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-___ Exhibit___

Class Cost of Service Analysis and Selected Rate Design

December 7, 2007

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1		I. INTRODUCTION AND QUALIFICATIONS
2		
3	Q.	PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
4	A.	My name is Phillip J. Zins. My business address is 414 Nicollet Mall, 5th
5		Floor, Minneapolis, Minnesota, 55401.
6		
7	Q.	By whom are you employed and what is your position?
8	A.	I am employed by Xcel Energy Services Inc., which is the service company
9		subsidiary of Xcel Energy Inc. My title is Manager, Pricing and Planning.
10		
11	Q.	FOR WHOM ARE YOU TESTIFYING?
12	A.	I am providing testimony on behalf of Northern States Power Company, a
13		Minnesota corporation ("Xcel Energy" or the "Company"), operating in
14		North Dakota.
15		
16	Q.	PLEASE SUMMARIZE YOUR QUALIFICATIONS AND EXPERIENCE.
17	A.	A statement of my qualifications and experience is provided in Schedule 1, o.
18		Exhibit(PJZ-1).
19		
20	Q.	WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?
21	A.	The purpose of my testimony is to present the Company's proposed class
22		cost of service study ("CCOSS"), the Company's rate design objectives, and
23		selected portions of the Company's proposed rate design. Mr. Steve Huse
24		will present the remainder of the Company's proposed rate design changes.
25		
26		With respect to the CCOSS, the Company has provided two versions. The
27		first is that proposed by the Company for use as the guide to designing rates

1		and is described in more detail below. The second version is essentially the
2		same as the first except the "Demand-Billed Commercial and Industrial" class
3		is separated into "small" and "large" sub-groups. Small is defined as all
4		customers with a maximum demand of less than 1.0 MW and large is defined
5		as all customers with maximum demand of 1.0 MW or greater.
6		
7		This second version of the CCOSS is provided in response to the North
8		Dakota Public Service Commission's ("NDPSC" or "Commission") Finding
9		number 172 on page 33 of its December 15, 1992 Order in Case No. PU-400-
10		92-399.
11		
12	Q.	MR. ZINS, PLEASE LIST EACH OF THE COST OF SERVICE AND RATE DESIGN
13		TOPICS YOU WILL ADDRESS IN YOUR TESTIMONY.
14	A.	The topics I will address are as follows:
15		Rate Design Objectives
16		Class Cost of Service Studies
17 18		o Proposed Versiono Compliance Version
19		Selected Rate Design Revisions
20		Voltage Discounts
21		o Fuel Clause/Cost Rider ("FCR")
22		o Miscellaneous Tariff Consolidations or Eliminations
23		o Distributed Generation Interconnection Procedures
24 25		General Rules and Regulations
26	Q.	What Exhibit and Schedules are you sponsoring in this filing?
27	A.	I'm sponsoring Exhibit(PJZ-1), which contains the following Schedules:
28	21.	Schedule 1, Statement of Qualifications and Experience
2 9		Schedule 2, <u>Proposed</u> Class Cost of Service Study
30		Schedule 3, Guide to Embedded Class Cost of Service Study
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1		Sche	edule 4, <u>Compliance</u> Class Cost of Service Study
2		Sche	edule 5, Voltage Discount Cost Analysis
3		Sche	edule 6, One-Part Fuel Clause Rider – Class Ratio Calculation
4		Sche	edule 7, Distributed Generation Interconnection Manual
5		Sche	edule 8, General Rules & Regulations – Cost Analysis
6			
7			II. RATE DESIGN OBJECTIVES
8			
9	Q.	WH	at are the Company's objectives when developing its electric
10		RAT	E STRUCTURE?
11	A.	The	Company's basic electric rate design objectives can be summarized as
12		follo	ows:
13		1.	Yield total revenues equal to the test year ("TY") revenue requirements
14			and thereby, provide a reasonable opportunity for the Company to earn
15			its authorized return on investment.
16		2.	Accurately reflect the resource costs of providing service and where
17			appropriate, reflect the market value of the service provided.
18		3.	Provide sufficient flexibility in pricing and associated service-conditions
19			so the Company's electric service remains competitive in the broader
20			energy market.
21		4.	Achieve the associate objectives of maintaining reasonable rate-
22			continuity, customer understanding, revenue stability and administrative
23			practicality.
24			
25			
26			
27			

1		III. CLASS COST OF SERVICE STUDIES
2		
3		A. Proposed Class Cost Study
4	Q.	PLEASE INTRODUCE THE CLASS COST OF SERVICE STUDY THAT THE COMPANY
5		PROPOSES FOR USE IN THIS RATE CASE?
6	A.	The Company has prepared a CCOSS, which is included as Schedule 2, of
7		Exhibit(PJZ-1). Page 1 of this Schedule is a top-sheet summary of the
8		detailed results of the CCOSS, which follows on the subsequent pages.
9		
10	Q.	Are there differences between this CCOSS and the CCOSS the
11		COMPANY FILED IN ITS LAST GENERAL RATE CASE?
12	A.	The CCOSS filed with this case is essentially the same as that approved by the
13		Commission in the previous case but it incorporates updates and refinements
14		in the following areas:
15		Sub-Group Consolidation
16		Interruptible Capacity-Cost Accounting
17		Energy Cost Allocation
18		Seasonal Split of Generation Capacity Costs
19		• Secondary <i>Distribution</i> Cost Allocation
20		Secondary Service Cost Allocation
21		General and Common Plant Allocation
22		
23		Sub-Group Consolidation
24	Q.	PLEASE EXPLAIN WHY THE COMPANY IS CONSOLIDATING CERTAIN SUB-
25		GROUPS OF CUSTOMER CLASSES.

1	A.	Historically, the Company's CCOSS included a number of "sub-group"
2		categories within the classes of service. The substantial additional complexity
3		and detail associated with these several sub-groups is not useful in developing
4		the basic rate structure so the Company has simplified the CCOSS by
5		consolidating them into their respective primary classes of service.
6		
7		The Company's rate structure has been and continues to be developed

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The Company's rate structure has been, and continues to be developed around four primary cost of service classes. They are Residential, Small Commercial Non-Demand, Commercial & Industrial ("C&I") Demand and Street Lighting. Within the C&I Demand class, where there are servicevoltage options, the distribution-system cost differences are accounted for in the design through rate discounts for customers served at primary or higher These service-voltages options are secondary, primary (which voltages. includes transmission transformed service) and transmission.

15

- 16 MR. ZINS, PLEASE DESCRIBE THE SPECIFIC SUB-GROUP CONSOLIDATIONS Q. 17 THAT HAVE BEEN MADE.
- The Residential class is a consolidation of the former "With" and "Without" 18 A. space-heating sub-groups, as well as the specialized Residential "Load 19 20 Management" rates. The Commercial Non-Demand class remains the same 21 except it includes the non-demand Small Municipal Pumping Service. The C&I Demand class is a consolidation of the "Small" and "Large" as well as 22 the "Firm" and "Interruptible" sub-groups. It also includes the demand-23 billed Municipal Pumping Service. Finally, Street & Area Lighting, which had 24 been made up of three sub-classes (Leased, Purchased and Automatic 25

26 27 Protective Lighting), has been consolidated into one class

1		Interruptible Capacity-Cost-Accounting
2	Q.	What change was made regarding interruptible Capacity-Cost-
3		ACCOUNTING?
4	A.	In this revised CCOSS, the rate discounts associated with interruptible rates
5		are accounted for differently from past practice for the following reasons.
6		
7		The economic essence of a utility's "obligation to serve" is to provide low-
8		cost reliable firm service. The "interruptible service" is in reality, firm service
9		with an after-the-fact contract provision, through which the utility has the
10		option to buy back (from willing customers) all or part of their "regulatory
1		entitlement" to firm service. The resulting capacity purchase transactions
12		occur when, and if, doing so is a cost-effective source of peaking capacity.
L3		This means the "interruptible rate discounts" are really power supply costs,
14		and should be recognized as such in the CCOSS.

- 16 Q. How was this change reflected in the CCOSS?
- 17 A. To accomplish the change in interruptible capacity-cost-accounting, the
 18 Company has added two more lines to the CCOSS format. Line 6, labeled
 19 "Firmed Up Revenue," shows the difference between the firm and
 20 interruptible rates, which identifies the amount of the discounts and the
 21 classes from which they originate. And, Line 7, labeled "Interruptible
 22 Capacity Cost," shows how this interruptible-capacity cost is allocated to the
 23 classes, using the applicable capacity cost allocation factor.

24

- **Energy Cost Allocation**
- 26 Q. Please describe the refinement in the energy cost allocation.

1	A.	The energy cost allocator used in this CCOSS is conceptually the same as has
2		been used in previous cases but has been refined to more precisely reflect
3		class cost responsibilities.

The energy allocator from the Company's previous studies (referred to as "E20") was based on the system on- and off-peak marginal energy cost ratio as well as the class on- and off-peak use percentages. It was calculated using the time-variant data then available, which was simple two-period (on- and off-peak) marginal cost and class use data. Now, however, we have more detailed marginal cost data for the system and corresponding load pattern data by class. We also have better computer capabilities, so it is now practical to develop a similar allocator but one that makes use of data from all 8,760 hours of the year as compared to the previous two-period method. The result is a more precise version of the previous "E20" allocator, which has been labeled "E8760."

Seasonal Split of Generation Capacity Costs

- Q. Mr. Zins, please explain what Generation Capacity Costs are, and describe how they have been seasonalized?
- A. As in previous CCOSSs, the fixed generation costs have been "stratified" into "capacity-related" and "energy-related" portions. The capacity-related portion is then "split" into summer and winter components and allocated to the classes based on their respective contributions to the system's seasonalpeak loads.

In the Company's last CCOSS this seasonal split was based on a ratio of summer-to-winter system loads and was calculated as follows. The twelve

1		monthly system loads were grouped into the four-month summer season and
2		the eight-month winter season. Then the lowest of the twelve monthly peak
3		loads was subtracted from each of the monthly loads. The average of these
4		adjusted monthly loads, for each season, were used to develop the seasonal
5		load ratio, which is used to "split" the capacity-related portion to the seasons.
6		
7		Applying that method in this case, would result in a much heavier summer
8		weighting than occurred in the previous rate case. For this case, that method
9		would yield a summer-to-winter ratio of more than 5.8 to 1.0. That means
10		85% of capacity costs would be assigned to the four-month summer season
11		and just 15% assigned to the eight-month winter season.
12		
13	Q.	PLEASE EXPLAIN HOW THE COMPANY PROPOSES TO ADDRESS SEASONAL COST
14		ALLOCATION IN THIS CASE?
15	A.	The choice of an appropriate method for allocating costs to seasons is
16		perhaps more problematic than other cost allocation questions, which are
17		already difficult. The challenge of this seasonal cost allocation issue is to
18		isolate the portion of monthly system loads that determines the capacity
19		portion of fixed generation costs. Then develop from that data the system's
20		seasonal pattern and finally, calculate the class contributions to the seasonal
21		pattern.
22		
23		Because the method used in the last rate case would assign an inappropriately
24		low 15% of the costs to winter peaks, the Company is proposing a refinement
25		to the method, which mitigates the problem. The Company is proposing to

27

subtract the average annual load (rather than the previously used minimum

monthly load) from each of the system's twelve monthly peaks. Using the

1	average annual load is consistent with the Company's "stratification" process,
2	which is the basis for identifying the "capacity-related" portion of fixed
3	production costs. This refined method yields a ratio of about 2.96 to 1.00,
4	which means approximately 75% of peaking capacity cost is assigned to the
5	summer season instead of 85%.
6	
7	Secondary Distribution Cost Allocation
8 Q.	Mr. Zins, please explain why you made a change to the allocator
9	APPLIED TO SECONDARY DISTRIBUTION COSTS?
10 A.	In the Company's previous cost studies, all distribution costs were allocated
11	based on individual class shares of the total of all class peak loads (as
12	distinguished from system peak loads). This method for allocating
13	distribution costs is very common and is generally considered appropriate for
14	distribution system cost allocation, especially the costs of substations and
15	primary distribution facilities. The substations and primary facilities are at the
16	"up-stream" end of the distribution system where their size (and
17	corresponding cost) is driven by the total load of the classes (i.e. sum of class
18	peaks).
19	
20	However, the appropriateness of this allocator for allocating secondary
21	transformers and secondary distribution lines is not as clear as it is for the
22	substations and primary facilities. Secondary facilities are at the "down-
23	stream" end of the system closer to the customer, where their size and cost
24	become driven by individual customer peak loads (sometimes referred to as

Therefore, the Company is proposing to use a modified allocator for secondary lines and secondary transformers. This modified allocator is a 50%

non-coincident peaks), as well as by the class peak loads.

25

26

weighting of the <u>class</u> peak allocator and a 50% weighting of a <u>customer</u> peak allocator. The <u>customer</u> peak allocation for a class is the sum of the individual <u>customer</u> peak loads (billing demands) from that class, relative to the sum of customer peak loads for all the classes.

5

6

Secondary Service Line Cost Allocation

- 7 Q. DESCRIBE THE PROPOSED CHANGE IN THE SECONDARY SERVICE ALLOCATOR.
- 8 A. This service cost allocation modification is a direct extension of the
- 9 modification of the secondary <u>distribution</u> cost allocation discussed above.
- The traditional <u>class</u> peak allocator has also been used historically to allocate
- the "capacity" portion (not the "customer" portion) of service line costs. A
- 12 service line is the conductor that extends from the secondary transformer (or
- in some cases secondary distribution line) to the customer's meter. For these
- service line facilities, it is clear that the individual customer peak load
- determines its size and associated cost. Therefore, in this cost study, the
- 16 Company is proposing to allocate the capacity cost portion of customer
- service line facilities, based solely on the <u>customer</u> peak allocator described
- 18 above.

19

20

General and Common Plant Allocation

- 21 Q. PLEASE EXPLAIN THE REASON FOR THE CHANGES IN THE ALLOCATION OF
- 22 GENERAL AND COMMON PLANT.
- 23 A. Recent changes in the Company's accounting system require a minor
- 24 modification in the way General and Common Plant is allocated. In the past,
- 25 both General and Common Plant were subdivided into System and Local
- 26 sub-components. Therefore, in an electric rate case, General Plant refers to
- 27 plant investment related only to the electric utility but which may be

associated with more than one of the service functions of production, transmission, and distribution. Common Plant refers to the electric utility's portion of investment that is common to both the electric and gas utilities but likewise is associated with more than one of the functions of service. In the past, the System and Local sub-categories were used to identify whether the asset served the entire electric (and gas) system(s) or just local needs.

The Company's accounting system no longer distinguishes between System and Local, and as a result, the allocation of General and Common plant will change slightly. In the case of Common Plant, there is actually no effect because the previous CCOSS individually allocated System and Local costs with the same allocator that will now be applied to the total cost. That allocator is the "internally generated" "PTD" factor, which is the sum of the already allocated production, transmission & distribution original plant costs. In the case of General Plant, the impact will be small. Previously the Local portion of General Plant, which was nearly 70% of the total cost, was allocated on the same PTD factor. Only the System portion, which was about 30% of the total, was allocated with the system peak factor (D10). Now the total will be allocated on PTD.

- Q. Mr. Zins has the Company provided any other documents, which explains how its CCOSS is developed?
- A. Yes. The Company has provided a document titled "Guide to Embedded Class Cost of Service Study." This document is included as Schedule 3 of Exhibit No.____(PJZ-1). It provides a useful primer on how the CCOSS was conducted, including the processes of cost functionalization, classification and allocation. These basic processes are common to all embedded cost

studies. This Guide also describes how each of the cost allocation factors were developed and identifies which cost items each allocator is applied to.

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1

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- 4 Q. Please summarize the results of the Company's Proposed CCOSS.
- A. Table 1 below contains a summary of the information from the Company's proposed CCOSS contained in Schedule 2, of Exhibit___(PJZ-1). It indicates the cost responsibilities by class and the rate increase that would be necessary to provide an equal rate of return from each class.

		Table 1			
Summary	of Propo	osed Class (Cost of Servi	ce Study	
UNADJUSTED	Total	Residential	Non-Demand	Demand	Street Ltg
Total Operating Revenues	167,714	65,649	11,874	88,367	1,825
Incr Late Pay & Misc Chrg	78	37	9	31	1
Retail Revenue Reqt	167,636	65,611	11,865	88,336	1,824
Present Rates	147,179	57,724	10,436	77,139	1,881
Deficiency	20,457	7,888	1,429	11,197	(56)
Defic / Pres	13.9%	13.7%	13.7%	14.5%	-3.0%
Ratio: (Class % / Total %)	1.00	0.98	0.99	1.04	-0.22
<u>ADJUSTED</u>					
Total Operating Revenues	171,498	66,890	12,153	90,620	1,835
Incr Late Pay & Misc Chrg	78	37	9	31	1
Retail Revenue Reqt	171,420	66,853	12,144	90,589	1,834
Present Rates	150,963	58,141	10,455	80,487	1,881
Deficiency	20,457	8,712	2 1,690	10,102	(46)
Defic / Adj Pres	13.6%	15.0%	16.2%	12.6%	-2.5%
Ratio: (Class % / Total %)	1.00	1.11	1.19	0.93	-0.18

1	Q.	WHY HAVE YOU REFERRED TO "UNADJUSTED" AND "ADJUSTED" COST
2		RESPONSIBILITIES?
3	A.	The unadjusted cost responsibilities are those that have historically been
4		indicated in the results of a CCOSS. The adjusted cost responsibilities are
5		those reflecting the Interruptible Capacity-Cost-Accounting Adjustment I
6		discussed earlier, which treats the interruptible rate discounts as a "capacity-
7		related power supply cost." Doing so results in a "conceptual" increase in the
8		total revenue requirement for the "adjusted" CCOSS. This is the case because
9		these discounts (lost revenues) are a direct substitute for the peaking
10		generation costs that would otherwise have been incurred.
11		
12	Q.	Mr. Zins, has marginal cost information been used in the Company's
13		CCOSS AND/OR IN THE COMPANY'S PROPOSED RATE DESIGN IN THIS CASE.
14	A.	Yes, there are two significant refinements in the Company's CCOSS that
15		reflect the application of marginal costing concepts. The two refinements are
16		the "stratification" of fixed production costs and the application of the
17		Company's "E8760" energy cost allocator.
18		
19	Q.	EXPLAIN WHAT "STRATIFICATION" OF FIXED PRODUCTION COSTS MEANS AND
20		HOW IT REFLECTS MARGINAL-COSTING CONCEPTS IN THE CCOSS.
21	A.	Stratification is a reference to the technique the Company uses to separate
22		("stratify") fixed production costs into "capacity-related" and "energy-related"
23		portions, as I described above. The capacity-related portion includes all the
24		fixed costs of peaking plants but also a "peaking-plant-equivalent" portion of
25		the base-load plant costs. This "peaking-plant-equivalent" portion of base-
26		load plant costs is 15% to 30% of the total fixed costs of base-load plants.

1	After fixed generation costs are stratified, the capacity-related portion is
2	allocated using a traditional system demand ("D10C") factor. But the
3	"energy-related" portion is allocated using the E8760 energy allocator
4	described above. This stratification and allocation process is "marginal-cost-
5	based" because the resulting class-cost-responsibilities and the corresponding
6	rates developed from these costs are comparable to those that would result
7	from a marginal-cost-based study.

- 9 Q. How are marginal-costing concepts reflected in the "E8760" and 10 its application to energy-related costs?
- 11 A. The E8760 energy allocator, which I discussed earlier, is based on the
 12 system's marginal energy cost pattern and each class's time-varying load
 13 pattern. Its application to the "energy-related" fixed productions costs, as
 14 well as the fuel and purchased energy costs, produces class cost
 15 responsibilities (and resulting energy charges) that are comparable to those
 16 that would result from a marginal-cost-based study.

17

Q. How has the Company used marginal costs directly in designing itsrates?

20 The most significant direct application of marginal costs in the design of the proposed rates can be seen in the proposed time of day (TOD) rates 21 22 and the high load factor energy charge credit, both of which Mr. Huso 23 discusses in his testimony. The Company relied on an analysis of the system hourly marginal energy costs in developing both of these rate 24 25 design features. For purposes of background information, it is also useful to understand that the Company has historically always used 26 27 marginal cost analysis as a primary guide in developing interruptible rate

1		programs and for evaluating their cost-effectiveness. The Company has
2		also used marginal cost information in establishing purchase power rates
3		offered to customers who are also small power producers.
4		
5		B. Compliance Class Cost Study
6 7		C.
8	Q.	How is the Compliance CCOSS different from the Company's
9		PROPOSED CCOSS?
10	A.	As I indicated earlier, the Compliance CCOSS is essentially the same as the
11		Company's Proposed CCOSS except the Demand-Billed C & I class, is
12		separated into "small" and "large" sub-groups. Small was defined as
13		customers with a maximum demand of less than 1.0 MW and large was
14		defined as customers with maximum demand of 1.0 MW or greater.
15		
16		The rates available to Demand C & I customers have service provisions
17		designed to reflect differences in costs associated with (1) service voltage; (2)
18		time-of-use; (3) load factor; and (4) firm vs interruptible. The rates do not
19		(and need not) differentiate between customers based on size or type (i.e
20		small vs. large or commercial vs. industrial). Therefore, any sub-group break
21		down, of the Demand C & I class in the CCOSS, such as small vs. large, is
22		neither necessary nor useful.
23		
24	Q.	PLEASE EXPLAIN HOW THE COMPANY CHOSE THE SMALL VS. LARGE SPLIT FOR
25		PURPOSES OF THIS COMPLIANCE CCOSS.
26	A.	One of the problems associated with a sub-group break down based on size,
27		is deciding what is "small" and what is "large." For purposes of this
28		compliance CCOSS, the Company used 1.0 MW as the division point. This

1		number was chosen because it is the size-split used for statistical reporting in
2		the Company's FERC Form No. 1 Annual Report. However, it is important
3		to understand that there is no correct/best "small vs. large" division point.
4		Dividing the C & I Demand class using any size/load level (or by Commercial
5		vs. Industrial) is an arbitrary distinction, which does not reasonably reflect any
6		cost-of-service difference. A customer's maximum load level is not a service
7		characteristic that determines a difference in the cost per unit (kWh or kW),
8		cost-of-service. Therefore, is not a useful distinction for purposes of
9		developing appropriate rate design or for setting inter-class revenue
10		responsibilities.
11		
12	Q.	What are the results of the Compliance CCOSS, you are providing
13		in response to the Commission's Finding number 172 of its December
14		15, 1992 Order in Case No. PU-400-92-399.
15	A.	The results of the Compliance CCOSS are contained in Schedule 4, of
16		Exhibit(PJZ-1). Here again, Page 1 of this Schedule 4 is a top-sheet
17		summary of the detailed results of the Compliance CCOSS, which follows on
18		the subsequent pages. This Compliance CCOSS is essentially the same as that
19		of the Proposed CCOSS except the C & I Demand class is divided into two
20		sub-groups, Small (less than 1.0 MW) and Large (1.0 MW or greater).
21		
22		IV. SELECTED RATE DESIGN REVISIONS
23		
24		A. Voltage Discounts
25		
26	Q.	WHAT REVISIONS ARE BEING PROPOSED TO THE VOLTAGE DISCOUNTS IN THE
27		C&I Demand Tariffs?

A. The proposed revisions to the voltage discounts are a direct result of the test year 2008 CCOSS results. The results of the CCOSS indicate that both the demand and energy charge discounts should be increased to reflect current costs. Table 2 below compares the present and proposed voltage discounts. This Table is a summary of the cost analysis provided in Schedule 5 of Exhibit____(PJZ-1).

		Table 2	
	C&I Deman	d Voltage Discou	nts
		Transmission	
Rate	Primary	Transformed	Transmission
Present	\$0.55	\$1.10	\$1.65
Proposed	\$0.85	\$1.45	\$1.85
	C&I Voltage	Discounts - Ener	gy
		Transmission	
Rate	Primary	Transformed	Transmission
Present	0.05¢	0.06¢	0.09¢
Proposed	0.07¢	0.10¢	0.15¢

B. Fuel Clause/Cost Rider

- 11 Q. Mr. ZINS IS THE COMPANY PROPOSING CHANGES TO ITS FUEL CLAUSE RIDER 12 TARIFF?
- 13 A. Yes the Company is proposing a number of revisions to its Fuel Clause Rider
 14 ("FCR") tariff. To begin, you will notice that the tariff title has changed from
 15 Fuel Clause Rider to Fuel Cost Rider. The name change by itself is not
 16 significant but was made to make it a clearer description of this Rider tariff.
 17 Additional more substantive changes to the FCR mechanism are described in

1		detail below. The proposed changes are driven by the following changes in
2		market circumstances:
3		
4		1. The growing need to more accurately allocate to and recover from
5		customers, their respective shares of the costs of fuel and purchased
6		energy costs, particularly as those costs change over time.
7		
8		2. Growing interest in a one-part (zero-base) fuel cost charge that is
9		"unbundled" from the energy charge and stated as a stand-alone total fuel
10		cost item on customer bills. That is, no fuel costs would be recovered
11		through "base" energy charges.
12		
13		3. The Company's new method for sharing with retail customers the margins
14		resulting from intersystem sales transactions on a current actual basis
15		rather than a fixed test year basis.
16		
17		4. The need to refine and clarify the language of the FCR tariff to make it
18		easier to understand what costs are included and the basic "mechanics" of
19		the tariff.
20		
21	Q.	PLEASE SUMMARIZE HOW XCEL ENERGY'S CURRENT FCR TARIFF WORKS.
22	A.	As a part of general rate case filings, such as this one, the test year costs of
23		fuel and purchased energy are established, and the method for allocating these
24		costs to the classes (i.e. the proposed E8760 energy-cost allocator) is also
25		established.
26		

The energy-cost allocator is applied to the test year costs, which yields class-specific responsibilities for the test year level of fuel and purchased energy costs. These allocated costs are built into the "energy charge" of each tariff, along with other energy-related costs. Also during the general rate case, the system-average cost per kWh for fuel and purchased energy ("base" cost) is determined by dividing total test year fuel and purchased energy costs by test year sales. This "base" cost is specified in the FCR tariff and is the unit-cost number from which future deviations from the test year costs are measured.

Going forward from a test year, actual fuel and purchased energy costs (using a rolling 4 month average) are compared to the test year "base" cost, and the difference becomes the primary element in the Fuel Clause Adjustment ("FCA") charge for the next month. The other element in the FCA is the "true-up" factor, which captures any small over- or under-recovery of costs from previous months.

17 Q. IS THERE A CONCERN ASSOCIATED WITH THIS CURRENT METHOD?

A. For decades this FCR mechanism has worked very well. However, in recent years fuel costs have escalated rapidly, and in the recent past, the time period between rate cases (when the "base" cost is re-set and re-allocated) has become extended. The result has been high monthly FCAs that, because they were not designed to reflect the different class usage-patterns, have given rise to concerns about imprecise recovery of fuel and purchased energy costs between rate cases.

26 Q. COULD YOU ELABORATE ON THIS CONCERN?

1	A.	Let me begin by explaining what is <u>not</u> the problem. The problem is not with
2		the "base" costs of fuel and purchased energy. Historically, this component
3		of the FCR recovered the bulk of total fuel and purchased energy costs
4		because the monthly FCAs were small. Furthermore, this "base" cost is
5		appropriately allocated to classes, based on the different class use patterns as
6		well as the on- and off-peak marginal cost ratio. The classes' cost
7		responsibilities resulting from this approach were then built into the energy
8		charges of each tariff.
Q		

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The concern arises from the recent high monthly FCAs. The FCAs are the difference between the average-system-cost per kWh and the test year "base" cost. The FCAs are applied on a direct kWh-use basis, which means the FCA component of fuel cost recovery does not account for differences in class use-patterns or the system on- and off-peak cost-pattern.

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Historically, this method of recovering the future deviations from test year "base" costs was reasonable and appropriate because the deviations were small, and because frequent rate cases provided timely re-allocation of any sustained cost deviations from the previous test year "base" cost. Furthermore, the simplicity of the method made it easy to understand and efficient to administer.

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However, in recent years market-driven fuel and purchased energy costs have escalated rapidly, and the interval between rate cases has been more extended. The result has been that customer classes that use relatively more energy during the off-peak, pay too much through these FCAs. Conversely, classes with relatively more on-peak use pay too little.

1		
2	Q.	WHAT CHANGES IN THE FCR TARIFF DOES THE COMPANY PROPOSE, TO
3		ADDRESS THIS CONCERN?
4	A.	The Company's proposed changes can be summarized as follows:
5		
6		1. Eliminate the current two-part FCR structure, which includes a test year
7		"base" cost and a monthly FCA, which tracks cost deviations from the
8		"base" cost.
9		
10		2. Replace it with a one-part FCR structure where each month, total fuel and
11		purchased energy costs are determined and divided by sales, to yield a
12		system average Fuel Cost Factor (FCF).
13		•••
14		3. Apply "Service Category Ratios" (specific to the six service categories
15		described below) to this system average FCF, to obtain service-category-
16		specific FCFs.
17		
18		4. Apply the service category specific FCFs to individual customer kWh use
19		to obtain a total Fuel Cost Charge shown on the customers' bill.
20		
21		The "Service Category Ratios" for 3 of the 4 primary classes (i.e. Residential
22		C & I Non-Demand and Outdoor Lighting), are the same as the "Class
23		Ratios," which are developed directly from the Commission-approved energy-
24		cost allocator (e.g. the proposed "E8760 energy allocator").
25		
26		For the 4th primary class (C & I Demand), the E8760-derived "Class Ratio," is
27		further de-averaged into three separate "Service Category Ratios," one each

1		for the "Service Categories" of: (1) Non-TOD; (2) On-Peak TOD; and (3)
2		Off-Peak TOD. This de-averaging of the C & I Demand "Class Ratio" is
3		based on the on- and off-peak use-patterns of the Non-TOD and TOD
4		customer groups and the on- and off-peak energy charge ratio that has been
5		approved by the Commission and built into the TOD tariff.
6		
7	Q.	PLEASE ELABORATE ON HOW THESE ELEMENTS WOULD BE APPLIED TO
8		PRODUCE THE SERVICE-CATEGORY-SPECIFIC FCFs.
9	A.	This mechanism sounds more complex than it really is. The essence is a
10		monthly allocation (de-averaging) of the total average system fuel costs, using
11		service category ratios, which in turn reflect the time-differentiated cost
12		pattern for each service category. The Service Category Ratios are simply a
13		mathematical conversion of the Commission approved energy allocator, into
14		"ratios" that when applied to the monthly average system fuel cost per kWh
15		yields the appropriate service-category-specific cost per kWh.
16		
17		This monthly allocation of total system fuel costs is equivalent to a test year
18		allocation, of "base" fuel costs. The advantage of this mechanism is that
19		going forward from the test year there will no longer be a monthly FCA that
20		assigns (allocates) to classes the old FCA portion of fuel costs (the deviations
21		from the test year base fuel costs) using an "un-weighted" kWh usage basis.
22		
23		The best way to obtain a good working understanding of the mechanics of
24		this method is to review the numerical calculations. I have provided this in
25		Schedule 6 of Exhibit (PJZ-1). It illustrates how the E8760 energy
26		allocator, the C & I Demand class use pattern and the ratio of on- to off-peal
27		TOD energy charges, are used to develop the six "Service Category Ratios."

1		
2	Q.	Does this new one-part FCR mechanism result in a different
3		PRESENTATION OF FUEL COSTS UNDER PROPOSED RATES AS COMPARED TO
4		PRESENT RATES?
5	A.	Yes. For example, in the past the Residential tariff included a customer
6		charge, an energy charge (that included among other costs, the test year
7		"base" fuel cost) and a FCA charge, which included fuel cost deviations from
8		the "base" cost. Under our proposed FCR tariff, the energy charge will not
9		include fuel costs. All fuel and purchased energy costs are presented in one
10		separate component in the tariffs and on customers' bills.
11		
12	Q.	Mr. Zins, what Commission aurthorizations are necessary to
·· 13 ·.		IMPLEMENT THE COMPANY'S PROPOSED FCR MECHANISM?
14	A.	Generally, the Commission would need to approve the method described
15		above and illustrated in Schedule 6 of Exhibit(PJZ-1). The specific
16		approvals would include: (1) Authorization to eliminate the current two-part
17		FCR mechanism (i.e. "base" cost with FCA deviations from the "base"); and
18		(2) Authorization to implement the proposed one-part FCR mechanism,
19		which includes the use of six service category FCFs, which are derived from
20		the average system costs of fuel and purchased energy.
21		
22	Q.	Mr. Zins, is the Company requesting a waiver of any North Dakota
23		RULES IN ORDER TO IMPLEMENT THE PROPOSED CHANGES TO THE FCR?
24	A.	It is not clear that a waiver of North Dakota Rules is necessary. That would
25		depend on how the language in N.D. Admin. Rule § 69-09-02-39 ("ND

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Rule"), governing Automatic Adjustment Clauses is interpreted. However, if

the Commission's interpretation of the ND Rules is such that it believes a

1		waiver is necessary, then in accordance with ND Rule § 69-02-01-11, the
2		Company requests such a waiver.
3		
4		Such a waiver of ND Rule § 69-09-02-39 would not prejudice the public
5		interest. To the contrary, for all the reasons indicated above, the public
6		interest would be advanced as a result of the waiver and approval of the
7		Company's proposed new FCR tariff.
8		
9	Q.	Mr. Zins are there other tariff revisions needed to accommodate
10		THE COMPANY'S PROPOSED NEW FCR MECHANISM?
11	A.	Yes. First, each of the tariffs to which the FCR applies has a provision titled
12		"Fuel Clause," indicating that bills calculated under that tariff are subject to
13		the Fuel Clause Rider. This provision on each tariff has been reworded to
14		reflect the changes in FCR, including the new FCR title, which is Fuel Cost
15		Rider.
16		
17		Second, as I indicated earlier, the "energy charge" components of all the
18		current tariffs include the "base" costs of fuel. And the monthly FCAs are a
19		second separate rate component. However, under the Company's proposed
20		tariffs, this "base" cost and the monthly FCAs, are added together and this
21		total is charged as a separate one-part fuel cost charge ("FCC"). This change
22		in the FCR structure gives rise to the need for minor language changes in the:
23		(1) Residential Controlled Air Conditioning & Water Heating Rider and the;
24		and (2) Purchase and Sale Billing Service & Time of Day Purchase Service.
25		
26	Q.	PLEASE DESCRIBE THE LANGUAGE CHANGE IN THE RESIDENTIAL
27		CONTROLLED AIR CONDITIONING & WATER HEATING RIDER?

1	A.	The Residential Controlled Air Conditioning & Water Heating Rider (Saver's
2		Switch) has a provision that refers to the Saver's Switch discount applying to
3		the "energy charge" of a corresponding service tariff. The current "energy
4		charge" includes the "base" FCR cost. In order for the Saver's Switch
5		discount to function as intended, the language must be modified to make it
6		clear that the discount now applies to energy and fuel cost charges.
7		
8	Q.	What change is needed for the Purchase and Sale and Time of Day
9		Purchase Service rates?
10	A.	Each of these tariffs specifies payments from the Company to customers for
11		energy supplied from customers' small generators. These two tariffs include a
12		"Fuel Clause" provision. The effect of this provision is to add the FCA (FCC
13		under proposed tariffs) to the purchased energy payment that is separately
14		listed. The purchased energy payment is based on the Company's avoided
15		costs (marginal costs) and as such is already fully compensatory.
16		
17		Therefore, to avoid significant over-payment for energy purchased under
18		these contracts, the current FCA or the proposed FCC payment should be
19		eliminated. Leaving this provision in place, especially with the new FCC
20		would result in substantial over-payment for energy purchased under these
21		tariffs. The resulting payment would include the Company's total average fue
22		and purchased energy costs on top of the avoided cost payment. The
23		proposed language changes for these tariffs (as well as all others discussed

Case No. PU-07-____ Zins Direct

Company's Notice of Change in Rates ("Notice Schedule 7").

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below), are shown in redline format in Schedule 7 of Proposed Tariffs in the

Ţ	Q.	YOU INDICATED EARLIER THE NEED TO MAKE SOME LANGUAGE REVISIONS IN
2		THE FCR TARIFF TO MAKE IT EASIER TO UNDERSTAND. DOES THE
3		COMPANY'S PROPOSED FCR TARIFF INCLUDE THESE ADDITIONAL
4		LANUGUAGE CHANGES?
5	A.	Yes, the Notice Schedule 7 contains the Company's proposed new FCR tariff
6		shown in red line format. It includes the changes necessary to implement the
7		proposed new one-part FCR mechanism and the new method for sharing
8		intersystem sales margins. These two significant revisions account for the
9		bulk of the language changes. The Company has also made other less
10		substantive language changes, the purpose of which is to make the inherently
11		complex FCR tariff a little easier to understand.
12		
13	Q.	DOES THE PROPOSED FCR TARIFF INCORPORATE THE INTERSYSTEM SALES
14		MARGIN SHARING MECHANISM PROPOSED BY THE COMPANY IN THIS
15		GENERAL RATE CASE PROCEEDING?
16	A.	Yes. The Direct Testimony of Mr. Allen D. Krug describes the Company's
17		proposal for sharing with retail customers the margins resulting from
18		intersystem sales transactions. A description of, and the rationale for, this
19		proposal are included in Mr. Krug's testimony, and the specific tariff language
20		is shown in red line format in the Notice Schedule 7.
21		
22 23		C. Miscellaneous Tariff Consolidation of Elimination
24	Q.	PLEASE DESCRIBE THE TARIFF CONSOLIDATIONS AND ELIMINATIONS THE

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The separate tariffs that the Company is proposing to consolidate and/or

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A.

COMPANY IS PROPOSING.

eliminate are as follows:

1		1. Residential Service - Underground (Sheet 4) consolidated with Residential
2		Service (Sheet 1)
3		2. Residential Time Of Day Service - Underground (Sheet 5) consolidated
4		with Residential Time Of Day Service (Sheet 2)
5		3. Direct Current Service (Closed) (Sheet 24) consolidated with Small
6		General Service (Sheet 19)
7		4. Down Town Grand Forks Redevelopment Business Incentive Rider
8		eliminated.
9		
10	Q.	PLEASE EXPLAIN THE COMPANY'S REASONS FOR CONSOLDIDATING OR
11		ELIMINATING THESE TARIFFS.
12	A.	The two Residential underground tariffs (Non-TOD and TOD) are identical
13		to the corresponding overhead tariffs except the customer charge is \$2.00 per
14		month more under the underground tariff. By adding another Customer
15		Charge line to the corresponding standard tariffs, the two separate
16		underground versions can be eliminated. The Company proposes this
17		consolidation for efficiency and simplicity.
18		
19		The reason for consolidating the Direct Current tariff with Small General
20		Service is essentially the same. The Direct Current tariff is identical to the
21		Small General Service tariff except it includes a small additional kW demand
22		charge to recover the cost of the special device used to convert standard
23		alternating current service to direct current. Direct current is required to
24		operate older elevator motors in some buildings. This separate direct current
25		charge has been added as a separate line item on the Small General Service

tariff, and the "availability" provision has been modified to include this

1	special service. These changes in the standard Small General Service tariff
2	make it possible to eliminate the separate Direct Current tariff.
3	
4	Finally, the Grand Forks Redevelopment Rider has been eliminated because
5	its authorized application period specified in the tariff expired a number of
6	years ago so it is no longer available for use.
7	
8 9	D. Distributed Generation Interconnection Procedures
0 Q.	Mr. Zins what is the Company's proposal with respect to distributed
1	GENERATION FACILITIES?
2 A.	Because of the growing interest in distributed generation (DG) facilities that
13	are owned and operated by non-utility developers, the Company has
14	developed a document titled "Distributed Generation Interconnection
15	Manual." Its purpose is to provide potential DG developers with technical,
16	contractual and administrative information concerning the interconnection of
17	their DG facilities to the Company's electric distribution system.
18	
19	This Interconnection Manual is provided in this filing as Schedule 7 of
20	Exhibit No(PJZ-1). However, because of its length (sixty five pages),
21	technical nature and because it is of interest to only a very small number of
22	customers, the Company is not proposing to include it in the Rate Book.
23	However, to assure that any potential DG developer is aware of its
24	availability, the Company is proposing to add a new tariff titled
25	Interconnection Procedures and Technical Requirements, Sheet No. 13 of
26	Section 0 to its Pate Rock. This next tariff indicates the availability of the

1		Distributed Generation Interconnection Manual upon request from a
2		customer.
3		
4		E. General Rules and Regulations
5		
6	Q.	Mr. Zins what revisions are being proposed in the General Rules
7		AND REGULATIONS TARIFFS?
8	A.	The Company is proposing a number of revisions to tariff language and/or
9		service charges contained in its General Rules and Regulations, Section 6 of
10		its Rate Book. Below I provide a description of the proposed revisions and
11		provide the reasons for the revisions.
12		
13		Where indicated below, some of the tariff revisions are made to assure
14		consistency with the ND Rules, Chapter 69-09-02, Standards of Service -
15		Electric (the "ND Rules") or the North Dakota Century Code (the "ND
16		Statutes").
17		
18		A redline version of the revised General Rules tariffs is provided in the
19		Notice Schedule 7. Also, where applicable, supporting cost analysis for
20		proposed changes in service charges is provided in Schedule 8 of
21		Exhibit(PJZ-1).
22		
23		Application for Service, Section 1.1
24		The Company is proposing to modify this tariff language to make it consistent
25		with the Company's corresponding gas tariff. The relevant portions, of the
26		proposed language read as follows:

1		"The Company may refuse <u>an applicant</u> or terminate service to <u>a customer</u> who fails or
2		refuses to furnish information requested by the Company for the establishment of a service
3		account. Any person who uses electric service in the absence of application or contract shall
4		be subject to the Company's rates, rules and regulations, and shall be responsible for
5		payment of all service used.
6		
7		When required by governmental authority, a customer desiring new service or expanded
8		service must first make application for and receive written approval from the Company.
9		
10		Subject to its rates, rules, and regulations, the Company will continue to supply electric
11		service until notified by customer to discontinue the service. The Customer will be responsible
12		for payment of all service furnished through the date of the discontinuance."
13		··· :
14		(Note: The underlined text indicates added language. This format of
15		underlining added text is used in all the discussion General Rules and
16		Regulations changes below. A complete view of the entire proposed tariffs, is
17		provided in redline format in the Notice Schedule 7.)
18		
19		Service Processing Charges, Sections 1.2
20	Q.	What are the proposed revisions to the service Processing charge
21		TARIFF?
22	A.	The Company is proposing to increase the Service Processing Charge from
23		\$12.00 to \$15.00. It is also proposing language changes to help clarify the
24		service initiation processes. In this regard, the Company is proposing to add
25		the following language, which will also make this electric tariff consistent with
26		the Company's corresponding gas utility tariff:

1		"If a customer requests reestablishment of service at a location where the same customer
2		discontinued the same service within the preceding 12 month period, an additional
3		reconnection fee will be assessed equal to the sum of the monthly minimum charges applicable
4		during the period service was not taken."
5		
6	Q.	What is the reason for the proposed increase in the Service
7		Processing Charge?
8	A.	The Company is proposing to increase the charge from \$12.00 to \$15.00 to
9		reflect current costs and also to make it equivalent to the corresponding gas
10		tariff. A consistent service processing charge is important for application to
11		the Company's combination (electric & gas) customers. The new monthly
12		minimum monthly charge language for the period of non-use reflects the
13		Company's ongoing customer-related costs incurred during that period.
14		
15	Q.	PLEASE EXPLAIN THE LANGUAGES MADE TO CLARIFY THE SERVICE
16		PROCESSING CHARGE?
17	A.	First, the term "Tenant Change" was eliminated, as it is redundant to the 'New
18		Account" language. See the redline version of the proposed tariff in the Notice
19		Schedule 7 for details.
20		
21		Second, the Company is proposing to include a "Description" section to clarify
22		the 'New <u>Account</u> " item as follows:
23		"The Company will assess a \$15.00 processing charge for the initial establishment of service
24		for each customer."
25		The "Service Reconnection" item has the following added language:
26		"The Company will assess \$15.00 for reconnecting service that has been disconnected for
27		non-payment.".

1	The last language modification is as follows:
2	'If any combination of electric or gas services requested by a customer and furnished by the
3	Company is established or reestablished at the same time and location, only one \$15.00
4	charge will be <u>made.</u> "
5	Again, this change is consistent with the corresponding language in the
6	Company's gas tariff.
7	
8	Optional Metering Service, Section 1.5
9	The Company proposes to modify the language to read:
10	"The customer's utilization equipment has a total rated capacity of <u>250</u> kW or less and an
11	estimated usage of <u>186,000</u> kWh or less per month."
12	This is a change from the existing criteria of 10 kW and 2,500 kWh, which has
13	not been updated since 1984 and is consistent with the types of qualifying
14	equipment in use today. See the redline version of the tariff in the Notice
15	Schedule 7 for details.
16	
17	Deposits and Guarantees, Section 1.6
18	To assure consistency with ND Rules: 69-09-02-01(1)(g), 69-09-02-03(2), 69-
19	09-02-04(1), 69-09-02-04(2), 69-09-02-04(3), and 69-09-02-05.1(1), the
20	Company is proposing to delete the entire existing Deposits and Guarantees
21	section language and replace with the text indicated below. The new language
22	makes clear the requirements and circumstances where customer deposits
23	may be used for settlement of a delinquent bill. The new replacement
24	language is as follows:
25	"A. General: The Company may require a customer or an applicant for service to make a
26	deposit to ensure payment before making a service connection.

4	B. New Service: The Company may require an applicant for service to make a deposit
2	sufficient to cover the estimated charge for furnishing service. If a deposit is required, the
3	Company shall issue a receipt to the depositor showing the amount of the deposit, the date
4	the deposit was made, and the depositor's name.
5	
6	C. Existing Service: The Company may require a deposit from an existing customer before
7	reconnection is made due to disconnection for nonpayment of a bill. The Company may
8	require a deposit if all or part of the previous deposit was used in settlement of the delinquent
9	<u>bill.</u>
10	
11	D. Deposit Amount: If a deposit is required, the amount of the deposit shall cover the
12	estimated charge for furnishing service to the customer for a sixty-day period.
13	
14	E. Payment Guarantee Permissible: In lieu of a cash deposit, a guarantee satisfactory to the
15	Company for a like amount will be acceptable. The Payment Guarantee will terminate
16	when the customer gives notice to discontinue service, there is a change in the location covered
17	by the Payment Guarantee, or thirty days after the Guarantor makes a written request to
18	the Company for termination.
19	
20	However, no Payment Guarantee may be terminated unless the customer has satisfactorily
21	settled any balance owed to the Company. The Company may require a new Payment
22	Guarantee or cash deposit after termination of a Payment Guarantee.
23	
24	F. Interest on Deposits and Refunds: On such customer deposits, the Company will pay
25	interest annually at the rate paid by the Bank of North Dakota on a six-month certificate
26	of deposit with the smallest deposit required. The interest rate will be determined as of the
27	first business day of each year. The Company will pay interest annually by direct payment or

1	as a credit on the customer's bill, at the option of the Company. The payment or deduction
2	for interest must be made during each calendar year, or whenever a deposit is refunded or
3	service discontinued."
4	
5	Service Calls, Section 1.7
6	In the Service Calls section, the Company is proposing the following language
7	to make it gender-neutral.
8	"When a customer calls and reports an electrical problem, the Company will, as soon as
9	possible, send out service personnel to determine the necessary action to correct the problem.
10	
11	If the electrical problem is in the customer's facilities, the service personnel will attempt to
12	restore service by fuse replacement or minor temporary repair.
13	·· Storm conditions require the presence of service personnel in the customer's vicinity and the
14	Company dispatcher notified the service personnel when dispatched to waive charges."
15	
16	Classification of Customer, Section 2.1
17	The Company is proposing a number of modifications in this section, again,
18	to assure compliance with ND Rules 69-09-02-14(1), 69-09-02-14(2), and 69-
19	09-02-14(3) and to clarify the tariff intent.
20	C: 0.1 A. D: 1
21	Section 2.1A – Residential Customer will read:
22	"A residential customer is one using electric service for general household purposes in space
23	occupied as living quarters such as single private residences, single apartments, fraternity
24	houses, sorority houses, and for garages or other auxiliary buildings on the same premises
25	used by the residential customer. <u>General household</u> purposes or uses are domestic lighting,
26	heating, cooking and power service."
27	

Section 2.1B – Farm Customer will read:
"A farm customer taking electric service for non-general household purposes only may be
considered a general service customer for rate application purposes. A farm customer using
electric service for general household and non-general household purposes jointly may
combine such uses through one meter on such rates as are available to general service
customers or farm customers. However, where such use is combined and the non-general
household electric equipment totals less than one kilowatt of connected load, such farm
customer shall be classified residential. Where electric equipment is used jointly for general
household and non-general household purposes (such as a water pump), the major use of
such equipment will determine whether it is classified for general household or non-general
household uses."
Section 2.1C – General Service (Commercial) Customer will read:
"A general service customer is one using electric service for any non-general household
purpose in space occupied and operated for commercial purposes, such as stores, offices,
shops, hotel, garages, wholesale houses, filling stations, barber shops, beauty shops, and
any other space occupied for commercial purposes."
Section 2.1D - "Small Commercial and Industrial Customer" is new and defines
the application of this classification. The proposed language is as follows:
"A Small Commercial and Industrial Customer has an actual demand less than or equa
<u>to 100 kW.</u> "
Section 2.1E - "Large Commercial and Industrial Customer" is new and defines
the application of this classification. The proposed language is as follows:

1	"A Large Commercial and Industrial Customer has an actual demand greater than 100
2	<u>kW.</u> "
3	
4	Availability of Service Under Rate Schedules, Section 2.2
5	The Company is proposing the following addition language to this provision
6	to make it consistent with current Company practice:
7	'In areas served by the Company's alternating current, low voltage network systems, all new
8	customers and any customers desiring to change the voltage or type of service will be supplied
9	only alternating current at available secondary voltage."
10	
11	Choice of Optional Rates, Section 2.3
12	The Company is proposing two minor modifications to correct a spelling
13	error and to and to clarify the intent of the tariff. The first modification is:
14	'When more than one rate schedule is available for the same class of service as indicated by
15	the complete copy of the Company's rates open to public inspection in the Company's office,
16	the Company will assist the customer in the selection of the rate schedule or schedules that, in
17	its judgment, will result in the lowest cost of projected consumption, based on twelve (12)
18	months' service and on the information at hand."
19	
20	The second modification is:
21	"The Company may not be required to change a rate schedule for any customer after a
22	change more often than once in twelve months unless the rates are changed or there is a
23	material change in the customer's load, or another change become necessary as a result of an
24	order issued by the Public Service Commission or a court having jurisdiction."
25	
26	
27	

1		Standby, Supplementary, Emergency, & Incidental Services, Section 2.4
2		The proposed changes are administrative language revisions to make it
3		gender-neutral and to more accurately reflect how this service is provided to
4		customers. The details of the language changes are shown in redlined format
5		in Notice Schedule 7.
6		
7		Metering and Testing, Section 3.1
8		The Company is proposing a number of changes to Section 3.1 Metering and
9		Testing, to clarify the intent and provide consistency with current Company
10		practices. The changes are shown in redline format in Notice Schedule 7 and
11		do not represent any substantive change in the Company's current metering
12		and testing process.
13		
14		Although the Company's meter accuracy testing practices, described in this
15		tariff are technically somewhat different from those described in the ND
16		Rules § 69-09-02-26 (1 through 7), the Company believes its practices result in
17		a level of meter accuracy that is greater than that which would result from the
18		practices prescribed by the ND Rules. Therefore, because the Company's
19		tariff and practice are different from that described by the ND Rules, in
20		requests a waiver of these ND Rules and approval of its proposed tariff
21		language.
22		
23	Q.	FOR WHICH OF THE ND RULES IS THE COMPANY REQUESTING A WAIVER?
24	A.	Pursuant to ND Rule § 69-02-01-11, the Company is requesting a waiver of
25		ND Meter Testing Rules § 69-09-02-26 (1 through 7) to accommodate the
26		Company's metering and testing procedures as they are described in Section

3.1.

-		
2	Q.	Mr. Zins, you indicated that the Company's Metering and Testing
3		PROCESS MORE THAN MEETS THE ACCURACY STANDARDS OF THE ND RULES.
4		COULD YOU BRIEIFLY EXPLAIN WHY THE COMPANY BELIEVES THIS IS THE
5		CASE?
6	A.	Yes. The Company employs system-wide, the meter testing procedure that is
7		described in Section 3.1 of its General Rules and Regulations. It is based on
8		the American National Standards Institute (ANSI) C12.1 standards, which is
9		the Code for Electric Metering. The Company believes it more than fully
10		addresses any meter accuracy concerns of the several jurisdictional regulatory
11		commissions and its customers.
12		
13		The Company, as well as other utilities, uses the statistical sample-testing
14		methods and procedure as outlined by ANSI/ASQC Z1.9 (American Society
15		of Quality Training, Certification, and Networks). Based on those standards,
16		the Company removes, repairs, recalibrates (if possible), and/or retires those
17		meters that do not fall within recognized standards.
18		
19		Prior to installation, new meters are tested, calibrated, and verified by the
20		vendor to be within a Company quality range of +/-0.5%, which is a greater
21		accuracy than the current ND Rules.
22		
23		In-service meters are sampled or periodically tested on a Company-wide
24		schedule. Meters are placed in lots and tested for accuracy. If the test shows
25		an error greater than +/- 0.5%, the meters may be re-programmed, calibrated
26		tested and returned to service. If any meter cannot be repaired and calibrated
27		to +/- 0.5%, it is retired.

1	Q	P_L	EASE EXPLAIN WHY THE PUBLIC INTEREST WILL NOT BE SUBSTANTIALLY
2		PR	EJUDICED IF THE COMMISSION WAIVES THE METER TESTING RULES AND
3		AP	PROVES THE COMPANY'S PROPOSED TARIFF.
4	A.	Th	ne rigorous Metering and Testing format followed by the Company, detailed
5		in	Section 6.3.1. ensures that the following criteria is achieved:
6		a.	Public confidence: The Company follows its established metering and
7			testing standards to reinforce public confidence that the energy charges are
8			accurately measured.
9		b.	Meter errors: When a meter does fail to accurately measure load on a
10			consistent basis, the public has a right to have the meter tested and/or
11			replaced and to have access to the results for possible billing disputes. The
12			metering and testing process used by the Company is objective, similar to
13			processes used by other utilities, and is intended to provide non-biased
14			results that validate the actual meter performance.
15		c.	Quality assurance: The Company follows a routine testing procedure of
16			new and existing meters to ensure the public the meters installed in the
17			field accurately measures their consumption. Routine testing helps the
18			Company manage its expenses by balancing the performance of existing
19			meters to meter replacement mitigates metering errors.
20		d.	Metering management: The routine testing process provides field data
21			indicating the performance of the meters utilized by the Company. This
22			data is shared with the manufacturers to improve production and field
23			maintenance processes. The results also provide real-world applications

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24

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e. Industry Standards: The Company's testing procedure follows the ANSI

when training new meter technicians.

C12.1 standards.

1	<u>Method of Determining Demand for bluing Purposes, Section 3.2</u>
2	The Company is proposing two minor language changes (deletions of
3	redundant words) to help clarify the intent. See the redline version of the
4	language changes in the Notice Schedule 7 for details.
5	
6	Monthly Billing, Section 3.3
7	The Company is proposing three modifications to assure compliance with
8	ND Rules § 69-09-02-10(1), § 69-09-02-10(2), § 69-09-02-10(3), § 69-09-02-
9	11(1), § 69-09-02-11(4), § 69-09-02-11(5), and to more precisely describe
10	Company practice.
11	
12	The first proposed modification addresses the requirement as stated in ND
13	Rules § 69-09-02-10(3) for a meter reading at least once every three months as
14	follows:
15	"The Company may read certain meters less frequently than once each billing month for
16	customers under the Company's self meter reading procedure, or when the Company and
17	customers otherwise mutually agree, except that a Company representative will read the
18	meter at least once each three (3) months."
19	
20	The second proposed modification clarifies current Company practice as
21	follows:
22	'If the billing period is longer or shorter than the normal billing period by more than five
23	days, the bill shall be prorated on a daily basis except for the November, December, and
24	January billing periods whereby the bill shall be prorated on a daily basis whenever the
25	billing period is less than 25 days or more than 40 days."

1	The third proposed modification is to delete the last sentence dealing with
2	billing periods of less than a month, since it is redundant with the preceding
3	language. See the redlined version of the tariff in the Notice Schedule 7 for
4	the details.
5	
6	Late Payment Charge, Section 3.5
7	The Company is proposing two changes to clarify the language and more
8	accurately reflect current practice. The first proposed change is in the
9	assessment of the late payment charge as indicated below. It makes the tariff
10	consistent with the current billing system process.
11	"A late-payment charge of 1.0% of the unpaid balance will be added to the unpaid balance
12	two working days after the date due."
13	
14	The second proposed change clarifies the application of the Late Paymen
15	Charge and deletes the redundant "Assessment Date" table. The new language
16	reads as follows:
17	"Customers under the Budget Helper Plan or a payment arrangement will be assessed lat
18	payment charge on the lesser of the outstanding scheduled payments or the outstandin
19	account balance. All payments received will be credited against the oldest outstanding total
20	account balance before application of the late payment charge. The late payment charge with
21	be waived in instances where a Company error is involved or where complications arise with
22	financial institutions in processing automatic electronic payments."
23	
24	Bill Date Due, Section 3.6
25	The Company is proposing two changes to this Bill Date Due section. The
26	first involves changes in the language that specifies the "Date Due" for hills so

1		as to more accurately reflect actual billing system practices. For the details,
2		see the redlined version of the language in the Notice Schedule 7.
3		
4		The second change is the following additional language that addresses
5		requirements associated with the option for customers to modify their bill due
6		date.
7		'Residential and Small General Service customers have the option of selecting a modified
8		due date for paying their bill. The due date can be extended up to a maximum of 14
9		calendar days from the normal date. Customer selecting a modified due date will remain on
10		that due date for a period not less than 12 months or may change back to the normal due
11		date anytime."
12		
13		Estimated Bills, Section 3.7
14		While it is not proposing any changes to this section, the Company believes a
15		waiver of ND Rule § 69-09-02-11(3) Billing, is necessary for the Company's
16		proposed Section 3.7 concerning Estimated Bills.
17		
18	Q.	PLEASE EXPLAIN WHY THIS WAIVER OF THE ND RULE IS NECESSARY.
19	A.	ND Rule § 69-09-02-11(3) states the estimate "shall be the normal consumption
20		for a corresponding period during the preceding year, or average consumption during the three
21		preceding months."
22		
23		The Company's billing system uses the following comparable methodology
24		for estimating bills:
25		1. The system will look for previous actual reading history that exists within
26		the last 70-day period. If there are actual readings within the last 70-day
27		period, the system will calculate the total consumption in the period and

1		divide by the number of days in the period to produce an average daily
2		usage. This average is then applied to the number of days in the current
3		billing period.
4		2. If there are no actual readings within the last 70 day period, the system will
5		use the daily average from last month's billing period.
6		3. If there are no actual readings for the last 70 days or no usage from the last
7		month, the bill will be manually estimated.
8		
9	Q	PLEASE EXPLAIN WHY THE ND BILLING RULE SHOULD BE WAIVED, AND WHY
10		THE PUBLIC WILL NOT BE SUBSTANTIALLY PREJUDICED THEREBY.
11	A.	As can be seen from the above description of the ND Rule and the
12		Company's process, there isn't a material difference. The estimated bills that
13		result there from will reasonably reflect the customer's historic usage level and
14		the Company process provides a third option for a manual estimated bill
15		calculation where little or no historical billing data is available. Therefore, in
16		accordance with N.D. Rule § 69-02-01-11, the Company requests a waiver. A
17		waiver of ND Rule § 69-09-02-11(3) would not prejudice the public interest.
18		To the contrary, for all the reasons indicated above, the public interest would
19		be advanced as a result of the waiver and approval of the Company's
20		methodology for estimating bills should be granted.
21		
22		Billing Adjustments, Section 3.8
23		The Company is proposing a number of changes to this section including
24		addition of new language, and deletion of existing language and format
25		changes so as to provide clarity and assure compliance with the ND Rules

25

26

 \S 69-09-02-12 and \S 69-09-02-13.

1	The proposed language changes describe how billing adjustments are handled
2	for several different types of metering and billing problems. For a view of the
3	details of the proposed language changes, please see the redlined version of
4	the tariff in Notice Schedule 7.
5	
6	Account History Charge, Section 3.10
7	The Company is proposing to increase this charge from \$0.50 to \$5.00 to
8	reflect the actual costs of this service. The analysis included in Schedule 8 of
9	Exhibit No(PJZ-1) shows the costs of \$5.02 for an example of this type
10	of activity.
11	·
12	Synchronized Bill Service, Section 3.11
13	The Company is proposing this new optional Synchronized Bill Service. It
14	allows customers with multiple accounts to receive one consolidated bill for
15	all of their accounts. See the red lined version of the proposed tariff in
16	Notice Schedule 7 for details.
17	
18	Use of Service, Section 4.1
19	The Company is proposing a number of minor changes to the language of
20	this tariff to assure compliance with the ND Rules § 69-09-02-15 and § 69-09-
21	02-37, to clarify the tariff intent, provide consistency with current Company
22	practice, and to correct spelling.
23	
24	The first three language changes are found in 4.1A. Definitions as follows:
25	4.1A.2. "Master Metering or Redistribution."
26	4.1.A3. "The provision of metered electrical supply through a customer owned meter to a
27	customer's tenants, cooperative or condominium owners"

	4.1A.4. " <u>Resale</u> ."
	The fourth language change is found in the second paragraph of 4.1.B.
	General Rules:
	"Electricity is supplied for use by customer's household or business, and Resale or
	Submetering of such service is not permitted. The Company permits master metering where
	allowed by law, but a landlord may not charge the tenants more than the landlord is charged
	by the Company."
	There are additional language changes in 4.1B. to clarify the tariff intent.
	Please see the red lined version of the proposed tariff in the Notice Schedule
	7 for details.
	··· ··
	Customer's Wiring, Equipment, and Property, Section 4.2
	The Company is proposing minor language changes to make this tariff
	gender-neutral and to clarify its intent. The modified portion of the tariff is
	proposed to read as follows:
	"The Company may, however, at any time require a customer to make such changes in
	customer's electrical or non-electrical property or use thereof as may be necessary to eliminate
	any hazardous condition or any adverse effect which the operation of the customer's propert
	or equipment may have on said customer, other customers of the Company, the public, or the
	Company's employees, equipment or service."
Q.	WHAT REVISIONS ARE BEING PROPOSED TO THE COMPANY'S STANDARD
	Installation tariffs?
A.	The Company is proposing a number of revisions to the language and service
	charges contained in its Standard Installation tariffs. The more important of

1		these revisions are discussed below. For a view of all the changes, see the
2		redline version of this tariff in the Notice Schedule 7.
3		
4		Standard Installation, Section 5.1.A
5		The Company is proposing two revisions to the language of this Section.
6		
7		The first modification is in the last sentence of the second paragraph where it
8		is modified to make it gender neutral as follows:
9		"The facilities installed by the Company shall be the property of the Company, and any
10		payment by customer will not entitle the customer to any ownership interest or rights therein."
11		
12		The second revision involves language changes in the third paragraph to
1:3	·	clarify the tariff intent:
14		"Unless otherwise stipulated in the applicable agreement or service form, <u>and</u> prior to any
15		installation by the Company, the customer is required to provide the necessary right-of-way
16		for the installation of the Company's facilities"
17		
18		Standard Installation (continued), Section 5.1A.1.a.
19		The Company is proposing three modifications to this section to provide
20		consistency with current Company practice and to clarify the tariff language.
21		
22		The first change is to reinforce the fact that the allowable footage for
23		residential extensions involves only the service lateral, not a distribution
24		lateral, nor a combination of a service and distribution lateral.
25		"Company will extend, on private property, to a Company-designated service location, a
26		service lateral a maximum distance of 100 feet."
27		

1	The second change is to eliminate the language relating to the "three-times
2	revenue" rule for determining the construction allowance since this provision
3	does not apply in individual Residential service extensions. The Company
4	proposes to replace this language with the following:
5	"When the necessary extension to a Company designated service location exceed these limits,
6	the customer will be charged for the additional extension according to the Excess Footage
7	Charge set below."
8	The proposed excess footage charge is \$6.85 per-circuit-foot and is based on
9	current costs as shown in Schedule 8 of Exhibit No(PJZ-1).
10	
11	The third change is to clarify the application of the excess footage charge
12	when the customer requests a preferred service location that is beyond the
13	Company-designated service location as follows:
14	"Customers <u>requesting a preferred service location</u> will also be charged <u>the</u> Excess Footage
15	Charge for each circuit foot Company extends the installation beyond Company's designated
16	service location."
17	
18	Standard Installation (continued), Section 5.1.A.1.b
19	The Company is proposing the following two modifications to the "Other than
20	Residential" section of the service extension rules. See the redlined version of
21	the proposed tariff in the Notice Schedule 7 for more details.
22	
23	The first modification is to the language relating to the "three-times revenue"
24	rule for determining the construction allowance for distribution lateral
25	extensions. The relevant portion of the tariff has been modified to read:
26	"must not exceed a sum equal to three and one half (3.5) times the customer's anticipated
27	annual revenues, excluding the portion of the revenue representing fuel-cost recovery."

1	The second change is to clarify the situation where the extension costs
2	exceeds the 3.5 times revenue rule. The relevant portion of the tariff has been
3	modified to read:

"When the cost of the necessary extension exceeds this limit, the customer will be charged the 4 difference."

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WHAT IS THE RATIONALE FOR THIS REVISION TO THE THREE-TIMES REVENUE Q. RULE?

Historically, applying the "three-times revenue" rule to total revenues (including fuel-cost recovery revenues) was reasonable because the fuel-cost recovery portion of total cost-of-service was relatively small and stable over In recent years, however, market-driven fuel and purchased energy costs have escalated rapidly and may continue to do so. Fuel cost recovery revenues were removed to prevent over charging, but that, in turn, requires an increase in the multiplier to 3.5 to reflect its application to a smaller revenue base. The purpose of this modification is to adjust the "three-times revenue" rule so that future construction-allowances for distribution extensions do not become out of proportion to what they have been historically. Without this modification, customers who should provide a contribution in aid of construction ("CIAC") would not be required to do so. As a consequence, the distribution rate base investment would grow faster than it should because unusually costly extensions where a CIAC would have been imposed would be absorbed into rate base, and all customers would pay for these excess extension costs.

25

26

1	Standard Installation (continued), Section 5.1A.2
2	The Company is proposing changes to its Winter Construction tariff to more
3	accurately reflect current practice and the associated costs and to provide
4	consistency with the Company's corresponding gas utility tariff. The
5	proposed changes provide clarification to winter construction projects, both
6	electric only and where it is a combination electric and gas winter construction
7	project. The proposed language is as follows:
8	
9	"When underground facilities are installed between October 1 and April 15, inclusive,
10	because of failure of customer to meet all requirements of the Company by September 30, or
11	because the customer's property, or the streets leading thereto, are not ready to receive the
12	underground facilities by such date, such work will be subject to a Winter Construction
13	Charge when winter conditions of ground frost and/or snow exist for the entire length of
14	underground service. Winter construction will not be undertaken by the Company where
15	prohibited by law or where it is not practical to install underground facilities during the
16	winter season. The charges immediately below apply to frost depths of 18" or less. A
17	greater frost depths, the Company will individually determine the job cost. The Company
18	reserves the right to charge for any unusual winter construction expenses. If the Company's
19	gas and electric facilities are installed in a joint trench for any portion, the Company wil
20	waive the lower of the gas and electric winter construction charges on the joint portion.
21	Winter Construction Charge
22	Thawing \$400.00 per frost burner
23	Service, primary or secondary
24	distribution extension \$3.00 per trench foot"
25	The cost support for these charges is included in Schedule 8 of Exhibit
26	No(PJZ-1)
27	

1	Standard Installation (continued), Section 5.1A.3.
2	The Company is proposing to change the section title to "Unusual Installation
3	Costs" to clarify that this section addresses non-standard installation costs. In
4	addition, the format has been changed to make it easier to understand. See
5	the redlined version in Notice Schedule 7 for details.
6	
7	Standard Installation (continued), Section 5.1A.4.
8	The Company is proposing to eliminate this section as it is redundant to
9	Section 5.1A.3 above.
10	
11	Standard Installation (continued), Section 5.1.B
12	The Company is proposing minor language modifications including moving
13	the first paragraph from the previous page and combining it with the rest of
14	the section, modifying the first paragraph text to make it gender neutral
15	modifying condition #3 to make it gender neutral, and capitalization changes
16	in the last paragraph. These changes are shown in the redline version of the
17	tariff in the Notice Schedule 7.
18	
19	Standard Installation (continued), Section 5.2
20	The Company is proposing five changes to clarify the tariff intent and provide
21	consistency with current Company practice and with the above-described
22	changes in the three-times revenue rule.
23	
24	The first change to the relevant portion of the first paragraph in Section 5.2 is
25	as follows:
26	"the Company will extend, enlarge, or change its distribution or other facilities for
27	supplying electric service when the product of three and one half (3.5) times the anticipated

1	annual revenue, excluding the portion of the revenue representing fuel-cost recovery from the
2	sale of additional service"
3	
4	The second change is in Section 5.2A. as follows:
5	'Pays to the Company the portion of the capital expenditure not justified by the product of
6	three and one half (3.5) times the anticipated annual revenue, excluding the portion of
7	revenue representing fuel-cost recovery (with or without provision for refund of all or part of
8	such payment)"
9	
10	The third change is in the last paragraph and clarifies a non-refundable
11	customer charge. It reads as follows:
12	"Non-refundable payments will be in the amount determined by subtracting from the total
13	estimated installation <u>cost</u> the <u>product of three and one half (3.5) times the</u> anticipated
14	annual revenue, excluding the portion of the revenue representing fuel-cost recovery as set forth
15	in Section 5.1, STANDARD INSTALLATION.".
16	
17	The fourth change is also found in the last paragraph and includes language to
18	clarify the application of refundable payments and how the payments will be
19	refunded. It reads as follows:
20	"Additional refundable payments may be required where service is extended and where
21	customer occupancy is expected to be delayed. In such cases, for each additional customer
22	served directly from the original contracted extension within five (5) years from the date of its
23	completion, the person who made the advance payment will receive <u>proportionate</u> refunds <u>as</u>
24	additional customers take occupancy. The total of such refunds will in no event exceed the
25	total <u>refundable</u> advance payment. Refunds will be made only for line extensions on private
26	property to a single customer served directly from the original contracted facilities."

1	
2	The fifth proposed change is to reformat Section 5.2 for clarification. See the
3	redlined version of the proposed tariff in the Notice Schedule 7 for details.
4	
5	Special Facilities, Section 5.3
6	The Company is proposing two minor changes to this section. The first
7	modification is to make the last sentence of the second paragraph gender
8	neutral as follows:
9	"Any payment by a customer will not entitle the customer to any ownership interests or
10	rights therein."
11	The second change is to reformat the last paragraph for clarification. See the
12	redlined version of the proposed tariff the Notice Schedule 7 for details.
13	٠.
14	Replacement of Overhead with Underground and Service Connections
15	Sections 5.5 and 5.6 Respectively
16	The changes in this tariff are minor text changes to make the language gender-
17	neutral. The changes in redline format are shown in the Notice Schedule 7.
18	
19	Temporary Service, Section 5.7
20	The Company proposes a minor text addition to address advance payments
21	related to customer-requested temporary service. The proposed additional
22	language reads:
23	"The Company may require the customer to make an advance payment sufficient to cover th
24	estimated cost of service as described above."
25	
26	
27	

1	Refusal or Discontinuance of Service, Section 6.1
2	The Company is proposing significant changes to the language of this section
3	to comply with the ND Rules § 69-09-02-05.1(1), § 69-09-02-05.1(7), § 69-09-
4	02-05.1(8), § 69-09-02-05.1(10), and ND Statues 49-04-07. The Company is
5	also proposing language changes to make it gender-neutral as well as changes
6	in format make the tariff easier to read.
7	
8	The more substantive changes and additions in language are designed to
9	clearly specify the conditions when the Company may disconnect service,
10	when it may not disconnect service, the process to follow when a landlord or
11	property management firm is delinquent in paying its utility bill, when the
12	Company may refuse to connect service, and the actions the Company may
13	initiate under emergency and hazardous conditions. Because the changes are
14	numerous and voluminous, they are not reproduced here. They can be
15	reviewed in redline format in the Notice Schedule 7.
16	
17	Curtailment or Interruption of Supply, Section 6.2
18	The changes in this tariff are minor text changes to make the language gender-
19	neutral. See the redline text in the Notice Schedule 7.
20	
21	Residential Billing of Vacant Rental Property Agreement, Sheet 39
22	The Company is proposing to move this to Section 7, sheet 12.
23	
24	Residential Properties Included in the Residential Billing of Vacant
25	Rental Property Agreement, Sheet 40
26	The Company is proposing to move this to Section 7, sheet 13.
27	

1		North Dakota Residential Tenant Authorization Form for Tenant or
2		Landlord to Start Service, Sheet 41
3		The Company is proposing to move this to Section 7, sheet 14.
4		
5		North Dakota Residential Tenant Authorization Form for Tenant or
6		Landlord to Stop Service, Sheet 42
7		The Company is proposing to move this to Section 7, sheet 15.
8		
9	Q.	ARE THERE ANY OTHER CHANGES YOU WISH TO ADDRESS?
10	A.	Yes. The Company made a change to Section No. 8 Customer Service Forms
11		that eliminates the "Important Notice Bill" form. This form, which is a
12		standard customer bill form with a notation in the customer message section
13		reminding the customer that the account has a past due amount, is redundant
14		to the Reminder Notice Bill form also included in this section. Elimination of
15		this form does not reflect a change in our collection process, nor does it
16		impact the amount of time a customer is allowed to pay their bill before
17		service disconnection.
18		
19		V. CONCLUSION
20		
21	Q.	Mr. Zins, does this conclude your testimony?
22	A	Yes it does

1	STATE OF NORTH DAKOTA
2	BEFORE THE
3	PUBLIC SERVICE COMMISSION
4	
5	
6	In the Matter of the Application of Northern)
7	States Power Company, a Minnesota Corporation)
8	For Authority to Increase Rates for Electric Service) Case No. PU-07
9	in North Dakota)
10	
11	
12	
13	AFFIDAVIT OF
14	Phillip J. Zins
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	Phillip J. Zins
26	
27	
28	
29	Subscribed and sworn to before me, this 4 day of December, 2007.
30	Subscribed and sworn to before me, this 1 day of December, 2007.
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33	N. Dilli
34 ~	Notary Publić
35 26	
36	AAAAAAAAA
	NANCY A. HALEY NOTARY PUBLIC • MINNESOTA MY COMMISSION EXPIRES JANUARY 31, 2010