



Direct Testimony and Schedules
Steven V. Huso

Before the North Dakota Public Service Commission
State of North Dakota

In the Matter of the Application of
Northern States Power Company, a Minnesota Corporation

For Authority to Increase Rates for
Electric Service in North Dakota

Case No. PU-07-776
Exhibit 15

Rate Design

December 7, 2007

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1 I. INTRODUCTION AND QUALIFICATIONS

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Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is Steven V. Huso. My business address is 414 Nicollet Mall, Minneapolis, Minnesota, 55401.

Q. BY WHOM ARE YOU EMPLOYED AND WHAT IS YOUR POSITION?

A. I am employed as a Pricing Consultant for Xcel Energy Services Inc.

Q. PLEASE SUMMARIZE YOUR QUALIFICATIONS AND EXPERIENCE.

A. I have a 1976 Bachelor of Arts degree in Mathematics and Economics from St. Olaf College, and a 1979 Master of Business Administration degree from the University of St. Thomas. In 1979, I began employment as a pricing analyst with Northern States Power Company. I was Administrator-Rate Research from 1992 until beginning my current position in 2000, except from 1993 to 1995 when I had the Administrator-Pricing position for Northern States Power Company - Wisconsin. I have developed several papers and a book chapter on electric utility pricing issues. My job responsibilities include supporting the pricing functions and developing rate design improvements for the utility operating subsidiaries of Xcel Energy. My experience includes previously testifying before the North Dakota Public Service Commission (the "Commission") and sponsoring rate design testimony in proceedings before state regulatory commissions in Minnesota, Wisconsin, South Dakota and Colorado.

1 Q. FOR WHOM ARE YOU TESTIFYING?

2 A. I am testifying on behalf of Xcel Energy, a Minnesota corporation (“Xcel
3 Energy” or “Company”) operating in North Dakota (“Electric Utility-North
4 Dakota jurisdiction”).

5

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

7 A. I present the Company’s proposed class revenue responsibility and rate
8 revenue analysis. I also present the Company’s electric rate design proposals,
9 except for the selected rate design revisions presented by Mr. Phillip Zins.

10

11 Q. WHAT SCHEDULES ARE INCLUDED IN YOUR FILED EXHIBIT____(SVH-1)?

12 A. My Exhibit____(SVH-1) includes the following:

13 Schedule 1 - Sales and Revenue by Rate Schedule

14 Schedule 2 – Summary of Present and Proposed Rates

15 Schedule 3 - Monthly Bills Using Present and Proposed Rates

16 Schedule 4 - Sales and Revenue by Rate Component

17

18 I am also sponsoring the following schedules included with the NOTICE OF
19 CHANGE IN RATES FOR ELECTRIC SERVICE:

20 Under the Tab “Deficiency & Proposed Revenue”

21 Schedule 2 - Proposed Revenue Apportionment

22 Schedule 3 - Summary of Present and Proposed Rates

23 Schedule 4 - Monthly Bills Using Present and Proposed Rates

24 Schedule 7 - Proposed Rate Schedules - Red Line

25 Schedule 8 - Proposed Rate Schedules – Final

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3 **II. RATE REVENUE ANALYSIS**

4 Q. WHAT ARE 2008 TEST YEAR ELECTRIC REVENUES FROM SALES AT PRESENT
5 AND PROPOSED RATE LEVELS?

6 A. The test year revenues at present and proposed rates for the Electric Utility-
7 North Dakota jurisdiction are \$147,179,000 and \$167,714,000 respectively.
8 The resulting revenue deficiency is an increase of \$20,535,000 over present
9 rates, representing an average increase of 13.95%. The Company proposes to
10 recover this total increase of \$20,535,000 by a \$20,457,000 (\$20,535,000
11 minus \$78,000) proposed increase in rate revenues and a \$78,000 proposed
12 increase in other miscellaneous revenues. The total revenue deficiency is
13 developed by Ms. Anne Heuer in her Direct Testimony. Test year revenues
14 are based on an application of test-year budgeted sales, supported by Ms.
15 Jannell Marks in her Direct Testimony, to both present and proposed rates.

16 Q. HAVE YOU PROVIDE A SUMMARY OF TEST YEAR REVENUES?

17 A. Yes. Test year present and proposed revenues are summarized by rate
18 schedule in Exhibit ____ (SVH-1), Schedule 1. The detailed development of
19 present and proposed revenues by rate component is included as Exhibit ____
20 (SVH-1), Schedule 4.

21
22 Q. PLEASE DESCRIBE THE OTHER SCHEDULES IN YOUR EXHIBIT ____ (SVH-1).

23 A. Schedule 2 provides a comparison of present rates with the proposed rates.
24 The Schedule includes a comparison of present and proposed base rates and a
25 comparison of present and proposed base rates including fuel costs.
26

1 Schedule 3 provides a monthly bill comparison of the present and proposed
2 rates at different usage levels.

3

4 **III. CLASS REVENUE RESPONSIBILITY**

5

6 Q. HOW DID THE COMPANY DETERMINE THE PROPOSED DISTRIBUTION OF CLASS
7 REVENUE RESPONSIBILITY?

8 A. The primary guideline was the embedded class cost of service study
9 (“CCOSS”) sponsored by Mr. Zins in this proceeding. Proposed class
10 revenues were set close to CCOSS level, with minor adjustments for other
11 rate design objectives. This approach promotes equitable and accurate pricing
12 by minimizing, to the extent practical, revenue subsidies between class and
13 rate schedules.

14

15 Q. PLEASE COMPARE PRESENT AND PROPOSED REVENUES BY MAJOR CLASS WITH
16 THE RESULTS OF THE CCOSS.

17 A. Major class revenues are compared below in Table 1 below. In the table, class
18 revenue at “cost” is the sum of present revenue and the average of unadjusted
19 and adjusted class revenue deficiencies from the CCOSS.

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TABLE 1 – Revenue by Class (\$1,000's)					
Class	Present	Cost	Proposed	Prop Inc	Prop % Inc
Residential	57,724	66,023	65,968	8,246	14.28%
C&I Non-Demand	10,436	11,995	11,988	1,552	14.88%
C&I Demand	77,139	87,789	87,799	10,661	13.82%
Lighting	1,881	1,829	1,880	0	-0.02%
Total Retail	147,179	167,636	167,636	20,459	13.90%
Other Rev Increase		78	78	78	
Total Revenue	147,179	167,714	167,714	20,535	13.95%

1

2

IV. RESIDENTIAL RATE DESIGN

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A. Residential Service

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Q. WHAT CHANGES ARE PROPOSED FOR RESIDENTIAL SERVICE?

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A. The most significant proposed rate design change is eliminating the present declining block energy rates. Flat energy rates are proposed to replace the present energy rate structure, which decreases energy rates by 0.9¢ per kWh for monthly usage over 1000 kWh. This existing declining block rate structure, which the Company is proposing to eliminate, currently produces a bill that is \$9.00 higher for the first 1000 kWh, than for additional 1000 kWh blocks. To offset the billing impact of proposed flat energy rates, which shifts some of this \$9.00 to higher usage levels, the Company is proposing a greater increase in customer charges than would have been the case if declining block energy rates were retained. This has the effect of dampening the percentage increase for customers with higher than average usage. The proposed increase in the Residential Service customer charge is from the present \$5.50 to \$9.00 for overhead service without electric space heating. This brings the

19

1 customer charge up to only 60% of the \$14.98 customer cost level shown in
2 Mr. Zins' CCOSS cost study.

3
4 Q. IS THE SEPARATE RATE STRUCTURE FOR ELECTRIC SPACE HEATING SERVICE
5 RETAINED IN THE PROPOSED RESIDENTIAL SERVICE TARIFF?

6 A. Yes. The present tariff includes a lower winter energy rate for monthly usage
7 over 1000 kWh, which recognizes the lower average cost per kWh of electric
8 space heating. The proposed tariff continues to recognize this cost difference
9 through the combination of a 0.85¢ per kWh lower flat winter energy rate and
10 a \$3.00 higher customer charge. This proposal eliminates the declining block
11 energy rate, while retaining a lower winter energy rate for electric space
12 heating.

13
14 Q. WHY IS A HIGHER CUSTOMER CHARGE PROPOSED FOR ELECTRIC SPACE
15 HEATING CUSTOMERS?

16 A. During the months that summer rates are not in effect (October through May,
17 or "winter"), the proposed tariff applies a lower space heating energy rate to
18 all energy use, as opposed to only usage over 1000 kWh. The higher
19 customer charge allows a lower winter energy rate by reducing the over-
20 recovery of customer-related costs that would otherwise occur from the
21 higher-usage space heating customers. This over-recovery results from the
22 significant amount of customer-related costs recovered through the energy
23 charge. An additional benefit of the higher customer charge is that it provides
24 a disincentive to requesting the electric space heating rate for customers who
25 are not electric space heating customers. This disincentive results from a
26 higher customer charge that is not offset by energy rate savings for lower
27 energy usage levels that are more typical of non-space heating customers.

1 Q. IS THE PROPOSED REVENUE INCREASE DIFFERENT FOR ELECTRIC SPACE
2 HEATING CUSTOMERS?

3 A. Yes. The proposed revenue increase is 12.7 percent for electric space heating
4 customers and 15.1 percent for customers without electric space heating. The
5 proposed total Residential average increase is 14.4 percent. This space
6 heating rate differential is supported by the CCOSS.

7

8 **B. Residential Time Of Day Service**

9

10 Q. HOW DID YOU DEVELOP PROPOSED RESIDENTIAL TIME OF DAY (“TOD”)
11 RATES?

12 A. The proposed customer charge for Residential TOD Service retains the
13 present rate design of a \$2.00 increment compared to non-TOD customer
14 charges, to recover additional TOD service costs. Weighted average TOD
15 energy charges were designed to equal comparable Residential Service energy
16 charges, when weighted by the average residential class TOD usage.

17

18 **C. Energy-Controlled Service (Non-Demand)**

19

20 Q. HOW WAS THE ENERGY CHARGE DETERMINED FOR ENERGY-CONTROLLED
21 SERVICE (NON-DEMAND)?

22 A. The proposed energy charge is based on the proposed Residential Service
23 winter energy rate for electric space heating customers, which was further
24 discounted to reflect the change in value of service that results from the
25 interruption requirements of the Energy-Controlled Service (Non-Demand)
26 tariff.

27

1 **D. Limited Off-Peak Service**

2

3 Q. HOW WAS THE PROPOSED ENERGY CHARGE DETERMINED FOR LIMITED OFF-
4 PEAK SERVICE?

5 A. The proposed energy charge was developed by starting with the proposed
6 Residential TOD off-peak energy rate. This off-peak rate was reduced by the
7 difference in marginal energy costs associated with the shorter and lower-cost
8 time period used for Limited Off-Peak Service, as compared with the
9 marginal energy costs for the Residential TOD off-peak period.

10

11 **V. COMMERCIAL AND INDUSTRIAL RATE DESIGN**

12

13 **A. Small General Service and Small General TOD Service**

14

15 Q. PLEASE EXPLAIN THE BASIS FOR THE PROPOSED SMALL GENERAL SERVICE
16 AND SMALL GENERAL TOD SERVICE RATES.

17 A. The proposed rate design for the Small General and Small General TOD rates
18 is consistent with the present rate design, and also with the proposed
19 Residential tariffs. The proposed energy rate level is slightly higher than for
20 Residential energy rate levels, due to the higher cost of service level that is
21 significantly affected by the higher on-peak usage percent of the Commercial
22 and Industrial (“C&I”) non-demand class.

23

24 **B. General Service and General TOD Service**

25

26 Q. PLEASE EXPLAIN THE PROPOSED RATE DESIGN FOR GENERAL SERVICE AND
27 GENERAL TOD SERVICE.

1 A. The proposed rates retain the present rate design of equal demand charges
2 and equivalent energy charges for General Service and General TOD
3 Services. The present seasonal demand charge differential of \$2.31 per kW
4 was increased to \$3.50 per kW to better reflect seasonal cost differences. The
5 proposed 1.70 ratio of on-peak to off-peak TOD energy rates is an increase
6 from the present 1.33 ratio, but also moderated from the 1.78 ratio of
7 marginal energy costs.

8
9 Q. PLEASE EXPLAIN THE ENERGY CHARGE CREDIT AND ANY PROPOSED
10 CHANGES.

11 A. The Energy Charge Credit is a rate provision that applies a credit per kWh to
12 energy use above the level of 400 hours use. This energy use is determined as
13 total monthly kWh, less the product of monthly peak kW times 400 hours. In
14 the Company's proposed rate design, the present 0.7¢ per kWh Energy
15 Charge Credit increases to 0.9¢ per kWh.

16
17 Q. WHAT IS THE BASIS FOR THE ENERGY CHARGE CREDIT?

18 A. The Energy Charge Credit is designed to recognize that as customer load
19 factors increase, the corresponding changes in energy use patterns result in a
20 lower average energy cost that is not fully recognized by a conventional
21 demand and energy charge rate structure. The proposed Energy Charge
22 Credit level recognizes the net average reduction in marginal energy costs
23 associated with higher load factors.

24
25 Q. IS THE PROPOSED ENERGY CHARGE CREDIT SUPPORTED BY A COST ANALYSIS?

26 A. Yes. The proposed Energy Charge Credit is based on an analysis of energy
27 cost differences by load factor, using the hourly load patterns of load research

1 sample customers. These load characteristics were used to determine
 2 weighted average amounts per kWh for marginal energy costs and proposed
 3 rates with and without the energy charge credit. These results were
 4 summarized for levels of 400, 450, 500, 550, 600 and 650 hours use. Next,
 5 rate and cost decreases from the 400 hours use level used as the threshold for
 6 the energy charge credit were determined. This calculation is the difference
 7 between average rates and marginal energy cost amounts at the 400 hours use
 8 level, and those at higher hours use levels. The results, summarized in the
 9 below table, show a close match between proposed rates that include the
 10 proposed energy charge credit of 0.9¢ per kWh and total marginal energy
 11 costs.

TABLE 2

Rate and Cost Decrease from 400 Hours Use Level (per kWh)

Hours Use:	450	500	550	600	650
Rate without ECC	0.05¢	0.10¢	0.15¢	0.20¢	0.25¢
Proposed Rate with ECC	0.05¢	0.18¢	0.30¢	0.40¢	0.50¢
Marginal Energy Cost	0.09¢	0.18¢	0.28¢	0.37¢	0.46¢

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- Q. ARE ANY OTHER CHANGES PROPOSED FOR GENERAL SERVICE AND GENERAL TOD SERVICE?
- A. Yes. The Determination of Demand Provision was revised to reduce the bills of customers with very low load factors. The present billed kW demand limit is monthly kWh energy divided by 75 hour use (10% load factor). The proposed provision revises this limit to 100 hours use (14% load factor). This provision automatically caps billed kW to limit the average price per kWh

1 produced by a demand/energy rate structure. The proposed change reduces
2 the maximum average price of proposed rates from 16.1¢ per kWh to 13.3¢
3 per kWh. An additional benefit of this reduction is that it moderates the
4 billing impact on customers transferring from an energy-only service to a
5 demand/energy service, which is a service requirement after customer load
6 reaches 25 kW.

7
8 **C. Interruptible Rate Schedules**

9
10 Q. PLEASE DESCRIBE THE PROPOSED STRUCTURAL CHANGES TO THE
11 INTERRUPTIBLE TARIFFS.

12 A. The Company proposes to establish a new “tier” of interruptible service in
13 the Peak-Controlled Service and Peak-Controlled TOD Service tariffs. The
14 current level of controllable service will be a Tier 2 service. Tier 1 will be the
15 new level of controllable service, which will have additional interruption
16 hours and higher interruption credits.

17
18 Q. WHAT DO YOU MEAN BY THE TERMS TIER 1 AND TIER 2?

19 A. The two tiers reflect differences in the amount of allowable interruption, with
20 Tier 1 allowing a greater level of interruption. A customer has the option of
21 selecting interruptible service under either Tier 1 or Tier 2.

22
23 Q. WHAT IS THE PURPOSE OF THE NEW TIER 1 LEVEL OF INTERRUPTIBLE
24 SERVICE?

25 A. Through its experience with interruptible load programs over many years, the
26 Company has learned that some customers are willing to accept greater levels
27 of interruption requirements and those greater levels of interruption have

1 greater value to the Company in meeting its need for peak period resources,
2 justifying a greater interruptible discount.

3

4 Q. PLEASE EXPLAIN THE REQUIRED PERFORMANCE CHARACTERISTICS OF THE
5 NEW TIER 1 LEVEL OF SERVICE AS COMPARED TO THE EXISTING TIER 2 LEVEL
6 OF SERVICE.

7 A. The difference in performance requirements consists of three factors. The
8 first factor is the number of hours the Company is allowed to interrupt the
9 customer. The new Tier 1 level of service provides the Company with up to
10 150 hours of time that the customers can be interrupted, compared to 80
11 hours for existing Tier 2 service. The second factor is the number of years
12 that an interruptible customer will contractually commit to being interruptible
13 at the selected Tier. The new Tier 1 level of service requires the customer to
14 commit to ten years of interruptible service under Tier 1, rather than the
15 existing five year commitment for Tier 2 level service. The third factor is the
16 amount of notice an interruptible customer is required to give the Company if
17 it chooses to end its service under the Peak-Controlled service tariff. The
18 new Tier 1 Peak-Controlled level of service requires three years notice of
19 cancellation, while the existing Tier 2 level only requires six months notice.

20

21 Q. IS THE PROPOSED PEAK-CONTROLLED TIER 1 SERVICE LEVEL LARGELY BASED
22 ON THE PRESENT ENERGY-CONTROLLED SERVICE TARIFF?

23 A. Yes. The proposed Tier 1 service is closely modeled after the present Energy-
24 Controlled Service tariff. The primary differences are the reduction of the
25 maximum 300 annual interruption hours and the elimination of the additional
26 energy charge credits that are unique to Energy-Controlled Service.

27

1 Q. IS THE COMPANY PROPOSING TO CANCEL ENERGY-CONTROLLED SERVICE?

2 A. No. The Company is proposing to continue providing Energy-Controlled
3 Service though a revised tariff structure. The Company proposes to cancel
4 the separate Energy-Controlled Service tariff and replace it with a new rider to
5 the Tier 1 level of the proposed Peak-Controlled TOD Service tariff. This
6 new rider is called the Tier 1 Energy-Controlled Service Rider.

7

8 Q. PLEASE EXPLAIN THE NEW TIER 1 ENERGY-CONTROLLED SERVICE RIDER AS
9 COMPARED TO THE EXISTING ENERGY-CONTROLLED SERVICE TARIFF.

10 A. While the two are conceptually the same, the new Tier 1 Energy-Controlled
11 Service Rider contains the terms and conditions the Company has learned
12 from experience are needed to offer this type of service. First, the level of
13 interruptible performance that the Company believes is appropriate for an
14 energy-controlled type of customer is the same as those contained in the Tier
15 1 Peak Controlled Service provision. Therefore, the Company has made its
16 Energy-Controlled Service offering a rider to the Tier 1 level of Peak-
17 Controlled Service tariff. This avoids needing to repeat all of the provisions
18 already contained in that tariff. Further, the Company's proposed Tier 1
19 Energy-Controlled Service Rider changes the determination of when an
20 energy-control period will be called by the Company from when oil-fired
21 generation (or equivalent purchases) is required to when the Company's
22 estimate of production cost or purchases exceeds \$70 per MWh.

23

24 Q. WHY WAS THIS PRICE THRESHOLD CHOSEN?

25 A. This price threshold was chosen to be consistent with the level of energy cost
26 savings that is offered to customers that participate in the Energy-Control
27 Rider. In other words, this price threshold should result in enough hours of

1 potential Energy-Control periods so that there is a matching between the
2 savings the customer achieves under the Energy-Control Rider and the
3 additional costs the customer would incur by taking energy under the Control
4 Period Energy rate if the customer uses energy during the control periods.
5 For example, with a price threshold of \$70 per MWh and the forecast of
6 marginal energy costs for test year 2008, it is estimated that there would be
7 close to 1600 hours or just under 18% of the time when that threshold would
8 be exceeded. Given that a portion of those hours would occur for only short
9 periods of time (less than the four consecutive hours that the Company
10 requires before an Energy-Control interrupt is called) or with too short an
11 advance notice to effectively be able to interrupt the Energy-Control
12 customer, the Company believes that the total number of hours at or above
13 this price threshold will reasonably result in use of a significant portion of the
14 300 hours that Energy-Control customers have contracted to be available for
15 interruption. Thus, if the customers “buy through” during 127 hours of these
16 Energy-Control interruptions, paying the buy through energy price instead of
17 the controllable energy price, the additional cost they incur will be close to the
18 savings they receive from the discounted energy price they pay for being on
19 the Energy-Control rate.

20

21 Q. HAVE THE PROPOSED CONTROLLABLE DEMAND CHARGE DISCOUNTS
22 CHANGED FROM EXISTING LEVELS?

23 A. No. The Company proposes to retain the same discount levels, which
24 represent the price paid by all customers for this source of peaking capacity.
25 The present Peak-Controlled Service discounts were used for Tier 2 service,
26 and the present Energy-Controlled Service discounts were used for Tier 1
27 service.

1 Q. PLEASE EXPLAIN ANY PROPOSED LANGUAGE CHANGES TO THE
2 INTERRUPTIBLE SERVICE TARIFFS.

3 A. The Company is proposing a number of revisions to the interruptible service
4 tariffs to update tariff language and improve clarity. The majority of the
5 proposed changes fall into two categories. First, there are proposed changes
6 to improve the accuracy of tariff language. For example, the defined term
7 “Predetermined Demand Level” is capitalized to clarify its use as a defined
8 term to ensure alternative meanings are not attached to the separate words
9 predetermined, demand or level. Second, new language is proposed to more
10 fully describe the application of the tariffs. For example, because customers
11 often misunderstand the Optional Predetermined Demand Level provision,
12 proposed additional language more fully describes its application for the
13 customer and clarifies this provision.

14
15 **D. Real-Time Pricing Service**

16
17 Q. IS THE COMPANY PROPOSING TO ESTABLISH A REAL-TIME PRICING (“RTP”)
18 RATE OPTION FOR NORTH DAKOTA CUSTOMERS?

19 A. Yes. A RTP Service tariff is proposed as an optional service for customers
20 with loads over 1000 kW.

21
22 Q. HOW WERE PROPOSED RTP ENERGY RATES DETERMINED?

23 A. A separate set of energy rates is established for each of eight different day-
24 types. The annual class load weighted average of all day-type energy rates is
25 equal to the proposed General Service energy rate.

26
27 Q. PLEASE EXPLAIN THE PROPOSED RTP DEMAND PRICING APPROACH.

1 A. The proposed RTP demand includes separate Contract Demand and
2 Distribution Demand charges, which together are consistent with proposed
3 General Service demand charges. A different approach than the conventional
4 monthly peak load is required for RTP billing demand units, however,
5 because RTP peak demand incentives must be capable of daily changes to
6 reflect changing cost conditions. To avoid the significant limitations
7 associated with conventional demand billing units, the proposed rate uses a
8 customer-selected contract demand level. Although customers may select
9 almost any demand level, the minimum billing level is the customer's actual
10 average demand during peak period hours. Typically, however, optimal
11 contract levels are reasonably close to a customer's peak load.

12
13 Q. HOW DOES THE CONTRACT DEMAND APPROACH WORK?

14 A. The Contract Demand provision works by balancing two opposing incentives.
15 Demand charges are reduced as a customer selects a lower contract demand
16 level. However, a separate energy charge for capacity-related costs, applies to
17 all energy use from loads over the contract level during peak period hours.
18 This charge is defined as the Limited Energy Surcharge in the proposed tariff.
19 By providing a focused recovery of capacity-related costs for loads above the
20 contract level during peak hours, the surcharge provides an appropriate
21 incentive for selecting a contract demand level that is close to the customer's
22 actual demand level. This works by exposing more energy use to the
23 surcharge as actual demand exceeds the contract demand level.

24
25 Together, the contract demand and related surcharge adjust price signals
26 according to cost conditions, without excessive complexity. This approach
27 effectively applies a higher demand charge only to peak hours of higher cost

1 days, and eliminates incremental demand charges on lower cost days. As a
2 result, customers can increase their loads in response to lower prices without
3 a severe demand-billing penalty.

4

5 **E. Standby Service Rider**

6

7 Q. WHAT CHANGES TO THE STANDBY SERVICE RIDER DOES THE COMPANY
8 PROPOSE?

9 A. The Company is proposing two substantive changes to the Standby Service
10 rider. The first is to separate the demand rates that a Standby Service
11 customer pays to reserve capacity with the Company into the specific service
12 functions the Company will provide. The second is to add a Non-Firm
13 option for Standby Service.

14

15 Q. PLEASE EXPLAIN THIS FIRST CHANGE OF SEPARATING THE DEMAND RATE
16 INTO ITS FUNCTIONS.

17 A. The Company has taken the existing bundled rate for Standby Service and
18 broken it into the Distribution, Transmission and Generation functions that
19 are included in this service. This will provide a greater understanding of the
20 service that is being offered (distribution, transmission and generation service)
21 and the cost of each portion of the service. The distribution and transmission
22 rates were obtained directly from the Company's CCOSS as presented by Mr.
23 Zins, while the rate for generation is set the same as it has been in the past at
24 18% of the full generation cost for firm service.

25

26 Q. WHAT IS THE NEW NON-FIRM OPTION FOR STANDBY SERVICE?

1 A. The Non-Firm Standby Service option is for generation customers that are
2 willing to accept that their backup supply from the Company may not always
3 be available. Specifically, the availability of Non-Firm Standby service is
4 restricted to times when the Company has sufficient capacity on its system to
5 provide this service. Because the customer receives no guarantee of the
6 Company providing back-up to the customer's generation, the customer is not
7 charged a fee to reserve this generation.

8

9 VI. LIGHTING RATE DESIGN

10

11 A. Lighting Services

12

13 Q. WHAT CHANGES IS THE COMPANY PROPOSING FOR LIGHTING SERVICES?

14 A. The Company is proposing three types of changes. First, although the
15 Company proposes no revenue increase for lighting rates, individual lighting
16 rates were adjusted closer to cost levels. Second, lighting rates were
17 eliminated for obsolete mercury vapor lighting units that are no longer in use.
18 Third, some service "Groups" in the Street Lighting Service (Purchased
19 Equipment) rate schedule were canceled.

20

21 Q. PLEASE EXPLAIN THE PROPOSED SERVICE GROUP CANCELLATIONS IN THE
22 STREET LIGHTING SERVICE (PURCHASED EQUIPMENT) RATE SCHEDULE

23 A. The Company proposes to cancel Group II, Group III, and Group V.
24 Current rates for Group II and Group III services are priced at the Group I
25 rates less a small discount. The Group II service distinction is a use of
26 ballglobe glassware or nonstandard ballasts in place of standard equipment.
27 The Group III service distinction is that the customer supplies the glassware

1 and ballast. After cancellation, Group II and Group III lighting units would
2 convert to Group I service and rates when possible, with Company supplied
3 maintenance and standard replacement parts. If that is not possible for some
4 lighting units (e.g., non-compatible equipment), the Company proposes
5 transferring those units to the metered energy-only lighting service. The rate
6 impact of removing the discounts is reasonable, with a maximum resulting
7 increase of less than 11%. Group V service has not been used since it was
8 established in 1989 and its cancellation will have no customer impact.

9 10 **VII. MUNICIPAL RATE DESIGN**

11 12 **A. Municipal Pumping Service**

13
14 Q. WHAT CHANGES ARE PROPOSED FOR MUNICIPAL PUMPING SERVICES?

15 A. Above average increases are proposed for Small Municipal Pumping Service
16 and Municipal Pumping Service, which are under-priced relative to the
17 comparable Small General Service and General Service tariffs. This proposal
18 furthers the longer-term goal of phasing out the special purpose municipal
19 pumping rates because it is not appropriate to set rates based on end use.

20
21 Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY IN THIS DOCKET?


22 A. Yes it does.

1 STATE OF NORTH DAKOTA
2 BEFORE THE
3 PUBLIC SERVICE COMMISSION
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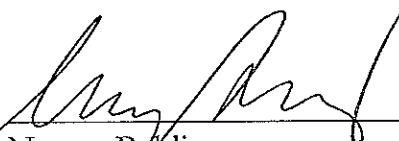
6 In the Matter of the Application of Northern)
7 States Power Company, a Minnesota Corporation)
8 For Authority to Increase Rates for Electric Service) Case No. PU-07-____
9 in North Dakota)

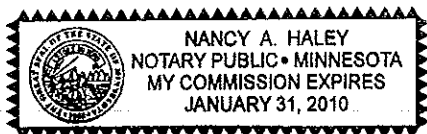
10
11
12
13 AFFIDAVIT OF
14 Steve Huso
15
16

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 Steve Huso
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28
29
30 Subscribed and sworn to before me, this 4 day of December, 2007.
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Northern States Power Company, a Minnesota Corporation
 Electric Utility - State of North Dakota
 Test Year Ending December 31, 2008
 Sales and Revenue by Rate Schedule

Case No. PU-07-_____
 Exhibit No. ____ (SVH-1)
 Schedule 1
 Page 1 of 1

Service Schedule	Average Customers	MWH Sales			Revenues (\$1,000's)							
					Summer		Winter		Annual		Increase	
		Summer	Winter	Annual	Present	Proposed	Present	Proposed	Present	Proposed	Amount	Percent
Residential												
Residential	73,205	230,742	541,505	772,247	18,576	22,312	38,677	43,109	57,254	65,421	8,167	14.3%
Residential TOD	18	121	383	504	9	10	23	25	32	35	3	9.7%
Load Management	312	2,480	4,703	7,183	115	135	219	257	334	392	58	17.3%
Res Total	73,535	233,343	546,591	779,934	18,700	22,457	38,920	43,391	57,620	65,849	8,228	14.3%
C&I - Non-Demand												
Small General	8,089	43,884	87,062	130,945	3,596	4,271	6,443	7,254	10,039	11,525	1,485	14.8%
Small General TOD	464	1,342	2,663	4,005	120	145	216	246	336	391	55	16.5%
Load Management	73	760	1,508	2,268	35	40	69	80	103	120	16	15.7%
C&I N-D Total	8,627	45,986	91,233	137,219	3,750	4,456	6,728	7,579	10,478	12,035	1,557	14.9%
C&I - Demand												
General	2,939	209,561	415,103	624,664	15,267	17,714	27,022	30,282	42,289	47,996	5,707	13.5%
General TOD	164	68,937	135,467	204,405	4,157	4,780	7,436	8,312	11,593	13,092	1,499	12.9%
Peak-Controlled	74	18,323	36,351	54,674	1,221	1,424	2,243	2,587	3,464	4,011	546	15.8%
Peak-Controlled TOD	14	50,671	98,399	149,069	2,739	3,117	4,990	5,601	7,728	8,718	989	12.8%
Energy-Controlled	97	80,044	157,437	237,481	3,865	4,478	7,382	8,528	11,247	13,005	1,758	15.6%
Real Time Pricing	0	0	0	0	0	0	0	0	0	0	0	
C&I Dmd Total	3,289	427,535	842,757	1,270,293	27,249	31,511	49,073	55,310	76,322	86,822	10,500	13.8%
C&I Total	11,915	473,521	933,990	1,407,511	30,999	35,967	55,801	62,889	86,800	98,857	12,056	13.9%
Public Authorities												
Small Mun Pumping	79	277	528	805	22	27	38	44	60	71	12	19.3%
Municipal Pumping	79	3,772	7,184	10,956	317	395	500	582	817	977	160	19.6%
Siren Service	24	0	0	0	0	1	1	1	1	2	0	14.0%
PA Total	182	4,049	7,712	11,761	340	423	538	628	878	1,050	172	19.6%
Lighting												
Leased		653	1,754	2,408	159	161	325	323	484	484	0	0.0%
Purchased		3,248	8,721	11,969	289	300	610	599	899	899	0	0.0%
Metered	12	121	366	487	7	7	21	20	28	27	-1	-2.4%
Protective		1,046	2,808	3,854	153	157	317	313	470	470	0	0.1%
Lighting Total	12	5,069	13,649	18,717	608	625	1,272	1,256	1,881	1,880	0	0.0%
Total Retail	85,645	715,982	1,501,942	2,217,924	50,648	59,472	96,531	108,164	147,179	167,636	20,457	13.9%
Other Rev. Increase						26		52		78	78	
Total					50,648	59,498	96,531	108,216	147,179	167,714	20,535	14.0%

Fuel Cost - Retail	PRESENT			PROPOSED		
	Base	Factor	Total	Base	Factor	Total
Retail	1.092 ¢	1.458 ¢	2.550 ¢	0.000 ¢	2.550 ¢	2.550 ¢
Residential	1.092 ¢	1.458 ¢	2.550 ¢	0.000 ¢	2.539 ¢	2.539 ¢
C&I - Non-Demand	1.092 ¢	1.458 ¢	2.550 ¢	0.000 ¢	2.690 ¢	2.690 ¢
C&I-Dmd - Non-TOD	1.092 ¢	1.458 ¢	2.550 ¢	0.000 ¢	2.580 ¢	2.580 ¢
C&I-Dmd -TOD On-Peak	1.092 ¢	1.458 ¢	2.550 ¢	0.000 ¢	3.349 ¢	3.349 ¢
C&I-Dmd -TOD Off-Peak	1.092 ¢	1.458 ¢	2.550 ¢	0.000 ¢	1.970 ¢	1.970 ¢
Lighting	1.092 ¢	1.458 ¢	2.550 ¢	0.000 ¢	1.807 ¢	1.807 ¢

		Present	Proposed	Present	Proposed
Residential (D01, D03)		Base Rates		Rates + Fuel	
Customer / Mo.	Overhead	\$5.50	\$9.00	\$5.50	\$9.00
	Underground	\$7.50	\$11.00	\$7.50	\$11.00
	Overhead - Electric Sp Ht	\$5.50	\$12.00	\$5.50	\$12.00
	Underground - Electric Sp Ht	\$7.50	\$14.00	\$7.50	\$14.00
Energy / kWh	Summer 0-1000 KWH	6.200 ¢	6.111 ¢	7.658 ¢	8.650 ¢
	Summer Over 1000 KWH	5.300 ¢	6.111 ¢	6.758 ¢	8.650 ¢
	Winter 0-1000 KWH	5.420 ¢	4.661 ¢	6.878 ¢	7.200 ¢
	Winter Over 1000 KWH	4.510 ¢	4.661 ¢	5.968 ¢	7.200 ¢
	Win Sp Heat 0-1000 KWH	5.420 ¢	3.821 ¢	6.878 ¢	6.360 ¢
	Win Sp Heat Over 1000 KWH	3.790 ¢	3.821 ¢	5.248 ¢	6.360 ¢

		Present	Proposed	Present	Proposed
Residential Time of Day (D02, D04)		Base Rates		Rates + Fuel	
Customer / Mo.	Overhead	\$7.50	\$11.00	\$7.50	\$11.00
	Underground	\$9.50	\$13.00	\$9.50	\$13.00
	Overhead - Electric Sp Ht	\$7.50	\$14.00	\$7.50	\$14.00
	Underground - Electric Sp Ht	\$9.50	\$16.00	\$9.50	\$16.00
Energy / kWh	On-Peak Summer	11.660 ¢	13.031 ¢	13.118 ¢	15.570 ¢
	On-Peak Winter	9.190 ¢	9.161 ¢	10.648 ¢	11.700 ¢
	On-Peak Winter -Elec. Sp Ht	7.920 ¢	6.921 ¢	9.378 ¢	9.460 ¢
	Off-Peak	2.810 ¢	1.961 ¢	4.268 ¢	4.500 ¢

		Present	Proposed	Present	Proposed
Energy-Controlled Non-Demand (D05)		Base Rates		Rates + Fuel	
Customer / Mo.		\$2.30	\$4.20	\$2.30	\$4.20
Energy / kWh	Standard - Residential	3.150 ¢	2.841 ¢	4.608 ¢	5.380 ¢
	Standard - Commercial	3.150 ¢	2.690 ¢	4.608 ¢	5.380 ¢
	Optional - Residential	6.200 ¢	6.111 ¢	7.658 ¢	8.650 ¢
	Optional - Commercial	6.170 ¢	6.200 ¢	7.628 ¢	8.890 ¢

		Present	Proposed	Present	Proposed
Limited Off-Peak (D10)		Base Rates		Rates + Fuel	
Customer / Mo.	Sec. 1 Phase	\$2.30	\$4.20	\$2.30	\$4.20
	Sec. 3 Phase	\$3.80	\$6.00	\$3.80	\$6.00
	Primary	\$25.00	\$30.00	\$25.00	\$30.00
Energy / kWh	Residential Secondary	2.540 ¢	1.671 ¢	3.998 ¢	4.210 ¢
	Commercial Secondary	2.540 ¢	1.520 ¢	3.998 ¢	4.210 ¢
	Commercial Primary	2.490 ¢	1.450 ¢	3.948 ¢	4.140 ¢
	Non-Authorized Usage	20.000 ¢	20.000 ¢	21.458 ¢	22.539 ¢

		Present	Proposed	Present	Proposed
Automatic Protective Lighting (D11)		Base Rates		Rates + Fuel	
Area	100 W HPSodium	\$6.04	\$5.92	\$6.63	\$6.65
	175 W Mercury	\$6.04	\$5.38	\$7.07	\$6.65
	250 W HPSodium	\$11.91	\$11.58	\$13.46	\$13.50
	400 W Mercury	\$11.91	\$10.62	\$14.24	\$13.50
Directional	250 W HPSodium	\$13.74	\$13.58	\$15.29	\$15.50
	400 W Mercury	\$13.74	\$12.62	\$16.07	\$15.50
	400 W HPSodium	\$16.48	\$16.08	\$18.92	\$19.10
	1000 W Mercury	\$26.87	Cancelled	\$32.44	Cancelled

		Present	Proposed	Present	Proposed
Small General (D12)		Base Rates		Rates + Fuel	
Customer / Mo.		\$8.25	\$12.00	\$8.25	\$12.00
Energy / kWh	Summer	6.170 ¢	6.200 ¢	7.628 ¢	8.890 ¢
	Winter	5.330 ¢	4.750 ¢	6.788 ¢	7.440 ¢

		Present	Proposed	Present	Proposed
Small General Time of Day (D14, D18)		Base Rates		Rates + Fuel	
Customer / Mo.		\$10.25	\$14.00	\$10.25	\$14.00
Energy / kWh	On-Peak Summer	9.570 ¢	10.700 ¢	11.028 ¢	13.390 ¢
	On-Peak Winter	7.930 ¢	7.590 ¢	9.388 ¢	10.280 ¢
	Off-Peak	2.680 ¢	1.810 ¢	4.138 ¢	4.500 ¢
	Constant Use - Summer	5.090 ¢	4.920 ¢	6.548 ¢	7.610 ¢
	Constant Use - Winter	4.520 ¢	3.830 ¢	5.978 ¢	6.520 ¢

		Present	Proposed	Present	Proposed
General (D16)		Base Rates		Rates + Fuel	
Customer / Mo.		\$15.40	\$22.00	\$15.40	\$22.00
Demand / kW	Summer	\$8.93	\$10.68	\$8.93	\$10.68
	Winter	\$6.62	\$7.18	\$6.62	\$7.18
Energy / kWh		2.890 ¢	2.370 ¢	4.348 ¢	4.950 ¢
Energy Credit / kWh		0.700 ¢	0.900 ¢	0.700 ¢	0.900 ¢
Voltage Discount / kWh	Primary	0.050 ¢	0.070 ¢	0.050 ¢	0.070 ¢
Voltage Discount / kW	Primary	\$0.55	\$0.85	\$0.55	\$0.85

		Present	Proposed	Present	Proposed
General Time of Day (D17)		Base Rates		Rates + Fuel	
Customer / Mo.		\$18.40	\$25.00	\$18.40	\$25.00
On-Peak Demand / kW	Summer	\$8.93	\$10.68	\$8.93	\$10.68
	Winter	\$6.62	\$7.18	\$6.62	\$7.18
Off-Peak Demand / kW		\$1.85	\$1.85	\$1.85	\$1.85
Energy / kWh	On-Peak	3.320 ¢	3.145 ¢	4.778 ¢	6.494 ¢
	Off-Peak	2.500 ¢	1.850 ¢	3.958 ¢	3.820 ¢
Energy Credit / kWh		0.700 ¢	0.900 ¢	0.700 ¢	0.900 ¢
Voltage Discount / kWh	Primary	0.050 ¢	0.070 ¢	0.050 ¢	0.070 ¢
Voltage Discount / kW	Primary	\$0.55	\$0.85	\$0.55	\$0.85

		Present	Proposed	Present	Proposed
Peak-Controlled (D20)		Base Rates		Rates + Fuel	
Customer / Mo.		\$40.00	\$50.00	\$40.00	\$50.00
Firm Demand / kW	Summer	\$8.93	\$10.68	\$8.93	\$10.68
	Winter	\$6.62	\$7.18	\$6.62	\$7.18
Control Demand / kW	Tier 1 - Level A	n/a	\$4.83	n/a	\$4.83
	Tier 1 - Level B	n/a	\$4.38	n/a	\$4.38
	Tier 1 - Level C	n/a	\$3.88	n/a	\$3.88
	Tier 2 - Level A	\$4.50	\$5.46	\$4.50	\$5.46
	Tier 2 - Level B	\$4.02	\$4.98	\$4.02	\$4.98
	Tier 2 - Level C	\$3.62	\$4.58	\$3.62	\$4.58
Energy / kWh		2.890 ¢	2.370 ¢	4.348 ¢	4.950 ¢
Energy Credit / kWh		0.700 ¢	0.900 ¢	0.700 ¢	0.900 ¢
Voltage Discount / kWh	Primary	0.050 ¢	0.070 ¢	0.050 ¢	0.070 ¢
Voltage Discount / kW	Primary	\$0.55	\$0.85	\$0.55	\$0.85

		Present	Proposed	Present	Proposed
Peak-Controlled TOD (D21)		Base Rates		Rates + Fuel	
Customer / Mo.		\$43.00	\$50.00	\$43.00	\$50.00
Firm Demand / kW	Summer	\$8.93	\$10.68	\$8.93	\$10.68
	Winter	\$6.62	\$7.18	\$6.62	\$7.18
Control Demand / kW	Tier 1 - Level A	n/a	\$4.83	n/a	\$4.83
	Tier 1 - Level B	n/a	\$4.38	n/a	\$4.38
	Tier 1 - Level C	n/a	\$3.88	n/a	\$3.88
	Tier 2 - Level A	\$4.50	\$5.46	\$4.50	\$5.46
	Tier 2 - Level B	\$4.02	\$4.98	\$4.02	\$4.98
	Tier 2 - Level C	\$3.62	\$4.58	\$3.62	\$4.58
Off-Peak Demand / kW		\$1.85	\$1.85	\$1.85	\$1.85
Energy / kWh	On-Peak	3.320 ¢	3.145 ¢	4.778 ¢	6.494 ¢
	Off-Peak	2.500 ¢	1.850 ¢	3.958 ¢	3.820 ¢
Energy Credit / kWh		0.700 ¢	0.900 ¢	0.700 ¢	0.900 ¢
Voltage Discount / kWh	Primary	0.050 ¢	0.070 ¢	0.050 ¢	0.070 ¢
Voltage Discount / kW	Primary	\$0.55	\$0.85	\$0.55	\$0.85

		Present	Proposed	Present	Proposed
Energy-Controlled Service (D22)		Base Rates		Rates + Fuel	
Customer / Mo.		\$43.00	\$50.00	\$43.00	\$50.00
Firm Demand / kW	Summer	\$8.93	\$10.68	\$8.93	\$10.68
	Winter	\$6.62	\$7.18	\$6.62	\$7.18
Control Demand / kW	Level A	\$3.87	\$4.83	\$3.87	\$4.83
	Level B	\$3.42	\$4.38	\$3.42	\$4.38
	Level C	\$2.92	\$3.88	\$2.92	\$3.88
Off-Peak Demand / kW		\$1.85	\$1.85	\$1.85	\$1.85
Energy / kWh	Firm On-Peak	3.320 ¢	3.145 ¢	4.778 ¢	6.494 ¢
	Firm Off-Peak	2.500 ¢	1.850 ¢	3.958 ¢	3.820 ¢
	Controllable On-Peak	3.090 ¢	2.898 ¢	4.548 ¢	6.247 ¢
	Controllable Off-Peak	2.360 ¢	1.714 ¢	3.818 ¢	3.684 ¢
	Control Period Energy	10.000 ¢	10.000 ¢	11.458 ¢	13.349 ¢
Energy Credit / kWh		0.700 ¢	0.900 ¢	0.700 ¢	0.900 ¢
Voltage Discount / kWh	Primary	0.050 ¢	0.070 ¢	0.050 ¢	0.070 ¢
Voltage Discount / kW	Primary	\$0.55	\$0.85	\$0.55	\$0.85

		Present	Proposed	Present	Proposed
Street Lighting Service - Leased (D30)		Base Rates		Rates + Fuel	
Overhead	100 W HPSodium	\$8.04	\$8.02	\$8.63	\$8.75
	150 W HPSodium	\$9.69	\$9.31	\$10.55	\$10.38
	250 W HPSodium	\$13.00	\$12.01	\$14.55	\$13.93
	400 W HPSodium	\$16.14	\$14.53	\$18.58	\$17.55
Underground	100 W HPSodium	\$13.97	\$14.01	\$14.56	\$14.74
	150 W HPSodium	\$15.83	\$15.45	\$16.69	\$16.52
Decorative UG	100 W HPSodium	\$17.64	\$21.27	\$18.23	\$22.00
	150 W HPSodium	\$18.61	\$22.43	\$19.47	\$23.50
	250 W HPSodium	\$22.32	\$25.08	\$23.87	\$27.00

		Present	Proposed	Present	Proposed
Street Lighting Service - Purchased (D31)		Base Rates		Rates + Fuel	
Group I	175 W Mercury	\$4.13	\$4.04	\$5.16	\$5.31
	250 W Mercury	\$5.36	\$5.13	\$6.80	\$6.92
	400 W Mercury	\$7.84	\$7.37	\$10.17	\$10.25
	700 W Mercury	\$13.35	Cancelled	\$17.31	Cancelled
	1000 W Mercury	\$17.89	Cancelled	\$23.46	Cancelled
	70 W HPSodium	\$3.20	\$2.98	\$3.61	\$3.49
	100 W HPSodium	\$3.35	\$3.13	\$3.94	\$3.86
	150 W HPSodium	\$4.13	\$3.86	\$4.99	\$4.93
	200 W HPSodium	\$5.42	\$4.96	\$6.62	\$6.44
	250 W HPSodium	\$6.30	\$5.78	\$7.85	\$7.70
	310 W HPSodium	\$7.37	\$6.85	\$9.37	\$9.33
	400 W HPSodium	\$8.77	\$7.99	\$11.21	\$11.01
	1000 W HPSodium	\$19.20	\$17.22	\$24.91	\$24.30
	Group II Deduction	400 W Mercury or Less	\$0.25	Cancelled	\$0.25
700 W Mercury or Greater		\$0.75	Cancelled	\$0.75	Cancelled
150 W HPS or Less		\$0.45	Cancelled	\$0.45	Cancelled
200 W HPS or Greater		\$0.75	Cancelled	\$0.75	Cancelled
Group III Deduction	700 W Mercury or Greater	\$0.40	Cancelled	\$0.40	Cancelled
	200 W HPS or Greater	\$0.20	Cancelled	\$0.20	Cancelled
Group IV (Closed)	70 W HPS	\$1.39	\$1.24	\$1.80	\$1.75
	400 W HPS	\$7.02	\$6.18	\$9.46	\$9.20
Group V Surcharge	400 W HPS or Less	\$1.53	Cancelled	\$1.53	Cancelled

	Present	Proposed	Present	Proposed
Street Lighting - Purchased (Closed) (D32)	Base Rates		Rates + Fuel	
1000 Lumen Incandescent	\$2.94	\$2.83	\$3.41	\$3.41
4000 Lumen Incandescent	\$6.13	\$5.77	\$7.62	\$7.62

	Present	Proposed	Present	Proposed
Street Lighting Service - Metered (D33)	Base Rates		Rates + Fuel	
Customer / Mo.	\$8.25	\$12.00	\$8.25	\$12.00
Energy Charge per kWh	4.030 ¢	3.431 ¢	5.488 ¢	5.238 ¢

	Present	Proposed	Present	Proposed
Small Municipal Pumping (D40)	Base Rates		Rates + Fuel	
Customer / Mo.	\$7.50	\$12.00	\$7.50	\$12.00
Energy /kWh				
Summer	5.610 ¢	5.690 ¢	7.068 ¢	8.380 ¢
Winter	4.790 ¢	4.240 ¢	6.248 ¢	6.930 ¢

	Present	Proposed	Present	Proposed
Municipal Pumping Service (D41)	Base Rates		Rates + Fuel	
Customer / Mo.	\$15.40	\$22.00	\$15.40	\$22.00
Energy /kWh	2.940 ¢	2.370 ¢	4.398 ¢	4.950 ¢
Demand / kW				
Summer	\$6.77	\$9.30	\$6.77	\$9.30
Winter	\$4.74	\$5.80	\$4.74	\$5.80

	Present	Proposed	Present	Proposed
Fire & Civil Defense Siren (D42)	Base Rates		Rates + Fuel	
Minimum Charge	\$2.20	\$2.51	\$2.20	\$2.51
Rate per Horsepower	\$0.43	\$0.49	\$0.43	\$0.49

	Present	Proposed	Present	Proposed
Standby Service Rider	Base Rates		Rates + Fuel	
Customer / Mo.	\$25.00	\$25.00	\$25.00	\$25.00
Demand / Contract kW	Combined		Combined	
Distribution		\$1.85		\$1.85
Transmission		\$2.10		\$2.10
Generation				
Unscheduled Maintenance	\$2.80	\$0.80	\$2.80	\$0.80
Scheduled Maintenance	\$2.70	\$0.70	\$2.70	\$0.70
Non-Firm Standby	new	\$0.00	new	\$0.00
Distribution Voltage Discount / kW	Primary	\$0.55	\$0.85	\$0.55

RESIDENTIAL SERVICE (OVERHEAD) - D01

Energy in kWh	Monthly Bill		Increase		
	Present	Proposed	Amount	Percent	
WINTER	250	\$22.70	\$27.00	\$4.31	19.0%
	300	\$26.13	\$30.60	\$4.47	17.1%
	400	\$33.01	\$37.80	\$4.79	14.5%
	500	\$39.89	\$45.00	\$5.11	12.8%
	600	\$46.77	\$52.20	\$5.43	11.6%
	675	\$51.93	\$57.60	\$5.67	10.9%
	750	\$57.09	\$63.00	\$5.92	10.4%
	1000	\$74.28	\$81.00	\$6.72	9.0%
	1500	\$104.12	\$117.00	\$12.88	12.4%
	2000	\$133.96	\$153.00	\$19.04	14.2%
	3000	\$193.64	\$225.00	\$31.36	16.2%
	4000	\$253.32	\$297.00	\$43.68	17.2%
5000	\$313.00	\$369.00	\$56.00	17.9%	
SUMMER	250	\$24.65	\$30.63	\$5.98	24.3%
	300	\$28.47	\$34.95	\$6.48	22.7%
	400	\$36.13	\$43.60	\$7.47	20.7%
	500	\$43.79	\$52.25	\$8.46	19.3%
	600	\$51.45	\$60.90	\$9.45	18.4%
	675	\$57.19	\$67.39	\$10.20	17.8%
	750	\$62.94	\$73.88	\$10.94	17.4%
	1000	\$82.08	\$95.50	\$13.42	16.3%
	1500	\$115.87	\$138.75	\$22.88	19.7%
	2000	\$149.66	\$182.00	\$32.34	21.6%
	3000	\$217.24	\$268.50	\$51.26	23.6%
	4000	\$284.82	\$355.00	\$70.18	24.6%
5000	\$352.40	\$441.50	\$89.10	25.3%	
AVERAGE MONTHLY	250	\$23.35	\$28.21	\$4.86	20.8%
	300	\$26.91	\$32.05	\$5.14	19.1%
	400	\$34.05	\$39.73	\$5.68	16.7%
	500	\$41.19	\$47.42	\$6.23	15.1%
	600	\$48.33	\$55.10	\$6.77	14.0%
	675	\$53.68	\$60.86	\$7.18	13.4%
	750	\$59.04	\$66.63	\$7.59	12.9%
	1000	\$76.88	\$85.83	\$8.95	11.6%
	1500	\$108.04	\$124.25	\$16.21	15.0%
	2000	\$139.19	\$162.67	\$23.47	16.9%
	3000	\$201.51	\$239.50	\$37.99	18.9%
	4000	\$263.82	\$316.33	\$52.51	19.9%
5000	\$326.13	\$393.17	\$67.03	20.6%	

RESIDENTIAL SERVICE - SPACE HEATING (OVERHEAD) - D01

Energy in kWh	Monthly Bill		Increase		
	Present	Proposed	Amount	Percent	
WINTER	250	\$22.70	\$27.90	\$5.21	22.9%
	300	\$26.13	\$31.08	\$4.95	18.9%
	400	\$33.01	\$37.44	\$4.43	13.4%
	500	\$39.89	\$43.80	\$3.91	9.8%
	600	\$46.77	\$50.16	\$3.39	7.3%
	675	\$51.93	\$54.93	\$3.00	5.8%
	750	\$57.09	\$59.70	\$2.62	4.6%
	1000	\$74.28	\$75.60	\$1.32	1.8%
	1500	\$100.52	\$107.40	\$6.88	6.8%
	2000	\$126.76	\$139.20	\$12.44	9.8%
	3000	\$179.24	\$202.80	\$23.56	13.1%
	4000	\$231.72	\$266.40	\$34.68	15.0%
5000	\$284.20	\$330.00	\$45.80	16.1%	
SUMMER	250	\$24.65	\$33.63	\$8.98	36.4%
	300	\$28.47	\$37.95	\$9.48	33.3%
	400	\$36.13	\$46.60	\$10.47	29.0%
	500	\$43.79	\$55.25	\$11.46	26.2%
	600	\$51.45	\$63.90	\$12.45	24.2%
	675	\$57.19	\$70.39	\$13.20	23.1%
	750	\$62.94	\$76.88	\$13.94	22.1%
	1000	\$82.08	\$98.50	\$16.42	20.0%
	1500	\$115.87	\$141.75	\$25.88	22.3%
	2000	\$149.66	\$185.00	\$35.34	23.6%
	3000	\$217.24	\$271.50	\$54.26	25.0%
	4000	\$284.82	\$358.00	\$73.18	25.7%
5000	\$352.40	\$444.50	\$92.10	26.1%	
AVERAGE MONTHLY	250	\$23.35	\$29.81	\$6.46	27.7%
	300	\$26.91	\$33.37	\$6.46	24.0%
	400	\$34.05	\$40.49	\$6.44	18.9%
	500	\$41.19	\$47.62	\$6.43	15.6%
	600	\$48.33	\$54.74	\$6.41	13.3%
	675	\$53.68	\$60.08	\$6.40	11.9%
	750	\$59.04	\$65.43	\$6.39	10.8%
	1000	\$76.88	\$83.23	\$6.35	8.3%
	1500	\$105.64	\$118.85	\$13.21	12.5%
	2000	\$134.39	\$154.47	\$20.07	14.9%
	3000	\$191.91	\$225.70	\$33.79	17.6%
	4000	\$249.42	\$296.93	\$47.51	19.0%
5000	\$306.93	\$368.17	\$61.23	20.0%	

RESIDENTIAL SERVICE (UNDERGROUND) - D03

Energy in kWh	Monthly Bill		Increase		
	Present	Proposed	Amount	Percent	
	250	\$24.70	\$29.00	\$4.31	17.4%
	300	\$28.13	\$32.60	\$4.47	15.9%
	400	\$35.01	\$39.80	\$4.79	13.7%
	500	\$41.89	\$47.00	\$5.11	12.2%
	600	\$48.77	\$54.20	\$5.43	11.1%
WINTER	675	\$53.93	\$59.60	\$5.67	10.5%
	750	\$59.09	\$65.00	\$5.92	10.0%
	1000	\$76.28	\$83.00	\$6.72	8.8%
	1500	\$106.12	\$119.00	\$12.88	12.1%
	2000	\$135.96	\$155.00	\$19.04	14.0%
	3000	\$195.64	\$227.00	\$31.36	16.0%
	4000	\$255.32	\$299.00	\$43.68	17.1%
	5000	\$315.00	\$371.00	\$56.00	17.8%
	250	\$26.65	\$32.63	\$5.98	22.4%
	300	\$30.47	\$36.95	\$6.48	21.3%
	400	\$38.13	\$45.60	\$7.47	19.6%
	500	\$45.79	\$54.25	\$8.46	18.5%
	600	\$53.45	\$62.90	\$9.45	17.7%
SUMMER	675	\$59.19	\$69.39	\$10.20	17.2%
	750	\$64.94	\$75.88	\$10.94	16.8%
	1000	\$84.08	\$97.50	\$13.42	16.0%
	1500	\$117.87	\$140.75	\$22.88	19.4%
	2000	\$151.66	\$184.00	\$32.34	21.3%
	3000	\$219.24	\$270.50	\$51.26	23.4%
	4000	\$286.82	\$357.00	\$70.18	24.5%
	5000	\$354.40	\$443.50	\$89.10	25.1%
	250	\$25.35	\$30.21	\$4.86	19.2%
	300	\$28.91	\$34.05	\$5.14	17.8%
	400	\$36.05	\$41.73	\$5.68	15.8%
	500	\$43.19	\$49.42	\$6.23	14.4%
	600	\$50.33	\$57.10	\$6.77	13.5%
AVERAGE	675	\$55.68	\$62.86	\$7.18	12.9%
MONTHLY	750	\$61.04	\$68.63	\$7.59	12.4%
	1000	\$78.88	\$87.83	\$8.95	11.4%
	1500	\$110.04	\$126.25	\$16.21	14.7%
	2000	\$141.19	\$164.67	\$23.47	16.6%
	3000	\$203.51	\$241.50	\$37.99	18.7%
	4000	\$265.82	\$318.33	\$52.51	19.8%
	5000	\$328.13	\$395.17	\$67.03	20.4%

RESIDENTIAL SERVICE - SPACE HEATING (UNDERGROUND) - D03

Energy in kWh	Monthly Bill		Increase		
	Present	Proposed	Amount	Percent	
WINTER	250	\$24.70	\$29.90	\$5.21	21.1%
	300	\$28.13	\$33.08	\$4.95	17.6%
	400	\$35.01	\$39.44	\$4.43	12.6%
	500	\$41.89	\$45.80	\$3.91	9.3%
	600	\$48.77	\$52.16	\$3.39	7.0%
	675	\$53.93	\$56.93	\$3.00	5.6%
	750	\$59.09	\$61.70	\$2.62	4.4%
	1000	\$76.28	\$77.60	\$1.32	1.7%
	1500	\$102.52	\$109.40	\$6.88	6.7%
	2000	\$128.76	\$141.20	\$12.44	9.7%
	3000	\$181.24	\$204.80	\$23.56	13.0%
	4000	\$233.72	\$268.40	\$34.68	14.8%
5000	\$286.20	\$332.00	\$45.80	16.0%	
SUMMER	250	\$26.65	\$35.63	\$8.98	33.7%
	300	\$30.47	\$39.95	\$9.48	31.1%
	400	\$38.13	\$48.60	\$10.47	27.5%
	500	\$45.79	\$57.25	\$11.46	25.0%
	600	\$53.45	\$65.90	\$12.45	23.3%
	675	\$59.19	\$72.39	\$13.20	22.3%
	750	\$64.94	\$78.88	\$13.94	21.5%
	1000	\$84.08	\$100.50	\$16.42	19.5%
	1500	\$117.87	\$143.75	\$25.88	22.0%
	2000	\$151.66	\$187.00	\$35.34	23.3%
	3000	\$219.24	\$273.50	\$54.26	24.7%
	4000	\$286.82	\$360.00	\$73.18	25.5%
5000	\$354.40	\$446.50	\$92.10	26.0%	
AVERAGE MONTHLY	250	\$25.35	\$31.81	\$6.46	25.5%
	300	\$28.91	\$35.37	\$6.46	22.3%
	400	\$36.05	\$42.49	\$6.44	17.9%
	500	\$43.19	\$49.62	\$6.43	14.9%
	600	\$50.33	\$56.74	\$6.41	12.7%
	675	\$55.68	\$62.08	\$6.40	11.5%
	750	\$61.04	\$67.43	\$6.39	10.5%
	1000	\$78.88	\$85.23	\$6.35	8.1%
	1500	\$107.64	\$120.85	\$13.21	12.3%
	2000	\$136.39	\$156.47	\$20.07	14.7%
	3000	\$193.91	\$227.70	\$33.79	17.4%
	4000	\$251.42	\$298.93	\$47.51	18.9%
5000	\$308.93	\$370.17	\$61.23	19.8%	

RESIDENTIAL TIME OF DAY SERVICE (OVERHEAD) - D02:

On-Peak = 35%

	Energy in kWh	Monthly Bill		Increase	
		Present	Proposed	Amount	Percent
WINTER	250	\$23.75	\$28.55	\$4.80	20.2%
	300	\$27.00	\$32.06	\$5.06	18.7%
	400	\$33.50	\$39.08	\$5.58	16.6%
	500	\$40.01	\$46.10	\$6.10	15.2%
	600	\$46.51	\$53.12	\$6.61	14.2%
	675	\$51.38	\$58.39	\$7.00	13.6%
	750	\$56.26	\$63.65	\$7.39	13.1%
	1000	\$72.51	\$81.20	\$8.69	12.0%
	1500	\$105.02	\$116.30	\$11.29	10.7%
	2000	\$137.52	\$151.40	\$13.88	10.1%
	3000	\$202.53	\$221.60	\$19.07	9.4%
4000	\$267.54	\$291.80	\$24.26	9.1%	
5000	\$332.55	\$362.00	\$29.45	8.9%	
SUMMER	250	\$25.91	\$31.94	\$6.02	23.2%
	300	\$29.60	\$36.12	\$6.53	22.1%
	400	\$36.96	\$44.50	\$7.54	20.4%
	500	\$44.33	\$52.87	\$8.55	19.3%
	600	\$51.69	\$61.25	\$9.55	18.5%
	675	\$57.22	\$67.53	\$10.31	18.0%
	750	\$62.74	\$73.81	\$11.07	17.6%
	1000	\$81.16	\$94.75	\$13.59	16.7%
	1500	\$117.98	\$136.62	\$18.64	15.8%
	2000	\$154.81	\$178.49	\$23.68	15.3%
	3000	\$228.47	\$262.24	\$33.77	14.8%
4000	\$302.12	\$345.98	\$43.86	14.5%	
5000	\$375.78	\$429.73	\$53.95	14.4%	
AVERAGE MONTHLY	250	\$24.47	\$29.68	\$5.21	21.3%
	300	\$27.87	\$33.41	\$5.55	19.9%
	400	\$34.66	\$40.89	\$6.23	18.0%
	500	\$41.45	\$48.36	\$6.91	16.7%
	600	\$48.24	\$55.83	\$7.59	15.7%
	675	\$53.33	\$61.43	\$8.11	15.2%
	750	\$58.42	\$67.04	\$8.62	14.8%
	1000	\$75.39	\$85.72	\$10.32	13.7%
	1500	\$109.34	\$123.07	\$13.74	12.6%
	2000	\$143.28	\$160.43	\$17.15	12.0%
	3000	\$211.18	\$235.15	\$23.97	11.4%
4000	\$279.07	\$309.86	\$30.79	11.0%	
5000	\$346.96	\$384.58	\$37.62	10.8%	

RESIDENTIAL TIME OF DAY SERVICE - SPACE HEATING (OVERHEAD) - D02

On-Peak = 35%

	Energy in kWh	Monthly Bill		Increase	
		Present	Proposed	Amount	Percent
WINTER	250	\$22.64	\$29.59	\$6.95	30.7%
	300	\$25.67	\$32.71	\$7.04	27.4%
	400	\$31.73	\$38.94	\$7.22	22.8%
	500	\$37.78	\$45.18	\$7.40	19.6%
	600	\$43.84	\$51.42	\$7.58	17.3%
	675	\$48.38	\$56.09	\$7.71	15.9%
	750	\$52.92	\$60.77	\$7.85	14.8%
	1000	\$68.07	\$76.36	\$8.30	12.2%
	1500	\$98.35	\$107.54	\$9.19	9.3%
	2000	\$128.63	\$138.72	\$10.09	7.8%
	3000	\$189.20	\$201.08	\$11.89	6.3%
	4000	\$249.76	\$263.44	\$13.68	5.5%
	5000	\$310.33	\$325.80	\$15.48	5.0%
SUMMER	250	\$25.91	\$34.94	\$9.02	34.8%
	300	\$29.60	\$39.12	\$9.53	32.2%
	400	\$36.96	\$47.50	\$10.54	28.5%
	500	\$44.33	\$55.87	\$11.55	26.0%
	600	\$51.69	\$64.25	\$12.55	24.3%
	675	\$57.22	\$70.53	\$13.31	23.3%
	750	\$62.74	\$76.81	\$14.07	22.4%
	1000	\$81.16	\$97.75	\$16.59	20.4%
	1500	\$117.98	\$139.62	\$21.64	18.3%
	2000	\$154.81	\$181.49	\$26.68	17.2%
	3000	\$228.47	\$265.24	\$36.77	16.1%
	4000	\$302.12	\$348.98	\$46.86	15.5%
	5000	\$375.78	\$432.73	\$56.95	15.2%
AVERAGE MONTHLY	250	\$23.73	\$31.37	\$7.64	32.2%
	300	\$26.98	\$34.85	\$7.87	29.2%
	400	\$33.47	\$41.80	\$8.32	24.9%
	500	\$39.96	\$48.74	\$8.78	22.0%
	600	\$46.46	\$55.69	\$9.24	19.9%
	675	\$51.33	\$60.90	\$9.58	18.7%
	750	\$56.20	\$66.12	\$9.92	17.7%
	1000	\$72.43	\$83.49	\$11.06	15.3%
	1500	\$104.89	\$118.23	\$13.34	12.7%
	2000	\$137.36	\$152.98	\$15.62	11.4%
	3000	\$202.29	\$222.47	\$20.18	10.0%
	4000	\$267.21	\$291.95	\$24.74	9.3%
	5000	\$332.14	\$361.44	\$29.30	8.8%

SMALL GENERAL SERVICE - D12

Energy in kWh	Monthly Bill		Increase		
	Present	Proposed	Amount	Percent	
	250	\$25.22	\$30.60	\$5.38	21.3%
	300	\$28.61	\$34.32	\$5.71	19.9%
	400	\$35.40	\$41.76	\$6.36	18.0%
	500	\$42.19	\$49.20	\$7.01	16.6%
	600	\$48.98	\$56.64	\$7.66	15.6%
WINTER	675				
	750	\$59.16	\$67.80	\$8.64	14.6%
	1000	\$76.13	\$86.40	\$10.27	13.5%
	1500	\$110.07	\$123.60	\$13.53	12.3%
	2000	\$144.01	\$160.80	\$16.79	11.7%
	3000	\$211.89	\$235.20	\$23.31	11.0%
	4000	\$279.77	\$309.60	\$29.83	10.7%
	5000	\$347.65	\$384.00	\$36.35	10.5%
	250	\$27.32	\$34.23	\$6.91	25.3%
	300	\$31.13	\$38.67	\$7.54	24.2%
	400	\$38.76	\$47.56	\$8.80	22.7%
	500	\$46.39	\$56.45	\$10.06	21.7%
	600	\$54.02	\$65.34	\$11.32	21.0%
SUMMER	675				
	750	\$65.46	\$78.68	\$13.22	20.2%
	1000	\$84.53	\$100.90	\$16.37	19.4%
	1500	\$122.67	\$145.35	\$22.68	18.5%
	2000	\$160.81	\$189.80	\$28.99	18.0%
	3000	\$237.09	\$278.70	\$41.61	17.6%
	4000	\$313.37	\$367.60	\$54.23	17.3%
	5000	\$389.65	\$456.50	\$66.85	17.2%
	250	\$25.92	\$31.81	\$5.89	22.7%
	300	\$29.45	\$35.77	\$6.32	21.4%
	400	\$36.52	\$43.69	\$7.17	19.6%
	500	\$43.59	\$51.62	\$8.03	18.4%
	600	\$50.66	\$59.54	\$8.88	17.5%
AVERAGE	675				
MONTHLY	750	\$61.26	\$71.43	\$10.17	16.6%
	1000	\$78.93	\$91.23	\$12.30	15.6%
	1500	\$114.27	\$130.85	\$16.58	14.5%
	2000	\$149.61	\$170.47	\$20.86	13.9%
	3000	\$220.29	\$249.70	\$29.41	13.4%
	4000	\$290.97	\$328.93	\$37.96	13.0%
	5000	\$361.65	\$408.17	\$46.52	12.9%

GENERAL SERVICE (Secondary Voltage) - D16

Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
			Present	Proposed	Amount	Percent
15	3,000	200	\$257	\$296	\$39	15.2%
15	6,000	400	\$387	\$444	\$57	14.7%
15	9,000	600	\$497	\$566	\$69	13.9%
25	5,000	200	\$418	\$478	\$61	14.5%
25	10,000	400	\$635	\$726	\$91	14.3%
25	15,000	600	\$817	\$928	\$111	13.6%
50	10,000	200	\$820	\$934	\$115	14.0%
50	20,000	400	\$1,255	\$1,429	\$175	13.9%
50	30,000	600	\$1,619	\$1,834	\$215	13.3%
75	15,000	200	\$1,222	\$1,391	\$169	13.8%
75	30,000	400	\$1,874	\$2,133	\$259	13.8%
75	45,000	600	\$2,421	\$2,741	\$319	13.2%
100	20,000	200	\$1,624	\$1,847	\$223	13.7%
100	40,000	400	\$2,494	\$2,837	\$343	13.8%
100	60,000	600	\$3,223	\$3,647	\$423	13.1%
200	40,000	200	\$3,233	\$3,671	\$439	13.6%
200	80,000	400	\$4,972	\$5,651	\$680	13.7%
200	120,000	600	\$6,431	\$7,271	\$840	13.1%
300	60,000	200	\$4,841	\$5,496	\$655	13.5%
300	120,000	400	\$7,450	\$8,466	\$1,016	13.6%
300	180,000	600	\$9,639	\$10,896	\$1,257	13.0%
500	100,000	200	\$8,058	\$9,145	\$1,087	13.5%
500	200,000	400	\$12,406	\$14,095	\$1,689	13.6%
500	300,000	600	\$16,054	\$18,145	\$2,091	13.0%
1,000	200,000	200	\$16,101	\$18,269	\$2,167	13.5%
1,000	400,000	400	\$24,797	\$28,169	\$3,371	13.6%
1,000	600,000	600	\$32,093	\$36,269	\$4,175	13.0%
3,000	600,000	200	\$48,273	\$54,762	\$6,489	13.4%
3,000	1,200,000	400	\$74,361	\$84,462	\$10,101	13.6%
3,000	1,800,000	600	\$96,249	\$108,762	\$12,513	13.0%
5,000	1,000,000	200	\$80,445	\$91,255	\$10,810	13.4%
5,000	2,000,000	400	\$123,925	\$140,755	\$16,830	13.6%
5,000	3,000,000	600	\$160,405	\$181,255	\$20,850	13.0%

GENERAL SERVICE (Primary Voltage) - D16

Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
			Present	Proposed	Amount	Percent
15	3,000	200	\$247	\$281	\$34	13.7%
15	6,000	400	\$376	\$427	\$51	13.7%
15	9,000	600	\$484	\$547	\$63	13.0%
25	5,000	200	\$401	\$453	\$52	13.0%
25	10,000	400	\$616	\$697	\$81	13.2%
25	15,000	600	\$796	\$896	\$100	12.6%
50	10,000	200	\$787	\$885	\$98	12.4%
50	20,000	400	\$1,217	\$1,373	\$156	12.8%
50	30,000	600	\$1,577	\$1,771	\$194	12.3%
75	15,000	200	\$1,173	\$1,316	\$143	12.2%
75	30,000	400	\$1,818	\$2,048	\$230	12.7%
75	45,000	600	\$2,358	\$2,645	\$288	12.2%
100	20,000	200	\$1,559	\$1,748	\$189	12.1%
100	40,000	400	\$2,419	\$2,724	\$305	12.6%
100	60,000	600	\$3,138	\$3,520	\$381	12.2%
200	40,000	200	\$3,103	\$3,473	\$371	11.9%
200	80,000	400	\$4,822	\$5,425	\$604	12.5%
200	120,000	600	\$6,261	\$7,017	\$756	12.1%
300	60,000	200	\$4,646	\$5,199	\$553	11.9%
300	120,000	400	\$7,225	\$8,127	\$902	12.5%
300	180,000	600	\$9,384	\$10,515	\$1,131	12.1%
500	100,000	200	\$7,733	\$8,650	\$917	11.9%
500	200,000	400	\$12,031	\$13,530	\$1,499	12.5%
500	300,000	600	\$15,629	\$17,510	\$1,881	12.0%
1,000	200,000	200	\$15,451	\$17,279	\$1,827	11.8%
1,000	400,000	400	\$24,047	\$27,039	\$2,991	12.4%
1,000	600,000	600	\$31,243	\$34,999	\$3,755	12.0%
3,000	600,000	200	\$46,323	\$51,792	\$5,469	11.8%
3,000	1,200,000	400	\$72,111	\$81,072	\$8,961	12.4%
3,000	1,800,000	600	\$93,699	\$104,952	\$11,253	12.0%
5,000	1,000,000	200	\$77,195	\$86,305	\$9,110	11.8%
5,000	2,000,000	400	\$120,175	\$135,105	\$14,930	12.4%
5,000	3,000,000	600	\$156,155	\$174,905	\$18,750	12.0%

Northern States Power Company, a Minnesota Corporation
 Electric Utility - North Dakota
 Test Year Ending December 31, 2008
 Monthly Bills Using Present and Proposed Rates

Case No. PU-07-____
 Exhibit No. ____ (SVH-1)
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GENERAL TOD SERVICE (Secondary Voltage) - D17

On-Peak Energy = 37%

Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
			Present	Proposed	Amount	Percent
15	3,000	200	\$257	\$294	\$37.39	14.5%
15	6,000	400	\$385	\$439	\$53.83	14.0%
15	9,000	600	\$492	\$556	\$64.27	13.1%
25	5,000	200	\$416	\$474	\$57.92	13.9%
25	10,000	400	\$629	\$715	\$85.31	13.6%
25	15,000	600	\$807	\$910	\$102.71	12.7%
50	10,000	200	\$814	\$923	\$109.23	13.4%
50	20,000	400	\$1,240	\$1,404	\$164.03	13.2%
50	30,000	600	\$1,596	\$1,795	\$198.83	12.5%
75	15,000	200	\$1,212	\$1,372	\$160.55	13.2%
75	30,000	400	\$1,851	\$2,094	\$242.74	13.1%
75	45,000	600	\$2,385	\$2,680	\$294.94	12.4%
100	20,000	200	\$1,610	\$1,822	\$211.86	13.2%
100	40,000	400	\$2,462	\$2,783	\$321.46	13.1%
100	60,000	600	\$3,174	\$3,565	\$391.05	12.3%
200	40,000	200	\$3,201	\$3,618	\$417.13	13.0%
200	80,000	400	\$4,906	\$5,542	\$636.32	13.0%
200	120,000	600	\$6,330	\$7,106	\$775.51	12.3%
300	60,000	200	\$4,792	\$5,415	\$622.39	13.0%
300	120,000	400	\$7,349	\$8,300	\$951.18	12.9%
300	180,000	600	\$9,486	\$10,646	\$1,159.96	12.2%
500	100,000	200	\$7,975	\$9,008	\$1,032.91	13.0%
500	200,000	400	\$12,236	\$13,817	\$1,580.89	12.9%
500	300,000	600	\$15,798	\$17,726	\$1,928.87	12.2%
1,000	200,000	200	\$15,931	\$17,990	\$2,059.23	12.9%
1,000	400,000	400	\$24,454	\$27,609	\$3,155.19	12.9%
1,000	600,000	600	\$31,577	\$35,428	\$3,851.15	12.2%
3,000	600,000	200	\$47,757	\$53,921	\$6,164.48	12.9%
3,000	1,200,000	400	\$73,325	\$82,778	\$9,452.36	12.9%
3,000	1,800,000	600	\$94,694	\$106,234	\$11,540.24	12.2%
5,000	1,000,000	200	\$79,582	\$89,852	\$10,269.73	12.9%
5,000	2,000,000	400	\$122,196	\$137,946	\$15,749.53	12.9%
5,000	3,000,000	600	\$157,810	\$177,040	\$19,229.33	12.2%

Peak-Controlled Service (Secondary Voltage) - D20

	Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
				Present	Proposed	Amount	Percent
Perf Factor B - No Firm Demand							
	15	3,000	200	\$231	\$273	\$42.46	18.4%
	15	3,750	250	\$263	\$310	\$46.98	17.8%
	15	4,500	300	\$296	\$347	\$51.49	17.4%
	25	5,000	200	\$358	\$422	\$64.10	17.9%
	25	6,250	250	\$412	\$484	\$71.63	17.4%
	25	7,500	300	\$467	\$546	\$79.15	17.0%
	50	10,000	200	\$676	\$794	\$118.20	17.5%
	50	12,500	250	\$785	\$918	\$133.25	17.0%
	50	15,000	300	\$893	\$1,042	\$148.30	16.6%
	75	15,000	200	\$994	\$1,166	\$172.30	17.3%
	75	22,500	300	\$1,320	\$1,537	\$217.45	16.5%
	75	30,000	400	\$1,646	\$1,909	\$262.60	16.0%
	100	30,000	300	\$1,746	\$2,033	\$286.60	16.4%
	100	40,000	400	\$2,181	\$2,528	\$346.80	15.9%
	100	50,000	500	\$2,546	\$2,933	\$387.00	15.2%
	200	60,000	300	\$3,453	\$4,016	\$563.20	16.3%
	200	80,000	400	\$4,322	\$5,006	\$683.60	15.8%
	200	100,000	500	\$5,052	\$5,816	\$764.00	15.1%
	300	90,000	300	\$5,159	\$5,999	\$839.80	16.3%
	300	120,000	400	\$6,464	\$7,484	\$1,020.40	15.8%
	300	150,000	500	\$7,558	\$8,699	\$1,141.00	15.1%
	500	150,000	300	\$8,572	\$9,965	\$1,393.00	16.3%
	500	200,000	400	\$10,746	\$12,440	\$1,694.00	15.8%
	500	250,000	500	\$12,570	\$14,465	\$1,895.00	15.1%
	1,000	300,000	300	\$17,104	\$19,880	\$2,776.00	16.2%
	1,000	400,000	400	\$21,452	\$24,830	\$3,378.00	15.7%
	1,000	500,000	500	\$25,100	\$28,880	\$3,780.00	15.1%
	3,000	900,000	300	\$51,232	\$59,540	\$8,308.00	16.2%
	3,000	1,200,000	400	\$64,276	\$74,390	\$10,114.00	15.7%
	3,000	1,500,000	500	\$75,220	\$86,540	\$11,320.00	15.0%
	5,000	1,500,000	300	\$85,360	\$99,200	\$13,840.00	16.2%
	5,000	2,000,000	400	\$107,100	\$123,950	\$16,850.00	15.7%
	5,000	2,500,000	500	\$125,340	\$144,200	\$18,860.00	15.0%

Northern States Power Company, a Minnesota Corporation
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 Monthly Bills Using Present and Proposed Rates

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Peak-Controlled TOD Service (Secondary Voltage) - D21

On-Peak Energy = 37%

Perf Factor B - No Firm Demand	Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
				Present	Proposed	Amount	Percent
	15	3,000	200	\$231	\$269	\$37.84	16.4%
	15	3,750	250	\$263	\$305	\$41.95	15.9%
	15	4,500	300	\$295	\$341	\$46.06	15.6%
	25	5,000	200	\$357	\$415	\$58.40	16.4%
	25	6,250	250	\$410	\$475	\$65.25	15.9%
	25	7,500	300	\$463	\$535	\$72.10	15.6%
	50	10,000	200	\$670	\$780	\$109.80	16.4%
	50	12,500	250	\$777	\$900	\$123.50	15.9%
	50	15,000	300	\$883	\$1,020	\$137.20	15.5%
	75	15,000	200	\$984	\$1,145	\$161.20	16.4%
	75	22,500	300	\$1,303	\$1,506	\$202.30	15.5%
	75	30,000	400	\$1,623	\$1,866	\$243.39	15.0%
	100	30,000	300	\$1,723	\$1,991	\$267.39	15.5%
	100	40,000	400	\$2,150	\$2,472	\$322.19	15.0%
	100	50,000	500	\$2,506	\$2,863	\$356.99	14.2%
	200	60,000	300	\$3,404	\$3,932	\$527.79	15.5%
	200	80,000	400	\$4,256	\$4,894	\$637.38	15.0%
	200	100,000	500	\$4,968	\$5,675	\$706.98	14.2%
	300	90,000	300	\$5,084	\$5,872	\$788.18	15.5%
	300	120,000	400	\$6,363	\$7,315	\$952.58	15.0%
	300	150,000	500	\$7,431	\$8,488	\$1,056.97	14.2%
	500	150,000	300	\$8,445	\$9,754	\$1,308.97	15.5%
	500	200,000	400	\$10,576	\$12,159	\$1,582.96	15.0%
	500	250,000	500	\$12,357	\$14,113	\$1,756.95	14.2%
	1,000	300,000	300	\$16,847	\$19,458	\$2,610.94	15.5%
	1,000	400,000	400	\$21,109	\$24,268	\$3,158.92	15.0%
	1,000	500,000	500	\$24,670	\$28,177	\$3,506.90	14.2%
	3,000	900,000	300	\$50,456	\$58,274	\$7,818.82	15.5%
	3,000	1,200,000	400	\$63,240	\$72,703	\$9,462.76	15.0%
	3,000	1,500,000	500	\$73,924	\$84,431	\$10,506.70	14.2%
	5,000	1,500,000	300	\$84,064	\$97,091	\$13,026.70	15.5%
	5,000	2,000,000	400	\$105,371	\$121,138	\$15,766.60	15.0%
	5,000	2,500,000	500	\$123,178	\$140,685	\$17,506.50	14.2%

Energy Controlled Service (Secondary Voltage) - D22
 (Proposed Peak-Controlled TOD EC Rider)

On-Peak Energy = 37%

	Demand in kW	Energy in kWh	Hours	Monthly Bill		Increase	
				Present	Proposed	Amount	Percent
Perf Factor C - No Firm Demand							
	15	3,000	200	\$209	\$247	\$37.73	18.0%
	15	3,750	250	\$240	\$282	\$41.81	17.4%
	15	4,500	300	\$271	\$317	\$45.89	16.9%
	25	5,000	200	\$320	\$379	\$58.21	18.2%
	25	6,250	250	\$372	\$437	\$65.01	17.5%
	25	7,500	300	\$423	\$494	\$71.82	17.0%
	50	10,000	200	\$598	\$707	\$109.42	18.3%
	50	12,500	250	\$700	\$823	\$123.03	17.6%
	50	15,000	300	\$802	\$939	\$136.63	17.0%
	75	15,000	200	\$875	\$1,036	\$160.63	18.4%
	75	22,500	300	\$1,182	\$1,383	\$201.45	17.0%
	75	30,000	400	\$1,488	\$1,731	\$242.26	16.3%
	100	30,000	300	\$1,561	\$1,828	\$266.26	17.1%
	100	40,000	400	\$1,970	\$2,291	\$320.68	16.3%
	100	50,000	500	\$2,309	\$2,664	\$355.11	15.4%
	200	60,000	300	\$3,080	\$3,605	\$525.53	17.1%
	200	80,000	400	\$3,897	\$4,532	\$634.37	16.3%
	200	100,000	500	\$4,575	\$5,278	\$703.21	15.4%
	300	90,000	300	\$4,598	\$5,383	\$784.79	17.1%
	300	120,000	400	\$5,825	\$6,773	\$948.05	16.3%
	300	150,000	500	\$6,841	\$7,892	\$1,051.32	15.4%
	500	150,000	300	\$7,635	\$8,938	\$1,303.32	17.1%
	500	200,000	400	\$9,679	\$11,255	\$1,575.42	16.3%
	500	250,000	500	\$11,373	\$13,121	\$1,747.53	15.4%
	1,000	300,000	300	\$15,227	\$17,827	\$2,599.63	17.1%
	1,000	400,000	400	\$19,315	\$22,459	\$3,143.84	16.3%
	1,000	500,000	500	\$22,704	\$26,192	\$3,488.05	15.4%
	3,000	900,000	300	\$45,596	\$53,381	\$7,784.89	17.1%
	3,000	1,200,000	400	\$57,860	\$67,278	\$9,417.52	16.3%
	3,000	1,500,000	500	\$68,025	\$78,475	\$10,450.15	15.4%
	5,000	1,500,000	300	\$75,965	\$88,935	\$12,970.15	17.1%
	5,000	2,000,000	400	\$96,405	\$112,096	\$15,691.20	16.3%
	5,000	2,500,000	500	\$113,346	\$130,758	\$17,412.25	15.4%

Northern States Power Company, a Minnesota Corporation
 Electric Utility - State of North Dakota
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 Sales and Revenue by Rate Component

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Charge	Units	Billing Units			Present Rate		Proposed Rate		Present Revenue			Proposed Revenue			Increase	Pct
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual	Annual	Annual
Cust Chg	Bills	189,498	379,774	569,272	\$5.50	\$5.50	\$9.00	\$9.00	1,042,237	2,088,757	3,130,994	1,705,480	3,417,966	5,123,445	1,992,451	63.6%
Energy Block1	MWH	116,371	220,896	337,266	62.000	54.200	86.500	72.000	7,214,980	11,972,553	19,187,533	10,066,061	15,904,498	25,970,560	6,783,026	35.4%
Energy Block2	MWH	24,974	47,123	72,098	53.000	45.100	86.500	72.000	1,323,644	2,125,263	3,448,908	2,160,287	3,392,882	5,553,169	2,104,261	61.0%
SS-AC Block1	MWH	20,061	0	20,061	-9.300	0.000	-12.975	0.000	-186,570	0	-186,570	-260,296	0	-260,296	-73,725	39.5%
SS-AC Block2	MWH	6,466	0	6,466	-7.950	0.000	-12.975	0.000	-51,401	0	-51,401	-83,891	0	-83,891	-32,490	63.2%
SS-WH Block1	MWH	3,465	6,995	10,460	-1.240	-1.084	-1.730	-1.440	-4,296	-7,583	-11,879	-5,994	-10,073	-16,067	-4,188	35.3%
SS-WH Block2	MWH	1,267	2,546	3,813	-1.060	-0.902	-1.730	-1.440	-1,343	-2,296	-3,639	-2,192	-3,666	-5,858	-2,218	61.0%
Fuel	MWH	141,345	268,019	409,364	14.580	14.580			2,060,811	3,907,719	5,968,531	0	0	0	-5,968,531	
D01 Residential									11,398,062	20,084,414	31,482,476	13,579,456	22,701,607	36,281,063	4,798,587	15.2%
Cust Chg	Bills	24	48	73	\$7.50	\$7.50	\$11.00	\$11.00	181	363	545	266	533	799	254	46.7%
Energy On-Pk	MWH	9	18	27	116.600	91.900	155.700	117.000	1,087	1,625	2,713	1,452	2,069	3,521	809	29.8%
Energy Off-Pk	MWH	33	62	95	28.100	28.100	45.000	45.000	920	1,744	2,664	1,473	2,793	4,266	1,602	60.1%
Fuel	MWH	42	80	122	14.580	14.580			613	1,163	1,776	0	0	0	-1,776	
D02 Residential TOD									2,802	4,896	7,698	3,191	5,396	8,587	889	11.5%
Cust Chg	Bills	30,126	60,376	90,502	\$7.50	\$7.50	\$11.00	\$11.00	225,945	452,819	678,764	331,386	664,134	995,520	316,756	46.7%
Energy Block1	MWH	26,297	51,296	77,592	62.000	54.200	86.500	72.000	1,630,384	2,780,225	4,410,609	2,274,648	3,693,288	5,967,936	1,557,327	35.3%
Energy Block2	MWH	10,010	17,550	27,560	53.000	45.100	86.500	72.000	530,553	791,493	1,322,046	865,902	1,263,581	2,129,483	807,437	61.1%
SS-AC Block1	MWH	7,192	0	7,192	-9.300	0.000	-12.975	0.000	-66,889	0	-66,889	-93,320	0	-93,320	-26,432	39.5%
SS-AC Block2	MWH	2,936	0	2,936	-7.950	0.000	-12.975	0.000	-23,338	0	-23,338	-38,089	0	-38,089	-14,751	63.2%
SS-WH Block1	MWH	1,052	2,075	3,127	-1.240	-1.084	-1.730	-1.440	-1,304	-2,249	-3,553	-1,819	-2,988	-4,807	-1,254	35.3%
SS-WH Block2	MWH	471	893	1,364	-1.060	-0.902	-1.730	-1.440	-499	-806	-1,305	-815	-1,286	-2,101	-796	61.0%
Fuel	MWH	36,307	68,845	105,152	14.580	14.580			529,355	1,003,766	1,533,121	0	0	0	-1,533,121	
D03 Residential UG									2,824,208	5,025,247	7,849,455	3,337,894	5,616,728	8,954,622	1,105,167	14.1%
Cust Chg	Bills	920	1,844	2,765	\$2.30	\$2.30	\$4.20	\$4.20	2,116	4,242	6,359	3,865	7,747	11,611	5,253	82.6%
Energy	MWH	2,184	4,142	6,326	31.500	31.500	53.800	53.800	68,800	130,459	199,258	117,506	222,815	340,321	141,062	70.8%
Fuel	MWH	2,184	4,142	6,326	14.580	14.580			31,844	60,384	92,228	0	0	0	-92,228	
D05 Res Energy-Ctrl Non-Dmd									102,761	195,084	297,845	121,371	230,562	351,932	54,087	18.2%
Cust Chg	Bills	326	654	981	\$2.30	\$2.30	\$4.20	\$4.20	751	1,505	2,256	1,371	2,748	4,119	1,863	82.6%
Energy	MWH	296	561	857	25.400	25.400	42.100	42.100	7,517	14,253	21,770	12,459	23,624	36,083	14,313	65.7%
Fuel	MWH	296	561	857	14.580	14.580			4,315	8,181	12,496	0	0	0	-12,496	
D10 Res Limited Off-Peak									12,582	23,939	36,521	13,830	26,372	40,202	3,680	10.1%

Northern States Power Company, a Minnesota Corporation
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Charge	Units	Billing Units			Present Rate		Proposed Rate		Present Revenue			Proposed Revenue			Increase	Pct
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual	Annual	Annual
		<i>Lights</i>	<i>KWH/Lt</i>	<i>KWH</i>												
A100S		562	487	274	\$6.04	\$6.04	\$6.65	\$6.65	13,578	27,156	40,734	14,949	29,898	44,848	4,114	10.1%
A250S		39	1,277	50	\$11.91	\$11.91	\$13.50	\$13.50	1,858	3,716	5,574	2,106	4,212	6,318	744	13.4%
A175M		123	844	104	\$6.04	\$6.04	\$6.65	\$6.65	2,972	5,943	8,915	3,272	6,544	9,815	900	10.1%
A400M		4	1,914	8	\$11.91	\$11.91	\$13.50	\$13.50	191	381	572	216	432	648	76	13.4%
D250S		4	1,277	5	\$13.74	\$13.74	\$15.50	\$15.50	220	440	660	248	496	744	84	12.8%
D400S		6	2,005	12	\$16.48	\$16.48	\$19.10	\$19.10	396	791	1,187	458	917	1,375	189	15.9%
Fuel	MWH	123	329	452	14.580	14.580			1,789	4,803	6,592	0	0	0	-6,592	
D11 Res Protective Lighting									21,002	43,230	64,232	21,249	42,499	63,748	-484	-0.8%
Cust Chg	Bills	63,800	127,883	191,683	\$5.50	\$5.50	\$12.00	\$12.00	350,899	703,358	1,054,257	765,597	1,534,599	2,300,196	1,245,940	118.2%
Energy Block1	MWH	37,220	102,944	140,164	62.000	54.200	86.500	63.600	2,307,638	5,579,551	7,887,189	3,219,528	6,547,222	9,766,750	1,879,561	23.8%
Energy Block2	MWH	5,591	62,076	67,668	53.000	37.900	86.500	63.600	296,339	2,352,688	2,649,027	483,648	3,948,047	4,431,694	1,782,667	67.3%
SS-AC Block1	MWH	3,152	0	3,152	-9.300	0.000	-12.975	0.000	-29,318	0	-29,318	-40,904	0	-40,904	-11,585	39.5%
SS-AC Block2	MWH	1,336	0	1,336	-7.950	0.000	-12.975	0.000	-10,623	0	-10,623	-17,338	0	-17,338	-6,715	63.2%
SS-WH Block1	MWH	1,367	2,827	4,193	-1.240	-1.084	-1.730	-1.272	-1,695	-3,064	-4,759	-2,365	-3,595	-5,960	-1,201	25.2%
SS-WH Block2	MWH	623	3,692	4,315	-1.060	-0.758	-1.730	-1.272	-661	-2,798	-3,459	-1,078	-4,696	-5,774	-2,315	66.9%
Fuel	MWH	42,811	165,020	207,831	14.580	14.580			624,188	2,405,991	3,030,179	0	0	0	-3,030,179	
D01 Res SH									3,536,768	11,035,726	14,572,494	4,407,089	12,021,577	16,428,666	1,856,172	12.7%
Cust Chg	Bills	48	96	143	\$7.50	\$7.50	\$14.00	\$14.00	357	716	1,074	667	1,337	2,005	931	86.7%
Energy On-Pk	MWH	24	93	117	116.600	79.200	155.700	94.600	2,807	7,350	10,157	3,749	8,779	12,528	2,371	23.3%
Energy Off-Pk	MWH	55	211	265	28.100	28.100	45.000	45.000	1,537	5,924	7,460	2,461	9,486	11,947	4,487	60.1%
Fuel	MWH	79	304	382	14.580	14.580			1,148	4,427	5,575	0	0	0	-5,575	
D02 Res SH TOD									5,850	18,417	24,267	6,877	19,603	26,480	2,213	9.1%
Cust Chg	Bills	8,988	18,015	27,003	\$7.50	\$7.50	\$14.00	\$14.00	67,408	135,116	202,524	125,828	252,216	378,044	175,521	86.7%
Energy Block1	MWH	8,253	19,541	27,794	62.000	54.200	86.500	63.600	511,683	1,059,144	1,570,827	713,880	1,242,834	1,956,713	385,886	24.6%
Energy Block2	MWH	2,026	20,079	22,105	53.000	37.900	86.500	63.600	107,372	761,004	868,376	175,239	1,277,041	1,452,280	583,904	67.2%
SS-AC Block1	MWH	1,477	0	1,477	-9.300	0.000	-12.975	0.000	-13,735	0	-13,735	-19,162	0	-19,162	-5,427	39.5%
SS-AC Block2	MWH	543	0	543	-7.950	0.000	-12.975	0.000	-4,318	0	-4,318	-7,048	0	-7,048	-2,730	63.2%
SS-WH Block1	MWH	478	946	1,424	-1.240	-1.084	-1.730	-1.272	-593	-1,026	-1,618	-827	-1,203	-2,030	-412	25.5%
SS-WH Block2	MWH	214	1,127	1,341	-1.060	-0.758	-1.730	-1.272	-227	-854	-1,081	-371	-1,434	-1,804	-723	66.8%
Fuel	MWH	10,279	39,621	49,899	14.580	14.580			149,865	577,669	727,535	0	0	0	-727,535	
D03 Res SH UG									817,455	2,531,053	3,348,509	987,540	2,769,453	3,756,993	408,484	12.2%

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Charge	Units	Billing Units			Present Rate		Proposed Rate		Present Revenue			Proposed Revenue			Increase Annual	Pct Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
Cust Chg	Bills	155	310	465	\$2.30	\$2.30	\$4.20	\$4.20	357	713	1,070	652	1,302	1,954	884	82.6%
Energy	MWH	585	1,161	1,746	31.500	31.500	53.800	53.800	18,435	36,575	55,010	31,487	62,467	93,954	38,944	70.8%
Fuel	MWH	585	1,161	1,746	14.580	14.580			8,533	16,929	25,462	0	0	0	-25,462	
D05 Com Energy-Ctrl Non-Dmd									27,325	54,216	81,542	32,139	63,769	95,908	14,366	17.6%
Cust Chg	Bills	139	277	416	\$2.30	\$2.30	\$4.20	\$4.20	319	638	957	583	1,165	1,748	791	82.6%
Energy	MWH	175	347	522	25.400	25.400	42.100	42.100	4,441	8,810	13,250	7,360	14,602	21,962	8,712	65.7%
Fuel	MWH	175	347	522	14.580	14.580			2,549	5,057	7,606	0	0	0	-7,606	
D10 Com Limited Off-Peak									7,309	14,505	21,814	7,944	15,767	23,711	1,897	8.7%
		<i>Lights</i>	<i>KWH/Lt</i>	<i>KWH</i>												
A100S		542	487	264	\$6.04	\$6.04	\$6.65	\$6.65	13,095	26,189	39,284	14,417	28,834	43,252	3,967	10.1%
A250S		280	1,277	358	\$11.91	\$11.91	\$13.50	\$13.50	13,339	26,678	40,018	15,120	30,240	45,360	5,342	13.4%
A175M		226	844	191	\$6.04	\$6.04	\$6.65	\$6.65	5,460	10,920	16,380	6,012	12,023	18,035	1,654	10.1%
A400M		121	1,914	232	\$11.91	\$11.91	\$13.50	\$13.50	5,764	11,529	17,293	6,534	13,068	19,602	2,309	13.4%
D250S		279	1,277	356	\$13.74	\$13.74	\$15.50	\$15.50	15,334	30,668	46,002	17,298	34,596	51,894	5,892	12.8%
D400S		982	2,005	1,969	\$16.48	\$16.48	\$19.10	\$19.10	64,733	129,467	194,200	75,025	150,050	225,074	30,874	15.9%
D400M		17	1,914	33	\$13.74	\$13.74	\$15.50	\$15.50	934	1,869	2,803	1,054	2,108	3,162	359	12.8%
Fuel	MWH	923	2,478	3,402	14.580	14.580			13,460	36,135	49,595	0	0	0	-49,595	
D11 Com Protective Lighting									132,120	273,455	405,575	135,460	270,919	406,379	803	0.2%
Cust Chg	Bills	32,384	64,682	97,066	\$8.25	\$8.25	\$12.00	\$12.00	267,167	533,627	800,794	388,607	776,185	1,164,791	363,997	45.5%
Energy	MWH	43,884	87,062	130,945	61.700	53.300	88.900	74.400	2,707,620	4,640,385	7,348,005	3,901,255	6,477,385	10,378,640	3,030,635	41.2%
SS-AC	Tons	3,772	0	3,772	-\$5.00	\$0.00	-\$5.00	\$0.00	-18,861	0	-18,861	-18,861	0	-18,861	0	0.0%
Fuel	MWH	43,884	87,062	130,945	14.580	14.580			639,823	1,269,359	1,909,182	0	0	0	-1,909,182	
D12 Small General									3,595,749	6,443,371	10,039,120	4,271,000	7,253,570	11,524,570	1,485,451	14.8%
Cust Chg	Bills	1,405	2,807	4,212	\$10.25	\$10.25	\$14.00	\$14.00	14,403	28,768	43,170	19,672	39,292	58,964	15,794	36.6%
Energy On-Pk	MWH	606	1,202	1,807	95.700	79.300	133.900	102.800	57,965	95,291	153,256	81,102	123,530	204,632	51,376	33.5%
Energy Off-Pk	MWH	512	1,015	1,527	26.800	26.800	45.000	45.000	13,713	27,205	40,917	23,025	45,680	68,705	27,787	67.9%
Fuel	MWH	1,117	2,217	3,334	14.580	14.580			16,291	32,320	48,611	0	0	0	-48,611	
D14 Small General TOD									102,372	183,583	285,955	123,800	208,502	332,301	46,346	16.2%
Cust Chg	Bills	453	906	1,359	\$6.00	\$6.00	\$9.00	\$9.00	2,720	5,434	8,154	4,081	8,151	12,231	4,077	50.0%
Energy	MWH	225	446	671	50.900	45.200	76.100	65.200	11,452	20,176	31,629	17,122	29,104	46,227	14,598	46.2%
Fuel	MWH	225	446	671	14.580	14.580			3,280	6,508	9,789	0	0	0	-9,789	
D18 Small General UnMtrd									17,453	32,118	49,572	21,203	37,255	58,458	8,886	17.9%

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Charge	Units	Billing Units			Present Rate		Proposed Rate		Present Revenue			Proposed Revenue			Increase	Pct
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual	Annual	Annual
Cust Chg	Bills	11,695	23,358	35,053	\$15.40	\$15.40	\$22.00	\$22.00	180,097	359,718	539,815	257,282	513,883	771,165	231,349	42.9%
Energy	MWH	192,727	382,356	575,083	28.900	28.900	49.500	49.500	5,569,822	11,050,083	16,619,905	9,540,006	18,926,613	28,466,619	11,846,714	71.3%
EnergyCredit	MWH	7,487	19,676	27,163	-7.000	-7.000	-9.000	-9.000	-52,406	-137,734	-190,140	-67,379	-177,087	-244,466	-54,326	28.6%
Demand	KW	636,999	1,234,180	1,871,179	\$8.93	\$6.62	\$10.68	\$7.18	5,688,402	8,170,271	13,858,673	6,803,150	8,861,412	15,664,562	1,805,889	13.0%
DmdLimitChg	KW	-5,809	-11,255	-17,064			\$10.68	\$7.18	0	0	0	-62,040	-80,810	-142,850	-142,850	
SS-AC	Tons	11,073	0	11,073	-\$5.00	\$0.00	-\$5.00	\$0.00	-55,365	0	-55,365	-55,365	0	-55,365	0	0.0%
Fuel	MWH	192,727	382,356	575,083	14.580	14.580			2,809,966	5,574,748	8,384,713	0	0	0	-8,384,713	
D16 General Sm C&I Secondary									14,140,516	25,017,086	39,157,601	16,415,654	28,044,010	44,459,664	5,302,063	13.5%
Cust Chg	Bills	65	131	196	\$15.40	\$15.40	\$22.00	\$22.00	1,006	2,010	3,017	1,438	2,872	4,310	1,293	42.9%
Energy	MWH	2,396	4,754	7,151	28.400	28.400	48.800	48.800	68,058	135,021	203,079	116,944	232,008	348,952	145,873	71.8%
EnergyCredit	MWH	61	422	482	-7.000	-7.000	-9.000	-9.000	-425	-2,951	-3,376	-547	-3,794	-4,340	-965	28.6%
Demand	KW	7,795	14,240	22,035	\$8.38	\$6.07	\$9.83	\$6.33	65,321	86,440	151,761	76,624	90,142	166,766	15,005	9.9%
DmdLimitChg	KW	-200	-366	-567			\$9.83	\$6.33	0	0	0	-1,971	-2,318	-4,289	-4,289	
Fuel	MWH	2,396	4,754	7,151	14.580	14.580			34,939	69,317	104,257	0	0	0	-104,257	
D16 General Sm C&I Primary									168,900	289,837	458,737	192,488	318,910	511,398	52,661	11.5%
Cust Chg	Bills	637	1,273	1,910	\$18.40	\$18.40	\$25.00	\$25.00	11,725	23,419	35,144	15,931	31,819	47,749	12,606	35.9%
Energy On-Pk	MWH	14,189	28,150	42,339	33.200	33.200	64.940	64.940	471,080	934,585	1,405,664	921,443	1,828,070	2,749,514	1,343,849	95.6%
Energy Off-Pk	MWH	24,389	48,386	72,775	25.000	25.000	38.200	38.200	609,724	1,209,644	1,819,368	931,658	1,848,336	2,779,995	960,626	52.8%
EnergyCredit	MWH	6,839	10,408	17,248	-7.000	-7.000	-9.000	-9.000	-47,876	-72,857	-120,733	-61,555	-93,673	-155,228	-34,495	28.6%
Demand	KW	82,061	173,903	255,964	\$8.93	\$6.62	\$10.68	\$7.18	732,808	1,151,238	1,884,047	876,416	1,248,624	2,125,040	240,993	12.8%
DmdLimitChg	KW	-35	-74	-108			\$10.68	\$7.18	0	0	0	-371	-529	-900	-900	
Demand Off	KW	2,476	3,011	5,487	\$1.85	\$1.85	\$1.85	\$1.85	4,580	5,571	10,151	4,580	5,571	10,151	0	0.0%
SS-AC	Tons	708	0	708	-\$5.00	\$0.00	-\$5.00	\$0.00	-3,540	0	-3,540	-3,540	0	-3,540	0	0.0%
Fuel	MWH	38,578	76,536	115,114	14.580	14.580			562,469	1,115,893	1,678,362	0	0	0	-1,678,362	
D17 General TOD Sm C&I Secondary									2,340,970	4,367,494	6,708,463	2,684,562	4,868,219	7,552,780	844,317	12.6%

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Charge	Units	Billing Units			Present Rate		Proposed Rate		Present Revenue			Proposed Revenue			Increase	Pct
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual	Annual	Annual
Cust Chg	Bills	8	16	24	\$18.40	\$18.40	\$25.00	\$25.00	150	300	451	204	408	612	162	35.9%
Energy On-Pk	MWH	560	1,111	1,671	32.700	32.700	64.240	64.240	18,317	36,339	54,656	35,984	71,389	107,373	52,717	96.5%
Energy Off-Pk	MWH	861	1,709	2,571	24.500	24.500	37.500	37.500	21,106	41,872	62,978	32,305	64,090	96,394	33,417	53.1%
EnergyCredit	MWH	123	152	275	-7.000	-7.000	-9.000	-9.000	-859	-1,063	-1,922	-1,104	-1,367	-2,471	-549	28.6%
Demand	KW	3,127	6,306	9,433	\$8.38	\$6.07	\$9.83	\$6.33	26,203	38,277	64,480	30,737	39,916	70,653	6,173	9.6%
DmdLimitChg	KW	-2	-5	-7			\$9.83	\$6.33	0	0	0	-24	-32	-56	-56	
Demand Off	KW	186	296	482	\$1.30	\$1.30	\$1.00	\$1.00	242	385	627	186	296	482	-145	-23.1%
Fuel	MWH	1,422	2,820	4,242	14.580	14.580			20,727	41,121	61,848	0	0	0	-61,848	
D17 General TOD Sm C&I Primary									85,886	157,231	243,116	98,287	174,701	272,988	29,871	12.3%
Cust Chg	Bills	294	587	882	\$40.00	\$40.00	\$50.00	\$50.00	11,764	23,497	35,261	14,705	29,371	44,076	8,815	25.0%
Energy	MWH	17,468	34,654	52,122	28.900	28.900	49.500	49.500	504,813	1,001,509	1,506,321	864,645	1,715,387	2,580,032	1,073,710	71.3%
EnergyCredit	MWH	148	411	559	-7.000	-7.000	-9.000	-9.000	-1,038	-2,876	-3,915	-1,335	-3,698	-5,033	-1,118	28.6%
Demand Firm	KW	15,549	24,201	39,749	\$8.93	\$6.62	\$10.68	\$7.18	138,851	160,208	299,058	166,061	173,760	339,821	40,763	13.6%
Dmd Control A	KW	29,166	60,522	89,688	\$4.50	\$4.50	\$5.46	\$5.46	131,247	272,351	403,598	159,246	330,452	489,698	86,101	21.3%
Dmd Control B	KW	22,998	33,931	56,929	\$4.02	\$4.02	\$4.98	\$4.98	92,451	136,402	228,853	114,528	168,976	283,504	54,651	23.9%
Dmd Control C	KW	9,941	13,708	23,649	\$3.62	\$3.62	\$4.58	\$4.58	35,987	49,624	85,611	45,531	62,784	108,315	22,703	26.5%
Fuel	MWH	17,468	34,654	52,122	14.580	14.580			254,677	505,259	759,937	0	0	0	-759,937	
D20 Peak-Ctrl Sm C&I Secondary									1,168,751	2,145,973	3,314,724	1,363,382	2,477,031	3,840,413	525,689	15.9%
Cust Chg	Bills	4	8	12	\$40.00	\$40.00	\$50.00	\$50.00	163	326	490	204	408	612	122	25.0%
Energy	MWH	855	1,697	2,552	28.400	28.400	48.800	48.800	24,287	48,184	72,471	41,733	82,794	124,527	52,056	71.8%
Demand Firm	KW	878	1,301	2,179	\$8.38	\$6.07	\$9.83	\$6.33	7,361	7,895	15,256	8,635	8,234	16,868	1,612	10.6%
Dmd Control A	KW	2,133	4,016	6,149	\$3.95	\$3.95	\$4.61	\$4.61	8,424	15,863	24,287	9,832	18,514	28,345	4,058	16.7%
Fuel	MWH	855	1,697	2,552	14.580	14.580			12,469	24,737	37,205	0	0	0	-37,205	
D20 Peak-Ctrl Sm C&I Primary									52,704	97,005	149,709	60,403	109,950	170,353	20,644	13.8%

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Charge	Units	Billing Units			Present Rate		Proposed Rate		Present Revenue			Proposed Revenue			Increase	Pct
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual	Annual	Annual
Cust Chg	Bills	33	65	98	\$43.00	\$43.00	\$50.00	\$50.00	1,405	2,807	4,212	1,634	3,263	4,897	686	16.3%
Energy On-Pk	MWH	1,012	2,009	3,021	33.200	33.200	64.940	64.940	33,615	66,689	100,304	65,751	130,446	196,197	95,893	95.6%
Energy Off-Pk	MWH	1,356	2,690	4,046	25.000	25.000	38.200	38.200	33,902	67,259	101,162	51,803	102,772	154,575	53,413	52.8%
EnergyCredit	MWH	528	1,183	1,711	-7.000	-7.000	-9.000	-9.000	-3,697	-8,280	-11,977	-4,753	-10,646	-15,399	-3,422	28.6%
Demand Firm	KW	1,907	8,740	10,647	\$8.93	\$6.62	\$10.68	\$7.18	17,032	57,856	74,888	20,370	62,750	83,120	8,232	11.0%
Dmd Control A	KW	1,031	4,508	5,539	\$4.50	\$4.50	\$5.46	\$5.46	4,638	20,287	24,925	5,627	24,615	30,242	5,317	21.3%
Dmd Control B	KW	1,025	6,368	7,393	\$4.02	\$4.02	\$4.98	\$4.98	4,121	25,601	29,722	5,105	31,714	36,819	7,098	23.9%
Dmd Control C	KW	323	1,711	2,034	\$3.62	\$3.62	\$4.58	\$4.58	1,170	6,193	7,363	1,480	7,836	9,316	1,953	26.5%
Demand Off	KW	330	792	1,121	\$1.85	\$1.85	\$1.85	\$1.85	610	1,464	2,075	610	1,464	2,075	0	0.0%
Fuel	MWH	2,369	4,699	7,068	14.580	14.580			34,534	68,513	103,047	0	0	0	-103,047	
D21 Peak-Ctrl TOD Sm C&I Secondary									127,331	308,388	435,719	147,628	354,214	501,842	66,123	15.2%
Cust Chg	Bills	4	8	12	\$43.00	\$43.00	\$50.00	\$50.00	176	351	526	204	408	612	86	16.3%
Energy On-Pk	MWH	320	636	956	32.700	32.700	64.240	64.240	10,476	20,783	31,259	20,580	40,830	61,410	30,150	96.5%
Energy Off-Pk	MWH	581	1,154	1,735	24.500	24.500	37.500	37.500	14,245	28,261	42,507	21,804	43,257	65,061	22,555	53.1%
Demand Firm	KW	1,734	2,080	3,814	\$8.38	\$6.07	\$9.83	\$6.33	14,530	12,628	27,158	17,045	13,169	30,213	3,055	11.2%
Dmd Control A	KW	2,053	2,727	4,780	\$3.95	\$3.95	\$4.61	\$4.61	8,108	10,772	18,880	9,463	12,572	22,034	3,155	16.7%
Demand Off	KW	45	1	46	\$1.30	\$1.30	\$1.00	\$1.00	58	1	59	45	1	46	-14	-23.1%
Fuel	MWH	902	1,789	2,691	14.580	14.580			13,148	26,085	39,233	0	0	0	-39,233	
D21 Peak-Ctrl TOD Sm C&I Primary									60,742	98,882	159,624	69,141	110,236	179,377	19,753	12.4%
Cust Chg	Bills	331	661	992	\$43.00	\$43.00	\$50.00	\$50.00	14,227	28,417	42,644	16,543	33,043	49,586	6,942	16.3%
Energy On-Pk	MWH	993	1,971	2,964	33.200	33.200	64.940	64.940	32,982	65,435	98,417	64,515	127,992	192,506	94,089	95.6%
Energy Off-Pk	MWH	1,697	3,368	5,065	25.000	25.000	38.200	38.200	42,435	84,189	126,624	64,841	128,640	193,481	66,857	52.8%
Ctl Energy On	MWH	16,811	33,351	50,162	30.900	30.900	62.470	62.470	519,450	1,030,547	1,549,997	1,050,163	2,083,439	3,133,602	1,583,605	102.2%
Ctl Energy Off	MWH	26,830	53,230	80,060	23.600	23.600	36.840	36.840	633,199	1,256,217	1,889,416	988,435	1,960,975	2,949,410	1,059,994	56.1%
EnergyCredit	MWH	6,554	15,059	21,613	-7.000	-7.000	-9.000	-9.000	-45,876	-105,415	-151,292	-58,984	-135,534	-194,518	-43,226	28.6%
Demand Firm	KW	10,257	8,615	18,872	\$8.93	\$6.62	\$10.68	\$7.18	91,591	57,033	148,624	109,540	61,858	171,397	22,773	15.3%
Dmd Control A	KW	9,123	25,600	34,723	\$3.87	\$3.87	\$4.83	\$4.83	35,307	99,070	134,377	44,065	123,646	167,711	33,334	24.8%
Dmd Control B	KW	24,822	47,794	72,616	\$3.42	\$3.42	\$4.38	\$4.38	84,891	163,455	248,346	108,720	209,337	318,057	69,711	28.1%
Dmd Control C	KW	70,428	130,189	200,618	\$2.92	\$2.92	\$3.88	\$3.88	205,650	380,153	585,803	273,261	505,135	778,396	192,593	32.9%
Demand Off	KW	1,246	3,031	4,278	\$1.85	\$1.85	\$1.85	\$1.85	2,306	5,607	7,913	2,306	5,607	7,913	0	0.0%
Fuel	MWH	46,332	91,919	138,251	14.580	14.580			675,521	1,340,179	2,015,700	0	0	0	-2,015,700	
D22 Energy-Ctrl Sm C&I Secondary									2,291,683	4,404,886	6,696,569	2,663,404	5,104,138	7,767,542	1,070,973	16.0%

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Charge	Units	Billing Units			Present Rate		Proposed Rate		Present Revenue			Proposed Revenue			Increase	Pct
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual	Annual	Annual
Cust Chg	Bills	4	8	12	\$43.00	\$43.00	\$50.00	\$50.00	176	351	526	204	408	612	86	16.3%
Energy On-Pk	MWH	262	519	781	32.700	32.700	64.240	64.240	8,556	16,975	25,531	16,809	33,347	50,156	24,625	96.5%
Energy Off-Pk	MWH	530	1,052	1,582	24.500	24.500	37.500	37.500	12,992	25,775	38,767	19,886	39,451	59,337	20,570	53.1%
Ctl Energy On	MWH	936	1,858	2,794	30.400	30.400	61.770	61.770	28,464	56,471	84,936	57,837	114,744	172,582	87,646	103.2%
Ctl Energy Off	MWH	1,595	3,165	4,760	23.100	23.100	36.140	36.140	36,852	73,111	109,962	57,654	114,382	172,036	62,074	56.5%
EnergyCredit	MWH	535	1,146	1,681	-7.000	-7.000	-9.000	-9.000	-3,747	-8,019	-11,766	-4,818	-10,311	-15,128	-3,362	28.6%
Demand Firm	KW	642	725	1,367	\$8.38	\$6.07	\$9.83	\$6.33	5,380	4,403	9,783	6,311	4,592	10,903	1,120	11.4%
Dmd Control A	KW	545	639	1,183	\$3.32	\$3.32	\$3.98	\$3.98	1,808	2,120	3,928	2,167	2,542	4,709	781	19.9%
Dmd Control B	KW	215	406	621	\$2.87	\$2.87	\$3.53	\$3.53	617	1,167	1,784	759	1,435	2,194	410	23.0%
Dmd Control C	KW	5,532	9,217	14,749	\$2.37	\$2.37	\$3.03	\$3.03	13,111	21,845	34,956	16,763	27,928	44,691	9,735	27.8%
Fuel	MWH	3,324	6,594	9,917	14.580	14.580			48,458	96,136	144,594	0	0	0	-144,594	
D22 Energy-Ctrl Sm C&I Primary									152,667	290,335	443,001	173,572	328,519	502,091	59,090	13.3%
Cust Chg	Bills	8	16	24	\$15.40	\$15.40	\$22.00	\$22.00	123	246	370	176	352	528	158	42.9%
Energy	MWH	14,437	27,993	42,430	28.900	28.900	49.500	49.500	417,223	809,009	1,226,232	714,621	1,385,672	2,100,293	874,061	71.3%
EnergyCredit	MWH	959	932	1,891	-7.000	-7.000	-9.000	-9.000	-6,710	-6,526	-13,236	-8,627	-8,390	-17,017	-3,782	28.6%
Demand	KW	37,697	76,051	113,748	\$8.93	\$6.62	\$10.68	\$7.18	336,632	503,460	840,092	402,601	546,049	948,650	108,558	12.9%
DmdLimitChg	KW	-288	-582	-870			\$10.68	\$7.18	0	0	0	-3,079	-4,176	-7,255	-7,255	
Fuel	MWH	14,437	27,993	42,430	14.580	14.580			210,488	408,144	618,632	0	0	0	-618,632	
D16 General Lg C&I Secondary									957,756	1,714,333	2,672,090	1,105,692	1,919,508	3,025,200	353,110	13.2%
Cust Chg	Bills	8	16	24	\$18.40	\$18.40	\$25.00	\$25.00	147	294	442	200	400	600	158	35.9%
Energy On-Pk	MWH	10,455	20,272	30,727	33.200	33.200	64.940	64.940	347,097	673,032	1,020,129	678,930	1,316,467	1,995,397	975,268	95.6%
Energy Off-Pk	MWH	15,647	30,340	45,987	25.000	25.000	38.200	38.200	391,172	758,495	1,149,667	597,711	1,158,980	1,756,690	607,024	52.8%
EnergyCredit	MWH	4,503	14,522	19,024	-7.000	-7.000	-9.000	-9.000	-31,518	-101,653	-133,171	-40,523	-130,697	-171,220	-38,049	28.6%
Demand	KW	53,057	81,376	134,433	\$8.93	\$6.62	\$10.68	\$7.18	473,797	538,708	1,012,506	566,647	584,279	1,150,926	138,420	13.7%
Demand Off	KW	1,319	3,144	4,464	\$1.85	\$1.85	\$1.85	\$1.85	2,441	5,817	8,258	2,441	5,817	8,258	0	0.0%
Fuel	MWH	26,102	50,612	76,713	14.580	14.580			380,561	737,921	1,118,482	0	0	0	-1,118,482	
D17 General TOD Lg C&I Secondary									1,563,698	2,612,614	4,176,311	1,805,405	2,935,246	4,740,651	564,339	13.5%

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Charge	Units	Billing Units			Present Rate		Proposed Rate		Present Revenue			Proposed Revenue			Increase	Pct
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual	Annual	Annual
Cust Chg	Bills	4	8	12	\$18.40	\$18.40	\$25.00	\$25.00	74	147	221	100	200	300	79	35.9%
Energy On-Pk	MWH	1,165	2,259	3,424	32.700	32.700	64.240	64.240	38,097	73,872	111,969	74,843	145,123	219,967	107,997	96.5%
Energy Off-Pk	MWH	1,671	3,240	4,911	24.500	24.500	37.500	37.500	40,939	79,381	120,320	62,661	121,502	184,163	63,843	53.1%
EnergyCredit	MWH	245	296	541	-7.000	-7.000	-9.000	-9.000	-1,713	-2,073	-3,787	-2,203	-2,666	-4,869	-1,082	28.6%
Demand	KW	5,691	11,037	16,727	\$8.38	\$6.07	\$9.83	\$6.33	47,689	66,992	114,681	55,941	69,862	125,803	11,121	9.7%
Fuel	MWH	2,836	5,499	8,335	14.580	14.580			41,349	80,177	121,526	0	0	0	-121,526	
D17 General TOD Lg C&I Primary									166,435	298,496	464,931	191,343	334,021	525,364	60,433	13.0%
Cust Chg	Bills	20	40	60	\$43.00	\$43.00	\$50.00	\$50.00	860	1,720	2,580	1,000	2,000	3,000	420	16.3%
Energy On-Pk	MWH	16,631	32,248	48,880	33.200	33.200	64.940	64.940	552,155	1,070,647	1,622,802	1,080,029	2,094,211	3,174,241	1,551,438	95.6%
Energy Off-Pk	MWH	30,769	59,662	90,431	25.000	25.000	38.200	38.200	769,226	1,491,553	2,260,779	1,175,377	2,279,093	3,454,470	1,193,691	52.8%
EnergyCredit	MWH	10,568	23,137	33,705	-7.000	-7.000	-9.000	-9.000	-73,977	-161,960	-235,937	-95,113	-208,235	-303,348	-67,411	28.6%
Demand Firm	KW	43,111	66,646	109,757	\$8.93	\$6.62	\$10.68	\$7.18	384,981	441,198	826,179	460,425	478,520	938,945	112,766	13.6%
Dmd Control A	KW	23,296	34,378	57,674	\$4.50	\$4.50	\$5.46	\$5.46	104,832	154,702	259,534	127,196	187,706	314,901	55,367	21.3%
Dmd Control B	KW	23,173	48,563	71,736	\$4.02	\$4.02	\$4.98	\$4.98	93,153	195,225	288,378	115,399	241,845	357,244	68,866	23.9%
Dmd Control C	KW	7,305	13,047	20,352	\$3.62	\$3.62	\$4.58	\$4.58	26,444	47,229	73,673	33,456	59,754	93,210	19,538	26.5%
Demand Off	KW	1,068	1,082	2,150	\$1.85	\$1.85	\$1.85	\$1.85	1,976	2,001	3,977	1,976	2,001	3,977	0	0.0%
Fuel	MWH	47,400	91,911	139,311	14.580	14.580			691,095	1,340,056	2,031,151	0	0	0	-2,031,151	
D21 Peak-Ctrl TOD Lg C&I Secondary									2,550,745	4,582,371	7,133,116	2,899,745	5,136,896	8,036,641	903,525	12.7%
Cust Chg	Bills	20	40	60	\$43.00	\$43.00	\$50.00	\$50.00	860	1,720	2,580	1,000	2,000	3,000	420	16.3%
Energy On-Pk	MWH	882	1,710	2,591	33.200	33.200	64.940	64.940	29,272	56,759	86,031	57,256	111,022	168,279	82,248	95.6%
Energy Off-Pk	MWH	1,300	2,521	3,821	25.000	25.000	38.200	38.200	32,503	63,024	95,526	49,664	96,300	145,964	50,438	52.8%
Ctl Energy On	MWH	2,343	4,543	6,887	30.900	30.900	62.470	62.470	72,403	140,391	212,794	146,375	283,826	430,202	217,408	102.2%
Ctl Energy Off	MWH	2,290	4,441	6,731	23.600	23.600	36.840	36.840	54,048	104,801	158,849	84,370	163,596	247,965	89,117	56.1%
EnergyCredit	MWH	1,076	2,967	4,043	-7.000	-7.000	-9.000	-9.000	-7,531	-20,767	-28,298	-9,682	-26,700	-36,383	-8,085	28.6%
Demand Firm	KW	1,430	820	2,249	\$8.93	\$6.62	\$10.68	\$7.18	12,766	5,426	18,192	15,268	5,885	21,152	2,961	16.3%
Dmd Control A	KW	362	3,134	3,495	\$3.87	\$3.87	\$4.83	\$4.83	1,400	12,128	13,527	1,747	15,136	16,883	3,356	24.8%
Dmd Control B	KW	4,736	6,553	11,289	\$3.42	\$3.42	\$4.38	\$4.38	16,199	22,410	38,609	20,746	28,701	49,446	10,838	28.1%
Dmd Control C	KW	11,193	20,729	31,922	\$2.92	\$2.92	\$3.88	\$3.88	32,684	60,530	93,214	43,429	80,430	123,859	30,646	32.9%
Demand Off	KW	152	682	834	\$1.85	\$1.85	\$1.85	\$1.85	280	1,262	1,543	280	1,262	1,543	0	0.0%
Fuel	MWH	6,815	13,215	20,030	14.580	14.580			99,364	192,670	292,034	0	0	0	-292,034	
D22 Energy-Ctrl Lg C&I Secondary									344,247	640,353	984,600	410,463	761,458	1,171,910	187,311	19.0%

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Charge	Units	Billing Units			Present Rate		Proposed Rate		Present Revenue			Proposed Revenue			Increase	Pct
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual	Annual	Annual
Cust Chg	Bills	32	64	96	\$43.00	\$43.00	\$50.00	\$50.00	1,376	2,752	4,128	1,600	3,200	4,800	672	16.3%
Ctl Energy On	MWH	8,821	17,104	25,925	30.400	30.400	61.770	61.770	268,159	519,970	788,129	544,875	1,056,531	1,601,406	813,277	103.2%
Ctl Energy Off	MWH	14,752	28,605	43,358	23.100	23.100	36.140	36.140	340,779	660,781	1,001,560	533,149	1,033,794	1,566,943	565,383	56.5%
EnergyCredit	MWH	3,797	7,942	11,739	-7.000	-7.000	-9.000	-9.000	-26,577	-55,592	-82,170	-34,171	-71,476	-105,647	-23,477	28.6%
Demand Firm	KW	4,554	6,172	10,725	\$8.38	\$6.07	\$9.83	\$6.33	38,159	37,461	75,620	44,761	39,066	83,827	8,207	10.9%
Dmd Control A	KW	3,862	5,434	9,296	\$3.32	\$3.32	\$3.98	\$3.98	12,822	18,040	30,862	15,371	21,626	36,997	6,135	19.9%
Dmd Control B	KW	1,525	3,458	4,983	\$2.87	\$2.87	\$3.53	\$3.53	4,377	9,925	14,302	5,384	12,207	17,591	3,289	23.0%
Dmd Control C	KW	39,239	78,417	117,655	\$2.37	\$2.37	\$3.03	\$3.03	92,996	185,847	278,843	118,893	237,602	356,495	77,652	27.8%
Demand Off	KW	332	893	1,226	\$1.30	\$1.30	\$1.00	\$1.00	432	1,161	1,594	332	893	1,226	-368	-23.1%
Fuel	MWH	23,573	45,710	69,283	14.580	14.580			343,700	666,445	1,010,144	0	0	0	-1,010,144	
D22 Energy-Ctrl Lg C&I Primary									1,076,222	2,046,790	3,123,012	1,230,195	2,333,443	3,563,639	440,626	14.1%
		<i>Lights</i>	<i>KWH/Lt</i>	<i>KWH</i>												
OH100S		2,464	487	1,200	\$8.04	\$8.04	\$8.75	\$8.75	79,242	158,484	237,727	86,240	172,480	258,720	20,993	8.8%
OH150S		1,079	711	767	\$9.69	\$9.69	\$10.38	\$10.38	41,822	83,644	125,466	44,800	89,600	134,400	8,934	7.1%
OH250S		192	1,277	245	\$13.00	\$13.00	\$13.93	\$13.93	9,984	19,968	29,952	10,698	21,396	32,095	2,143	7.2%
OH400S		15	2,005	30	\$16.14	\$16.14	\$17.55	\$17.55	968	1,937	2,905	1,053	2,106	3,159	254	8.7%
UG100S		231	487	112	\$13.97	\$13.97	\$14.74	\$14.74	12,908	25,817	38,725	13,620	27,240	40,859	2,134	5.5%
UG150S		74	711	53	\$15.83	\$15.83	\$16.52	\$16.52	4,686	9,371	14,057	4,890	9,780	14,670	613	4.4%
Fuel	MWH	653	1,754	2,408	14.580	14.580			9,527	25,575	35,101	0	0	0	-35,101	
D30 Street Lighting (Leased)									159,137	324,796	483,933	161,301	322,602	483,903	-30	0.0%

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Charge	Units	Billing Units			Present Rate		Proposed Rate		Present Revenue			Proposed Revenue			Increase	Pct
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual	Annual	Annual
		<i>Lights</i>	<i>KWH/Lt</i>	<i>KWH</i>												
70S		117	337	39	\$3.20	\$3.20	\$3.49	\$3.49	1,498	2,995	4,493	1,633	3,267	4,900	407	9.1%
100S		2,570	487	1,252	\$3.35	\$3.35	\$3.86	\$3.86	34,438	68,876	103,314	39,681	79,362	119,042	15,728	15.2%
150S		1,760	711	1,251	\$4.13	\$4.13	\$4.93	\$4.93	29,075	58,150	87,226	34,707	69,414	104,122	16,896	19.4%
200S		36	986	35	\$5.42	\$5.42	\$6.44	\$6.44	780	1,561	2,341	927	1,855	2,782	441	18.8%
250S		2,339	1,277	2,987	\$6.30	\$6.30	\$7.70	\$7.70	58,943	117,886	176,828	72,041	144,082	216,124	39,295	22.2%
400S		731	2,005	1,466	\$8.77	\$8.77	\$11.01	\$11.01	25,643	51,287	76,930	32,193	64,386	96,580	19,649	25.5%
1000S		282	4,701	1,326	\$19.20	\$19.20	\$24.30	\$24.30	21,658	43,315	64,973	27,410	54,821	82,231	17,258	26.6%
175M		664	844	560	\$4.13	\$4.13	\$5.31	\$5.31	10,969	21,939	32,908	14,103	28,207	42,310	9,402	28.6%
250M		58	1,186	69	\$5.36	\$5.36	\$6.92	\$6.92	1,244	2,487	3,731	1,605	3,211	4,816	1,086	29.1%
400M		86	1,914	165	\$7.84	\$7.84	\$10.25	\$10.25	2,697	5,394	8,091	3,526	7,052	10,578	2,487	30.7%
100S		641	487	312	\$2.90	\$2.90	\$3.86	\$3.86	7,436	14,871	22,307	9,897	19,794	29,691	7,384	33.1%
150S		520	711	370	\$3.68	\$3.68	\$4.93	\$4.93	7,654	15,309	22,963	10,254	20,509	30,763	7,800	34.0%
200S		24	986	24	\$4.67	\$4.67	\$6.44	\$6.44	448	897	1,345	618	1,236	1,855	510	37.9%
250S		520	1,277	664	\$5.55	\$5.55	\$7.70	\$7.70	11,544	23,088	34,632	16,016	32,032	48,048	13,416	38.7%
310S		30	1,650	50	\$6.62	\$6.62	\$9.33	\$9.33	794	1,589	2,383	1,120	2,239	3,359	976	40.9%
400S		186	2,005	373	\$8.02	\$8.02	\$11.01	\$11.01	5,967	11,934	17,901	8,191	16,383	24,574	6,674	37.3%
250M		16	1,186	19	\$5.11	\$5.11	\$6.92	\$6.92	327	654	981	443	886	1,329	348	35.4%
100S		193	487	94	\$3.35	\$3.35	\$3.86	\$3.86	2,586	5,172	7,759	2,980	5,960	8,940	1,181	15.2%
150S		168	711	119	\$4.13	\$4.13	\$4.93	\$4.93	2,775	5,551	8,326	3,313	6,626	9,939	1,613	19.4%
200S		37	986	36	\$5.22	\$5.22	\$6.44	\$6.44	773	1,545	2,318	953	1,906	2,859	542	23.4%
250S		331	1,277	423	\$6.10	\$6.10	\$7.70	\$7.70	8,076	16,153	24,229	10,195	20,390	30,584	6,355	26.2%
310S		134	1,650	221	\$7.17	\$7.17	\$9.33	\$9.33	3,843	7,686	11,529	5,001	10,002	15,003	3,473	30.1%
400S		38	2,005	76	\$8.57	\$8.57	\$11.01	\$11.01	1,303	2,605	3,908	1,674	3,347	5,021	1,113	28.5%
70S		4	337	1	\$1.39	\$1.39	\$1.75	\$1.75	22	44	67	28	56	84	17	25.9%
Fuel	MWH	3,238	8,694	11,932	14.580	14.580			47,216	126,755	173,971	0	0	0	-173,971	
D31 Street Lighting (Purchased)									287,710	607,743	895,453	298,511	597,022	895,533	80	0.0%
01Bills	Bills	48	96	144	\$8.25	\$8.25	\$12.00	\$12.00	396	792	1,188	576	1,152	1,728	540	45.5%
02E	MWH	121	366	487	40.300	40.300	52.380	52.380	4,869	14,752	19,621	6,328	19,174	25,502	5,881	30.0%
Fuel	MWH	121	366	487	14.580	14.580			1,761	5,337	7,099	0	0	0	-7,099	
D33 Street Lighting (Metered Energy)									7,026	20,882	27,907	6,904	20,326	27,230	-677	-2.4%

Northern States Power Company, a Minnesota Corporation

Electric Utility - State of North Dakota

Test Year Ending December 31, 2008

Sales and Revenue by Rate Component

Case No. PU-07-____

Exhibit No. ____ (SVH-1)

Schedule 4

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Charge	Units	Billing Units			Present Rate		Proposed Rate		Present Revenue			Proposed Revenue			Increase Annual	Pct Annual
		Summer	Winter	Annual	Summer	Winter	Summer	Winter	Summer	Winter	Annual	Summer	Winter	Annual		
		<i>Lights</i>	<i>KWH/Lt</i>	<i>KWH</i>												
1000L		52	383	20	\$2.94	\$2.94	\$3.41	\$3.41	612	1,223	1,835	709	1,419	2,128	293	16.0%
4000L		14	1,227	17	\$6.13	\$6.13	\$7.62	\$7.62	343	687	1,030	427	853	1,280	250	24.3%
Fuel	MWH	10	27	37	14.580	14.580			147	394	541	0	0	0	-541	
D32 Street Lighting (Purchased Closed)									1,102	2,304	3,405	1,136	2,272	3,408	3	0.1%
Cust Chg	Bills	316	632	948	\$7.50	\$7.50	\$12.00	\$12.00	2,370	4,740	7,110	3,792	7,584	11,376	4,266	60.0%
Energy	MWH	277	528	805	56.100	47.900	83.800	69.300	15,553	25,296	40,849	23,233	36,597	59,831	18,981	46.5%
Fuel	MWH	277	528	805	14.580	14.580			4,042	7,700	11,742	0	0	0	-11,742	
D40 Small Municipal Pumping									21,966	37,736	59,701	27,025	44,181	71,207	11,505	19.3%
Cust Chg	Bills	316	632	948	\$15.40	\$15.40	\$22.00	\$22.00	4,866	9,733	14,599	6,952	13,904	20,856	6,257	42.9%
Energy	MWH	3,772	7,184	10,956	29.400	29.400	49.500	49.500	110,883	211,212	322,095	186,691	355,612	542,303	220,208	68.4%
Demand	KW	21,652	36,698	58,350	\$6.77	\$4.74	\$9.30	\$5.80	146,584	173,947	320,531	201,363	212,846	414,210	93,679	29.2%
Fuel	MWH	3,772	7,184	10,956	14.580	14.580			54,989	104,744	159,733	0	0	0	-159,733	
D41 Municipal Pumping Secondary									317,323	499,636	816,958	395,006	582,362	977,369	160,411	19.6%
Cust Chg	Bills	96	192	288	\$2.20	\$2.20	\$2.51	\$2.51	211	422	634	241	482	723	89	14.1%
HP	HP	632	1,264	1,896	\$0.43	\$0.43	\$0.49	\$0.49	272	544	815	310	619	929	114	14.0%
Fuel	MWH	0	0	0	14.580	14.580			0	0	0	0	0	0	0	
D42 Siren Service									483	966	1,449	551	1,101	1,652	203	14.0%
Total Retail									50,647,815	96,529,391	147,177,206	59,471,828	108,163,945	167,635,773	20,458,567	13.9%