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BEFORE THE KANSAS CORPORATION COMMISSION
OF THE STATE OF KANSAS

by
State Corporation Commission
of Kansas

In the Matter of the Application of Mid-Kansas)
Electric Company, LLC for Approval to Make)
Certain Changes to its Charges for Electric) Docket No. 13-MKEE- 699 -MIS
Services in the Geographic Service Territory)
Served by Southern Pioneer Electric Company.)

PREFILED DIRECT TESTIMONY OF

**NICHOLAS M. NELSON
SENIOR RATE AND FINANCIAL ANALYST
POWER SYSTEM ENGINEERING, INC.**

ON BEHALF OF

MID-KANSAS ELECTRIC COMPANY, LLC

May 17, 2013

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EXHIBITS

Exhibit NMN-1 - Calculation of Base Revenue and Allocation of Rate Adjustment	
Exhibit NMN-2 - Comparison of Revenue and Rate Schedules	
Exhibit NMN-3 - Excerpt from Commission's Order in Docket 12-MKEE-380-RTS	
Exhibit NMN-4 - Excerpt from Richard Macke's testimony Docket 12-MKEE-380-RTS	

PART I – QUALIFICATIONS AND PURPOSE OF TESTIMONY

Q. Please state your name and business address.

A. My name is Nicholas M. Nelson. My business address is 10710 Town Square Drive NE, Suite 201, Minneapolis, Minnesota 55449.

Q. What is your profession?

A. I am a Senior Rate and Financial Analyst at Power System Engineering, Inc. (“PSE”), which is headquartered at 1532 W. Broadway, Madison, Wisconsin 53713.

Q. What is the purpose of your testimony in this proceeding?

A. The purpose of my testimony is to support the request of Mid-Kansas Electric Company, LLC (“Mid-Kansas”) for an increase in the Southern Pioneer Electric Company (“Southern Pioneer” or “Company”) division rates. Specifically, my testimony provides the rate design needed to achieve the increase being requested as part of this abbreviated rate case application.

Q. Please describe the business activities of PSE.

A. Power System Engineering, Inc. is a consulting firm serving electric utilities across the country, but primarily in the Midwest. Our headquarters is in Madison, Wisconsin with regional offices in Cedar Rapids, Iowa; Indianapolis, Indiana; Minneapolis, Minnesota; Marietta, Ohio; and Sioux Falls, South Dakota. PSE is involved in: power supply, transmission and distribution system planning; distribution, substation, and transmission design; construction contracting and supervision; retail and wholesale rate and cost of service (“COS”) studies; economic feasibility studies; merger and acquisition feasibility analysis; load forecasting; financial and operating consultation; telecommunication and network design, mapping/GIS; and system automation including Supervisory Control and Data

1 Acquisition (“SCADA”), Demand Side Management (“DSM”), metering, and outage
2 management systems.

3 **Q. Please describe your responsibilities with PSE.**

4 A. I have been the lead analyst with projects which provide economic, financial, and rate-related
5 consulting services to electric cooperative and municipal utilities. These services include:

- 6
- Cost of Service Studies.
 - Demand Response.
 - Distributed Generation Rates.
 - Energy Efficiency.
 - Financial Forecasting.
 - Individual Customer Profitability.
 - Large Power Contract Rates/Proposals.
 - Line Extension Policies/Charges.
 - Load Management Analysis.
 - Market and Load Research.
 - Other Economic Studies.
 - Power Cost Adjustments.
 - Rate Consolidation.
 - Retail Rate Design and Analysis.
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10 **Q. What is your educational background?**

11 A. I graduated from the College of St. Scholastica in Duluth, Minnesota in 2003 with a Bachelor
12 of Arts degree in Mathematics and Applied Economics.

13 **Q. What is your professional background?**

14 A. Since 2004, I have been employed by PSE in its Minneapolis, Minnesota office in the Rates
15 and Financial Planning department. From March 2004 to January 2011, I held the position of
16 Rate and Financial Analyst. In January 2011, my title changed to Senior Rate and Financial
17 Analyst. My responsibilities have included performing complex financial analyses, such as
18 rate studies consisting of determination of revenue requirements, bundled and unbundled
19 COS analysis, and rate design. Other responsibilities included performing analysis of special
20 rates and programs, key account analyses, financial forecasting, policy development and
21 evaluation, and other financial analyses for various PSE clients.

22 **Q. Have you previously presented testimony before the Kansas Corporation Commission**
23 **(“KCC” or “Commission”)?**

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1 A. No, I have not. However, I have been involved in the PSE internal work on behalf of:
2 Pioneer Electric Cooperative, Inc. in Docket No. 09-PNRE-563-RTS; Wheatland Electric
3 Cooperative, Inc. in Docket No. 09-WHLE-681-RTS; and Mid-Kansas Electric Company,
4 LLC in Docket Nos. 09-MKEE-969-RTS (“969 Docket”), 11-MKEE-439-RTS (“439
5 Docket”), 12-MKEE-491-RTS (“491 Docket”), and 12-MKEE-380-RTS (“380 Docket”).

6 **Q. Do you have any other relevant experience?**

7 A. Yes. I have been involved in over 50 rate and COS studies and numerous other rate and
8 financial related projects. Many times these projects were conducted for self-regulated
9 electric utilities. Further, and as noted above, I have participated with the development of
10 similar such analyses that were filed in regulated rate cases on behalf of cooperatives in
11 Kansas and Minnesota.

12 I have also made presentations to utilities regarding COS, rate change communications,
13 and rate design strategic planning.

14
15 **PART II - TESTIMONY**

16 **Q. What is the overall increase being requested by Mid-Kansas in this application?**

17 A. The overall revenue increase request is \$780,188 which is discussed in the direct testimony
18 of Mid-Kansas witness Chantry Scott.

19 **Q. How have you designed rates to achieve this increase?**

20 A. First, as I will discuss in greater detail later in my testimony, I allocated the increase to the
21 Southern Pioneer rate schedules. The results of the allocation can be seen in the attached
22 **Exhibit NMN-1**. Second, I developed the rate design for each rate schedule to collect its
23 allocated portion of the increase, as set forth in the attached **Exhibit NMN-2**.

1 **Q. How did you allocate the increase to the Southern Pioneer rate schedules?**

2 A. I allocated the increase in proportion to each rate schedule's Base Revenue. The term Base
3 Revenue means gross revenue less power supply costs. This is sometimes also referred to as
4 gross margin or distribution revenue since it represents the revenue available to pay the cost
5 of service for the local distribution utility; in this case, Southern Pioneer.

6 **Q. Why is it appropriate to allocate based on Base Revenue, as opposed to Gross Revenue,
7 for example?**

8 A. Gross Revenue includes revenue related to power costs. In this instance, the increased need
9 is attributed to additional debt to fund capital expenditures of Southern Pioneer and any
10 changes in power costs for Southern Pioneer are already recovered through the energy cost
11 adjustment ("ECA") mechanism. Because Base Revenue, by definition, excludes power
12 costs, it is the most appropriate way to allocate the increase.

13 **Q. How did you determine the gross revenue for each rate schedule?**

14 A. The gross revenue was taken from the Commission's Order in Docket 12-MKKEE-380-RTS
15 ("380 Docket"). The gross revenue by rate schedule was set forth in Attachment B, Exhibit
16 1, Page 1 of 11, and is attached for convenience in its entirety as my **Exhibit NMN-3**.

17 **Q. How did you determine the power supply costs for each rate schedule?**

18 A. The power supply costs were determined from the class COS unit costs presented in Richard
19 Macke's rebuttal testimony in the 380 Docket, Exhibit RJM-14, page 2 of 29, attached as my
20 **Exhibit NMN-4**. The power costs for Real-Time Pricing (RTP) are set to equal the Gross
21 Revenue since this rate essentially just passes through power costs. The power costs for the
22 Transmission Level Service (STR) rate schedule were determined by subtracting the directly
23 calculated Base Revenue from the Gross Revenue. In this case, the Base Revenue can be
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25

1 directly calculated by multiplying kWh sales from Attachment B, Exhibit 2, page 2 of 11 as
 2 contained in the Commission's 380 Order by the Delivery Charge per kWh from Attachment
 3 B, Exhibit 2, page 6 of 11 as contained in the 380 Order. See **Exhibit NMN-3**.

4 **Q. Please provide the rate increase allocated to each rate schedule by Base Revenue.**

5 A. The increased dollars by rate schedule are shown in the following Table 1 and in more detail
 6 in **Exhibit NMN-1**, page 1.

7 **Table 1**
 8 **Allocation of Rate Adjustment by Rate Schedule**

(a) Line No.	(b) Rate Schedule	(c) Base Revenue (\$)	(d) Allocation Percent (%)	(e) Rate Adjustment (\$)
1	Residential Service (12-RS)			
2	General Use	7,265,453	39.9%	310,996
3	Space Heating	419,192	2.3%	17,943
4	General Service Small (12-GSS)	919,209	5.0%	39,347
5	General Service Large (12-GSL)	5,875,718	32.2%	251,509
6	General Service Space Heating	188,155	1.0%	8,054
7	Industrial Service (12-IS)	704,535	3.9%	30,157
8	Industrial Service-Primary Discount	-	0.0%	-
9	Real-Time Pricing (RTP)	-	0.0%	-
10	Transmission Level Service (12-STR)	705,687	3.9%	30,207
11	Municipal Power Service (12-M-I)	92,121	0.5%	3,943
12	Water Pumping Service (12-WP)	243,349	1.3%	10,417
13	Irrigation Service (12-IP-I)	89,088	0.5%	3,813
14	Temporary Service (12-CS)	4,931	0.0%	211
15	Lighting	659,900	3.6%	28,247
16	Total Retail Rates	17,167,339	94.2%	734,844
17				
18	Third Party LAC (12-LAC)	1,059,317	5.8%	45,344
19				
20	Total All Rates	18,226,656	100.0%	780,188

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1 **Q. How do you propose to adjust each rate schedule to achieve the increases determined in**
2 **the above table?**

3 A. With the exception of the Lighting Schedules and the Local Access Charge (“LAC”)
4 Schedule, I propose to recover the increase for each class on a per kWh basis. The increases
5 determined for each schedule are divided by 2012 energy sales (kWh) for each rate schedule.
6 The resulting per kWh increase is then added to the present energy charge(s) for each rate
7 schedule.

8 **Q. How do you propose to adjust the lighting rates?**

9 A. Lighting rate schedules currently do not use an energy charge but rather a fixed monthly
10 charge depending on the type and size of light. Therefore, I propose applying a percentage
11 increase (e.g., 2.78 percent) to each of the various monthly charges. Each lighting rate will
12 therefore bear an equivalent percentage share of the increase allocated to the schedule.

13 **Q. How do you propose to adjust the LAC Schedule?**

14 A. I propose to recover the increase for LAC on a per kW basis since this is the billing basis for
15 this rate. The increase determined for LAC is divided by the 2012 billing demand (kW) and
16 then added to the current charge per kW.

17 **Q. Have you included a comparison of present and proposed rates?**

18 A. Yes. A comparison of the rate schedules can be found in **Exhibit NMN-2**, pages 3 to 9. A
19 summary of the rate adjustment proposed for each rate schedule is summarized in the
20 following Table 2.

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22
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Table 2
Calculation of Rate Adjustment by Rate Schedule Component

(a)	(b)	(c)	(d)	(e)
Line No.	Rate Schedule	Rate Adjustment	2012 Billing Units	Rate Adjustment
1	Residential Service (12-RS)			
2	General Use	\$ 310,996	121,552,148 kWh	\$0.00256/kWh
3	Space Heating	\$ 17,943	7,523,995 kWh	\$0.00238/kWh
4	General Service Small (12-GSS)	\$ 39,347	14,280,091 kWh	\$0.00276/kWh
5	General Service Large (12-GSL)	\$ 251,509	122,379,831 kWh	\$0.00206/kWh
6	General Service Space Heating	\$ 8,054	5,325,451 kWh	\$0.00151/kWh
7	Industrial Service (12-IS)	\$ 30,157	24,263,134 kWh	\$0.00124/kWh
8	Industrial Service-Primary Discount	\$ -	-	
9	Real -Time Pricing (RTP)	\$ -	485,621 kWh	\$0.00000/kWh
10	Transmission Level Service (12-STR)	\$ 30,207	389,636,445 kWh	\$0.00008/kWh
11	Municipal Power Service (12-M-I)	\$ 3,943	1,586,691 kWh	\$0.00249/kWh
12	Water Pumping Service (12-WP)	\$ 10,417	5,878,435 kWh	\$0.00177/kWh
13	Irrigation Service (12-IP-I)	\$ 3,813	2,199,529 kWh	\$0.00173/kWh
14	Temporary Service (12-CS)	\$ 211	46,157 kWh	\$0.00457/kWh
15	Lighting	\$ 28,247	4,983 lights	\$0.47/light/mo
16	Total Retail Rates	\$ 734,844		
17				
18	Third Party LAC (12-LAC)	\$ 45,344	374,664 kW	\$0.12/kW
19				
20	Total All Rates	\$ 780,188		

Q. Please provide the rate increase by dollar amount and percentage for each rate schedule.

A. The increased dollars and percentage by rate schedule are shown in the following Table 3 and in more detail in Exhibit NMN-2, page 2.

Table 3
Comparison of Rate Schedule Revenue

(a)	(b)	(c)	(d)	(e)	(f)
Line		Revenue	Revenue	Increase (Decrease)	
No.	Rate Schedule	2012	Proposed	Amount	Percent
		(\$)	Rates	(\$)	(%)
1	Residential Service (12-RS)				
2	General Use	13,909,643	14,220,639	310,996	2.2%
3	Space Heating	782,624	800,567	17,943	2.3%
4	General Service Small (12-GSS)	1,638,274	1,677,621	39,347	2.4%
5	General Service Large (12-GSL)	12,968,167	13,219,675	251,509	1.9%
6	General Service Space Heating	483,467	491,521	8,054	1.7%
7	Industrial Service (12-IS)	2,122,847	2,153,004	30,157	1.4%
8	Industrial Service-Primary Discount	-	-	-	0.0%
9	Real -Time Pricing (RTP)	27,305	27,305	-	0.0%
10	Transmission Level Service (12-STR)	21,624,165	21,654,372	30,207	0.1%
11	Municipal Power Service (12-M-I)	168,833	172,776	3,943	2.3%
12	Water Pumping Service (12-WP)	593,194	603,611	10,417	1.8%
13	Irrigation Service (12-IP-I)	239,865	243,678	3,813	1.6%
14	Temporary Service (12-CS)	9,212	9,423	211	2.3%
15	Lighting	1,015,403	1,043,650	28,247	2.8%
16	Total Retail Rates	55,582,998	56,317,843	734,844	1.3%
17					
18	Third Party LAC (12-LAC)	813,631	858,975	45,344	5.6%
19					
20	Total All Rates	56,396,630	57,176,818	780,188	1.4%

Q. Does this conclude your prefiled Direct Testimony?

A. Yes, it does.

**Proportional Allocation of Abbreviated Filing Rate Adjustment to Rate Classes
Based on Base Revenue by Rate Schedule**

(a) Line No.	(b) Rate Schedule	(c) Per Docket 380 Cost of Service and Settlement				(g) Allocation of Rate Adjustment		
		(c) Gross Revenue Settlement Rates (\$)	(d) Allocated Power Supply Cost of Service (\$)	(e) Base Revenue (\$)	(f) Percent (%)	(g) Rate Adjustment (\$)	(h) Base Revenue (\$)	(i) Percent (%)
1	Residential Service (12-RS)							
2	General Use	15,466,839	8,201,386	7,265,453	39.9%	310,996	7,576,449	39.9%
3	Space Heating	962,557	543,365	419,192	2.3%	17,943	437,135	2.3%
4	General Service Small (12-GSS)	1,954,373	1,035,164	919,209	5.0%	39,347	958,556	5.0%
5	General Service Large (12-GSL)	14,962,201	9,086,483	5,875,718	32.2%	251,509	6,127,227	32.2%
6	General Service Space Heating	546,294	358,139	188,155	1.0%	8,054	196,209	1.0%
7	Industrial Service (12-IS)	1,984,784	1,280,249	704,535	3.9%	30,157	734,693	3.9%
8	Industrial Service-Primary Discount				0.0%	-	-	0.0%
9	Real-Time Pricing (RTP)	82,550	82,550	-	0.0%	-	-	0.0%
10	Transmission Level Service (12-STR)	24,515,362	23,809,675	705,687	3.9%	30,207	735,894	3.9%
11	Municipal Power Service (12-M-I)	211,942	119,821	92,121	0.5%	3,943	96,064	0.5%
12	Water Pumping Service (12-WP)	611,125	367,776	243,349	1.3%	10,417	253,766	1.3%
13	Irrigation Service (12-IP-I)	200,995	111,907	89,088	0.5%	3,813	92,901	0.5%
14	Temporary Service (12-CS)	8,700	3,769	4,931	0.0%	211	5,142	0.0%
15	Lighting	947,775	287,875	659,900	3.6%	28,247	688,147	3.6%
16	Total Retail Rates	62,455,499	45,288,159	17,167,339	94.2%	734,844	17,902,184	94.2%
17								
18	Third Party LAC (12-LAC)	1,059,317	-	1,059,317	5.8%	45,344	1,104,661	5.8%
19								
20	Total All Rates	63,514,816	45,288,159	18,226,656	100.0%	780,188	19,006,844	100.0%

Calculation of Rate Adjustment by Rate Schedule Component

(a)	(b)	(c)	(d)	(e)
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16	Total Retail Rates	\$ 734,844		
17				
18	Third Party LAC (12-LAC)	\$ 45,344	374,664 kW	\$0.12/kW
19				
20	Total All Rates	\$ 780,188		

Comparison of Rate Schedule Revenue

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Line No.	Rate Schedule	Revenue	Revenue	Increase (Decrease)	
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		(\$)	(\$)	(\$)	(%)
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15	Lighting	1,015,403	1,043,650	28,247	2.8%
16	Total Retail Rates	55,582,998	56,317,843	734,844	1.3%
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18	Third Party LAC (12-LAC)	813,631	858,975	45,344	5.6%
19					
20	Total All Rates	56,396,630	57,176,818	780,188	1.4%

Comparison of Rate Schedules

<u>Present Rates</u>				<u>Adjusted Rates</u>			
<u>Residential Service (12-RS)</u>				<u>Residential Service (13-RS)</u>			
<u>General Use</u>				<u>General Use</u>			
Customer Charge	@	\$13.50	/month	Customer Charge	@	\$13.50	/month
Delivery Charge				Delivery Charge			
Summer - All kWh	@	\$0.11769	/kWh	Summer - All kWh	@	\$0.12025	/kWh
Winter (Nov-Jun)	@	\$0.10669	/kWh	Winter (Oct-May)	@	\$0.10925	/kWh
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh
<u>Space Heating</u>				<u>Space Heating</u>			
Customer Charge	@	\$13.50	/month	Customer Charge	@	\$13.50	/month
Delivery Charge				Delivery Charge			
Summer - All kWh	@	\$0.11769	/kWh	Summer - All kWh	@	\$0.12025	/kWh
Winter (Nov-Jun)				Winter (Oct-May)			
0-800 kWh	@	\$0.10669	/kWh	0-800 kWh	@	\$0.10925	/kWh
801-5800 kWh	@	\$0.09435	/kWh	801-5800 kWh	@	\$0.09673	/kWh
5801 kWh and above	@	\$0.10669	/kWh	5801 kWh and above	@	\$0.10925	/kWh
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh
<u>General Service Small (12-GSS)</u>				<u>General Service Small (13-GSS)</u>			
Customer Charge	@	\$22.00	/month	Customer Charge	@	\$22.00	/month
Delivery Charge				Delivery Charge			
Summer - (July to Oct.)	@	\$0.09230	/kWh	Summer - (July to Oct.)	@	\$0.09506	/kWh
Winter (Nov-Jun)	@	\$0.08130	/kWh	Winter (Nov-Jun)	@	\$0.08406	/kWh
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh
<u>General Service Large (12-GSL)</u>				<u>General Service Large (13-GSL)</u>			
Customer Charge	@	\$40.75	/month	Customer Charge	@	\$40.75	/month
Demand Charge per kW>9				Demand Charge per kW>9			
Summer - (July to Oct.)	@	\$12.50	/kW	Summer - (July to Oct.)	@	\$12.50	/kW
Winter (Nov-Jun)	@	\$10.50	/kW	Winter (Nov-Jun)	@	\$10.50	/kW
Delivery Charge				Delivery Charge			
Summer - (July to Oct.)	@	\$0.07460	/kWh	Summer - (July to Oct.)	@	\$0.07666	/kWh
Winter (Nov-Jun)	@	\$0.07460	/kWh	Winter (Nov-Jun)	@	\$0.07666	/kWh
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh
<u>General Service Space Heating</u>				<u>General Service Space Heating</u>			
Demand Charge				Demand Charge			
Summer - (July to Oct.)	@	\$12.50	/kW	Summer - (July to Oct.)	@	\$12.50	/kW
Winter (Nov-Jun)	@	\$10.50	/kW	Winter (Nov-Jun)	@	\$10.50	/kW
Energy Charge				Energy Charge			
GSL	@	\$0.07460	/kWh	GSL	@	\$0.07666	/kWh
Heating	@	\$0.07070	/kWh	Heating	@	\$0.07221	/kWh
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh

Comparison of Rate Schedules

<u>Present Rates</u>				<u>Settlement Rates</u>			
<u>Industrial Service (12-IS)</u>				<u>Industrial Service (13-IS)</u>			
Customer Charge	@	\$100.62	/month	Customer Charge	@	\$100.62	/month
Demand Charge per kW>10				Demand Charge per kW>10			
Summer - (July to Oct.)	@	\$14.00	/kW	Summer - (July to Oct.)	@	\$14.00	/kW
Winter (Nov-Jun)	@	\$11.00	/kW	Winter (Nov-Jun)	@	\$11.00	/kW
Delivery Charge				Delivery Charge			
Summer - (July to Oct.)	@	\$0.06710	/kWh	Summer - (July to Oct.)	@	\$0.06834	/kWh
Winter (Nov-Jun)	@	\$0.06710	/kWh	Winter (Nov-Jun)	@	\$0.06834	/kWh
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh
<u>Industrial Service-Primary Discount</u>				<u>Industrial Service-Primary Discount</u>			
Customer Charge	@	\$98.61	/month	Customer Charge	@	\$98.61	/month
Demand Charge per kW>10				Demand Charge per kW>10			
Summer - (July to Oct.)	@	\$13.72	/kW	Summer - (July to Oct.)	@	\$13.72	/kW
Winter (Nov-Jun)	@	\$10.78	/kW	Winter (Nov-Jun)	@	\$10.78	/kW
Delivery Charge				Delivery Charge			
Summer - (July to Oct.)	@	\$0.06576	/kWh	Summer - (July to Oct.)	@	\$0.06698	/kWh
Winter (Nov-Jun)	@	\$0.06576	/kWh	Winter (Nov-Jun)	@	\$0.06698	/kWh
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh
<u>Interruptible Industrial Service (12-INT)</u>				<u>Interruptible Industrial Service (13-INT)</u>			
Customer Charge	@	\$100.62	/month	Customer Charge	@	\$100.62	/month
Demand Charge per kW>10				Demand Charge per kW>10			
Non-Interruptible				Non-Interruptible			
Summer - (July to Oct.)	@	\$14.00	/kW	Summer - (July to Oct.)	@	\$14.00	/kW
Winter (Nov-Jun)	@	\$11.00	/kW	Winter (Nov-Jun)	@	\$11.00	/kW
Interruptible				Interruptible			
Summer - (July to Oct.)	@	\$7.00	/kW	Summer - (July to Oct.)	@	\$7.00	/kW
Winter (Nov-Jun)	@	\$7.00	/kW	Winter (Nov-Jun)	@	\$7.00	/kW
Penalty				Penalty			
Summer - (July to Oct.)	@	\$31.24	/kW	Summer - (July to Oct.)	@	\$31.24	/kW
Winter (Nov-Jun)	@	\$31.24	/kW	Winter (Nov-Jun)	@	\$31.24	/kW
Delivery Charge				Delivery Charge			
Summer - (July to Oct.)	@	\$0.06710	/kWh	Summer - (July to Oct.)	@	\$0.06834	/kWh
Winter (Nov-Jun)	@	\$0.06710	/kWh	Winter (Nov-Jun)	@	\$0.06834	/kWh
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh
<u>Real -Time Pricing (RTP)</u>				<u>Real -Time Pricing (RTP)</u>			
Customer Charge	@	\$251.55	/month	Customer Charge	@	\$251.55	/month
Delivery Charge	@	\$0.05748	/kWh	Delivery Charge	@	\$0.05748	/kWh

Comparison of Rate Schedules

<u>Present Rates</u>				<u>Settlement Rates</u>			
<u>Transmission Level Service (12-STR)</u>				<u>Transmission Level Service (13-STR)</u>			
<u>Service at 34.5 kV Voltage</u>				<u>Service at 34.5 kV Voltage</u>			
Customer Charge	@	\$111.80	/month	Customer Charge	@	\$111.80	/month
<u>Demand Charge</u>				<u>Demand Charge</u>			
Demand Requirements	@	\$6.29	/kW	Demand Requirements	@	\$6.41	/kW
OATT	@	\$2.72	/kW	OATT	@	\$2.77	/kW
Local Access Charge	@	\$2.03	/kW	Local Access Charge	@	\$2.80	/kW
<u>Energy Charge</u>				<u>Energy Charge</u>			
Energy Charge	@	\$0.00990	/kWh	Energy Charge	@	\$0.01008	/kWh
Energy Cost Adjustment	@	\$0.03806	/kWh	Energy Cost Adjustment	@	\$0.03878	/kWh
Delivery Charge	@	\$0.00182	/kWh	Delivery Charge	@	\$0.00190	/kWh
<u>Service at 115 kV Voltage</u>				<u>Service at 115 kV Voltage</u>			
Customer Charge	@	\$111.80	/month	Customer Charge	@	\$111.80	/month
<u>Demand Charge</u>				<u>Demand Charge</u>			
Demand Requirements	@	\$6.29	/kW	Demand Requirements	@	\$6.29	/kW
OATT	@	\$2.72	/kW	OATT	@	\$2.72	/kW
<u>Energy Charge</u>				<u>Energy Charge</u>			
Energy Charge	@	\$0.00990	/kWh	Energy Charge	@	\$0.00990	/kWh
Energy Cost Adjustment	@	\$0.03806	/kWh	Energy Cost Adjustment	@	\$0.03806	/kWh
Delivery Charge	@	\$0.00182	/kWh	Delivery Charge	@	\$0.00190	/kWh
<u>Municipal Power Service (12-M-I)</u>				<u>Municipal Power Service (13-M-I)</u>			
Customer Charge	@	\$13.50	/month	Customer Charge	@	\$13.50	/month
<u>Delivery Charge</u>				<u>Delivery Charge</u>			
Summer - (July to Oct.)	@	\$0.11378	/kWh	Summer - (July to Oct.)	@	\$0.11627	/kWh
Winter (Nov-Jun)	@	\$0.10278	/kWh	Winter (Nov-Jun)	@	\$0.10527	/kWh
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh
<u>Water Pumping Service (12-WP)</u>				<u>Water Pumping Service (13-WP)</u>			
Customer Charge	@	\$20.00	/month	Customer Charge	@	\$20.00	/month
<u>Delivery Charge</u>				<u>Delivery Charge</u>			
Summer - (July to Oct.)	@	\$0.11225	/kWh	Summer - (July to Oct.)	@	\$0.11402	/kWh
Winter (Nov-Jun)	@	\$0.10125	/kWh	Winter (Nov-Jun)	@	\$0.10302	/kWh
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh
<u>Irrigation Service (12-IP-I)</u>				<u>Irrigation Service (13-IP-I)</u>			
Demand Charge per horsepower contracted				Demand Charge per horsepower contracted			
per year	@	\$37.30	/HP/yr.	per year	@	\$37.30	/HP/yr.
<u>Delivery Charge</u>				<u>Delivery Charge</u>			
Summer - (July to Oct.)	@	\$0.08600	/kWh	Summer - (July to Oct.)	@	\$0.08773	/kWh
Winter (Nov-Jun)	@	\$0.07500	/kWh	Winter (Nov-Jun)	@	\$0.07673	/kWh
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh

Comparison of Rate Schedules

<u>Present Rates</u>				<u>Settlement Rates</u>			
<u>Temporary Service (12-CS)</u>				<u>Temporary Service (13-CS)</u>			
Delivery Charge	@	\$0.21738	/kWh	Delivery Charge	@	\$0.22195	/kWh
plus equipment service chg.				plus equipment service chg.			
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh
<u>Private Area / Street Lighting (12-PAL-SL-I)</u>				<u>Private Area / Street Lighting (12-PAL-SL-I)</u>			
<u>Private Area Light (Coop owned)</u>				<u>Private Area Light (Coop owned)</u>			
On Existing Pole				On Existing Pole			
100 W P.A.L. Cust 0%	@	\$10.49	/mo.	100 W P.A.L. Cust 0%	@	\$10.78	/mo.
100 W P.A.L. Cust 100%	@	\$3.94	/mo.	100 W P.A.L. Cust 100%	@	\$4.05	/mo.
150 W P.A.L. Cust 0%	@	\$16.68	/mo.	150 W P.A.L. Cust 0%	@	\$17.14	/mo.
150 W P.A.L. Cust 100%	@	\$5.55	/mo.	150 W P.A.L. Cust 100%	@	\$5.70	/mo.
200 W P.A.L. Cust 0%	@	\$18.74	/mo.	200 W P.A.L. Cust 0%	@	\$19.26	/mo.
200 W P.A.L. Cust 50%	@	\$12.69	/mo.	200 W P.A.L. Cust 50%	@	\$13.04	/mo.
200 W P.A.L. Cust 100%	@	\$6.90	/mo.	200 W P.A.L. Cust 100%	@	\$7.09	/mo.
On New Pole (Wood)				On New Pole (Wood)			
100 W P.A.L. Cust 0%	@	\$17.52	/mo.	100 W P.A.L. Cust 0%	@	\$18.01	/mo.
100 W P.A.L. Cust 100%	@	\$4.40	/mo.	100 W P.A.L. Cust 100%	@	\$4.52	/mo.
150 W P.A.L. Cust 0%	@	\$19.46	/mo.	150 W P.A.L. Cust 0%	@	\$20.00	/mo.
150 W P.A.L. Cust 100%	@	\$5.72	/mo.	150 W P.A.L. Cust 100%	@	\$5.88	/mo.
200 W P.A.L. Cust 0%	@	\$20.85	/mo.	200 W P.A.L. Cust 0%	@	\$21.43	/mo.
200 W P.A.L. Cust 100%	@	\$7.03	/mo.	200 W P.A.L. Cust 100%	@	\$7.23	/mo.
<u>Flood Lights</u>				<u>Flood Lights</u>			
On Existing Pole				On Existing Pole			
150 W Flood Cust 0%	@	\$19.76	/mo.	150 W Flood Cust 0%	@	\$20.31	/mo.
150 W Flood Cust 100%	@	\$5.75	/mo.	150 W Flood Cust 100%	@	\$5.91	/mo.
400 W Flood Cust 0%	@	\$36.18	/mo.	400 W Flood Cust 0%	@	\$37.19	/mo.
400 W Flood Cust 50%	@	\$24.26	/mo.	400 W Flood Cust 50%	@	\$24.93	/mo.
400 W Flood Cust 100%	@	\$12.91	/mo.	400 W Flood Cust 100%	@	\$13.27	/mo.
1000 W Flood M.H. Cust 0%	@	\$53.03	/mo.	1000 W Flood M.H. Cust 0%	@	\$54.51	/mo.
1000 W Flood M.H. Cust 100'	@	\$30.42	/mo.	1000 W Flood M.H. Cust 100'	@	\$31.27	/mo.
On New Pole (Wood)				On New Pole (Wood)			
150 W P.A.L. Cust 0%	@	\$22.33	/mo.	150 W P.A.L. Cust 0%	@	\$22.95	/mo.
150 W P.A.L. Cust 100%	@	\$5.94	/mo.	150 W P.A.L. Cust 100%	@	\$6.11	/mo.
400 W P.A.L. Cust 0%	@	\$38.17	/mo.	400 W P.A.L. Cust 0%	@	\$39.23	/mo.
400 W P.A.L. Cust 100%	@	\$13.08	/mo.	400 W P.A.L. Cust 100%	@	\$13.44	/mo.
1000 W Flood M.H. Cust 0%	@	\$72.31	/mo.	1000 W Flood M.H. Cust 0%	@	\$74.32	/mo.
1000 W Flood M.H. Cust 100'	@	\$29.30	/mo.	1000 W Flood M.H. Cust 100'	@	\$30.12	/mo.
<u>Street Lights</u>				<u>Street Lights</u>			
On Existing Pole				On Existing Pole			
100 W P.A.L. Cust 0%	@	\$11.64	/mo.	100 W P.A.L. Cust 0%	@	\$11.96	/mo.
100 W P.A.L. Cust 100%	@	\$4.03	/mo.	100 W P.A.L. Cust 100%	@	\$4.14	/mo.
150 W P.A.L. Cust 0%	@	\$13.71	/mo.	150 W P.A.L. Cust 0%	@	\$14.09	/mo.
150 W P.A.L. Cust 100%	@	\$5.35	/mo.	150 W P.A.L. Cust 100%	@	\$5.50	/mo.
200 W P.A.L. Cust 0%	@	\$16.85	/mo.	200 W P.A.L. Cust 0%	@	\$17.32	/mo.
200 W P.A.L. Cust 100%	@	\$6.77	/mo.	200 W P.A.L. Cust 100%	@	\$6.96	/mo.

Comparison of Rate Schedules

<u>Present Rates</u>				<u>Settlement Rates</u>			
<u>Private Area / Street Lighting (12-PAL-SL-I)</u>				<u>Private Area / Street Lighting (12-PAL-SL-I)</u>			
Continued				Continued			
<u>Street Lights</u>				<u>Street Lights</u>			
On New Pole (Wood)				On New Pole (Wood)			
100 W P.A.L. Cust 0%	@	\$17.52	/mo.	100 W P.A.L. Cust 0%	@	\$18.01	/mo.
100 W P.A.L. Cust 100%	@	\$4.40	/mo.	100 W P.A.L. Cust 100%	@	\$4.52	/mo.
150 W P.A.L. Cust 0%	@	\$19.46	/mo.	150 W P.A.L. Cust 0%	@	\$20.00	/mo.
150 W P.A.L. Cust 100%	@	\$5.72	/mo.	150 W P.A.L. Cust 100%	@	\$5.88	/mo.
200 W P.A.L. Cust 0%	@	\$20.85	/mo.	200 W P.A.L. Cust 0%	@	\$21.43	/mo.
200 W P.A.L. Cust 100%	@	\$7.03	/mo.	200 W P.A.L. Cust 100%	@	\$7.23	/mo.
On Existing Pole				On Existing Pole			
100 W Cobra Head Cust 0%	@	\$11.64	/mo.	100 W Cobra Head Cust 0%	@	\$11.96	/mo.
100 W Cobra Head Cust 100%	@	\$4.03	/mo.	100 W Cobra Head Cust 100%	@	\$4.14	/mo.
150 W Cobra Head Cust 0%	@	\$13.71	/mo.	150 W Cobra Head Cust 0%	@	\$14.09	/mo.
150 W Cobra Head Cust 100%	@	\$5.35	/mo.	150 W Cobra Head Cust 100%	@	\$5.50	/mo.
200 W Cobra Head Cust 0%	@	\$16.85	/mo.	200 W Cobra Head Cust 0%	@	\$17.32	/mo.
200 W Cobra Head Cust 100%	@	\$6.77	/mo.	200 W Cobra Head Cust 100%	@	\$6.96	/mo.
250 W Cobra Head Cust 0%	@	\$18.47	/mo.	250 W Cobra Head Cust 0%	@	\$18.98	/mo.
250 W Cobra Head Cust 100%	@	\$8.09	/mo.	250 W Cobra Head Cust 100%	@	\$8.32	/mo.
400 W Cobra Head Cust 0%	@	\$22.44	/mo.	400 W Cobra Head Cust 0%	@	\$23.06	/mo.
400 W Cobra Head Cust 100%	@	\$11.99	/mo.	400 W Cobra Head Cust 100%	@	\$12.32	/mo.
<u>Flood Lights</u>				<u>Flood Lights</u>			
On New Pole (Wood)				On New Pole (Wood)			
100 W Cobra Head Cust 0%	@	\$20.50	/mo.	100 W Cobra Head Cust 0%	@	\$21.07	/mo.
100 W Cobra Head Cust 100%	@	\$4.59	/mo.	100 W Cobra Head Cust 100%	@	\$4.72	/mo.
150 W Cobra Head Cust 0%	@	\$22.04	/mo.	150 W Cobra Head Cust 0%	@	\$22.65	/mo.
150 W Cobra Head Cust 100%	@	\$5.92	/mo.	150 W Cobra Head Cust 100%	@	\$6.08	/mo.
200 W Cobra Head Cust 0%	@	\$23.03	/mo.	200 W Cobra Head Cust 0%	@	\$23.67	/mo.
200 W Cobra Head Cust 100%	@	\$7.19	/mo.	200 W Cobra Head Cust 100%	@	\$7.39	/mo.
250 W Cobra Head Cust 0%	@	\$25.58	/mo.	250 W Cobra Head Cust 0%	@	\$26.29	/mo.
250 W Cobra Head Cust 100%	@	\$8.97	/mo.	250 W Cobra Head Cust 100%	@	\$9.22	/mo.
400 W Cobra Head Cust 0%	@	\$29.56	/mo.	400 W Cobra Head Cust 0%	@	\$30.38	/mo.
400 W Cobra Head Cust 100%	@	\$12.86	/mo.	400 W Cobra Head Cust 100%	@	\$13.22	/mo.
On New Pole (Steel)				On New Pole (Steel)			
100 W Cobra Head Cust 0%	@	\$32.02	/mo.	100 W Cobra Head Cust 0%	@	\$32.91	/mo.
100 W Cobra Head Cust 100%	@	\$5.38	/mo.	100 W Cobra Head Cust 100%	@	\$5.53	/mo.
150 W Cobra Head Cust 0%	@	\$33.55	/mo.	150 W Cobra Head Cust 0%	@	\$34.48	/mo.
150 W Cobra Head Cust 100%	@	\$6.68	/mo.	150 W Cobra Head Cust 100%	@	\$6.87	/mo.
200 W Cobra Head Cust 0%	@	\$35.40	/mo.	200 W Cobra Head Cust 0%	@	\$36.38	/mo.
200 W Cobra Head Cust 100%	@	\$8.00	/mo.	200 W Cobra Head Cust 100%	@	\$8.22	/mo.
250 W Cobra Head Cust 0%	@	\$39.47	/mo.	250 W Cobra Head Cust 0%	@	\$40.57	/mo.
250 W Cobra Head Cust 100%	@	\$9.49	/mo.	250 W Cobra Head Cust 100%	@	\$9.75	/mo.
400 W Cobra Head Cust 0%	@	\$43.40	/mo.	400 W Cobra Head Cust 0%	@	\$44.61	/mo.
400 W Cobra Head Cust 100%	@	\$13.37	/mo.	400 W Cobra Head Cust 100%	@	\$13.74	/mo.
Energy Cost Adjustment	@		/kWh	Energy Cost Adjustment	@		/kWh

Comparison of Rate Schedules

<u>Present Rates</u>				<u>Settlement Rates</u>			
<u>Private Area / Street Lighting (12-PAL-SL-I)</u>				<u>Private Area / Street Lighting (13-PAL-SL-I)</u>			
Continued				Continued			
<u>Security (Decorative) Lighting Service (12-DOL-I)</u>				<u>Security (Decorative) Lighting Service (13-DOL-I)</u>			
<u>Coop Owned</u>				<u>Coop Owned</u>			
Continued				Continued			
<u>Acorn</u>				<u>Acorn</u>			
35 W HPS	Cust 0%	@	\$24.10 /mo.	35 W HPS	Cust 0%	@	\$24.77 /mo.
35 W HPS	Cust 100%	@	\$3.48 /mo.	35 W HPS	Cust 100%	@	\$3.58 /mo.
100 W HPS	Cust 0%	@	\$35.18 /mo.	100 W HPS	Cust 0%	@	\$36.16 /mo.
100 W HPS	Cust 50%	@	\$20.18 /mo.	100 W HPS	Cust 50%	@	\$20.74 /mo.
100 W HPS	Cust 100%	@	\$5.86 /mo.	100 W HPS	Cust 100%	@	\$6.02 /mo.
250 W HPS	Cust 0%	@	\$40.91 /mo.	250 W HPS	Cust 0%	@	\$42.05 /mo.
250 W HPS	Cust 100%	@	\$9.91 /mo.	250 W HPS	Cust 100%	@	\$10.19 /mo.
<u>Single Globe</u>				<u>Single Globe</u>			
35 W HPS	Cust 0%	@	\$18.61 /mo.	35 W HPS	Cust 0%	@	\$19.13 /mo.
35 W HPS	Cust 100%	@	\$3.10 /mo.	35 W HPS	Cust 100%	@	\$3.19 /mo.
70 W HPS	Cust 0%	@	\$30.63 /mo.	70 W HPS	Cust 0%	@	\$31.48 /mo.
70 W HPS	Cust 100%	@	\$4.80 /mo.	70 W HPS	Cust 100%	@	\$4.93 /mo.
100 W HPS	Cust 0%	@	\$31.70 /mo.	100 W HPS	Cust 0%	@	\$32.58 /mo.
100 W HPS	Cust 100%	@	\$5.63 /mo.	100 W HPS	Cust 100%	@	\$5.79 /mo.
150 W HPS	Cust 0%	@	\$33.23 /mo.	150 W HPS	Cust 0%	@	\$34.15 /mo.
150 W HPS	Cust 100%	@	\$6.95 /mo.	150 W HPS	Cust 100%	@	\$7.14 /mo.
<u>Multi Globe</u>				<u>Multi Globe</u>			
70 W HPS	Cust 0%	@	\$80.87 /mo.	70 W HPS	Cust 0%	@	\$83.12 /mo.
70 W HPS	Cust 100%	@	\$15.99 /mo.	70 W HPS	Cust 100%	@	\$16.43 /mo.
100 W HPS	Cust 0%	@	\$86.11 /mo.	100 W HPS	Cust 0%	@	\$88.51 /mo.
100 W HPS	Cust 100%	@	\$20.03 /mo.	100 W HPS	Cust 100%	@	\$20.59 /mo.
150 W HPS	Cust 0%	@	\$93.92 /mo.	150 W HPS	Cust 0%	@	\$96.53 /mo.
150 W HPS	Cust 100%	@	\$26.63 /mo.	150 W HPS	Cust 100%	@	\$27.37 /mo.
<u>Lantern</u>				<u>Lantern</u>			
35 W HPS	Cust 0%	@	\$21.73 /mo.	35 W HPS	Cust 0%	@	\$22.33 /mo.
35 W HPS	Cust 100%	@	\$3.33 /mo.	35 W HPS	Cust 100%	@	\$3.42 /mo.
100 W HPS	Cust 0%	@	\$38.00 /mo.	100 W HPS	Cust 0%	@	\$39.06 /mo.
100 W HPS	Cust 100%	@	\$6.03 /mo.	100 W HPS	Cust 100%	@	\$6.20 /mo.
250 W HPS	Cust 0%	@	\$43.43 /mo.	250 W HPS	Cust 0%	@	\$44.64 /mo.
250 W HPS	Cust 100%	@	\$10.06 /mo.	250 W HPS	Cust 100%	@	\$10.34 /mo.
<u>Shoebox</u>				<u>Shoebox</u>			
100 W HPS	Cust 0%	@	\$44.41 /mo.	100 W HPS	Cust 0%	@	\$45.65 /mo.
100 W HPS	Cust 100%	@	\$6.46 /mo.	100 W HPS	Cust 100%	@	\$6.64 /mo.
250 W HPS	Cust 0%	@	\$49.69 /mo.	250 W HPS	Cust 0%	@	\$51.07 /mo.
250 W HPS	Cust 100%	@	\$10.49 /mo.	250 W HPS	Cust 100%	@	\$10.78 /mo.
400 W HPS	Cust 0%	@	\$54.42 /mo.	400 W HPS	Cust 0%	@	\$55.93 /mo.
400W HPS	Cust 100%	@	\$14.70 /mo.	400W HPS	Cust 100%	@	\$15.11 /mo.
800 W HPS	Cust 0%	@	\$75.13 /mo.	800 W HPS	Cust 0%	@	\$77.22 /mo.
800 W HPS	Cust 100%	@	\$26.29 /mo.	800 W HPS	Cust 100%	@	\$27.02 /mo.

**Comparison of
Present and Settlement Rate Schedules**

<u>Present Rates</u>				<u>Settlement Rates</u>			
Coop Owned				Coop Owned			
Continued				Continued			
<u>Vapor Street Lighting Ornamental Service (12-OSL-V-I)</u>				<u>Vapor Street Lighting Ornamental Service (13-OSL-V-I)</u>			
175 W MV	@	\$12.82	/mo.	175 W MV	@	\$13.18	/mo.
250 W MV	@	\$15.51	/mo.	250 W MV	@	\$15.94	/mo.
400 W MV	@	\$20.50	/mo.	400 W MV	@	\$21.07	/mo.
100 W HPS	@	\$11.64	/mo.	100 W HPS	@	\$11.96	/mo.
150 W HPS	@	\$13.71	/mo.	150 W HPS	@	\$14.09	/mo.
200 W HPS	@	\$16.85	/mo.	200 W HPS	@	\$17.32	/mo.
<u>Controlled Private Area Lighting (04-PAL-I) Frozen</u>				<u>Controlled Private Area Lighting (13-PAL-I) Frozen</u>			
175 W MV	@	\$11.67	/mo.	175 W MV	@	\$11.99	/mo.
400 W MV	@	\$22.40	/mo.	400 W MV	@	\$23.02	/mo.
400 W MV (Flood)	@	\$24.46	/mo.	400 W MV (Flood)	@	\$25.14	/mo.
1000 W MV (Flood)	@	\$46.21	/mo.	1000 W MV (Flood)	@	\$47.50	/mo.
100 W HPS	@	\$10.49	/mo.	100 W HPS	@	\$10.78	/mo.
200 W HPS	@	\$18.74	/mo.	200 W HPS	@	\$19.26	/mo.
150 W HPS (Flood)	@	\$19.76	/mo.	150 W HPS (Flood)	@	\$20.31	/mo.
400 W HPS (Flood)	@	\$36.18	/mo.	400 W HPS (Flood)	@	\$37.19	/mo.
<u>Street Lighting Service Dusk to Dawn (04-SL-I)</u>				<u>Street Lighting Service Dusk to Dawn (13-SL-I)</u>			
Inc 1000 lumen lamps	@	\$5.18	/mo.	Inc 1000 lumen lamps	@	\$5.32	/mo.
MV 7000 lumen lamps	@	\$12.28	/mo.	MV 7000 lumen lamps	@	\$12.62	/mo.
<u>Local Access Charge (12-LAC)</u>				<u>Local Access Charge (13-LAC)</u>			
Demand Charge	@	\$2.67	/mo.	Demand Charge	@	\$2.80	/mo.

**BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS**

In the Matter of the Application of Mid-Kansas)
Electric Company, LLC for Approval to Make)
Certain Changes in its Charges for Electric) Docket No. 12-MKEE-380-RTS
Services in the Geographical Service Territory)
Served by Southern Pioneer Electric Company.)

ERRATA TO SETTLEMENT AGREEMENT

On May 21, 2012, Mid-Kansas Electric Company, LLC ("Mid-Kansas"), Staff of the State Corporation Commission of the State of Kansas ("Staff"), the Citizens' Utility Ratepayer Board ("CURB"), Kansas Electric Power Cooperative, Inc. ("KEPCo"), and Kansas Power Pool ("KPP") (collectively referred to as "the Parties") filed their *Joint Motion for Approval of Settlement Agreement*, which included the Settlement Agreement ("Agreement") and related Exhibit 1 that were attached to the Joint Motion as Attachment A. Testimony in support of the Agreement was filed concurrently with the Joint Motion.

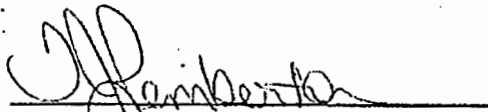
As filed, page three (3), paragraph eight (8) of the Agreement reads, "The Parties agree that Mid-Kansas' rate increase for the Southern Pioneer Division should be \$5,000,000, which consists of a retail rate of \$4,744,744 and a LAC increase of \$255,256." This sentence should read, "The Parties agree that Mid-Kansas' rate increase for the Southern Pioneer Division should be \$5,000,000, which consists of a retail rate of \$4,720,226 and a LAC increase of \$279,774."

Additionally, due to the correction in the breakout between the retail and LAC figures, Exhibit 1 to the Agreement must be corrected to reflect the change in allocation. Corrected

copies of page three of the Agreement, and of Exhibit 1 of the Agreement are attached to this Errata and should be substituted into the original documents.

Respectfully submitted,

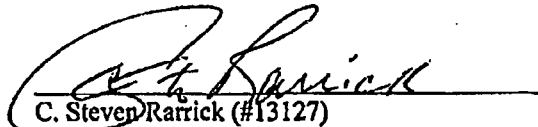
Mark D. Calcara (#09957)
Watkins Calcara Chtd.
1321 Main Street, Suite 300
P.O. Drawer 1110
Great Bend, Kansas 67530
(620) 792-8231 telephone
(620) 792-2775 facsimile



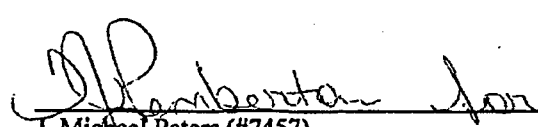
Glenda Cafer (#13342)
(785) 271-9991
Terri Pemberton (#23297)
(785) 232-2123
CAFER LAW OFFICE, L.L.C.
3321 SW 6th Avenue
Topeka, Kansas 66606
(785) 233-3040 (fax)
glenda@caferlaw.com
terri@caferlaw.com
Counsel for Mid-Kansas Electric Company, LLC



Ray Bergmeier (#24974)
Kansas Corporation Commission
1500 SW Arrowhead Road
Topeka, Kansas 66606
(785) 271-3119
(785) 271-3167 (fax)
r.bergmeier@kcc.ks.gov
Counsel for Commission Staff



C. Steven Rarrick (#13127)
Citizens' Utility Ratepayer Board
1500 SW Arrowhead Road
Topeka, Kansas 66606
(785) 271-3108
(785) 271-3116 (fax)
s.rarrick@curb.kansas.gov
Counsel for Citizens' Utility Ratepayer Board

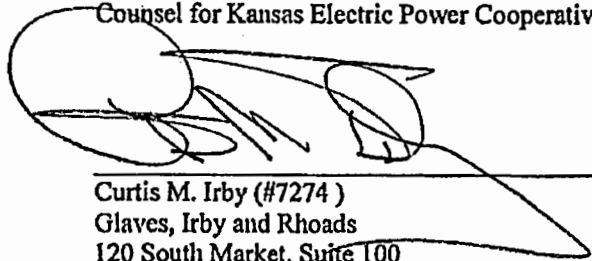


J. Michael Peters (#7457)
Kansas Electric Power Cooperative, Inc.
P.O. Box 4877
Topeka, Kansas 66604-0877
(785) 273-7010
(785) 271-4888 (fax)
mpeters@kepco.org
Counsel for Kansas Electric Power Cooperative, Inc.

Curtis M. Irby (#7274)
Glaves, Irby and Rhoads
120 South Market, Suite 100
Wichita, Kansas 67202
(316) 262-5181
cmirby@sbcglobal.net
Counsel for Kansas Power Pool

C. Steven Rarrick (#13127)
Citizens' Utility Ratepayer Board
1500 SW Arrowhead Road
Topeka, Kansas 66606
(785) 271-3108
(785) 271-3116 (fax)
s.rarrick@curb.kansas.gov
Counsel for Citizens' Utility Ratepayer Board

J. Michael Peters (#7457)
Kansas Electric Power Cooperative, Inc.
P.O. Box 4877
Topeka, Kansas 66604-0877
(785) 273-7010
(785) 271-4888 (fax)
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Curtis M. Irby (#7274)
Glaves, Irby and Rhoads
120 South Market, Suite 100
Wichita, Kansas 67202
(316) 262-5181
cmirby@sbcglobal.net
Counsel for Kansas Power Pool

CERTIFICATE OF SERVICE

I, the undersigned, hereby certify that a true and correct copy of the above *Errata* was electronically served, hand-delivered or mailed, postage prepaid, this 27 day of May, 2012 to:

RAY BERGMEIER
KANSAS CORPORATION COMMISSION
1500 SWARROWHEAD ROAD
TOPEKA, KANSAS 66604-4027

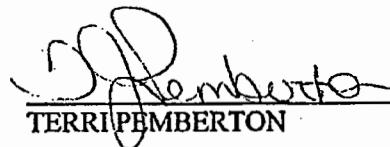
J. MICHAEL PETERS
VP, ADMINISTRATION & GENERAL COUNSEL
KANSAS ELECTRIC POWER COOPERATIVE, INC
600 SW CORPORATE VIEW
TOPEKA, KANSAS 66615

MARK DOLJAC
DIRECTOR OF RATES & REGULATION
KANSAS ELECTRIC POWER COOPERATIVE, INC
600 SW CORPORATE VIEW
TOPEKA, KANSAS 66615

C. STEVEN RARRICK
DAVID SPRINGE
NIKI CHRISTOPHER
SHONDA SMITH
DELLA SMITH
CITIZENS' UTILITY RATEPAYER BOARD
1500 SW ARROWHEAD ROAD
TOPEKA, KANSAS 66604

CURTIS M. IRBY
COUNSEL, KANSAS POWER POOL
GLAVES, IRBY AND RHOADS
155 N. MARKET, STE. 1050
WICHITA, KANSAS 67202

COLIN M. WHITLEY, CEO/GENERAL MANAGER
LARRY HOLLOWAY, OPERATIONS MANAGER
KANSAS POWER POOL
200 WEST DOUGLAS, SUITE 601
WICHITA, KANSAS 67202


TERRI PEMBERTON

depreciation rates established by the Commission on January 10, 2012³ for Mid-Kansas assets, (f) recommendations on DSC ratios and Rate Design, (g) tracking of residential usage up to 800 kWh and over 800 kWh per month, and (h) other miscellaneous adjustments.

6. KEPCo did not make a recommendation on the revenue requirement but rather recommended (a) the disallowance of income tax expense, (b) disallowance of the prepayment penalty assessed to Southern Pioneer in its buying out of RUS debt, (c) disallowance of the DSC Ratemaking Plan, and (d) recommendations on DSC ratios and definitional changes to the local access delivery rate schedule.

7. KPP did not prefile testimony in this matter.

IV. TERMS OF SETTLEMENT AND AGREEMENT

A. Revenue Requirement

8. The Parties agree that Mid-Kansas' rate increase for the Southern Pioneer Division should be \$5,000,000, which consists of a retail rate increase of \$4,720,226 and a LAC increase of \$279,774.

B. Abbreviated Rate Case

9. The Parties agree that Mid-Kansas may use the Commission's abbreviated rate case procedure of K.A.R. 82-1-231(b)(3) for the limited purpose of seeking recovery of additional debt service costs, including debt coverage, related to debt levels in excess of Southern Pioneer's existing level of debt which is \$90,441,809. No other issues will be litigated in the abbreviated rate case. As required by K.A.R. 82-1-231, Mid-Kansas agrees to adopt all other regulatory procedures and principles established by the Commission in the Order to be issued in this docket. The Parties further agree that a DSC ratio of 1.8 shall be used for the

³ Docket No. 12-MKKEE-191-DRS.

**Comparison of Revenue
Present and Settlement Rates**

(a)	(b)	(c)	(d)	(e)	(f)
Line No.	Rate Class	Revenue Present Rates (\$)	Adjusted Revenue Settlement Rates	Increase (Decrease) Amount (\$)	Percent (%)
1	Residential Service (11-RS)				
2	General Use	13,418,928	15,466,839	2,047,911	15.3%
3	Space Heating	795,774	962,557	166,783	21.0%
4	General Service Small (11-GSS)	1,614,857	1,954,373	339,516	21.0%
5	General Service Large (11-GSL)	13,325,660	14,962,201	1,636,541	12.3%
6	General Service Space Heating	490,525	546,294	55,769	11.4%
7	Industrial Service (11-IS)	1,818,321	1,984,784	166,464	9.2%
8	Industrial Service-Primary Discount	-	-	-	0.0%
9	Real-Time Pricing (RTP)	82,550	82,550	-	0.0%
10	Transmission Level Service (11-STR)	24,469,707	24,515,362	45,655	0.2%
11	Municipal Power Service (11-M-I)	175,112	211,942	36,830	21.0%
12	Water Pumping Service (11-WP)	569,742	611,125	41,383	7.3%
13	Irrigation Service (11-IP-I)	183,388	200,995	17,607	9.6%
14	Temporary Service (11-CS)	7,542	8,700	1,158	15.3%
15	Lighting	783,116	947,775	164,659	21.0%
16	Total Retail Rates	57,735,223	62,455,499	4,720,276	8.2%
17					
18	Local Access Charge Revenue - Third Party	779,543	1,059,317	279,774	35.9%
19					
20	Total All Rates	58,514,766	63,514,816	5,000,050	8.5%

**Comparison of Average Rate
Present and Settlement Rates**

(a) Line No.	(b) Rate Class	(c) Energy Sales (kWh)	(d) <u>Average Rate</u>		(e)	(f)
			Present (\$/kWh)	Settlement (\$/kWh)	Increase (Decrease)	(%)
1	Residential Service (11-RS)					
2	General Use	120,801,641	11.11	12.80		15.3%
3	Space Heating	8,021,288	9.92	12.00		21.0%
4	General Service Small (11-GSS)	14,998,858	10.77	13.03		21.0%
5	General Service Large (11-GSL)	128,480,653	10.37	11.65		12.3%
6	General Service Space Heating	5,524,622	8.88	9.89		11.4%
7	Industrial Service (11-IS)	19,296,669	9.42	10.29		9.2%
8	Industrial Service-Primary Discount	-	N.A.	N.A.		N.A.
9	Real -Time Pricing (RTP)	1,331,218	6.20	6.20		0.0%
10	Transmission Level Service (11-STR)	388,276,102	6.30	6.31		0.2%
11	Municipal Power Service (11-M-I)	1,750,898	10.00	12.10		21.0%
12	Water Pumping Service (11-WP)	5,596,107	10.18	10.92		7.3%
13	Irrigation Service (11-IP-I)	1,618,606	11.33	12.42		9.6%
14	Temporary Service (11-CS)	40,022	18.85	21.74		15.3%
15	Lighting	4,488,065	17.45	21.12		21.0%

**Comparison of Average Monthly Bill
Present and Settlement Rates**

(a) Line No.	(b) Rate Class	(c) Energy Sales (cons.)	(d) Average Bill Per Cons.		(e) Settlement (\$/cons./mo.)	(f) Increase (Decrease) (\$/cons./mo.)
			Present (\$/cons./mo.)	Settlement (\$/cons./mo.)		
1	Residential Service (11-RS)					
2	General Use	12,240	91.36	105.30	13.94	
3	Space Heating	685	96.81	117.10	20.29	
4	General Service Small (11-GSS)	2,564	52.48	63.52	11.03	
5	General Service Large (11-GSL)	1,260	881.33	989.56	108.24	
6	General Service Space Heating	43	950.63	1,058.71	108.08	
7	Industrial Service (11-IS)	8	18,940.84	20,674.84	1,734.00	
8	Industrial Service-Primary Discount	-	N.A.	N.A.	-	
9	Real -Time Pricing (RTP)	2	3,439.58	3,439.58	-	
10	Transmission Level Service (11-STR)	5	407,828.46	408,589.37	760.92	
11	Municipal Power Service (11-M-I)	147	99.27	120.15	20.88	
12	Water Pumping Service (11-WP)	70	678.26	727.53	49.27	
13	Irrigation Service (11-IP-I)	23	674.22	738.95	64.73	
14	Temporary Service (11-CS)	3	209.51	241.66	32.15	
15	Lighting	4,978	13.11	15.87	2.76	

**Comparison of
Present and Settlement Rate Schedules**

<u>Present Rates</u>				<u>Settlement Rates</u>			
<u>Residential Service (09-RS)</u>				<u>Residential Service (12-RS)</u>			
<u>General Use</u>				<u>General Use</u>			
Customer Charge	@	\$11.50	/month	Customer Charge	@	\$13.50	/month
Delivery Charge				Delivery Charge			
Summer - All kWh	@	\$0.10491	/kWh	Summer - All kWh	@	\$0.11769	/kWh
Winter (Nov-Jun)	@	\$0.09410	/kWh	Winter (Oct-May)	@	\$0.10669	/kWh
Energy Cost Adjustment	@	(\$0.00185)	/kWh	Energy Cost Adjustment	@		/kWh
<u>Space Heating</u>				<u>Space Heating</u>			
Customer Charge	@	\$11.50	/month	Customer Charge	@	\$13.50	/month
Delivery Charge				Delivery Charge			
Summer - All kWh	@	\$0.10491	/kWh	Summer - All kWh	@	\$0.11769	/kWh
Winter (Nov-Jun)				Winter (Oct-May)			
0-800 kWh	@	\$0.09410	/kWh	0-800 kWh	@	\$0.10669	/kWh
801-5800 kWh	@	\$0.06745	/kWh	801-5800 kWh	@	\$0.09435	/kWh
5801 kWh and above	@	\$0.09410	/kWh	5801 kWh and above	@	\$0.10669	/kWh
Energy Cost Adjustment	@	(\$0.00185)	/kWh	Energy Cost Adjustment	@		/kWh
<u>General Service Small (09-GSS)</u>				<u>General Service Small (12-GSS)</u>			
Customer Charge	@	\$15.80	/month	Customer Charge	@	\$22.00	/month
Delivery Charge				Delivery Charge			
Summer - (July to Oct.)	@	\$0.08358	/kWh	Summer - (July to Oct.)	@	\$0.09230	/kWh
Winter (Nov-Jun)	@	\$0.07358	/kWh	Winter (Nov-Jun)	@	\$0.08130	/kWh
Energy Cost Adjustment	@	(\$0.00185)	/kWh	Energy Cost Adjustment	@		/kWh
<u>General Service Large (09-GSL)</u>				<u>General Service Large (12-GSL)</u>			
Customer Charge	@	\$40.75	/month	Customer Charge	@	\$40.75	/month
Demand Charge per kW>9				Demand Charge per kW>9			
Summer - (July to Oct.)	@	\$10.00	/kW	Summer - (July to Oct.)	@	\$12.50	/kW
Winter (Nov-Jun)	@	\$8.00	/kW	Winter (Nov-Jun)	@	\$10.50	/kW
Delivery Charge				Delivery Charge			
Summer - (July to Oct.)	@	\$0.07109	/kWh	Summer - (July to Oct.)	@	\$0.07460	/kWh
Winter (Nov-Jun)	@	\$0.07109	/kWh	Winter (Nov-Jun)	@	\$0.07460	/kWh
Energy Cost Adjustment	@	(\$0.00185)	/kWh	Energy Cost Adjustment	@		/kWh
<u>General Service Space Heating</u>				<u>General Service Space Heating</u>			
Demand Charge				Demand Charge			
Summer - (July to Oct.)	@	\$10.00	/kW	Summer - (July to Oct.)	@	\$12.50	/kW
Winter (Nov-Jun)	@	\$8.00	/kW	Winter (Nov-Jun)	@	\$10.50	/kW
Energy Charge				Energy Charge			
GSL	@	\$0.07109	/kWh	GSL	@	\$0.07460	/kWh
Heating	@	\$0.06714	/kWh	Heating	@	\$0.07070	/kWh
Energy Cost Adjustment	@	(\$0.00185)	/kWh	Energy Cost Adjustment	@		/kWh

**Comparison of
Present and Settlement Rate Schedules**

<u>Present Rates</u>				<u>Settlement Rates</u>			
<u>Industrial Service (09-IS)</u>				<u>Industrial Service (12-IS)</u>			
Customer Charge	@	\$100.62	/month	Customer Charge	@	\$100.62	/month
Demand Charge per kW>10				Demand Charge per kW>10			
Summer - (July to Oct.)	@	\$12.50	/kW	Summer - (July to Oct.)	@	\$14.00	/kW
Winter (Nov-Jun)	@	\$9.50	/kW	Winter (Nov-Jun)	@	\$11.00	/kW
Delivery Charge				Delivery Charge			
Summer - (July to Oct.)	@	\$0.06477	/kWh	Summer - (July to Oct.)	@	\$0.06710	/kWh
Winter (Nov-Jun)	@	\$0.06477	/kWh	Winter (Nov-Jun)	@	\$0.06710	/kWh
Energy Cost Adjustment	@	(\$0.00185)	/kWh	Energy Cost Adjustment	@		/kWh
<u>Industrial Service-Primary Discount</u>				<u>Industrial Service-Primary Discount</u>			
Customer Charge	@	\$98.61	/month	Customer Charge	@	\$98.61	/month
Demand Charge per kW>10				Demand Charge per kW>10			
Summer - (July to Oct.)	@	\$12.25	/kW	Summer - (July to Oct.)	@	\$13.72	/kW
Winter (Nov-Jun)	@	\$9.31	/kW	Winter (Nov-Jun)	@	\$10.78	/kW
Delivery Charge				Delivery Charge			
Summer - (July to Oct.)	@	\$0.06347	/kWh	Summer - (July to Oct.)	@	\$0.06576	/kWh
Winter (Nov-Jun)	@	\$0.06347	/kWh	Winter (Nov-Jun)	@	\$0.06576	/kWh
Energy Cost Adjustment	@	(\$0.00185)	/kWh	Energy Cost Adjustment	@		/kWh
<u>Interruptible Industrial Service (09-INT)</u>				<u>Interruptible Industrial Service (12-INT)</u>			
Customer Charge	@	\$100.62	/month	Customer Charge	@	\$100.62	/month
Demand Charge per kW>10				Demand Charge per kW>10			
Non-Interruptible				Non-Interruptible			
Summer - (July to Oct.)	@	\$12.50	/kW	Summer - (July to Oct.)	@	\$14.00	/kW
Winter (Nov-Jun)	@	\$9.50	/kW	Winter (Nov-Jun)	@	\$11.00	/kW
Interruptible				Interruptible			
Summer - (July to Oct.)	@	\$7.00	/kW	Summer - (July to Oct.)	@	\$7.00	/kW
Winter (Nov-Jun)	@	\$7.00	/kW	Winter (Nov-Jun)	@	\$7.00	/kW
Penalty				Penalty			
Summer - (July to Oct.)	@	\$31.24	/kW	Summer - (July to Oct.)	@	\$31.24	/kW
Winter (Nov-Jun)	@	\$31.24	/kW	Winter (Nov-Jun)	@	\$31.24	/kW
Delivery Charge				Delivery Charge			
Summer - (July to Oct.)	@	\$0.06477	/kWh	Summer - (July to Oct.)	@	\$0.06710	/kWh
Winter (Nov-Jun)	@	\$0.06477	/kWh	Winter (Nov-Jun)	@	\$0.06710	/kWh
Energy Cost Adjustment	@	(\$0.00185)	/kWh	Energy Cost Adjustment	@		/kWh
<u>Real-Time Pricing (RTP)</u>				<u>Real-Time Pricing (RTP)</u>			
Customer Charge	@	\$251.55	/month	Customer Charge	@	\$251.55	/month
Delivery Charge	@	\$0.05748	/kWh	Delivery Charge	@	\$0.05748	/kWh

Comparison of
Present and Settlement Rate Schedules

<u>Present Rates</u>				<u>Settlement Rates</u>			
<u>Transmission Level Service (09-STR)</u>				<u>Transmission Level Service (12-STR)</u>			
<u>Service at 34.5 kV Voltage</u>				<u>Service at 34.5 kV Voltage</u>			
Customer Charge	@	\$111.80	/month	Customer Charge	@	\$111.80	/month
<u>Demand Charge</u>				<u>Demand Charge</u>			
Demand Requirements	@	\$6.29	/kW	Demand Requirements	@	\$6.41	/kW
OATT	@	\$2.72	/kW	OATT	@	\$2.77	/kW
Local Access Charge	@	\$2.03	/kW	Local Access Charge	@	\$2.67	/kW
<u>Energy Charge</u>				<u>Energy Charge</u>			
Energy Charge	@	\$0.00990	/kWh	Energy Charge	@	\$0.01008	/kWh
Energy Cost Adjustment	@	\$0.03806	/kWh	Energy Cost Adjustment	@	\$0.03878	/kWh
Delivery Charge	@	\$0.00170	/kWh	Delivery Charge	@	\$0.00182	/kWh
<u>Service at 115 kV Voltage</u>				<u>Service at 115 kV Voltage</u>			
Customer Charge	@	\$111.80	/month	Customer Charge	@	\$111.80	/month
<u>Demand Charge</u>				<u>Demand Charge</u>			
Demand Requirements	@	\$6.29	/kW	Demand Requirements	@	\$6.29	/kW
OATT	@	\$2.72	/kW	OATT	@	\$2.72	/kW
<u>Energy Charge</u>				<u>Energy Charge</u>			
Energy Charge	@	\$0.00990	/kWh	Energy Charge	@	\$0.00990	/kWh
Energy Cost Adjustment	@	\$0.03806	/kWh	Energy Cost Adjustment	@	\$0.03806	/kWh
Delivery Charge	@	\$0.00170	/kWh	Delivery Charge	@	\$0.00182	/kWh

**Comparison of
Present and Settlement Rate Schedules**

<u>Present Rates</u>			<u>Settlement Rates</u>		
<u>Municipal Power Service (09-M-I)</u>			<u>Municipal Power Service (12-M-I)</u>		
Customer Charge	@	\$11.50 /month	Customer Charge	@	\$13.50 /month
Delivery Charge			Delivery Charge		
Summer - (July to Oct.)	@	\$0.09603 /kWh	Summer - (July to Oct.)	@	\$0.11378 /kWh
Winter (Nov-Jun)	@	\$0.08603 /kWh	Winter (Nov-Jun)	@	\$0.10278 /kWh
Energy Cost Adjustment	@	(\$0.00185) /kWh	Energy Cost Adjustment	@	/kWh
<u>Water Pumping Service (09-WP)</u>			<u>Water Pumping Service (12-WP)</u>		
Customer Charge	@	\$16.21 /month	Customer Charge	@	\$20.00 /month
Delivery Charge			Delivery Charge		
Summer - (July to Oct.)	@	\$0.10672 /kWh	Summer - (July to Oct.)	@	\$0.11225 /kWh
Winter (Nov-Jun)	@	\$0.09672 /kWh	Winter (Nov-Jun)	@	\$0.10125 /kWh
Energy Cost Adjustment	@	(\$0.00185) /kWh	Energy Cost Adjustment	@	/kWh
<u>Irrigation Service (09-IP-I)</u>			<u>Irrigation Service (12-IP-I)</u>		
Demand Charge per horsepower contracted			Demand Charge per horsepower contracted		
per year	@	\$34.00 /HP/yr.	per year	@	\$37.30 /HP/yr.
Delivery Charge			Delivery Charge		
Summer - (July to Oct.)	@	\$0.08034 /kWh	Summer - (July to Oct.)	@	\$0.08600 /kWh
Winter (Nov-Jun)	@	\$0.07034 /kWh	Winter (Nov-Jun)	@	\$0.07500 /kWh
Energy Cost Adjustment	@	(\$0.00185) /kWh	Energy Cost Adjustment	@	/kWh
<u>Temporary Service (09-CS)</u>			<u>Temporary Service (12-CS)</u>		
Delivery Charge	@	\$0.19030 /kWh	Delivery Charge	@	\$0.21738 /kWh
plus equipment service chg.			plus equipment service chg.		
Energy Cost Adjustment	@	(\$0.00185) /kWh	Energy Cost Adjustment	@	/kWh
<u>Private Area / Street Lighting (09-PAL-SL-I)</u>			<u>Private Area / Street Lighting (12-PAL-SL-I)</u>		
<u>Private Area Light (Coop owned)</u>			<u>Private Area Light (Coop owned)</u>		
On Existing Pole			On Existing Pole		
100 W P.A.L. Cust 0%	@	\$8.74 /mo.	100 W P.A.L. Cust 0%	@	\$10.49 /mo.
100 W P.A.L. Cust 100%	@	\$3.33 /mo.	100 W P.A.L. Cust 100%	@	\$3.94 /mo.
150 W P.A.L. Cust 0%	@	\$13.89 /mo.	150 W P.A.L. Cust 0%	@	\$16.68 /mo.
150 W P.A.L. Cust 100%	@	\$4.70 /mo.	150 W P.A.L. Cust 100%	@	\$5.55 /mo.
200 W P.A.L. Cust 0%	@	\$15.63 /mo.	200 W P.A.L. Cust 0%	@	\$18.74 /mo.
200 W P.A.L. Cust 50%	@	\$10.63 /mo.	200 W P.A.L. Cust 50%	@	\$12.69 /mo.
200 W P.A.L. Cust 100%	@	\$5.85 /mo.	200 W P.A.L. Cust 100%	@	\$6.90 /mo.
On New Pole (Wood)			On New Pole (Wood)		
100 W P.A.L. Cust 0%	@	\$14.55 /mo.	100 W P.A.L. Cust 0%	@	\$17.52 /mo.
100 W P.A.L. Cust 100%	@	\$3.71 /mo.	100 W P.A.L. Cust 100%	@	\$4.40 /mo.
150 W P.A.L. Cust 0%	@	\$16.19 /mo.	150 W P.A.L. Cust 0%	@	\$19.46 /mo.
150 W P.A.L. Cust 100%	@	\$4.84 /mo.	150 W P.A.L. Cust 100%	@	\$5.72 /mo.
200 W P.A.L. Cust 0%	@	\$17.38 /mo.	200 W P.A.L. Cust 0%	@	\$20.85 /mo.
200 W P.A.L. Cust 100%	@	\$5.96 /mo.	200 W P.A.L. Cust 100%	@	\$7.03 /mo.

Comparison of
Present and Settlement Rate Schedules

<u>Present Rates</u>				<u>Settlement Rates</u>			
<u>Private Area / Street Lighting (09-PAL-SL-I)</u>				<u>Private Area / Street Lighting (12-PAL-SL-I)</u>			
Continued				Continued			
<u>Flood Lights</u>				<u>Flood Lights</u>			
On Existing Pole				On Existing Pole			
150 W Flood Cust 0%	@	\$16.44	/mo.	150 W Flood Cust 0%	@	\$19.76	/mo.
150 W Flood Cust 100%	@	\$4.86	/mo.	150 W Flood Cust 100%	@	\$5.75	/mo.
400 W Flood Cust 0%	@	\$30.19	/mo.	400 W Flood Cust 0%	@	\$36.18	/mo.
400 W Flood Cust 50%	@	\$20.34	/mo.	400 W Flood Cust 50%	@	\$24.26	/mo.
400 W Flood Cust 100%	@	\$10.96	/mo.	400 W Flood Cust 100%	@	\$12.91	/mo.
1000 W Flood M.H. Cust 0%	@	\$44.56	/mo.	1000 W Flood M.H. Cust 0%	@	\$53.03	/mo.
1000 W Flood M.H. Cust 100'	@	\$25.88	/mo.	1000 W Flood M.H. Cust 100'	@	\$30.42	/mo.
On New Pole (Wood)				On New Pole (Wood)			
150 W P.A.L. Cust 0%	@	\$18.56	/mo.	150 W P.A.L. Cust 0%	@	\$22.33	/mo.
150 W P.A.L. Cust 100%	@	\$5.02	/mo.	150 W P.A.L. Cust 100%	@	\$5.94	/mo.
400 W P.A.L. Cust 0%	@	\$32.28	/mo.	400 W P.A.L. Cust 0%	@	\$38.71	/mo.
400 W P.A.L. Cust 100%	@	\$11.10	/mo.	400 W P.A.L. Cust 100%	@	\$13.08	/mo.
1000 W Flood M.H. Cust 0%	@	\$60.49	/mo.	1000 W Flood M.H. Cust 0%	@	\$72.31	/mo.
1000 W Flood M.H. Cust 100'	@	\$24.95	/mo.	1000 W Flood M.H. Cust 100'	@	\$29.30	/mo.
<u>Street Lights</u>				<u>Street Lights</u>			
On Existing Pole				On Existing Pole			
100 W P.A.L. Cust 0%	@	\$9.69	/mo.	100 W P.A.L. Cust 0%	@	\$11.64	/mo.
100 W P.A.L. Cust 100%	@	\$3.40	/mo.	100 W P.A.L. Cust 100%	@	\$4.03	/mo.
150 W P.A.L. Cust 0%	@	\$11.44	/mo.	150 W P.A.L. Cust 0%	@	\$13.71	/mo.
150 W P.A.L. Cust 100%	@	\$4.53	/mo.	150 W P.A.L. Cust 100%	@	\$5.35	/mo.
200 W P.A.L. Cust 0%	@	\$14.07	/mo.	200 W P.A.L. Cust 0%	@	\$16.85	/mo.
200 W P.A.L. Cust 100%	@	\$5.74	/mo.	200 W P.A.L. Cust 100%	@	\$6.77	/mo.
On New Pole (Wood)				On New Pole (Wood)			
100 W P.A.L. Cust 0%	@	\$14.55	/mo.	100 W P.A.L. Cust 0%	@	\$17.52	/mo.
100 W P.A.L. Cust 100%	@	\$3.71	/mo.	100 W P.A.L. Cust 100%	@	\$4.40	/mo.
150 W P.A.L. Cust 0%	@	\$16.19	/mo.	150 W P.A.L. Cust 0%	@	\$19.46	/mo.
150 W P.A.L. Cust 100%	@	\$4.84	/mo.	150 W P.A.L. Cust 100%	@	\$5.72	/mo.
200 W P.A.L. Cust 0%	@	\$17.38	/mo.	200 W P.A.L. Cust 0%	@	\$20.85	/mo.
200 W P.A.L. Cust 100%	@	\$5.96	/mo.	200 W P.A.L. Cust 100%	@	\$7.03	/mo.
On Existing Pole				On Existing Pole			
100 W Cobra Head Cust 0%	@	\$9.69	/mo.	100 W Cobra Head Cust 0%	@	\$11.64	/mo.
100 W Cobra Head Cust 100%	@	\$3.40	/mo.	100 W Cobra Head Cust 100%	@	\$4.03	/mo.
150 W Cobra Head Cust 0%	@	\$11.44	/mo.	150 W Cobra Head Cust 0%	@	\$13.71	/mo.
150 W Cobra Head Cust 100%	@	\$4.53	/mo.	150 W Cobra Head Cust 100%	@	\$5.35	/mo.
200 W Cobra Head Cust 0%	@	\$14.07	/mo.	200 W Cobra Head Cust 0%	@	\$16.85	/mo.
200 W Cobra Head Cust 100%	@	\$5.74	/mo.	200 W Cobra Head Cust 100%	@	\$6.77	/mo.
250 W Cobra Head Cust 0%	@	\$15.45	/mo.	250 W Cobra Head Cust 0%	@	\$18.47	/mo.
250 W Cobra Head Cust 100%	@	\$6.87	/mo.	250 W Cobra Head Cust 100%	@	\$8.09	/mo.
400 W Cobra Head Cust 0%	@	\$18.84	/mo.	400 W Cobra Head Cust 0%	@	\$22.44	/mo.
400 W Cobra Head Cust 100%	@	\$10.20	/mo.	400 W Cobra Head Cust 100%	@	\$11.99	/mo.

Comparison of
Present and Settlement Rate Schedules

<u>Present Rates</u>			<u>Settlement Rates</u>		
<u>Private Area / Street Lighting (09-PAL-SL-I)</u>			<u>Private Area / Street Lighting (12-PAL-SL-I)</u>		
Continued			Continued		
<u>Flood Lights</u>			<u>Flood Lights</u>		
On New Pole (Wood)			On New Pole (Wood)		
100 W Cobra Head Cust 0% @	\$17.01	/mo.	100 W Cobra Head Cust 0% @	\$20.50	/mo.
100 W Cobra Head Cust 100% @	\$3.87	/mo.	100 W Cobra Head Cust 100% @	\$4.59	/mo.
150 W Cobra Head Cust 0% @	\$18.32	/mo.	150 W Cobra Head Cust 0% @	\$22.04	/mo.
150 W Cobra Head Cust 100% @	\$5.00	/mo.	150 W Cobra Head Cust 100% @	\$5.92	/mo.
200 W Cobra Head Cust 0% @	\$19.18	/mo.	200 W Cobra Head Cust 0% @	\$23.03	/mo.
200 W Cobra Head Cust 100% @	\$6.09	/mo.	200 W Cobra Head Cust 100% @	\$7.19	/mo.
250 W Cobra Head Cust 0% @	\$21.32	/mo.	250 W Cobra Head Cust 0% @	\$25.58	/mo.
250 W Cobra Head Cust 100% @	\$7.60	/mo.	250 W Cobra Head Cust 100% @	\$8.97	/mo.
400 W Cobra Head Cust 0% @	\$24.72	/mo.	400 W Cobra Head Cust 0% @	\$29.56	/mo.
400 W Cobra Head Cust 100% @	\$10.92	/mo.	400 W Cobra Head Cust 100% @	\$12.86	/mo.
On New Pole (Steel)			On New Pole (Steel)		
100 W Cobra Head Cust 0% @	\$26.53	/mo.	100 W Cobra Head Cust 0% @	\$32.02	/mo.
100 W Cobra Head Cust 100% @	\$4.52	/mo.	100 W Cobra Head Cust 100% @	\$5.38	/mo.
150 W Cobra Head Cust 0% @	\$27.83	/mo.	150 W Cobra Head Cust 0% @	\$33.55	/mo.
150 W Cobra Head Cust 100% @	\$5.63	/mo.	150 W Cobra Head Cust 100% @	\$6.68	/mo.
200 W Cobra Head Cust 0% @	\$29.40	/mo.	200 W Cobra Head Cust 0% @	\$35.40	/mo.
200 W Cobra Head Cust 100% @	\$6.76	/mo.	200 W Cobra Head Cust 100% @	\$8.00	/mo.
250 W Cobra Head Cust 0% @	\$32.80	/mo.	250 W Cobra Head Cust 0% @	\$39.47	/mo.
250 W Cobra Head Cust 100% @	\$8.03	/mo.	250 W Cobra Head Cust 100% @	\$9.49	/mo.
400 W Cobra Head Cust 0% @	\$36.16	/mo.	400 W Cobra Head Cust 0% @	\$43.40	/mo.
400 W Cobra Head Cust 100% @	\$11.34	/mo.	400 W Cobra Head Cust 100% @	\$13.37	/mo.
Energy Cost Adjustment @	(\$0.00185)	/kWh	Energy Cost Adjustment @		/kWh
<u>Security (Decorative) Lighting Service (09-DOL-I)</u>			<u>Security (Decorative) Lighting Service (12-DOL-I)</u>		
Coop Owned			Coop Owned		
Continued			Continued		
<u>Acorn</u>			<u>Acorn</u>		
35 W HPS Cust 0% @	\$19.94	/mo.	35 W HPS Cust 0% @	\$24.10	/mo.
35 W HPS Cust 100% @	\$2.90	/mo.	35 W HPS Cust 100% @	\$3.48	/mo.
100 W HPS Cust 0% @	\$29.14	/mo.	100 W HPS Cust 0% @	\$35.18	/mo.
100 W HPS Cust 50% @	\$16.75	/mo.	100 W HPS Cust 50% @	\$20.18	/mo.
100 W HPS Cust 100% @	\$4.92	/mo.	100 W HPS Cust 100% @	\$5.86	/mo.
250 W HPS Cust 0% @	\$33.99	/mo.	250 W HPS Cust 0% @	\$40.91	/mo.
250 W HPS Cust 100% @	\$8.37	/mo.	250 W HPS Cust 100% @	\$9.91	/mo.

**Comparison of
Present and Settlement Rate Schedules**

<u>Present Rates</u>				<u>Settlement Rates</u>			
<u>Security (Decorative) Lighting Service (09-DOL-I)</u>				<u>Security (Decorative) Lighting Service (12-DOL-I)</u>			
<u>Coop Owned</u>				<u>Coop Owned</u>			
<u>Single Globe</u>				<u>Single Globe</u>			
35 W HPS	Cust 0%	@	\$15.40 /mo.	35 W HPS	Cust 0%	@	\$18.61 /mo.
35 W HPS	Cust 100%	@	\$2.59 /mo.	35 W HPS	Cust 100%	@	\$3.10 /mo.
70 W HPS	Cust 0%	@	\$25.36 /mo.	70 W HPS	Cust 0%	@	\$30.63 /mo.
70 W HPS	Cust 100%	@	\$4.02 /mo.	70 W HPS	Cust 100%	@	\$4.80 /mo.
100 W HPS	Cust 0%	@	\$26.27 /mo.	100 W HPS	Cust 0%	@	\$31.70 /mo.
100 W HPS	Cust 100%	@	\$4.73 /mo.	100 W HPS	Cust 100%	@	\$5.63 /mo.
150 W HPS	Cust 0%	@	\$27.57 /mo.	150 W HPS	Cust 0%	@	\$33.23 /mo.
150 W HPS	Cust 100%	@	\$5.85 /mo.	150 W HPS	Cust 100%	@	\$6.95 /mo.
<u>Multi Globe</u>				<u>Multi Globe</u>			
70 W HPS	Cust 0%	@	\$67.08 /mo.	70 W HPS	Cust 0%	@	\$80.87 /mo.
70 W HPS	Cust 100%	@	\$13.47 /mo.	70 W HPS	Cust 100%	@	\$15.99 /mo.
100 W HPS	Cust 0%	@	\$71.52 /mo.	100 W HPS	Cust 0%	@	\$86.11 /mo.
100 W HPS	Cust 100%	@	\$16.92 /mo.	100 W HPS	Cust 100%	@	\$20.03 /mo.
150 W HPS	Cust 0%	@	\$78.16 /mo.	150 W HPS	Cust 0%	@	\$93.92 /mo.
150 W HPS	Cust 100%	@	\$22.56 /mo.	150 W HPS	Cust 100%	@	\$26.63 /mo.
<u>Lantern</u>				<u>Lantern</u>			
35 W HPS	Cust 0%	@	\$17.98 /mo.	35 W HPS	Cust 0%	@	\$21.73 /mo.
35 W HPS	Cust 100%	@	\$2.78 /mo.	35 W HPS	Cust 100%	@	\$3.33 /mo.
100 W HPS	Cust 0%	@	\$31.47 /mo.	100 W HPS	Cust 0%	@	\$38.00 /mo.
100 W HPS	Cust 100%	@	\$5.06 /mo.	100 W HPS	Cust 100%	@	\$6.03 /mo.
250 W HPS	Cust 0%	@	\$36.07 /mo.	250 W HPS	Cust 0%	@	\$43.43 /mo.
250 W HPS	Cust 100%	@	\$8.50 /mo.	250 W HPS	Cust 100%	@	\$10.06 /mo.
<u>Shoebox</u>				<u>Shoebox</u>			
100 W HPS	Cust 0%	@	\$36.77 /mo.	100 W HPS	Cust 0%	@	\$44.41 /mo.
100 W HPS	Cust 100%	@	\$5.41 /mo.	100 W HPS	Cust 100%	@	\$6.46 /mo.
250 W HPS	Cust 0%	@	\$41.24 /mo.	250 W HPS	Cust 0%	@	\$49.69 /mo.
250 W HPS	Cust 100%	@	\$8.85 /mo.	250 W HPS	Cust 100%	@	\$10.49 /mo.
400 W HPS	Cust 0%	@	\$45.26 /mo.	400 W HPS	Cust 0%	@	\$54.42 /mo.
400 W HPS	Cust 100%	@	\$12.44 /mo.	400 W HPS	Cust 100%	@	\$14.70 /mo.
800 W HPS	Cust 0%	@	\$62.67 /mo.	800 W HPS	Cust 0%	@	\$75.13 /mo.
800 W HPS	Cust 100%	@	\$22.31 /mo.	800 W HPS	Cust 100%	@	\$26.29 /mo.
<u>Vapor Street Lighting Ornamental Service (09-OSL-V-I)</u>				<u>Vapor Street Lighting Ornamental Service (12-OSL-V-I)</u>			
175 W MV		@	\$10.71 /mo.	175 W MV		@	\$12.82 /mo.
250 W MV		@	\$12.99 /mo.	250 W MV		@	\$15.51 /mo.
400 W MV		@	\$17.22 /mo.	400 W MV		@	\$20.50 /mo.
100 W HPS		@	\$9.69 /mo.	100 W HPS		@	\$11.64 /mo.
150 W HPS		@	\$11.44 /mo.	150 W HPS		@	\$13.71 /mo.
200 W HPS		@	\$14.07 /mo.	200 W HPS		@	\$16.85 /mo.

Comparison of
Present and Settlement Rate Schedules

<u>Present Rates</u>			<u>Settlement Rates</u>		
<u>Controlled Private Area Lighting (04-PAL-D) Frozen</u>			<u>Controlled Private Area Lighting (12-PAL-D) Frozen</u>		
175 W MV	@	\$9.76 /mo.	175 W MV	@	\$11.67 /mo.
400 W MV	@	\$18.79 /mo.	400 W MV	@	\$22.40 /mo.
400 W MV (Flood)	@	\$20.49 /mo.	400 W MV (Flood)	@	\$24.46 /mo.
1000 W MV (Flood)	@	\$38.84 /mo.	1000 W MV (Flood)	@	\$46.21 /mo.
100 W HPS	@	\$8.74 /mo.	100 W HPS	@	\$10.49 /mo.
200 W HPS	@	\$15.63 /mo.	200 W HPS	@	\$18.74 /mo.
150 W HPS (Flood)	@	\$16.44 /mo.	150 W HPS (Flood)	@	\$19.76 /mo.
400 W HPS (Flood)	@	\$30.19 /mo.	400 W HPS (Flood)	@	\$36.18 /mo.
<u>Street Lighting Service Dusk to Dawn (04-SL-D)</u>			<u>Street Lighting Service Dusk to Dawn (12-SL-D)</u>		
Inc 1000 lumen lamps	@	\$4.40 /mo.	Inc 1000 lumen lamps	@	\$5.18 /mo.
MV 7000 lumen lamps	@	\$10.26 /mo.	MV 7000 lumen lamps	@	\$12.28 /mo.
<u>Local Access Charge (09-LAC)</u>			<u>Local Access Charge (12-LAC)</u>		
Demand Charge	@	\$2.03 /mo.	Demand Charge	@	\$2.67 /mo.

STATE OF KANSAS
BEFORE THE KANSAS CORPORATION COMMISSION

Application for Revised Rates, Tariffs, and Rate Design Changes

of

Mid-Kansas Electric Company, LLC

Docket No. 12-MKEE-380-RTS

May 9, 2012

**PREFILED REBUTTAL TESTIMONY
RICHARD J. MACKE
VICE PRESIDENT, ECONOMICS, RATES, AND BUSINESS PLANNING
POWER SYSTEM ENGINEERING, INC.**

**ON BEHALF OF
MID-KANSAS ELECTRIC COMPANY, LLC**

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Exhibit RJM-18 - Kentucky Statute, Regulation, and Pass-Through Example	
Exhibit RJM-19 - KEPCo Response to Mid-Kansas Data Request No. 16	
Exhibit RJM-20 - Staff Response to Mid-Kansas Data Request No. 10	

**RJM-14 - Retail Class Cost of
Service**

Cost of Service Summary
Revenue Requirements Summary - BUNDLED

Line No.	Description	Total	Residential (04-RS)	Residential W/Space Heat (04-RS)	GS Small (04-GSS)	GS Large (04-GSL)	GS Large W/Space Heat (04-Rider 1)	Industrial (04-IS)	Municipal Power (04-M-I)	Water Pumping (04-WP)	Irrigation (04-IP-I)	Temp Service (04-CS)	Lighting 'AL-SL-I, DOL (PAL-I, SL-I)
1	Revenue Requirements												
2	Revenue Requirements	39,313,593	15,876,898	1,024,273	2,413,153	15,275,419	575,867	2,018,462	247,955	619,698	204,545	7,631	1,049,690
3													
4	Present Rates												
5	Revenue-Present Rates	33,182,966	13,418,928	795,774	1,614,857	13,325,660	490,525	1,818,321	175,112	569,742	183,388	7,542	783,116
6	Revenue Credits	478,806	193,625	11,482	23,301	192,279	7,078	26,237	2,527	8,221	2,646	109	11,300
7		33,661,771	13,612,554	807,256	1,638,158	13,517,940	497,603	1,844,558	177,639	577,963	186,034	7,651	794,415
8													
9	Required Incr./(Decr)	5,651,821	2,264,344	217,017	774,995	1,757,479	78,263	173,905	70,316	41,735	18,511	(20)	255,274
10	Percent	17.03%	16.87%	27.27%	47.99%	13.19%	15.96%	9.56%	40.16%	7.33%	10.09%	(0.27%)	32.60%
11													

Cost of Service Summary
Class Allocation Summary - BUNDLED

Line No.	Category	Total	Residential (04-RS)	Residential W/Space Heat (04-RS)	GS Small (04-GSS)	GS Large (04-GSL)	GS Large W/Space Heat (04-Rider 1)	Industrial (04-IS)	Municipal Power (04-M-1)	Water Pumping (04-WP)	Irrigation (04-IP-1)	Temp Service (04-CS)	Lighting 'AL-SL-L, DOL (PAL-L, SL-L)
19	Power Supply												
20	Direct												
21	Wholesale Cost												
22	Allocated Cost												
23	Subtotal												
24	Capacity Related												
25	Wholesale Cost	5,715,350	2,103,079	138,435	277,992	2,600,525	79,245	306,115	31,432	85,273	30,196	1,749	61,308
26	Allocated Cost												
27	Subtotal	5,715,350	2,103,079	138,435	277,992	2,600,525	79,245	306,115	31,432	85,273	30,196	1,749	61,308
28	Energy Related												
29	Wholesale Cost	15,680,584	6,098,307	404,931	757,172	6,485,958	278,894	974,134	88,389	282,503	81,710	2,020	226,566
30	Allocated Cost												
31	Subtotal	15,680,584	6,098,307	404,931	757,172	6,485,958	278,894	974,134	88,389	282,503	81,710	2,020	226,566
32	Sub. Power Supply	21,395,934	8,201,386	543,365	1,035,164	9,086,483	358,139	1,280,249	119,821	367,776	111,907	3,769	287,875
33	Transmission												
34	Direct												
35	Capacity	900,579	337,988	22,328	43,566	393,989	13,850	51,159	4,989	14,504	4,720	212	13,273
36	Energy												
37	Allocated Cost												
38	Sub. Transmission	900,579	337,988	22,328	43,566	393,989	13,850	51,159	4,989	14,504	4,720	212	13,273
39	Distribution												
40	Direct	511,785											511,785
41	Consumer	3,396,060	2,087,396	116,819	680,845	396,358	13,527	3,430	48,972	23,320	9,718	512	15,164
42	Capacity	13,109,234	5,250,128	341,761	653,578	5,398,588	190,351	683,624	74,174	214,098	78,200	3,138	221,593
43	Energy												
44	Sub. Distribution	17,017,079	7,337,524	458,580	1,334,423	5,794,946	203,877	687,054	123,145	237,418	87,919	3,650	748,542
45													
46	Total	15,876,898	1,024,273	2,413,153	15,275,419	575,867	2,018,462	247,955	619,698	204,545	7,631	1,049,690	

Cost of Service Summary
Rate Design Factors - BUNDLED

Line No.	Category	Units	Total	Residential (04-RS)	Residential W/Space Heat (04-RS)	GS Small (04-GSS)	GS Large (04-GSL)	GS Large W/Space Heat (04-Rider 1)	Industrial (04-IS)	Municipal Power (04-M-1)	Water Pumping (04-WP)	Irrigation (04-IP-1)	Temp Service (04-CS)	Lighting (PAL-SL, DOL (PAL-L, SL-L))	
47	Costs Broken Down by Function														
48	Power Supply														
49	Direct														
50	Wholesale Cost	\$/Mo./cons													
51	Allocated Cost	\$/Mo./cons													
52	Subtotal														
53	Capacity Related														
54	Wholesale Cost	¢/kWh	1.84	1.74	1.73	1.85	2.02	1.43	1.59	1.80	1.52	1.87	4.37	1.37	
55	Allocated Cost	¢/kWh													
56	Subtotal	¢/kWh	1.84	1.74	1.73	1.85	2.02	1.43	1.59	1.80	1.52	1.87	4.37	1.37	
57	Energy Related														
58	Wholesale Cost	¢/kWh	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	
59	Allocated Cost	¢/kWh													
60	Subtotal	¢/kWh	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	
61	Sub. Power Supply	¢/kWh	6.89	6.79	6.77	6.90	7.07	6.48	6.63	6.84	6.57	6.91	9.42	6.41	
62	Transmission														
63	Direct	¢/kWh													
64	Capacity	¢/kWh	0.29	0.28	0.28	0.29	0.31	0.25	0.27	0.28	0.26	0.29	0.53	0.30	
65	Energy	¢/kWh													
66	Allocated Cost	¢/kWh													
67	Sub. Transmission	¢/kWh	0.29	0.28	0.28	0.29	0.31	0.25	0.27	0.28	0.26	0.29	0.53	0.30	
68	Distribution														
69	Direct	\$/Mo./cons	1.98											9.59	
70	Consumer	\$/Mo./cons	13.17	14.21	14.21	22.13	26.21	26.21	35.73	27.76	27.76	35.73	14.21	0.28	
71	Capacity	¢/kWh	4.22	4.35	4.26	4.36	4.20	3.45	3.54	4.24	3.83	4.83	7.84	4.94	
72	Energy	¢/kWh													
73	Sub. Distribution	¢/kWh	5.48	6.07	5.72	8.90	4.51	3.69	3.56	7.03	4.24	5.43	9.12	16.68	
74	Total	¢/kWh		13.14	12.77	16.09	11.89	10.42	10.46	14.16	11.07	12.64	19.07	23.39	
75	Costs Broken Down by Classification														
76	Direct	\$/Mo./cons	1.98											9.59	
77	Consumer	\$/Mo./cons	13.17	14.21	14.21	22.13	26.21	26.21	35.73	27.76	27.76	35.73	14.21	0.28	
78	Capacity	¢/kWh	6.35	6.37	6.26	6.50	6.53	5.13	5.39	6.32	5.61	6.99	12.74	6.60	
79	Energy	¢/kWh	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	
80	Total			13.14	12.77	16.09	11.89	10.42	10.46	14.16	11.07	12.64	19.07	23.39	

Classification of Plant in Service -- BUNDLED

Line No.	Acct. No.	Description	Class. Factor	Total	Power Supply		Transmission		Dist. Substation Capacity	Primary Line Capacity	Line Transf.		Second & Serv. Cons.	Meter Cons.	Acct. & Serv. Cons.	Revenue
					Energy	Capacity	Energy	Capacity			Capacity	Cons.				
1		Intangible Plant														
2	301	Organization	PLNT													
3	302	Franchises and consents	PLNT													
4	303	Miscellaneous intangible plant	PLNT													
5	301-303	Subtotal														
6																
7		Production Plant														
8	310-346	Production Plant	PROD1													
9																
10		Transmission Plant														
11	350-359	Transmission Plant	TRAN1	15,251,790			15,251,790									
12																
13		Distribution Plant														
14	360	Land	LAND	40,521				40,521								
15	361	Structures	SUB	101,821				101,821								
16	362	Station	SUB	4,304,136				4,304,136								
17	363	Battery	SUB													
18	364	Poles, towers	PRI	9,786,607					9,786,607							
19	365	OH Cond	PRI	7,727,055					7,727,055							
20	366	UG Conduit	PRI													
21	367	UG Cond	PRI	2,093,998					2,093,998							
22	368	Transf	TRF	5,726,942						5,726,942						
23	369	Services	SERV	1,633,235								1,633,235				
24	370	Meters	MTR	3,989,855									3,989,855			
25	371	Cons Premise	ICON	297,550					297,550							
26	372	Leased Prop	LICON													
27	373	St. Light	STL	1,455,348												
28	360-373	Subtotal		37,156,168				4,446,478	19,905,210	5,726,042		1,633,235	3,989,855			
29																
30		General Plant														
31	389	Land & Land Rights	PLNT	140,161			40,790	11,892		53,235	15,314		4,368	10,671		
32	390	Structures and Improv.	PLNT	1,677,028			488,050	142,285		636,957	183,230		52,263	127,673		
33	391	Office Furniture & Equip.	PLNT	389,975			113,491	33,087		148,117	42,608		12,153	29,689		
34	392	Transportation & Equipment	PLNT	2,807,946			817,170	238,236		1,066,494	306,793		87,506	213,771		
35	393	Stores Equipment	PLNT	212,624			61,878	18,040		80,757	23,231		6,626	16,187		
36	394	Tool, Shop & Garage Equip.	PLNT	22,193			6,459	1,883		8,429	2,425		692	1,690		
37	395	Laboratory Equipment	PLNT	173,952			50,624	14,759		66,069	19,006		5,421	13,243		
38	396	Power Operated Equipment	PLNT													
39	397	Communication Equipment	PLNT	387,539			112,782	32,880		147,192	42,342		12,077	29,504		
40	398	Miscellaneous Equipment	PLNT	41,426			12,056	3,515		15,734	4,526		1,291	3,154		
41	399	Other tangible property	PLNT													
42	389-399	Subtotal		5,852,844			1,703,298	496,576		2,222,985	639,476		182,397	445,581		
43																
44		Total Plant		58,260,802			16,955,088	4,943,054		22,128,195	6,365,518		1,815,632	4,435,436		

Classification of Plant in Service -- BUNDLED

Line No.	Acct. No.	Description	Class. Factor	Total	Residential (04-RS) Direct	Residential W/Space Heat (04-RS) Direct	GS Small (04-GSS) Direct	GS Large (04-GSL) Direct	GS Large W/Space Heat (04-Rider 1) Direct	Industrial (04-IS) Direct	Municipal Power (04-M-1) Direct	Water Pumping (04-WP) Direct	Irrigation (04-IP-1) Direct	Temp Service (04-CS) Direct	Lighting AL-SL-L, DOL (PAL-L, SL-L) Direct
1		Intangible Plant													
2	301	Organization	PLNT												
3	302	Franchises and consents	PLNT												
4	303	Miscellaneous intangible plant	PLNT												
5	301-303	Subtotal													
6															
7		Production Plant													
8	310-346	Production Plant	PRODI												
9															
10		Transmission Plant													
11	350-359	Transmission Plant	TRAN1	15,251,790											
12															
13		Distribution Plant													
14	360	Land	LAND	40,521											
15	361	Structures	SLB	101,821											
16	362	Station	SLB	4,304,136											
17	363	Battery	SLB												
18	364	Poles, towers	PRI	5,786,607											
19	365	OH Cond	PRI	7,727,055											
20	366	UG Condua	PRI												
21	367	UG Cond	PRI	2,093,998											
22	368	Transf	TRF	5,726,042											
23	369	Services	SERV	1,633,235											
24	370	Meters	MTR	3,989,855											
25	371	Cons Premise	KCON	297,550											
26	372	Lensed Prop	LICON												
27	373	St. Light	STL	1,455,348											
28	360-373	Subtotal		37,156,168										1,455,348	
29														1,455,348	
30		General Plant													
31	389	Land & Land Rights	PLNT	140,161											
32	390	Structures and Improv.	PLNT	1,677,028											3,892
33	391	Office Furniture & Equip.	PLNT	389,975											46,570
34	392	Transportation & Equipment	PLNT	2,807,946											10,829
35	393	Stores Equipment	PLNT	212,624											77,976
36	394	Tool, Shop & Garage Equip.	PLNT	22,193											5,904
37	395	Laboratory Equipment	PLNT	173,952											616
38	396	Power Operated Equipment	PLNT												4,831
39	397	Communication Equipment	PLNT	387,539											
40	398	Miscellaneous Equipment	PLNT	41,426											10,762
41	399	Other tangible property	PLNT												1,150
42	389-399	Subtotal		5,852,844											
43															162,531
44		Total Plant		58,261,802											1,617,879

Classification of Revenue Requirements - BUNDLED

Line No.	Acct. No.	Description	Class. Factor	Total	Power Supply Energy	Power Supply Capacity	Transmission Energy	Transmission Capacity	Dist. Substation Capacity	Dist. Substation Cons.	Primary Line Capacity	Primary Line Cons.	Line Transf. Capacity	Line Transf. Cons.	Second. & Serv. Cons.	Meter Cons.	Acct. & Serv. Cons.	Revenue
1		Power Supply																
2		Production																
3	500-557	Fuel	FUEL															
4	500-557	Non-Fuel O&M - Demand	PRODI															
5	500-557	Non-Fuel O&M - Energy	PRODI															
6		Subtotal - Production																
7		Purchases																
8	555	Direct Assign. Chgs (Cr.)																
9	555	Substation Charges	SLB															
10	555	Demand Charges	PURKW-1	5,715,350		5,715,350												
11	555	Summer	PURKW-2															
12	555	Water	PURKW-3															
13	555	Other	PURKW-4															
14	555	Energy Charges	PURKWH-1	15,680,584	15,680,584													
15	555	On-Peak	PURKWH-2															
16	555	Off-Peak	PURKWH-3															
17	555	Revenue Related Charges	REV															
18		Subtotal - Purchases		21,395,934	15,680,584	5,715,350												
19	500-557	Total Power Supply		21,395,934	15,680,584	5,715,350												
20																		
21		Transmission																
22	560-573	Operation & Maintenance	TRAN1	451,527			451,527											
23	555	Transmission - G&T Charges	TRAN2					451,527										
24		Total Transmission		451,527			451,527											
25																		
26		Distribution		44,540														
27	580	Oper. Super & Eng.	EX1	216,130					32,457		173,725						5,272	
28	581	Load Dispatch	EX1															
29	582	Oper. Station	EX1	251,847					251,847									
30	583	Oper. OH Line	PRI	1,144,604							1,144,604							
31	584	Oper. LG Line	PRI	144,245							144,245							
32	585	Oper. St. Lighting	STL	36,283														
33	586	Oper. Meters	MTR	40,904													40,904	
34	587	Oper. Cons. Install	ICON	59,134							59,134							
35	588	Oper. Misc. Oper.	EX1	684,364					102,775		581,589						16,692	
36	589	Rents	EX1															
37	590	Main. Super. & Eng.	EX2	267,559					18,863		248,696		793				2,621	
38	591	Main. Structure	SLB															
39	592	Main. Station	SLB	60,933					60,933									
40	593	Main. OH Line	PRI	717,655							717,655							
41	594	Main. LG Line	PRI	30,141							30,141							
42	595	Main. Line Transf.	TRF	2,560									2,560					
43	596	Main. St. Lighting	STL	44,540														
44	597	Main. Meters	MTR	8,467													8,467	
45	598	Main. Misc. Dat.	EX2	169,549					11,953		157,596		502				1,661	
46	580-598	Subtotal		3,878,914					478,828		3,197,783		3,855				75,617	

Classification of Revenue Requirements - BUNDLED

Line No.	Acct. No.	Description	Class. Factor	Total	Residential	Residential	GS Small	GS Large	GS Large	Industrial	Municipal	Water	Irrigation	Temp	Lighting
					(04-R5) Direct	W/Space Heat (04-R5) Direct	(04-GSS) Direct	(04-GSL) Direct	W/Space Heat (04-Rider 1) Direct	(04-I5) Direct	Power (04-M-I) Direct	Pumping (04-WF) Direct	(04-IP-1) Direct	Service (04-CS) Direct	AL-SL-I, DOL (PAL-I, SL-I) Direct
1		Power Supply													
2		Production													
3	500-557	Fuel	FUEL												
4	500-557	Non-Fuel O&M - Demand	PRODI												
5	500-557	Non-Fuel O&M - Energy	PRODI												
6		Subtotal - Production													
7		Purchases													
8	555	Direct Assign. Chgs (Cr.)													
9	555	Substation Charges	SLB												
10	555	Demand Charges	PURKW-1	5,715,350											
11	555	Summer	PURKW-2												
12	555	Water	PURKW-3												
13	555	Other	PURKW-4												
14	555	Energy Charges	PURKWH-1	15,680,584											
15	555	On-Peak	PURKWH-2												
16	555	Off-Peak	PURKWH-3												
17	555	Revenue Related Charges	REV												
18		Subtotal - Purchases		21,395,934											
19	500-557	Total Power Supply		21,395,934											
20															
21		Transmission													
22	560-573	Operation & Maintenance	TRAN1	451,527											
23	555	Transmission - G&T Charges	TRAN2												
24		Total Transmission		451,527											
25															
26		Distribution		44,540											
27	580	Oper. Super & Eng.	EX1	216,130											4,676
28	581	Load Dispatch	EX1												
29	582	Oper. Station	SLB	251,847											
30	583	Oper. OH Line	PRI	1,144,604											
31	584	Oper. UG Line	PRI	144,245											
32	585	Oper. St. Lighting	STL	36,283											36,283
33	586	Oper. Meters	MTR	40,904											
34	587	Oper. Cons. Install	ICON	59,134											
35	588	Oper. Misc. Oper.	EX1	684,364											14,806
36	589	Rents	EX1												
37	590	Main. Super. & Eng.	EX2	267,559											13,788
38	591	Main. Structure	SLB												
39	592	Main. Station	SLB	60,933											
40	593	Main. OH Line	PRI	717,655											
41	594	Main. UG Line	PRI	30,141											
42	595	Main. Line Transf.	TRF	2,560											
43	596	Main. St. Lighting	STL	44,540											44,540
44	597	Main. Meters	MTR	8,467											
45	598	Main. Misc. Dist.	EX2	169,549											8,737
46	580-598	Subtotal		3,878,914											122,831

Classification of Revenue Requirements – BUNDLED
(Continued)

Line No.	Acct. No.	Description	Class. Factor	Total	Power Supply		Transmission		Dist. Substation		Primary Line		Line Transf.		Second. & Serv. Cons.	Meter Cons.	Acct. & Serv. Cons.	Revenue
					Energy	Capacity	Energy	Capacity	Capacity	Cons.	Capacity	Cons.	Capacity	Cons.				
47		Consumer Acct., Service & Sales																
48		Consumer Accounting																
49	901	Supervision	CACC															
50	902	Meter Reading Expense	CACC	186,808													186,808	
51	903	Records & Collections	CACC	1,121,008													1,121,008	
52	904	Uncollectible Accounts	CACC	117,781													117,781	
53	905	Misc. Customer Account	CACC	23,244													23,244	
54		Subtotal		1,448,841													1,448,841	
55																		
56		Consumer Service & Info.																
57	907	Supervision	CS															
58	908	Customer Assistance	CS	24,652													24,652	
59	909	Info. & Instruction	CS															
60	910	Misc. Cust Serv. & Info	CS	14,029													14,029	
61		Subtotal		38,681													38,681	
62																		
63		Sales																
64	911	Supervision	SALES															
65	912	Demonstrating & Selling	SALES	7,461													7,461	
66	913	Advertising	SALES	154													154	
67	916	Misc. Sales	SALES															
68		Subtotal		7,615													7,615	
69																		
70		Prorated Operating Expenses																
71	920-	Administrative & General																
72	932	Power Supply	EX6-PS															
73		Transmission	EX6-TR															
74		Distribution	EX6-D	1,255,619				111,876		747,146		901			17,667		349,331	
75		Subtotal - A&G		1,255,619				111,876		747,146		901			17,667		349,331	
76																		
77	408	Other Taxes																
78		Power Supply	EX6-PS															
79		Transmission	EX6-TR															
80		Distribution	REV	1,054,289													1,054,289	
81		Subtotal - Other Taxes		1,054,289													1,054,289	
82																		
83	421-	Miscellaneous Expense																
84	426,431	Power Supply	EX6-PS															
85		Transmission	EX6-TR															
86		Distribution	EX6-D	325,399				28,993		193,626		233			4,579		90,530	
87		Subtotal - Misc. Expense		325,399				28,993		193,626		233			4,579		90,530	

Classification of Revenue Requirements – BUNDLED
(Continued)

Line No.	Acct. No.	Description	Class. Factor	Total	Residential		GS Small		GS Large		Industrial (04-IS)	Municipal Power (04-M-I)	Water Pumping (04-WP)	Irrigation (04-IP-I)	Temp Service (04-CS)	Lighting (PAL-L, SL-I)
					(04-RS) Direct	(04-RS) Direct	(04-GSS) Direct	(04-GSL) Direct	(04-Rider 1) Direct							
47		<u>Consumer Acct. Service & Sales</u>														
48		Consumer Accounting														
49	901	Supervision	CACC													
50	902	Meter Reading Expense	CACC	186,808												
51	903	Records & Collections	CACC	1,121,008												
52	904	Uncollectible Accounts	CACC	117,781												
53	905	Misc. Customer Account	CACC	23,244												
54		Subtotal		1,448,841												
55																
56		<u>Consumer Service & Info.</u>														
57	907	Supervision	CS													
58	908	Customer Assistance	CS	24,652												
59	909	Info. & Instruction	CS													
60	910	Misc. Cust Serv. & Info	CS	14,029												
61		Subtotal		38,681												
62																
63		<u>Sales</u>														
64	911	Supervision	SALES													
65	912	Demonstrating & Selling	SALES	7,461												
66	913	Advertising	SALES	154												
67	916	Misc. Sales	SALES													
68		Subtotal		7,615												
69																
70		<u>Prorated Operating Expenses</u>														
71	920-	<u>Administrative & General</u>														
72	932	Power Supply	EX6-PS													
73		Transmission	EX6-TR													
74		Distribution	EX6-D	1,255,619												28,699
75		Subtotal - A&G		1,255,619												28,699
76																
77	408	<u>Other Taxes</u>														
78		Power Supply	EX6-PS													
79		Transmission	EX6-TR													
80		Distribution	REV	1,054,289	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
81		Subtotal - Other Taxes		1,054,289												
82																
83	421-	<u>Miscellaneous Expense</u>														
84	426,431	Power Supply	EX6-PS													
85		Transmission	EX6-TR													
86		Distribution	EX6-D	325,399												7,437
87		Subtotal - Misc. Expense		325,399												7,437

Classification of Revenue Requirements - BUNDLED
(Continued)

Line No.	Acct. No.	Description	Class. Factor	Total	Power Supply Energy	Power Supply Capacity	Transmission Energy	Transmission Capacity	Dist. Substation Capacity	Dist. Substation Cons.	Primary Line Capacity	Primary Line Cons.	Line Transf. Capacity	Line Transf. Cons.	Second. & Serv. Cons.	Meter Cons.	Acct. & Serv. Cons.	Revenue
88		<u>Fixed Charges</u>																
89	403-	Depreciation																
90	407	Power Supply	PROPLNT					449,053										
91		Transmission	TRNPLNT	449,053					153,921		689,047		198,215		56,537		138,114	
92		Distribution	DSTPLNT	1,286,213														
93		Subtotal - Depreciation		1,735,265			449,053		153,921		689,047		198,215		56,537		138,114	
94																		
95	408	Property Taxes																
96		Power Supply	REV															
97		Transmission	REV															
98		Distribution	REV															
99		Subtotal - Property Taxes																
100																		
101	427	Interest-LT																
102		Power Supply	PROPLNT															
103		Transmission	TRNPLNT					486,980		2,180,024		627,118		178,872		436,970		
104		Distribution	DSTPLNT	4,069,354														
105		Subtotal - Interest-LT		4,069,354				486,980		2,180,024		627,118		178,872		436,970		
106																		
107		Required Margin																
108		Power Supply	PROPLNT															
109		Transmission	TRNPLNT					437,053		1,956,523		562,824		160,534		392,171		
110		Distribution	DSTPLNT	3,652,155														
111		Subtotal - Required Margin		3,652,155				437,053		1,956,523		562,824		160,534		392,171		
112																		
113		<u>Summary of Revenue Requirements</u>																
114		Power Supply		21,395,934	15,680,584	5,715,350												
115		Transmission		900,579			900,579											
116		Distribution		17,017,079			1,697,651		8,964,148		1,303,146		395,943		1,065,118		1,934,999	1,054,289
117		Total Revenue Required		39,313,592	15,680,584	5,715,350	900,579	1,697,651	8,964,148		1,303,146		395,943		1,065,118		1,934,999	1,054,289

Classification of Revenue Requirements – BUNDLED
(Continued)

Line No.	Acct. No.	Description	Class. Factor	Total	Residential	Residential	GS Small	GS Large	GS Large	Industrial	Municipal	Water	Water	Temp	Lighting
					(04-RS)	W/Space Heat (04-RS)	(04-GSS)	(04-GSL)	W/Space Heat (04-Rider 1)	(04-IS)	(04-M-1)	Pumping (04-WP)	Irrigation (04-IP-1)	(04-CS)	AL-SL-I, DOL (PAL-I, SL-I)
88		Fixed Charges													
89	403-	Depreciation													
90	407	Power Supply	PROPLNT												
91		Transmission	TRNPLNT	449,653											
92		Distribution	DSTPLNT	1,286,213											50,379
93		Subtotal - Depreciation		1,735,265											50,379
94															
95	408	Property Taxes													
96		Power Supply	REV	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
97		Transmission	REV	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
98		Distribution	REV	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
99		Subtotal - Property Taxes													
100															
101	427	Interest-I/T													
102		Power Supply	PROPLNT												
103		Transmission	TRNPLNT												
104		Distribution	DSTPLNT	4,069,354											159,390
105		Subtotal - Interest-I/T		4,069,354											159,390
106															
107		Required Margin													
108		Power Supply	PROPLNT												
109		Transmission	TRNPLNT												
110		Distribution	DSTPLNT	3,652,155											143,049
111		Subtotal - Required Margin		3,652,155											143,049
112															
113		Summary of Revenue Requirements													
114		Power Supply		21,395,934											
115		Transmission		900,579											
116		Distribution		17,017,079											511,785
117		Total Revenue Required		39,313,592											511,785

**Schedule B
Adjusted Statement of Operations
and Revenue Requirements**

(a) Line No.	(b) Description	(c) Total System ¹	(d) Adjustment ²	(e) LAC Revenue Credits ³	(e) Adjusted System
		(\$)	(\$)		(\$)
	Operating Revenue				
1	Sales of Electricity	58,539,284	(24,552,257)	(804,061)	33,182,966
2	Other	478,806			478,806
3	Total Operating Revenue	59,018,090	(24,552,257)		33,661,771
	Operating Expenses				
5	Cost of Purchased Power				
6	Demand	11,126,832	(5,411,482)		5,715,350
7	Energy	34,391,285	(18,710,701)		15,680,584
8	Transmission - O & M	720,789	-	(269,262)	451,527
9	Distribution - Operation	2,649,188	(71,679)		2,577,509
10	Distribution - Maintenance	1,373,084	(71,679)		1,301,404
11	Consumer Accounts	1,448,841	-		1,448,841
12	Consumer Service & Information	38,681	-		38,681
13	Sales	7,615	-		7,615
14	Administrative & General	1,335,637	(71,679)	(8,338)	1,255,619
15	Depreciation & Amortization	1,940,041	(71,679)	(133,097)	1,735,265
16	Taxes - Property	-	-		-
17	Taxes - Other	1,054,289	-		1,054,289
18	Other Interest Expense	3,630	-		3,630
19	Other Deductions	353,372	-	(31,604)	321,769
20	Total Operating				
21	Term Interest)	56,443,284	(24,408,899)	(442,301)	31,592,084
22	Long Term Interest	4,547,758	(71,679)	(406,725)	4,069,354
23	Required Margin ⁴	4,158,136	(71,679)	(434,302)	3,652,155
24	Revenue Requirements	65,149,178	(24,552,257)	(1,283,329)	39,313,592

¹ See Exhibit RJM-2, page 1.

² See next page for calculation of adjustments for rates not included in the class cost of service analysis.

³ Credits related to revenue generated by the Local Access Rate developed in Exhibit RJM-5.

⁴ Required Net Operating Income less Long Term Interest.

Schedule B
Adjustment to Eliminate Revenue
and Expenses Associated with Non-Adjustable Rates

1. Revenue ¹	Present (\$)	Proposed (\$)
a. Real -Time Pricing (RTP)	= 82,550	= 82,550
b. Transmission Level Service (04-STR)	= 24,469,707	= 24,536,890
d. Total -- Revenue	= 24,552,257	= 24,619,440
2. Expenses		
a. Purchased Power Expenses ²		
Energy Charges:		
Real -Time Pricing (RTP)		
Energy 1,418,005 kWh x \$0.063403 /kWh	=	89,905
Transmission Level Service (04-STR)		
Energy 388,276,102 kWh x \$0.047958 /kWh	=	18,620,795
		Subtotal -- Energy Expenses 18,710,701
Demand Charges:		
Transmission Level Service (04-STR)		
OATT 600,440 kWh x \$2.72 /kWh	=	1,634,713
Demand 600,440 kW x \$6.29 /kW	=	3,776,769
		5,411,482
		Subtotal -- Demand Expenses 5,411,482
		Total -- Purchased Power Expenses 24,122,182
b. Distribution - Operation	=	71,679 ³
c. Distribution - Maintenance	=	71,679 ³
d. Administrative and General	=	71,679 ³
e. Depreciation	=	71,679 ³
f. Interest	=	71,679 ³
g. Margin Requirements	=	71,679 ³
h. Subtotal		430,075
i. Total -- Expenses		\$ 24,552,257

¹ From Exhibit RJM-2, Schedule A.

² From Exhibit RJM-2, Schedule B.

³ Split remainder of revenue approximately equal between Distribution Operation and Maintenance, Administration and General, Depreciation, Interest and Margin Requirements.

Summary of Classification Factors – BUNDLED

Line No.	Name	Description	Source	Total	Power Supply		Transmission		Dist. Substation		Primary Line		Line Transf.		Second.	Meter	Acct.	Revenue
					Energy	Cap.	Energy	Capacity	Cap.	Cons.	Cap.	Cons.	Cap.	Cons.	Cons.	Cons.	Cons.	
1	PROPLNT	Production Plant	Plant															
2	TRNPLNT	Transmission Plant	Plant	15,251,790			15,251,790											
3	DSTPLNT	Distribution Plant	Plant	37,156,168				4,446,478		19,905,210								
4	PLNT	Prod, Trans, Dist. Subtotal	Plant	52,407,958			15,251,790	4,446,478		19,905,210			5,726,042		1,633,235	3,989,855		
5	EX1	Assigned Dist. Main. Exp.	Rev Req	1,677,016					251,847									
6	EX2	Assigned Dist. Main. Exp.	Rev Req	864,296					60,933									
7	EX3	Dist. Oper. & Maint.	Rev Req	3,878,914					478,828									
8	EX4	Assigned O & M Exp.	Rev Req	27,221,512	15,680,584	5,715,350		451,527	478,828									
9	EX4-PS	Power Supply	Rev Req	21,393,934	15,680,584	5,715,350												
10	EX4-TR	Transmission	Rev Req	451,527				451,527										
11	EX4-D	Distribution	Rev Req	5,374,051					478,828									
12	EX5	Rev. Req. Less Margin	Rev Req	34,116,556	15,680,584	5,715,350		900,579	1,119,729									
13	EX5-PS	Power Supply	Rev Req	22,450,223	15,680,584	5,715,350												
14	EX5-TR	Transmission	Rev Req	900,579				900,579										
15	EX5-D	Distribution	Rev Req	10,765,753					1,119,729									

Summary of Classification Factors – BUNDLED

Line No.	Name	Description	Source	Total	Residential		GS Small		GS Large		Municipal		Water		Temp	
					(04-RS) Direct	(04-RS) W/Space Heat Direct	(04-GSS) Direct	(04-GSL) Direct	(04-Rider 1) W/Space Heat Direct	(04-IS) Direct	(04-M-I) Power Direct	(04-WP) Pumping Direct	(04-IP-I) Irrigation Direct	(04-CS) Service Direct		
<u>Classification Factor Data</u>																
1	PROPLNT	Production Plant	Plant													
2	TRNPLNT	Transmission Plant	Plant	15,251,790												
3	DSTPLNT	Distribution Plant	Plant	37,156,168												
4	PLNT	Prod, Trans, Dist. Subtotal	Plant	52,407,958												
5	EX1	Assigned Dist. Oper. Exp.	Rev Req	1,677,016												
6	EX2	Assigned Dist. Main. Exp.	Rev Req	864,296												
7	EX3	Dist. Oper. & Main.	Rev Req	3,878,914												
8	EX4	Assigned O & M Exp.	Rev Req	27,221,512												
9	EX4-PS	Power Supply	Rev Req	21,295,934												
10	EX4-TR	Transmission	Rev Req	451,527												
11	EX4-D	Distribution	Rev Req	5,374,051												
12	EX5	Rev. Req. Less Margin	Rev Req	34,116,556												
13	EX5-PS	Power Supply	Rev Req	22,450,223												
14	EX5-TR	Transmission	Rev Req	900,579												
15	EX5-D	Distribution	Rev Req	10,765,753												

Summary of Classification Factors - BUNDLED

Line No.	Name	Description	Source	Total	Power Supply Energy	Power Supply Cap.	Transmission Energy	Transmission Capacity	Dist. Substation Cap.	Dist. Substation Cons.	Primary Line Cap.	Primary Line Cons.	Line Transf. Cap.	Line Transf. Cons.	Second. & Serv. Cons.	Meter Cons.	Acct. & Serv. Cons.	Revenue	
16	Classification Factors																		
17	CACC	Consumer Accounting	Input	1.00000														1.00000	
18	CS	Customer Service	Input	1.00000														1.00000	
19	CS-PS	Cust. Service - Pwr. Supply	Input																
20	CS-TR	Cust. Service - Transmission	Input																
21	CS-D	Cust. Service - Distribution	Input	1.00000														1.00000	
22	SALES	Sales	Input	1.00000														1.00000	
23	SALES-PS	Sales - Power Supply	Input															1.00000	
24	SALES-TR	Sales - Transmission	Input																
25	SALES-D	Sales - Distribution	Input	1.00000														1.00000	
26	PROPLNT	Production Plant	Plant																
27	TRNPLNT	Transmission Plant	Plant	1.00000				1.00000											
28	DSTPLNT	Distribution Plant	Plant	1.00000															
29	PLNT	Prod. Trans. Dist. Subtotal	Plant						0.119670		0.535718		0.154107		0.043956	0.107381			
30	EX1	Assigned Dist. Oper. Exp.	Rev Req	1.00000			0.291020		0.084844		0.379813		0.109259		0.031164	0.076131			
31	EX2	Assigned Dist. Main. Exp.	Rev Req	1.00000					0.150175		0.803798							0.024391	
32	EX3	Dist. Oper. & Main. Exp.	Rev Req	1.00000					0.070500		0.865206							0.009796	
33	EX4	Assigned O & M Exp.	Rev Req	1.00000		0.576036		0.209957			0.824402		0.000994					0.019494	
34	EX4-PS	Power Supply	Rev Req	0.785994	0.576036	0.209957					0.117473		0.000142					0.002778	0.054925
35	EX4-TR	Transmission	Rev Req	0.016587				0.016587											
36	EX4-D	Distribution	Rev Req	0.197419					0.017590		0.117473		0.000142					0.002778	0.054925
37	EX5	Rev. Req. Less Margin	Rev Req	1.00000	0.459618	0.167524		0.026397		0.032821	0.177827		0.024305		0.006900	0.019073	0.043824	0.030903	0.030903
38	EX5-PS	Power Supply	Rev Req	0.658045	0.459618	0.167524													
39	EX5-TR	Transmission	Rev Req	0.026397				0.026397											
40	EX5-D	Distribution	Rev Req	0.315558					0.032821	0.177827			0.024305		0.006900	0.019073	0.043824	0.030903	0.030903
41	EX6	A&G Classification	Input	1.00000					0.089100		0.595041		0.000717					0.014071	0.278214
42	EX6-PS	Power Supply	Input																
43	EX6-TR	Transmission	Input																
44	EX6-D	Distribution	Input	1.00000					0.089100		0.595041		0.000717					0.014071	0.278214
45	FUEL	Fuel	Input																
46	ICON	Install Cons. Prem.	Input	1.00000							1.000000								
47	LAND	Land & Land Rights	Input	1.00000					1.000000										
48	LIGON	Leased Property	Input	1.00000							1.000000								
49	MTR	Meters	Input	1.00000												1.000000			
50	PRI	Primary Line	Input	1.00000							1.000000								
51	PROD1	Production Plant	Input																
52	PROD2	Production O & M	Input																
53	PURTR-1	Trans. Capacity	Input	1.00000				1.000000											
54	PURTR-2	Trans. Energy	Input	1.00000	1.000000														
55	PURKW-1	Purchased Power Capacity	Input	1.00000		1.000000													
56	PURKW-2	Summer	Input	1.00000		1.000000													
57	PURKW-3	Winter	Input	1.00000		1.000000													
58	PURKW-4	Other	Input	1.00000		1.000000													
59	PURKWH-1	Purchased Power Energy	Input	1.00000	1.000000														
60	PURKWH-2	On-Peak	Input	1.00000	1.000000														
61	PURKWH-3	Off-Peak	Input	1.00000	1.000000														
62	SERV	Services	Input	1.00000															
63	STL	Street Lighting	Input												1.000000				
64	SUB	Substation	Input	1.00000					1.000000										
65	TRAN1	Transmission Plant	Input	1.00000				1.000000											
66	TRAN2	Transmission Purchases	Input																
67	TRF	Line Transf.	Input	1.00000									1.000000						
68	REV	Revenue Related	Input	1.00000															
69	USER01	User Defined 01	Input																1.000000
70	USER02	User Defined 02	Input																
71	USER03	User Defined 03	Input																

Summary of Classification Factors - BUNDLED

Line No.	Name	Description	Source	Total	Residential	Residential	GS Small	GS Large	CS Large	Industrial	Municipal	Water	Temp
					(04-RS) Direct	W/Space Heat (04-RS) Direct	(04-GSS) Direct	(04-GSL) Direct	W/Space Heat (04-Rider 1) Direct	(04-IS) Direct	(04-M-J) Direct	Pumping (04-WP) Direct	Irrigation (04-IP-1) Direct
16	<u>Classification Factors</u>												
17	CACC	Consumer Accounting	Input	1.00000									
18	CS	Customer Service	Input	1.00000									
19	CS-PS	Cust. Service - Pwr. Supply	Input										
20	CS-TR	Cust. Service - Transmission	Input										
21	CS-D	Cust. Service - Distribution	Input	1.00000									
22	SALES	Sales	Input	1.00000									
23	SALES-PS	Sales - Power Supply	Input										
24	SALES-TR	Sales - Transmission	Input										
25	SALES-D	Sales - Distribution	Input	1.00000									
26	PROPLNT	Production Plant	Plant										
27	TRNPLNT	Transmission Plant	Plant	1.00000									
28	DSTPLNT	Distribution Plant	Plant	1.00000									
29	PLNT	Prod. Trans. Dist. Subtotal	Plant	1.00000									
30	EX1	Assigned Dist. Oper. Exp.	Rev Req	1.00000									
31	EX2	Assigned Dist. Main. Exp.	Rev Req	1.00000									
32	EX3	Dist. Oper. & Main.	Rev Req	1.00000									
33	EX4	Assigned O & M Exp.	Rev Req	1.00000									
34	EX4-PS	Power Supply	Rev Req	0.785994									
35	EX4-TR	Transmission	Rev Req	0.016587									
36	EX4-D	Distribution	Rev Req	0.197419									
37	EX5	Rev. Req. Less Margin	Rev Req	1.00000									
38	EX5-PS	Power Supply	Rev Req	0.658045									
39	EX5-TR	Transmission	Rev Req	0.026397									
40	EX5-D	Distribution	Rev Req	0.315558									
41	EX6	A&G Classification	Input	1.00000									
42	EX6-PS	Power Supply	Input										
43	EX6-TR	Transmission	Input										
44	EX6-D	Distribution	Input	1.00000									
45	FUEL	Fuel	Input										
46	ICON	Install Cons. Prem.	Input	1.00000									
47	LAND	Land & Land Rights	Input	1.00000									
48	LICON	Leased Property	Input	1.00000									
49	MTR	Meters	Input	1.00000									
50	PRI	Primary Line	Input	1.00000									
51	PROD1	Production Plant	Input										
52	PROD2	Production O & M	Input										
53	PURTR-1	Trans. Capacity	Input	1.00000									
54	PURTR-2	Trans. Energy	Input	1.00000									
55	PURKW-1	Purchased Power Capacity	Input	1.00000									
56	PURKW-2	Summer	Input	1.00000									
57	PURKW-3	Winter	Input	1.00000									
58	PURKW-4	Other	Input	1.00000									
59	PURKWH-1	Purchased Power Energy	Input	1.00000									
60	PURKWH-2	On-Peak	Input	1.00000									
61	PURKWH-3	Off-Peak	Input	1.00000									
62	SERV	Services	Input	1.00000									
63	STL	Street Lighting	Input										
64	SUB	Substation	Input	1.00000									
65	TRAN1	Transmission Plant	Input	1.00000									
66	TRAN2	Transmission Purchases	Input										
67	TRF	Line Transf.	Input	1.00000									
68	REV	Revenue Related	Input	1.00000									
69	USER01	User Defined 01	Input										
70	USER02	User Defined 02	Input										
71	USER03	User Defined 03	Input										

Summary of Allocation of Revenue Requirements to Rate Classes – BUNDLED

Line No.	Cost Classification	Alloc. Factor	Total	Residential		GS Small (04-GSS)	GS Large (04-GSL)	GS Large W/Space Heat (04-Rider 1)		Industrial (04-IS)	Municipal Power (04-M-I)	Water Pumping (04-WP)	Irrigation (04-IP-I)	Temp Service (04-CS)
				Residential (04-RS)	W/Space Heat (04-RS)			W/Space Heat	W/Space Heat					
1	Power Supply													
2	Wholesale Power													
3	Direct Assigned Charges (Credits)	Direct												
4	Demand Related	D7	5,715,350	2,103,079	138,435	277,992	2,600,525	79,245	306,115	31,432	85,273	30,196	1,749	
5	Demand Related - Summer	D4												
6	Demand Related - Winter	D5												
7	Demand Related - Other	D6												
8	Subtotal - Demand		5,715,350	2,103,079	138,435	277,992	2,600,525	79,245	306,115	31,432	85,273	30,196	1,749	
9	Energy Related	E1	15,680,584	6,098,307	404,931	757,172	6,485,958	278,894	974,134	88,389	282,503	81,710	2,020	
10	Energy Related - On-Peak	E2												
11	Energy Related - Off-Peak	E3												
12	Subtotal - Energy		15,680,584	6,098,307	404,931	757,172	6,485,958	278,894	974,134	88,389	282,503	81,710	2,020	
13	Revenue Related	R2												
14	Subtotal - Wholesale		21,395,934	8,201,386	543,365	1,035,164	9,086,483	358,139	1,280,249	119,821	367,776	111,907	3,769	
15	Allocated Overhead & Margin													
16	Direct Related	Direct												
17	Revenue Related	R2												
18	Demand Related	D7												
19	Energy Related	E1												
20	Subtotal - Allocated													
21	Subtotal - Power Supply		21,395,934	8,201,386	543,365	1,035,164	9,086,483	358,139	1,280,249	119,821	367,776	111,907	3,769	
22														
23	Transmission													
24	Direct Assigned	Direct												
25	Demand Related	D9	900,579	337,988	22,328	43,566	393,989	13,850	51,159	4,989	14,504	4,720	212	
26	Energy Related	E1												
27	Subtotal - Transmission		900,579	337,988	22,328	43,566	393,989	13,850	51,159	4,989	14,504	4,720	212	
28	Allocated Overhead & Margin													
29	Direct Related	Direct												
30	Revenue Related	R2												
31	Demand Related	D9												
32	Energy Related	E1												
33	Subtotal - Allocated													
34	Subtotal - Transmission		900,579	337,988	22,328	43,566	393,989	13,850	51,159	4,989	14,504	4,720	212	
35														
36	Distribution													
37	Power Supply	-Energy												
38	Dist. Sub.	-Capacity	1,697,651	637,130	42,089	82,125	742,696	26,109	96,439	9,405	27,341	8,898	399	
39	Dist. Sub.	-Consumer												
40	Primary Line	-Capacity	8,964,148	3,364,253	222,245	433,644	3,921,675	137,862	509,228	49,659	144,372	46,983	2,108	
41	Primary Line	-Consumer												
42	Line Transf.	-Capacity	1,393,146	776,189	55,145	85,888	361,834	14,900	30,802	10,239	24,230	15,855	286	
43	Line Transf.	-Consumer												
44	Sec. & Serv.	-Consumer	395,943	268,018	14,999	63,804	39,886	1,361	290	3,219	1,533	820	66	
45	Meter	-Consumer	1,065,118	436,880	24,450	327,439	214,155	7,308	2,237	29,149	13,881	6,337	107	
46	Acct. & Serv.	-Consumer	1,934,999	1,382,498	77,370	289,602	142,316	4,857	904	16,604	7,906	2,560	339	
47	Revenue Related	-Revenue	1,054,289	472,556	22,282	51,921	372,384	11,480	47,155	4,871	18,155	6,465	345	
48	Direct Assigned	Direct	511,785											
49	Subtotal - Distribution		17,017,079	7,337,524	458,580	1,334,423	5,794,946	203,877	687,054	123,145	237,418	87,919	3,650	
50	Total		39,313,593	15,876,898	1,024,273	2,413,153	15,275,419	575,867	2,018,462	247,955	619,698	204,545	7,631	

Allocation of Plant in Service To Rate Classes - BUNDLED

Line No.	Acct. No.	Description	Class. Factor	Total	Residential (04-RS)	Residential W/Space Heat (04-RS)	GS Small (04-GSS)	GS Large (04-GSL)	GS Large W/Space Heat (04-Rider 1)	Industrial (04-IS)	Municipal Power (04-M-I)	Water Pumping (04-WP)	Irrigation (04-IP-I)	Temp Service (04-CS)
1		Intangible Plant												
2	301	Organization	PLNT											
3	302	Franchises and consents	PLNT											
4	303	Miscellaneous intangible plant	PLNT											
5	301-303	Subtotal	PLNT											
7		Production Plant												
8	310-346	Production Plant	PRODI											
10		Transmission Plant												
11	350-359	Transmission Plant	TRANI	15,251,790	5,612,207	369,423	741,841	6,939,673	211,471	816,887	83,879	227,558	80,581	4,667
13		Distribution Plant												
14	360	Land	LAND	40,521	14,911	981	1,971	18,437	562	2,170	223	605	214	12
15	361	Structures	SUB	101,821	37,467	2,466	4,953	46,329	1,412	5,454	560	1,519	538	31
16	362	Station	SUB	4,304,136	1,583,794	104,253	209,351	1,958,413	59,678	230,530	23,671	64,218	22,740	1,317
17	363	Battery	SUB											
18	364	Poles, towers	PRI	9,786,607	3,672,923	242,636	473,431	4,281,487	150,511	555,950	54,215	157,618	51,293	2,302
19	365	OH Conduit	PRI	7,727,055	2,899,971	191,574	373,799	3,380,466	118,837	438,953	42,806	124,448	40,499	1,817
20	366	UG Conduit	PRI											
21	367	UG Conduit	PRI	2,093,998	785,879	51,916	101,298	916,091	32,204	118,954	11,600	33,725	10,975	492
22	368	Transf	TRF	5,726,042	3,190,255	226,656	353,015	1,487,194	61,242	126,603	42,083	99,591	65,166	1,176
23	369	Services	SERV	1,633,235	1,105,553	61,871	263,186	164,529	5,615	1,194	13,277	6,323	3,384	271
24	370	Meters	MTR	3,989,855	1,636,522	91,586	1,226,564	802,211	27,377	8,379	109,191	51,996	23,740	401
25	371	Coas Premise	ICON	297,550	111,671	7,377	14,394	130,173	4,576	16,903	1,648	4,792	1,560	70
26	372	Lensed Prop	LICON											
27	373	St. Light	STL	1,455,348										
28	360-373	Subtotal		37,156,168	15,038,945	981,316	3,021,962	13,185,331	462,015	1,505,089	299,274	544,833	220,108	7,890
30		General Plant												
31	389	Land & Land Rights	PLNT	140,161	55,230	3,612	10,066	53,823	1,801	6,210	1,025	2,066	804	34
32	390	Structures and Improve.	PLNT	1,677,028	660,826	43,223	120,440	643,990	21,551	74,302	12,261	24,716	9,622	402
33	391	Office Furniture & Equip.	PLNT	389,975	153,668	10,051	28,007	149,753	5,012	17,278	2,851	5,747	2,237	93
34	392	Transportation & Equipment	PLNT	2,807,946	1,106,460	72,371	201,659	1,078,270	36,084	124,408	20,529	41,384	16,110	673
35	393	Stores Equipment	PLNT	212,624	83,784	5,480	15,270	81,649	2,732	9,420	1,554	3,134	1,220	51
36	394	Tool, Shop & Garage Equip.	PLNT	22,193	8,745	572	1,594	8,522	285	983	162	327	127	5
37	395	Laboratory Equipment	PLNT	173,952	68,545	4,483	12,493	66,799	2,235	7,707	1,272	2,564	998	42
38	396	Power Operated Equipment	PLNT											
39	397	Communication Equipment	PLNT	387,539	152,708	9,988	27,832	148,818	4,980	17,170	2,833	5,712	2,223	93
40	398	Miscellaneous Equipment	PLNT	41,426	16,324	1,068	2,975	15,908	532	1,835	303	611	238	10
41	399	Other tangible property	PLNT											
42	389-399	Subtotal		5,852,844	2,306,290	150,849	420,336	2,247,531	75,214	259,315	42,790	86,260	33,580	1,402
44		Total Plant		58,260,802	22,957,442	1,501,588	4,184,139	22,372,535	748,699	2,581,392	425,943	858,651	334,269	13,959

Allocation of Revenue Requirements to Rate Classes – BUNDLED

Line No.	Acct. No.	Description	Class. Factor	Total	Residential (04-RS)	Residential W/Space Heat (04-RS)	GS Small (04-GSS)	GS Large (04-CSL)	GS Large W/Space Heat (04-Rider 1)	Industrial (04-IS)	Municipal Power (04-M-I)	Water Pumping (04-WP)	Irrigation (04-IP-I)	Temp Service (04-CS)
1		Power Supply												
2		Production												
3	500-557		FUEL											
4	500-557	Non-Fuel O&M - Demand	PRODI											
5	500-557	Non-Fuel O&M - Energy	PRODI											
6		Subtotal - Production												
7		Purchases												
8	555	Direct Assign. Chgs (Cr.)												
9	555	Substation Charges	PURSUB											
10	555	Demand Charges	PURKW-1	5,715,350	2,103,079	138,435	277,992	2,600,525	79,245	306,115	31,432	85,273	30,196	1,749
11	555	Summer	PURKW-2											
12	555	Winter	PURKW-3											
13	555	Other	PURKW-4											
14		Total Demand		5,715,350	2,103,079	138,435	277,992	2,600,525	79,245	306,115	31,432	85,273	30,196	1,749
15	555	Energy Charges	PURKWH-1	15,680,584	6,098,307	404,931	757,172	6,485,958	278,894	974,134	88,389	282,503	81,710	2,020
16	555	On-Peak	PURKWH-2											
17	555	Off-Peak	PURKWH-3											
18		Total Energy		15,680,584	6,098,307	404,931	757,172	6,485,958	278,894	974,134	88,389	282,503	81,710	2,020
19	555	Revenue Related Charges	REVENUE											
20		Subtotal - Purchases		21,395,934	8,201,386	543,365	1,035,164	9,086,483	358,139	1,280,249	119,821	367,776	111,907	3,769
21	500-557	Total Power Supply		21,395,934	8,201,386	543,365	1,035,164	9,086,483	358,139	1,280,249	119,821	367,776	111,907	3,769
22		Transmission												
23	500-573	Operation & Maintenance	TRAN1	451,527	169,458	11,195	21,843	197,536	6,944	25,650	2,501	7,272	2,367	106
24	555	Transmission - G&T Charges	TRAN2											
25		Total Transmission		451,527	169,458	11,195	21,843	197,536	6,944	25,650	2,501	7,272	2,367	106
26		Distribution												
27	580	Oper. Super & Eng	EX1	216,130	79,543	5,233	11,595	91,261	3,207	11,724	1,286	3,389	1,112	49
28	581	Load Dispatch	EX1											
29	582	Oper. Station	SUB	251,847	94,518	6,244	12,183	110,179	3,873	14,307	1,395	4,056	1,320	59
30	583	Oper. OH Line	PRJ	1,144,604	429,571	28,378	55,371	500,746	17,603	65,022	6,341	18,434	5,999	269
31	584	Oper. UG Line	PRJ	144,245	54,135	3,576	6,978	63,105	2,218	8,194	799	2,323	756	34
32	585	Oper. St. Lighting	STL	36,283										
33	586	Oper. Meters	MTR	40,904	16,778	939	12,575	8,224	281	86	1,119	533	243	4
34	587	Oper. Cons. Install	ICON	59,134	22,193	1,466	2,861	25,870	909	3,359	328	952	310	14
35	588	Oper. Misc. Oper.	EX1	684,364	251,868	16,569	36,714	288,974	10,155	37,123	4,074	10,732	3,521	155
36	589	Revs	EX1											
37	590	Main. Super. & Eng	EX2	267,559	95,476	6,299	12,966	110,260	3,877	14,245	1,464	4,080	1,337	59
38	591	Main. Structure	SUB											
39	592	Main. Station	SUB	60,933	22,868	1,511	2,948	26,657	937	3,461	338	981	319	14
40	593	Main. OH Line	PRJ	717,655	269,337	17,793	34,717	313,963	11,037	40,768	3,976	11,558	3,761	169
41	594	Main. UG Line	PRJ	30,141	11,312	747	1,458	13,186	464	1,712	167	485	158	7
42	595	Main. Line Transf.	TRF	2,560	1,426	101	158	665	27	57	19	45	29	1
43	596	Main. St. Lighting	STL	44,540										
44	597	Main. Meters	MTR	8,467	3,473	194	2,603	1,702	58	18	232	110	50	1
45	598	Main. Misc. Dist.	EX2	169,549	60,502	3,991	8,216	69,871	2,457	9,027	928	2,585	847	38
46	580-598	Subtotal		3,878,914	1,412,999	93,041	201,341	1,624,665	57,104	209,102	22,465	60,266	19,764	873

Allocation of Revenue Requirements to Rate Classes - BUNDLED
(Continued)

Line No.	Acct. No.	Description	Class. Factor	Total	Residential		GS Small (04-CSS)	GS Large (04-GSL)	GS Large W/Space Heat (04-Rider 1)	Industrial (04-IS)	Municipal Power (04-M-P)	Water Pumping (04-WP)	Irrigation (04-IP-I)	Temp Service (04-CS)
					Residential (04-RS)	W/Space Heat (04-RS)								
47		Consumer Acct. Service & Sales												
48		Consumer Accounting												
49	901	Supervision	CACC											
50	902	Meter Reading Expense	CACC	186,808	133,469	7,469	27,959	13,739	469	87	1,603	763	247	33
51	903	Records & Collections	CACC	1,121,008	800,926	44,823	167,776	82,448	2,814	523	9,619	4,580	1,483	196
52	904	Uncollectible Accounts	CACC	117,781	84,151	4,709	17,628	8,663	296	55	1,011	481	156	21
53	905	Misc. Customer Account	CACC	23,244	16,607	929	3,479	1,710	58	11	199	95	31	4
54		Subtotal		1,448,841	1,035,153	57,931	216,841	106,560	3,637	677	12,432	5,920	1,917	254
55		Consumer Service & Info.												
56	907	Supervision	CS											
57	908	Customer Assistance	CS	24,652	17,613	986	3,689	1,813	62	12	212	101	33	4
58	909	Info. & Instruction	CS											
59	910	Misc. Cust Serv. & Info	CS	14,029	10,023	561	2,100	1,032	35	7	120	57	19	2
60		Subtotal		38,681	27,636	1,547	5,789	2,845	97	18	332	158	51	7
61		Sales												
62	911	Supervision	SALES											
63	912	Demonstrating & Selling	SALES	7,461	5,331	298	1,117	549	19	3	64	30	10	1
64	913	Advertising	SALES	154	110	6	23	11	0	0	1	1	0	0
65	916	Misc. Sales	SALES											
66		Subtotal		7,615	5,441	304	1,140	560	19	4	65	31	10	1
67		Prorated Operating Expenses												
68		Administrative & General												
69	920	Administrative & General		704,514										
70	921	Office Supplies & Expenses		126,931										
71	922	Admin. Expenses Transferred												
72	923	Outside Services Employed		193,224										
73	924	Property Insurance												
74	925	Injuries & Damages												
75	926	Employee Pensions & Benefits												
76	927	Franchise Requirements												
77	928	Regulatory Commission Exp.												
78	929	Duplicate Charges		(66,650)										
79	930.1	General Advertising		12,194										
80	930.2	Misc.		164,077										
81	931	Rents		6,383										
82	935	Maint. of General Plant		114,945										
83		Accounts 920-935		1,255,619										
84		Power Supply	EX6-PS											
85		Transmission	EX6-TR											
86		Distribution	EX6-D	1,255,619	579,726	35,706	99,325	405,287	14,219	49,019	8,246	15,508	5,080	265
87		Subtotal - A&G		1,255,619	579,726	35,706	99,325	405,287	14,219	49,019	8,246	15,508	5,080	265

Allocation of Revenue Requirements to Rate Classes - BUNDLED
(Continued)

Line No.	Acct. No.	Description	Class. Factor	Total	Residential (04-RS)	Residential W/Space Heat (04-RS)	GS Small (04-GSS)	GS Large (04-GSL)	GS Large W/Space Heat (04-Rider 1)	Industrial (04-IS)	Municipal Power (04-M-1)	Water Pumping (04-WP)	Irrigation (04-IP-1)	Temp Service (04-CS)
88	408	Other Taxes												
89		Power Supply	EX6-PS											
90		Transmission	EX6-TR											
91		Distribution	REV	1,054,289	472,556	22,282	51,921	372,384	11,480	47,155	4,871	18,155	6,465	345
92		Subtotal - Other Taxes		1,054,289	472,556	22,282	51,921	372,384	11,480	47,155	4,871	18,155	6,465	345
93	421-	Miscellaneous Expense												
94	426.431	Power Supply	EX6-PS											
95		Transmission	EX6-TR											
96		Distribution	EX6-D	325,399	150,238	9,253	25,740	105,032	3,685	12,703	2,137	4,019	1,316	69
97		Subtotal - Misc. Expense		325,399	150,238	9,253	25,740	105,032	3,685	12,703	2,137	4,019	1,316	69
98		Fixed Charges												
99	403-	Depreciation												
100	407	Power Supply	PROPLNT											
101		Transmission	TRNPLNT	449,053	168,530	11,133	21,723	196,453	6,906	25,509	2,488	7,232	2,354	106
102		Distribution	DSTPLNT	1,286,213	521,722	34,058	104,569	453,731	16,225	52,601	10,366	19,043	7,613	262
103		Subtotal - Depreciation		1,735,265	690,252	45,191	126,292	650,185	23,132	78,110	12,854	26,275	9,966	368
104	408	Property Taxes												
105		Power Supply	REV											
106		Transmission	REV											
107		Distribution	REV											
108		Subtotal - Property Taxes												
109														
110		Total Oper. Expenses		31,592,084	12,744,847	819,816	1,785,396	12,551,537	478,455	1,702,686	185,725	505,380	158,843	6,057
111														
112	427	Interest-LT												
113		Power Supply	PROPLNT											
114		Transmission	TRNPLNT	4,069,354	1,650,639	107,752	330,838	1,435,528	51,337	166,419	32,796	60,248	24,086	830
115		Distribution	DSTPLNT	4,069,354	1,650,639	107,752	330,838	1,435,528	51,337	166,419	32,796	60,248	24,086	830
116		Subtotal - Interest-LT		4,069,354	1,650,639	107,752	330,838	1,435,528	51,337	166,419	32,796	60,248	24,086	830
117		Required Margin												
118		Power Supply	PROPLNT											
119		Transmission	TRNPLNT	3,652,155	1,481,412	96,705	296,919	1,288,354	46,074	149,357	29,434	54,071	21,616	745
120		Distribution	DSTPLNT	3,652,155	1,481,412	96,705	296,919	1,288,354	46,074	149,357	29,434	54,071	21,616	745
121		Subtotal - Required Margin		3,652,155	1,481,412	96,705	296,919	1,288,354	46,074	149,357	29,434	54,071	21,616	745
122		Summary of Revenue Requirements												
123		Power Supply		21,395,934	8,201,386	543,365	1,035,164	9,086,483	358,139	1,280,249	119,821	367,776	111,907	3,769
124		Transmission		900,579	337,988	22,328	43,566	393,989	13,850	51,159	4,989	14,504	4,720	212
125		Distribution		17,017,079	7,337,524	458,580	1,334,423	5,794,946	203,877	687,054	123,145	237,418	87,919	3,650
126		Total Rev. Req.		39,313,592	15,876,898	1,024,273	2,413,153	15,275,419	575,867	2,018,462	247,955	619,698	204,545	7,631

Rate Class Weighting Factors

I. Three Phase Vs. Single Phase Class Weighting Factors

A. Investment to Serve 3Ø vs. 1Ø Consumers (use replacement cost)

	<u>1Ø</u>	<u>3Ø</u>
1. kWh Meter	\$90	\$286
2. kWh & kW Meter	\$275	\$500
3. kWh & kW Meter (PF/KVAR)	\$286	\$705
4. Service ¹	\$247	\$409
5. Transformer ²	\$1,718	\$2,751
6. Primary Line ³	\$714	\$1,252

B. Weighting Factors for Relative 3Ø Class Investment Costs

1. Meter (3Ø Interval Recording)	\$1,200 ÷	\$90 =	13.33
2. Meter (3Ø w/demand, PF/KVAR)	\$705 ÷	\$90 =	7.83
3. Meter (3Ø w/demand)	\$500 ÷	\$90 =	5.56
4. Meter (3Ø w/o demand)	\$286 ÷	\$90 =	3.18
5. Meter (1Ø w/demand)	\$275 ÷	\$90 =	3.06
6. Service	\$409 ÷	\$247 =	1.65
7. Transformer	\$2,751 ÷	\$1,718 =	1.60
8. Primary Line	\$1,252 ÷	\$714 =	1.75

¹ Assume a typical installation of 80 feet of 1/0 triplex (or quadriplex), pole and miscellaneous materials to estimate the difference between a 1Ø and 3Ø installation.

² Use the cost difference between 1-75 kVA transformer and 3-25 kVA transformers as representative of the difference between a 1Ø versus a 3Ø transformer installation.

³ Assume a typical installation of 150 feet of 1/0 ACSR to estimate the difference in primary line between a 1Ø and 3Ø installation.

Estimate of Class Demands Summary

Description	Total System	Residential (04-RS)	Residential W/Space Heat (04-RS)	GS Small (04-GSS)	GS Large (04-GSL)	GS Large W/Space Heat (04-Rider 1)	Industrial (04-IS)	Municipal Power (04-M-1)	Water Pumping (04-WP)	Irrigation (04-IP-1)	Temp Service (04-CS)
Class Billing Determinants											
Number of Consumers	21,388	12,240	685	2,564	1,260	43	8	147	70	23	3
Energy (MWh)	310,617	120,802	8,021	14,999	128,481	5,525	19,297	1,751	5,596	1,619	40
Billing Demand (kW)	560,029	-	-	-	488,576	14,694	56,760	-	-	-	-
Estimated Demand Responsibility											
Non-Coincident Consumer Demand	242,216	134,950	9,588	14,933	62,909	2,591	5,355	1,780	4,213	2,757	50
Non-Coincident Class Demand	80,065	29,336	1,931	3,878	36,275	1,105	4,270	438	1,190	421	24
Coincident Class Demand - Ave. Monthly	55,711	20,500	1,349	2,710	25,349	772	2,984	306	831	294	17
Coincident Class Demand - Summer											
Coincident Class Demand - Winter											
Coincident Class Demand - Weighted	55,711	20,500	1,349	2,710	25,349	772	2,984	306	831	294	17
Coincident Class Demand - Transm.									60.2		

Estimate of Class Demands

Line No.	Description	Total System	Residential		GS Small (04-GSS)	GS Large (04-GSL)	GS Large W/Space Heat (04-Rider 1)	Industrial (04-IS)	Municipal Power (04-M-F)	Water Pumping (04-WP)	Irrigation (04-IP-F)	Temp Service (04-CS)	Lighting (PAL-SL-L, (PAL-L, SL-
			(04-RS)	W/Space Heat (04-RS)									
1	Non-Coincidental Class Demand - Average Monthly												
2	Total System Sales (MWh)	310,617	120,802	8,021	14,999	128,481	5,525	19,297	1,751	5,596	1,619	40	4,488
3	Line Losses	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%
4	kWh Purchased (MWh)	333,032	129,519	8,600	16,081	137,752	5,923	20,689	1,877	6,000	1,735	43	4,812
5	Divide by Hours	8,760	8,760	8,760	8,760	8,760	8,760	8,760	8,760	8,760	8,760	8,760	8,760
6	Average Demand (kWh)	38,017	14,785	982	1,836	15,725	676	2,362	214	685	198	5	549
7													
8	Average Customers	21,489	12,240	685	2,564	1,260	43	8	147	70	23	3	4,446
9													
10	Calculated Maximum Demand ¹	68,485	29,336	1,931	3,878	23,989	1,183	4,676	438	1,190	421	24	1,418
11													
12	Substitutions												
13	Bary Curve Estimate (Max. Annual or Seas.) ²		n/a	n/a	n/a	36,275	1,105	4,270	n/a	n/a	n/a	n/a	n/a
14	Other Substitutions ³		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
15	Non-Coincidental Class Demand	80,065	29,336	1,931	3,878	36,275	1,105	4,270	438	1,190	421	24	1,195
16	Sum of Non-Coincidental Demands of Individual Customers - Annual Peak												
17	Peak Month Sales Data												
18	Peak Month												
19	kWh Sales		Aug-10	Jan-10	Jan-10	Oct-10	Jan-10	Jan-10	Aug-10	Aug-10	Aug-10	May-10	Dec-10
20	Consumers	16,868,481	12,363	1,122,372	1,714,642	12,646,628	660,678	1,882,201	209,581	639,621	557,649	13,136	402,197
21	Sum of Individual Consumer's Non-coincident Demands ⁴			636	2,616	1,248	46	8	140	70	27	5	164
22			134,951	9,584	14,931	82,797	3,847	8,501	1,778	4,197	2,797	60	83,235
23	Substitute (from Historical Billing Records)		n/a	n/a	n/a	60,513	2,591	5,355	n/a	n/a	n/a	n/a	n/a
24	Non-Coincidental Demand from Billing Records		n/a	n/a	n/a	469,963	14,694	56,760	n/a	n/a	n/a	n/a	n/a
25	Sum of Individual Customer Non-Coincident Peak Demands (Adjusted to Test Year) ⁵		134,950	9,588	14,933	62,909	2,591	5,355	1,780	4,213	2,757	50	3,091

¹ The class diversified demand is calculated based on the formulas contained in RUS Demand Tables (Bulletin 45-2). The formula is as follows:
 Class Diversified Demand = $L8 \times (1 - 0.4 \times L8 + 0.4 \times (L8^2 + 40)^{0.5}) \times (0.005925 \times (L4 \times 1,000 + (L8 \times 12)^{0.85})$

² See "Annual Bary Curve Estimates"

³ Security Lighting demand is calculated based on wattage, (including ballasts) number of lights and assumed annual hours of operation. Includes estimates for unmetted lights only.

⁴ The sum of the Individual Consumers Non-coincident Demands is calculated using the RUS demand for a single customer multiplied by the Test Year number of customers.
 Sum of Individual Consumer Demands = $(1 - 0.4 \times 1 + 0.4 \times (1^2 + 40)^{0.5}) \times (0.005925 \times (L19 + L20)^{0.85})$

⁵ Adjusted to Test Year conditions.

Estimate of Class Demands													
Line No.	Description	Total System	Residential (04-RS)	Residential W/Space Heat (04-RS)	GS Small (04-GSS)	GS Large (04-GSL)	GS Large W/Space Heat (04-Rider 1)	Industrial (04-IS)	Municipal Power (04-M-I)	Water Pumping (04-WP)	Irrigation (04-IP-I)	Temp Service (04-CS)	Lighting (PAL-SL-I, PAL-L, SL-
26	Annual Bary Curve Estimates												
27	Sum of Monthly Non-Coincidental Demands for Test Year	-	-	-	-	488,576	14,694	56,760	-	-	-	-	-
28													
29	MWh Sales	-	-	-	-	128,481	5,525	19,297	-	-	-	-	-
30													
31	Load Factor (730 hours per month)					36.0%	51.5%	46.6%					
32													
33	Coincidence Factor (From Bary Curve)		n/a	n/a	n/a	83.1%	84.2%	84.2%	n/a	n/a	n/a	n/a	n/a
34													
35	Billing Months per Year		12	12	12	12	12	12	12	12	12	3	12
36													
37	Estimated Non-Coincidental Average Monthly Demand ((L2*L8)/L10)		n/a	n/a	n/a	33,834	1,031	3,983	n/a	n/a	n/a	n/a	n/a
38	Estimated Non-Coincidental Demand - Average Monthly (Including Line Loss)		n/a	n/a	n/a	36,275	1,105	4,270	n/a	n/a	n/a	n/a	n/a
39													
40	Determination of Class Coincident Demand - Average Monthly												
41	System Coincident Demand - Average Monthly (Per Exhibit II)	55,711											
42													
43	Coincidence Factors from Other Sources ¹		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	50.00%
44	Average Monthly Non-Coincidental Demand ²		-	-	-	-	-	-	-	-	-	-	1,195
45	Coincident Demand - Direct Assigned	598	-	-	-	-	-	-	-	-	-	-	598
46													
47	Remaining Coincident Demand	55,113											
48	Remaining Non-Coincident Demand	78,870	29,336	1,931	3,878	36,275	1,105	4,270	438	1,190	421	24	-
49	Coincidence Factor for Remaining Classes	69.9%	69.9%	69.9%	69.9%	69.9%	69.9%	69.9%	69.9%	69.9%	69.9%	69.9%	
50	Coincident Demand for Remaining Classes	20,500	1,349	2,710	25,349	772	2,984	306	831	294	17	-	
51	Coincident Demand - Ave. Monthly	55,711	20,500	1,349	2,710	25,349	772	2,984	306	831	294	17	598

Outdoor Lighting

A. Separately Metered Energy

kWh	56,142	
Ave. LF	49%	
		<u>13</u>
		<u>13</u>

Private Area / Street Lighting

A. Unmetered Lights

Size/Type	# of Lights	Power Required Per Light			Estimated Annual kWh/month	Estimated kWh	Total kW 1
		Lamp kW	Ballast kW	Total kW			
100 W MV	-	0.100	0.035	0.135	45	-	0.0
175 W MV	2,068	0.175	0.035	0.210	75	1,861,200	434.3
250 W MV	138	0.250	0.050	0.300	107	177,192	41.4
400 W MV	259	0.400	0.050	0.450	173	537,684	116.6
50 W HPS	-	0.050	0.020	0.070	25	-	0.0
70 W HPS	-	0.070	0.025	0.095	34	-	0.0
100 W HPS	1,537	0.100	0.035	0.135	45	829,980	207.5
150 W HPS	386	0.150	0.050	0.200	68	314,976	77.2
200 W HPS	243	0.200	0.055	0.255	87	253,692	62.0
250 W HPS		0.250	0.060	0.310	108	-	0.0
400 W HPS	403	0.400	0.075	0.475	173	836,628	191.4
1000 W HPS	59	1.000	0.100	1.100	394	278,952	64.9
Total	5,093					5,090,304	1,195
Average monthly usage						83.29	0.235

Development of Allocation Factors – BUNDLED

Line No.	Description	Units	Total	Residential (04-RS)	Residential W/Space Heat (04-RS)	GS Small (04-GSS)	GS Large (04-GSL)	GS Large W/Space Heat (04-Rider 1)	Industrial (04-IS)	Municipal Power (04-M-I)	Water Pumping (04-WP)	Irrigation (04-IP-I)	Temp Service (04-CS)
1	Allocation Factor Input Data												
2	Energy												
3	Energy Sales – All	MWh	310,617	120,802	8,021	14,999	128,481	5,525	19,297	1,751	5,596	1,619	40
4	Energy Sales – On-Peak	MWh											
5	Energy Sales – Off-Peak	MWh											
6	Dist. Losses	MWh	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%	7.22%
7	Energy – All @ Sub.	MWh	333,032	129,519	8,600	16,081	137,752	5,923	20,689	1,877	6,000	1,735	43
8	Energy – On-Peak @ Sub.	MWh											
9	Energy – Off-Peak @ Sub.	MWh											
10	Trans. Losses	MWh											
11	Energy – All @ Source	MWh	333,032	129,519	8,600	16,081	137,752	5,923	20,689	1,877	6,000	1,735	43
12	Energy – On-Peak @ Source	MWh											
13	Energy – Off-Peak @ Source	MWh											
14	Demand												
15	Non-Coinc. Demand @ Cons.	kW	242,216	134,950	9,588	14,933	62,909	2,591	5,355	1,780	4,213	2,757	50
16	Class Non-Coinc. Demand @ Sub.	kW	80,065	29,336	1,931	3,878	36,275	1,105	4,270	438	1,190	421	24
17	Class Non-Coinc. Demand Transm.	kW											
18	Summer Coinc. Demand	kW											
19	Winter Coinc. Demand	kW											
20	Other Coinc. Demand	kW											
21	Coinc. Demand @ Sub.	kW	55,711	20,500	1,349	2,710	25,349	772	2,984	306	831	294	17
22	Coinc. Demand @ Source	kW	55,711	20,500	1,349	2,710	25,349	772	2,984	306	831	294	17
23	Average and Excess Demand												
24	Average Demand	kW	38,017	14,785	982	1,836	15,725	676	2,362	214	685	198	5
25	Class Excess Demand	kW	42,047	14,551	949	2,042	20,550	429	1,908	224	505	223	19
26	Allocated Excess Demand	kW	17,694	6,123	399	859	8,648	181	803	94	212	94	8
27	Avg. & Excess Demand	kW	55,711	20,908	1,381	2,695	24,373	857	3,165	309	897	292	13
28	Margin												
29	Present Rate Margin	\$	10,886,452	4,879,554	230,080	536,127	3,845,188	118,536	486,912	50,302	187,462	66,761	3,561
30	Proposed Rate Revenue	\$	33,182,966	13,418,928	795,774	1,614,857	13,325,660	490,525	1,818,321	175,112	569,742	183,388	7,542
31	Consumer												
32	No. Consumers		21,489	12,240	685	2,564	1,260	43	8	147	70	23	3
33	Pri. Line Weight Factor			1.00	1.00	1.16	1.52	1.52	1.75	1.00	1.00	1.75	1.00
34	Weight. No. of Cons.		18,230.4	12,240.0	685.0	2,968.4	1,909.1	65.2	14.0	147.0	70.0	39.8	3.0
35	Transf. Weight Factor			1.00	1.00	1.13	1.41	1.41	1.60	1.00	1.00	1.60	1.00
36	Weight. No. of Cons.		18,006.9	12,240.0	685.0	2,886.1	1,777.1	60.6	12.8	147.0	70.0	36.3	3.0
37	Service Weight Factor			1.00	1.00	1.14	1.45	1.45	1.65	1.00	1.00	1.65	1.00
38	Weight. No. of Cons.		18,082.2	12,240.0	685.0	2,913.8	1,821.6	62.2	13.2	147.0	70.0	37.5	3.0
39	Meter Weight Factor			1.00	1.00	3.58	4.76	4.76	7.83	5.56	5.56	7.83	1.00
40	Weight. No. of Cons.		29,841.2	12,240.0	685.0	9,173.8	6,000.0	204.8	62.7	816.7	388.9	177.6	3.0
41	Cons. Acct. Weight Factor			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42	Weight. No. of Cons.		17,131.6	12,240.0	685.0	2,564.0	1,260.0	43.0	8.0	147.0	70.0	22.7	3.0

Development of Allocation Factors – BUNDLED
(Continued)

Line No.	Description	Data Line No.	Name	Total	Residential (04-RS)	Residential W/Space Heat (04-RS)	GS Small (04-GSS)	GS Large (04-GSL)	GS Large W/Space Heat (04-Rider 1)	Industrial (04-IS)	Municipal Power (04-M-I)	Water Pumping (04-WP)	Irrigation (04-IP-I)	Temp Service (04-CS)
43	Allocation Factors													
44	Energy Related													
45	Energy – All @ Sub.	7	E1	1.000000	0.388908	0.025824	0.048287	0.413630	0.017786	0.062124	0.005637	0.018016	0.005211	0.000129
46	Energy – On-Peak @ Sub.	8	E2											
47	Energy – Off-Peak @ Sub.	9	E3											
48	Energy – All @ Source	11	E4	1.000000	0.388908	0.025824	0.048287	0.413630	0.017786	0.062124	0.005637	0.018016	0.005211	0.000129
49	Energy – On-Peak @ Source	12	E5											
50	Energy – Off-Peak @ Source	13	E6											
51														
52	Demand Related													
53	Non-coinc. Demand @ Cons.	15	D1	1.000000	0.557148	0.039583	0.061651	0.259725	0.010695	0.022110	0.007349	0.017393	0.011381	0.000205
54	Non-coinc. Demand @ Class	16	D2	1.000000	0.366408	0.024119	0.048433	0.453075	0.013806	0.053333	0.005476	0.014857	0.005261	0.000305
55	Non-coinc. Demand @ Transm	17	D3											
56	Summer Coinc. Demand	18	D4											
57	Winter Coinc. Demand	19	D5											
58	Other Coinc. Demand	20	D6											
59	Coinc. Demand @ Sub.	21	D7	1.000000	0.367970	0.024222	0.048640	0.455007	0.013865	0.053560	0.005500	0.014920	0.005283	0.000306
60	Coinc. Demand @ Source	22	D8	1.000000	0.367970	0.024222	0.048640	0.455007	0.013865	0.053560	0.005500	0.014920	0.005283	0.000306
61	Avg. & Excess	27	D9	1.000000	0.375301	0.024793	0.048375	0.437484	0.015379	0.056807	0.005540	0.016105	0.005241	0.000235
62	Avg. & Excess (w/o Enbridge)	28	D10	1.000000	0.375301	0.024793	0.048375	0.437484	0.015379	0.056807	0.005540	0.016105	0.005241	0.000235
63														
64	Revenue Related													
65	Present Rate Margin	29	R1	1.000000	0.448223	0.021135	0.049247	0.353209	0.010888	0.044726	0.004621	0.017220	0.006133	0.000327
66	Proposed Rate Revenue	30	R2	1.000000	0.404392	0.023981	0.048665	0.401581	0.014782	0.054797	0.005277	0.017170	0.005527	0.000227
67														
68	Consumer Related													
69	No. of Cons.	32	C1	1.000000	0.569603	0.031877	0.119319	0.058636	0.002001	0.000372	0.006841	0.003258	0.001055	0.000140
70	Pri. Line Weight. Cons.	34	C2	1.000000	0.671407	0.037575	0.162826	0.104722	0.003574	0.000770	0.008063	0.003840	0.002182	0.000165
71	Transf. Weight. Cons.	36	C3	1.000000	0.679740	0.038041	0.160279	0.098689	0.003368	0.000711	0.008164	0.003887	0.002016	0.000167
72	Services Weight. Cons.	38	C4	1.000000	0.676910	0.037883	0.161144	0.100738	0.003438	0.000731	0.008130	0.003871	0.002072	0.000166
73	Meter Weight. Cons.	40	C5	1.000000	0.410171	0.022955	0.307421	0.201063	0.006862	0.002100	0.027367	0.013032	0.005950	0.000101
73	Cons. Acct. Weight. Cons.	42	C6	1.000000	0.714470	0.039985	0.149665	0.073548	0.002510	0.000467	0.008581	0.004086	0.001323	0.000175

VERIFICATION

STATE OF MINNESOTA)
) ss
COUNTY OF ISANTI)

The undersigned, Nicholas M. Nelson, upon oath first duly sworn, states that he is an employee of Power System Engineering, Inc., and that he has prepared the foregoing testimony, that he is familiar with the contents thereof, and that the statements contained therein are true and correct to the best of his knowledge and belief.

Nicholas M. Nelson
Nicholas M. Nelson

Subscribed and sworn to before me this 24th day of April, 20 13.



Marilyn M. Cuellar
Notary Public

My appointment expires: 1/31/15