

Exhibit No.:

Issues: Weather Normalized Sales  
and Rate Design

Witness: Proctor

Type of Exhibit: Direct

Sponsoring Party: MoPSC Staff

Case No.: GR-93-172

MISSOURI PUBLIC SERVICE COMMISSION

POLICY & PLANNING DIVISION

DIRECT TESTIMONY

OF

MICHAEL S. PROCTOR

FILED

MAY 28 1993

PUBLIC SERVICE COMMISSION

MISSOURI PUBLIC SERVICE,

A DIVISION OF UTILICORP UNITED, INC.

CASE NO. GR-93-172

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ACCOUNTING DEPT.  
PUBLIC SERVICE COMMISSION

Jefferson City, Missouri

May, 1993

1  
2 DIRECT TESTIMONY  
3 OF  
4 MICHAEL S. PROCTOR  
5 MISSOURI PUBLIC SERVICE,  
6 A DIVISION OF UTILICORP UNITED, INC.  
7 CASE NO. GR-93-172  
8  
9

10 Q. Please state your name and business address.

11 A. My name is Michael S. Proctor and my business  
12 address is P. O. Box 360, Jefferson City, Missouri 65102.

13 Q. What is your present position with the  
14 Missouri Public Service Commission?

15 A. I am Chief Economist in the Economic Analysis  
16 Department.

17 Q. Will you please review your educational  
18 background and work experience.

19 A. I have Bachelors and Masters of Arts Degrees  
20 in Economics from the University of Missouri at Columbia  
21 and a Ph.D. in Economics from Texas A&M University. My  
22 previous work experience has been as an Assistant Professor  
23 of Economics at Purdue University and at the University of  
24 Missouri at Columbia. Since being on the Staff of the  
25 Missouri Public Service Commission from June 1, 1977, I  
26 have presented testimony on class cost-of-service, rate  
27 design, load forecasting, capacity expansion planning, and  
28 phase-in.

Direct Testimony of  
Michael S. Proctor

1           Q. What were your areas of responsibility in  
2 Case No. GR-93-172?

3           A. I supervised the work of several analysts  
4 from the Economic Analysis Department. I also was  
5 responsible for coordinating that work with the Accounting  
6 and Energy Departments. In addition, I am responsible for  
7 the Staff's proposed rate design.

8           Q. With respect to the work of the Economic  
9 Analysis Department, what are the specific areas of rate  
10 case responsibility?

11          A. The Economic Analysis Department is  
12 responsible for normalization of natural gas sales over the  
13 test year. The analysts working on this task are Mr. James  
14 Gray and Mr. Henry Warren. Mr. Gray normalized sales for  
15 the residential and commercial firm customers, and Mr.  
16 Warren normalized sales for the industrial firm,  
17 interruptible sales and transportation customers. In  
18 addition, we are responsible for conducting a class cost-  
19 of-service study which is the basis for our proposed rate  
20 design. Ms. Eve Lissik developed class allocation factors  
21 for mains and service lines. Ms. Anne Ross developed the  
22 other allocation factors and applied all of the allocation  
23 factors to their associated functional costs to determine  
24 the cost responsibility for each class.

25          Q. What is the purpose for the normalization of  
26 natural gas sales?

Direct Testimony of  
Michael S. Proctor

1           A. The primary emphasis is on weather  
2     normalization, the details of which are explained by Mr.  
3     Gray and Mr. Warren in their direct testimony. In  
4     addition, when working with the industrial firm,  
5     interruptible and transportation customers, there are  
6     adjustments made to test year sales for non-weather related  
7     changes. Schedule 1, attached to my direct testimony,  
8     includes an accounting for both weather and non-weather  
9     related adjustments.

10           Q. What specific adjustments were made for the  
11     industrial firm, interruptible and transportation  
12     customers?

13           A. The first page of Schedule 1 shows the  
14     adjustments made because of rate switching which occurred  
15     during the test period. As the footnotes indicate, there  
16     were some minor adjustments made to customer bill counts  
17     for what I believe to be prorated bills. If a customer  
18     changes rate classes in the middle of a billing month, that  
19     customer's bill is prorated. That can result in either too  
20     high or too low of a customer count. Since our department  
21     works with individual customer data, we know exactly the  
22     number of customers involved and can therefore make the  
23     appropriate adjustments.

24           On the second page of Schedule 1 are shown the  
25     changes caused by the mismatch in timing between when the  
26     transportation customers are booked for their

Direct Testimony of  
Michael S. Proctor

1 transportation volumes and their sales volumes. The  
2 adjustment has two parts. First, the Staff's total volumes  
3 for transportation customers reflect the actual volumes  
4 going through the customer's meter during the test period.  
5 Second, Missouri Public Service is currently balancing for  
6 its transportation customers, but in the near future, the  
7 pipelines will take over that function. Thus, the volumes  
8 sold for balancing to these customers were transferred from  
9 sales to transportation.

10 Q. What do you mean by balancing for a  
11 transportation customer?

12 A. As Mr. Warren's analysis indicates, several  
13 of these customers are weather sensitive, and faced with  
14 the uncertainty of weather conditions, they must nominate  
15 volumes a month in advance. If they nominate more gas than  
16 they use, then their balance increases. If they nominate  
17 less gas than they use, their balance decreases. If their  
18 balance goes negative, then the transportation customer is  
19 charged for sales gas by the Company.

20 Q. What other adjustments are shown on the  
21 second page of Schedule 1?

22 A. There are three annualizations made for  
23 customers whose volumes are known to be changing from their  
24 test year levels. One customer has gone off; another  
25 customer will experience decreased usage due to a plant  
26 slowdown; while a third customer's volumes will increase

Direct Testimony of  
Michael S. Proctor

1 due to a substantial increase in planned plant production.  
2 The third adjustment shown on that same page is due to  
3 normalization for weather and days.

4 Q. What is a normalization for days?

5 A. Most billing periods over which customer  
6 meters are read are close but not equal to 365 days. For  
7 the weather sensitive portion of the customers' use, the  
8 weather normalization accounts for this discrepancy by  
9 using normal heating degree days. But for the non-weather  
10 sensitive component, an additional adjustment is required.

11 Q. What is on the third page of Schedule 1?

12 A. There is a special declining block provision  
13 in MPS natural gas tariffs for customers using over 300,000  
14 MCFs per year. There are five such customers. Because our  
15 department has the individual customer data, we blocked the  
16 normalized usage of these customers and calculated their  
17 revenues. This information, along with the remaining  
18 normalized volumes shown in the lower right hand table of  
19 this Schedule were provided to Mr. Larry Cox of the  
20 accounting department. One of his responsibilities is to  
21 determine a customer annualization factor for the  
22 residential and commercial firm classes and to calculate  
23 the appropriate level of test year revenues.

24 Q. What classes were specified for the rate  
25 design?

Direct Testimony of  
Michael S. Proctor

1           A. There are currently three rate classes for  
2 non-gas cost (margin) rates: residential; general service;  
3 and interruptible/transportation. The Staff's proposed  
4 rate design will also have three rate classes:  
5 residential, general service; and large volume.

6           Q. What is the difference between the current  
7 interruptible/transportation and large volume rate classes?

8           A. The current tariffs put a customer on the  
9 interruptible/transportation tariff when they reach 3,000  
10 MCFs per month in any one month. The Staff's proposed  
11 large volume tariff applies to all transportation and  
12 interruptible customers as well as firm customers who use  
13 15,000 MCFs per year. The designation of transportation or  
14 interruptible are needed for purposes of gas costs, but are  
15 not needed for the purpose of setting margin rates.  
16 Therefore, the label "large volume" is used rather than  
17 "interruptible/transportation".

18           Q. Does the large volume rate class include the  
19 same customers currently on the interruptible/  
20 transportation tariff?

21           A. Yes, it does. In addition, five large  
22 commercial firm and two large industrial firm customers  
23 have been added to that class.

24           Q. Are the cost-of-service classes the same as  
25 the rate classes?

Direct Testimony of  
Michael S. Proctor

1           A. The cost-of-service classes are residential,  
2 small general service, medium general service and large  
3 volume. Moreover, for purposes of allocating costs, the  
4 general service class covers too broad of a spectrum of  
5 customers; i.e., from those as small as residential users  
6 to those that are almost as large as the large volume  
7 customers. The split between small and medium general  
8 service was made at 1,500 MCF per year. Thus, non-  
9 residential customers are divided into three groups:

<u>MCFs/year</u>	<u>C-O-S Class</u>
0 - 1,500	Small
1,500 - 15,000	Medium
Over 15,000	Large

10  
11  
12  
13  
14  
15  
16           Q. Since you split the general service class  
17 between small and medium, why didn't you have two separate  
18 rates?

19           A. For ease of rate application we decided to  
20 use a blocked rate structure rather than having two  
21 separate classes. The rate design for the general service  
22 class has a customer charge and four blocks:

	<u>CCFs/month</u>
Block 1:	0 - 600
Block 2:	600 - 1,400
Block 3:	1,400 - 2,400
Block 4:	Over 2,400

23  
24  
25  
26  
27  
28  
29  
30           Almost all of the small general service use falls into the  
31 first three blocks.

32           Q. What are the average load characteristics of  
33 the four cost-of-service classes?



Direct Testimony of  
Michael S. Proctor

1           A. The number of customers, annual usage, peak  
2 demands and annual load factors of each class are shown on  
3 the first table of Schedule 2 attached to my direct  
4 testimony. On the second table of that same schedule are  
5 the annual usages, and peak day demands per customer. By  
6 dividing the annual usage per customer and peak day demand  
7 per customer for all classes by those of the system  
8 average, a measure of the relative difference in size for  
9 each class is obtained. Relative size and load factor are  
10 two of the major characteristics that determine cost-of-  
11 service. From these calculated ratios, it can be seen that  
12 the small general service class is approximately the size  
13 of the system average, while the medium general service  
14 class is sixteen to eighteen times larger.

15           Q. What are the proposed rates for each class?

16           A. The proposed rates for each class along with  
17 the billing units and revenues are shown on Schedule 3  
18 attached to my direct testimony.

19           Q. How were the rates calculated for the  
20 residential class?

21           A. Ms. Anne Ross determined the direct costs of  
22 meters, service lines, meter reading, billing and customer  
23 expense. These costs are included in the customer charge.  
24 All other allocated costs are included in the commodity  
25 charge.

Direct Testimony of  
Michael S. Proctor

1                   Q. How were the billing units developed for the  
2 residential class?

3                   A. Staff witness James A. Gray normalized sales  
4 for the residential class, and Mr. Larry Cox determined an  
5 annualized number of customers. The customer annualization  
6 factor was applied to Mr. Gray's normalized sales to  
7 determine annual usage and annual bills.

8                   Q. How were the billing units developed for the  
9 large volume class?

10                  A. Staff witness Henry E. Warren normalized  
11 sales for all industrial firm, interruptible and  
12 transportation customers. Two industrial firm customers  
13 above 15,000 MCF per year were included with the  
14 interruptible and transportation customers to make up the  
15 sales for the large volume class. In addition, I  
16 normalized the sales for the five large commercial firm  
17 customers who are also included in this class.

18                  Q. How were the rates calculated for the large  
19 volume class?

20                  A. The customer charge and commodity charges  
21 come directly from the Staff's cost-of-service study.

22                  Q. How were the billing units developed for the  
23 general service class?

24                  A. The Company provided the Staff with a billing  
25 tape from the test year which included individual customer  
26 monthly usage. Ms. Janice Pyatte ran a bill frequency

Direct Testimony of  
Michael S. Proctor

1 program to determine the usage in each rate block for the  
2 small commercial firm and total commercial firm customers.  
3 I removed the large commercial firm usage and then applied  
4 regression analysis to determine the relationship between  
5 usage in each rate block to average usage per customer.  
6 Mr. Gray normalized the usage per customer for the  
7 commercial firm customers. I removed the large commercial  
8 firm usage from Mr. Gray's monthly normals and allocated  
9 the remainder between the small and medium classes. Using  
10 the resulting normalized levels per customer, I estimated  
11 the billing units for the small and medium commercial firm  
12 customers. In addition, I calculated the usage in each  
13 block for the normalized monthly use for each of the  
14 industrial firm customers in the general service class.  
15 Adding together these various components gives the billing  
16 units for the general service class.

17 Q. How were the rates calculated for the general  
18 service class?

19 A. The rates were calculated so that they would  
20 collect the costs allocated to the small and medium cost-  
21 of-service classes. The customer charge is set equal to  
22 the current level of \$15 per month, the initial block  
23 commodity rate is set just below the residential commodity  
24 rate, and the tail block rate is set equal to the large  
25 volume commodity rate. At 60 MCF, the residential and  
26 general service rate approximately collect the same

Direct Testimony of  
Michael S. Proctor

1 revenues. The reason for doing this is that there are many  
2 small general service customers whose cost-of-service are  
3 equal to that of serving a typical residential customer.

4 Q. What revenues are recovered from the small  
5 and medium general service customers?

6 A. The rates, billing units and resulting  
7 revenues for small commercial, small industrial, medium  
8 commercial and medium industrial are shown on Schedule 4  
9 attached to my direct testimony. The revenues recovered  
10 from the small and medium general service class are the  
11 cost-of-service revenue requirements from the Staff's class  
12 cost-of-service study.

13 Q. Does this complete your direct testimony?

14 A. Yes, it does.

15

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI

In the matter of Missouri Public Service )  
tariff sheets designed to increase rates for )  
gas service provided to customers in the ) CASE NO. GR-93-172  
Missouri service area of the company. )

AFFIDAVIT OF MICHAEL S. PROCTOR

STATE OF MISSOURI )  
 ) ss  
COUNTY OF COLE )

Michael S. Proctor, of lawful age, on his oath states: that he has participated in the preparation of the foregoing written testimony in question and answer form, consisting of 11 pages of testimony to be presented in the above case, that the answers in the attached written testimony were given by him; that he has knowledge of the matters set forth in such answers; and that such matters are true to the best of his knowledge and belief.

Michael S. Proctor  
Michael S. Proctor

Subscribed and sworn to before me this 27<sup>th</sup> day of May, 1993.

Judy Fritsch  
JUDY FRITSCH Notary Public  
NOTARY PUBLIC STATE OF MISSOURI  
COLE COUNTY  
MY COMMISSION EXP. AUG. 15, 1993

My commission expires \_\_\_\_\_

**MISSOURI PUBLIC SERVICE GAS**  
GR-93-172  
**TRANSFERS BY DISTRICTS**

	Test Year			
	MCFs Sales	MCFs Trans	MCFs Total	Bills Total
800	2,442,580	0	2,442,580	317,716
801	1,121,375	0	1,121,375	37,508
802	96,714	0	96,714	302
804	848,074	0	848,074	112,706
805	443,233	0	443,233	16,188
806	54,401	0	54,401	177
812	15,158	678,467	693,625	72
817	13,705	101,209	114,914	37
818	152,754	2,066,122	2,218,876	200
Sub T	5,187,994	2,845,798	8,033,792	484,906
Int Dep	2,812	0	2,812	0
Total	5,190,806	2,845,798	8,036,604	484,906

	Transfers From			
	MCFs Sales	MCFs Trans	MCFs Total	Bills Total
800	0	0	0	0
801	(29,514)	0	(29,514)	(14)
802	(8,312)	0	(8,312)	(4)
804	0	0	0	0
805	(13)	0	(13)	(2)
806	0	0	0	0
812	0	0	0	0
817	0	0	0	(1)
818	(3,661)	(12,236)	(15,897)	(24)
Sub T	(41,500)	(12,236)	(53,736)	(45)
Int Dep	0	0	0	0
Total	(41,500)	(12,236)	(53,736)	(45)

Note: Corrects 817 to have 3 customers in January.

	Transfers To			
	MCFs Sales	MCFs Trans	MCFs Total	Bills Total
800	0	0	0	0
801	0	0	0	0
802	16,083	0	16,083	23
804	0	0	0	0
805	0	0	0	0
806	13	0	13	3
812	0	0	0	0
817	0	0	0	0
818	37,640	0	37,640	16
Sub T	53,736	0	53,736	42
Int Dep	0	0	0	0
Total	53,736	0	53,736	42

	Test Year With Transfers			
	MCFs Sales	MCFs Trans	MCFs Total	Bills Total
800	2,442,580	0	2,442,580	317,716
801	1,091,861	0	1,091,861	37,494
802	104,485	0	104,485	321
804	848,074	0	848,074	112,706
805	443,220	0	443,220	16,186
806	54,414	0	54,414	180
812	15,158	678,467	693,625	72
817	13,705	101,209	114,914	36
818	186,733	2,053,886	2,240,619	192
Sub T	5,200,230	2,833,562	8,033,792	484,903
Int Dep	2,812	0	2,812	0
Total	5,203,042	2,833,562	8,036,604	484,903

Note: Includes Prorations of -5 to 802 and +2 to 818.

MISSOURI PUBLIC SERVICE GAS  
GR-93-172  
*NORMALIZATIONS BY DISTRICTS*

Adjustments to Sales/Transportation				
	MCFs Sales	MCFs Trans	MCFs Total	Bills Total
800	0	0	0	0
801	0	0	0	0
802	0	0	0	0
804	0	0	0	0
805	0	0	0	0
806	0	0	0	0
812	(15,158)	62,685	47,527	0
817	(259)	6	(253)	0
818	(80,582)	89,185	8,603	0
Sub T	(95,999)	151,876	55,877	0
Int Dep	0	0	0	0
Total	(95,999)	151,876	55,877	0

Adjustments to Customer Volumes				
	MCFs Sales	MCFs Trans	MCFs Total	Bills Total
800	0	0	0	0
801	0	0	0	0
802	(15,617)	0	(15,617)	(9)
804	0	0	0	0
805	0	0	0	0
806	0	0	0	0
812	0	0	0	0
817	0	0	0	0
818	0	276,978	276,978	0
Sub T	(15,617)	276,978	261,361	(9)
Int Dep	0	0	0	0
Total	(15,617)	276,978	261,361	(9)

Adjustments for Weather & Days				
	MCFs Sales	MCFs Trans	MCFs Total	Bills Total
800	126,968	0	126,968	0
801	53,601	0	53,601	0
802	5,476	0	5,476	0
804	77,177	0	77,177	0
805	38,115	0	38,115	0
806	2,149	0	2,149	0
812	0	3,326	3,326	0
817	1,292	5,354	6,646	0
818	2,254	6,818	9,072	0
Sub T	307,032	15,498	322,530	0
Int Dep	0	0	0	0
Total	307,032	15,498	322,530	0

Normalized Totals				
	MCFs Sales	MCFs Trans	MCFs Total	Bills Total
800	2,569,549	0	2,569,549	317,716
801	1,145,462	0	1,145,462	37,494
802	94,344	0	94,344	312
804	925,251	0	925,251	112,706
805	481,335	0	481,335	16,186
806	56,563	0	56,563	180
812	0	744,478	744,478	72
817	14,738	106,569	121,307	36
818	108,405	2,426,867	2,535,272	192
Sub T	5,395,647	3,277,914	8,673,561	484,894
Int Dep	2,812	0	2,812	0
Total	5,398,459	3,277,914	8,676,373	484,894

MISSOURI PUBLIC SERVICE GAS  
GR-93-172  
**ACCOUNTING FOR LARGE BLOCK CUSTOMERS**

Removing Large Block Customer				
	MCFs Block 1	MCFs Block 2	MCFs Total	Bills Total
800	0	0	0	0
801	0	0	0	0
802	0	0	0	0
804	0	0	0	0
805	0	0	0	0
806	0	0	0	0
812	237,141	67,773	304,914	12
817	0	0	0	0
818	892,440	893,012	1,785,452	48
Sub T	0	0	2,090,366	0
Int Dep	0	0	0	0
Total	0	0	2,090,366	0

Pricing Large Block Customer				
	Block 1 \$0.5487	Block 2 \$0.3029	Customer \$215	Total
800	\$0	\$0	\$0	\$0
801	\$0	\$0	\$0	\$0
802	\$0	\$0	\$0	\$0
804	\$0	\$0	\$0	\$0
805	\$0	\$0	\$0	\$0
806	\$0	\$0	\$0	\$0
812	\$130,119	\$20,528	\$2,580	\$153,228
817	\$0	\$0	\$0	\$0
818	\$489,682	\$270,493	\$10,320	\$770,495
Sub T	\$619,801	\$291,022	\$12,900	\$923,723
Int Dep	\$0	\$0	\$0	\$0
Total	\$619,801	\$291,022	\$12,900	\$923,723

Removing Large Block Customer				
	MCFs Sales	MCFs Trans	MCFs Total	Bills Total
800	0	0	0	0
801	0	0	0	0
802	0	0	0	0
804	0	0	0	0
805	0	0	0	0
806	0	0	0	0
812	0	(304,914)	(304,914)	(12)
817	0	0	0	0
818	0	(1,785,452)	(1,785,452)	(48)
Sub T	0	(2,090,366)	(2,090,366)	(60)
Int Dep	0	0	0	0
Total	0	(2,090,366)	(2,090,366)	(60)

Normalized Totals w/o LBC				
	MCFs Sales	MCFs Trans	MCFs Total	Bills Total
800	2,569,549	0	2,569,549	317,716
801	1,145,462	0	1,145,462	37,494
802	94,344	0	94,344	312
804	925,251	0	925,251	112,706
805	481,335	0	481,335	16,186
806	56,563	0	56,563	180
812	0	439,564	439,564	60
817	14,738	106,569	121,307	36
818	108,405	641,415	749,820	144
Sub T	5,395,647	1,187,548	6,583,195	484,834
Int Dep	2,812	0	2,812	0
Total	5,398,459	1,187,548	6,586,007	484,834



# USAGE AND DEMAND CHARACTERISTICS

## BY COST OF SERVICE CLASS

**TABLE 1: COST OF SERVICE CLASS TOTALS**

COST-OF-SERVICE CLASSES	CUSTOMERS	ANNUAL USAGE	PK DMD	LOAD FACTOR
RESIDENTIAL	35,868	3,494,800	36,631	26.14%
SMALL GENERAL SERVICE	4,323	993,293	10,579	25.72%
MEDIUM GENERAL SERVICE	186	646,602	6,021	29.42%
LARGE VOLUME	32	3,538,866	18,311	52.95%
TOTAL SYSTEM	40,409	8,673,561	71,542	33.22%

Note: These numbers do not reflect the customer annualization.

**TABLE 2: PER CUSTOMER AVERAGES AND RATIOS**

COST-OF-SERVICE CLASSES	MCF/CUST	DMD/CUST	RATIO MCF/CUST	RATIO DMD/CUST
RESIDENTIAL	97.44	1.02	0.454	0.577
SMALL GENERAL SERVICE	229.77	2.45	1.070	1.382
MEDIUM GENERAL SERVICE	3,476.35	32.37	16.196	18.284
LARGE VOLUME	110,589.56	572.22	515.222	323.206
TOTAL SYSTEM	214.64	1.77	1.000	1.000

**STAFF PROPOSED RATE DESIGN  
MISSOURI PUBLIC SERVICE COMPANY  
CASE NO. GR-93-172**

<b>Classes</b>	<b>Units</b>	<b>Rates</b>	<b>Revenues</b>
<b>Residential</b>			
Bills	432,853	\$9.50	\$4,112,104
MCF	3,514,511	\$2.1623	\$7,599,427
			<b>\$11,711,531</b>
<b>General Service</b>			
Bills	54,558	\$15.00	\$818,370
0-60	895,951	\$2.1500	\$1,926,294
60-140	248,173	\$1.2265	\$304,385
140-240	209,302	\$0.5053	\$105,760
GT 240	299,882	\$0.2237	\$67,084
Total MCF	1,653,309		<b>\$3,221,893</b>
<b>Large Volume</b>			
Bills	381	\$113.00	\$43,053
MCF	3,539,620	\$0.2237	\$791,813
			<b>\$834,866</b>

## GENERAL SERVICE CLASS BILLING UNITS

Classes	Bills	0-60	60-140	140-240	GT 240	Total
Com Sml	52,126	787,905.3	157,908.1	43,596.4	3,414.5	992,824.3
Ind Sml	192	5,336.3	2,569.7	833.8	304.9	9,044.7
<b>GS Sml</b>	<b>52,318</b>	<b>793,241.6</b>	<b>160,477.8</b>	<b>44,430.1</b>	<b>3,719.5</b>	<b>1,001,869.0</b>
Com Med	1,964	89,327.8	73,023.8	149,889.4	243,177.4	555,418.4
Ind Med	276	13,381.5	14,671.9	14,982.7	52,985.5	96,021.6
<b>GS Med</b>	<b>2,240</b>	<b>102,709.2</b>	<b>87,695.7</b>	<b>164,872.1</b>	<b>296,163.0</b>	<b>651,440.0</b>
<b>Genl Serv</b>	<b>54,558</b>	<b>895,950.8</b>	<b>248,173.5</b>	<b>209,302.2</b>	<b>299,882.5</b>	<b>1,653,309.0</b>

## GENERAL SERVICE CLASS PROPOSED RATES

Classes	Cust Chrg	0-600	600-1,400	1,400-2,400	GT 2,400	Average
<b>Genl Serv</b>	<b>\$15.00</b>	<b>\$2.1500</b>	<b>\$1.2265</b>	<b>\$0.5053</b>	<b>\$0.2237</b>	<b>\$1.4538</b>

## GENERAL SERVICE CLASS PROPOSED REVENUES

Classes	Bills	0-600	600-1,400	1,400-2,400	GT 2,400	Total
Com Sml	\$781,890	\$1,693,996	\$193,674	\$22,029	\$764	\$2,692,354
Ind Sml	\$2,880	\$11,473	\$3,152	\$421	\$68	\$17,994
<b>GS Sml</b>	<b>\$784,770</b>	<b>\$1,705,469</b>	<b>\$196,826</b>	<b>\$22,451</b>	<b>\$832</b>	<b>\$2,710,348</b>
Com Med	\$29,460	\$192,055	\$89,564	\$75,739	\$54,399	\$441,216
Ind Med	\$4,140	\$28,770	\$17,995	\$7,571	\$11,853	\$70,329
<b>GS Med</b>	<b>\$33,600</b>	<b>\$220,825</b>	<b>\$107,559</b>	<b>\$83,310</b>	<b>\$66,252</b>	<b>\$511,545</b>
<b>Genl Serv</b>	<b>\$818,370</b>	<b>\$1,926,294</b>	<b>\$304,385</b>	<b>\$105,760</b>	<b>\$67,084</b>	<b>\$3,221,893</b>