\$214.08	\$232.20	\$18.11	8.46%
	4000	\$281.44	\$305.26	\$23.82	8.46%
	5000	\$348.81	\$378.33	\$29.52	8.46%
SUMMER	250	\$34.97	\$37.85	\$2.88	8.23%
	300	\$39.57	\$42.82	\$3.25	8.23%
	400	\$48.76	\$52.76	\$4.01	8.22%
	500	\$57.95	\$62.70	\$4.76	8.21%
	600	\$67.13	\$72.64	\$5.51	8.21%
	750	\$80.92	\$87.55	\$6.64	8.20%
	850	\$90.11	\$97.49	\$7.39	8.20%
	1000	\$103.89	\$112.41	\$8.52	8.20%
	1500	\$149.84	\$162.11	\$12.27	8.19%
	2000	\$195.78	\$211.81	\$16.03	8.19%
	3000	\$287.67	\$311.22	\$23.55	8.18%
	4000	\$379.56	\$410.62	\$31.06	8.18%
	5000	\$471.45	\$510.03	\$38.58	8.18%
AVERAGE MONTHLY	250	\$30.88	\$33.46	\$2.58	8.34%
	300	\$34.66	\$37.55	\$2.89	8.34%
	400	\$42.22	\$45.74	\$3.52	8.35%
	500	\$49.77	\$53.92	\$4.15	8.35%
	600	\$57.32	\$62.11	\$4.78	8.35%
	750	\$68.65	\$74.38	\$5.73	8.35%
	850	\$76.21	\$82.57	\$6.36	8.35%
	1000	\$87.54	\$94.85	\$7.31	8.35%
	1500	\$125.31	\$135.77	\$10.46	8.35%
	2000	\$163.08	\$176.69	\$13.62	8.35%
	3000	\$238.61	\$258.54	\$19.92	8.35%
	4000	\$314.15	\$340.38	\$26.23	8.35%
	5000	\$389.69	\$422.23	\$32.54	8.35%

**Comparison Of Bills At Present & Proposed Rates**

**RESIDENTIAL SERVICE (Underground) - D03**

	Energy in kWh	Monthly Bill		Increase	
		Present	Proposed	Amount	Percent
WINTER	250	\$30.34	\$33.14	\$2.80	9.23%
	300	\$34.21	\$37.37	\$3.16	9.24%
	400	\$41.94	\$45.83	\$3.88	9.25%
	500	\$49.68	\$54.28	\$4.60	9.26%
	600	\$57.42	\$62.74	\$5.32	9.27%
	750	\$69.02	\$75.42	\$6.40	9.28%
	850	\$76.76	\$83.88	\$7.12	9.28%
	1000	\$88.36	\$96.57	\$8.20	9.28%
	1500	\$127.04	\$138.85	\$11.81	9.29%
	2000	\$165.72	\$181.13	\$15.41	9.30%
	3000	\$243.08	\$265.70	\$22.61	9.30%
	4000	\$320.44	\$350.26	\$29.82	9.30%
5000	\$397.81	\$434.83	\$37.02	9.31%	
SUMMER	250	\$33.97	\$36.85	\$2.88	8.47%
	300	\$38.57	\$41.82	\$3.25	8.44%
	400	\$47.76	\$51.76	\$4.01	8.39%
	500	\$56.95	\$61.70	\$4.76	8.35%
	600	\$66.13	\$71.64	\$5.51	8.33%
	750	\$79.92	\$86.55	\$6.64	8.30%
	850	\$89.11	\$96.49	\$7.39	8.29%
	1000	\$102.89	\$111.41	\$8.52	8.28%
	1500	\$148.84	\$161.11	\$12.27	8.25%
	2000	\$194.78	\$210.81	\$16.03	8.23%
	3000	\$286.67	\$310.22	\$23.55	8.21%
	4000	\$378.56	\$409.62	\$31.06	8.20%
5000	\$470.45	\$509.03	\$38.58	8.20%	
AVERAGE MONTHLY	250	\$31.55	\$34.38	\$2.83	8.96%
	300	\$35.66	\$38.85	\$3.19	8.95%
	400	\$43.88	\$47.80	\$3.92	8.94%
	500	\$52.10	\$56.76	\$4.65	8.93%
	600	\$60.32	\$65.71	\$5.38	8.93%
	750	\$72.65	\$79.13	\$6.48	8.92%
	850	\$80.87	\$88.09	\$7.21	8.92%
	1000	\$93.20	\$101.51	\$8.31	8.91%
	1500	\$134.31	\$146.27	\$11.96	8.91%
	2000	\$175.41	\$191.02	\$15.62	8.90%
	3000	\$257.61	\$280.54	\$22.92	8.90%
	4000	\$339.82	\$370.05	\$30.23	8.90%
5000	\$422.02	\$459.56	\$37.54	8.90%	

**Comparison Of Bills At Present & Proposed Rates**

**RESIDENTIAL SERVICE - SPACE HEATING (Underground) - D03**

	Energy in kWh	Monthly Bill		Increase	
		Present	Proposed	Amount	Percent
WINTER	250	\$30.84	\$33.27	\$2.43	7.87%
	300	\$34.21	\$36.92	\$2.71	7.93%
	400	\$40.94	\$44.23	\$3.28	8.02%
	500	\$47.68	\$51.53	\$3.85	8.08%
	600	\$54.42	\$58.84	\$4.42	8.13%
	750	\$64.52	\$69.80	\$5.28	8.18%
	850	\$71.26	\$77.11	\$5.85	8.21%
	1000	\$81.36	\$88.07	\$6.70	8.24%
	1500	\$115.04	\$124.60	\$9.56	8.31%
	2000	\$148.72	\$161.13	\$12.41	8.34%
	3000	\$216.08	\$234.20	\$18.11	8.38%
	4000	\$283.44	\$307.26	\$23.82	8.40%
5000	\$350.81	\$380.33	\$29.52	8.42%	
SUMMER	250	\$36.97	\$39.85	\$2.88	7.79%
	300	\$41.57	\$44.82	\$3.25	7.83%
	400	\$50.76	\$54.76	\$4.01	7.89%
	500	\$59.95	\$64.70	\$4.76	7.94%
	600	\$69.13	\$74.64	\$5.51	7.97%
	750	\$82.92	\$89.55	\$6.64	8.00%
	850	\$92.11	\$99.49	\$7.39	8.02%
	1000	\$105.89	\$114.41	\$8.52	8.04%
	1500	\$151.84	\$164.11	\$12.27	8.08%
	2000	\$197.78	\$213.81	\$16.03	8.11%
	3000	\$289.67	\$313.22	\$23.55	8.13%
	4000	\$381.56	\$412.62	\$31.06	8.14%
5000	\$473.45	\$512.03	\$38.58	8.15%	
AVERAGE MONTHLY	250	\$32.88	\$35.46	\$2.58	7.84%
	300	\$36.66	\$39.55	\$2.89	7.89%
	400	\$44.22	\$47.74	\$3.52	7.97%
	500	\$51.77	\$55.92	\$4.15	8.02%
	600	\$59.32	\$64.11	\$4.78	8.07%
	750	\$70.65	\$76.38	\$5.73	8.11%
	850	\$78.21	\$84.57	\$6.36	8.13%
	1000	\$89.54	\$96.85	\$7.31	8.16%
	1500	\$127.31	\$137.77	\$10.46	8.22%
	2000	\$165.08	\$178.69	\$13.62	8.25%
	3000	\$240.61	\$260.54	\$19.92	8.28%
	4000	\$316.15	\$342.38	\$26.23	8.30%
5000	\$391.69	\$424.23	\$32.54	8.31%	

**Comparison Of Bills At Present & Proposed Rates**

**RESIDENTIAL TIME OF DAY SERVICE (Overhead) - D02**

On-Peak = 35%

	Energy in kWh	Monthly Bill		Increase	
		Present	Proposed	Amount	Percent
WINTER	250	\$29.93	\$32.64	\$2.71	9.05%
	300	\$33.72	\$36.77	\$3.05	9.05%
	400	\$41.29	\$45.02	\$3.73	9.05%
	500	\$48.86	\$53.28	\$4.42	9.04%
	600	\$56.43	\$61.53	\$5.10	9.04%
	750	\$67.79	\$73.92	\$6.13	9.04%
	850	\$75.36	\$82.17	\$6.81	9.04%
	1000	\$86.72	\$94.55	\$7.84	9.04%
	1500	\$124.58	\$135.83	\$11.25	9.03%
	2000	\$162.44	\$177.11	\$14.67	9.03%
	3000	\$238.16	\$259.66	\$21.51	9.03%
4000	\$313.87	\$342.22	\$28.35	9.03%	
5000	\$389.59	\$424.77	\$35.18	9.03%	
SUMMER	250	\$33.34	\$36.11	\$2.76	8.29%
	300	\$37.81	\$40.93	\$3.12	8.24%
	400	\$46.75	\$50.57	\$3.82	8.17%
	500	\$55.69	\$60.22	\$4.53	8.13%
	600	\$64.63	\$69.86	\$5.23	8.10%
	750	\$78.03	\$84.33	\$6.29	8.06%
	850	\$86.97	\$93.97	\$7.00	8.04%
	1000	\$100.38	\$108.43	\$8.05	8.02%
	1500	\$145.07	\$156.65	\$11.58	7.98%
	2000	\$189.76	\$204.87	\$15.11	7.96%
	3000	\$279.14	\$301.30	\$22.16	7.94%
4000	\$368.52	\$397.74	\$29.22	7.93%	
5000	\$457.90	\$494.17	\$36.27	7.92%	
AVERAGE MONTHLY	250	\$31.07	\$33.80	\$2.73	8.78%
	300	\$35.08	\$38.15	\$3.07	8.76%
	400	\$43.11	\$46.87	\$3.76	8.73%
	500	\$51.14	\$55.59	\$4.45	8.71%
	600	\$59.16	\$64.31	\$5.15	8.70%
	750	\$71.20	\$77.39	\$6.18	8.68%
	850	\$79.23	\$86.10	\$6.87	8.67%
	1000	\$91.27	\$99.18	\$7.91	8.67%
	1500	\$131.41	\$142.77	\$11.36	8.65%
	2000	\$171.54	\$186.36	\$14.82	8.64%
	3000	\$251.82	\$273.54	\$21.73	8.63%
4000	\$332.09	\$360.72	\$28.64	8.62%	
5000	\$412.36	\$447.91	\$35.54	8.62%	

**Comparison Of Bills At Present & Proposed Rates**

**RESIDENTIAL TIME OF DAY SERVICE - SPACE HEATING (Overhead) - D02**

On-Peak = 35%

	Energy in kWh	Monthly Bill		Increase	
		Present	Proposed	Amount	Percent
WINTER	250	\$30.77	\$33.18	\$2.42	7.86%
	300	\$34.12	\$36.82	\$2.70	7.91%
	400	\$40.83	\$44.09	\$3.27	8.00%
	500	\$47.53	\$51.37	\$3.83	8.07%
	600	\$54.24	\$58.64	\$4.40	8.11%
	750	\$64.30	\$69.55	\$5.25	8.17%
	850	\$71.00	\$76.82	\$5.82	8.19%
	1000	\$81.06	\$87.73	\$6.67	8.22%
	1500	\$114.59	\$124.10	\$9.50	8.29%
	2000	\$148.13	\$160.46	\$12.33	8.33%
	3000	\$215.19	\$233.19	\$18.00	8.37%
	4000	\$282.25	\$305.92	\$23.67	8.39%
	5000	\$349.32	\$378.65	\$29.34	8.40%
SUMMER	250	\$36.34	\$39.11	\$2.76	7.60%
	300	\$40.81	\$43.93	\$3.12	7.64%
	400	\$49.75	\$53.57	\$3.82	7.68%
	500	\$58.69	\$63.22	\$4.53	7.71%
	600	\$67.63	\$72.86	\$5.23	7.74%
	750	\$81.03	\$87.33	\$6.29	7.76%
	850	\$89.97	\$96.97	\$7.00	7.78%
	1000	\$103.38	\$111.43	\$8.05	7.79%
	1500	\$148.07	\$159.65	\$11.58	7.82%
	2000	\$192.76	\$207.87	\$15.11	7.84%
	3000	\$282.14	\$304.30	\$22.16	7.86%
	4000	\$371.52	\$400.74	\$29.22	7.86%
	5000	\$460.90	\$497.17	\$36.27	7.87%
AVERAGE MONTHLY	250	\$32.63	\$35.16	\$2.53	7.76%
	300	\$36.35	\$39.19	\$2.84	7.81%
	400	\$43.80	\$47.25	\$3.45	7.88%
	500	\$51.25	\$55.32	\$4.06	7.93%
	600	\$58.70	\$63.38	\$4.68	7.97%
	750	\$69.88	\$75.47	\$5.60	8.01%
	850	\$77.33	\$83.54	\$6.21	8.03%
	1000	\$88.50	\$95.63	\$7.13	8.06%
	1500	\$125.75	\$135.95	\$10.19	8.11%
	2000	\$163.00	\$176.26	\$13.26	8.13%
	3000	\$237.51	\$256.89	\$19.39	8.16%
	4000	\$312.01	\$337.53	\$25.52	8.18%
	5000	\$386.51	\$418.16	\$31.65	8.19%

**Comparison Of Bills At Present & Proposed Rates**

**SMALL GENERAL SERVICE**

	Energy in kWh	Monthly Bill		Increase	
		Present	Proposed	Amount	Percent
WINTER	250	\$31.52	\$34.19	\$2.68	8.49%
	300	\$35.42	\$38.43	\$3.01	8.50%
	400	\$43.23	\$46.91	\$3.68	8.51%
	500	\$51.04	\$55.39	\$4.35	8.52%
	600	\$58.85	\$63.87	\$5.02	8.53%
	750	\$70.56	\$76.58	\$6.03	8.54%
	1000	\$90.08	\$97.78	\$7.70	8.55%
	1500	\$129.12	\$140.17	\$11.05	8.56%
	2000	\$168.16	\$182.56	\$14.40	8.56%
	3000	\$246.23	\$267.34	\$21.10	8.57%
	4000	\$324.31	\$352.12	\$27.80	8.57%
5000	\$402.39	\$436.89	\$34.51	8.58%	
SUMMER	250	\$35.15	\$37.90	\$2.75	7.83%
	300	\$39.78	\$42.88	\$3.10	7.80%
	400	\$49.04	\$52.85	\$3.80	7.76%
	500	\$58.30	\$62.81	\$4.51	7.73%
	600	\$67.56	\$72.77	\$5.21	7.71%
	750	\$81.45	\$87.71	\$6.26	7.68%
	1000	\$104.60	\$112.61	\$8.01	7.66%
	1500	\$150.90	\$162.42	\$11.52	7.63%
	2000	\$197.21	\$212.23	\$15.02	7.62%
	3000	\$289.81	\$311.84	\$22.03	7.60%
	4000	\$382.41	\$411.45	\$29.04	7.59%
5000	\$475.02	\$511.07	\$36.05	7.59%	
AVERAGE MONTHLY	250	\$32.73	\$35.43	\$2.70	8.25%
	300	\$36.88	\$39.92	\$3.04	8.25%
	400	\$45.17	\$48.89	\$3.72	8.24%
	500	\$53.46	\$57.86	\$4.40	8.23%
	600	\$61.75	\$66.83	\$5.08	8.23%
	750	\$74.19	\$80.29	\$6.10	8.23%
	1000	\$94.92	\$102.72	\$7.80	8.22%
	1500	\$136.38	\$147.59	\$11.21	8.22%
	2000	\$177.84	\$192.45	\$14.61	8.21%
	3000	\$260.76	\$282.17	\$21.41	8.21%
	4000	\$343.68	\$371.89	\$28.22	8.21%
5000	\$426.60	\$461.62	\$35.02	8.21%	

**Comparison Of Bills At Present & Proposed Rates**

**GENERAL SERVICE (Secondary Voltage)**

Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
			Present	Proposed	Amount	Percent
15	3,000	200	\$319.08	\$354.28	\$35.20	11.03%
15	6,000	400	\$478.66	\$523.21	\$44.55	9.31%
15	9,000	600	\$611.24	\$662.14	\$50.90	8.33%
25	5,000	200	\$517.13	\$574.23	\$57.10	11.04%
25	10,000	400	\$783.10	\$855.78	\$72.68	9.28%
25	15,000	600	\$1,004.07	\$1,087.33	\$83.26	8.29%
50	10,000	200	\$1,012.27	\$1,124.11	\$111.84	11.05%
50	20,000	400	\$1,544.21	\$1,687.21	\$143.01	9.26%
50	30,000	600	\$1,986.14	\$2,150.31	\$164.17	8.27%
75	15,000	200	\$1,507.40	\$1,674.00	\$166.59	11.05%
75	30,000	400	\$2,305.31	\$2,518.64	\$213.33	9.25%
75	45,000	600	\$2,968.21	\$3,213.29	\$245.08	8.26%
100	20,000	200	\$2,002.54	\$2,223.88	\$221.34	11.05%
100	40,000	400	\$3,066.41	\$3,350.07	\$283.66	9.25%
100	60,000	600	\$3,950.28	\$4,276.27	\$325.98	8.25%
200	40,000	200	\$3,983.08	\$4,423.41	\$440.33	11.05%
200	80,000	400	\$6,110.82	\$6,675.79	\$564.97	9.25%
200	120,000	600	\$7,878.56	\$8,528.18	\$649.62	8.25%
300	60,000	200	\$5,963.62	\$6,622.93	\$659.32	11.06%
300	120,000	400	\$9,155.23	\$10,001.52	\$846.28	9.24%
300	180,000	600	\$11,806.85	\$12,780.10	\$973.25	8.24%
500	100,000	200	\$9,924.69	\$11,021.99	\$1,097.30	11.06%
500	200,000	400	\$15,244.05	\$16,652.96	\$1,408.91	9.24%
500	300,000	600	\$19,663.41	\$21,283.93	\$1,620.52	8.24%
1,000	200,000	200	\$19,827.38	\$22,019.63	\$2,192.24	11.06%
1,000	400,000	400	\$30,466.10	\$33,281.57	\$2,815.46	9.24%
1,000	600,000	600	\$39,304.82	\$42,543.51	\$3,238.69	8.24%
3,000	600,000	200	\$59,438.15	\$66,010.18	\$6,572.02	11.06%
3,000	1,200,000	400	\$91,354.31	\$99,796.00	\$8,441.69	9.24%
3,000	1,800,000	600	\$117,870.46	\$127,581.83	\$9,711.36	8.24%
5,000	1,000,000	200	\$99,048.92	\$110,000.73	\$10,951.80	11.06%
5,000	2,000,000	400	\$152,242.51	\$166,310.43	\$14,067.92	9.24%
5,000	3,000,000	600	\$196,436.10	\$212,620.14	\$16,184.04	8.24%

**Comparison Of Bills At Present & Proposed Rates**

**GENERAL SERVICE (Primary Voltage)**

Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
			Present	Proposed	Amount	Percent
15	3,000	200	\$306.93	\$342.25	\$35.32	11.51%
15	6,000	400	\$463.66	\$508.15	\$44.49	9.59%
15	9,000	600	\$593.39	\$644.05	\$50.66	8.54%
25	5,000	200	\$496.88	\$554.18	\$57.30	11.53%
25	10,000	400	\$758.10	\$830.68	\$72.58	9.57%
25	15,000	600	\$974.32	\$1,057.18	\$82.86	8.50%
50	10,000	200	\$971.77	\$1,084.01	\$112.24	11.55%
50	20,000	400	\$1,494.21	\$1,637.01	\$142.81	9.56%
50	30,000	600	\$1,926.64	\$2,090.01	\$163.37	8.48%
75	15,000	200	\$1,446.65	\$1,613.85	\$167.19	11.56%
75	30,000	400	\$2,230.31	\$2,443.34	\$213.03	9.55%
75	45,000	600	\$2,878.96	\$3,122.84	\$243.88	8.47%
100	20,000	200	\$1,921.54	\$2,143.68	\$222.14	11.56%
100	40,000	400	\$2,966.41	\$3,249.67	\$283.26	9.55%
100	60,000	600	\$3,831.28	\$4,155.67	\$324.38	8.47%
200	40,000	200	\$3,821.08	\$4,263.01	\$441.93	11.57%
200	80,000	400	\$5,910.82	\$6,474.99	\$564.17	9.54%
200	120,000	600	\$7,640.56	\$8,286.98	\$646.42	8.46%
300	60,000	200	\$5,720.62	\$6,382.33	\$661.72	11.57%
300	120,000	400	\$8,855.23	\$9,700.32	\$845.08	9.54%
300	180,000	600	\$11,449.85	\$12,418.30	\$968.45	8.46%
500	100,000	200	\$9,519.69	\$10,620.99	\$1,101.30	11.57%
500	200,000	400	\$14,744.05	\$16,150.96	\$1,406.91	9.54%
500	300,000	600	\$19,068.41	\$20,680.93	\$1,612.52	8.46%
1,000	200,000	200	\$19,017.38	\$21,217.63	\$2,200.24	11.57%
1,000	400,000	400	\$29,466.10	\$32,277.57	\$2,811.46	9.54%
1,000	600,000	600	\$38,114.82	\$41,337.51	\$3,222.69	8.46%
3,000	600,000	200	\$57,008.15	\$63,604.18	\$6,596.02	11.57%
3,000	1,200,000	400	\$88,354.31	\$96,784.00	\$8,429.69	9.54%
3,000	1,800,000	600	\$114,300.46	\$123,963.83	\$9,663.36	8.45%
5,000	1,000,000	200	\$94,998.92	\$105,990.73	\$10,991.80	11.57%
5,000	2,000,000	400	\$147,242.51	\$161,290.43	\$14,047.92	9.54%
5,000	3,000,000	600	\$190,486.10	\$206,590.14	\$16,104.04	8.45%

**Comparison Of Bills At Present & Proposed Rates**

**GENERAL TOD SERVICE (Secondary Voltage)**

40% On-Peak  
 60% Off-Peak

Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
			Present	Proposed	Amount	Percent
15	3,000	200	\$318.90	\$353.46	\$34.55	10.84%
15	6,000	400	\$475.31	\$518.57	\$43.26	9.10%
15	9,000	600	\$604.71	\$653.68	\$48.96	8.10%
25	5,000	200	\$514.84	\$570.87	\$56.02	10.88%
25	10,000	400	\$775.51	\$846.05	\$70.53	9.09%
25	15,000	600	\$991.19	\$1,071.23	\$80.04	8.08%
50	10,000	200	\$1,004.68	\$1,114.38	\$109.70	10.92%
50	20,000	400	\$1,526.03	\$1,664.74	\$138.72	9.09%
50	30,000	600	\$1,957.38	\$2,115.11	\$157.73	8.06%
75	15,000	200	\$1,494.52	\$1,657.90	\$163.37	10.93%
75	30,000	400	\$2,276.54	\$2,483.44	\$206.90	9.09%
75	45,000	600	\$2,923.56	\$3,158.99	\$235.42	8.05%
100	20,000	200	\$1,984.36	\$2,201.41	\$217.05	10.94%
100	40,000	400	\$3,027.06	\$3,302.14	\$275.08	9.09%
100	60,000	600	\$3,889.75	\$4,202.87	\$313.11	8.05%
200	40,000	200	\$3,943.72	\$4,375.47	\$431.75	10.95%
200	80,000	400	\$6,029.11	\$6,576.93	\$547.81	9.09%
200	120,000	600	\$7,754.50	\$8,378.38	\$623.88	8.05%
300	60,000	200	\$5,903.09	\$6,549.53	\$646.45	10.95%
300	120,000	400	\$9,031.17	\$9,851.72	\$820.55	9.09%
300	180,000	600	\$11,619.26	\$12,553.90	\$934.64	8.04%
500	100,000	200	\$9,821.81	\$10,897.66	\$1,075.85	10.95%
500	200,000	400	\$15,035.28	\$16,401.30	\$1,366.01	9.09%
500	300,000	600	\$19,348.76	\$20,904.93	\$1,556.17	8.04%
1,000	200,000	200	\$19,618.62	\$21,767.96	\$2,149.34	10.96%
1,000	400,000	400	\$30,045.57	\$32,775.24	\$2,729.67	9.09%
1,000	600,000	600	\$38,672.52	\$41,782.52	\$3,110.00	8.04%
3,000	600,000	200	\$58,805.85	\$65,249.19	\$6,443.33	10.96%
3,000	1,200,000	400	\$90,086.71	\$98,271.02	\$8,184.31	9.08%
3,000	1,800,000	600	\$115,967.56	\$125,292.86	\$9,325.29	8.04%
5,000	1,000,000	200	\$97,993.09	\$108,730.41	\$10,737.32	10.96%
5,000	2,000,000	400	\$150,127.85	\$163,766.80	\$13,638.95	9.08%
5,000	3,000,000	600	\$193,262.61	\$208,803.20	\$15,540.59	8.04%

**Comparison Of Bills At Present & Proposed Rates**

**GENERAL TOD SERVICE (Primary Voltage)**

40% On-Peak  
 60% Off-Peak

Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
			Present	Proposed	Amount	Percent
15	3,000	200	\$306.75	\$341.43	\$34.67	11.30%
15	6,000	400	\$460.31	\$503.51	\$43.20	9.38%
15	9,000	600	\$586.86	\$635.59	\$48.72	8.30%
25	5,000	200	\$494.59	\$550.82	\$56.22	11.37%
25	10,000	400	\$750.51	\$820.95	\$70.43	9.38%
25	15,000	600	\$961.44	\$1,041.08	\$79.64	8.28%
50	10,000	200	\$964.18	\$1,074.28	\$110.10	11.42%
50	20,000	400	\$1,476.03	\$1,614.54	\$138.52	9.38%
50	30,000	600	\$1,897.88	\$2,054.81	\$156.93	8.27%
75	15,000	200	\$1,433.77	\$1,597.75	\$163.97	11.44%
75	30,000	400	\$2,201.54	\$2,408.14	\$206.60	9.38%
75	45,000	600	\$2,834.31	\$3,068.54	\$234.22	8.26%
100	20,000	200	\$1,903.36	\$2,121.21	\$217.85	11.45%
100	40,000	400	\$2,927.06	\$3,201.74	\$274.68	9.38%
100	60,000	600	\$3,770.75	\$4,082.27	\$311.51	8.26%
200	40,000	200	\$3,781.72	\$4,215.07	\$433.35	11.46%
200	80,000	400	\$5,829.11	\$6,376.13	\$547.01	9.38%
200	120,000	600	\$7,516.50	\$8,137.18	\$620.68	8.26%
300	60,000	200	\$5,660.09	\$6,308.93	\$648.85	11.46%
300	120,000	400	\$8,731.17	\$9,550.52	\$819.35	9.38%
300	180,000	600	\$11,262.26	\$12,192.10	\$929.84	8.26%
500	100,000	200	\$9,416.81	\$10,496.66	\$1,079.85	11.47%
500	200,000	400	\$14,535.28	\$15,899.30	\$1,364.01	9.38%
500	300,000	600	\$18,753.76	\$20,301.93	\$1,548.17	8.26%
1,000	200,000	200	\$18,808.62	\$20,965.96	\$2,157.34	11.47%
1,000	400,000	400	\$29,045.57	\$31,771.24	\$2,725.67	9.38%
1,000	600,000	600	\$37,482.52	\$40,576.52	\$3,094.00	8.25%
3,000	600,000	200	\$56,375.85	\$62,843.19	\$6,467.33	11.47%
3,000	1,200,000	400	\$87,086.71	\$95,259.02	\$8,172.31	9.38%
3,000	1,800,000	600	\$112,397.56	\$121,674.86	\$9,277.29	8.25%
5,000	1,000,000	200	\$93,943.09	\$104,720.41	\$10,777.32	11.47%
5,000	2,000,000	400	\$145,127.85	\$158,746.80	\$13,618.95	9.38%
5,000	3,000,000	600	\$187,312.61	\$202,773.20	\$15,460.59	8.25%

**Comparison Of Bills At Present & Proposed Rates**

**PEAK-CONTROLLED SERVICE (Secondary Voltage)**

**Tier 2 Perf Factor B - No Firm Demand**

Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
			Present	Proposed	Amount	Percent
50	10,000	200	\$843.94	\$944.45	\$100.51	11.91%
50	20,000	400	\$1,375.87	\$1,507.54	\$131.67	9.57%
50	30,000	600	\$1,817.81	\$1,970.64	\$152.83	8.41%
75	15,000	200	\$1,254.90	\$1,404.50	\$149.59	11.92%
75	30,000	400	\$2,052.81	\$2,249.14	\$196.33	9.56%
75	45,000	600	\$2,715.71	\$2,943.79	\$228.08	8.40%
100	20,000	200	\$1,665.87	\$1,864.54	\$198.67	11.93%
100	40,000	400	\$2,729.74	\$2,990.74	\$260.99	9.56%
100	60,000	600	\$3,613.62	\$3,916.93	\$303.32	8.39%
150	30,000	200	\$2,487.81	\$2,784.64	\$296.83	11.93%
150	60,000	400	\$4,083.62	\$4,473.93	\$390.32	9.56%
150	90,000	600	\$5,409.42	\$5,863.22	\$453.80	8.39%
200	40,000	200	\$3,309.74	\$3,704.74	\$394.99	11.93%
200	80,000	400	\$5,437.49	\$5,957.13	\$519.64	9.56%
200	120,000	600	\$7,205.23	\$7,809.52	\$604.28	8.39%
300	60,000	200	\$4,953.62	\$5,544.93	\$591.32	11.94%
300	120,000	400	\$8,145.23	\$8,923.52	\$778.28	9.56%
300	180,000	600	\$10,796.85	\$11,702.10	\$905.25	8.38%
400	80,000	200	\$6,597.49	\$7,385.13	\$787.64	11.94%
400	160,000	400	\$10,852.97	\$11,889.90	\$1,036.93	9.55%
400	240,000	600	\$14,388.46	\$15,594.68	\$1,206.22	8.38%
500	100,000	200	\$8,241.36	\$9,225.32	\$983.96	11.94%
500	200,000	400	\$13,560.72	\$14,856.29	\$1,295.57	9.55%
500	300,000	600	\$17,980.08	\$19,487.26	\$1,507.19	8.38%
1,000	200,000	200	\$16,460.72	\$18,426.29	\$1,965.57	11.94%
1,000	400,000	400	\$27,099.44	\$29,688.23	\$2,588.80	9.55%
1,000	600,000	600	\$35,938.15	\$38,950.18	\$3,012.02	8.38%
3,000	600,000	200	\$49,338.15	\$55,230.18	\$5,892.02	11.94%
3,000	1,200,000	400	\$81,254.31	\$89,016.00	\$7,761.69	9.55%
3,000	1,800,000	600	\$107,770.46	\$116,801.83	\$9,031.36	8.38%
5,000	1,000,000	200	\$82,215.59	\$92,034.06	\$9,818.47	11.94%
5,000	2,000,000	400	\$135,409.18	\$148,343.77	\$12,934.59	9.55%
5,000	3,000,000	600	\$179,602.77	\$194,653.48	\$15,050.71	8.38%

**Comparison Of Bills At Present & Proposed Rates**

**PEAK-CONTROLLED TOD SERVICE (Secondary Voltage)**

40% On-Peak

**Tier 2 Perf Factor B - No Firm Demand**

60% Off-Peak

Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
			Present	Proposed	Amount	Percent
50	10,000	200	\$836.35	\$934.71	\$98.37	11.76%
50	20,000	400	\$1,357.70	\$1,485.08	\$127.38	9.38%
50	30,000	600	\$1,789.04	\$1,935.44	\$146.40	8.18%
75	15,000	200	\$1,242.02	\$1,388.40	\$146.37	11.79%
75	30,000	400	\$2,024.04	\$2,213.94	\$189.90	9.38%
75	45,000	600	\$2,671.06	\$2,889.49	\$218.42	8.18%
100	20,000	200	\$1,647.70	\$1,842.08	\$194.38	11.80%
100	40,000	400	\$2,690.39	\$2,942.81	\$252.42	9.38%
100	60,000	600	\$3,553.09	\$3,843.53	\$290.45	8.17%
150	30,000	200	\$2,459.04	\$2,749.44	\$290.40	11.81%
150	60,000	400	\$4,023.09	\$4,400.53	\$377.45	9.38%
150	90,000	600	\$5,317.13	\$5,751.63	\$434.50	8.17%
200	40,000	200	\$3,270.39	\$3,656.81	\$386.42	11.82%
200	80,000	400	\$5,355.78	\$5,858.26	\$502.48	9.38%
200	120,000	600	\$7,081.17	\$7,659.72	\$578.55	8.17%
300	60,000	200	\$4,893.09	\$5,471.53	\$578.45	11.82%
300	120,000	400	\$8,021.17	\$8,773.72	\$752.55	9.38%
300	180,000	600	\$10,609.26	\$11,475.90	\$866.64	8.17%
400	80,000	200	\$6,515.78	\$7,286.26	\$770.48	11.82%
400	160,000	400	\$10,686.56	\$11,689.17	\$1,002.61	9.38%
400	240,000	600	\$14,137.34	\$15,292.08	\$1,154.74	8.17%
500	100,000	200	\$8,138.48	\$9,100.99	\$962.51	11.83%
500	200,000	400	\$13,351.95	\$14,604.63	\$1,252.68	9.38%
500	300,000	600	\$17,665.43	\$19,108.27	\$1,442.84	8.17%
1,000	200,000	200	\$16,251.95	\$18,174.63	\$1,922.68	11.83%
1,000	400,000	400	\$26,678.90	\$29,181.91	\$2,503.00	9.38%
1,000	600,000	600	\$35,305.85	\$38,189.19	\$2,883.33	8.17%
3,000	600,000	200	\$48,705.85	\$54,469.19	\$5,763.33	11.83%
3,000	1,200,000	400	\$79,986.71	\$87,491.02	\$7,504.31	9.38%
3,000	1,800,000	600	\$105,867.56	\$114,512.86	\$8,645.29	8.17%
5,000	1,000,000	200	\$81,159.76	\$90,763.74	\$9,603.98	11.83%
5,000	2,000,000	400	\$133,294.52	\$145,800.14	\$12,505.62	9.38%
5,000	3,000,000	600	\$176,429.27	\$190,836.53	\$14,407.26	8.17%

**Comparison Of Bills At Present & Proposed Rates**

**TIER 1 ENERGY-CONTROLLED RIDER (Secondary Voltage)**

40% On-Peak

**Perf Factor C - No Firm Demand**

60% Off-Peak

Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
			Present	Proposed	Amount	Percent
50	10,000	200	\$763.15	\$861.41	\$98.27	12.88%
50	20,000	400	\$1,266.30	\$1,396.98	\$130.68	10.32%
50	30,000	600	\$1,679.44	\$1,832.54	\$153.10	9.12%
75	15,000	200	\$1,132.22	\$1,278.45	\$146.22	12.91%
75	30,000	400	\$1,886.94	\$2,081.79	\$194.85	10.33%
75	45,000	600	\$2,506.66	\$2,735.14	\$228.47	9.11%
100	20,000	200	\$1,501.30	\$1,695.48	\$194.18	12.93%
100	40,000	400	\$2,507.59	\$2,766.61	\$259.02	10.33%
100	60,000	600	\$3,333.89	\$3,637.73	\$303.85	9.11%
150	30,000	200	\$2,239.44	\$2,529.54	\$290.10	12.95%
150	60,000	400	\$3,748.89	\$4,136.23	\$387.35	10.33%
150	90,000	600	\$4,988.33	\$5,442.93	\$454.60	9.11%
200	40,000	200	\$2,977.59	\$3,363.61	\$386.02	12.96%
200	80,000	400	\$4,990.18	\$5,505.86	\$515.68	10.33%
200	120,000	600	\$6,642.77	\$7,248.12	\$605.35	9.11%
300	60,000	200	\$4,453.89	\$5,031.73	\$577.85	12.97%
300	120,000	400	\$7,472.77	\$8,245.12	\$772.35	10.34%
300	180,000	600	\$9,951.66	\$10,858.50	\$906.84	9.11%
400	80,000	200	\$5,930.18	\$6,699.86	\$769.68	12.98%
400	160,000	400	\$9,955.36	\$10,984.37	\$1,029.01	10.34%
400	240,000	600	\$13,260.54	\$14,468.88	\$1,208.34	9.11%
500	100,000	200	\$7,406.48	\$8,367.99	\$961.51	12.98%
500	200,000	400	\$12,437.95	\$13,723.63	\$1,285.68	10.34%
500	300,000	600	\$16,569.43	\$18,079.27	\$1,509.84	9.11%
1,000	200,000	200	\$14,787.95	\$16,708.63	\$1,920.68	12.99%
1,000	400,000	400	\$24,850.90	\$27,419.91	\$2,569.00	10.34%
1,000	600,000	600	\$33,113.85	\$36,131.19	\$3,017.33	9.11%
3,000	600,000	200	\$44,313.85	\$50,071.19	\$5,757.33	12.99%
3,000	1,200,000	400	\$74,502.71	\$82,205.02	\$7,702.31	10.34%
3,000	1,800,000	600	\$99,291.56	\$108,338.86	\$9,047.29	9.11%
5,000	1,000,000	200	\$73,839.76	\$83,433.74	\$9,593.98	12.99%
5,000	2,000,000	400	\$124,154.52	\$136,990.14	\$12,835.62	10.34%
5,000	3,000,000	600	\$165,469.27	\$180,546.53	\$15,077.26	9.11%

		SERVICE CATEGORY					
		Residential	C&I Non-Dmd	C&I Demand	Outdoor Lighting	RETAIL	
<b>STEP 1: CLASS RATIOS</b>							
1.	Hourly Marginal Energy Costs x Hourly Loads*	\$23,468,942	\$3,892,825	\$40,081,824	\$425,778	\$67,869,370	
2.	MWh Energy at Generator	867,578	139,041	1,473,283	21,376	2,501,278	
3.	Load-Weighted Marginal Energy Cost /MWh =(1)/(2)	\$27.051	\$27.998	\$27.206	\$19.919	\$27.134	
4.	<b>Class Ratio (Class Unit Cost / Retail Unit Cost)</b>	<b>0.9969</b>	<b>1.0318</b>	<b>1.0027</b>	<b>0.7341</b>	<b>1.0000</b>	
<b>STEP 2: C&amp;I DEMAND TOD RATIOS</b>							
			Non-TOD	On-Peak	Off-Peak		
5.	Ratio of On-Peak to Off-Peak System Weighted Marginal Energy Costs			1.609			
6.	C&I Demand Class Time-of-Day Percentages from 8760 loads			0.4278	0.5722		
7.	C&I Demand TOD On-Peak Ratio = 1 / (0.4278 + (0.5722 / 1.609)) **			<b>1.2764</b>			
8.	C&I Demand TOD Off-Peak Ratio = 1 / ((1.609 x 0.4278) + 0.5722) **				<b>0.7933</b>		
9.	C&I Demand Non-TOD On-Peak Weighting		0.4603				
10.	C&I Demand Non-TOD Off-Peak Weighting		0.5397				
11.	C&I Demand Non-TOD Ratio = (0.4603 x 1.2764) + (0.5397 x 0.7933)		<b>1.0157</b>				
<b>STEP 3: SERVICE CATEGORY RATIOS</b>							
12.	= Step 1, or for C&I Demand, Step 1 x Step 2	<b>0.9969</b> (4)	<b>1.0318</b> (4)	<b>1.0184</b> (4) x (11)	<b>1.2798</b> (4) x (7)	<b>0.7954</b> (4) x (8)	<b>0.7341</b> (4)

\* E8760 Allocator = Sum of Hourly System Marginal Costs times Hourly Class Loads

\*\* Based on C&I Demand Weighted Average = (42.78% class on-peak x on-peak charge) + (57.22% class off-peak x off-peak charge)

Northern States Power Company	Case No. PU-12-_____
Electric Utility – State of North Dakota	Exhibit____(SVH-1), Schedule 8
	Page 1 of 1
<b>Summary List of Tariff Changes (Other than Updated Rates)</b>	

<u>Tariff</u>	<u>Sheet No.</u>	<u>Rate Codes</u>	<u>Changes</u>
Table of Contents	1-2, 1-3		Updated table of contents.
Rate Schedules – Table of Contents	5-TOC-2		Updated table of contents.
Small General Service	5-19, 5-20	D12	Removed closed rate code D15. Deleted Determination of Connected Load for Direct Current Service section.
General Service	5-26	D16	Deleted reference to closed Economic Development Rider.
General Time of Day Service	5-29	D17	Deleted reference to closed Economic Development Rider.
Peak-Controlled Service	5-34	D20	Deleted reference to closed Economic Development Rider.
Peak-Controlled Time of Day Service	5-38	D21	Deleted reference to closed Economic Development Rider.
Fuel Cost Rider	5-76.1		Updated Service Category Ratios. Removed closed rate code D15.
Economic Development Rider	5-84, 5-85		Marked as closed.
Transmission Cost Recovery Rider	5-86		New rider.
General Rules and Regulations – Availability of Service Under Rate Schedules	6-9		Removed language regarding Direct Current.
General Rules and Regulations – Account History Charge	6-19		Added clarifying language.
Contracts – Table of Contents	7-TOC-1		Updated table of contents.
Electric Service Agreement – Energy-Controlled	7-1, 7-2, 7-3		Canceled sheets.
Electric Service Agreement – Peak-Controlled	7-6, 7-7		Deleted Minimum Demand Charge Differential. Updated bullet numbers.