

Exhibit No.:

Issues: Revenue Adjustments /  
Rate Design /  
Misc. Tariff Revisions

Witness: William. M. Warwick

Type of Exhibit: Direct Testimony

Sponsoring Party: Union Electric Co.  
d/b/a AmerenUE

Case No.: GR-2000-512

MISSOURI PUBLIC SERVICE COMMISSION

CASE NO. GR-2000-512

DIRECT TESTIMONY

OF

WILLIAM M. WARWICK

Exhibit No. 28  
Date 10-11-00 Case No. GR-2000-512  
Reporter KS

St. Louis, Missouri  
April 3, 2000

MISSOURI PUBLIC SERVICE COMMISSION

STATE OF MISSOURI

In the Matter of Union Electric Company d/b/a )  
AmerenUE for Authority to File Tariffs Increasing ) Case No. GR-2000-512  
Rates for Gas Service Provided to Customers in the )  
Company's Missouri Service Area. )

AFFIDAVIT OF WILLIAM M. WARWICK

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

William M. Warwick, being first duly sworn on his oath, states:

1. My name is William M. Warwick. I work in the City of St. Louis, Missouri, and I am a Senior Engineer in the Rate Engineering Department of Ameren Services Company.

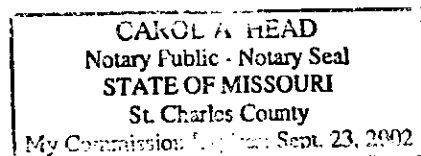
2. Attached hereto and made a part hereof for all purposes is my Direct Testimony consisting of pages 1 through 9, including Schedules 1 through 5, all of which testimony has been prepared in written form for introduction into evidence in Missouri Public Service Commission Case No. GR-2000-512 on behalf of Union Electric Company.

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

*William M. Warwick*

Subscribed and sworn to before me this 27 day of March, 2000.

*Carol A. Head*  
Notary Public



DIRECT TESTIMONY  
OF  
WILLIAM M. WARWICK

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1 **DIRECT TESTIMONY**

2 **OF**

3 **WILLIAM M. WARWICK**

4 **UNION ELECTRIC COMPANY**

5 **d/b/a AmerenUE**

6 **CASE NO. GR-2000-512**

7  
8 **Q. Please state your name and business address.**

9 A. My name is William M. Warwick and my business address is 1901  
10 Chouteau Avenue, St. Louis, Mo. 63103.

11 **Q. Please state your occupation and by whom you are employed.**

12 A. I am a Senior Engineer in the Rate Engineering Department at Ameren  
13 Services Company.

14 **Q. Please describe your educational background, work experience, and**  
15 **current duties and responsibilities.**

16 A. This information is summarized in Schedule 1 to my testimony.

17 **PURPOSE OF TESTIMONY**

18 **Q. What are your areas of responsibility with regard to this case?**

19 A. My principal responsibilities in this proceeding are a) the weather  
20 normalization of test year revenues and accounting for the switch of several large  
21 customers from one customer class to another during the test year; b) the design and

Direct Testimony of  
William M. Warwick

1 development of the proposed individual customer class rates and associated tariffs; and  
2 c) various other miscellaneous proposed tariff changes.

3 **Q. Are you sponsoring any schedules in this proceeding in addition to**  
4 **Schedule 1?**

5 **A.** I am also sponsoring Schedules 2 through 5.

6 **Q. Please identify Schedule 2.**

7 **A.** Schedule 2 consists of sixteen (16) tariff sheets which reflect the revised  
8 rates and riders being proposed by Union Electric Company d/b/a AmerenUE for  
9 approval by the Commission in this proceeding. Such tariffs would provide an increase  
10 in the Company's net Missouri jurisdictional normalized test year revenue of  
11 approximately \$12.1 million, or 14.3%, over the annualized test year (12 months ending  
12 June 30, 1999) revenue realized from the tariffs which were effective at the time of  
13 filing.

14 **Q. Please identify Schedule 3.**

15 **A.** Schedule 3 shows the distribution of the proposed net revenue increase to  
16 the Company's various customer service classifications, resulting from the proposed  
17 tariffs in Schedule 2, excluding gross receipts taxes levied on customer billings by the  
18 various municipalities within the Company's service area.

19 **Q. Please identify Schedule 4.**

20 **A.** Schedule 4 illustrates the effects of the proposed rates in Schedule 2  
21 upon typical monthly bills of customers served under the Company's present rate  
22 classifications.

1           **Q.     Please identify Schedule 5.**

2           A.     Schedule 5 illustrates the net effect of the weather adjustment and  
3 customer rate switching upon the Company's non-gas revenue at current rates.

4                               **REVENUE ADJUSTMENTS**

5           **Q.     Beginning with your first area of responsibility in this case, why was**  
6 **it necessary to make adjustments to actual test year revenue?**

7           A.     In most instances actual test year sales and revenue are likely to vary  
8 from those which would be experienced during a period of normal weather. In addition,  
9 some non-residential customers have switched from one customer class to another  
10 during the test year and the use of the actual test year sales and revenue of such  
11 customers would not fully reflect the annualized impact of their current rate status. In  
12 order for the Company to have an opportunity to achieve the level of revenue and  
13 earnings authorized by the Commission at the conclusion of this case, the rates granted  
14 must reflect the annual sales and revenue which are anticipated to occur under normal  
15 weather and known operating conditions. Thus, the actual test year results were  
16 adjusted to reflect normal weather conditions and the effect of customer service  
17 classification changes.

18           **Q.     Please define the specific "Non-Gas Revenue" term that you will be**  
19 **using in this testimony.**

20           A.     As used in this testimony, Non-Gas Revenue represents the annual  
21 revenue, including Transportation Service revenue, which provides a return on the  
22 Company's net investment in property and plant and, in addition, provides for the

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1 recovery of the Company's annual operating and maintenance expenses (excluding  
2 purchased gas expense), depreciation and taxes. These Non-Gas Revenues are also  
3 often referred to as delivery, distribution or margin revenues within the industry.

4 **Q. Please define the term "Other Revenue" as it will be used in your**  
5 **testimony.**

6 **A.** Revenue resulting from items such as late payment fees and the tariffed  
7 Miscellaneous Charges, such as service pipe charges, service relocations, meter testing  
8 charges, reconnection charges, returned check charges and excess flow valve charges  
9 constitute Other Revenue. Such revenue excludes Transportation Service revenue,  
10 which is included as Non-Gas Revenue by the Company in this case.

11 **Q. What adjustments were made to actual test year Non-Gas Revenue**  
12 **in this case?**

13 **A.** First, actual test year Non-Gas Revenue was adjusted to reflect the  
14 switch of several non-residential customers from sales service to transportation service  
15 during the test year. That is, actual test year billing records were analyzed for customers  
16 who were buying gas from AmerenUE at the beginning of the test year (sales  
17 customers), but either changed to or were known to be changing to transportation  
18 service (buying gas from another supplier) at some time during the test year. All  
19 Company supplied units of gas delivered to these customers during the test year were  
20 transferred to the transportation class units of gas, as a result of this adjustment.

21 Second, actual test year Non-Gas Revenue was adjusted to reflect  
22 expected levels under normal weather conditions. The normalized customer gas

1 consumption developed in the Company's weather normalization analysis, sponsored in  
2 this case by Company witness James R. Pozzo, was used in deriving the normalized gas  
3 revenue for the test year.

4 **Q. What effect did these adjustments have on actual test year Non-Gas**  
5 **Revenue?**

6 A. As shown in Schedule 5 the total adjustment for weather variations from  
7 normal and the switch of several customers from sales service to transportation service  
8 increased actual test year billed Non-Gas Revenue by approximately \$1,845,000.

9 **Q. Were there adjustments made to Other Revenue?**

10 A. Equal and offsetting adjustments were made to Other Revenue and to  
11 Non-Gas Transportation Service revenue, as the latter is normally booked by the  
12 Company as Other Revenue. This adjustment has no impact upon the Company's total  
13 gas revenue, but is necessary to properly align all Non-Gas Revenue for comparable  
14 service. All other test year adjustments are discussed in the direct testimony of  
15 Company witness Gary S. Weiss.

16 **RATE DESIGN**

17 **Q. Moving to your next area of participation in this proceeding, what**  
18 **were the Company's principal objectives in the design and development of the**  
19 **proposed individual customer class rates?**

20 A. The Company's principal objectives were a) to have total revenue from  
21 the proposed rates equal the annual test year revenue requirement of each customer  
22 class; and b) to have the design of each rate reflect the class cost-of-service study as



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William M. Warwick

1 near as practicable. The costs, or revenue requirements, for serving each customer class  
2 were developed in a study sponsored by Company witness Philip B. Difani Jr. in his  
3 direct testimony in this case.

4 **Q. Mr. Warwick, how were the charges within each rate schedule**  
5 **adjusted to recover the proposed class revenue requirements?**

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 Philip B. Difani Jr. The resulting class revenues provided by the  
9 proposed Customer Charges were subtracted from Mr. Difani's total revenue  
10 requirements for each customer class. The remaining revenue requirement of each class  
11 was then recovered through the volumetric Delivery Charges while maintaining the  
12 existing rate design. The resulting impacts of the proposed rates upon typical monthly  
13 bills of customers are illustrated in Schedule 4.

14 **Q. Mr. Warwick, what other changes are being proposed to the**  
15 **Company's rate schedules?**

16 **A.** The Company is proposing three (3) changes to its existing  
17 Transportation tariffs. First, for both Standard and Large Volume Transportation  
18 service, the Company is proposing to increase the Electronic Gas Meter (EGM) Billing  
19 Charge from \$25.00 per month to \$40.00 per month and to rename the charge the  
20 Electronic Gas Meter (EGM) Administrative Charge. Second, the Company is  
21 proposing to eliminate the one-time \$4,800 meter charge for the installed cost of an  
22 electronic meter, and is proposing to replace it with a monthly EGM Meter Equipment

1 Charge of \$21.00 per meter per month. Third, the Company is proposing the addition  
2 of a 5% tolerance level to both the current negative and positive daily balancing  
3 provisions.

4 **Q. Why is the Company proposing to increase the monthly EGM**  
5 **Administrative Charge?**

6 **A.** The monthly EGM Administrative Charge, previously referred to as the  
7 EGM Billing Charge, is being increased to reflect the cost of the Company's investment  
8 and O&M expenses associated with a state-of-the-art data system and electronic bulletin  
9 board that is used by the Company, gas marketers and customers to conduct the  
10 administration and management of gas transportation activities. A monthly EGM  
11 Administrative Charge of \$40 is required to recover the Company's Missouri gas  
12 transportation customers' share of the investment and operating expenses associated  
13 with this infrastructure.

14 **Q. Mr. Warwick, why is the Company proposing to eliminate the one-**  
15 **time electronic meter charge of \$4,800 and to replace it with a monthly EGM**  
16 **Meter Equipment Charge of \$21.00?**

17 **A.** Company witness Richard J. Kovach will address this in his direct  
18 testimony.

19 **Q. Please describe the development of the \$21.00 monthly EGM Meter**  
20 **Equipment Charge.**

21 **A.** The monthly EGM Meter Equipment Charge was determined by  
22 applying the fixed charge rate developed in Company witness' Philip B. Difani Jr. class

1 cost-of-service study to the installed costs of the meter sets used to monitor gas  
2 transportation customers' usage.

3 **Q. Please explain the proposed change to the daily balancing provisions**  
4 **of the Transportation Service Rate.**

5 A. Company witness Scott A. Glaeser, in his direct testimony, will address  
6 the proposed change to the daily balancing provisions of the Company's Transportation  
7 Service.

8 **MISCELLANEOUS OTHER TARIFF CHANGES**

9 **Q. Mr. Warwick, please describe the other proposed changes set forth**  
10 **on the tariff sheets in Schedule 2 of your testimony in this case.**

11 A. Sheet No. 8, Section 5. – Purchased Gas Adjustment of the Company's  
12 Interruptible Service tariff is being revised as a housekeeping measure to reflect the  
13 final rate design for this class approved in the Company's last gas rate case.  
14 Inadvertently, the language on Sheet No. 8 Section 5. was never revised to  
15 accommodate the final rate design. This change has no substantive effect on rates and  
16 merely reflects the current application of the PGA.

17 Sheet No. 20.1, of the Company's Miscellaneous Charges, was added setting  
18 forth the Company's proposed \$21.00 per month EGM Meter Equipment Charge for the  
19 Transportation Service schedule which was discussed earlier in my testimony and is  
20 also discussed in Company witness Richard J. Kovach's direct testimony.

21 Sheet Nos. 29.7 and 29.9 through 29.14, of the Company's Rider A Purchased  
22 Gas Adjustment (PGA) Clause tariffs, relating to the Company's Gas Supply Incentive

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1 Plan (GSIP), were revised or added to allow transactions with affiliates in accordance  
2 with the Commission's affiliate transaction regulations under the Off-System Revenues  
3 component, to reflect the addition of a Gas Procurement component, to permit the  
4 Company to request termination or modification of the GSIP in the occurrence of an  
5 unusual event adversely impacting purchased gas costs, and to extend the term of the  
6 GSIP through March 2004. The details of the GSIP revisions will be addressed by  
7 Company witness Scott A. Glaeser in his direct testimony.

8 **Q. Does this conclude your testimony?**

9 **A. Yes.**

Sponsoring Witness: William M. Warwick  
Direct Testimony  
Sponsoring Party: Union Electric Company  
d/b/a AmerenUE  
Case No.: GR-2000-512

List of Schedules

<u>Schedule No.</u>	<u>Description of Schedule</u>
1	Qualifications
2	Proposed Tariff Sheets
3	Summary Of Proposed Missouri Gas Rate Revisions
4	Typical Monthly Bills
5	Proposed Adjustments To Non-Gas Revenue

## QUALIFICATIONS OF WILLIAM M. WARWICK

My name is William M. Warwick, and I reside in St. Louis County, Missouri.

I am a Sr. Engineer in the Rate Engineering Department of Corporate Planning at Ameren Services Company.

I received the degree of Bachelor of Science in Engineering Management from the University of Missouri-Rolla in December 1978.

I was employed at ACF Industries' Amcar Division-St. Louis Plant from December, 1978 to December, 1981, as an engineer in the Industrial Engineering Department, responsible for project planning. I began working at Union Electric Company (now doing business as AmerenUE) in the Rate Engineering Department in December, 1981. I assumed my current position with Ameren Services Company upon completion of the merger of CIPSCO, Inc. and Union Electric effective December 31, 1997.

My duties and responsibilities include assignments related to AmerenUE's gas and electric rates, including participation in regulatory proceedings, rate analysis, the development and interpretation of the Company's gas and electric tariffs, including rules and regulations, and other rate or regulatory projects as assigned. Also, I have direct responsibility for the purchased gas adjustment and actual cost adjustment calculations and filings with this Commission.

## 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: | \$14.00 per month |
| Delivery Charge: | 23.53¢ 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. 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 indicated thereon will have a late payment charge added thereto.

\* Indicates Change.

DATE OF ISSUE February 18, 2000 DATE EFFECTIVE April 2, 2000

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

SCHEDULE 2-1

# 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:	\$22.00 per month
Delivery Charge:	
First 7,000 Ccf	18.18¢ per Ccf
Over 7,000 Ccf	11.92¢ 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	<u>February 18, 2000</u>	DATE EFFECTIVE	<u>April 2, 2000</u>
ISSUED BY	<u>C. W. Mueller</u>	<u>President &amp; CEO</u>	<u>St. Louis, Missouri</u>
	<small>Name of Officer</small>	<small>Title</small>	<small>Address</small>
			<u>SCHEDULE 2-2</u>



# 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:	\$275.00 per month
Interruptible Gas Delivery Charge:	
First 7,000 Ccf	12.27¢ per Ccf
Over 7,000 Ccf	7.45¢ per Ccf
Assurance Gas Surcharge:	
First 250 Ccf per day	5.91¢ per Ccf
All Over 250 Ccf per day	3.34¢ per Ccf

\* Indicates Change.

DATE OF ISSUE February 18, 2000 DATE EFFECTIVE April 2, 2000  
ISSUED BY C. W. Mueller President & CEO St. Louis, Missouri  
Name of Officer Title Address  
SCHEDULE 2-3

# UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

## INTERRUPTIBLE SERVICE RATE WITH AN ASSURANCE GAS OPTION

### Unauthorized Gas Delivery Charge:

All volumes of natural gas taken by a customer in excess of the level of contracted daily Assurance Gas, during any period of interruption called by the Company, is "unauthorized use" and will be assessed "Unauthorized Gas Delivery Charges". Company will provide customer no less than two (2) hours advance notification before assessing Unauthorized Gas Delivery Charges. Unauthorized Gas Delivery Charges shall be billed as follows:

### Unauthorized Gas Delivery Charges:

- 1) \$1.50 (one dollar and fifty cents) for each Ccf of unauthorized use, plus
- 2) 150% (one hundred fifty percent) of the highest cost of gas purchased by the Company for supplying the service area in which the customer receives service, during the Unauthorized Gas Delivery Charge period (period of interruption), plus
- 3) all intrastate and/or interstate pipeline penalties and other charges incurred by the Company which are attributable to a customer's unauthorized use.

All intrastate and interstate pipeline penalties and other charges shall be attributed and assigned to the unauthorized gas used by the specific Interruptible Service customer.

All Unauthorized Gas Delivery Charge revenues billed to customers will be considered as gas cost recovery and will be used in the development of the Actual Cost Adjustment (ACA) factor of the Company's Purchased Gas Adjustment (PGA) Clause.

4. Minimum Monthly Charge. The Customer Charge.

\* 5. Purchased Gas Adjustment.

Applicable to all metered and/or billed Ccf, pursuant to the provisions of Rider A - PGA Clause. The difference between the Interruptible Sales Total PGA factor and the Firm Sales Total PGA factor of Rider A shall apply to the monthly billed Assurance Gas Ccf. The Interruptible Sales Total PGA factor of Rider A shall apply to all of the monthly billed Ccf.

\* Indicates Change.

DATE OF ISSUE February 18, 2000 DATE EFFECTIVE April 2, 2000

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

SCHEDULE 2-4

# UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

## NATURAL GAS TRANSPORTATION SERVICE

### 1. Availability.

This service schedule is available to any non-residential customer on a per meter basis who can individually secure sufficient supplies of natural gas on its own behalf and arrange to have it delivered to the Company's system. 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.

	Standard Transportation(1)	Large Volume Transportation(2)
Customer Charge:	\$25.00	\$1,110.00 per month
Electronic Gas Meter (EGM) Charges:		
Administrative Charge:	\$40.00	\$40.00 per month
Meter Equipment Charge:	Section G. Miscellaneous Charges Sheet No. 20.1, as applicable.	
Transportation Charge:		
First 7,000 Ccf	14.16¢	14.16¢ per Ccf
All Over 7,000 Ccf	8.89¢	7.40¢ per Ccf

- (1) A customer, at the date of its contract, whose annual transportation requirements are expected to be 600,000 Ccf or less.
- (2) A customer, at the date of its contract, whose annual transportation requirements are expected to be greater than 600,000 Ccf.

### Authorized Gas Use Charge:

All Ccf of Company-owned gas consumed by customer with authorization from Company during periods of non-interruption of any sales service will be billed at the applicable service area's firm sales service Purchased Gas Adjustment (PGA) factor plus 40%. The payment of the Authorized Gas Use Charge will be in addition to the above Customer, EGM and Transportation Charges. Company will not actively market the sale of Company-owned gas to transportation customers and will sell such gas

\* Indicates Change.

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## UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

### NATURAL GAS TRANSPORTATION SERVICE

- \* 3. Minimum Monthly Charge. The Customer Charge, EGM Administrative Charge and, as applicable, the EGM Meter Equipment Charge.
4. Purchased Gas Adjustment.  
All customers receiving transportation service will be subject to the provisions of the Company's PGA clause, Rider A.
5. 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.
6. Term of Contract.  
Service hereunder shall be for a minimum period of one(1) year.
7. 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 the customers under the jurisdiction of the taxing authority.
8. Terms and Conditions.  
A. Transportation service under this schedule will be made available to customers upon request when the Company has sufficient distribution capacity to supply such service. If the Company determines that it does not have sufficient distribution capacity to provide the requested service it will, within 30 days of receiving a request for transportation service, provide to the customer requesting said service a written explanation of its capacity determination including a preliminary indication of changes to facilities necessary to effectuate such service, approximate cost to customer and time required to provide the requested service.

\* Indicates Change.

DATE OF ISSUE February 18, 2000 DATE EFFECTIVE April 2, 2000  
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Name of Officer Title Address

SCHEDULE 2-6

## UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

### NATURAL GAS TRANSPORTATION SERVICE

- B. Service under this schedule shall require execution of a Gas Transportation Service Agreement between the Company and the customer requesting transportation service in a form similar to that contained in Section 11 below.
- C. Service will be provided only after requisite contracts and authority have been obtained by the customer to transport gas to the Company's facilities.
- D. All volumes of gas transported hereunder shall be of compatible pipeline quality.
- E. Gas delivered under this schedule shall not be resold by the customer.
- \*F. Gas transported for all current and future customers hereunder shall be metered by an electronic recording device with remote monitoring features for the recording of the customer's daily gas usage and real time flow data. The Company will install and the customer will pay for said meter at the monthly charge indicated in Section G. Miscellaneous Charges, Sheet No. 20.1. In addition, the customer shall arrange and pay for the installation and monthly costs of a commercial telephone line and 120 volt AC electrical power source, at a location designated by the Company, to facilitate the remote interrogation of the electronic recording meter by the Company.
- G. In addition to collection of the rates and charges provided for in Section 2. above, the Company shall retain two percent (2%) of the quantities of natural gas received from the customer for reimbursement in kind from the customer for shrinkage or line losses.

\* Indicates Change.

DATE OF ISSUE February 18, 2000 DATE EFFECTIVE April 2, 2000  
ISSUED BY C. W. Mueller President & CEO St. Louis, Missouri  
Name of Officer Title Address  
SCHEDULE 2-7

## UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

### NATURAL GAS TRANSPORTATION SERVICE

- \* A negative imbalance is created when the customer's gas delivered to the Company as adjusted by the loss factor is less than the quantities of gas used by the customer. A negative imbalance during periods of Company interruption of any sales service will be considered unauthorized use and billed at the Unauthorized Gas Use Charge set forth in Section 2. herein. A negative imbalance during other times will be considered balancing use and will be billed at the following tiers and referred to as the "Balancing Gas Use Charge":

Daily negative imbalances of 5% or less will be accumulated throughout the month and billed at the applicable service area's firm sales service PGA factor.

Daily negative imbalances greater than 5% will be accumulated throughout the month and billed at the applicable service area's firm sales service PGA factor plus 10%.

- \* A positive imbalance is created when the customer's gas delivered to the Company as adjusted by the loss factor exceeds the quantities of gas used by the customer. The Company will purchase positive imbalances at the following tiers:

Daily positive imbalances of 5% or less will be accumulated throughout the month and will be purchased at the indexed commodity price as quoted in the publication "Inside FERC's Gas Market Report" in the first issue during the month the imbalance was created.

Daily positive imbalances greater than 5% will be accumulated throughout the month and will be purchased at ninety percent (90%) of the indexed commodity price as quoted in the publication "Inside FERC's Gas Market Report" in the first issue during the month the imbalance was created.

The index will be specific for each service area as follows:

"Panhandle Eastern Pipe Line Co. - Texas, Oklahoma (mainline)"

"Texas Eastern Transmission Corp. - East Louisiana Zone"

"Natural Gas Pipeline Co. of America - Texok Zone"

The daily negative and positive imbalance billings so calculated will be applied to the customer's monthly bill. Net payments to customer will be included in the Company's PGA Clause Actual Cost Adjustment (ACA) computation as purchased gas costs and net payments to Company will be included as revenue recovery.

- J. Except as specifically provided for herein, all of the Company's Rules and Regulations for natural gas service which are not in conflict herewith shall apply to service rendered hereunder.

\* Indicates Change.

DATE OF ISSUE February 18, 2000 DATE EFFECTIVE April 2, 2000

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

## UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

### MISCELLANEOUS CHARGES

**\*G. Electronic Gas Meter (EGM) Equipment Charge**

Sheet No. 10 Paragraph 2, Sheet No. 12 Paragraph 3 and Sheet No. 13 Paragraph F. - This EGM Meter Equipment Charge shall apply to transportation customers who enter into contracts with the Company for transportation service to be provided under the Company's Natural Gas Transportation Service tariff commencing after April 2, 2000.

Gas transported under the Natural Gas Transportation Service tariff shall be metered by an electronic recording device with remote monitoring features for the recording of the customer's daily gas usage and real time flow data. The transportation customer will pay the Company a monthly per meter charge for said metering as follows:

EGM Meter Equipment Charge .....\$21.00 per meter per month

\* Indicates Addition.

DATE OF ISSUE February 18, 2000 DATE EFFECTIVE April 2, 2000

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

SCHEDULE 2-9

# UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

## RIDER A

### PURCHASED GAS ADJUSTMENT CLAUSE

C. Off-System Revenues. The Company shall credit its ACA Accounts for 70% of off-system sales net revenues as such revenues are defined and accounted for below. The Company will credit its IR Accounts for 30% of such net revenues which shall be retained by the Company.

- \*1. Definitions. Off-system Sales (OFF-Sales) are herein defined as any Company sale of gas, or gas bundled with pipeline transportation, made to parties other than the Company's transportation customers or their agents. OFF-Sales shall not be made where ultimate consumption is for consumers who receive regular local distribution company ("LDC") gas sales or LDC transportation service from the Company. OFF-Sales may be made to any affiliate of the Company in accordance with the rules and regulations of the Missouri Public Service Commission applicable to affiliate transactions. The term of each OFF-sales during the peak season months of November through March shall not exceed one month. OFF-sales during the remainder of the year shall not be limited in term; provided, however, that these sales shall not continue into the peak season months.

Off-system Sale Revenues (OFF-Revenues) are the actual revenues received by the Company from OFF-Sales.

Cost of Gas Supply (CGS) is the commodity cost related to the purchase of gas supply, exclusive of transportation costs.

Off-system Cost of Gas Supply (OFF-CGS) is the commodity cost related to the purchase of gas supply, exclusive of transportation costs, for proposed OFF-Sales. The OFF-CGS is equal to the highest CGS from the CGS-Schedule (as defined below) associated with the quantity of actual OFF-Sales for the pipeline on which the sale is made. The total OFF-CGS to be booked as a cost to the OFF-Sales accounts shall be equal to the sum of the multiplication of the gas cost of each individual transaction by the associated quantities actually sold as shown on the CGS-Schedule.

Off-system Cost of Transportation (OFF-COT) is the incremental cost of transportation related to the delivery of the gas supply for OFF-Sales to the point of delivery.

\*Indicates Change

DATE OF ISSUE February 18, 2000 DATE EFFECTIVE April 2, 2000  
ISSUED BY C. W. Mueller President & CEO St. Louis, Missouri  
Name of Officer Title Address  
SCHEDULE 2-10



# UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

## RIDER A

### PURCHASED GAS ADJUSTMENT CLAUSE

#### 4. Limitation on Sales

The Company's OFF-Sales shall be made on an as-available basis. The Company shall make no OFF-Sale where a negative margin results.

\*D. Gas Procurement. The Company shall debit or credit the IA Account and credit or debit the IR Account with a portion of the decrease or increase, respectively, in the costs the Company incurs to purchase natural gas supplies ("Procurement Costs") for system supply purposes in accordance with the following procedure and definitions:

1. A benchmark cost of gas shall be established for each month of the Company's ACA year and for each of the Company's three service areas. The benchmark shall consist of a demand cost component and a commodity cost component for all gas supplies other than those firm supplies purchased on a long-term fixed price basis ("Other Supplies"). "Long-term" is defined as fixed price basis gas purchased for periods greater than one month.
2. The demand cost benchmark component shall be equal to one-twelfth of the sum of the annualized demand costs for each type of gas supply contract the Company requires: baseload and swing. Baseload contracts require the Company to purchase its contracted quantities of gas each day of the contract period(s). Swing contracts provide daily nomination flexibility between zero and the maximum contracted quantity and may have no annual minimum or monthly contractual requirement.

\* Indicates Addition

DATE OF ISSUE February 18, 2000

DATE EFFECTIVE April 2, 2000

ISSUED BY C. W. Mueller President & CEO  
Name of Officer Title

St. Louis, Missouri  
Address

SCHEDULE 2-11

# UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

## RIDER A

### PURCHASED GAS ADJUSTMENT CLAUSE

3. For purposes of establishing the demand cost benchmark component in 2. above, the annualized demand charges for each type of gas supply contract shall be determined by multiplying the Company's annual design supply requirements for each type of supply contract by the associated average demand cost per MMBtu. The design supply requirements for each of the Company's three service areas are as follows:

<u>Contract Type</u>	<u>Annual Design Supply Requirements</u>
For the Panhandle Eastern service area:	
Baseload	4.55 Bcf
Swing	5.34 Bcf
For the Texas Eastern service area:	
Baseload	1.44 Bcf
Swing	1.03 Bcf
For the Natural Gas Pipeline service area:	
Baseload	0.15 Bcf
Swing	0.10 Bcf

The average demand cost per MMBtu for each type of supply contract shall be the average demand cost per MMBtu of the following geographic supply regions, by service area, from which the Company purchases gas:

For the Panhandle Eastern service area:  
Mid-continent (Texas/Oklahoma), Michigan/Michcon

For the Texas Eastern service area:  
East Texas, South Texas, West LA, East LA, M-1

For the Natural Gas Pipeline service area:  
Iowa-Illinois, TexOk, Mid-continent

# UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

## RIDER A

### PURCHASED GAS ADJUSTMENT CLAUSE

The average demand cost per MMBtu for each supply region, which shall be determined annually through the issuance of a Request For Proposal ("RFP") prior to the start of each ACA year, shall be the weighted average demand cost per MMBtu of all the proposals received by the Company, pursuant to the RFP, for each type of supply contract within each supply region, exclusive of the volumes associated with the highest-priced 10% of all volumes for such type of contract and supply region.

4. The commodity cost benchmark component for all Other Supplies shall be computed by multiplying total natural gas volumes purchased for on-system requirements, exclusive of any volumes purchased by the Company on a "long-term" firm fixed price ("Long-term Firm Fixed Price") basis, by the Weighted Average Spot Cost of Gas ("WACOG"). The WACOG shall be developed by using "Inside FERC Gas Market Report" or "Gas Daily" (where specified) first-of-the-month indices and weighting the respective indices by service area as follows:

For the Panhandle Eastern service area:

- 96% Panhandle Eastern Pipe Line Co.-Texas, Oklahoma (mainline)
- 4% Average of Monthly Contract Index as reported in "Gas Daily" for ANR ML7 (entire zone) and Mich.-MichCon

For the Texas Eastern service area:

- 23% Texas Eastern Trans. Corp. - South Texas zone
- 26% Texas Eastern Trans. Corp. - East Texas zone
- 20% Texas Eastern Trans. Corp. - West Louisiana zone
- 26% Texas Eastern Trans. Corp. - East Louisiana zone
- 5% Texas Eastern Trans. Corp. - M-1 (Kosi) Monthly Contract Index as reported in "Gas Daily"

DATE OF ISSUE February 18, 2000 DATE EFFECTIVE April 2, 2000

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

SCHEDULE 2-13

# UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

## RIDER A

### PURCHASED GAS ADJUSTMENT CLAUSE

For the Natural Gas Pipeline service area:

- 21% Natural Gas Pipeline Co. of America - TexOk zone
  - 75% Natural Gas Pipeline Co. of America - Mid-continent zone
  - 4% Natural Gas Pipeline Co. of America - Iowa-Ill.  
Receipt Monthly Contract Index as reported in "Gas Daily"
5. A cumulative benchmark cost of gas shall be computed by summing the benchmark cost of gas for all months of the year or portion thereof.
6. At the end of each ACA year, the Company shall compare the cumulative benchmark cost of gas defined above to actual cumulative costs for the Company's on-system requirements, excluding the commodity cost of "Long-term Firm Fixed Price" supplies.
- a. If the Company's cumulative actual cost is greater than the cumulative benchmark cost of gas but less than or equal to 104% of such cumulative benchmark cost of gas, the IA Account is not affected and such actual costs are deemed to be prudent.
  - b. If the Company's cumulative actual cost of gas is greater than 104% of the cumulative benchmark cost of gas but less than or equal to 110% of such cumulative benchmark cost of gas, the IA Account is credited and the IR Account is debited with 50% of the difference between such cumulative actual cost of gas and 104% of the benchmark cost of gas and such actual costs are deemed to be prudent.
  - c. If the Company's cumulative actual cost is greater than 110% of the cumulative benchmark cost of gas, the IA Account is credited and the IR Account is debited with 50% of the maximum difference computed in b. above and those costs in excess of 110% of the benchmark cost of gas shall be subject to a prudence review.

DATE OF ISSUE February 18, 2000 DATE EFFECTIVE April 2, 2000

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

# UNION ELECTRIC COMPANY GAS SERVICE

Applying to MISSOURI SERVICE AREA

## RIDER A

### PURCHASED GAS ADJUSTMENT CLAUSE

- d. If the Company's cumulative actual cost is less than the cumulative benchmark cost of gas but not less than 94% of the cumulative benchmark cost of gas, the IA Account is debited and the IR Account is credited with 50% of the difference.
- e. If the cumulative actual cost of gas is less than 94% of the cumulative benchmark cost of gas, the IA Account is debited and the IR Account is credited with 50% of the maximum difference computed in d. above.

#### \*E. Other Provisions

- \*1. The debits and credits to the IA and ACA Accounts shall be allocated to the applicable customer classifications, based on the volumes sold and/or transported during the ACA period. Debits from Sections A. and B. shall be allocated to the Company's firm sales customers. The debit or credits from Sections C. and D. shall be allocated to the Company's on-system firm and interruptible sales customers based on the ratio of actual firm and interruptible sales during the ACA period.
- \*2. For each ACA year, the debits and credits recorded in the IA and ACA Accounts including any balance from the previous year shall be accumulated to produce a cumulative balance of incentive adjustments. For purposes of computing new ACA factors for the subsequent twelve-month period beginning with the effective date of the Winter PGA Filing, such cumulative incentive adjustment balances shall be combined with the appropriate ACA balances. The Company shall separately record that portion of ACA revenue recovery which is attributable to recovery of the IA account balances. Any remaining balance shall be reflected in the subsequent ACA computations. The amounts in the IR Accounts will be retained by the Company.
- \*\*3. At the end of each ACA year, the Staff, the Office of Public Counsel and the Company will retain the right to review the GSIP and to request that the GSIP be modified, terminated or continued intact.

\*Indicates Change  
\*\*Indicates Reissue

DATE OF ISSUE February 18, 2000 DATE EFFECTIVE April 2, 2000

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

SCHEDULE 2-15

# UNION ELECTRIC COMPANY GAS SERVICE

Applying to \_\_\_\_\_ MISSOURI SERVICE AREA

RIDER A

PURCHASED GAS ADJUSTMENT CLAUSE

- \*4. If an unusual event occurs which would have a significant adverse impact on purchased gas costs, such as, an act of God, a significant change in federal or state laws or regulations, including tax laws, or a significant change in gas supply market or system operating conditions, the Company reserves the right at any time to make a filing seeking to either terminate or modify the GSIP.
- \*\*5. Unless terminated or revised in accordance with subparagraphs E.3. or E.4., the GSIP shall be effective through March, 2004.

\* Indicates Addition  
\*\* Indicates Change

DATE OF ISSUE February 18, 2000 DATE EFFECTIVE April 2, 2000  
ISSUED BY C. W. Mueller President & CEO St. Louis, Missouri  
Name of Officer Title Address  
SCHEDULE 2-16

UNION ELECTRIC COMPANY  
SUMMARY OF PROPOSED MISSOURI GAS RATE REVISIONS  
TEST YEAR 12 MONTHS ENDED JUNE 30, 1999

	Annual Bills	Ccf	Revenue <sup>1</sup>			
			<u>Present</u>	<u>Proposed</u>	<u>Change</u>	<u>%</u>
Residential	1,136,345	75,610,384	\$51,205,744	\$62,537,754	\$11,332,010	22.1%
General	140,185	43,377,210	\$25,994,853	\$27,242,573	\$1,247,720	4.8%
Interruptible	228	6,366,027	\$2,573,437	\$2,417,861	(\$155,576)	-6.0%
Transportation	<u>999</u>	<u>37,407,121</u>	<u>\$3,942,645</u>	<u>\$3,585,171</u>	<u>(\$357,474)</u>	<u>-9.1%</u>
Subtotal	1,277,757	162,760,742	\$83,716,679	\$95,783,359	\$12,066,680	14.4%
Other Revenues	<u>NA</u>	<u>NA</u>	<u>\$667,515</u>	<u>\$667,515</u>	<u>\$0</u>	<u>0.0%</u>
Total	<u>1,277,757</u>	<u>162,760,742</u>	<u>\$84,384,194</u>	<u>\$96,450,874</u>	<u>\$12,066,680</u>	<u>14.3%</u>

<sup>1</sup> Includes an average PGA factor of 38.14¢/Ccf, 28.19¢/Ccf, and 0.05¢/Ccf for Firm, Interruptible and Transportation Service respectively.

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	\$13.52	\$20.11	\$6.60	48.81%
20	\$19.03	\$26.23	\$7.19	37.80%
30	\$24.55	\$32.34	\$7.79	31.74%
40	\$30.06	\$38.45	\$8.39	27.90%
50	\$35.58	\$44.57	\$8.99	25.25%
60	\$41.10	\$50.68	\$9.58	23.32%
70	\$46.61	\$56.79	\$10.18	21.84%
80	\$52.13	\$62.90	\$10.78	20.67%
90	\$57.64	\$69.02	\$11.37	19.73%
100	\$63.16	\$75.13	\$11.97	18.95%
110	\$68.68	\$81.24	\$12.57	18.30%
120	\$74.19	\$87.36	\$13.16	17.74%
130	\$79.71	\$93.47	\$13.76	17.26%
140	\$85.22	\$99.58	\$14.36	16.85%
150	\$90.74	\$105.70	\$14.96	16.48%
160	\$96.26	\$111.81	\$15.55	16.16%
170	\$101.77	\$117.92	\$16.15	15.87%
180	\$107.29	\$124.03	\$16.75	15.61%
190	\$112.80	\$130.15	\$17.34	15.37%
200	\$118.32	\$136.26	\$17.94	15.16%
210	\$123.84	\$142.37	\$18.54	14.97%
220	\$129.35	\$148.49	\$19.13	14.79%
230	\$134.87	\$154.60	\$19.73	14.63%
240	\$140.38	\$160.71	\$20.33	14.48%
250	\$145.90	\$166.83	\$20.93	14.34%
260	\$151.42	\$172.94	\$21.52	14.21%
270	\$156.93	\$179.05	\$22.12	14.09%
280	\$162.45	\$185.16	\$22.72	13.98%
290	\$167.96	\$191.28	\$23.31	13.88%
300	\$173.48	\$197.39	\$23.91	13.78%

\* Includes an average monthly PGA of 37.60¢/Ccf and excludes taxes and weatherization charge.



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	\$13.91	\$20.50	\$6.60	47.44%
20	\$19.81	\$27.01	\$7.19	36.31%
30	\$25.72	\$33.51	\$7.79	30.29%
40	\$31.62	\$40.01	\$8.39	26.52%
50	\$37.53	\$46.52	\$8.99	23.94%
60	\$43.44	\$53.02	\$9.58	22.06%
70	\$49.34	\$59.52	\$10.18	20.63%
80	\$55.25	\$66.02	\$10.78	19.50%
90	\$61.15	\$72.53	\$11.37	18.60%
100	\$67.06	\$79.03	\$11.97	17.85%
110	\$72.97	\$85.53	\$12.57	17.22%
120	\$78.87	\$92.04	\$13.16	16.69%
130	\$84.78	\$98.54	\$13.76	16.23%
140	\$90.68	\$105.04	\$14.36	15.83%
150	\$96.59	\$111.55	\$14.96	15.48%
160	\$102.50	\$118.05	\$15.55	15.17%
170	\$108.40	\$124.55	\$16.15	14.90%
180	\$114.31	\$131.05	\$16.75	14.65%
190	\$120.21	\$137.56	\$17.34	14.43%
200	\$126.12	\$144.06	\$17.94	14.22%
210	\$132.03	\$150.56	\$18.54	14.04%
220	\$137.93	\$157.07	\$19.13	13.87%
230	\$143.84	\$163.57	\$19.73	13.72%
240	\$149.74	\$170.07	\$20.33	13.58%
250	\$155.65	\$176.58	\$20.93	13.44%
260	\$161.56	\$183.08	\$21.52	13.32%
270	\$167.46	\$189.58	\$22.12	13.21%
280	\$173.37	\$196.08	\$22.72	13.10%
290	\$179.27	\$202.59	\$23.31	13.00%
300	\$185.18	\$209.09	\$23.91	12.91%

\* Includes an average monthly PGA of 41.50¢/Ccf and excludes taxes and weatherization charge.

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	\$12.75	\$19.35	\$6.60	51.75%
20	\$17.50	\$24.69	\$7.19	41.11%
30	\$22.25	\$30.04	\$7.79	35.02%
40	\$27.00	\$35.38	\$8.39	31.07%
50	\$31.75	\$40.73	\$8.99	28.30%
60	\$36.49	\$46.08	\$9.58	26.26%
70	\$41.24	\$51.42	\$10.18	24.68%
80	\$45.99	\$56.77	\$10.78	23.43%
90	\$50.74	\$62.11	\$11.37	22.41%
100	\$55.49	\$67.46	\$11.97	21.57%
110	\$60.24	\$72.81	\$12.57	20.86%
120	\$64.99	\$78.15	\$13.16	20.26%
130	\$69.74	\$83.50	\$13.76	19.73%
140	\$74.49	\$88.84	\$14.36	19.28%
150	\$79.24	\$94.19	\$14.96	18.87%
160	\$83.98	\$99.54	\$15.55	18.52%
170	\$88.73	\$104.88	\$16.15	18.20%
180	\$93.48	\$110.23	\$16.75	17.91%
190	\$98.23	\$115.57	\$17.34	17.66%
200	\$102.98	\$120.92	\$17.94	17.42%
210	\$107.73	\$126.27	\$18.54	17.21%
220	\$112.48	\$131.61	\$19.13	17.01%
230	\$117.23	\$136.96	\$19.73	16.83%
240	\$121.98	\$142.30	\$20.33	16.67%
250	\$126.73	\$147.65	\$20.93	16.51%
260	\$131.47	\$153.00	\$21.52	16.37%
270	\$136.22	\$158.34	\$22.12	16.24%
280	\$140.97	\$163.69	\$22.72	16.11%
290	\$145.72	\$169.03	\$23.31	16.00%
300	\$150.47	\$174.38	\$23.91	15.89%

\* Includes an average monthly PGA of 29.93¢/Ccf and excludes taxes and weatherization charge.

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	\$42.78	\$49.89	\$7.11	16.62%
100	\$70.31	\$77.78	\$7.47	10.62%
150	\$97.84	\$105.67	\$7.83	8.00%
200	\$125.37	\$133.56	\$8.19	6.53%
250	\$152.90	\$161.45	\$8.55	5.59%
300	\$180.43	\$189.34	\$8.91	4.94%
350	\$207.96	\$217.23	\$9.27	4.46%
400	\$235.49	\$245.12	\$9.63	4.09%
450	\$263.02	\$273.01	\$9.99	3.80%
500	\$290.55	\$300.90	\$10.35	3.56%
1000	\$565.85	\$579.80	\$13.95	2.47%
1500	\$841.15	\$858.70	\$17.55	2.09%
2000	\$1,116.45	\$1,137.60	\$21.15	1.89%
2500	\$1,391.75	\$1,416.50	\$24.75	1.78%
3000	\$1,667.05	\$1,695.40	\$28.35	1.70%
3500	\$1,942.35	\$1,974.30	\$31.95	1.64%
4000	\$2,217.65	\$2,253.20	\$35.55	1.60%
4500	\$2,492.95	\$2,532.10	\$39.15	1.57%
5000	\$2,768.25	\$2,811.00	\$42.75	1.54%
5500	\$3,043.55	\$3,089.90	\$46.35	1.52%
6000	\$3,318.85	\$3,368.80	\$49.95	1.51%
6500	\$3,594.15	\$3,647.70	\$53.55	1.49%
7000	\$3,869.45	\$3,926.60	\$57.15	1.48%
7500	\$4,114.70	\$4,174.20	\$59.50	1.45%
8000	\$4,359.95	\$4,421.80	\$61.85	1.42%
8500	\$4,605.20	\$4,669.40	\$64.20	1.39%
9000	\$4,850.45	\$4,917.00	\$66.55	1.37%
9500	\$5,095.70	\$5,164.60	\$68.90	1.35%
10000	\$5,340.95	\$5,412.20	\$71.25	1.33%
15000	\$7,793.45	\$7,888.20	\$94.75	1.22%
20000	\$10,245.95	\$10,364.20	\$118.25	1.15%
25000	\$12,698.45	\$12,840.20	\$141.75	1.12%

\* Includes an average monthly PGA of 37.60¢/Ccf and excludes taxes and weatherization charge.

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	\$44.73	\$51.84	\$7.11	15.90%
100	\$74.21	\$81.68	\$7.47	10.07%
150	\$103.69	\$111.52	\$7.83	7.55%
200	\$133.17	\$141.36	\$8.19	6.15%
250	\$162.65	\$171.20	\$8.55	5.26%
300	\$192.13	\$201.04	\$8.91	4.64%
350	\$221.61	\$230.88	\$9.27	4.18%
400	\$251.09	\$260.72	\$9.63	3.84%
450	\$280.57	\$290.56	\$9.99	3.56%
500	\$310.05	\$320.40	\$10.35	3.34%
1000	\$604.85	\$618.80	\$13.95	2.31%
1500	\$899.65	\$917.20	\$17.55	1.95%
2000	\$1,194.45	\$1,215.60	\$21.15	1.77%
2500	\$1,489.25	\$1,514.00	\$24.75	1.66%
3000	\$1,784.05	\$1,812.40	\$28.35	1.59%
3500	\$2,078.85	\$2,110.80	\$31.95	1.54%
4000	\$2,373.65	\$2,409.20	\$35.55	1.50%
4500	\$2,668.45	\$2,707.60	\$39.15	1.47%
5000	\$2,963.25	\$3,006.00	\$42.75	1.44%
5500	\$3,258.05	\$3,304.40	\$46.35	1.42%
6000	\$3,552.85	\$3,602.80	\$49.95	1.41%
6500	\$3,847.65	\$3,901.20	\$53.55	1.39%
7000	\$4,142.45	\$4,199.60	\$57.15	1.38%
7500	\$4,407.20	\$4,466.70	\$59.50	1.35%
8000	\$4,671.95	\$4,733.80	\$61.85	1.32%
8500	\$4,936.70	\$5,000.90	\$64.20	1.30%
9000	\$5,201.45	\$5,268.00	\$66.55	1.28%
9500	\$5,466.20	\$5,535.10	\$68.90	1.26%
10000	\$5,730.95	\$5,802.20	\$71.25	1.24%
15000	\$8,378.45	\$8,473.20	\$94.75	1.13%
20000	\$11,025.95	\$11,144.20	\$118.25	1.07%
25000	\$13,673.45	\$13,815.20	\$141.75	1.04%

\* Includes an average monthly PGA of 41.50¢/Ccf and excludes taxes and weatherization charge.

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	\$38.95	\$46.06	\$7.11	18.26%
100	\$62.64	\$70.11	\$7.47	11.93%
150	\$86.34	\$94.17	\$7.83	9.07%
200	\$110.03	\$118.22	\$8.19	7.44%
250	\$133.73	\$142.28	\$8.55	6.39%
300	\$157.42	\$166.33	\$8.91	5.66%
350	\$181.12	\$190.39	\$9.27	5.12%
400	\$204.81	\$214.44	\$9.63	4.70%
450	\$228.51	\$238.50	\$9.99	4.37%
500	\$252.20	\$262.55	\$10.35	4.10%
1000	\$489.15	\$503.10	\$13.95	2.85%
1500	\$726.10	\$743.65	\$17.55	2.42%
2000	\$963.05	\$984.20	\$21.15	2.20%
2500	\$1,200.00	\$1,224.75	\$24.75	2.06%
3000	\$1,436.95	\$1,465.30	\$28.35	1.97%
3500	\$1,673.90	\$1,705.85	\$31.95	1.91%
4000	\$1,910.85	\$1,946.40	\$35.55	1.86%
4500	\$2,147.80	\$2,186.95	\$39.15	1.82%
5000	\$2,384.75	\$2,427.50	\$42.75	1.79%
5500	\$2,621.70	\$2,668.05	\$46.35	1.77%
6000	\$2,858.65	\$2,908.60	\$49.95	1.75%
6500	\$3,095.60	\$3,149.15	\$53.55	1.73%
7000	\$3,332.55	\$3,389.70	\$57.15	1.71%
7500	\$3,539.45	\$3,598.95	\$59.50	1.68%
8000	\$3,746.35	\$3,808.20	\$61.85	1.65%
8500	\$3,953.25	\$4,017.45	\$64.20	1.62%
9000	\$4,160.15	\$4,226.70	\$66.55	1.60%
9500	\$4,367.05	\$4,435.95	\$68.90	1.58%
10000	\$4,573.95	\$4,645.20	\$71.25	1.56%
15000	\$6,642.95	\$6,737.70	\$94.75	1.43%
20000	\$8,711.95	\$8,830.20	\$118.25	1.36%
25000	\$10,780.95	\$10,922.70	\$141.75	1.31%

\* Includes an average monthly PGA of 29.93¢/Ccf and excludes taxes and weatherization charge.

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	\$551.80	\$680.10	\$128.30	23.25%
2000	\$1,003.60	\$1,085.20	\$81.60	8.13%
3000	\$1,455.40	\$1,490.30	\$34.90	2.40%
4000	\$1,907.20	\$1,895.40	(\$11.80)	-0.62%
5000	\$2,359.00	\$2,300.50	(\$58.50)	-2.48%
6000	\$2,810.80	\$2,705.60	(\$105.20)	-3.74%
7000	\$3,262.60	\$3,110.70	(\$151.90)	-4.66%
8000	\$3,647.80	\$3,467.60	(\$180.20)	-4.94%
9000	\$4,033.00	\$3,824.50	(\$208.50)	-5.17%
10000	\$4,418.20	\$4,181.40	(\$236.80)	-5.36%
12500	\$5,381.20	\$5,073.65	(\$307.55)	-5.72%
15000	\$6,344.20	\$5,965.90	(\$378.30)	-5.96%
17500	\$7,307.20	\$6,858.15	(\$449.05)	-6.15%
20000	\$8,270.20	\$7,750.40	(\$519.80)	-6.29%
22500	\$9,233.20	\$8,642.65	(\$590.55)	-6.40%
25000	\$10,196.20	\$9,534.90	(\$661.30)	-6.49%
27500	\$11,159.20	\$10,427.15	(\$732.05)	-6.56%
30000	\$12,122.20	\$11,319.40	(\$802.80)	-6.62%
35000	\$14,048.20	\$13,103.90	(\$944.30)	-6.72%
40000	\$15,974.20	\$14,888.40	(\$1,085.80)	-6.80%
45000	\$17,900.20	\$16,672.90	(\$1,227.30)	-6.86%
50000	\$19,826.20	\$18,457.40	(\$1,368.80)	-6.90%
55000	\$21,752.20	\$20,241.90	(\$1,510.30)	-6.94%
60000	\$23,678.20	\$22,026.40	(\$1,651.80)	-6.98%
65000	\$25,604.20	\$23,810.90	(\$1,793.30)	-7.00%
70000	\$27,530.20	\$25,595.40	(\$1,934.80)	-7.03%
75000	\$29,456.20	\$27,379.90	(\$2,076.30)	-7.05%
80000	\$31,382.20	\$29,164.40	(\$2,217.80)	-7.07%
85000	\$33,308.20	\$30,948.90	(\$2,359.30)	-7.08%
90000	\$35,234.20	\$32,733.40	(\$2,500.80)	-7.10%
95000	\$37,160.20	\$34,517.90	(\$2,642.30)	-7.11%
100000	\$39,086.20	\$36,302.40	(\$2,783.80)	-7.12%

\* Includes an average monthly PGA of 28.24¢/Ccf and excludes taxes and weatherization charge.

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	\$551.10	\$679.40	\$128.30	23.28%
2000	\$1,002.20	\$1,083.80	\$81.60	8.14%
3000	\$1,453.30	\$1,488.20	\$34.90	2.40%
4000	\$1,904.40	\$1,892.60	(\$11.80)	-0.62%
5000	\$2,355.50	\$2,297.00	(\$58.50)	-2.48%
6000	\$2,806.60	\$2,701.40	(\$105.20)	-3.75%
7000	\$3,257.70	\$3,105.80	(\$151.90)	-4.66%
8000	\$3,642.20	\$3,462.00	(\$180.20)	-4.95%
9000	\$4,026.70	\$3,818.20	(\$208.50)	-5.18%
10000	\$4,411.20	\$4,174.40	(\$236.80)	-5.37%
12500	\$5,372.45	\$5,064.90	(\$307.55)	-5.72%
15000	\$6,333.70	\$5,955.40	(\$378.30)	-5.97%
17500	\$7,294.95	\$6,845.90	(\$449.05)	-6.16%
20000	\$8,256.20	\$7,736.40	(\$519.80)	-6.30%
22500	\$9,217.45	\$8,626.90	(\$590.55)	-6.41%
25000	\$10,178.70	\$9,517.40	(\$661.30)	-6.50%
27500	\$11,139.95	\$10,407.90	(\$732.05)	-6.57%
30000	\$12,101.20	\$11,298.40	(\$802.80)	-6.63%
35000	\$14,023.70	\$13,079.40	(\$944.30)	-6.73%
40000	\$15,946.20	\$14,860.40	(\$1,085.80)	-6.81%
45000	\$17,868.70	\$16,641.40	(\$1,227.30)	-6.87%
50000	\$19,791.20	\$18,422.40	(\$1,368.80)	-6.92%
55000	\$21,713.70	\$20,203.40	(\$1,510.30)	-6.96%
60000	\$23,636.20	\$21,984.40	(\$1,651.80)	-6.99%
65000	\$25,558.70	\$23,765.40	(\$1,793.30)	-7.02%
70000	\$27,481.20	\$25,546.40	(\$1,934.80)	-7.04%
75000	\$29,403.70	\$27,327.40	(\$2,076.30)	-7.06%
80000	\$31,326.20	\$29,108.40	(\$2,217.80)	-7.08%
85000	\$33,248.70	\$30,889.40	(\$2,359.30)	-7.10%
90000	\$35,171.20	\$32,670.40	(\$2,500.80)	-7.11%
95000	\$37,093.70	\$34,451.40	(\$2,642.30)	-7.12%
100000	\$39,016.20	\$36,232.40	(\$2,783.80)	-7.13%

\* Includes an average monthly PGA of 28.17¢/Ccf and excludes taxes and weatherization charge.

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	\$125.80	\$136.05	\$10.25	8.15%
1000	\$206.85	\$207.10	\$0.25	0.12%
1500	\$287.90	\$278.15	(\$9.75)	-3.39%
2000	\$368.95	\$349.20	(\$19.75)	-5.35%
2500	\$450.00	\$420.25	(\$29.75)	-6.61%
3000	\$531.05	\$491.30	(\$39.75)	-7.49%
3500	\$612.10	\$562.35	(\$49.75)	-8.13%
4000	\$693.15	\$633.40	(\$59.75)	-8.62%
4500	\$774.20	\$704.45	(\$69.75)	-9.01%
5000	\$855.25	\$775.50	(\$79.75)	-9.32%
5500	\$936.30	\$846.55	(\$89.75)	-9.59%
6000	\$1,017.35	\$917.60	(\$99.75)	-9.80%
6500	\$1,098.40	\$988.65	(\$109.75)	-9.99%
7000	\$1,179.45	\$1,059.70	(\$119.75)	-10.15%
7500	\$1,230.45	\$1,104.40	(\$126.05)	-10.24%
8000	\$1,281.45	\$1,149.10	(\$132.35)	-10.33%
8500	\$1,332.45	\$1,193.80	(\$138.65)	-10.41%
9000	\$1,383.45	\$1,238.50	(\$144.95)	-10.48%
9500	\$1,434.45	\$1,283.20	(\$151.25)	-10.54%
10000	\$1,485.45	\$1,327.90	(\$157.55)	-10.61%
10500	\$1,536.45	\$1,372.60	(\$163.85)	-10.66%
11000	\$1,587.45	\$1,417.30	(\$170.15)	-10.72%
11500	\$1,638.45	\$1,462.00	(\$176.45)	-10.77%
12000	\$1,689.45	\$1,506.70	(\$182.75)	-10.82%
12500	\$1,740.45	\$1,551.40	(\$189.05)	-10.86%
13000	\$1,791.45	\$1,596.10	(\$195.35)	-10.90%
13500	\$1,842.45	\$1,640.80	(\$201.65)	-10.94%
14000	\$1,893.45	\$1,685.50	(\$207.95)	-10.98%
14500	\$1,944.45	\$1,730.20	(\$214.25)	-11.02%
15000	\$1,995.45	\$1,774.90	(\$220.55)	-11.05%
15500	\$2,046.45	\$1,819.60	(\$226.85)	-11.09%
16000	\$2,097.45	\$1,864.30	(\$233.15)	-11.12%

\* Includes an average monthly PGA of 0.05¢/Ccf and excludes taxes and weatherization charge.



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	\$125.55	\$135.80	\$10.25	8.16%
1000	\$206.35	\$206.60	\$0.25	0.12%
1500	\$287.15	\$277.40	(\$9.75)	-3.40%
2000	\$367.95	\$348.20	(\$19.75)	-5.37%
2500	\$448.75	\$419.00	(\$29.75)	-6.63%
3000	\$529.55	\$489.80	(\$39.75)	-7.51%
3500	\$610.35	\$560.60	(\$49.75)	-8.15%
4000	\$691.15	\$631.40	(\$59.75)	-8.65%
4500	\$771.95	\$702.20	(\$69.75)	-9.04%
5000	\$852.75	\$773.00	(\$79.75)	-9.35%
5500	\$933.55	\$843.80	(\$89.75)	-9.61%
6000	\$1,014.35	\$914.60	(\$99.75)	-9.83%
6500	\$1,095.15	\$985.40	(\$109.75)	-10.02%
7000	\$1,175.95	\$1,056.20	(\$119.75)	-10.18%
7500	\$1,226.70	\$1,100.65	(\$126.05)	-10.28%
8000	\$1,277.45	\$1,145.10	(\$132.35)	-10.36%
8500	\$1,328.20	\$1,189.55	(\$138.65)	-10.44%
9000	\$1,378.95	\$1,234.00	(\$144.95)	-10.51%
9500	\$1,429.70	\$1,278.45	(\$151.25)	-10.58%
10000	\$1,480.45	\$1,322.90	(\$157.55)	-10.64%
10500	\$1,531.20	\$1,367.35	(\$163.85)	-10.70%
11000	\$1,581.95	\$1,411.80	(\$170.15)	-10.76%
11500	\$1,632.70	\$1,456.25	(\$176.45)	-10.81%
12000	\$1,683.45	\$1,500.70	(\$182.75)	-10.86%
12500	\$1,734.20	\$1,545.15	(\$189.05)	-10.90%
13000	\$1,784.95	\$1,589.60	(\$195.35)	-10.94%
13500	\$1,835.70	\$1,634.05	(\$201.65)	-10.98%
14000	\$1,886.45	\$1,678.50	(\$207.95)	-11.02%
14500	\$1,937.20	\$1,722.95	(\$214.25)	-11.06%
15000	\$1,987.95	\$1,767.40	(\$220.55)	-11.09%
15500	\$2,038.70	\$1,811.85	(\$226.85)	-11.13%
16000	\$2,089.45	\$1,856.30	(\$233.15)	-11.16%

\* Includes an average monthly PGA of 0.00¢/Ccf and excludes taxes and weatherization charge.

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	\$937.10	\$1,292.10	\$355.00	37.88%
3000	\$1,261.30	\$1,576.30	\$315.00	24.97%
5000	\$1,585.50	\$1,860.50	\$275.00	17.34%
7000	\$1,909.70	\$2,144.70	\$235.00	12.31%
10000	\$2,164.70	\$2,368.20	\$203.50	9.40%
15000	\$2,589.70	\$2,740.70	\$151.00	5.83%
20000	\$3,014.70	\$3,113.20	\$98.50	3.27%
25000	\$3,439.70	\$3,485.70	\$46.00	1.34%
30000	\$3,864.70	\$3,858.20	(\$6.50)	-0.17%
35000	\$4,289.70	\$4,230.70	(\$59.00)	-1.38%
40000	\$4,714.70	\$4,603.20	(\$111.50)	-2.36%
45000	\$5,139.70	\$4,975.70	(\$164.00)	-3.19%
50000	\$5,564.70	\$5,348.20	(\$216.50)	-3.89%
60000	\$6,414.70	\$6,093.20	(\$321.50)	-5.01%
70000	\$7,264.70	\$6,838.20	(\$426.50)	-5.87%
80000	\$8,114.70	\$7,583.20	(\$531.50)	-6.55%
90000	\$8,964.70	\$8,328.20	(\$636.50)	-7.10%
100000	\$9,814.70	\$9,073.20	(\$741.50)	-7.55%
110000	\$10,664.70	\$9,818.20	(\$846.50)	-7.94%
120000	\$11,514.70	\$10,563.20	(\$951.50)	-8.26%
130000	\$12,364.70	\$11,308.20	(\$1,056.50)	-8.54%
140000	\$13,214.70	\$12,053.20	(\$1,161.50)	-8.79%
150000	\$14,064.70	\$12,798.20	(\$1,266.50)	-9.00%
160000	\$14,914.70	\$13,543.20	(\$1,371.50)	-9.20%
170000	\$15,764.70	\$14,288.20	(\$1,476.50)	-9.37%
180000	\$16,614.70	\$15,033.20	(\$1,581.50)	-9.52%
190000	\$17,464.70	\$15,778.20	(\$1,686.50)	-9.66%
200000	\$18,314.70	\$16,523.20	(\$1,791.50)	-9.78%
210000	\$19,164.70	\$17,268.20	(\$1,896.50)	-9.90%
220000	\$20,014.70	\$18,013.20	(\$2,001.50)	-10.00%
230000	\$20,864.70	\$18,758.20	(\$2,106.50)	-10.10%
240000	\$21,714.70	\$19,503.20	(\$2,211.50)	-10.18%

\* Includes an average monthly PGA of 0.05¢/Ccf and excludes taxes and weatherization charge.

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	\$936.60	\$1,291.60	\$355.00	37.90%
3000	\$1,259.80	\$1,574.80	\$315.00	25.00%
5000	\$1,583.00	\$1,858.00	\$275.00	17.37%
7000	\$1,906.20	\$2,141.20	\$235.00	12.33%
10000	\$2,159.70	\$2,363.20	\$203.50	9.42%
15000	\$2,582.20	\$2,733.20	\$151.00	5.85%
20000	\$3,004.70	\$3,103.20	\$98.50	3.28%
25000	\$3,427.20	\$3,473.20	\$46.00	1.34%
30000	\$3,849.70	\$3,843.20	(\$6.50)	-0.17%
35000	\$4,272.20	\$4,213.20	(\$59.00)	-1.38%
40000	\$4,694.70	\$4,583.20	(\$111.50)	-2.38%
45000	\$5,117.20	\$4,953.20	(\$164.00)	-3.20%
50000	\$5,539.70	\$5,323.20	(\$216.50)	-3.91%
60000	\$6,384.70	\$6,063.20	(\$321.50)	-5.04%
70000	\$7,229.70	\$6,803.20	(\$426.50)	-5.90%
80000	\$8,074.70	\$7,543.20	(\$531.50)	-6.58%
90000	\$8,919.70	\$8,283.20	(\$636.50)	-7.14%
100000	\$9,764.70	\$9,023.20	(\$741.50)	-7.59%
110000	\$10,609.70	\$9,763.20	(\$846.50)	-7.98%
120000	\$11,454.70	\$10,503.20	(\$951.50)	-8.31%
130000	\$12,299.70	\$11,243.20	(\$1,056.50)	-8.59%
140000	\$13,144.70	\$11,983.20	(\$1,161.50)	-8.84%
150000	\$13,989.70	\$12,723.20	(\$1,266.50)	-9.05%
160000	\$14,834.70	\$13,463.20	(\$1,371.50)	-9.25%
170000	\$15,679.70	\$14,203.20	(\$1,476.50)	-9.42%
180000	\$16,524.70	\$14,943.20	(\$1,581.50)	-9.57%
190000	\$17,369.70	\$15,683.20	(\$1,686.50)	-9.71%
200000	\$18,214.70	\$16,423.20	(\$1,791.50)	-9.84%
210000	\$19,059.70	\$17,163.20	(\$1,896.50)	-9.95%
220000	\$19,904.70	\$17,903.20	(\$2,001.50)	-10.06%
230000	\$20,749.70	\$18,643.20	(\$2,106.50)	-10.15%
240000	\$21,594.70	\$19,383.20	(\$2,211.50)	-10.24%

\* Includes an average monthly PGA of 0.00¢/Ccf and excludes taxes and weatherization charge.

UNION ELECTRIC COMPANY  
PROPOSED ADJUSTMENTS TO NON-GAS REVENUE

	<u>Average # Customers</u>	<u>As Billed Use</u>	<u>Non Gas Rev</u>	<u>Normal <sup>(1)</sup> Use</u>	<u>Non Gas Rev</u>	<u>Difference Use</u>	<u>Non Gas Rev</u>
Residential	94,695	68,455,839	\$21,111,605	75,610,384	\$22,367,943	7,154,545	\$1,256,338
General Service	11,682	40,249,517	\$8,923,655	43,377,210	\$9,450,785	3,127,693	\$527,130
Interruptible Service	19	6,816,032	\$817,832	6,366,027	\$762,694	(450,005)	(\$55,138)
Transportation Service	83	36,495,031	\$3,819,830	37,407,121	\$3,923,941	912,090	\$104,111
Other			\$208,085		\$221,198		\$13,113
Total	106,479	152,016,419	\$34,881,007	162,760,742	\$36,726,561	10,744,323	\$1,845,554

(1) As adjusted for the effects of weather and customer class shifts.