

Exhibit No.:
Issue: Rate Design
Witness: Wilbon L. Cooper
Type of Exhibit: Direct Testimony
Sponsoring Party: Union Electric Company
Case No.:
Date Testimony Prepared: May 23, 2003

MISSOURI PUBLIC SERVICE COMMISSION

CASE NO. _____

DIRECT TESTIMONY

OF

WILBON L. COOPER

ON BEHALF OF

**UNION ELECTRIC COMPANY,
d/b/a AmerenUE**

**St. Louis, Missouri
May 2003**

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of Union Electric Company,
d/b/a AmerenUE, for Authority to File
Tariffs Increasing Rates for Gas Service
Provided to Customers in the Company's
Missouri Service Area.

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Case No. _____

AFFIDAVIT OF WILBON L. COOPER

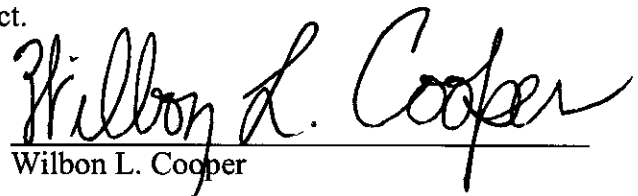
STATE OF MISSOURI)
) ss
CITY OF ST. LOUIS)

Wilbon L. Cooper, being first duly sworn on his oath, states:

1. My name is Wilbon L. Cooper. I work in St. Louis, Missouri, and I am employed by Ameren Services Company as Manager, Rate Engineering.

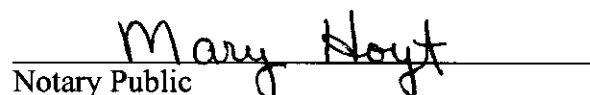
2. Attached hereto and made a part hereof for all purposes is my Direct Testimony on behalf of Union Electric Company d/b/a AmerenUE consisting of 9 pages, Appendix A, and Schedules WLC-1 through WLC-6, all of which have been prepared in written form for introduction into evidence in the above-referenced docket.

3. I hereby swear and affirm that my answers contained in the attached testimony to the questions therein propounded are true and correct.



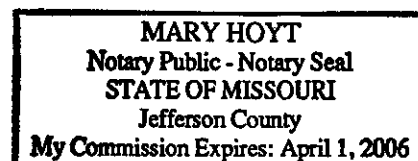
Wilbon L. Cooper

Subscribed and sworn to before me this 22nd day of May, 2003.



Notary Public

My commission expires: 4-1-2006



DIRECT TESTIMONY

OF

WILBON L. COOPER

CASE NO. _____

Q. Please state your name and business address.

A. My name is Wilbon L. Cooper. My business address is One Ameren Plaza, 1901 Chouteau Avenue, St. Louis, Missouri 63103.

Q. By whom and in what capacity are you employed?

A. I am employed by Ameren Services Company as Manager of the Rate Engineering Department of Corporate Planning. In this capacity I provide rate engineering services to Union Electric Company, d/b/a AmerenUE (referred to herein as “Company” or “AmerenUE”).

Q. What is your educational background, work experience and duties of your position?

A. This information is summarized in Appendix A, which is attached to this testimony.

Q. What was your responsibility in the preparation of this case, and what is the extent and purpose of this testimony?

A. My responsibility includes the overall coordination and preparation of a) the weather normalization of test year sales and revenues along with other miscellaneous test year billing adjustments (see the direct testimony of Company witness James R. Pozzo); b) the development of a fully allocated class cost of service study (see the direct testimony of Company witness William M. Warwick); and c) the design and

Direct Testimony of
Wilbon L. Cooper

1 development of the proposed individual customer class rates and associated tariffs. My
2 testimony will specifically address only the rate design and other tariff changes being
3 proposed in this case.

4 **Q. Have you prepared or have there been prepared under your direction**
5 **and supervision a series of schedules for presentation to the Commission in this**
6 **proceeding?**

7 A. Yes. In addition to Appendix A mentioned above, I am sponsoring
8 Schedules WLC-1 through WLC-6.

9 **Q. Please identify Schedule WLC-1.**

10 A. Schedule WLC-1 consists of five (5) tariff sheets which reflect the revised
11 rates and miscellaneous tariff revisions being proposed by the Company for approval by
12 the Commission in this proceeding. Such tariffs would provide an increase in the
13 Company's net Missouri jurisdictional normalized test year revenue of approximately
14 \$26.7 million, or 17.8%, over the annualized test year (12 months ending December 31,
15 2002) revenue realized from the tariffs which were effective at the time of filing.

16 **Q. Please identify Schedule WLC-2.**

17 A. Schedule WLC-2 shows the distribution of the proposed net revenue
18 increase to the Company's various customer service classifications, resulting from the
19 proposed tariffs in Schedule WLC-1, excluding gross receipts taxes levied on customer
20 billings by the various municipalities within the Company's service area.

1 **Q. Please identify Schedule WLC-3.**

2 A. Schedule WLC-3 illustrates the effects of the proposed rates in
3 Schedule WLC-1 upon typical monthly bills of customers served under the Company's
4 present rate classifications.

5 **Q. Please identify Schedule WLC-4.**

6 A. Schedule WLC-4 consists of five (5) tariff sheets which reflect the revised
7 rates and miscellaneous tariff revisions being proposed by the Company if the
8 Commission approves the Company's proposals to mitigate the impact of the Company's
9 proposed rate increase as described in the direct testimony of Company witness
10 Warner L. Baxter. Such tariffs would provide for an increase of fifty percent (50%) of
11 the \$26.7 million dollar increase effective December 1, 2003, with the implementation of
12 the remaining 50% effective November 1, 2004.

13 **Q. Please identify Schedule WLC-5.**

14 A. Schedule WLC-5 shows the distribution of the proposed first year phase-in
15 (effective December 1, 2003) or "mitigated" net revenue increase to the Company's
16 various customer service classifications, resulting from the December 1, 2003 rates
17 proposed in the tariffs in Schedule WLC-4, excluding gross receipts taxes levied on
18 customer billings by the various municipalities within the Company's service area.

19 **Q. Please identify Schedule WLC-6.**

20 A. Schedule WLC-6 illustrates the effects of the proposed first year phase-in
21 rates in Schedule WLC-4 upon typical monthly bills of customers served under the
22 Company's present rate classifications.

23

RATE DESIGN

Q. Please define the term “rate design.”

A. The term “rate design” refers both to the process of establishing the individual and specific charges (e.g. monthly customer charges, cents per Ccf), as well as to the actual structure of an individual class rate. The rate design or structure of a given class rate may range in complexity from the simple structure of the monthly customer charge and flat charge per Ccf within the Company’s Residential Rate, to the more complex set of customer and blocked per Ccf charges for interruptible and assurance gas charges in the Company’s Interruptible Service Rate. In all instances, however, the charges within each specific rate class are established such that the application of these individual charges to the total annual or test year customer class usage will result in the collection of the annual revenue requirement, or cost of service, of each of the Company’s rate classes.

Q. What were the Company’s principal objectives in the design and development of the proposed individual customer class rates reflecting the Company’s proposed full rate increase?

A. The Company’s principal objectives were a) to have total revenue from the proposed rates equal the annual test year revenue requirement of each customer class; and b) to have the design of each rate reflect the class cost of service study as nearly as practicable. The costs, or revenue requirements, for serving each customer class were developed in a study sponsored by Company witness William M. Warwick in his direct testimony in this case. Such revenue requirements reflect Mr. Warwick’s adjustments of proposed class revenue requirements to produce equal class rates of return.

1 **Q. Why are class revenue requirements based on equal rates of return**
2 **for all customer classes an appropriate starting point in the design of gas utility**
3 **rates?**

4 A. There are several reasons why equal class rates of return are appropriate.
5 First is the consideration of equity to all gas customers. As total costs must ultimately be
6 recovered, overcharging one customer class in order to subsidize another class is patently
7 unfair to the customer class being overcharged.

8 A second important consideration in support of equal class rates of return
9 is the fact that such rates facilitate the cost effective utilization of gas by customers. To
10 make appropriate decisions regarding the most efficient and effective use of gas, as well
11 as the acquisition of gas consuming equipment, customers require correct and appropriate
12 price signals through the Company's gas rates.

13 A third consideration is that of competition. Cost based gas rates are
14 essential for the Company to compete effectively with alternative fuels, bypass
15 alternatives, and other utilities for industrial customers.

16 **Q. Mr. Cooper, how were the charges within the Residential Service Rate**
17 **adjusted to recover the proposed class revenue requirements?**

18 A. The Residential class monthly Customer Charge was increased to \$16.00
19 which moves closer to the full recovery of the approximately \$20.00 in customer-related
20 costs that was quantified in the direct testimony of Company witness William M.
21 Warwick. While the \$20.00 monthly customer charge is cost justified, the Company is
22 cognizant of bill impact concerns and, as a result, elected to move only part way to the
23 fully cost-based charge. The Company's proposal represents an increase of \$7.00 per

Direct Testimony of
Wilbon L. Cooper

1 month over its existing residential customer charge of \$9.00. The Company proposes to
2 collect the shortfall in customer costs, along with the Residential class' remaining
3 non-customer related revenue requirement, in its volumetric charge for this class.

4 **Q. Mr. Cooper, how were the charges within each non-residential rate**
5 **schedule adjusted to recover each class' proposed class revenue requirement?**

6 A. The class Customer Charges were increased to levels which are closer to
7 the full recovery of customer-related costs as quantified in the direct testimony of
8 Company witness William M. Warwick. The resulting class revenues provided by the
9 proposed Customer Charges were subtracted from Mr. Warwick's total revenue
10 requirements for each customer class. The remaining revenue requirement for these
11 classes was then recovered through the volumetric Delivery Charges while maintaining
12 the existing rate design. This existing rate design contains a uniform rate for the first
13 7,000 therms of monthly usage for all of the non-residential rate classes. The Company
14 is proposing to maintain this design to minimize any concerns relating to rate migration
15 or rate continuity.

16 **Q. Mr. Cooper, do the proposed rates recover each class' respective cost**
17 **of service based revenue requirement?**

18 A. The proposed rates for the Residential Service, General Service, and Large
19 Volume Transportation Service recover each class' respective cost of service based
20 revenue requirement. However, while the proposed rates for the Company's Interruptible
21 Service and Standard Transportation Service recover the cost-based revenue requirement
22 on a combined basis, the individual class revenues do not match the cost of service based
23 revenue requirement.

1 **Q. Please explain.**

2 A. To achieve the Company's previously stated goals of uniformity of the
3 first rate block for the non-residential classes, rate continuity, and minimization of rate
4 migration, it was necessary to combine the revenue requirements of the Company's
5 Interruptible Service and Standard Transportation Service classes. It should be noted that
6 the annual volumetric use of the Interruptible class represents approximately two percent
7 (2%) of the Company's total test year volumes, while the Standard Transportation class
8 represents more than nine percent (9%). Therefore, rate design objectives associated with
9 the Interruptible Service class could be easily met with minimal impact on the Standard
10 Transportation class due to low volumes and associated cost-based revenue requirements
11 of the Interruptible class. Additionally, customers within these classes are somewhat
12 homogeneous but for the gas supply interruptibility of the Interruptible class. As a result,
13 the combining of the cost based revenue requirements for these classes can be justified
14 based on cost of service principles and the achievement of certain rate design goals.

15 **Q. Does the resultant rate design for the Interruptible Service Class**
16 **reflect the avoidance of certain gas supply costs during the Company's peak load**
17 **periods?**

18 A. Yes, it does. The proposed rate for monthly usage over 7,000 therms is
19 lower than the comparable rate for "firm" General Gas Service.

20 **Q. Is the Company proposing to increase its monthly Electronic Gas**
21 **Meter (EGM) Charges for transportation service?**

22 A. No. These charges were updated in the Company's last rate case (2000)
23 and typically wouldn't be expected to materially change over a period of two years. This

1 consideration, along with the small amount of class revenues associated with these
2 charges did not warrant a review of these charges.

3 **Q. Did you adjust the rates as described above to reflect the Company's**
4 **proposal to mitigate the impact of the proposed rate increase with a phase-in of fifty**
5 **percent (50%) of this increase effective December 1, 2003?**

6 A. Yes. The difference in current rate values and those values which were
7 determined, as described above, to reflect the Company's proposed full increase was
8 reduced by approximately fifty percent (50%) and added back to existing rate values to
9 achieve the lower rate increase. The resulting impacts of these proposed rates upon
10 typical monthly bills of customers are illustrated in Schedule WLC-6.

11 **Q. Mr. Cooper, what other changes are being proposed to the**
12 **Company's rate schedules?**

13 A. The Company is proposing to modify its tariffs in order to index the
14 interest rate that it is currently paying on customer deposits. The current interest rate in
15 the Company's tariff applicable to customer deposits is 9.5%, which is far in excess of
16 current market rates for such interest bearing investments such as pass book savings
17 accounts, certificates of deposit, money market funds, etc. Additionally, the current
18 language is inconsistent with similar tariff provisions on interest on customer deposits for
19 the Company's retail electric service in Missouri.

20 **Q. What specific revision in this tariff is the Company proposing?**

21 A. Rather than having the tariff contain a fixed interest rate which requires
22 both Company and Commission action to make periodic updates, the Company is
23 proposing that the rate of interest on deposits be calculated annually in November of each

Direct Testimony of
Wilbon L. Cooper

1 year, for use during the following calendar year. Per the Stipulation and Agreement in
2 Missouri Public Service Commission Case No. EC-2002-1 (the Company's most recent
3 electric rate case) "the rate of interest to be paid on customer deposits in each year should
4 be one percentage point above the prime rate published in the Wall Street Journal as
5 being in effect on the last business day of November of the prior year." The current rate
6 for the year 2003 reflecting this provision is 5.25%. Interest on customer deposits
7 reflecting this current rate is included in the pro forma operating expenses contained in
8 the direct testimony of Company witness Gary S. Weiss. The specific tariff language
9 being proposed is attached hereto as page 5 of Schedules WLC-1 and WLC-4. This
10 language is identical to that contained in the Company's retail electric tariff provisions
11 pertaining to interest on customer deposits.

12 **Q. Does this conclude your direct testimony?**

13 A. Yes, it does.

QUALIFICATIONS OF WILBON L. COOPER

My name is Wilbon L. Cooper and I reside in St. Louis, Missouri.

My educational background consists of a Bachelor of Science degree in Electrical Engineering (BSEE) from the University of Missouri-Rolla.

I was employed as an Assistant Engineer in the Rate Engineering Department of Union Electric Company in June 1980. My work included assignments relating to the general analyses and administration of various aspects of Union Electric Company's electric, gas, and steam rates. In October 1989, I was appointed Supervising Engineer – Rate Analysis in the Rate Engineering Department of Corporate Planning at Ameren Services Company. In the latter position I was responsible for meeting the analytical requirements of the Company's retail gas and electric rates and wholesale electric rates, including load research and various cost of service and rate design studies, as assigned. I was appointed to my present position of Manager of Rate Engineering in March 2003.

I currently have responsibility for the general policies and practices associated with the day-to-day administration and design of Union Electric Company's electric and gas rate tariffs, riders and rules and regulations tariffs on file with the Missouri Public Service Commission and the Illinois Commerce Commission, and in the participation in various proceedings before these regulatory agencies. In addition, Rate Engineering is responsible for conducting class cost of service and rate design studies, and the participation in other projects of a general corporate nature, as requested by the Vice President of Corporate Planning.

I have previously submitted testimony before the regulatory commissions of Illinois, Missouri, and Iowa.

UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

RESIDENTIAL SERVICE RATE

Applicable to gas service to all residential customers as defined in Section I.H. of Company's Rules and Regulations. As indicated in Section IX., Resale of Service of Company's Rules and Regulations, this service may not be resold.

- * 1. Monthly Customer and Volumetric Meter Reading Rates.
- | | |
|------------------|-------------------|
| Customer Charge: | \$16.00 per month |
| Delivery Charge: | 35.066¢ per Ccf |
2. Minimum Monthly Charge. The Customer Charge.
3. Purchased Gas Adjustment. Applicable to all metered and/or billed Ccf, pursuant to the provisions of Rider A - Purchased Gas Adjustment Clause.
4. Yard Light Service. Any customer with an unmetered gas yard light will have 18 Ccf per month of gas added per light to each month's metered Ccf usage, for billing purposes. This unmetered yard light service is one of limited application. No new such unmetered service will be offered after February 18, 1998.
5. Seasonal Use. This schedule is a continuous service schedule. If service is disconnected at the request of the customer, and thereafter restored at the same location for the same occupant(s) within a twelve (12) month period following the date of the service disconnection, a reconnection charge will become due and payable when service is restored. The charge shall be computed by multiplying the Customer Charge by the number of months and fractions of months that service is disconnected, plus the Reconnection Charge as indicated in Section D. Miscellaneous Charges, Sheet No. 19.
6. Payments. Bills will be rendered at monthly intervals, are due and payable within ten (10) days from their date of rendition and become delinquent after twenty-one (21) days from their date of rendition. The date of rendition is the date of mailing by the Company. Late payment charges shall be determined pursuant to Section VIII.F. of Company's Rules and Regulations.

* Indicates Change.

DATE OF ISSUE May 23, 2003 DATE EFFECTIVE June 22, 2003

ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri
Name of Officer Title Address

UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

GENERAL SERVICE RATE

Applicable to gas service to non-residential customers. As indicated in Section IX., Resale of Service of Company's Rules and Regulations, this service may not be resold.

- * 1. Monthly Customer and Volumetric Meter Reading Rates.
- | | |
|------------------|-------------------|
| Customer Charge: | \$41.60 per month |
| Delivery Charge: | |
| First 7,000 Ccf | 26.70¢ per Ccf |
| Over 7,000 Ccf | 17.70¢ per Ccf |
2. Minimum Monthly Charge. The Customer Charge.
3. Purchased Gas Adjustment.
Applicable to all metered and/or billed Ccf, pursuant to the provisions of the Rider A - Purchased Gas Adjustment Clause.
4. Payments.
Bills will be rendered at monthly intervals and are due and payable within ten (10) days from their date of mailing, which due date shall be considered the delinquent date for this rate classification. Pursuant to Section VIII.F. of Company's Rules and Regulations, any portion of any bill, other than deposit arrears, remaining unpaid after the delinquent date will have a late payment charge added thereto.
5. Term of Contract.
Gas service will be provided under this rate for a period of not less than one year.
6. Tax Adjustment.
Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.
7. Rules and Regulations. Service will be rendered in accordance with the Company's Rules and Regulations for Gas Service on file with the Missouri Public Service Commission.

* Indicates Change.

DATE OF ISSUE May 23, 2003 DATE EFFECTIVE June 22, 2003
ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri
Name of Officer Title Address

UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

INTERRUPTIBLE SERVICE RATE WITH AN ASSURANCE GAS OPTION

1. Availability.

Whenever, in Company's sole judgment, gas is available for interruptible service, Company will make such service available to any qualified non-residential customer. To qualify, customer shall either provide adequate standby facilities and fuel for its use during periods when gas service is interrupted or shall give Company satisfactory evidence of its ability and willingness to curtail or cease operations during interruption. Gas service under other rates cannot be used for the same process, facility or equipment served under this rate. As indicated in Section IX. Resale of Service of Company's Rules and Regulations, this service may not be resold.

2. Character of Service.

All gas delivery under this rate will be subject to interruption under Section 9. hereof and all gas consumed by customer during periods of non-interruption will be billed at the Interruptible Gas Delivery Charge, except for Assurance volumes as provided below. As a part of the contract for interruptible service, customer may request the Company to provide a specified daily quantity of firm sales gas to be available during periods of interruption, to be categorized as Assurance Gas and billed by Company at the Interruptible Gas Delivery Charge plus the Assurance Gas Surcharge and the firm Purchased Gas Adjustment (PGA) factor rate. For billing purposes Assurance Gas volumes shall be considered the first through the meter. Customer will be required to contract with Company, by June 1 of the initial contract year, for the daily quantity of Assurance Gas desired. Customer must notify Company of any changes in such Assurance Gas Level by June 1 of subsequent contract extension years. All other gas consumed by customer during any period of interruption shall be considered and billed by Company as Unauthorized Gas.

* 3. Monthly Customer and Volumetric Meter Reading Rates.

Customer Charge:	\$300.00 per month
Interruptible Gas Delivery Charge:	
First 7,000 Ccf	26.70¢ per Ccf
Over 7,000 Ccf	12.26¢ per Ccf
Assurance Gas Surcharge:	
First 250 Ccf per day	6.30¢ per Ccf
All Over 250 Ccf per day	4.56¢ per Ccf

* Indicates Change.

DATE OF ISSUE	<u>May 23, 2003</u>	DATE EFFECTIVE	<u>June 22, 2003</u>
ISSUED BY	<u>C. W. Mueller</u>	Chairman & CEO	<u>St. Louis, Missouri</u>
	Name of Officer	Title	Address

UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

NATURAL GAS TRANSPORTATION SERVICE

1. Availability.

This service schedule is available: 1) to all non-residential customers on a per meter basis and 2) on an experimental basis through June 30, 2005, to the premises of "New Eligible School Entities," which are the eligible school entities as defined in Section 393.310 RSMo, that were not receiving Natural Gas Transportation Service as of July 31, 2002. Such service is applicable to individual customers that can individually secure and arrange for the delivery of sufficient supplies of natural gas to the Company's designated city gate and to the New Eligible School Entities that can do so through aggregate contracts negotiated by and through a not-for-profit school association. The Company will not provide this service to any customer who uses such gas primarily to heat a premise that provides temporary or permanent living quarters for individuals, unless the customer demonstrates to the Company that it has contracted for primary firm capacity with the upstream supplying intrastate and/or interstate pipelines to meet the customer's peak needs, or unless the customer demonstrates to the Company that the customer has adequate and usable alternative fuel facilities to meet the customer's energy needs.

The "transportation customer" shall be responsible for the purchase and transportation of its gas needs to the Company's city gate which serves such customer.

The Company shall not sell gas to any of its transportation customers except as specifically provided for in this service classification.

*2. Monthly Customer, EGM and Volumetric Meter Reading Rates. (5)

	<u>Standard Transportation (1)</u>	<u>Large Volume Transportation (2)</u>
Customer Charge:	\$41.60	\$1,500.00 per month
Electronic Gas Meter (EGM) Charges:		
Administrative Charge:	\$40.00	\$40.00 per month
Meter Equipment Charge (3):	Section G. Miscellaneous Charges Sheet No. 20.1, as applicable.	
Transportation Charge:		
First 7,000 Ccf	26.700¢ per Ccf	26.700¢ per Ccf
All Over 7,000 Ccf	12.020¢ per Ccf	9.699¢ per Ccf
Transportation Charge Adder:		
All Over 7,000 Ccf (4)	5.680¢ per Ccf	8.001¢ per Ccf

* Indicates Change.

DATE OF ISSUE May 23, 2003 DATE EFFECTIVE June 22, 2003
 ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri
Name of Officer Title Address

UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

X. Deposit Practices (Cont'd.)

2. Deposit refunds - The credit of the residential customer will be established and the deposit and accrued interest, if any, will be refunded, or the guarantor released, upon satisfactory payment before the delinquency date of all undisputed charges for service for a period of twelve successive months, or customer has closed his account. The credit of the non-residential customer will be reviewed after three years and the deposit returned if in the opinion of the Company, the customer has established satisfactory credit. The Company may withhold refund of the deposit or release of the guarantor pending the resolution of a matter in dispute involving disconnection for nonpayment or unauthorized interference by the customer. The Company may apply all deposits subject to refund and accrued interest, if any, against undisputed utility charges provided the amount of the refund is identified and disclosed on the bill.
- *3. Interest paid on deposits - Interest will be credited annually on all residential deposits. Interest will be either credited to the service account of the residential customer on an annual basis or paid upon the return of the deposit. Simple interest will be payable upon the return of a non-residential deposit held by the Company for six months or longer. Interest shall not accrue on any cash deposit after the date the deposit is applied to the customer's account, or Company has made a reasonable effort to return such deposit to the Customer. The interest rate shall be 9.5% per annum through December 31, 2003. Effective January 1, 2004 and thereafter, interest will be paid at a per annum rate equal to the prime bank lending rate, as published in the Wall Street Journal for the last business day of November of the preceding calendar year, plus one percentage point.
4. Final billed accounts - Upon discontinuance or termination, other than for a change of service address, the deposit, with accrued interest, will be credited to the final bill and the balance, if any, will be returned within twenty-one (21) days of the rendition of the final bill.

*Indicates Change.

DATE OF ISSUE May 23, 2003 DATE EFFECTIVE June 22, 2003

ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri
Name of Officer Title Address

UNION ELECTRIC COMPANY
SUMMARY OF PROPOSED MISSOURI GAS RATE REVISIONS
TEST YEAR 12 MONTHS ENDED DECEMBER 31, 2002

	Annual		Revenue ¹			
	<u>Bills</u>	<u>Ccf</u>	<u>Present</u>	<u>Proposed</u>	<u>Change</u>	<u>%</u>
Residential	1,190,336	71,123,802	\$77,683,198	\$97,044,004	\$19,360,806	24.9%
General	144,398	36,895,092	\$37,022,909	\$43,190,781	\$6,167,872	16.7%
Interruptible	156	4,079,283	\$3,058,814	\$3,190,628	\$131,814	4.3%
Transportation	<u>1,756</u>	<u>55,254,711</u>	<u>\$30,627,632</u>	<u>\$31,697,258</u>	<u>\$1,069,626</u>	<u>3.5%</u>
Subtotal	1,336,646	167,352,888	\$148,392,553	\$175,122,671	\$26,730,118	18.0%
Other Revenues	<u>NA</u>	<u>NA</u>	<u>\$1,580,838</u>	<u>\$1,580,838</u>	<u>\$0</u>	<u>0.0%</u>
Total	<u>1,336,646</u>	<u>167,352,888</u>	<u>\$149,973,391</u>	<u>\$176,703,509</u>	<u>\$26,730,118</u>	<u>17.8%</u>

¹ Includes an average PGA factor of 74.60¢/Ccf and 61.59¢/Ccf for Firm and Interruptible Service, respectively, and 50.00¢/Ccf gas for Transportation Service.

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY PANHANDLE EASTERN
RESIDENTIAL

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
10	\$18.29	\$26.84	\$8.55	46.75%
20	\$27.58	\$37.68	\$10.10	36.63%
30	\$36.87	\$48.52	\$11.65	31.60%
40	\$46.16	\$59.36	\$13.20	28.60%
50	\$55.45	\$70.20	\$14.75	26.61%
60	\$64.74	\$81.04	\$16.30	25.18%
70	\$74.03	\$91.88	\$17.85	24.12%
80	\$83.32	\$102.72	\$19.40	23.29%
90	\$92.61	\$113.57	\$20.96	22.63%
100	\$101.90	\$124.41	\$22.51	22.09%
110	\$111.19	\$135.25	\$24.06	21.64%
120	\$120.48	\$146.09	\$25.61	21.25%
130	\$129.77	\$156.93	\$27.16	20.93%
140	\$139.06	\$167.77	\$28.71	20.64%
150	\$148.35	\$178.61	\$30.26	20.40%
160	\$157.64	\$189.45	\$31.81	20.18%
170	\$166.93	\$200.29	\$33.36	19.98%
180	\$176.22	\$211.13	\$34.91	19.81%
190	\$185.51	\$221.97	\$36.46	19.65%
200	\$194.80	\$232.81	\$38.01	19.51%
210	\$204.09	\$243.65	\$39.56	19.38%
220	\$213.38	\$254.49	\$41.11	19.27%
230	\$222.67	\$265.33	\$42.66	19.16%
240	\$231.96	\$276.17	\$44.21	19.06%
250	\$241.25	\$287.02	\$45.77	18.97%
260	\$250.54	\$297.86	\$47.32	18.89%
270	\$259.83	\$308.70	\$48.87	18.81%
280	\$269.12	\$319.54	\$50.42	18.73%
290	\$278.41	\$330.38	\$51.97	18.67%
300	\$287.70	\$341.22	\$53.52	18.60%

* Includes a monthly PGA of 73.34¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY TEXAS EASTERN
RESIDENTIAL

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
10	\$19.08	\$27.63	\$8.55	44.81%
20	\$29.17	\$39.27	\$10.10	34.63%
30	\$39.25	\$50.90	\$11.65	29.68%
40	\$49.34	\$62.54	\$13.20	26.76%
50	\$59.42	\$74.17	\$14.75	24.83%
60	\$69.50	\$85.81	\$16.30	23.46%
70	\$79.59	\$97.44	\$17.85	22.43%
80	\$89.67	\$109.08	\$19.40	21.64%
90	\$99.76	\$120.71	\$20.96	21.01%
100	\$109.84	\$132.35	\$22.51	20.49%
110	\$119.92	\$143.98	\$24.06	20.06%
120	\$130.01	\$155.62	\$25.61	19.70%
130	\$140.09	\$167.25	\$27.16	19.39%
140	\$150.18	\$178.88	\$28.71	19.12%
150	\$160.26	\$190.52	\$30.26	18.88%
160	\$170.34	\$202.15	\$31.81	18.67%
170	\$180.43	\$213.79	\$33.36	18.49%
180	\$190.51	\$225.42	\$34.91	18.32%
190	\$200.60	\$237.06	\$36.46	18.18%
200	\$210.68	\$248.69	\$38.01	18.04%
210	\$220.76	\$260.33	\$39.56	17.92%
220	\$230.85	\$271.96	\$41.11	17.81%
230	\$240.93	\$283.60	\$42.66	17.71%
240	\$251.02	\$295.23	\$44.21	17.61%
250	\$261.10	\$306.87	\$45.77	17.53%
260	\$271.18	\$318.50	\$47.32	17.45%
270	\$281.27	\$330.13	\$48.87	17.37%
280	\$291.35	\$341.77	\$50.42	17.30%
290	\$301.44	\$353.40	\$51.97	17.24%
300	\$311.52	\$365.04	\$53.52	17.18%

* Includes an average monthly PGA of 81.28¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY NATURAL GAS PIPELINE
RESIDENTIAL

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
10	\$17.86	\$26.41	\$8.55	47.87%
20	\$26.72	\$36.82	\$10.10	37.80%
30	\$35.58	\$47.23	\$11.65	32.75%
40	\$44.44	\$57.65	\$13.20	29.71%
50	\$53.31	\$68.06	\$14.75	27.68%
60	\$62.17	\$78.47	\$16.30	26.23%
70	\$71.03	\$88.88	\$17.85	25.14%
80	\$79.89	\$99.29	\$19.40	24.29%
90	\$88.75	\$109.70	\$20.96	23.61%
100	\$97.61	\$120.12	\$22.51	23.06%
110	\$106.47	\$130.53	\$24.06	22.59%
120	\$115.33	\$140.94	\$25.61	22.20%
130	\$124.19	\$151.35	\$27.16	21.87%
140	\$133.05	\$161.76	\$28.71	21.58%
150	\$141.92	\$172.17	\$30.26	21.32%
160	\$150.78	\$182.59	\$31.81	21.10%
170	\$159.64	\$193.00	\$33.36	20.90%
180	\$168.50	\$203.41	\$34.91	20.72%
190	\$177.36	\$213.82	\$36.46	20.56%
200	\$186.22	\$224.23	\$38.01	20.41%
210	\$195.08	\$234.64	\$39.56	20.28%
220	\$203.94	\$245.06	\$41.11	20.16%
230	\$212.80	\$255.47	\$42.66	20.05%
240	\$221.66	\$265.88	\$44.21	19.95%
250	\$230.53	\$276.29	\$45.77	19.85%
260	\$239.39	\$286.70	\$47.32	19.77%
270	\$248.25	\$297.11	\$48.87	19.68%
280	\$257.11	\$307.52	\$50.42	19.61%
290	\$265.97	\$317.94	\$51.97	19.54%
300	\$274.83	\$328.35	\$53.52	19.47%

* Includes an average monthly PGA of 69.05¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY PANHANDLE EASTERN
GENERAL SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
50	\$66.45	\$91.62	\$25.17	37.88%
100	\$112.10	\$141.64	\$29.54	26.35%
150	\$157.75	\$191.66	\$33.91	21.50%
200	\$203.40	\$241.68	\$38.28	18.82%
250	\$249.05	\$291.70	\$42.65	17.13%
300	\$294.70	\$341.72	\$47.02	15.96%
350	\$340.35	\$391.74	\$51.39	15.10%
400	\$386.00	\$441.76	\$55.76	14.45%
450	\$431.65	\$491.78	\$60.13	13.93%
500	\$477.30	\$541.80	\$64.50	13.51%
1000	\$933.80	\$1,042.00	\$108.20	11.59%
1500	\$1,390.30	\$1,542.20	\$151.90	10.93%
2000	\$1,846.80	\$2,042.40	\$195.60	10.59%
2500	\$2,303.30	\$2,542.60	\$239.30	10.39%
3000	\$2,759.80	\$3,042.80	\$283.00	10.25%
3500	\$3,216.30	\$3,543.00	\$326.70	10.16%
4000	\$3,672.80	\$4,043.20	\$370.40	10.08%
4500	\$4,129.30	\$4,543.40	\$414.10	10.03%
5000	\$4,585.80	\$5,043.60	\$457.80	9.98%
5500	\$5,042.30	\$5,543.80	\$501.50	9.95%
6000	\$5,498.80	\$6,044.00	\$545.20	9.91%
6500	\$5,955.30	\$6,544.20	\$588.90	9.89%
7000	\$6,411.80	\$7,044.40	\$632.60	9.87%
7500	\$6,837.50	\$7,499.60	\$662.10	9.68%
8000	\$7,263.20	\$7,954.80	\$691.60	9.52%
8500	\$7,688.90	\$8,410.00	\$721.10	9.38%
9000	\$8,114.60	\$8,865.20	\$750.60	9.25%
9500	\$8,540.30	\$9,320.40	\$780.10	9.13%
10000	\$8,966.00	\$9,775.60	\$809.60	9.03%
15000	\$13,223.00	\$14,327.60	\$1,104.60	8.35%
20000	\$17,480.00	\$18,879.60	\$1,399.60	8.01%
25000	\$21,737.00	\$23,431.60	\$1,694.60	7.80%

* Includes an average monthly PGA of 73.34¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY TEXAS EASTERN
GENERAL SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
50	\$70.42	\$95.59	\$25.17	35.74%
100	\$120.04	\$149.58	\$29.54	24.61%
150	\$169.66	\$203.57	\$33.91	19.99%
200	\$219.28	\$257.56	\$38.28	17.46%
250	\$268.90	\$311.55	\$42.65	15.86%
300	\$318.52	\$365.54	\$47.02	14.76%
350	\$368.14	\$419.53	\$51.39	13.96%
400	\$417.76	\$473.52	\$55.76	13.35%
450	\$467.38	\$527.51	\$60.13	12.87%
500	\$517.00	\$581.50	\$64.50	12.48%
1000	\$1,013.20	\$1,121.40	\$108.20	10.68%
1500	\$1,509.40	\$1,661.30	\$151.90	10.06%
2000	\$2,005.60	\$2,201.20	\$195.60	9.75%
2500	\$2,501.80	\$2,741.10	\$239.30	9.57%
3000	\$2,998.00	\$3,281.00	\$283.00	9.44%
3500	\$3,494.20	\$3,820.90	\$326.70	9.35%
4000	\$3,990.40	\$4,360.80	\$370.40	9.28%
4500	\$4,486.60	\$4,900.70	\$414.10	9.23%
5000	\$4,982.80	\$5,440.60	\$457.80	9.19%
5500	\$5,479.00	\$5,980.50	\$501.50	9.15%
6000	\$5,975.20	\$6,520.40	\$545.20	9.12%
6500	\$6,471.40	\$7,060.30	\$588.90	9.10%
7000	\$6,967.60	\$7,600.20	\$632.60	9.08%
7500	\$7,433.00	\$8,095.10	\$662.10	8.91%
8000	\$7,898.40	\$8,590.00	\$691.60	8.76%
8500	\$8,363.80	\$9,084.90	\$721.10	8.62%
9000	\$8,829.20	\$9,579.80	\$750.60	8.50%
9500	\$9,294.60	\$10,074.70	\$780.10	8.39%
10000	\$9,760.00	\$10,569.60	\$809.60	8.30%
15000	\$14,414.00	\$15,518.60	\$1,104.60	7.66%
20000	\$19,068.00	\$20,467.60	\$1,399.60	7.34%
25000	\$23,722.00	\$25,416.60	\$1,694.60	7.14%

* Includes an average monthly PGA of 81.28¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY NATURAL GAS PIPELINE
GENERAL SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
50	\$64.31	\$89.48	\$25.17	39.14%
100	\$107.81	\$137.35	\$29.54	27.40%
150	\$151.32	\$185.23	\$33.91	22.41%
200	\$194.82	\$233.10	\$38.28	19.65%
250	\$238.33	\$280.98	\$42.65	17.90%
300	\$281.83	\$328.85	\$47.02	16.68%
350	\$325.34	\$376.73	\$51.39	15.80%
400	\$368.84	\$424.60	\$55.76	15.12%
450	\$412.35	\$472.48	\$60.13	14.58%
500	\$455.85	\$520.35	\$64.50	14.15%
1000	\$890.90	\$999.10	\$108.20	12.15%
1500	\$1,325.95	\$1,477.85	\$151.90	11.46%
2000	\$1,761.00	\$1,956.60	\$195.60	11.11%
2500	\$2,196.05	\$2,435.35	\$239.30	10.90%
3000	\$2,631.10	\$2,914.10	\$283.00	10.76%
3500	\$3,066.15	\$3,392.85	\$326.70	10.66%
4000	\$3,501.20	\$3,871.60	\$370.40	10.58%
4500	\$3,936.25	\$4,350.35	\$414.10	10.52%
5000	\$4,371.30	\$4,829.10	\$457.80	10.47%
5500	\$4,806.35	\$5,307.85	\$501.50	10.43%
6000	\$5,241.40	\$5,786.60	\$545.20	10.40%
6500	\$5,676.45	\$6,265.35	\$588.90	10.37%
7000	\$6,111.50	\$6,744.10	\$632.60	10.35%
7500	\$6,515.75	\$7,177.85	\$662.10	10.16%
8000	\$6,920.00	\$7,611.60	\$691.60	9.99%
8500	\$7,324.25	\$8,045.35	\$721.10	9.85%
9000	\$7,728.50	\$8,479.10	\$750.60	9.71%
9500	\$8,132.75	\$8,912.85	\$780.10	9.59%
10000	\$8,537.00	\$9,346.60	\$809.60	9.48%
15000	\$12,579.50	\$13,684.10	\$1,104.60	8.78%
20000	\$16,622.00	\$18,021.60	\$1,399.60	8.42%
25000	\$20,664.50	\$22,359.10	\$1,694.60	8.20%

* Includes an average monthly PGA of 69.05¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY PANHANDLE EASTERN
INTERRUPTIBLE SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
1000	\$854.50	\$1,091.90	\$237.40	27.78%
2000	\$1,559.00	\$1,883.80	\$324.80	20.83%
3000	\$2,263.50	\$2,675.70	\$412.20	18.21%
4000	\$2,968.00	\$3,467.60	\$499.60	16.83%
5000	\$3,672.50	\$4,259.50	\$587.00	15.98%
6000	\$4,377.00	\$5,051.40	\$674.40	15.41%
7000	\$5,081.50	\$5,843.30	\$761.80	14.99%
8000	\$5,720.20	\$6,490.80	\$770.60	13.47%
9000	\$6,358.90	\$7,138.30	\$779.40	12.26%
10000	\$6,997.60	\$7,785.80	\$788.20	11.26%
12500	\$8,594.35	\$9,404.55	\$810.20	9.43%
15000	\$10,191.10	\$11,023.30	\$832.20	8.17%
17500	\$11,787.85	\$12,642.05	\$854.20	7.25%
20000	\$13,384.60	\$14,260.80	\$876.20	6.55%
22500	\$14,981.35	\$15,879.55	\$898.20	6.00%
25000	\$16,578.10	\$17,498.30	\$920.20	5.55%
27500	\$18,174.85	\$19,117.05	\$942.20	5.18%
30000	\$19,771.60	\$20,735.80	\$964.20	4.88%
35000	\$22,965.10	\$23,973.30	\$1,008.20	4.39%
40000	\$26,158.60	\$27,210.80	\$1,052.20	4.02%
45000	\$29,352.10	\$30,448.30	\$1,096.20	3.73%
50000	\$32,545.60	\$33,685.80	\$1,140.20	3.50%
55000	\$35,739.10	\$36,923.30	\$1,184.20	3.31%
60000	\$38,932.60	\$40,160.80	\$1,228.20	3.15%
65000	\$42,126.10	\$43,398.30	\$1,272.20	3.02%
70000	\$45,319.60	\$46,635.80	\$1,316.20	2.90%
75000	\$48,513.10	\$49,873.30	\$1,360.20	2.80%
80000	\$51,706.60	\$53,110.80	\$1,404.20	2.72%
85000	\$54,900.10	\$56,348.30	\$1,448.20	2.64%
90000	\$58,093.60	\$59,585.80	\$1,492.20	2.57%
95000	\$61,287.10	\$62,823.30	\$1,536.20	2.51%
100000	\$64,480.60	\$66,060.80	\$1,580.20	2.45%

* Includes an average monthly PGA of 52.49¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY TEXAS EASTERN
INTERRUPTIBLE SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
1000	\$957.90	\$1,195.30	\$237.40	24.78%
2000	\$1,765.80	\$2,090.60	\$324.80	18.39%
3000	\$2,573.70	\$2,985.90	\$412.20	16.02%
4000	\$3,381.60	\$3,881.20	\$499.60	14.77%
5000	\$4,189.50	\$4,776.50	\$587.00	14.01%
6000	\$4,997.40	\$5,671.80	\$674.40	13.50%
7000	\$5,805.30	\$6,567.10	\$761.80	13.12%
8000	\$6,547.40	\$7,318.00	\$770.60	11.77%
9000	\$7,289.50	\$8,068.90	\$779.40	10.69%
10000	\$8,031.60	\$8,819.80	\$788.20	9.81%
12500	\$9,886.85	\$10,697.05	\$810.20	8.19%
15000	\$11,742.10	\$12,574.30	\$832.20	7.09%
17500	\$13,597.35	\$14,451.55	\$854.20	6.28%
20000	\$15,452.60	\$16,328.80	\$876.20	5.67%
22500	\$17,307.85	\$18,206.05	\$898.20	5.19%
25000	\$19,163.10	\$20,083.30	\$920.20	4.80%
27500	\$21,018.35	\$21,960.55	\$942.20	4.48%
30000	\$22,873.60	\$23,837.80	\$964.20	4.22%
35000	\$26,584.10	\$27,592.30	\$1,008.20	3.79%
40000	\$30,294.60	\$31,346.80	\$1,052.20	3.47%
45000	\$34,005.10	\$35,101.30	\$1,096.20	3.22%
50000	\$37,715.60	\$38,855.80	\$1,140.20	3.02%
55000	\$41,426.10	\$42,610.30	\$1,184.20	2.86%
60000	\$45,136.60	\$46,364.80	\$1,228.20	2.72%
65000	\$48,847.10	\$50,119.30	\$1,272.20	2.60%
70000	\$52,557.60	\$53,873.80	\$1,316.20	2.50%
75000	\$56,268.10	\$57,628.30	\$1,360.20	2.42%
80000	\$59,978.60	\$61,382.80	\$1,404.20	2.34%
85000	\$63,689.10	\$65,137.30	\$1,448.20	2.27%
90000	\$67,399.60	\$68,891.80	\$1,492.20	2.21%
95000	\$71,110.10	\$72,646.30	\$1,536.20	2.16%
100000	\$74,820.60	\$76,400.80	\$1,580.20	2.11%

* Includes an average monthly PGA of 62.83¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY PANHANDLE EASTERN
STANDARD TRANSPORTATION SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
500	\$400.60	\$465.10	\$64.50	16.10%
1000	\$740.40	\$848.60	\$108.20	14.61%
1500	\$1,080.20	\$1,232.10	\$151.90	14.06%
2000	\$1,420.00	\$1,615.60	\$195.60	13.77%
2500	\$1,759.80	\$1,999.10	\$239.30	13.60%
3000	\$2,099.60	\$2,382.60	\$283.00	13.48%
3500	\$2,439.40	\$2,766.10	\$326.70	13.39%
4000	\$2,779.20	\$3,149.60	\$370.40	13.33%
4500	\$3,119.00	\$3,533.10	\$414.10	13.28%
5000	\$3,458.80	\$3,916.60	\$457.80	13.24%
5500	\$3,798.60	\$4,300.10	\$501.50	13.20%
6000	\$4,138.40	\$4,683.60	\$545.20	13.17%
6500	\$4,478.20	\$5,067.10	\$588.90	13.15%
7000	\$4,818.00	\$5,450.60	\$632.60	13.13%
7500	\$5,123.55	\$5,760.70	\$637.15	12.44%
8000	\$5,429.10	\$6,070.80	\$641.70	11.82%
8500	\$5,734.65	\$6,380.90	\$646.25	11.27%
9000	\$6,040.20	\$6,691.00	\$650.80	10.77%
9500	\$6,345.75	\$7,001.10	\$655.35	10.33%
10000	\$6,651.30	\$7,311.20	\$659.90	9.92%
10500	\$6,956.85	\$7,621.30	\$664.45	9.55%
11000	\$7,262.40	\$7,931.40	\$669.00	9.21%
11500	\$7,567.95	\$8,241.50	\$673.55	8.90%
12000	\$7,873.50	\$8,551.60	\$678.10	8.61%
12500	\$8,179.05	\$8,861.70	\$682.65	8.35%
13000	\$8,484.60	\$9,171.80	\$687.20	8.10%
13500	\$8,790.15	\$9,481.90	\$691.75	7.87%
14000	\$9,095.70	\$9,792.00	\$696.30	7.66%
14500	\$9,401.25	\$10,102.10	\$700.85	7.45%
15000	\$9,706.80	\$10,412.20	\$705.40	7.27%
15500	\$10,012.35	\$10,722.30	\$709.95	7.09%
16000	\$10,317.90	\$11,032.40	\$714.50	6.92%

* Includes an average monthly gas cost of 50.00¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY TEXAS EASTERN
STANDARD TRANSPORTATION SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
500	\$400.60	\$465.10	\$64.50	16.10%
1000	\$740.40	\$848.60	\$108.20	14.61%
1500	\$1,080.20	\$1,232.10	\$151.90	14.06%
2000	\$1,420.00	\$1,615.60	\$195.60	13.77%
2500	\$1,759.80	\$1,999.10	\$239.30	13.60%
3000	\$2,099.60	\$2,382.60	\$283.00	13.48%
3500	\$2,439.40	\$2,766.10	\$326.70	13.39%
4000	\$2,779.20	\$3,149.60	\$370.40	13.33%
4500	\$3,119.00	\$3,533.10	\$414.10	13.28%
5000	\$3,458.80	\$3,916.60	\$457.80	13.24%
5500	\$3,798.60	\$4,300.10	\$501.50	13.20%
6000	\$4,138.40	\$4,683.60	\$545.20	13.17%
6500	\$4,478.20	\$5,067.10	\$588.90	13.15%
7000	\$4,818.00	\$5,450.60	\$632.60	13.13%
7500	\$5,123.55	\$5,760.70	\$637.15	12.44%
8000	\$5,429.10	\$6,070.80	\$641.70	11.82%
8500	\$5,734.65	\$6,380.90	\$646.25	11.27%
9000	\$6,040.20	\$6,691.00	\$650.80	10.77%
9500	\$6,345.75	\$7,001.10	\$655.35	10.33%
10000	\$6,651.30	\$7,311.20	\$659.90	9.92%
10500	\$6,956.85	\$7,621.30	\$664.45	9.55%
11000	\$7,262.40	\$7,931.40	\$669.00	9.21%
11500	\$7,567.95	\$8,241.50	\$673.55	8.90%
12000	\$7,873.50	\$8,551.60	\$678.10	8.61%
12500	\$8,179.05	\$8,861.70	\$682.65	8.35%
13000	\$8,484.60	\$9,171.80	\$687.20	8.10%
13500	\$8,790.15	\$9,481.90	\$691.75	7.87%
14000	\$9,095.70	\$9,792.00	\$696.30	7.66%
14500	\$9,401.25	\$10,102.10	\$700.85	7.45%
15000	\$9,706.80	\$10,412.20	\$705.40	7.27%
15500	\$10,012.35	\$10,722.30	\$709.95	7.09%
16000	\$10,317.90	\$11,032.40	\$714.50	6.92%

* Includes an average monthly gas cost of 50.00¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY PANHANDLE EASTERN
LARGE VOLUME TRANSPORTATION SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
1000	\$1,469.60	\$2,307.00	\$837.40	56.98%
3000	\$2,828.80	\$3,841.00	\$1,012.20	35.78%
5000	\$4,188.00	\$5,375.00	\$1,187.00	28.34%
7000	\$5,547.20	\$6,909.00	\$1,361.80	24.55%
10000	\$7,329.20	\$8,699.97	\$1,370.77	18.70%
15000	\$10,299.20	\$11,684.92	\$1,385.72	13.45%
20000	\$13,269.20	\$14,669.87	\$1,400.67	10.56%
25000	\$16,239.20	\$17,654.82	\$1,415.62	8.72%
30000	\$19,209.20	\$20,639.77	\$1,430.57	7.45%
35000	\$22,179.20	\$23,624.72	\$1,445.52	6.52%
40000	\$25,149.20	\$26,609.67	\$1,460.47	5.81%
45000	\$28,119.20	\$29,594.62	\$1,475.42	5.25%
50000	\$31,089.20	\$32,579.57	\$1,490.37	4.79%
60000	\$37,029.20	\$38,549.47	\$1,520.27	4.11%
70000	\$42,969.20	\$44,519.37	\$1,550.17	3.61%
80000	\$48,909.20	\$50,489.27	\$1,580.07	3.23%
90000	\$54,849.20	\$56,459.17	\$1,609.97	2.94%
100000	\$60,789.20	\$62,429.07	\$1,639.87	2.70%
110000	\$66,729.20	\$68,398.97	\$1,669.77	2.50%
120000	\$72,669.20	\$74,368.87	\$1,699.67	2.34%
130000	\$78,609.20	\$80,338.77	\$1,729.57	2.20%
140000	\$84,549.20	\$86,308.67	\$1,759.47	2.08%
150000	\$90,489.20	\$92,278.57	\$1,789.37	1.98%
160000	\$96,429.20	\$98,248.47	\$1,819.27	1.89%
170000	\$102,369.20	\$104,218.37	\$1,849.17	1.81%
180000	\$108,309.20	\$110,188.27	\$1,879.07	1.73%
190000	\$114,249.20	\$116,158.17	\$1,908.97	1.67%
200000	\$120,189.20	\$122,128.07	\$1,938.87	1.61%
210000	\$126,129.20	\$128,097.97	\$1,968.77	1.56%
220000	\$132,069.20	\$134,067.87	\$1,998.67	1.51%
230000	\$138,009.20	\$140,037.77	\$2,028.57	1.47%
240000	\$143,949.20	\$146,007.67	\$2,058.47	1.43%

* Includes an average monthly gas cost of 50.00¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY TEXAS EASTERN
LARGE VOLUME TRANSPORTATION SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
1000	\$1,469.60	\$2,307.00	\$837.40	56.98%
3000	\$2,828.80	\$3,841.00	\$1,012.20	35.78%
5000	\$4,188.00	\$5,375.00	\$1,187.00	28.34%
7000	\$5,547.20	\$6,909.00	\$1,361.80	24.55%
10000	\$7,329.20	\$8,699.97	\$1,370.77	18.70%
15000	\$10,299.20	\$11,684.92	\$1,385.72	13.45%
20000	\$13,269.20	\$14,669.87	\$1,400.67	10.56%
25000	\$16,239.20	\$17,654.82	\$1,415.62	8.72%
30000	\$19,209.20	\$20,639.77	\$1,430.57	7.45%
35000	\$22,179.20	\$23,624.72	\$1,445.52	6.52%
40000	\$25,149.20	\$26,609.67	\$1,460.47	5.81%
45000	\$28,119.20	\$29,594.62	\$1,475.42	5.25%
50000	\$31,089.20	\$32,579.57	\$1,490.37	4.79%
60000	\$37,029.20	\$38,549.47	\$1,520.27	4.11%
70000	\$42,969.20	\$44,519.37	\$1,550.17	3.61%
80000	\$48,909.20	\$50,489.27	\$1,580.07	3.23%
90000	\$54,849.20	\$56,459.17	\$1,609.97	2.94%
100000	\$60,789.20	\$62,429.07	\$1,639.87	2.70%
110000	\$66,729.20	\$68,398.97	\$1,669.77	2.50%
120000	\$72,669.20	\$74,368.87	\$1,699.67	2.34%
130000	\$78,609.20	\$80,338.77	\$1,729.57	2.20%
140000	\$84,549.20	\$86,308.67	\$1,759.47	2.08%
150000	\$90,489.20	\$92,278.57	\$1,789.37	1.98%
160000	\$96,429.20	\$98,248.47	\$1,819.27	1.89%
170000	\$102,369.20	\$104,218.37	\$1,849.17	1.81%
180000	\$108,309.20	\$110,188.27	\$1,879.07	1.73%
190000	\$114,249.20	\$116,158.17	\$1,908.97	1.67%
200000	\$120,189.20	\$122,128.07	\$1,938.87	1.61%
210000	\$126,129.20	\$128,097.97	\$1,968.77	1.56%
220000	\$132,069.20	\$134,067.87	\$1,998.67	1.51%
230000	\$138,009.20	\$140,037.77	\$2,028.57	1.47%
240000	\$143,949.20	\$146,007.67	\$2,058.47	1.43%

* Includes an average monthly gas cost of 50.00¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

RESIDENTIAL SERVICE RATE

Applicable to gas service to all residential customers as defined in Section I.H. of Company's Rules and Regulations. As indicated in Section IX., Resale of Service of Company's Rules and Regulations, this service may not be resold.

* 1. Monthly Customer and Volumetric Meter Reading Rates.

	<u>Effective</u>	
	<u>12/1/03</u>	<u>11/1/04</u>
Customer Charge - per month	\$12.50	\$16.00
Delivery Charge - per Ccf	27.313¢	35.066¢

2. Minimum Monthly Charge. The Customer Charge.

3. Purchased Gas Adjustment. Applicable to all metered and/or billed Ccf, pursuant to the provisions of Rider A - Purchased Gas Adjustment Clause.

4. Yard Light Service. Any customer with an unmetered gas yard light will have 18 Ccf per month of gas added per light to each month's metered Ccf usage, for billing purposes. This unmetered yard light service is one of limited application. No new such unmetered service will be offered after February 18, 1998.

5. Seasonal Use. This schedule is a continuous service schedule. If service is disconnected at the request of the customer, and thereafter restored at the same location for the same occupant(s) within a twelve (12) month period following the date of the service disconnection, a reconnection charge will become due and payable when service is restored. The charge shall be computed by multiplying the Customer Charge by the number of months and fractions of months that service is disconnected, plus the Reconnection Charge as indicated in Section D. Miscellaneous Charges, Sheet No. 19.

6. Payments. Bills will be rendered at monthly intervals, are due and payable within ten (10) days from their date of rendition and become delinquent after twenty-one (21) days from their date of rendition. The date of rendition is the date of mailing by the Company. Late payment charges shall be determined pursuant to Section VIII.F. of Company's Rules and Regulations.

* Indicates Change.

DATE OF ISSUE May 23, 2003 DATE EFFECTIVE June 22, 2003

ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri
Name of Officer Title Address

UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

GENERAL SERVICE RATE

Applicable to gas service to non-residential customers. As indicated in Section IX., Resale of Service of Company's Rules and Regulations, this service may not be resold.

* 1. Monthly Customer and Volumetric Meter Reading Rates.

	<u>Effective</u>	
	<u>12/1/03</u>	<u>11/1/04</u>
Customer Charge - per month	\$31.20	\$41.60
Delivery Charge - per Ccf		
First 7,000 Ccf	22.33¢	26.70¢
Over 7,000 Ccf	14.75¢	17.70¢

2. Minimum Monthly Charge. The Customer Charge.

3. Purchased Gas Adjustment.
 Applicable to all metered and/or billed Ccf, pursuant to the provisions of the Rider A - Purchased Gas Adjustment Clause.

4. Payments.
 Bills will be rendered at monthly intervals and are due and payable within ten (10) days from their date of mailing, which due date shall be considered the delinquent date for this rate classification. Pursuant to Section VIII.F. of Company's Rules and Regulations, any portion of any bill, other than deposit arrears, remaining unpaid after the delinquent date will have a late payment charge added thereto.

5. Term of Contract.
 Gas service will be provided under this rate for a period of not less than one year.

6. Tax Adjustment.
 Any license, franchise, gross receipts, occupation or similar charge or tax levied by any taxing authority on the amounts billed hereunder will be so designated and added as a separate item to bills rendered to customers under the jurisdiction of the taxing authority.

7. Rules and Regulations. Service will be rendered in accordance with the Company's Rules and Regulations for Gas Service on file with the Missouri Public Service Commission.

* Indicates Change.

DATE OF ISSUE May 23, 2003 DATE EFFECTIVE June 22, 2003

ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri
Name of Officer Title Address

UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

INTERRUPTIBLE SERVICE RATE WITH AN ASSURANCE GAS OPTION

1. Availability.

Whenever, in Company's sole judgment, gas is available for interruptible service, Company will make such service available to any qualified non-residential customer. To qualify, customer shall either provide adequate standby facilities and fuel for its use during periods when gas service is interrupted or shall give Company satisfactory evidence of its ability and willingness to curtail or cease operations during interruption. Gas service under other rates cannot be used for the same process, facility or equipment served under this rate. As indicated in Section IX. Resale of Service of Company's Rules and Regulations, this service may not be resold.

2. Character of Service.

All gas delivery under this rate will be subject to interruption under Section 9. hereof and all gas consumed by customer during periods of non-interruption will be billed at the Interruptible Gas Delivery Charge, except for Assurance volumes as provided below. As a part of the contract for interruptible service, customer may request the Company to provide a specified daily quantity of firm sales gas to be available during periods of interruption, to be categorized as Assurance Gas and billed by Company at the Interruptible Gas Delivery Charge plus the Assurance Gas Surcharge and the firm Purchased Gas Adjustment (PGA) factor rate. For billing purposes Assurance Gas volumes shall be considered the first through the meter. Customer will be required to contract with Company, by June 1 of the initial contract year, for the daily quantity of Assurance Gas desired. Customer must notify Company of any changes in such Assurance Gas Level by June 1 of subsequent contract extension years. All other gas consumed by customer during any period of interruption shall be considered and billed by Company as Unauthorized Gas.

* 3. Monthly Customer and Volumetric Meter Reading Rates.

	<u>Effective</u>	
	<u>12/1/03</u>	<u>11/1/04</u>
Customer Charge - per month	\$225.00	\$300.00
Interruptible Gas Delivery Charge - per Ccf		
First 7,000 Ccf	22.33¢	26.70¢
Over 7,000 Ccf	11.82¢	12.26¢
Assurance Gas Surcharge - per Ccf		
First 250 Ccf per day	3.43¢	6.30¢
All Over 250 Ccf per day	2.66¢	4.56¢

* Indicates Change.

DATE OF ISSUE May 23, 2003 DATE EFFECTIVE June 22, 2003

ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri
Name of Officer Title Address

UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

NATURAL GAS TRANSPORTATION SERVICE

1. Availability.

This service schedule is available: 1) to all non-residential customers on a per meter basis and 2) on an experimental basis through June 30, 2005, to the premises of "New Eligible School Entities," which are the eligible school entities as defined in Section 393.310 RSMo, that were not receiving Natural Gas Transportation Service as of July 31, 2002. Such service is applicable to individual customers that can individually secure and arrange for the delivery of sufficient supplies of natural gas to the Company's designated city gate and to the New Eligible School Entities that can do so through aggregate contracts negotiated by and through a not-for-profit school association. The Company will not provide this service to any customer who uses such gas primarily to heat a premise that provides temporary or permanent living quarters for individuals, unless the customer demonstrates to the Company that it has contracted for primary firm capacity with the upstream supplying intrastate and/or interstate pipelines to meet the customer's peak needs, or unless the customer demonstrates to the Company that the customer has adequate and usable alternative fuel facilities to meet the customer's energy needs.

The "transportation customer" shall be responsible for the purchase and transportation of its gas needs to the Company's city gate which serves such customer.

The Company shall not sell gas to any of its transportation customers except as specifically provided for in this service classification.

*2. Monthly Customer, EGM and Volumetric Meter Reading Rates. (5)

	<u>Standard Transportation(1)</u>		<u>Large Volume Transportation(2)</u>	
	<u>Effective</u>		<u>Effective</u>	
	<u>12/1/03</u>	<u>11/1/04</u>	<u>12/1/03</u>	<u>11/1/04</u>
Customer Charge - per month	\$31.20	\$41.60	\$1,125	\$1,500
Electronic Gas Meter (EGM) Charges - per month				
Administrative Charge	\$40.00	\$40.00	\$40.00	\$40.00
Meter Equipment Charge(3)	Section G. Miscellaneous Charges Sheet No. 20.1, as applicable.			
Transportation Charge - per Ccf				
First 7,000 Ccf	22.330¢	26.700¢	22.330¢	26.700¢
All Over 7,000 Ccf	11.563¢	12.020¢	9.550¢	9.699¢
Transportation Charge Adder - per Ccf				
All Over 7,000 Ccf(4)	3.187¢	5.680¢	5.200¢	8.001¢

* Indicates Change.

DATE OF ISSUE May 23, 2003 DATE EFFECTIVE June 22, 2003
 ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri
Name of Officer Title Address

UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

X. Deposit Practices (Cont'd.)

2. Deposit refunds - The credit of the residential customer will be established and the deposit and accrued interest, if any, will be refunded, or the guarantor released, upon satisfactory payment before the delinquency date of all undisputed charges for service for a period of twelve successive months, or customer has closed his account. The credit of the non-residential customer will be reviewed after three years and the deposit returned if in the opinion of the Company, the customer has established satisfactory credit. The Company may withhold refund of the deposit or release of the guarantor pending the resolution of a matter in dispute involving disconnection for nonpayment or unauthorized interference by the customer. The Company may apply all deposits subject to refund and accrued interest, if any, against undisputed utility charges provided the amount of the refund is identified and disclosed on the bill.
- *3. Interest paid on deposits - Interest will be credited annually on all residential deposits. Interest will be either credited to the service account of the residential customer on an annual basis or paid upon the return of the deposit. Simple interest will be payable upon the return of a non-residential deposit held by the Company for six months or longer. Interest shall not accrue on any cash deposit after the date the deposit is applied to the customer's account, or Company has made a reasonable effort to return such deposit to the Customer. The interest rate shall be 9.5% per annum through December 31, 2003. Effective January 1, 2004 and thereafter, interest will be paid at a per annum rate equal to the prime bank lending rate, as published in the Wall Street Journal for the last business day of November of the preceding calendar year, plus one percentage point.
4. Final billed accounts - Upon discontinuance or termination, other than for a change of service address, the deposit, with accrued interest, will be credited to the final bill and the balance, if any, will be returned within twenty-one (21) days of the rendition of the final bill.

*Indicates Change

DATE OF ISSUE May 23, 2003 DATE EFFECTIVE June 22, 2003

ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri
Name of Officer Title Address

Schedule WLC-4-5

UNION ELECTRIC COMPANY
SUMMARY OF PROPOSED MISSOURI GAS RATE REVISIONS
TEST YEAR 12 MONTHS ENDED DECEMBER 31, 2002

	Annual		Revenue ¹			
	<u>Bills</u>	<u>Ccf</u>	<u>Present</u>	<u>Proposed</u>	<u>Change</u>	<u>%</u>
Residential	1,190,336	71,123,802	\$77,683,198	\$87,363,600	\$9,680,402	12.5%
General	144,398	36,895,092	\$37,022,909	\$40,106,847	\$3,083,938	8.3%
Interruptible	156	4,079,283	\$3,058,814	\$3,124,723	\$65,909	2.2%
Transportation	<u>1,756</u>	<u>55,254,711</u>	<u>\$30,627,632</u>	<u>\$31,162,427</u>	<u>\$534,795</u>	<u>1.7%</u>
Subtotal	1,336,646	167,352,888	\$148,392,553	\$161,757,597	\$13,365,044	9.0%
Other Revenues	<u>NA</u>	<u>NA</u>	<u>\$1,580,838</u>	<u>\$1,580,838</u>	<u>\$0</u>	<u>0.0%</u>
Total	<u>1,336,646</u>	<u>167,352,888</u>	<u>\$149,973,391</u>	<u>\$163,338,435</u>	<u>\$13,365,044</u>	<u>8.9%</u>

¹ Includes an average PGA factor of 74.60¢/Ccf and 61.59¢/Ccf for Firm and Interruptible Service, respectively, and 50.00¢/Ccf gas for Transportation Service.

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY PANHANDLE EASTERN
RESIDENTIAL

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
10	\$18.29	\$22.57	\$4.28	23.38%
20	\$27.58	\$32.63	\$5.05	18.31%
30	\$36.87	\$42.70	\$5.83	15.80%
40	\$46.16	\$52.76	\$6.60	14.30%
50	\$55.45	\$62.83	\$7.38	13.30%
60	\$64.74	\$72.89	\$8.15	12.59%
70	\$74.03	\$82.96	\$8.93	12.06%
80	\$83.32	\$93.02	\$9.70	11.64%
90	\$92.61	\$103.09	\$10.48	11.31%
100	\$101.90	\$113.15	\$11.25	11.04%
110	\$111.19	\$123.22	\$12.03	10.82%
120	\$120.48	\$133.28	\$12.80	10.63%
130	\$129.77	\$143.35	\$13.58	10.46%
140	\$139.06	\$153.41	\$14.35	10.32%
150	\$148.35	\$163.48	\$15.13	10.20%
160	\$157.64	\$173.54	\$15.90	10.09%
170	\$166.93	\$183.61	\$16.68	9.99%
180	\$176.22	\$193.68	\$17.46	9.91%
190	\$185.51	\$203.74	\$18.23	9.83%
200	\$194.80	\$213.81	\$19.01	9.76%
210	\$204.09	\$223.87	\$19.78	9.69%
220	\$213.38	\$233.94	\$20.56	9.63%
230	\$222.67	\$244.00	\$21.33	9.58%
240	\$231.96	\$254.07	\$22.11	9.53%
250	\$241.25	\$264.13	\$22.88	9.48%
260	\$250.54	\$274.20	\$23.66	9.44%
270	\$259.83	\$284.26	\$24.43	9.40%
280	\$269.12	\$294.33	\$25.21	9.37%
290	\$278.41	\$304.39	\$25.98	9.33%
300	\$287.70	\$314.46	\$26.76	9.30%

* Includes a monthly PGA of 73.34¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY TEXAS EASTERN
RESIDENTIAL

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
10	\$19.08	\$23.36	\$4.28	22.40%
20	\$29.17	\$34.22	\$5.05	17.32%
30	\$39.25	\$45.08	\$5.83	14.84%
40	\$49.34	\$55.94	\$6.60	13.38%
50	\$59.42	\$66.80	\$7.38	12.41%
60	\$69.50	\$77.66	\$8.15	11.73%
70	\$79.59	\$88.52	\$8.93	11.22%
80	\$89.67	\$99.37	\$9.70	10.82%
90	\$99.76	\$110.23	\$10.48	10.50%
100	\$109.84	\$121.09	\$11.25	10.24%
110	\$119.92	\$131.95	\$12.03	10.03%
120	\$130.01	\$142.81	\$12.80	9.85%
130	\$140.09	\$153.67	\$13.58	9.69%
140	\$150.18	\$164.53	\$14.35	9.56%
150	\$160.26	\$175.39	\$15.13	9.44%
160	\$170.34	\$186.25	\$15.90	9.34%
170	\$180.43	\$197.11	\$16.68	9.24%
180	\$190.51	\$207.97	\$17.46	9.16%
190	\$200.60	\$218.83	\$18.23	9.09%
200	\$210.68	\$229.69	\$19.01	9.02%
210	\$220.76	\$240.55	\$19.78	8.96%
220	\$230.85	\$251.40	\$20.56	8.90%
230	\$240.93	\$262.26	\$21.33	8.85%
240	\$251.02	\$273.12	\$22.11	8.81%
250	\$261.10	\$283.98	\$22.88	8.76%
260	\$271.18	\$294.84	\$23.66	8.72%
270	\$281.27	\$305.70	\$24.43	8.69%
280	\$291.35	\$316.56	\$25.21	8.65%
290	\$301.44	\$327.42	\$25.98	8.62%
300	\$311.52	\$338.28	\$26.76	8.59%

* Includes an average monthly PGA of 81.28¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY NATURAL GAS PIPELINE
RESIDENTIAL

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
10	\$17.86	\$22.14	\$4.28	23.94%
20	\$26.72	\$31.77	\$5.05	18.90%
30	\$35.58	\$41.41	\$5.83	16.37%
40	\$44.44	\$51.05	\$6.60	14.85%
50	\$53.31	\$60.68	\$7.38	13.84%
60	\$62.17	\$70.32	\$8.15	13.11%
70	\$71.03	\$79.95	\$8.93	12.57%
80	\$79.89	\$89.59	\$9.70	12.15%
90	\$88.75	\$99.23	\$10.48	11.81%
100	\$97.61	\$108.86	\$11.25	11.53%
110	\$106.47	\$118.50	\$12.03	11.30%
120	\$115.33	\$128.14	\$12.80	11.10%
130	\$124.19	\$137.77	\$13.58	10.93%
140	\$133.05	\$147.41	\$14.35	10.79%
150	\$141.92	\$157.04	\$15.13	10.66%
160	\$150.78	\$166.68	\$15.90	10.55%
170	\$159.64	\$176.32	\$16.68	10.45%
180	\$168.50	\$185.95	\$17.46	10.36%
190	\$177.36	\$195.59	\$18.23	10.28%
200	\$186.22	\$205.23	\$19.01	10.21%
210	\$195.08	\$214.86	\$19.78	10.14%
220	\$203.94	\$224.50	\$20.56	10.08%
230	\$212.80	\$234.13	\$21.33	10.02%
240	\$221.66	\$243.77	\$22.11	9.97%
250	\$230.53	\$253.41	\$22.88	9.93%
260	\$239.39	\$263.04	\$23.66	9.88%
270	\$248.25	\$272.68	\$24.43	9.84%
280	\$257.11	\$282.32	\$25.21	9.80%
290	\$265.97	\$291.95	\$25.98	9.77%
300	\$274.83	\$301.59	\$26.76	9.74%

* Includes an average monthly PGA of 69.05¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY PANHANDLE EASTERN
GENERAL SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
50	\$66.45	\$79.04	\$12.59	18.94%
100	\$112.10	\$126.87	\$14.77	13.18%
150	\$157.75	\$174.71	\$16.96	10.75%
200	\$203.40	\$222.54	\$19.14	9.41%
250	\$249.05	\$270.38	\$21.33	8.56%
300	\$294.70	\$318.21	\$23.51	7.98%
350	\$340.35	\$366.05	\$25.70	7.55%
400	\$386.00	\$413.88	\$27.88	7.22%
450	\$431.65	\$461.72	\$30.07	6.97%
500	\$477.30	\$509.55	\$32.25	6.76%
1000	\$933.80	\$987.90	\$54.10	5.79%
1500	\$1,390.30	\$1,466.25	\$75.95	5.46%
2000	\$1,846.80	\$1,944.60	\$97.80	5.30%
2500	\$2,303.30	\$2,422.95	\$119.65	5.19%
3000	\$2,759.80	\$2,901.30	\$141.50	5.13%
3500	\$3,216.30	\$3,379.65	\$163.35	5.08%
4000	\$3,672.80	\$3,858.00	\$185.20	5.04%
4500	\$4,129.30	\$4,336.35	\$207.05	5.01%
5000	\$4,585.80	\$4,814.70	\$228.90	4.99%
5500	\$5,042.30	\$5,293.05	\$250.75	4.97%
6000	\$5,498.80	\$5,771.40	\$272.60	4.96%
6500	\$5,955.30	\$6,249.75	\$294.45	4.94%
7000	\$6,411.80	\$6,728.10	\$316.30	4.93%
7500	\$6,837.50	\$7,168.55	\$331.05	4.84%
8000	\$7,263.20	\$7,609.00	\$345.80	4.76%
8500	\$7,688.90	\$8,049.45	\$360.55	4.69%
9000	\$8,114.60	\$8,489.90	\$375.30	4.62%
9500	\$8,540.30	\$8,930.35	\$390.05	4.57%
10000	\$8,966.00	\$9,370.80	\$404.80	4.51%
15000	\$13,223.00	\$13,775.30	\$552.30	4.18%
20000	\$17,480.00	\$18,179.80	\$699.80	4.00%
25000	\$21,737.00	\$22,584.30	\$847.30	3.90%

* Includes an average monthly PGA of 73.34¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY TEXAS EASTERN
GENERAL SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
50	\$70.42	\$83.01	\$12.59	17.87%
100	\$120.04	\$134.81	\$14.77	12.30%
150	\$169.66	\$186.62	\$16.96	9.99%
200	\$219.28	\$238.42	\$19.14	8.73%
250	\$268.90	\$290.23	\$21.33	7.93%
300	\$318.52	\$342.03	\$23.51	7.38%
350	\$368.14	\$393.84	\$25.70	6.98%
400	\$417.76	\$445.64	\$27.88	6.67%
450	\$467.38	\$497.45	\$30.07	6.43%
500	\$517.00	\$549.25	\$32.25	6.24%
1000	\$1,013.20	\$1,067.30	\$54.10	5.34%
1500	\$1,509.40	\$1,585.35	\$75.95	5.03%
2000	\$2,005.60	\$2,103.40	\$97.80	4.88%
2500	\$2,501.80	\$2,621.45	\$119.65	4.78%
3000	\$2,998.00	\$3,139.50	\$141.50	4.72%
3500	\$3,494.20	\$3,657.55	\$163.35	4.67%
4000	\$3,990.40	\$4,175.60	\$185.20	4.64%
4500	\$4,486.60	\$4,693.65	\$207.05	4.61%
5000	\$4,982.80	\$5,211.70	\$228.90	4.59%
5500	\$5,479.00	\$5,729.75	\$250.75	4.58%
6000	\$5,975.20	\$6,247.80	\$272.60	4.56%
6500	\$6,471.40	\$6,765.85	\$294.45	4.55%
7000	\$6,967.60	\$7,283.90	\$316.30	4.54%
7500	\$7,433.00	\$7,764.05	\$331.05	4.45%
8000	\$7,898.40	\$8,244.20	\$345.80	4.38%
8500	\$8,363.80	\$8,724.35	\$360.55	4.31%
9000	\$8,829.20	\$9,204.50	\$375.30	4.25%
9500	\$9,294.60	\$9,684.65	\$390.05	4.20%
10000	\$9,760.00	\$10,164.80	\$404.80	4.15%
15000	\$14,414.00	\$14,966.30	\$552.30	3.83%
20000	\$19,068.00	\$19,767.80	\$699.80	3.67%
25000	\$23,722.00	\$24,569.30	\$847.30	3.57%

* Includes an average monthly PGA of 81.28¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY NATURAL GAS PIPELINE
GENERAL SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
50	\$64.31	\$76.89	\$12.59	19.57%
100	\$107.81	\$122.58	\$14.77	13.70%
150	\$151.32	\$168.27	\$16.96	11.21%
200	\$194.82	\$213.96	\$19.14	9.82%
250	\$238.33	\$259.65	\$21.33	8.95%
300	\$281.83	\$305.34	\$23.51	8.34%
350	\$325.34	\$351.03	\$25.70	7.90%
400	\$368.84	\$396.72	\$27.88	7.56%
450	\$412.35	\$442.41	\$30.07	7.29%
500	\$455.85	\$488.10	\$32.25	7.07%
1000	\$890.90	\$945.00	\$54.10	6.07%
1500	\$1,325.95	\$1,401.90	\$75.95	5.73%
2000	\$1,761.00	\$1,858.80	\$97.80	5.55%
2500	\$2,196.05	\$2,315.70	\$119.65	5.45%
3000	\$2,631.10	\$2,772.60	\$141.50	5.38%
3500	\$3,066.15	\$3,229.50	\$163.35	5.33%
4000	\$3,501.20	\$3,686.40	\$185.20	5.29%
4500	\$3,936.25	\$4,143.30	\$207.05	5.26%
5000	\$4,371.30	\$4,600.20	\$228.90	5.24%
5500	\$4,806.35	\$5,057.10	\$250.75	5.22%
6000	\$5,241.40	\$5,514.00	\$272.60	5.20%
6500	\$5,676.45	\$5,970.90	\$294.45	5.19%
7000	\$6,111.50	\$6,427.80	\$316.30	5.18%
7500	\$6,515.75	\$6,846.80	\$331.05	5.08%
8000	\$6,920.00	\$7,265.80	\$345.80	5.00%
8500	\$7,324.25	\$7,684.80	\$360.55	4.92%
9000	\$7,728.50	\$8,103.80	\$375.30	4.86%
9500	\$8,132.75	\$8,522.80	\$390.05	4.80%
10000	\$8,537.00	\$8,941.80	\$404.80	4.74%
15000	\$12,579.50	\$13,131.80	\$552.30	4.39%
20000	\$16,622.00	\$17,321.80	\$699.80	4.21%
25000	\$20,664.50	\$21,511.80	\$847.30	4.10%

* Includes an average monthly PGA of 69.05¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY PANHANDLE EASTERN
INTERRUPTIBLE SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
1000	\$854.50	\$973.20	\$118.70	13.89%
2000	\$1,559.00	\$1,721.40	\$162.40	10.42%
3000	\$2,263.50	\$2,469.60	\$206.10	9.11%
4000	\$2,968.00	\$3,217.80	\$249.80	8.42%
5000	\$3,672.50	\$3,966.00	\$293.50	7.99%
6000	\$4,377.00	\$4,714.20	\$337.20	7.70%
7000	\$5,081.50	\$5,462.40	\$380.90	7.50%
8000	\$5,720.20	\$6,105.50	\$385.30	6.74%
9000	\$6,358.90	\$6,748.60	\$389.70	6.13%
10000	\$6,997.60	\$7,391.70	\$394.10	5.63%
12500	\$8,594.35	\$8,999.45	\$405.10	4.71%
15000	\$10,191.10	\$10,607.20	\$416.10	4.08%
17500	\$11,787.85	\$12,214.95	\$427.10	3.62%
20000	\$13,384.60	\$13,822.70	\$438.10	3.27%
22500	\$14,981.35	\$15,430.45	\$449.10	3.00%
25000	\$16,578.10	\$17,038.20	\$460.10	2.78%
27500	\$18,174.85	\$18,645.95	\$471.10	2.59%
30000	\$19,771.60	\$20,253.70	\$482.10	2.44%
35000	\$22,965.10	\$23,469.20	\$504.10	2.20%
40000	\$26,158.60	\$26,684.70	\$526.10	2.01%
45000	\$29,352.10	\$29,900.20	\$548.10	1.87%
50000	\$32,545.60	\$33,115.70	\$570.10	1.75%
55000	\$35,739.10	\$36,331.20	\$592.10	1.66%
60000	\$38,932.60	\$39,546.70	\$614.10	1.58%
65000	\$42,126.10	\$42,762.20	\$636.10	1.51%
70000	\$45,319.60	\$45,977.70	\$658.10	1.45%
75000	\$48,513.10	\$49,193.20	\$680.10	1.40%
80000	\$51,706.60	\$52,408.70	\$702.10	1.36%
85000	\$54,900.10	\$55,624.20	\$724.10	1.32%
90000	\$58,093.60	\$58,839.70	\$746.10	1.28%
95000	\$61,287.10	\$62,055.20	\$768.10	1.25%
100000	\$64,480.60	\$65,270.70	\$790.10	1.23%

* Includes an average monthly PGA of 52.49¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY TEXAS EASTERN
INTERRUPTIBLE SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
1000	\$957.90	\$1,076.60	\$118.70	12.39%
2000	\$1,765.80	\$1,928.20	\$162.40	9.20%
3000	\$2,573.70	\$2,779.80	\$206.10	8.01%
4000	\$3,381.60	\$3,631.40	\$249.80	7.39%
5000	\$4,189.50	\$4,483.00	\$293.50	7.01%
6000	\$4,997.40	\$5,334.60	\$337.20	6.75%
7000	\$5,805.30	\$6,186.20	\$380.90	6.56%
8000	\$6,547.40	\$6,932.70	\$385.30	5.88%
9000	\$7,289.50	\$7,679.20	\$389.70	5.35%
10000	\$8,031.60	\$8,425.70	\$394.10	4.91%
12500	\$9,886.85	\$10,291.95	\$405.10	4.10%
15000	\$11,742.10	\$12,158.20	\$416.10	3.54%
17500	\$13,597.35	\$14,024.45	\$427.10	3.14%
20000	\$15,452.60	\$15,890.70	\$438.10	2.84%
22500	\$17,307.85	\$17,756.95	\$449.10	2.59%
25000	\$19,163.10	\$19,623.20	\$460.10	2.40%
27500	\$21,018.35	\$21,489.45	\$471.10	2.24%
30000	\$22,873.60	\$23,355.70	\$482.10	2.11%
35000	\$26,584.10	\$27,088.20	\$504.10	1.90%
40000	\$30,294.60	\$30,820.70	\$526.10	1.74%
45000	\$34,005.10	\$34,553.20	\$548.10	1.61%
50000	\$37,715.60	\$38,285.70	\$570.10	1.51%
55000	\$41,426.10	\$42,018.20	\$592.10	1.43%
60000	\$45,136.60	\$45,750.70	\$614.10	1.36%
65000	\$48,847.10	\$49,483.20	\$636.10	1.30%
70000	\$52,557.60	\$53,215.70	\$658.10	1.25%
75000	\$56,268.10	\$56,948.20	\$680.10	1.21%
80000	\$59,978.60	\$60,680.70	\$702.10	1.17%
85000	\$63,689.10	\$64,413.20	\$724.10	1.14%
90000	\$67,399.60	\$68,145.70	\$746.10	1.11%
95000	\$71,110.10	\$71,878.20	\$768.10	1.08%
100000	\$74,820.60	\$75,610.70	\$790.10	1.06%

* Includes an average monthly PGA of 62.83¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY PANHANDLE EASTERN
STANDARD TRANSPORTATION SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
500	\$400.60	\$432.85	\$32.25	8.05%
1000	\$740.40	\$794.50	\$54.10	7.31%
1500	\$1,080.20	\$1,156.15	\$75.95	7.03%
2000	\$1,420.00	\$1,517.80	\$97.80	6.89%
2500	\$1,759.80	\$1,879.45	\$119.65	6.80%
3000	\$2,099.60	\$2,241.10	\$141.50	6.74%
3500	\$2,439.40	\$2,602.75	\$163.35	6.70%
4000	\$2,779.20	\$2,964.40	\$185.20	6.66%
4500	\$3,119.00	\$3,326.05	\$207.05	6.64%
5000	\$3,458.80	\$3,687.70	\$228.90	6.62%
5500	\$3,798.60	\$4,049.35	\$250.75	6.60%
6000	\$4,138.40	\$4,411.00	\$272.60	6.59%
6500	\$4,478.20	\$4,772.65	\$294.45	6.58%
7000	\$4,818.00	\$5,134.30	\$316.30	6.56%
7500	\$5,123.55	\$5,442.12	\$318.57	6.22%
8000	\$5,429.10	\$5,749.93	\$320.83	5.91%
8500	\$5,734.65	\$6,057.75	\$323.10	5.63%
9000	\$6,040.20	\$6,365.56	\$325.36	5.39%
9500	\$6,345.75	\$6,673.38	\$327.63	5.16%
10000	\$6,651.30	\$6,981.19	\$329.89	4.96%
10500	\$6,956.85	\$7,289.01	\$332.16	4.77%
11000	\$7,262.40	\$7,596.82	\$334.42	4.60%
11500	\$7,567.95	\$7,904.64	\$336.69	4.45%
12000	\$7,873.50	\$8,212.45	\$338.95	4.30%
12500	\$8,179.05	\$8,520.27	\$341.21	4.17%
13000	\$8,484.60	\$8,828.08	\$343.48	4.05%
13500	\$8,790.15	\$9,135.90	\$345.75	3.93%
14000	\$9,095.70	\$9,443.71	\$348.01	3.83%
14500	\$9,401.25	\$9,751.53	\$350.28	3.73%
15000	\$9,706.80	\$10,059.34	\$352.54	3.63%
15500	\$10,012.35	\$10,367.16	\$354.80	3.54%
16000	\$10,317.90	\$10,674.97	\$357.07	3.46%

* Includes an average monthly gas cost of 50.00¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY TEXAS EASTERN
STANDARD TRANSPORTATION SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
500	\$400.60	\$432.85	\$32.25	8.05%
1000	\$740.40	\$794.50	\$54.10	7.31%
1500	\$1,080.20	\$1,156.15	\$75.95	7.03%
2000	\$1,420.00	\$1,517.80	\$97.80	6.89%
2500	\$1,759.80	\$1,879.45	\$119.65	6.80%
3000	\$2,099.60	\$2,241.10	\$141.50	6.74%
3500	\$2,439.40	\$2,602.75	\$163.35	6.70%
4000	\$2,779.20	\$2,964.40	\$185.20	6.66%
4500	\$3,119.00	\$3,326.05	\$207.05	6.64%
5000	\$3,458.80	\$3,687.70	\$228.90	6.62%
5500	\$3,798.60	\$4,049.35	\$250.75	6.60%
6000	\$4,138.40	\$4,411.00	\$272.60	6.59%
6500	\$4,478.20	\$4,772.65	\$294.45	6.58%
7000	\$4,818.00	\$5,134.30	\$316.30	6.56%
7500	\$5,123.55	\$5,442.12	\$318.57	6.22%
8000	\$5,429.10	\$5,749.93	\$320.83	5.91%
8500	\$5,734.65	\$6,057.75	\$323.10	5.63%
9000	\$6,040.20	\$6,365.56	\$325.36	5.39%
9500	\$6,345.75	\$6,673.38	\$327.63	5.16%
10000	\$6,651.30	\$6,981.19	\$329.89	4.96%
10500	\$6,956.85	\$7,289.01	\$332.16	4.77%
11000	\$7,262.40	\$7,596.82	\$334.42	4.60%
11500	\$7,567.95	\$7,904.64	\$336.69	4.45%
12000	\$7,873.50	\$8,212.45	\$338.95	4.30%
12500	\$8,179.05	\$8,520.27	\$341.21	4.17%
13000	\$8,484.60	\$8,828.08	\$343.48	4.05%
13500	\$8,790.15	\$9,135.90	\$345.75	3.93%
14000	\$9,095.70	\$9,443.71	\$348.01	3.83%
14500	\$9,401.25	\$9,751.53	\$350.28	3.73%
15000	\$9,706.80	\$10,059.34	\$352.54	3.63%
15500	\$10,012.35	\$10,367.16	\$354.80	3.54%
16000	\$10,317.90	\$10,674.97	\$357.07	3.46%

* Includes an average monthly gas cost of 50.00¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY PANHANDLE EASTERN
LARGE VOLUME TRANSPORTATION SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
1000	\$1,469.60	\$1,888.30	\$418.70	28.49%
3000	\$2,828.80	\$3,334.90	\$506.10	17.89%
5000	\$4,188.00	\$4,781.50	\$593.50	14.17%
7000	\$5,547.20	\$6,228.10	\$680.90	12.27%
10000	\$7,329.20	\$8,014.60	\$685.40	9.35%
15000	\$10,299.20	\$10,992.10	\$692.90	6.73%
20000	\$13,269.20	\$13,969.60	\$700.40	5.28%
25000	\$16,239.20	\$16,947.10	\$707.90	4.36%
30000	\$19,209.20	\$19,924.60	\$715.40	3.72%
35000	\$22,179.20	\$22,902.10	\$722.90	3.26%
40000	\$25,149.20	\$25,879.60	\$730.40	2.90%
45000	\$28,119.20	\$28,857.10	\$737.90	2.62%
50000	\$31,089.20	\$31,834.60	\$745.40	2.40%
60000	\$37,029.20	\$37,789.60	\$760.40	2.05%
70000	\$42,969.20	\$43,744.60	\$775.40	1.80%
80000	\$48,909.20	\$49,699.60	\$790.40	1.62%
90000	\$54,849.20	\$55,654.60	\$805.40	1.47%
100000	\$60,789.20	\$61,609.60	\$820.40	1.35%
110000	\$66,729.20	\$67,564.60	\$835.40	1.25%
120000	\$72,669.20	\$73,519.60	\$850.40	1.17%
130000	\$78,609.20	\$79,474.60	\$865.40	1.10%
140000	\$84,549.20	\$85,429.60	\$880.40	1.04%
150000	\$90,489.20	\$91,384.60	\$895.40	0.99%
160000	\$96,429.20	\$97,339.60	\$910.40	0.94%
170000	\$102,369.20	\$103,294.60	\$925.40	0.90%
180000	\$108,309.20	\$109,249.60	\$940.40	0.87%
190000	\$114,249.20	\$115,204.60	\$955.40	0.84%
200000	\$120,189.20	\$121,159.60	\$970.40	0.81%
210000	\$126,129.20	\$127,114.60	\$985.40	0.78%
220000	\$132,069.20	\$133,069.60	\$1,000.40	0.76%
230000	\$138,009.20	\$139,024.60	\$1,015.40	0.74%
240000	\$143,949.20	\$144,979.60	\$1,030.40	0.72%

* Includes an average monthly gas cost of 50.00¢/Ccf and excludes taxes

UNION ELECTRIC COMPANY
TYPICAL MONTHLY BILL COMPARISON
SERVICE AREA SUPPLIED BY TEXAS EASTERN
LARGE VOLUME TRANSPORTATION SERVICE

<u>Ccf</u>	<u>Present *</u>	<u>Proposed *</u>	<u>Change</u>	<u>% Change</u>
1000	\$1,469.60	\$1,888.30	\$418.70	28.49%
3000	\$2,828.80	\$3,334.90	\$506.10	17.89%
5000	\$4,188.00	\$4,781.50	\$593.50	14.17%
7000	\$5,547.20	\$6,228.10	\$680.90	12.27%
10000	\$7,329.20	\$8,014.60	\$685.40	9.35%
15000	\$10,299.20	\$10,992.10	\$692.90	6.73%
20000	\$13,269.20	\$13,969.60	\$700.40	5.28%
25000	\$16,239.20	\$16,947.10	\$707.90	4.36%
30000	\$19,209.20	\$19,924.60	\$715.40	3.72%
35000	\$22,179.20	\$22,902.10	\$722.90	3.26%
40000	\$25,149.20	\$25,879.60	\$730.40	2.90%
45000	\$28,119.20	\$28,857.10	\$737.90	2.62%
50000	\$31,089.20	\$31,834.60	\$745.40	2.40%
60000	\$37,029.20	\$37,789.60	\$760.40	2.05%
70000	\$42,969.20	\$43,744.60	\$775.40	1.80%
80000	\$48,909.20	\$49,699.60	\$790.40	1.62%
90000	\$54,849.20	\$55,654.60	\$805.40	1.47%
100000	\$60,789.20	\$61,609.60	\$820.40	1.35%
110000	\$66,729.20	\$67,564.60	\$835.40	1.25%
120000	\$72,669.20	\$73,519.60	\$850.40	1.17%
130000	\$78,609.20	\$79,474.60	\$865.40	1.10%
140000	\$84,549.20	\$85,429.60	\$880.40	1.04%
150000	\$90,489.20	\$91,384.60	\$895.40	0.99%
160000	\$96,429.20	\$97,339.60	\$910.40	0.94%
170000	\$102,369.20	\$103,294.60	\$925.40	0.90%
180000	\$108,309.20	\$109,249.60	\$940.40	0.87%
190000	\$114,249.20	\$115,204.60	\$955.40	0.84%
200000	\$120,189.20	\$121,159.60	\$970.40	0.81%
210000	\$126,129.20	\$127,114.60	\$985.40	0.78%
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* Includes an average monthly gas cost of 50.00¢/Ccf and excludes taxes