

**LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supporting Calculations For The**

**Gas Supply Clause**

**2016-00428**

**For the Period**

**February 1, 2017 through April 30, 2017**

# Louisville Gas and Electric Company

P.S.C. Gas No. 10, Seventh Revision of Original Sheet No. 5  
Canceling P.S.C. Gas No. 10, Sixth Revision of Sheet No. 5

Standard Rate

RGS  
Residential Gas Service

## APPLICABLE

In all territory served.

## AVAILABILITY OF SERVICE

Applicable to firm natural gas sales service to residential customers for all domestic purposes in private residences, single occupancy apartments, and common-use areas of multi-purpose occupancy buildings when supplied at a single point of delivery and where distribution mains are adjacent to the premises to be served. Such customers also include tenants billed for natural gas consumption or use by other tenants at the same premises that are metered separately.

The term "residential" customers shall include customers using gas in a single-family residential dwelling or unit for space-heating, air conditioning, cooking, water-heating, incineration, refrigeration, laundry drying, lighting, incidental heating, personal vehicle fueling, or other domestic purposes, including the use of gas in standby electric generation in domestic applications. If an additional separate point of delivery is requested by a residential customer to provide gas for use in standby electric generation, customer shall be served under Standard Rate DGGS. Company shall not be obligated to install an additional service to a residential customer for the purpose of the customer installing equipment for either electric standby generation or personal vehicle fueling.

All existing and future installations of equipment for the purpose of providing gas for use in standby electric generation or personal vehicle fueling shall be reported by the Customer (or the Customer's Representative) to the Company in conjunction with the "Notice to Company of Changes in Customer's Load" set out in the Customer Responsibilities section of the Terms and Conditions of the Company's Tariff. Additionally, service for gas for use in standby electric generation and personal vehicle fueling shall be subject to the availability of adequate capacity on Company's gas system to perform such service without detriment to its other Customers.

## RATE

Basic Service Charge:	\$13.50 per delivery point per month
Plus a Charge Per 100 Cubic Feet:	
Distribution Cost Component	\$ 0.28693
Gas Supply Cost Component	<u>\$ 0.42950</u>
Total Gas Charge Per 100 Cubic Feet	\$ 0.71643

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The "Gas Supply Cost Component" as shown above is the cost per 100 cubic feet determined in accordance with the Gas Supply Clause set forth on Sheet No. 85 of this Tariff. The Performance-Based Ratemaking Mechanism, set forth on Sheet No. 87, is included as a component of the Gas Supply Clause as shown on Sheet No. 85 of this Tariff.

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**DATE OF ISSUE:** December 29, 2016

**DATE EFFECTIVE:** February 1, 2017

**ISSUED BY:** /s/ Robert M. Conroy, Vice President  
State Regulation and Rates  
Louisville, Kentucky

**Issued by Authority of an Order of the  
Public Service Commission in Case No.  
2016-00428 dated xxxx**

# Louisville Gas and Electric Company

P.S.C. Gas No. 10, Seventh Revision of Original Sheet No. 9  
Canceling P.S.C. Gas No. 10, Sixth Revision of Sheet No. 9

Standard Rate

VFD  
Volunteer Fire Department Service

## APPLICABLE

In all territory served.

## AVAILABILITY OF SERVICE

Available, in accordance with the provisions of KRS 278.172, to any volunteer fire department qualifying for aid under KRS 95A.262. Service under this rate schedule is at the option of the customer with the customer determining whether service will be provided under this schedule or any other schedule applicable to this load. If an additional separate point of delivery is requested by a volunteer fire department qualifying for aid under KRS 95A.262 to provide gas for use in standby electric generation, customer shall be served under Standard Rate DGGS.

## DEFINITION

To be eligible for this rate a volunteer fire department is defined as;

- 1) having at least 12 members and a chief,
- 2) having at least one fire fighting apparatus, and
- 3) half the members must be volunteers.

## RATE

Basic Service Charge: \$13.50 per delivery point per month

Plus a Charge Per 100 Cubic Feet:

Distribution Cost Component	\$ 0.28693
Gas Supply Cost Component	<u>\$ 0.42950</u>
Total Gas Charge Per 100 Cubic Feet	\$ 0.71643

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The "Gas Supply Cost Component" as shown above is the cost per 100 cubic feet determined in accordance with the Gas Supply Clause set forth on Sheet No. 85 of this Tariff. The Performance-Based Ratemaking Mechanism, set forth on Sheet No. 87, is included as a component of the Gas Supply Clause as shown on Sheet No. 85 of this Tariff.

## ADJUSTMENT CLAUSES

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Gas Line Tracker	Sheet No. 84
Demand Side Management Cost Recovery Mechanism	Sheet No. 86
Weather Normalization Adjustment	Sheet No. 88
Franchise Fee and Local Tax	Sheet No. 90
School Tax	Sheet No. 91

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# Louisville Gas and Electric Company

P.S.C. Gas No. 10, Seventh Revision of Original Sheet No. 10.1  
Canceling P.S.C. Gas No. 10, Sixth Revision of Sheet No. 10.1

Standard Rate

CGS  
Firm Commercial Gas Service

## RATE

Basic Service Charge:

If all of the customer's meters  
have a capacity < 5000 cf/hr: \$ 40.00 per delivery point per month

If any of the customer's meters  
have a capacity ≥ 5000 cf/hr: \$180.00 per delivery point per month

Plus a Charge Per 100 Cubic Feet:

Distribution Cost Component \$ 0.21504

Gas Supply Cost Component 0.42950

Total Charge Per 100 Cubic Feet \$ 0.64454

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### Off-Peak Pricing Provision:

The "Distribution Cost Component" applicable to monthly usage in excess of 100,000 cubic feet shall be reduced by \$0.05 per 100 cubic feet during the seven off-peak billing periods of April through October. The first 100,000 cubic feet per month during such period shall be billed at the rate set forth above.

## ADJUSTMENT CLAUSES

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Gas Line Tracker	Sheet No. 84
Demand Side Management Cost Recovery Mechanism	Sheet No. 86
Weather Normalization Adjustment	Sheet No. 88
Franchise Fee and Local Tax	Sheet No. 90
School Tax	Sheet No. 91

## MINIMUM CHARGE

The Basic Service Charge shall be the minimum charge.

## DUE DATE OF BILL

Customer's payment will be due within sixteen (16) business days (no less than twenty-two (22) calendar days) from the date of the bill.

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# Louisville Gas and Electric Company

P.S.C. Gas No. 10, Seventh Revision of Original Sheet No. 15.1  
Canceling P.S.C. Gas No. 10, Sixth Revision of Sheet No. 15.1

Standard Rate

IGS  
Firm Industrial Gas Service

## RATE

### Basic Service Charge:

If all of the customer's meters  
have a capacity < 5000 cf/hr: \$ 40.00 per delivery point per month

If any of the customer's meters  
have a capacity ≥ 5000 cf/hr: \$180.00 per delivery point per month

### Plus a Charge Per 100 Cubic Feet:

Distribution Cost Component \$ 0.22779

Gas Supply Cost Component \$ 0.42950

Total Charge Per 100 Cubic Feet \$ 0.65729

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### Off-Peak Pricing Provision:

The "Distribution Cost Component" applicable to monthly usage in excess of 100,000 cubic feet shall be reduced by \$0.05 per 100 cubic feet during the seven off-peak billing periods of April through October. The first 100,000 cubic feet per month during such period shall be billed at the rate set forth above.

## ADJUSTMENT CLAUSES

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Gas Line Tracker	Sheet No. 84
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School Tax	Sheet No. 91

## MINIMUM CHARGE

The Basic Service Charge shall be the minimum charge.

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# Louisville Gas and Electric Company

P.S.C. Gas No. 10, Seventh Revision of Original Sheet No. 20.1  
Canceling P.S.C. Gas No. 10, Sixth Revision of Sheet No. 20.1

Standard Rate

AAGS  
As-Available Gas Service

## CONTRACT TERM (continued)

November 1 and be effective through the following October 31, and year to year thereafter, unless terminated by either Company or Customer upon prior written notice on or before the April 30 preceding the October 31 termination date.

Any customer served under Rate CGS or Rate IGS shall provide notice to Company by April 30 of its request for service to be effective commencing on the following November 1.

## RATE

Basic Service Charge:  
\$400.00 per delivery point per month

Plus a Charge Per Mcf	
Distribution Cost Component	\$ 0.7009
Gas Supply Cost Component	<u>\$ 4.2950</u>
Total Charge Per Mcf	\$ 4.9959

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## ADJUSTMENT CLAUSES

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Gas Line Tracker	Sheet No. 84
Demand Side Management Cost Recovery Mechanism	Sheet No. 86
Franchise Fee and Local Tax	Sheet No. 90
School Tax	Sheet No. 91

## PENALTY FOR FAILURE TO INTERRUPT

Company shall have the right to interrupt sales service under this rate schedule upon eighteen (18) hours' prior notice. Provision of oral notice by telephone to Customer shall be deemed proper notice of interruption of service under this rate schedule.

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# Louisville Gas and Electric Company

P.S.C. Gas No. 10, Seventh Revision of Original Sheet No. 30.2  
Canceling P.S.C. Gas No. 10, Sixth Revision of Sheet No. 30.2

Standard Rate

FT  
Firm Transportation Service (Transportation Only)

RATE (continued)

collected gas costs as reflected in the GCAA, GCBA, and PBRRC components of the Gas Supply Clause ("GSC") applicable to gas sold during those periods when the transferring customer was a sales customer. The Gas Cost True-Up Charge amount shall be revised with each of Company's quarterly Gas Supply Clause filings.

For customers electing service under Rate FT effective November 1, 2015,  
the Gas Cost True-Up Charge shall be:

\$0.0131 per Mcf for Bills Rendered On and After February 1, 2017

I/T

For customers electing service under Rate FT effective November 1, 2016,  
the Gas Cost True-Up Charge shall be:

\$0.0806 per Mcf for Bills Rendered On and After February 1, 2017

I/T

**Minimum Daily Threshold Requirement and Charge:** When Customer's daily usage falls below the Minimum Daily Threshold Requirement, Customer will be charged a Minimum Daily Threshold Charge equal to the difference between the Minimum Daily Threshold Requirement and the Customer's actual consumption in Mcf for that day multiplied by the Distribution Charge hereunder. The Minimum Daily Threshold Requirement is equal to the minimum daily volume of 50 Mcf. Such Minimum Daily Threshold Charge shall be accumulated for each day of the applicable month and billed during that month in accordance with the following formula:

Minimum Daily Threshold Charge =

(Minimum Daily Threshold minus Customer Usage on Given Day) times the Distribution Charge

Such daily amount shall be accumulated for each day of the month and the total will be applied to Customer's bill.

Payment of the Minimum Daily Threshold Charge is not a remedy for Customer's failure to meet the Minimum Daily Threshold Requirement for service under Rate FT. In the event that Customer does not meet the Minimum Daily Threshold Requirement for one-hundred twenty (120) days during a given Contract Year, service to Customer under Rate FT may be discontinued by Company. Customer will receive thirty (30) days prior written notice that Customer will be removed from Rate FT and returned to firm sales service under either Rate CGS or IGS as applicable.

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# Louisville Gas and Electric Company

P.S.C. Gas No. 10, Seventh Revision of Original Sheet No. 35.1  
Canceling P.S.C. Gas No. 10, Sixth Revision of Sheet No. 35.1

Standard Rate

**DGGS**  
**Distributed Generation Gas Service**

## RATE

In addition to any other charges set forth herein, the following charges shall apply.

### Basic Service Charge:

If all of the customer's meters  
have a capacity < 5000 cf/hr: \$ 40.00 per delivery point per month

If any of the customer's meters  
have a capacity ≥ 5000 cf/hr: \$180.00 per delivery point per month

Demand Charge per 100 cubic feet of Monthly Billing Demand: \$1.1263

### Plus a Charge Per 100 Cubic Feet:

Distribution Cost Component \$0.03329

Gas Supply Cost Component 0.42950

Total Charge Per 100 Cubic Feet \$0.46279

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The "Gas Supply Cost Component" as shown above is the cost per 100 cubic feet determined in accordance with the Gas Supply Clause set forth on Sheet No. 85 of this Tariff. The Performance-Based Ratemaking Mechanism, set forth on Sheet No. 87, is included as a component of the Gas Supply Clause as shown on Sheet No. 85 of this Tariff.

The total monthly minimum bill shall be the sum of the minimum monthly Demand Charge and the Monthly Basic Service Charge.

In no case shall Company be obligated to deliver greater volumes hereunder than those specified in the written contract between Customer and Company. Payment of any and all charges hereunder shall not be considered an exclusive remedy for takes in excess of the maximum daily quantity ("MDQ"), nor shall the payment of such charges be considered a substitute for any other remedy (including, but not limited to, physical discontinuance or suspension of service hereunder) available to Company.

## ADJUSTMENT CLAUSES

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Gas Line Tracker	Sheet No. 84
Franchise Fee and Local Tax	Sheet No. 90
School Tax	Sheet No. 91

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# Louisville Gas and Electric Company

P.S.C. Gas No. 10, Seventh Revision of Original Sheet No. 51.1  
Canceling P.S.C. Gas No. 10, Sixth Revision of Sheet No. 51.1

Standard Rate Rider

TS-2

Gas Transportation Service/Firm Balancing Service

## CHARACTER OF SERVICE

Transportation service under this rider shall be considered firm from the Receipt Point at Company's interconnection with its Pipeline Transporter ("Receipt Point") to the Delivery Point at the Customer's place of utilization ("Delivery Point"), subject to paragraph 6 of the Special Terms and Conditions.

Due to the physical configuration of Company's system, and in order to maintain system integrity and reliability, unless otherwise permitted or directed by Company in its sole discretion, the Pipeline Transporter shall be Texas Gas Transmission, LLC.

Company will provide service to meet imbalances on a firm basis. For purposes used herein, "Imbalances" are defined as the difference between the volume of gas delivered by the Customer to the Receipt Point and the volume of gas taken by Customer at the Delivery Point.

Customers served under this rider must designate a third-party TS-2 Pool Manager and become a member of a TS-2 Pool pursuant to Rider PS-TS-2.

Company shall issue an Action Alert as set forth in Rider PS-TS-2 when, in Company's sole discretion, such Action Alert is required to manage loads served under Rider TS-2. It is the responsibility of the TS-2 Pool Manager, not Company, to convey Action Alerts to Customers in the TS-2 Pool.

Any imbalances (over- or under-deliveries) incurred by TS-2 Pool Manager on behalf of Customer shall be resolved through the application of the cash-out mechanism incorporated in Rider PS-TS-2.

## RATE

In addition to any and all charges billed directly to Company by other parties related to the transportation of customer-owned gas, the following charges shall apply:

Administrative Charge: \$550.00 per Delivery Point per month

	CGS	IGS	AAGS
Distribution Charge Per Mcf	\$2.1504	\$2.2779	\$0.7009
Pipeline Supplier's Demand Component	0.8496	0.8496	0.8496
Total	\$3.0000	\$3.1275	\$1.5505

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# Louisville Gas and Electric Company

P.S.C. Gas No. 10, Seventh Revision of Original Sheet No. 51.2  
Canceling P.S.C. Gas No. 10, Sixth Revision of Sheet No. 51.2

Standard Rate Rider

TS-2

Gas Transportation Service/Firm Balancing Service

RATE (continued)

The "**Distribution Charge**" applicable to Rate CGS and IGS monthly quantities in excess of 100 Mcf shall be reduced by \$0.50 per Mcf during the seven off-peak billing periods of April through October. The first 100 Mcf per month during such period shall be billed at the rate set forth above.

**Pipeline Supplier's Demand Component:** Average demand cost per Mcf of all gas, including transported gas, delivered to Company by its pipeline supplier as determined from Company's Gas Supply Clause.

**Gas Cost True-Up Charge:** The Gas Cost True-Up Charge is applicable only to a former sales Customer that has elected transportation service hereunder and not previously served under Rate FT. Such Customer shall pay this charge for the first eighteen billing periods that Customer is served under Rider TS-2. The charge (or credit) per Mcf shall be applied to all volumes delivered by Company pursuant to Rider TS-2 in order to recover from (or refund to) transferring sales customers any under- or over-collected gas costs as reflected in the GCAA, GCBA, and PBRRC components of the Gas Supply Clause ("GSC") applicable to gas sold during those periods when the transferring customer was a sales customer. The Gas Cost True-Up Charge amount shall be revised with each of Company's quarterly Gas Supply Clause filings.

For customers electing service under Rider TS-2 effective November 1, 2015,  
the Gas Cost True-Up Charge shall be:

\$0.0131 per Mcf for Bills Rendered On and After February 1, 2017

I/T

For customers electing service under Rider TS-2 effective November 1, 2016,  
the Gas Cost True-Up Charge shall be:

\$0.0806 per Mcf for Bills Rendered On and After February 1, 2017

I/T

**Minimum Annual Threshold Requirement and Charge:** When Customer's annual usage falls below the Minimum Annual Threshold Requirement, Customer will be charged a Minimum Annual Threshold Charge equal to the difference between the Minimum Annual Threshold Requirement of 15,000 Mcf and the Customer's actual consumption in Mcf during each Contract Year which difference shall be multiplied by the peak period Distribution Charge of the applicable sales rate schedule. Such Minimum Annual Threshold Charge shall be billed during the month following the close of the Contract Year in accordance with the following formula

Minimum Annual Threshold Charge =

(Minimum Annual Threshold minus Customer's Annual Usage) times the Peak Period Distribution Charge

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# Louisville Gas and Electric Company

P.S.C. Gas No. 10, Seventh Revision of Original Sheet No. 85  
Canceling P.S.C. Gas No. 10, Sixth Revision of Sheet No. 85

Adjustment Clause

GSC  
Gas Supply Clause

## APPLICABLE TO

All gas sold.

## GAS SUPPLY COST COMPONENT (GSCC)

Gas Supply Cost	\$0.42144	I
Gas Cost Actual Adjustment (GCAA)	0.00561	I
Gas Cost Balance Adjustment (GCBA)	(0.00131)	R
Refund Factors (RF) continuing for twelve months from the effective date of each or until Company has discharged its refund obligation thereunder:		
None		
Performance-Based Rate Recovery Component (PBRRRC)	<u>0.00376</u>	I
Total Gas Supply Cost Component Per 100 Cubic Feet (GSCC)	\$ <u>0.42950</u>	I

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**LOUISVILLE GAS AND ELECTRIC COMPANY**

Derivation of Gas Supply Component Applicable to  
Service Rendered On and After February 1, 2017

2016-00428

Gas Supply Cost - See Exhibit A for Detail			
Line No.	Description	Unit	Amount
1	Total Expected Gas Supply Cost	\$	54,292,336
2	Total Expected Customer Deliveries: February 1, 2017 through April 30, 2017	Mcf	12,882,565
3	Gas Supply Cost Per Mcf	\$/Mcf	4.2144
4	Gas Supply Cost Per 100 Cubic Feet	¢/Ccf	42.144

Gas Cost Actual Adjustment (GCAA) - See Exhibit B for Detail			
Description		Unit	Amount
5	Current Quarter Actual Adjustment Eff. February 1, 2017 2016-00225	¢/Ccf	(0.281)
6	Previous Quarter Actual Adjustment Eff. November 1, 2016 2016-00137	¢/Ccf	0.395
7	2nd Previous Qrt. Actual Adjustment Eff. August 1, 2016 2015-00429	¢/Ccf	0.665
8	3rd Previous Qrt. Actual Adjustment Eff. May 1, 2016 2015-00329	¢/Ccf	(0.218)
9	Total Gas Cost Actual Adjustment (GCAA)	¢/Ccf	0.561

Gas Cost Balance Adjustment (GCBA) - See Exhibit C for Detail			
Description		Unit	Amount
10	Balance Adjustment Amount	\$	(168,163)
11	Total Expected Customer Deliveries: February 1, 2017 through April 30, 2017	Mcf	12,882,565
12	Gas Cost Balance Adjustment (GCBA) Per Mcf	\$/Mcf	(0.0131)
13	Gas Cost Balance Adjustment (GCBA) Per 100 Cubic Feet	¢/Ccf	(0.131)

Refund Factors (RF) - See Exhibit D for Detail			
Description		Unit	Amount
14	Refund Factor Effective:		
15	Current Quarter Refund Factor Eff. February 1, 2017	¢/Ccf	0.000
16	1st Previous Quarter Refund Factor Eff. November 1, 2016	¢/Ccf	0.000
17	2nd Previous Quarter Refund Factor Eff. August 1, 2016	¢/Ccf	0.000
18	3rd Previous Quarter Refund Factor Eff. May 1, 2016	¢/Ccf	0.000
19	Total Refund Factors Per 100 Cubic Feet	¢/Ccf	0.000

Performance-Based Rate Recovery Component (PBRR) - See Exhibit E for Detail			
Description		Unit	Amount
20	Performance-Based Rate Recovery Component (PBRR)	¢/Ccf	0.376
21	Total of PBRR Factors Per 100 Cubic Feet	¢/Ccf	0.376

Gas Supply Cost Component (GSCC) Effective February 1, 2017			
Description		Unit	Amount
22	Gas Supply Cost	¢/Ccf	42.144
23	Gas Cost Actual Adjustment (GCAA)	¢/Ccf	0.561
24	Gas Cost Balance Adjustment (GCBA)	¢/Ccf	(0.131)
25	Refund Factors (RF)	¢/Ccf	0.000
26	Performance-Based Rate Recovery Component (PBRR)	¢/Ccf	0.376
27	Total Gas Supply Cost Component (GSCC)	¢/Ccf	42.950

LOUISVILLE GAS AND ELECTRIC COMPANY  
Calculation of Gas Supply Costs  
For the Three-Month Period From February 1, 2017 thru April 30, 2017

Line No.	MMBtu	Feb-2017	Mar-2017	Apr-2017	Total
1	Expected Gas Supply Transported Under Texas' No-Notice Service (South-to-North)	2,392,958	2,265,102	2,375,707	7,033,767
2	Expected Gas Supply Transported Under Texas' Rate FT (North-to-South)	0	0	107,100	107,100
3	Expected Gas Supply Transported Under Tenn.'s Rate FT-A (Zone 0-2)	560,000	590,600	0	1,150,600
4	Total MMBtu Purchased	2,952,958	2,855,702	2,482,807	8,291,467
5	Plus: Withdrawals from Texas Gas' NNS Storage Service	0	90,900	0	90,900
6	Less: Injections into Texas Gas' NNS Storage Service	0	0	566,100	566,100
7	Expected Monthly Deliveries from TGT/TGPL to LG&E (excluding transportation volumes under LG&E Rider TS-2)	2,952,958	2,946,602	1,916,707	7,816,267
<b>Mcf</b>					
8	Total Purchases in Mcf	2,880,935	2,786,051	2,422,251	
9	Plus: Withdrawals from Texas Gas' NNS Storage Service	0	88,683	0	
10	Less: Injections Texas Gas' NNS Storage Service	0	0	552,293	
11	Expected Monthly Deliveries from TGT/TGPL to LG&E (excluding transportation volumes under LG&E Rider TS-2)	2,880,935	2,874,734	1,869,958	
12	Plus: Customer Transportation Volumes under Rider TS-2	25,625	41,427	64,808	
13	Total Expected Monthly Deliveries from TGT/TGPL to LG&E (Line 16 + Line 17)	2,906,560	2,916,161	1,934,766	
14	Less: Purchases for Depts. Other Than Gas Dept.	1,769	2,226	1,039	
15	Less: Purchases Injected into LG&E's Underground Storage	0	0	0	
16	Mcf Purchases Expensed during Month (Line 16 - Line 19 - Line 20)	2,879,167	2,872,509	1,868,920	7,620,595
17	LG&E's Storage Inventory - Beginning of Month	8,690,001	5,570,001	3,550,001	
18	Plus: Storage Injections into LG&E's Underground Storage (Line 20)	0	0	0	
19	LG&E's Storage Inventory - Including Injections	8,690,001	5,570,001	3,550,001	
20	Less: Storage Withdrawals from LG&E's Underground Storage	3,082,101	1,987,299	772,585	5,841,985
21	Less: Storage Losses	37,899	32,701	27,415	98,015
22	LG&E's Storage Inventory - End of Month	5,570,001	3,550,001	2,750,001	
23	Mcf of Gas Supply Expensed during Month (Line 16 + Line 20 + Line 21)	5,999,167	4,892,509	2,668,920	13,560,595
<b>Cost</b>					
24	Total Demand Cost - Including Transportation (Line 13 x Line 44)	\$2,401,691	\$2,409,624	\$1,598,697	
25	Less: Demand Cost Recovered thru Rate TS-2 (Line 12 x Line 44)	21,174	34,231	53,551	
26	Demand Cost - Net of Demand Costs Recovered thru LG&E Rider TS-2	\$2,380,517	\$2,375,393	\$1,545,146	
27	Commodity Costs - Gas Supply Under NNS (South-to-North) (Line 1 x Line 45)	8,635,946	8,088,000	8,204,029	
28	Commodity Costs - Gas Supply Under Rate FT (North-to-South) (Line 2 x Line 48)	0	0	377,035	
29	Commodity Costs - Gas Supply Under Rate FT-A Zone 0 (Line 3 x Line 52)	2,022,944	2,110,686	0	
30	Total Purchased Gas Cost	\$13,039,407	\$12,574,079	\$10,126,210	\$35,739,696
31	Plus: Withdrawals from NNS Storage (Line 5 x Line 45)	0	324,577	0	324,577
32	Less: Purchases Injected into NNS Storage (Line 6 x Line 45)	0	0	1,954,913	1,954,913
33	Total Cost of Gas Delivered to LG&E	\$13,039,407	\$12,898,656	\$8,171,297	\$34,109,360
34	Less: Purchases for Depts. Other Than Gas Dept. (Line 14 x Line 53)	8,004	9,986	4,538	22,528
35	Less: Purchases Injected into LG&E's Storage (Line 15 x Line 53)	0	0	0	0
36	Pipeline Deliveries Expensed During Month	\$13,031,403	\$12,888,670	\$8,166,759	\$34,086,832
37	LG&E's Storage Inventory - Beginning of Month	\$29,559,907	\$18,946,915	\$12,075,683	
38	Plus: LG&E Storage Injections (Line 35 above)	0	0	0	
39	LG&E's Storage Inventory - Including Injections	\$29,559,907	\$18,946,915	\$12,075,683	
40	Less: LG&E Storage Withdrawals (Line 20 x Line 54)	10,484,075	6,759,996	2,628,025	\$19,872,096
41	Less: LG&E Storage Losses (Line 21 x Line 54)	128,917	111,236	93,255	333,408
42	LG&E's Storage Inventory - End of Month	\$18,946,915	\$12,075,683	\$9,354,403	
43	Gas Supply Expenses (Line 36 + Line 40 + Line 41)	\$23,644,395	\$19,759,902	\$10,888,039	\$54,292,336
<b>Unit Cost</b>					
44	12-Month Average Demand Cost - per Mcf (see Page 2)	\$0.8263	\$0.8263	\$0.8263	
45	Commodity Cost (per MMBtu) under Texas Gas's No-Notice Service (South-to-North)	\$3.6089	\$3.5707	\$3.4533	
46	Commodity Cost (per MMBtu) under Texas Gas's Rate FT (North-to-South)	\$3.6759	\$3.6377	\$3.5204	
47	Commodity Cost (per MMBtu) under Tenn. Gas's Rate FT-A (Zone 0)	\$3.6124	\$3.5738	\$3.4550	
48	Average Cost of Deliveries (Line 33 / Line 11)	\$4.5261	\$4.4869	\$4.3698	
49	Average Cost of Inventory - Including Injections (Line 39 / Line 19)	\$3.4016	\$3.4016	\$3.4016	
<b>Gas Supply Cost</b>					
50	Total Expected Mcf Deliveries (Sales) to Customers February 1, 2017 through April 30, 2017				12,882,565 Mcf
51	Current Gas Supply Cost (Line 43 / Line 50)				\$4.2144 / Mcf

Annual Demand Costs

Line No.	Pipeline and Rate	Monthly Demand Charge	MMBtu	No. of Months	Annual Demand Costs
1	Texas Gas No-Notice Service (Rate NNS)	\$12.7104	119,913	12	\$18,289,706
2	Texas Gas Firm Transportation (Rate FT)	\$4.1793	60,000	12	3,009,096
3	Tenn. Gas Firm Transportation (Rate FT-A)	\$7.6252	20,000	12	1,830,048
4	Long-Term Firm Contracts with Suppliers (Annualized)				4,889,664
5		<b>Total Annual Demand Costs</b>			<b>\$28,018,514</b>

Average Demand Cost per Mcf

6	Total Annual Demand Costs (Line 7)				\$28,018,514
7	Expected Annual Deliveries from Pipeline Transporters in Mcf (incl Rider TS-2)				33,906,748
8		<b>Average Demand Cost per Mcf (Line 8 / Line 9)</b>			<b>\$0.8263</b>

Pipeline Supplier's Demand Component Applicable to Billings  
Under LG&E's Gas Transportation Service/Standby - Rider TS-2

9	Average Demand Cost (Line 10)				\$0.8263
10	Refund Factor for Demand Portion of Texas Gas Refund (see Exhibit D-1)				0.0000
11	Performance Based Rate Recovery Demand Component (see Exhibit E-1)				0.0233
12		<b>PSDC Charge per Mcf</b>			<b>\$0.8496</b>

Daily Demand Charge Component of Utilization Charge  
For Daily Imbalance under Rate FT and Rider PS-FT

13	Total Annual Demand Costs (Line 7)				\$28,018,514
14	Design Day Requirements in Mcf (determined in last rate case)				478,956
15		<b>UCDI Charge (Line 15/Line 16/365 days)</b>			<b>\$0.1603</b>

LOUISVILLE GAS AND ELECTRIC COMPANY

Gas Supply Clause: 2016-00428

Gas Supply Cost Effective February 1, 2017

LG&E is served by Texas Gas Transmission, LLC (“TGT”) pursuant to the terms of the transportation agreements under Rate Schedules NNS-4 and FT-4. LG&E is served by Tennessee Gas Pipeline Company, LLC (“TGPL”) pursuant to the terms of a transportation agreement under Rate Schedule FT-A-2. Both TGT and TGPL are subject to regulation by the Federal Energy Regulatory Commission (“FERC”).

**Texas Gas Transmission, LLC**

Rate Schedule NNS (No-Notice Service: South-to-North)

On June 24, 2015, TGT submitted tariff sheets to the FERC in Docket No. RP15-1077 to reflect the expiration via abandonment of the operating lease with Gulf South Pipeline Company which required the removal of references to the incremental recourse rate applicable to the Gulf South lease. The associated revised tariff sheets were dated to be effective April 1, 2015. TGT did not otherwise modify its existing rates or otherwise affect the rights or duties of customers.

Effective October 1, 2016, the FERC ACA Unit Charge is \$0.0013/MMBtu.

Attached hereto as Exhibit A-1(a), Page 1, is the tariff sheet for No-Notice Service under Rate NNS-4 which will be applicable on and after February 1, 2017. The tariffed rates are as follows: (a) a daily demand charge of \$0.4190/MMBtu, and (b) a commodity charge of \$0.0627/MMBtu irrespective of the zone of receipt.

The rates applicable to all three contracts for service under Rate Schedule NNS are a monthly demand charge of \$12.7104/MMBtu and a volumetric throughput charge (“commodity charge”) of \$0.0627/MMBtu irrespective of the zone of receipt.

Rate Schedule FT (Firm Transportation: Annual: North-to-South)

On June 24, 2015, TGT submitted tariff sheets to the FERC in Docket No. RP15-1077 to reflect the expiration via abandonment of the operating lease with Gulf South Pipeline Company which required the removal of references to the incremental recourse rate applicable to the Gulf South lease. The associated revised tariff sheets were dated to be effective April 1, 2015. TGT did not otherwise modify its existing rates or otherwise affect the rights or duties of customers

Effective October 1, 2016, the FERC ACA Unit Charge is \$0.0013/MMBtu.

Attached hereto as Exhibit A-1(a), Pages 2 and 3, are the tariff sheets for transportation service under Rate FT-4 which will be applicable on and after February 1, 2017. Page 2 contains the tariff sheet which sets forth the TGT daily demand charges. Page 3 contains the tariff sheet which sets

forth the commodity charges. The tariffed rates are as follows: (a) a daily demand charge of \$0.1374/MMBtu, and (b) a commodity charge applicable to transportation from Zone 4 to Zone 4 of \$0.0373/MMBtu.

The rates applicable to service under this agreement result in a monthly demand charge of \$4.1793/MMBtu and a volumetric throughput charge (“commodity charge”) of \$0.0373/MMBtu applicable to transportation from Zone 4 to 4.

### **Tennessee Gas Pipeline Company, LLC**

#### Firm Transportation Service (FT-A-2: South-to-North)

On September 27, 2016, TGPL submitted tariff sheets in FERC Docket No. RP16-1251 in order to place into effect on November 1, 2016, revised Pipeline Safety and Green House Gas (“PS&GHG”) Surcharges as provided for in its settlements approved by FERC in Docket Nos. RP11-1566 and RP15-990.

Effective October 1, 2016, the FERC ACA Unit Charge is \$0.0013/MMBtu.

Attached hereto as Exhibit A-1 (a), Pages 4, and 5, are the tariff sheet for transportation service under Rate FT-A, which will be applicable on and after February 1, 2017. Page 4 contains the tariff sheet which sets forth the monthly demand charges and Page 5 contains the tariff sheet which sets forth the commodity charges. The tariffed rates are as follows for deliveries from Zone 0 to Zone 2: (a) a monthly demand charge of \$15.5968/MMBtu, and (b) a commodity charge of \$0.0346/MMBtu.

LG&E has negotiated rate agreements that result in a monthly demand charge of \$7.6252/MMBtu and an annual volumetric throughput charge (“commodity charge”) of \$0.0346/MMBtu for deliveries from Zone 0 to Zone 2.

### **Gas Supply Costs**

The New York Mercantile Exchange (“NYMEX”) natural gas futures prices as of December 28, 2016, are \$3.898/MMBtu for February, \$3.825/MMBtu for March, and \$3.648/MMBtu for April.

The average of the NYMEX close and the six preceding trading days has been used as a general price indicator.

The wholesale natural gas market is not price-regulated and is subject to the forces of supply and demand, as well as psychological factors that can affect the market. Among the forces that are presumably affecting the price of natural gas are:

- National gas storage inventories are 6% lower compared to the same period one year ago;<sup>1</sup>

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<sup>1</sup> The weekly gas storage survey issued by the Energy Information Administration (“EIA”) for the week ending December 16, 2016, indicated that storage inventory levels were 6% lower than last year’s levels. Storage inventories across the nation are 226 Bcf (3,597 Bcf – 3,823 Bcf), or 6%, lower this year than the

- Economic recovery could boost the demand for natural gas in the industrial sector;
- Fuel switching from coal to gas could boost natural gas prices by increasing demand;
- New domestic supplies from unconventional shale gas plays are impacting the marketplace;
- New pipeline infrastructure is being developed to deliver natural gas supplies to the marketplace;
- Imports or exports of LNG could impact the supply and demand for natural gas;
- Gas-fired electric generation loads could boost weather-driven demand for natural gas; and
- Gas supply disruptions could boost prices.

During the three-month period under review, February 1, 2017, through April 30, 2017, LG&E estimates that its total purchases will be 7,816,267 MMBtu. LG&E expects that 6,558,567 MMBtu will be met with deliveries from TGT's pipeline service under Rate NNS (7,033,767 MMBtu in pipeline south-to-north deliveries plus 90,900 in storage withdrawals less 566,100 in storage injections); 107,100 MMBtu from north-to-south deliveries under TGT's pipeline service under Rate FT; 1,150,600 MMBtu will be met from deliveries under TGPL's pipeline service under Rate FT-A from Zone 0.

The average commodity cost of gas purchased from gas suppliers by LG&E and delivered to TGT under the south-to-north NNS service is expected to be \$3.5320 per MMBtu in February 2017, \$3.4940 per MMBtu in March 2017, and \$3.3770 per MMBtu in April 2017. The average commodity cost of gas purchased from gas suppliers by LG&E and delivered to TGT under the north-to-south FT service is expected to be \$3.6280 per MMBtu in February 2017, \$3.5900 per MMBtu in March 2017, and \$3.4730 per MMBtu in April 2017. The average commodity cost of gas purchased from gas suppliers by LG&E and delivered to TGPL under Rate FT-A from its Zone 0 is expected to be \$3.5220 per MMBtu in February 2017, \$3.4840 per MMBtu in March 2017, and \$3.3670 per MMBtu in April 2017.

Set forth below are the commodity costs as delivered to LG&E after giving effect to TGT's and TGPL's commodity charges for transporting the gas under Rates NNS, FT and FT-A and the applicable retention percentages.

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same period one year ago. Last year at this time, 3,823 Bcf was held in storage, while this year 3,597 Bcf is held in storage. Storage inventories across the nation are 78 Bcf (3,597 Bcf – 3,519 Bcf), or 2%, higher this year than the five-year average. On average for the last five years at this time, 3,519 Bcf was held in storage. Higher storage inventory levels and the lack of demand for natural gas tend to drive natural gas prices lower. Conversely, lower storage levels, interruptions of gas supply, or increases in demand for natural gas tend to cause increases in the expected price of natural gas.

RATE NNS  
SYSTEM SUPPLY SOUTH-TO-NORTH PURCHASE PRICE PER MMBTU  
UNDER TEXAS GAS'S NO-NOTICE SERVICE RATE

	<u>ESTIMATED PRICE AS DELIVERED TO TEXAS GAS</u>	<u>RATE NNS RETENTION (TO ZONE 4)</u>	<u>TRANSPORT CHARGE</u>	<u>TOTAL ESTIMATED DELIVERED PRICE</u>
February 2017	\$3.5320	0.40%	\$0.0627	\$3.6089
March 2017	\$3.4940	0.40%	\$0.0627	\$3.5707
April 2017	\$3.3770	0.40%	\$0.0627	\$3.4533

RATE FT  
SYSTEM SUPPLY NORTH-TO-SOUTH PURCHASE PRICE PER MMBTU  
UNDER TEXAS GAS'S FIRM TRANSPORTATION SERVICE RATE

	<u>ESTIMATED PRICE AS DELIVERED TO TEXAS GAS</u>	<u>RETENTION (ZONE 4 TO 4)</u>	<u>RATE FT TRANSPORT CHARGE</u>	<u>TOTAL ESTIMATED DELIVERED PRICE</u>
February 2017	\$3.6280	0.29%	\$0.0373	\$3.6759
March 2017	\$3.5900	0.29%	\$0.0373	\$3.6377
April 2017	\$3.4730	0.29%	\$0.0373	\$3.5204

RATE FT-A-2  
SYSTEM SUPPLY SOUTH-TO-NORTH PURCHASE PRICE PER MMBTU  
UNDER TENNESSEE GAS'S FIRM  
TRANSPORTATION SERVICE RATE

	<u>ESTIMATED PRICE AS DELIVERED TO TENN. GAS</u>	<u>RETENTION (TO ZONE 2)</u>	<u>RATE FT-A-2 TRANSPORT CHARGE</u>	<u>TOTAL ESTIMATED DELIVERED PRICE</u>
February 2017	\$3.5220	1.56%	\$0.0346	\$3.6124
March 2017	\$3.4840	1.56%	\$0.0346	\$3.5738
April 2017	\$3.3670	1.56%	\$0.0346	\$3.4550

The annual demand billings covering the 12 months from February 1, 2017 through January 31, 2018, for the firm contracts with natural gas suppliers are currently expected to be \$4,889,664.

**Rate FT and Rider PS-FT**

The demand-related supply costs applicable to the Utilization Charge for Daily Imbalances under Rate FT and Rider PS-FT applicable during the three-month period of February 1, 2017, through April 30, 2017, are set forth on Exhibit A, Page 2.

Any revenue collected from the application of these charges will flow directly into the Gas Supply Cost Actual Adjustment (“GCAA”) in future Gas Supply Clause filings. Therefore, the revenue collected through application of these charges will reduce the total Gas Supply Cost Component (“GSCC”) charged to LG&E’s sales customers.





Texas Gas Transmission, LLC  
FERC NGA Gas Tariff  
Fourth Revised Volume No. 1  
Effective On: April 1, 2015

Section 4.1  
Currently Effective Rates - FT  
Version 7.0.0

Currently Effective Maximum Daily Demand Rates (\$ per MMBtu)  
For Service Under Rate Schedule FT

Currently Effective Rates [1]	
SL-SL	0.0794
SL-1	0.1552
SL-2	0.2120
SL-3	0.2494
SL-4	0.3142
1-1	0.1252
1-2	0.1820
1-3	0.2194
1-4	0.2842
2-2	0.1332
2-3	0.1705
2-4	0.2334
3-3	0.1181
3-4	0.1810
4-4	0.1374

Minimum Rates: Demand \$-0-

Backhaul rates equal forward haul rates from Zone SL to zone of delivery; provided, however, that intra-zone rates shall apply to intra-zone transportation, whether such intra-zone transportation is forward haul or backhaul.

[1] Currently Effective Rates are equal to the Base Tariff Rates.

Notes:

- The maximum reservation charge component of the maximum firm volumetric capacity release rate shall be the applicable maximum daily demand rate herein pursuant to Section 6.16 of the General Terms and Conditions.

Texas Gas Transmission, LLC  
FERC NGA Gas Tariff  
Fourth Revised Volume No. 1  
Effective On: April 1, 2015

Section 4.1  
Currently Effective Rates - FT  
Version 7.0.0

Currently Effective Maximum Commodity Rates (\$ per MMBtu)  
For Service Under Rate Schedule FT

	Base Tariff Rates
SL-SL	0.0104
SL-1	0.0355
SL-2	0.0399
SL-3	0.0445
SL-4	0.0528
1-1	0.0337
1-2	0.0385
1-3	0.0422
1-4	0.0508
2-2	0.0323
2-3	0.0360
2-4	0.0446
3-3	0.0312
3-4	0.0398
4-4	0.0360

The above rates shall be increased to include the ACA unit charge pursuant to Section 6.9[7] of the General Terms and Conditions.

Minimum Rates: Commodity minimum base rates are presented in Section 4.12.

Backhaul rates equal forward haul rates from Zone SL to zone of delivery; provided, however, that intra-zone rates shall apply to intra-zone transportation, whether such intra-zone transportation is forward haul or backhaul.

Tennessee Gas Pipeline Company, L.L.C.  
FERC NGA Gas Tariff  
Sixth Revised Volume No. 1

Tenth Revised Sheet No. 14  
Superseding  
Ninth Revised Sheet No. 14

RATES PER DEKATHERM

FIRM TRANSPORTATION RATES  
RATE SCHEDULE FOR FT-A

Base Reservation Rates		DELIVERY ZONE							
RECEIPT ZONE	0	L	1	2	3	4	5	6	
0	\$5.5411		\$11.5794	\$15.5758	\$15.8514	\$17.4175	\$18.4879	\$23.1959	
L		\$4.9193							
1	\$8.3417		\$7.9962	\$10.6413	\$15.0745	\$14.8460	\$16.7429	\$20.5878	
2	\$15.5759		\$10.5774	\$5.5014	\$5.1427	\$6.5803	\$9.0504	\$11.6830	
3	\$15.8514		\$8.3784	\$5.5458	\$4.0009	\$6.1457	\$11.1149	\$12.8437	
4	\$20.1259		\$18.5544	\$7.0708	\$10.7456	\$5.2598	\$5.6884	\$8.1265	
5	\$23.9973		\$16.8625	\$7.4172	\$8.9748	\$5.8432	\$5.4810	\$7.1353	
6	\$27.7603		\$19.3678	\$13.3296	\$14.6845	\$10.3726	\$5.4568	\$4.7237	

Daily Base Reservation Rate 1/		DELIVERY ZONE							
RECEIPT ZONE	0	L	1	2	3	4	5	6	
0	\$0.1822		\$0.3807	\$0.5121	\$0.5211	\$0.5726	\$0.6078	\$0.7626	
L		\$0.1617							
1	\$0.2742		\$0.2629	\$0.3499	\$0.4956	\$0.4881	\$0.5505	\$0.6769	
2	\$0.5121		\$0.3478	\$0.1809	\$0.1691	\$0.2163	\$0.2975	\$0.3841	
3	\$0.5211		\$0.2755	\$0.1823	\$0.1315	\$0.2021	\$0.3654	\$0.4223	
4	\$0.6617		\$0.6100	\$0.2325	\$0.3533	\$0.1729	\$0.1870	\$0.2672	
5	\$0.7890		\$0.5544	\$0.2439	\$0.2951	\$0.1921	\$0.1802	\$0.2346	
6	\$0.9127		\$0.6367	\$0.4382	\$0.4828	\$0.3410	\$0.1794	\$0.1553	

Maximum Reservation Rates 2 /, 3 /		DELIVERY ZONE							
RECEIPT ZONE	0	L	1	2	3	4	5	6	
0	\$5.5621		\$11.6004	\$15.5968	\$15.8724	\$17.4385	\$18.5089	\$23.2169	
L		\$4.9403							
1	\$8.3627		\$8.0172	\$10.6623	\$15.0955	\$14.8670	\$16.7639	\$20.6088	
2	\$15.5969		\$10.5984	\$5.5224	\$5.1637	\$6.6013	\$9.0714	\$11.7040	
3	\$15.8724		\$8.3994	\$5.5668	\$4.0219	\$6.1667	\$11.1359	\$12.8647	
4	\$20.1469		\$18.5754	\$7.0918	\$10.7666	\$5.2808	\$5.7094	\$8.1475	
5	\$24.0183		\$16.8835	\$7.4382	\$8.9958	\$5.8642	\$5.5020	\$7.1563	
6	\$27.7813		\$19.3888	\$13.3506	\$14.7055	\$10.3936	\$5.4778	\$4.7447	

Notes:

- 1/ Applicable to demand charge credits and secondary points under discounted rate agreements.
- 2/ Includes a per Dth charge for the PCB Surcharge Adjustment per Article XXXII of the General Terms and Conditions of \$0.0000.
- 3/ Includes a per Dth charge for the PS/GHG Surcharge Adjustment per Article XXXVIII of the General Terms and Conditions of \$0.0210.

Tennessee Gas Pipeline Company, L.L.C.  
 FERC NGA Gas Tariff  
 Sixth Revised Volume No. 1

Thirteenth Revised Sheet No. 15  
 Superseding  
 Twelveth Revised Sheet No. 15

RATES PER DEKATHERM

COMMODITY RATES  
 RATE SCHEDULE FOR FT-A

Base  
 Commodity Rates

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	\$0.0032		\$0.0115	\$0.0177	\$0.0219	\$0.2668	\$0.2546	\$0.3030
L		\$0.0012						
1	\$0.0042		\$0.0081	\$0.0147	\$0.0179	\$0.2269	\$0.2313	\$0.2641
2	\$0.0167		\$0.0087	\$0.0012	\$0.0028	\$0.0734	\$0.1178	\$0.1305
3	\$0.0207		\$0.0169	\$0.0026	\$0.0002	\$0.0982	\$0.1358	\$0.1482
4	\$0.0250		\$0.0205	\$0.0087	\$0.0105	\$0.0454	\$0.0642	\$0.1041
5	\$0.0284		\$0.0256	\$0.0100	\$0.0118	\$0.0639	\$0.0633	\$0.0787
6	\$0.0346		\$0.0300	\$0.0143	\$0.0163	\$0.0984	\$0.0533	\$0.0324

Minimum  
 Commodity Rates 1/, 2/

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	\$0.0032		\$0.0115	\$0.0177	\$0.0219	\$0.0250	\$0.0284	\$0.0346
L		\$0.0012						
1	\$0.0042		\$0.0081	\$0.0147	\$0.0179	\$0.0210	\$0.0256	\$0.0300
2	\$0.0167		\$0.0087	\$0.0012	\$0.0028	\$0.0056	\$0.0100	\$0.0143
3	\$0.0207		\$0.0169	\$0.0026	\$0.0002	\$0.0081	\$0.0118	\$0.0163
4	\$0.0250		\$0.0205	\$0.0087	\$0.0105	\$0.0028	\$0.0046	\$0.0092
5	\$0.0284		\$0.0256	\$0.0100	\$0.0118	\$0.0046	\$0.0046	\$0.0066
6	\$0.0346		\$0.0300	\$0.0143	\$0.0163	\$0.0086	\$0.0041	\$0.0020

Maximum  
 Commodity Rates 1/, 2/, 3/

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	\$0.0041		\$0.0124	\$0.0186	\$0.0228	\$0.2677	\$0.2555	\$0.3039
L		\$0.0021						
1	\$0.0051		\$0.0090	\$0.0156	\$0.0188	\$0.2278	\$0.2322	\$0.2650
2	\$0.0176		\$0.0096	\$0.0021	\$0.0037	\$0.0743	\$0.1187	\$0.1314
3	\$0.0216		\$0.0178	\$0.0035	\$0.0011	\$0.0991	\$0.1367	\$0.1491
4	\$0.0259		\$0.0214	\$0.0096	\$0.0114	\$0.0463	\$0.0651	\$0.1050
5	\$0.0293		\$0.0265	\$0.0109	\$0.0127	\$0.0648	\$0.0642	\$0.0796
6	\$0.0355		\$0.0309	\$0.0152	\$0.0172	\$0.0993	\$0.0542	\$0.0333

Notes:

- 1/ Rates stated above exclude the ACA Surcharge as revised annually and posted on the FERC website at <http://www.ferc.gov> on the Annual Charges page of the Natural Gas section. The ACA Surcharge is incorporated by reference into Transporter's Tariff and shall apply to all transportation under this Rate Schedule as provided in Article XXIV of the General Terms and Conditions.
- 2/ The applicable F&LR's and EPCR's, determined pursuant to Article XXXVII of the General Terms and Conditions, are listed on Sheet No. 32.
- 3/ Includes a per Dth charge for the PS/GHG Surcharge Adjustment per Article XXXVIII of the General Terms and Conditions of \$0.0009.

Texas Gas Transmission, LLC  
 FERC NGA Gas Tariff  
 Fourth Revised Volume No. 1  
 Effective On: November 1, 2016

Section 4.18.1  
 Currently Effective Rates - Fuel Retention - General  
 Version 8.0.0

**Schedule of Currently Effective Fuel Retention Percentages  
 Pursuant to Section 6.9 of the General Terms and Conditions**

**NNS/NNL/SGT/SGL/SNS/WNS Rate Schedules**

<u>Delivery Fuel Zone</u>	<u>EFRP [1]</u>
South	0.12%
Middle	0.39%
North	0.40%

**FT/STF/IT Rate Schedules**

<u>Rec/Del Fuel Zone</u>	<u>EFRP</u>
South/South	0.50%
South/Middle	0.68%
South/North	0.74%
Middle/South	0.50%
Middle/Middle	0.07%
Middle/North	0.33%
North/South	1.02%
North/Middle	0.29%
North/North	0.29%

**FSS/FSS-M/ISS/ISS-M Rate Schedules**

<u>Injection / Withdrawal</u>
0.00%

**Swing Allocation Hybrid Rate  
NNS/NNL/SGT/SGL/SNS/WNS**

<u>Delivery Fuel Zone</u>	<u>EFRP</u>
South	0.00%
Middle	0.00%
North	0.00%

[1] Effective Fuel Retention Percentage Schedule of Currently Effective Fuel Retention Percentages Pursuant to Section 6.9 of the General Terms and Conditions

Tennessee Gas Pipeline Company, L.L.C.  
FERC NGA Gas Tariff  
Sixth Revised Volume No. 1

Eleventh Revised Sheet No. 32  
Superseding  
Tenth Revised Sheet No. 32

FUEL AND EPCR

F&LR 1/, 2/, 3/, 4/	RECEIPT ZONE	DELIVERY ZONE							
		0	L	1	2	3	4	5	6
	0	0.35%		1.05%	1.56%	1.91%	2.28%	2.57%	3.05%
	L		0.18%						
	1	0.44%		0.77%	1.32%	1.58%	1.93%	2.34%	2.66%
	2	1.56%		0.82%	0.18%	0.32%	0.58%	0.97%	1.30%
	3	1.91%		1.58%	0.32%	0.10%	0.80%	1.14%	1.50%
	4	2.28%		1.80%	0.81%	0.97%	0.33%	0.50%	0.85%
	5	2.64%		2.39%	0.97%	1.15%	0.49%	0.49%	0.62%
	6	3.14%		2.66%	1.31%	1.50%	0.80%	0.39%	0.21%

EPCR 3/, 4/	RECEIPT ZONE	DELIVERY ZONE							
		0	L	1	2	3	4	5	6
	0	\$0.0025		\$0.0095	\$0.0147	\$0.0183	\$0.0221	\$0.0251	\$0.0301
	L		\$0.0008						
	1	\$0.0033		\$0.0067	\$0.0122	\$0.0149	\$0.0185	\$0.0227	\$0.0260
	2	\$0.0147		\$0.0072	\$0.0008	\$0.0022	\$0.0048	\$0.0087	\$0.0120
	3	\$0.0183		\$0.0149	\$0.0022	\$0.0000	\$0.0070	\$0.0104	\$0.0138
	4	\$0.0221		\$0.0171	\$0.0071	\$0.0086	\$0.0023	\$0.0040	\$0.0075
	5	\$0.0251		\$0.0227	\$0.0087	\$0.0104	\$0.0039	\$0.0039	\$0.0052
	6	\$0.0301		\$0.0260	\$0.0120	\$0.0138	\$0.0070	\$0.0029	\$0.0011

- 1/ Included in the above F&LR is the Losses component of the F&LR equal to 0.05%.
- 2/ For service that is rendered entirely by displacement and for gas scheduled and allocated for receipt at the Dracut, Massachusetts receipt point, Shipper shall render only the quantity of gas associated with Losses of 0.05%.
- 3/ The F&LR's and EPCR's listed above are applicable to FT-A, FT-BH, FT-G, FT-GS, and IT.
- 4/ The F&LR's and EPCR's determined pursuant to Article XXXVII of the General Terms and Conditions.

LOUISVILLE GAS AND ELECTRIC COMPANY

## Gas Supply Clause: 2016-00428

**Calculation of Gas Cost Actual Adjustment (GCAA)**

The purpose of this adjustment is to compensate for over- or under-recoveries which result from differences between various quarters' revenues collected to recover expected gas costs and the actual gas costs incurred during each such quarter. As shown on Page 1 of Exhibit B-1, the amount of over-recovery from Case Number 2016-00225 during the three-month period of August 1, 2016 through October 31, 2016 was \$885,653. The calculation of the Gas Cost Actual Adjustment (GCAA) set forth in Exhibit B-1 results in a refund of 0.281¢ per 100 cubic feet, which LG&E will place in effect with service rendered on and after February 1, 2017, and continue for 12 months. Also enclosed, on pages 6 and 7 of Exhibit B-1, is a breakdown of gas purchases for the three-month period from August 2016 through October 2016. [Please note that the names of the suppliers have been redacted from this page, in accordance with LG&E's Petition for Confidentiality filed this quarter.]

In this filing, LG&E will be eliminating the GCAA from Case Number 2015-00218 which, with service rendered through January 31, 2017, will have been in effect for twelve months. Any over- or under-recovery of the amount originally established will be transferred to the Gas Cost Balance Adjustment (GCBA) which will be implemented in LG&E's next Gas Supply Clause filing with service rendered on and after May 1, 2017.

Therefore, the Gas Cost Actual Adjustment will be as follows:

Current Quarter Actual Adjustment:		
Effective February 1, 2017 from 2016-00225	(0.281)	cents/Ccf
Previous Quarter Actual Adjustment		
Effective November 1, 2016 from 2016-00137	0.395	cents/Ccf
2nd Quarter Actual Adjustment:		
Effective August 1, 2016 from 2015-00429	0.665	cents/Ccf
3rd Previous Quarter Actual Adjustment:		
Effective May 1, 2016 from 2015-00329	(0.218)	cents/Ccf
<b>Total Gas Cost Actual Adjustment (GCAA)</b>	<b>0.561</b>	<b>cents/Ccf</b>



**LOUISVILLE GAS AND ELECTRIC COMPANY**  
**Calculation of Gas Cost Actual Adjustment**  
**Which Compensates for Over- or Under-**  
**Recoveries of Gas Supply Costs**  
**For Service Rendered On and After February 1, 2017**

Line No.	Recovery Period	Case Number	Total Dollars of Gas Cost Recovered <sup>1</sup>	Gas Supply Cost Per Books <sup>2</sup>	(Over)/Under Recovery
(1)	(2)	(3)	(4)	(5)	(6)=(5)-(4)
1	Jul-2016	2016-00137	\$409	\$0	(\$409) <sup>4</sup>
2	Aug-2016	2016-00225	\$1,524,175	\$2,515,226	\$991,051
3	Sep-2016	2016-00225	\$3,202,941	\$3,402,299	\$199,358
4	Oct-2016	2016-00225	\$3,200,187	\$3,947,956	\$747,769
5	Nov-2016	(Note 3)	\$2,823,422	\$0	(\$2,823,422)
6			\$10,751,134	\$9,865,481	(\$885,653)
7		(Over)/Under Recovery	(\$885,653)		
8		Expected Mcf Sales for			
9		12-Month Period from Date Implemented	31,490,036		
10		GCAA Factor per Mcf	(\$0.0281)		
11		GCAA Factor per Ccf	(\$0.00281)		
12		GCAA Factor Cents per Ccf	(0.281)		

<sup>1</sup> See Page 2 of this Exhibit.

<sup>2</sup> See Page 5 of this Exhibit.

<sup>3</sup> Current sales included in meter readings for prior month.

<sup>4</sup> Correction for FT customer meter issue.

**LOUISVILLE GAS AND ELECTRIC COMPANY**  
Calculation of Gas Costs Recovered  
Under Company's Gas Supply Clause  
For Service Rendered On and After February 1, 2017

Line No.	Recovery Period	Comments	Case No.	Total Mcf Sales for Month	Mcf Sales Applicable to GCAA Period	Gas Supply Cost per Mcf	AAGS Interruption Penalty	Dollars Recovered Under GSC
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)=[(6)x(7)]+(8)
1	Aug-2016	Prorated	2016-00225	692,908.5 <sup>1</sup>	361,723.2 <sup>2</sup>	\$3.8917	\$0	\$1,407,718
2	Sep-2016		2016-00225	743,780.8	743,780.8	\$3.8917	\$0	\$2,894,572
3	Oct-2016		2016-00225	756,617.3	756,617.3	\$3.8917	\$0	\$2,944,528
4	Nov-2016	Prorated	2016-00225	1,530,329.5 <sup>1</sup>	725,498.4 <sup>2</sup>	\$3.8917		\$2,823,422
5					2,587,619.7		\$0	\$10,070,240
		\$ Recovered <sup>3</sup> Under Rider TS- 2	\$ Recovered <sup>4</sup> Under Rate FT	\$ from OSS	Total \$ Recovered (13)=[(9)+(10)+(11) +(12)]			
		(10)	(11)	(12)				
6	Jul-2016	\$0	\$409 <sup>5</sup>	\$0	\$409			
7	Aug-2016	\$57,390	\$59,067	\$0	\$1,524,175			
8	Sep-2016	\$48,648	\$75,821	\$183,900	\$3,202,941			
9	Oct-2016	\$72,336	\$183,323	\$0	\$3,200,187			
10	Nov-2016				\$2,823,422			
11		\$178,374	\$318,620	\$183,900	\$10,751,134			

<sup>1</sup> For information purposes only, volumes will be prorated.  
<sup>2</sup> Portion of month billed at rate effective this quarter.  
<sup>3</sup> See Page 3 of this Exhibit.  
<sup>4</sup> See Page 4 of this Exhibit.  
<sup>5</sup> Correction for FT customer meter issue.

**LOUISVILLE GAS AND ELECTRIC COMPANY**  
 Summary of Gas Costs Recovered  
 Under Provisions of Rider TS-2  
 For Service Rendered On and After February 1, 2017

Line No.	Recovery Period	Case Number	Mcf Transported Under Rider TS-2	PSDC Per Mcf	PSDC	Rider TS-2	MMBtu Adjust. (Mcf)	MMBtu Adjust. (\$)	Cash-Out Sales (Mcf)	Cash-Out Sales (\$)	AAGS TS-2	Action Alert \$	Monthly \$'s
					Revenue Collected from TS-2 Customers	Gas True-Up Charge Revenue					Interruption Penalty		Recovered Under Rider TS-2
	(1)	(2)	(3)	(4)	(5)=(3)x(4)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)=(5)+(6)+(8) +(10)+(11)+(12)
1	Aug-2016	2016-00225	68,114.1	\$0.8264	\$56,289	(\$4,660)	1,069.0	\$2,929	902.3	\$2,831	\$0	\$0	\$57,390
2	Sep-2016	2016-00225	57,661.3	\$0.8264	\$47,651	(\$3,622)	1,056.0	\$3,345	392.0	\$1,273	\$0	\$0	\$48,648
3	Oct-2016	2016-00225	57,444.7	\$0.8264	\$47,472	(\$3,608)	2,125.0	\$6,666	6,059.5	\$21,805	\$0	\$0	\$72,336
4	Total Amount to Transfer to Exhibit B-1, Page 2												\$178,374

Note: Should a Customer served under Rider TS-2 under-nominate its monthly gas supply needs, a Cash-Out Sale is made to the Customer. This sale, which is based upon the cash-out price established in Rider TS-2, is also flowed through the GCAA as revenue.

Note: Changes in billings of the Cash-out Provision caused by variations in the MMBTU content of the gas are corrected on the following month's bill. Should such change occur as a charge to the customer, such revenue is flowed through the GCAA.

**LOUISVILLE GAS AND ELECTRIC COMPANY**  
Summary of Gas Costs Recovered  
Under Provisions of Rate FT  
For Service Rendered On and After February 1, 2017

Recovery Period	Case Number	UCDI Demand Chrg / Mcf	Cash-Out Sales (Mcf)	Cash-Out Sales (\$)	MMBTU Adjust. (Mcf)	MMBTU Adjust. (\$)	UCDI Mcf	UCDI \$ [(3)x(8)]	OFO \$	Rate FT Gas True-Up Charge Revenue	Monthly \$'s Recovered [(5)+(7)+(9)+(10)+(11)]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Jul-2016	<sup>1</sup> 2016-00137	\$0.1673	159.2	\$463	-	\$5	(353.7)	(\$59)	\$0	\$0	\$409
Aug-2016	2016-00225	\$0.1662	3,274.3	\$9,982	15,964.0	\$43,603	32,986.9	\$5,482	\$0	\$0	\$59,067
Sep-2016	2016-00225	\$0.1662	8,441.4	\$27,426	13,160.0	\$40,732	46,112.7	\$7,664	\$0	\$0	\$75,821
Oct-2016	2016-00225	\$0.1662	21,179.6	\$68,826	32,299.0	\$103,600	65,565.8	\$10,897	\$0	\$0	\$183,323
Total Amount to Transfer to Exhibit B-1, Page 2											\$318,620

<sup>1</sup> Adjustment for FT customer with a meter issue in July 2016.

Note: Should a Customer served under Rate FT under-nominate its monthly gas supply needs, a Cash-Out Sale is made to the Customer. This sale, which is based upon the cash-out price established in Rate FT, is also flowed through the GCAA as revenue.

Note: Changes in billings of the Cash-out Provision caused by variations in the MMBTU content of the gas are corrected on the following month's bill. Should such change occur as a charge to the customer, such revenue is flowed through the GCAA.



LOUISVILLE GAS AND ELECTRIC COMPANY  
SUMMARY OF GAS PURCHASES AND COSTS BY SUPPLIER  
FOR THE 3 MONTH PERIOD FROM AUGUST 2016 THROUGH OCTOBER 2016

DELIVERED BY TEXAS GAS TRANSMISSION, LLC  
COMMODITY AND VOLUMETRIC CHARGES

	AUGUST 2016			SEPTEMBER 2016			OCTOBER 2016		
	NET MMBTU	MCF	\$	NET MMBTU	MCF	\$	NET MMBTU	MCF	\$
<b>NATURAL GAS SUPPLIERS:</b>									
1 . A	307,303	304,261	\$799,800.00	297,390	294,446	\$831,000.00	307,303	304,261	\$889,700.00
2 . B	0	0	\$0.00	0	0	\$0.00	357,177	353,641	\$953,862.50
3 . C	0	0	\$0.00	0	0	\$0.00	82,841	82,021	\$229,950.00
4 . D	302,103	299,112	\$832,038.68	292,380	289,485	\$860,300.00	0	0	\$0.00
5 . E	775,000	767,327	\$2,035,890.90	750,000	742,574	\$2,107,674.00	600,000	594,059	\$1,747,231.20
6 . F	0	0	\$0.00	(80,000)	(59,406)	(\$183,900.00)	77,968	77,196	\$205,300.00
7 . G	0	0	\$0.00	0	0	\$0.00	77,968	77,196	\$205,300.00
8 . H	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
9 . I	775,000	767,327	\$2,049,727.44	751,524	744,083	\$2,121,998.40	625,000	618,812	\$1,832,473.50
10 . J	307,303	304,260	\$833,300.00	297,390	294,445	\$859,950.00	307,304	304,261	\$871,300.00
11 . K	302,126	299,135	\$799,800.00	292,380	289,485	\$828,000.00	0	0	\$0.00
	<u>2,768,835</u>	<u>2,741,422</u>	<u>\$7,350,557.02</u>	<u>2,621,064</u>	<u>2,595,112</u>	<u>\$7,425,022.40</u>	<u>2,435,561</u>	<u>2,411,447</u>	<u>\$6,935,117.20</u>
<b>NO-NOTICE SERVICE ("NNS") STORAGE:</b>									
1 . WITHDRAWALS	923	914	\$2,466.53	125,382	124,141	\$358,479.68	216,926	214,778	\$614,442.90
2 . INJECTIONS	(176,278)	(174,533)	(\$471,067.70)	(62,110)	(61,495)	(\$177,578.70)	(237,771)	(235,417)	(\$673,486.36)
3 . ADJUSTMENTS	(372)	7,099	(\$1,061.35)	20,803	23,001	\$55,591.86	35	(2,253)	\$100.07
4 . ADJUSTMENTS	0	0	\$288.32	0	0	(\$10,924.11)	0	0	(\$24.32)
5 . ADJUSTMENTS	0	0	\$94,854.16	0	0	(\$31,482.73)	0	0	\$34,341.73
6 . ADJUSTMENTS	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
NET NNS STORAGE	<u>(175,727)</u>	<u>(166,520)</u>	<u>(\$374,540.04)</u>	<u>84,075</u>	<u>85,647</u>	<u>\$194,086.00</u>	<u>(20,810)</u>	<u>(22,892)</u>	<u>(\$24,625.98)</u>
<b>NATURAL GAS TRANSPORTERS:</b>									
1 . TEXAS GAS TRANSMISSION, LLC			\$111,324.35			\$118,692.83			\$99,999.44
2 . ADJUSTMENTS	0	(37,102)	(\$23.10)	0	(43,833)	\$1,308.75	0	(96,052)	\$2.47
3 . ADJUSTMENTS	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
TOTAL	<u>2,593,108</u>	<u>2,537,800</u>	<u>\$111,301.25</u>	<u>2,705,139</u>	<u>2,636,926</u>	<u>\$119,999.58</u>	<u>2,414,751</u>	<u>2,292,503</u>	<u>\$100,001.91</u>
TOTAL COMMODITY AND VOLUMETRIC CHARGES			<u>\$7,087,318.23</u>			<u>\$7,739,107.98</u>			<u>\$7,010,493.13</u>
<b>DEMAND AND FIXED CHARGES:</b>									
1 . TEXAS GAS TRANSMISSION, LLC			\$1,187,566.60			\$1,149,258.00			\$1,928,199.38
2 . ADJUSTMENTS			\$0.00			\$0.00			\$0.00
3 . SUPPLY RESERVATION CHARGES			\$279,379.75			\$270,367.50			\$278,183.28
4 . ADJUSTMENTS			\$0.00			\$0.00			\$0.00
5 . CAPACITY RELEASE CREDITS			\$0.00			\$0.00			\$0.00
6 . ADJUSTMENTS			\$0.00			\$0.00			\$0.00
TOTAL DEMAND AND FIXED CHARGES			<u>\$1,466,946.35</u>			<u>\$1,419,625.50</u>			<u>\$2,206,382.66</u>
TOTAL PURCHASED GAS COSTS – TEXAS GAS TRANSMISSION, LLC			<u>\$8,554,264.58</u>			<u>\$9,158,733.48</u>			<u>\$9,216,875.79</u>

LOUISVILLE GAS AND ELECTRIC COMPANY  
SUMMARY OF GAS PURCHASES AND COSTS BY SUPPLIER  
FOR THE 3 MONTH PERIOD FROM AUGUST 2016 THROUGH OCTOBER 2016

DELIVERED BY TENNESSEE GAS PIPELINE COMPANY, LLC			AUGUST 2016			SEPTEMBER 2016			OCTOBER 2016		
COMMODITY AND VOLUMETRIC CHARGES:			NET MMBTU	MCF	\$	NET MMBTU	MCF	\$	NET MMBTU	MCF	\$
NATURAL GAS SUPPLIERS:											
1	L		0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
2	M		155,000	144,860	\$395,250.00	150,000	140,187	\$409,500.00	155,000	144,860	\$444,850.00
3	N		155,000	144,860	\$395,250.00	150,000	140,187	\$409,500.00	155,000	144,860	\$444,850.00
4	O		310,000	289,719	\$802,202.66	300,000	280,374	\$831,178.35	310,000	289,719	\$902,970.01
5	P		155,000	144,860	\$410,025.00	150,000	140,187	\$431,375.00	155,000	144,860	\$444,725.00
6	Q		310,000	289,720	\$832,219.55	300,000	280,374	\$875,619.60	310,000	289,720	\$902,716.07
7	R		155,000	144,860	\$410,025.00	150,000	140,187	\$431,375.00	155,000	144,860	\$444,725.00
			<u>1,240,000</u>	<u>1,158,879</u>	<u>\$3,244,972.21</u>	<u>1,200,000</u>	<u>1,121,496</u>	<u>\$3,388,547.95</u>	<u>1,240,000</u>	<u>1,158,879</u>	<u>\$3,584,838.08</u>
NATURAL GAS TRANSPORTERS:											
1	TENNESSEE GAS PIPELINE COMPANY, LLC				\$11,842.00			\$11,460.00			\$11,780.00
2	TENNESSEE GAS PIPELINE COMPANY, LLC				\$9,114.00			\$8,820.00			\$9,114.00
3	TENNESSEE GAS PIPELINE COMPANY, LLC				\$434.00			\$420.00			\$434.00
4	ADJUSTMENTS		(1,276)	5,312	\$1,113.58	(2,377)	4,848	(\$1,680.67)	(162)	6,581	(\$4,611.22)
5	ADJUSTMENTS		0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
6	ADJUSTMENTS		0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
	TOTAL		<u>1,238,724</u>	<u>1,164,191</u>	<u>\$22,503.58</u>	<u>1,197,623</u>	<u>1,126,344</u>	<u>\$19,039.33</u>	<u>1,239,838</u>	<u>1,165,460</u>	<u>\$16,716.78</u>
	TOTAL COMMODITY AND VOLUMETRIC CHARGES				<u>\$3,267,475.79</u>			<u>\$3,407,587.28</u>			<u>\$3,601,552.86</u>
DEMAND AND FIXED CHARGES:											
1	TENNESSEE GAS PIPELINE COMPANY, LLC				\$152,480.00			\$152,480.00			\$152,480.00
2	ADJUSTMENTS				\$0.00			\$0.00			\$0.00
3	SUPPLY RESERVATION CHARGES				\$24,800.00			\$24,000.00			\$24,800.00
4	ADJUSTMENTS				\$0.00			\$0.00			\$0.00
5	CAPACITY RELEASE CREDITS				\$0.00			\$0.00			\$0.00
6	ADJUSTMENTS				\$0.00			\$0.00			\$0.00
	TOTAL DEMAND AND FIXED CHARGES				<u>\$177,280.00</u>			<u>\$176,480.00</u>			<u>\$177,280.00</u>
	TOTAL PURCHASED GAS COSTS – TENNESSEE GAS PIPELINE COMPANY, LLC				<u>\$3,444,755.79</u>			<u>\$3,584,067.28</u>			<u>\$3,778,832.86</u>
OTHER PURCHASES											
1	CASH-OUT OF CUSTOMER OVER-DELIVERIES		9,248		\$24,778.69	10,534		\$30,049.25	1,722		\$4,785.51
	TOTAL		<u>9,248</u>		<u>\$24,778.69</u>	<u>10,534</u>		<u>\$30,049.25</u>	<u>1,722</u>		<u>\$4,785.51</u>
	TOTAL PURCHASED GAS COSTS – ALL PIPELINES		<u>3,831,832</u>	<u>3,711,239</u>	<u>\$12,023,799.06</u>	<u>3,902,762</u>	<u>3,773,804</u>	<u>\$12,772,850.01</u>	<u>3,654,589</u>	<u>3,459,685</u>	<u>\$13,000,494.16</u>

**LOUISVILLE GAS AND ELECTRIC COMPANY**

**Gas Supply Clause: 2016-00428**

**Calculation of Gas Cost Balance Adjustment (GCBA)**

The purpose of this adjustment is to compensate for any over- or under-recoveries remaining from prior Gas Cost Actual Adjustments and Gas Cost Balance Adjustments. The over-recovery that must be returned under the Gas Cost Balance Adjustment (GCBA) during the period of February 1, 2017 through April 30, 2017, set forth on Page 1 of Exhibit C-1, is \$168,163. The GCBA factor required to return this over-recovery is a refund of 0.131¢ per 100 cubic feet. LG&E will place this refund into effect with service rendered on and after February 1, 2017 and continue for three months.

In this filing, LG&E will be eliminating the GCBA from Case 2016-00353, which, with service rendered through January 31, 2017, will have been in effect for three months. Any over- or under-recovery of the amount originally established will be transferred to the GCBA which will be implemented in LG&E's next Gas Supply Clause filing with service rendered on and after May 1, 2017.



**LOUISVILLE GAS AND ELECTRIC COMPANY**  
Calculation of Quarterly Gas Cost Balance Adjustment  
For Service Rendered On and After February 1, 2017

Line No.	Factor	Remaining Balance
1	Remaining (Over)/Under Recovery From GCAA <sup>1</sup>	(\$128,365)
2	Remaining (Over)/Under Recovery From GCBA <sup>2</sup>	(\$39,798)
3	Remaining (Under)/Over Refund From RA <sup>3</sup>	\$0
4	Remaining (Over)/Under Recovery From PBRRC <sup>4</sup>	\$0
5	Total Remaining (Over)/Under Recovery	(\$168,163)
6	Expected Mcf Sales for 3 Month Period <sup>5</sup>	12,882,565
7	GCBA Factor Per Mcf	(\$0.0131)
8	GCBA Factor Per Ccf	(\$0.00131)

<sup>1</sup> See Exhibit C-1, page 2.

<sup>2</sup> See Exhibit C-1, page 3.

<sup>3</sup> See Exhibit D-1, page 2. LG&E is not receiving any pipeline refunds at this time.

<sup>4</sup> See Exhibit E-1, page 2. Only done for August filing.

<sup>5</sup> See Exhibit A, page 1.

**LOUISVILLE GAS AND ELECTRIC COMPANY**  
**Calculation of Revenue Collected or Refunded Under GCAA Factor**  
**For Service Rendered On and After February 1, 2017**

From Case No. 2015-00105

Line No.	Recovery Period	Comments	Sales Applicable		GCAA/Mcf Factor	Recovery/(Refund) per Month	Balance Remaining	
			Total Mcf Sales for Month	to GCAA Recovery				
	(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)	(7)=(Bal)-(6)	
1						Beginning Balance	(\$743,452)	
2	Nov-15	Prorated	1,706,623.8	795,472.3	(\$0.0226)	(\$17,978)	(\$725,474)	
3	Dec-15		3,396,567.1	3,396,567.1	(\$0.0226)	(\$76,762)	(\$648,712)	
4	Jan-16		5,101,870.0	5,101,870.0	(\$0.0226)	(\$115,302)	(\$533,410)	
5	Feb-16		5,755,793.8	5,755,793.8	(\$0.0226)	(\$130,081)	(\$403,329)	
6	Mar-16		3,951,842.2	3,951,842.2	(\$0.0226)	(\$89,312)	(\$314,017)	
7	Apr-16		2,284,040.8	2,284,040.8	(\$0.0226)	(\$51,619)	(\$262,398)	
8	May-16		1,293,125.9	1,293,125.9	(\$0.0226)	(\$29,225)	(\$233,173)	
9	Jun-16		985,404.8	985,404.8	(\$0.0226)	(\$22,270)	(\$210,903)	
10	Jul-16		733,329.6	733,329.6	(\$0.0226)	(\$16,573)	(\$194,330)	
11	Aug-16		692,908.5	692,908.5	(\$0.0226)	(\$15,660)	(\$178,670)	
12	Sep-16		743,780.8	743,780.8	(\$0.0226)	(\$16,809)	(\$161,861)	
13	Oct-16		756,617.3	756,617.3	(\$0.0226)	(\$17,100)	(\$144,761)	
14	Nov-16	Prorated	1,530,329.5	725,498.4	(\$0.0226)	(\$16,396)	(\$128,365)	
15			Total Amount Recovered/(Refunded) During Period				(\$615,087)	
16			Remaining Balance to Transfer to Exhibit C-1, Page 1 of 3				(\$128,365)	

**LOUISVILLE GAS AND ELECTRIC COMPANY**  
Revenue Collected Under the GCBA Factor  
For Service Rendered On and After February 1, 2017

Case No. 2016-00225

Line No.	Recovery Period (1)	Comments (2)	Total Mcf Sales for Month (3)	Sales Applicable to GCBA (4)	GCBA/Mcf Factor (5)	Recovery/(Refund) per Month (6)=(4)x(5)	Balance Remaining (7)=(Bal)-(6)
1						Beginning Balance	(\$204,112)
2	Aug-2016	Prorated	692,908.5	361,723.2	(\$0.0635)	(\$22,969)	(\$181,143)
3	Sep-2016		743,780.8	743,780.8	(\$0.0635)	(\$47,230)	(\$133,913)
4	Oct-2016		756,617.3	756,617.3	(\$0.0635)	(\$48,045)	(\$85,867)
5	Nov-2016	Prorated	1,530,329.5	725,498.4	(\$0.0635)	(\$46,069)	(\$39,798)
6			Total Amount Recovered/(Refunded) During Period			(\$164,314)	
7			Remaining Balance to Transfer to Exhibit C-1, Page 1 of 3			(\$39,798)	

**LOUISVILLE GAS AND ELECTRIC COMPANY**

**Gas Supply Clause: 2016-00428**

The Company has received no refunds this quarter and has completed refunding all previous obligations.

Therefore, the Refund Factor will be as follows:

None

LOUISVILLE GAS AND ELECTRIC**Gas Supply Clause: 2016-00428****Calculation of Performance Based Rate Recovery Component (PBRRC)**

The purpose of the PBRRC is to collect Louisville Gas and Electric Company's portion of the savings created under the gas supply cost PBR. In accordance with the Order of the Commission in Case No. 2009-00550, LG&E is making this filing. Therefore, as shown in the following table, the PBRRC amount which becomes effective with gas service rendered on and after February 1, 2017, and will remain in effect until January 31, 2018, is \$0.00376 and \$0.00233 per 100 cubic feet for sales and Rider TS-2 volumes, respectively:

	<u>Sales Volumes</u>	<u>Transportation Volumes</u>
Commodity-Related Portion	\$0.00143/Ccf	\$0.00000/Ccf
Demand-Related Portion	<u>\$0.00233/Ccf</u>	<u>\$0.00233/Ccf</u>
Total PBRRC	\$0.00376/Ccf	\$0.00233/Ccf

Please note that Louisville Gas and Electric Company's tariff sales volumes receive both the commodity-related and demand-related portion of the PBRRC. Transportation volumes under Rider TS-2 receive only the demand-related portion of the PBRRC.

**LOUISVILLE GAS AND ELECTRIC COMPANY**

Effective February 1, 2017 with Gas Supply Clause Case No. 2016-00428  
Shareholder Portion of PBR Savings

PBR Year 20

Split between Demand (Fixed) and Commodity (Volumetric) Components  
As Determined in LG&E's Annual PBR Filing

<u>Line No.</u>		<u>Commodity</u>	<u>Demand</u>	<u>Total</u>
1	Company Share of PBR Savings or (Expenses) (CSPBR)	\$449,685	\$750,756	\$1,200,441
2	Expected Mcf Sales for the 12 month period beginning February 1, 2017	31,490,036	32,204,815	
3	PBRRC factor per Mcf	\$0.0143	\$0.0233	\$0.0376
4	PBRRC factor per Ccf	\$0.00143	\$0.00233	\$0.00376

**LOUISVILLE GAS AND ELECTRIC****Gas Supply Clause: 2016-00428  
Gas Cost True-Up Charge Applicable to Customers Served  
Under Rate FT and Rider TS-2**

The purpose of the Gas Cost True-Up is to collect or refund any under- or over-collected gas costs incurred by transportation customers in previous quarters. Pursuant to the Order dated December 20, 2012, in Case No. 2012-00222, the charge (or credit) applies only to those transportation customers that were previously Louisville Gas and Electric Company sales customers. These under- or over-collected amounts (in the form of the GCAA, GCBA, and PBRRC) that transferring customers would have paid as sales customers will be applied for eighteen months. Therefore, as shown in the following table, the charge (or credit) which will be effective for any customers transferring from an LG&E sales rate to one of its transportation rates effective November 1, 2015 and November 1, 2016 is respectively:

<u>With Service Elected Effective</u>	<u>Applicable Components of GCAA</u>	<u>Applicable Components of GCBA</u>	<u>Applicable Components of PBRRC</u>	<u>Total</u>
November 1, 2015	\$0.0000/Mcf	(\$0.0131)/Mcf	\$0.0000/Mcf	(\$0.0131)/Mcf
November 1, 2016	\$0.0561/Mcf	(\$0.0131)/Mcf	\$0.0376/Mcf	\$0.0806/Mcf

**LOUISVILLE GAS AND ELECTRIC COMPANY**

Gas Supply Clause 2016-00428  
 Gas Cost True-Up Charge Applicable to Customers  
 Served Under Rate FT and Rider TS-2  
 For Service Rendered On and After February 1, 2017

Line No.	With Service Elected Effective (1)	Applicable Components of GCAA/Mcf (2)	Applicable Components of GCBA/Mcf (3)	Applicable Components of PBRRC/Mcf (4)	Total/Mcf (5)=(2)+(3)+(4)
1	November 1, 2015	\$0.0000	(\$0.0131)	\$0.0000	(\$0.0131)
2	November 1, 2016	\$0.0561	(\$0.0131)	\$0.0376	\$0.0806



**LOUISVILLE GAS AND ELECTRIC COMPANY**

**GAS SERVICE RATES EFFECTIVE WITH SERVICE  
RENDERED FROM**

**February 1, 2017 through April 30, 2017**

	RATE PER 100 CUBIC FEET					TOTAL
	BASIC SERVICE CHARGE (PER MONTH)	GAS LINE TRACKER CHARGE (PER MONTH)	DISTRIBUTION COST COMPONENT	GAS SUPPLY COST COMPONENT (GSCC)	DSM COST RECOVERY COMPONENT	
RATE RGS - RESIDENTIAL						
BASIC SERVICE CHARGE	\$13.50	\$5.14				
ALL CCF			\$0.28693	\$0.42950	\$0.01084	\$0.72727
RATE CGS - COMMERCIAL (meter capacity < 5000 CF/HR)						
BASIC SERVICE CHARGE	\$40.00	\$27.41				
APRIL THRU OCTOBER						
FIRST 1000 CCF/MONTH			\$0.21504	\$0.42950	\$0.00057	\$0.64511
OVER 1000 CCF/MONTH			\$0.16504	\$0.42950	\$0.00057	\$0.59511
NOVEMBER THRU MARCH						
ALL CCF			\$0.21504	\$0.42950	\$0.00057	\$0.64511
RATE CGS - COMMERCIAL (meter capacity >= 5000 CF/HR)						
BASIC SERVICE CHARGE	\$180.00	\$27.41				
APRIL THRU OCTOBER						
FIRST 1000 CCF/MONTH			\$0.21504	\$0.42950	\$0.00057	\$0.64511
OVER 1000 CCF/MONTH			\$0.16504	\$0.42950	\$0.00057	\$0.59511
NOVEMBER THRU MARCH						
ALL CCF			\$0.21504	\$0.42950	\$0.00057	\$0.64511
RATE IGS - INDUSTRIAL (meter capacity < 5000 CF/HR)						
BASIC SERVICE CHARGE	\$40.00	\$259.54				
APRIL THRU OCTOBER						
FIRST 1000 CCF/MONTH			\$0.22779	\$0.42950	\$0.00057	\$0.65786
OVER 1000 CCF/MONTH			\$0.17779	\$0.42950	\$0.00057	\$0.60786
NOVEMBER THRU MARCH						
ALL CCF			\$0.22779	\$0.42950	\$0.00057	\$0.65786
RATE IGS - INDUSTRIAL (meter capacity >= 5000 CF/HR)						
BASIC SERVICE CHARGE	\$180.00	\$259.54				
APRIL THRU OCTOBER						
FIRST 1000 CCF/MONTH			\$0.22779	\$0.42950	\$0.00057	\$0.65786
OVER 1000 CCF/MONTH			\$0.17779	\$0.42950	\$0.00057	\$0.60786
NOVEMBER THRU MARCH						
ALL CCF			\$0.22779	\$0.42950	\$0.00057	\$0.65786
Rate AAGS			RATE PER 1000 CUBIC FEET			
BASIC SERVICE CHARGE	\$400.00	\$2,838.87				
ALL MCF			\$0.70090	\$4.2950	\$0.0057	\$5.00160
			RATE PER 100 CUBIC FEET			
RATE DGGS - COMMERCIAL & INDUSTRIAL (meter capacity < 5000 CF/HR)						
BASIC SERVICE CHARGE	\$40.00	\$0.00				
ALL CCF			\$0.03329	\$0.42950	\$ 1.12630	\$1.58909
RATE DGGS - COMMERCIAL & INDUSTRIAL (meter capacity >= 5000 CF/HR)						
BASIC SERVICE CHARGE	\$180.00	\$0.00				
ALL CCF			\$0.03329	\$0.42950	\$ 1.12630	\$1.58909

EFFECTIVE RATES FOR RIDER TS-2 TRANSPORTATION SERVICE

GAS SERVICE RATES EFFECTIVE WITH SERVICE  
RENDERED FROM

February 1, 2017 through April 30, 2017

Charges in addition to Customer's Retail Rate	ADMIN. CHARGE (PER MONTH)	RATE PER MCF	
			PIPELINE SUPPLIER'S DEMAND COMPONENT
<b>Rider TS-2</b>			
RATE CGS - COMMERCIAL	\$550.00		
APRIL THRU OCTOBER			
FIRST 100 MCF/MONTH			\$0.8496
OVER 100 MCF/MONTH			\$0.8496
NOVEMBER THRU MARCH			
ALL MCF			\$0.8496
RATE IGS - INDUSTRIAL	\$550.00		
APRIL THRU OCTOBER			
FIRST 100 MCF/MONTH			\$0.8496
OVER 100 MCF/MONTH			\$0.8496
NOVEMBER THRU MARCH			
ALL MCF			\$0.8496
Rate AAGS	\$550.00		\$0.8496

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**Charges for Gas Transportation Services Provided Under Rate FT**

February 1, 2017 through April 30, 2017

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Transportation Service:

Monthly Transportation Administrative Charge	\$550.00
Distribution Charge / Mcf Delivered	\$0.4302

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Ancillary Services:

Daily Demand Charge	\$0.1603
Daily Storage Charge	\$0.1833
Utilization Charge per Mcf for Daily Balancing	\$0.3436

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Cash-Out Provision for Monthly Imbalances	Percentage to be Multiplied by Cash-Out Price as Decribed in Rate FT
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Cash-Out Provision for Monthly Imbalances:

Where Usage is Greater than Transported Volume - Billing:

First 5% or less	100%
next 5%	110%
next 5%	120%
next 5%	130%
> than 20%	140%

Where Transported Volume is Greater than Usage - Purchase:

First 5% or less	100%
next 5%	90%
next 5%	80%
next 5%	70%
> than 20%	60%

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