

LOUISVILLE GAS AND ELECTRIC COMPANY

Supporting Calculations For The

Gas Supply Clause

2019-00078

For the Period

May 1, 2019 through July 31, 2019

Louisville Gas and Electric Company

P.S.C. Gas No. 11, Eighth Revision of Original Sheet No. 5
Canceling P.S.C. Gas No. 11, Seventh Revision of Original 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 Company's Terms and Conditions. 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 per month:	\$16.35 per delivery point
Plus a Charge per 100 cubic feet:	
Distribution Charge	\$ 0.36300
Gas Supply Cost Component	<u>0.43618</u>
Total Gas Charge per 100 cubic feet:	\$ 0.79918

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.

DATE OF ISSUE: March 29, 2019

DATE EFFECTIVE: May 1, 2019

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.
2019-00078 dated _____**

Louisville Gas and Electric Company

P.S.C. Gas No. 11, Eighth Revision of Original Sheet No. 9
Canceling P.S.C. Gas No. 11, Seventh Revision of Original 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.

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 Company's Terms and Conditions. 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.

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 per month:	\$16.35 per delivery point
Plus a Charge per 100 cubic feet:	
Distribution Charge	\$ 0.36300
Gas Supply Cost Component	<u>0.43618</u>
Total Gas Charge per 100 cubic feet:	\$ 0.79918

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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Louisville Gas and Electric Company

P.S.C. Gas No. 11, Ninth Revision of Original Sheet No. 10.1
Canceling P.S.C. Gas No. 11, Eighth Revision of Original Sheet No. 10.1

Standard Rate

CGS Firm Commercial Gas Service

RATE

Basic Service Charge per month:	
If all of the customer's meters have a capacity < 5000 cf/hr:	\$ 60.00 per delivery point
If any of the customer's meters have a capacity ≥ 5000 cf/hr:	\$285.00 per delivery point
Plus a Charge per 100 cubic feet:	
Distribution Charge	\$ 0.25133
Gas Supply Cost Component	0.43618
Total Charge per 100 cubic feet:	\$ 0.68751

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.

Off-Peak Pricing Provision:

The Distribution Charge 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
Tax Cuts and Jobs Act Surcredit	Sheet No. 89
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. 11, Ninth Revision of Original Sheet No. 15.1
Canceling P.S.C. Gas No. 11, Eighth Revision of Original Sheet No. 15.1

Standard Rate

IGS Firm Industrial Gas Service

RATE

Basic Service Charge per month:		
If all of the customer's meters have a capacity < 5000 cf/hr:	\$165.00 per delivery point	
If any of the customer's meters have a capacity ≥ 5000 cf/hr:	\$750.00 per delivery point	
Plus a Charge per 100 cubic feet:		
Distribution Charge	\$ 0.21929	
Gas Supply Cost Component	0.43618	
Total Charge per 100 cubic feet:	\$ 0.65547	

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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
Tax Cuts and Jobs Act Surcredit	Sheet No. 89
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P.S.C. Gas No. 11, Ninth Revision of Original Sheet No. 20.1
Canceling P.S.C. Gas No. 11, Eighth Revision of Original 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 per month:	\$500.00 per delivery point
Plus a Charge per Mcf:	
Distribution Charge	\$ 1.0644
Gas Supply Cost Component	4.3618
Total Charge Per Mcf;	\$ 5.4262

The "Gas Supply Cost Component" as shown above is the cost per Mcf determined in accordance with the Gas Supply Clause set forth on Sheet Nos. 85 of this Tariff. The Performance-Based Ratemaking Mechanism, set forth on Sheet Nos. 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
Tax Cuts and Jobs Act Surcredit	Sheet No. 89
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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P.S.C. Gas No. 11, Eighth Revision of Original Sheet No. 21
Canceling P.S.C. Gas No. 11, Seventh Revision of Original Sheet No. 21

Standard Rate

SGSS
Substitute Gas Sales Service

APPLICABLE

In all territory served.

AVAILABILITY OF SERVICE

Service under this rate schedule is required for any commercial or industrial customer that is physically connected to the facilities of any other provider of natural gas, bio-gas, native gas, methane, or other gaseous fuels, such other providers to include, but not be limited to, another natural gas local distribution company, public, private, or municipal; a producer, gatherer, or transmitter of natural gas; an interstate or intrastate natural gas pipeline; or any other entity (including the Customer itself acting in any one or more of these roles) that provides natural gas or natural gas service to residential, commercial, industrial, public authority, or any other type of customers which might otherwise receive natural gas from Company. In the event that such Customer desires to continue to receive natural gas service from Company and/or declines to allow Company to remove Company's facilities hitherto used to provide natural gas service to Customer, then Customer shall be obligated to take service under Rate SGSS.

Company shall not be obligated to make modifications or additions to its gas system to serve loads under this rate schedule.

Company may decline to serve customers using gas to generate electricity in standby or other applications under this rate schedule.

Customers shall be classified as commercial or industrial in accordance with the definitions set forth in either Rate CGS or Rate IGS, as applicable to customer's primary gas use.

RATE

For commercial customers, the following charges shall apply:

Basic Service Charge per month:	\$285.00 per delivery point
Plus a Demand Charge per Mcf of Monthly Billing Demand:	\$6.0400
Plus a Charge per Mcf:	
Distribution Charge	\$0.3600
Gas Supply Cost Component	<u>4.3618</u>
Total Charge per Mcf:	\$4.7218

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Standard Rate

SGSS Substitute Gas Sales Service

RATE (continued)

For industrial customers, the following charges shall apply:

Basic Service Charge per month:	\$750.00 per delivery point
Plus a Demand Charge per Mcf of Monthly Billing Demand:	\$10.90
Plus a Charge per Mcf:	
Distribution Charge	\$0.2992
Gas Supply Cost Component	<u>4.3618</u>
Total Charge per Mcf:	\$4.6610

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

MAXIMUM DAILY QUANTITY

Company shall provide firm natural gas sales service to Customer at a single Point of Delivery up to the Maximum Daily Quantity ("MDQ"). The MDQ for any Customer taking service under this rate schedule when it first becomes effective will be 70% of the highest daily volume projected by Company for the Customer in the forecasted test year used by Company in Case No. 2016-00371. For all other Customers taking service under this rate schedule, Customer and Company may mutually agree to establish the level of the MDQ; provided, however, that in the event that Customer and Company cannot agree upon the MDQ, then the level of the MDQ shall be equal to 70% of the highest daily volume used by Customer during the twelve (12) months prior to the date that Customer began receiving natural gas from another supplier with which Customer is physically connected; in the event that such daily gas usage is not available, then the MDQ shall be equal 70% of to the Customer's average daily use for the highest month's gas use in the twelve (12) months prior to the date that Customer began receiving natural gas from another supplier with which Customer is physically connected; in no case shall the MDQ be greater than 5,000 Mcf/day.

Service by Company to Customer in excess of the MDQ shall be provided by Company on an interruptible basis. The maximum hourly volume that Company shall be obligated to deliver to Customer shall not exceed 1/16th of the MDQ.

MONTHLY BILLING DEMAND

The Monthly Billing Demand shall be the greater of (1) the MDQ, (2) the highest daily volume of gas delivered during the current month, or (3) 70% of the highest daily volume of gas delivered during the previous eleven (11) monthly billing periods. The term "day" or "daily" shall mean the period of time corresponding to the gas day as observed by the Pipeline Transporter as adjusted for local time.

Regardless of the Monthly Billing Demand established by Customer, Company's obligation to provide firm natural gas sales service up to the MDQ shall be limited to the MDQ.

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P.S.C. Gas No. 11, Eighth Revision of Original Sheet No. 30.2
Canceling P.S.C. Gas No. 11, Seventh Revision of Original Sheet No. 30.2

Standard Rate

FT

Firm Transportation Service (Transportation Only)

RATE (continued)

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, 2017,
the Gas Cost True-Up Charge shall be:

\$0.0000 per Mcf for Bills Rendered On and After November 1, 2018

For customers electing service under Rate FT effective November 1, 2018,
the Gas Cost True-Up Charge shall be:

\$0.1442 per Mcf for Bills Rendered On and After November 1, 2018

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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P.S.C. Gas No. 11, Ninth Revision of Original Sheet No. 35.1
Canceling P.S.C. Gas No. 11, Eighth Revision of Original 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 per month:

If all of the customer's meters
have a capacity < 5000 cf/hr: \$165.00 per delivery point

If any of the customer's meters
have a capacity ≥ 5000 cf/hr: \$750.00 per delivery point

Plus a Demand Charge per 100 cubic feet of Monthly Billing Demand: \$1.08978

Plus a Charge per 100 cubic feet:

Distribution Charge	\$0.02992
Gas Supply Cost Component	<u>0.43618</u>
Total Charge per 100 cubic feet:	\$0.46610

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 Demand Charge and the 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
Tax Cuts and Jobs Act Surcredit	Sheet No. 89
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. 11, Seventh Revision of Original Sheet No. 51.1
Canceling P.S.C. Gas No. 11, Sixth Revision of Original 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 7 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, or any and all charges billed by Company under the applicable sales rate to which this service is a rider, including, the basic service charge, any demand charges, any adjustment clauses, or the like, the following charges shall apply:

Administrative Charge per month: \$550.00 per Delivery Point

	CGS	IGS	AAGS	DGGS
Distribution Charge Per Mcf	\$2.5133	\$2.1929	\$1.0644	\$0.2992
Pipeline Supplier's Demand Component	0.8381	0.8381	0.8381	0.8381
Total	\$3.3514	\$3.0310	\$1.9025	\$1.1373

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Louisville Gas and Electric Company

P.S.C. Gas No. 11, Eighth Revision of Original Sheet No. 51.2
Canceling P.S.C. Gas No. 11, Seventh Revision of Original 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, 2017,
the Gas Cost True-Up Charge shall be:

\$0.0000 per Mcf for Bills Rendered On and After November 1, 2018

For customers electing service under Rider TS-2 effective November 1, 2018,
the Gas Cost True-Up Charge shall be:

\$0.1442 per Mcf for Bills Rendered On and After November 1, 2018

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. 11, Eighth Revision of Original Sheet No. 85
Canceling P.S.C. Gas No. 11, Seventh Revision of Original Sheet No. 85

Adjustment Clause

GSC
Gas Supply Clause

APPLICABLE TO

All gas sold.

GAS SUPPLY COST COMPONENT (GSCC)

Gas Supply Cost	\$0.37871	R
Gas Cost Actual Adjustment (GCAA)	0.05148	I
Gas Cost Balance Adjustment (GCBA)	-0.00036	I
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 (PBRRC)	<u>0.00635</u>	
Total Gas Supply Cost Component Per 100 Cubic Feet (GSCC)	\$0.43618	I

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LOUISVILLE GAS AND ELECTRIC COMPANY

**Derivation of Gas Supply Component Applicable to
Service Rendered On and After May 1, 2019**

2019-00078

Gas Supply Cost - See Exhibit A for Detail					
Line No.	Description	Unit	Amount	\$/Mcf	\$/Ccf
1	Total Expected Gas Supply Cost	\$	10,765,506		
2	Total Expected Customer Deliveries: May 1, 2019 through July 31, 2019	Mcf	2,842,643		
3	Gas Supply Cost			3.7871	0.37871

Gas Cost Actual Adjustment (GCAA) - See Exhibit B for Detail					
	Description		Case No.	\$/Mcf	\$/Ccf
4	Current Quarter Actual Adjustment	Eff. May 1, 2019	2018-00302	0.4305	0.04305
5	Previous Quarter Actual Adjustment	Eff. February 1, 2019	2018-00182	(0.0333)	(0.00333)
6	2nd Previous Qrt. Actual Adjustment	Eff. November 1, 2018	2018-00088	(0.0325)	(0.00325)
7	3rd Previous Qrt. Actual Adjustment	Eff. August 1, 2018	2017-00457	0.1501	0.01501
8	Total Gas Cost Actual Adjustment (GCAA)			0.5148	0.05148

Gas Cost Balance Adjustment (GCBA) - See Exhibit C for Detail					
	Description			\$/Mcf	\$/Ccf
9	Gas Cost Balance Adjustment (GCBA)			(0.0036)	(0.00036)

Refund Factors (RF) - See Exhibit D for Detail					
	Description			\$/Mcf	\$/Ccf
10	Current Quarter Refund Factor	Eff. May 1, 2019		0.0000	0.00000
11	1st Previous Quarter Refund Factor	Eff. February 1, 2019		0.0000	0.00000
12	2nd Previous Quarter Refund Factor	Eff. November 1, 2018		0.0000	0.00000
13	3rd Previous Quarter Refund Factor	Eff. August 1, 2018		0.0000	0.00000
14	Total Refund Factors Per 100 Cubic Feet			0.0000	0.00000

Performance-Based Rate Recovery Component (PBRR) - See Exhibit E for Detail					
	Description			\$/Mcf	\$/Ccf
15	Performance-Based Rate Recovery Component (PBRR)			0.0635	0.00635

Gas Supply Cost Component (GSCC) Effective May 1, 2019					
	Description			\$/Mcf	\$/Ccf
16	Gas Supply Cost			3.7871	0.37871
17	Gas Cost Actual Adjustment (GCAA)			0.5148	0.05148
18	Gas Cost Balance Adjustment (GCBA)			(0.0036)	(0.00036)
19	Refund Factors (RF)			0.0000	0.00000
20	Performance-Based Rate Recovery Component (PBRR)			0.0635	0.00635
21	Total Gas Supply Cost Component (GSCC)			4.3618	0.43618

LOUISVILLE GAS AND ELECTRIC COMPANY
Calculation of Gas Supply Costs
For the Three-Month Period From May 1, 2019 thru July 31, 2019

<u>Line No.</u>	<u>MMBtu</u>	<u>May-2019</u>	<u>Jun-2019</u>	<u>Jul-2019</u>	<u>Total</u>
1	Expected Gas Supply Transported Under Texas' No-Notice Service (South-to-North)	976,789	819,013	1,419,188	3,214,990
2	Expected Gas Supply Transported Under Texas' Rate FT (North-to-South)	849,300	1,660,900	1,846,000	4,356,200
3	Expected Gas Supply Transported Under Tenn.'s Rate FT-A (Zone 0-2)	0	600,000	620,000	1,220,000
4	Total MMBtu Purchased	<u>1,826,089</u>	<u>3,079,913</u>	<u>3,885,188</u>	<u>8,791,190</u>
5	Plus: Withdrawals from Texas Gas' NNS Storage Service	0	0	0	0
6	Less: Injections into Texas Gas' NNS Storage Service	694,600	664,100	0	1,358,700
7	Expected Monthly Deliveries from TGT/TGPL to LG&E (excluding transportation volumes under LG&E Rider TS-2)	<u>1,131,489</u>	<u>2,415,813</u>	<u>3,885,188</u>	<u>7,432,490</u>
<u>Mcf</u>					
8	Total Purchases in Mcf	1,714,638	2,891,937	3,648,064	
9	Plus: Withdrawals from Texas Gas' NNS Storage Service	0	0	0	
10	Less: Injections Texas Gas' NNS Storage Service	652,207	623,568	0	
11	Expected Monthly Deliveries from TGT/TGPL to LG&E (excluding transportation volumes under LG&E Rider TS-2)	<u>1,062,431</u>	<u>2,268,369</u>	<u>3,648,064</u>	
12	Plus: Customer Transportation Volumes under Rider TS-2	32,358	40,554	42,084	
13	Total Expected Monthly Deliveries from TGT/TGPL to LG&E (Line 11 + Line 12)	<u>1,094,789</u>	<u>2,308,923</u>	<u>3,690,148</u>	
14	Less: Purchases for Depts. Other Than Gas Dept.	101	992	1,043	
15	Less: Purchases Injected into LG&E's Underground Storage	0	1,434,772	2,899,907	
16	Mcf Purchases Expensed during Month (Line 11 - Line 14 - Line 15)	<u>1,062,330</u>	<u>832,605</u>	<u>747,114</u>	2,642,049
17	LG&E's Storage Inventory - Beginning of Month	2,850,000	2,650,000	4,053,000	
18	Plus: Storage Injections into LG&E's Underground Storage (Line 15)	0	1,434,772	2,899,907	
19	LG&E's Storage Inventory - Including Injections	<u>2,850,000</u>	<u>4,084,772</u>	<u>6,952,907</u>	
20	Less: Storage Withdrawals from LG&E's Underground Storage	167,608	0	0	167,608
21	Less: Storage Losses	32,392	31,772	42,907	107,071
22	LG&E's Storage Inventory - End of Month	<u>2,650,000</u>	<u>4,053,000</u>	<u>6,910,000</u>	
23	Mcf of Gas Supply Expensed during Month (Line 16 + Line 20 + Line 21)	<u>1,262,330</u>	<u>864,377</u>	<u>790,021</u>	2,916,728
<u>Cost</u>					
24	Total Demand Cost - Including Transportation (Line 13 x Line 44)	\$894,990	\$1,887,545	\$3,016,696	
25	Less: Demand Cost Recovered thru Rate TS-2 (Line 12 x Line 44)	26,453	33,153	34,404	
26	Demand Cost - Net of Demand Costs Recovered thru LG&E Rider TS-2	<u>\$868,537</u>	<u>\$1,854,392</u>	<u>\$2,982,292</u>	
27	Commodity Costs - Gas Supply Under NNS (South-to-North) (Line 1 x Line 45)	2,696,524	2,303,392	4,069,380	
28	Commodity Costs - Gas Supply Under Rate FT (North-to-South) (Line 2 x Line 46)	2,228,818	4,443,738	5,039,211	
29	Commodity Costs - Gas Supply Under Rate FT-A (Zone 0-2) (Line 3 x Line 47)	0	1,658,100	1,746,850	
30	Total Purchased Gas Cost	<u>\$5,793,879</u>	<u>\$10,259,622</u>	<u>\$13,837,733</u>	\$29,891,234
31	Plus: Withdrawals from NNS Storage (Line 5 x Line 45)	0	0	0	0
32	Less: Purchases Injected into NNS Storage (Line 6 x Line 45)	1,917,513	1,867,715	0	3,785,228
33	Total Cost of Gas Delivered to LG&E	<u>\$3,876,366</u>	<u>\$8,391,907</u>	<u>\$13,837,733</u>	\$26,106,006
34	Less: Purchases for Depts. Other Than Gas Dept. (Line 14 x Line 48)	369	3,670	3,956	7,995
35	Less: Purchases Injected into LG&E's Storage (Line 15 x Line 48)	0	5,307,939	10,999,927	16,307,866
36	Pipeline Deliveries Expensed During Month	<u>\$3,875,997</u>	<u>\$3,080,298</u>	<u>\$2,833,850</u>	\$9,790,145
37	LG&E's Storage Inventory - Beginning of Month	\$10,032,285	\$9,328,265	\$14,522,362	
38	Plus: LG&E Storage Injections (Line 35 above)	0	5,307,939	10,999,927	
39	LG&E's Storage Inventory - Including Injections	<u>\$10,032,285</u>	<u>\$14,636,204</u>	<u>\$25,522,289</u>	
40	Less: LG&E Storage Withdrawals (Line 20 x Line 49)	589,997	0	0	\$589,997
41	Less: LG&E Storage Losses (Line 21 x Line 49)	114,023	113,842	157,499	385,364
42	LG&E's Storage Inventory - End of Month	<u>\$9,328,265</u>	<u>\$14,522,362</u>	<u>\$25,364,790</u>	
43	Gas Supply Expenses (Line 36 + Line 40 + Line 41)	<u>\$4,580,017</u>	<u>\$3,194,140</u>	<u>\$2,991,349</u>	<u>\$10,765,506</u>
<u>Unit Cost</u>					
44	12-Month Average Demand Cost - per Mcf (see Page 2)	\$0.8175	\$0.8175	\$0.8175	
45	Commodity Cost (per MMBtu) under Texas Gas's No-Notice Service (South-to-North)	\$2.7606	\$2.8124	\$2.8674	
46	Commodity Cost (per MMBtu) under Texas Gas's Rate FT (North-to-South)	\$2.6243	\$2.6755	\$2.7298	
47	Commodity Cost (per MMBtu) under Tenn. Gas's Rate FT-A (Zone 0-2)	\$2.7125	\$2.7635	\$2.8175	
48	Average Cost of Deliveries (Line 33 / Line 11)	\$3.6486	\$3.6995	\$3.7932	
49	Average Cost of Inventory - Including Injections (Line 39 / Line 19)	\$3.5201	\$3.5831	\$3.6707	
<u>Gas Supply Cost</u>					
50	Total Expected Mcf Deliveries (Sales) to Customers May 1, 2019 through July 31, 2019				2,842,643 Mcf
51	Current Gas Supply Cost (Line 43 / Line 50)				<u>\$3.7871</u> / 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)	\$5.0356	20,000	12	1,208,544
4	Long-Term Firm Contracts with Suppliers (Annualized)				5,377,091
5		Total Annual Demand Costs			\$27,884,437

Average Demand Cost per Mcf

6	Total Annual Demand Costs (Line 5)	\$27,884,437
7	Expected Annual Deliveries from Pipeline Transporters in Mcf (incl Rider TS-2)	34,108,024
8		Average Demand Cost per Mcf (Line 6 / Line 7)
		\$0.8175

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

9	Average Demand Cost (Line 8)	\$0.8175
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)	0.0206
12		PSDC Charge per Mcf
		\$0.8381

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

13	Total Annual Demand Costs (Line 5)	\$27,884,437
14	Design Day Requirements in Mcf (determined in last rate case)	463,613
15		UCDI Charge (Line 13/Line 14/365 days)
		\$0.1648

LOUISVILLE GAS AND ELECTRIC COMPANY

Gas Supply Clause: 2019-00078

Gas Supply Cost Effective May 1, 2019

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, 2018, 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 May 1, 2019. 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, 2018, 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 May 1, 2019. 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 negotiated rate 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, 2018, TGPL submitted tariff sheets in FERC Docket No. RP15-990-2 to be effective on November 1, 2018, pursuant to the Stipulation and Agreement (“S&A”) dated May 15, 2015. The 2015 S&A was approved by FERC Order dated July 1, 2015. The 2015 S&A provides for a three (3) percent rate reduction from Tennessee’s rates in effect on June 1, 2015, effective on November 1, 2015, and for subsequent rate reductions of an additional two (2) percent effective on November 1, 2018, and if certain conditions are met, for two additional rate reductions of one (1) percent each, effective on November 1, 2020, and November 1, 2022. These September 27, 2018, tariff sheets also incorporate the 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 and filed by TGPL on September 26, 2018, in FERC Docket No. RP18-1223 also to become effective November 1, 2018.

Effective October 1, 2018, 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 May 1, 2019. 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 \$15.2714/MMBtu, and (b) a commodity charge of \$0.0395/MMBtu.

The rates applicable to service under this discounted rate agreement result in a monthly demand charge of \$5.0356/MMBtu and an annual volumetric throughput charge (“commodity charge”) of \$0.0395/MMBtu for deliveries from Zone 0 to Zone 2.

Gas Supply Costs

The average New York Mercantile Exchange (“NYMEX”) natural gas futures closes for March 20, 2019, through March 22, 2019, are \$2.806/MMBtu for May, \$2.857/MMBtu for June, and \$2.911/MMBtu for July. The average of the NYMEX close for these three 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 22% lower compared to the same period one year ago;¹
- 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 natural gas or 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.

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 \$2.6520 per MMBtu for May, \$2.7030 per MMBtu for June, and \$2.7570 per MMBtu for July. 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 \$2.5730 per MMBtu for May, \$2.6240 per MMBtu for June, and \$2.6780 per MMBtu for July. 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 \$2.6730 per MMBtu for May, \$2.7240 per MMBtu for June, and \$2.7780 per MMBtu for July.

During the three-month period under review, May 1, 2019, through August 31, 2019, LG&E estimates that its total purchases will be 7,432,490 MMBtu. LG&E expects that 1,856,290 MMBtu will be met with deliveries from TGT's pipeline service under Rate NNS (3,214,990 MMBtu in pipeline south-to-north deliveries plus 0 in storage withdrawals less 1,358,700 in storage injections); 4,356,200 MMBtu from north-to-south deliveries under TGT's pipeline service under Rate FT; 1,220,000 MMBtu will be met from deliveries under TGPL's pipeline service under Rate FT-A from Zone 0.

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.

¹ The weekly gas storage survey issued by the Energy Information Administration ("EIA") for the week ending March 15, 2019, indicated that storage inventory levels were 22% lower than last year's levels. Storage inventories across the nation are 315 Bcf (1,143 Bcf – 1,458 Bcf), or 22%, lower this year than the same period one year ago. Last year at this time, 1,458 Bcf was held in storage, while this year 1,143 Bcf is held in storage. Storage inventories across the nation are 556 Bcf (1,143 Bcf – 1,699 Bcf), or 33%, lower this year than the five-year average. On average for the last five years at this time, 1,699 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>
May 2019	\$2.6520	1.70%	\$0.0627	\$2.7606
June 2019	\$2.7030	1.70%	\$0.0627	\$2.8124
July 2019	\$2.7570	1.70%	\$0.0627	\$2.8674

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>
May 2019	\$2.5730	0.54%	\$0.0373	\$2.6243
June 2019	\$2.6240	0.54%	\$0.0373	\$2.6755
July 2019	\$2.6780	0.54%	\$0.0373	\$2.7298

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>
May 2019	\$2.6730	0.00%	\$0.0395	\$2.7125
June 2019	\$2.7240	0.00%	\$0.0395	\$2.7635
July 2019	\$2.7780	0.00%	\$0.0395	\$2.8175

The annual demand billings covering the 12 months from May 1, 2019 through April 30, 2020, for the firm contracts with natural gas suppliers are currently expected to be \$5,377,091.

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 May 1, 2019 through July 31, 2019 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.

**Currently Effective Maximum Transportation Rates (\$ per MMBtu)
 For Service Under Rate Schedule NNS**

	Base Tariff Rates
Zone SL	
Daily Demand	0.1800
Commodity	0.0253
Overrun	0.2053
Zone 1	
Daily Demand	0.2782
Commodity	0.0431
Overrun	0.3213
Zone 2	
Daily Demand	0.3088
Commodity	0.0460
Overrun	0.3548
Zone 3	
Daily Demand	0.3543
Commodity	0.0490
Overrun	0.4033
Zone 4	
Daily Demand	0.4190
Commodity	0.0614
Overrun	0.4804

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 Rate: Demand \$-0-; Commodity - Zone SL 0.0163
 Zone 1 0.0186
 Zone 2 0.0223
 Zone 3 0.0262
 Zone 4 0.0308

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.

**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.

**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

Thirteenth Revised Sheet No. 14
 Superseding
 Twelfth Revised Sheet No. 14

RATES PER DEKATHERM

FIRM TRANSPORTATION RATES
 RATE SCHEDULE FOR FT-A

Base Reservation Rates	RECEIPT ZONE	DELIVERY ZONE							
		0	L	1	2	3	4	5	6
	0	\$5.4269		\$11.3406	\$15.2546	\$15.5246	\$17.0584	\$18.1067	\$22.7176
	L		\$4.8178						
	1	\$8.1697		\$7.8313	\$10.4219	\$14.7637	\$14.5399	\$16.3977	\$20.1633
	2	\$15.2547		\$10.3593	\$5.3879	\$5.0367	\$6.4446	\$8.8638	\$11.4421
	3	\$15.5246		\$8.2056	\$5.4314	\$3.9184	\$6.0190	\$10.8858	\$12.5789
	4	\$19.7110		\$18.1718	\$6.9250	\$10.5240	\$5.1514	\$5.5711	\$7.9589
	5	\$23.5025		\$16.5148	\$7.2643	\$8.7898	\$5.7227	\$5.3680	\$6.9882
	6	\$27.1880		\$18.9685	\$13.0548	\$14.3818	\$10.1587	\$5.3443	\$4.6263

Daily Base Reservation Rate 1/	RECEIPT ZONE	DELIVERY ZONE							
		0	L	1	2	3	4	5	6
	0	\$0.1784		\$0.3728	\$0.5015	\$0.5104	\$0.5608	\$0.5953	\$0.7469
	L		\$0.1584						
	1	\$0.2686		\$0.2575	\$0.3426	\$0.4854	\$0.4780	\$0.5391	\$0.6629
	2	\$0.5015		\$0.3406	\$0.1771	\$0.1656	\$0.2119	\$0.2914	\$0.3762
	3	\$0.5104		\$0.2698	\$0.1786	\$0.1288	\$0.1979	\$0.3579	\$0.4136
	4	\$0.6480		\$0.5974	\$0.2277	\$0.3460	\$0.1694	\$0.1832	\$0.2617
	5	\$0.7727		\$0.5430	\$0.2388	\$0.2890	\$0.1881	\$0.1765	\$0.2297
	6	\$0.8939		\$0.6236	\$0.4292	\$0.4728	\$0.3340	\$0.1757	\$0.1521

Maximum Reservation Rates 2/, 3/	RECEIPT ZONE	DELIVERY ZONE							
		0	L	1	2	3	4	5	6
	0	\$5.4437		\$11.3574	\$15.2714	\$15.5414	\$17.0752	\$18.1235	\$22.7344
	L		\$4.8346						
	1	\$8.1865		\$7.8481	\$10.4387	\$14.7805	\$14.5567	\$16.4145	\$20.1801
	2	\$15.2715		\$10.3761	\$5.4047	\$5.0535	\$6.4614	\$8.8806	\$11.4589
	3	\$15.5414		\$8.2224	\$5.4482	\$3.9352	\$6.0358	\$10.9026	\$12.5957
	4	\$19.7278		\$18.1886	\$6.9418	\$10.5408	\$5.1682	\$5.5879	\$7.9757
	5	\$23.5193		\$16.5316	\$7.2811	\$8.8066	\$5.7395	\$5.3848	\$7.0050
	6	\$27.2048		\$18.9853	\$13.0716	\$14.3986	\$10.1755	\$5.3611	\$4.6431

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 \$0.0168.

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

Fifteenth Revised Sheet No. 15
 Superseding
 Fourteenth 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	\$0.2613	\$0.2494	\$0.2968
L		\$0.0012						
1	\$0.0042		\$0.0081	\$0.0147	\$0.0179	\$0.2222	\$0.2266	\$0.2587
2	\$0.0167		\$0.0087	\$0.0012	\$0.0028	\$0.0719	\$0.1153	\$0.1278
3	\$0.0207		\$0.0169	\$0.0026	\$0.0002	\$0.0961	\$0.1330	\$0.1452
4	\$0.0250		\$0.0205	\$0.0087	\$0.0105	\$0.0445	\$0.0629	\$0.1019
5	\$0.0284		\$0.0256	\$0.0100	\$0.0118	\$0.0526	\$0.0520	\$0.0770
6	\$0.0346		\$0.0300	\$0.0143	\$0.0163	\$0.0963	\$0.0522	\$0.0317

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	\$0.0038		\$0.0121	\$0.0183	\$0.0225	\$0.2619	\$0.2500	\$0.2974
L		\$0.0018						
1	\$0.0048		\$0.0087	\$0.0153	\$0.0185	\$0.2228	\$0.2272	\$0.2593
2	\$0.0173		\$0.0093	\$0.0018	\$0.0034	\$0.0725	\$0.1159	\$0.1284
3	\$0.0213		\$0.0175	\$0.0032	\$0.0008	\$0.0967	\$0.1336	\$0.1458
4	\$0.0256		\$0.0211	\$0.0093	\$0.0111	\$0.0451	\$0.0635	\$0.1025
5	\$0.0290		\$0.0262	\$0.0106	\$0.0124	\$0.0632	\$0.0626	\$0.0776
6	\$0.0352		\$0.0306	\$0.0149	\$0.0169	\$0.0969	\$0.0528	\$0.0323

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 \$0.0006.

**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	1.57%
Middle	1.76%
North	1.70%

FT/STF/IT Rate Schedules

<u>Rec/Del Fuel Zone</u>	<u>EFRP</u>
South/South	0.86%
South/Middle	0.77%
South/North	1.32%
Middle/South	0.86%
Middle/Middle	0.27%
Middle/North	0.77%
North/South	1.41%
North/Middle	0.54%
North/North	0.54%

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

<u>Injection / Withdrawal</u>
1.01%

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

<u>Delivery Fuel Zone</u>	<u>EFRP</u>
South	0.52%
Middle	1.17%
North	0.81%

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

FUEL AND EPCR

F&LR 1/, 2/, 3/, 4/	RECEIPT ZONE	DELIVERY ZONE							
		0	L	1	2	3	4	5	6
	0	0.46%		1.71%	2.68%	3.32%	3.86%	4.36%	5.18%
	L		0.17%						
	1	0.62%		1.21%	2.17%	2.71%	3.25%	3.95%	4.51%
	2	2.61%		1.30%	0.16%	0.41%	0.88%	1.57%	2.18%
	3	3.32%		2.64%	0.41%	0.02%	1.27%	1.89%	2.52%
	4	3.86%		3.01%	1.29%	1.56%	0.43%	0.73%	1.35%
	5	4.56%		3.95%	1.57%	1.89%	0.72%	0.72%	0.95%
	6	5.46%		4.72%	2.18%	2.52%	1.26%	0.55%	0.21%

Broad Run Expansion Project – Market Component (Z3-Z1): 5/ 4.62%

EPCR 3/, 4/	RECEIPT ZONE	DELIVERY ZONE							
		0	L	1	2	3	4	5	6
	0	\$0.0033		\$0.0129	\$0.0199	\$0.0248	\$0.0299	\$0.0340	\$0.0408
	L		\$0.0011						
	1	\$0.0045		\$0.0090	\$0.0165	\$0.0202	\$0.0251	\$0.0307	\$0.0353
	2	\$0.0199		\$0.0097	\$0.0010	\$0.0029	\$0.0065	\$0.0118	\$0.0162
	3	\$0.0248		\$0.0202	\$0.0029	\$0.0000	\$0.0095	\$0.0140	\$0.0187
	4	\$0.0299		\$0.0231	\$0.0096	\$0.0117	\$0.0031	\$0.0054	\$0.0101
	5	\$0.0340		\$0.0307	\$0.0118	\$0.0140	\$0.0053	\$0.0052	\$0.0070
	6	\$0.0408		\$0.0353	\$0.0162	\$0.0187	\$0.0094	\$0.0040	\$0.0014

Broad Run Expansion Project – Market Component (Z3-Z1): 5/ \$0.0308

- 1/ Included in the above F&LR is the Losses component of the F&LR equal to -0.04%.
- 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 0.00%.
- 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.
- 5/ The incremental F&LR and EPCR set forth above are applicable to a Shipper(s) utilizing capacity on the Broad Run Expansion Project – Market Component facilities, from any receipt point(s) to any delivery point(s) located on the project's transportation path. Any service provided to a Shipper(s) outside the project's transportation path shall be subject to the greater of the incremental F&LR and EPCR for the project or the applicable F&LR and EPCR for the applicable receipt(s) and delivery point(s) as shown in the rate matrices above. Included in the above F&LR is the Losses component of the F&LR equal to -0.04%.

LOUISVILLE GAS AND ELECTRIC COMPANY**Gas Supply Clause: 2019-00078****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 under-recovery from Case Number 2018-00302 during the three-month period of November 1, 2018 through January 31, 2019 was \$13,470,456. The calculation of the Gas Cost Actual Adjustment (GCAA) set forth in Exhibit B-1 results in a cost of \$0.04305 per 100 cubic feet, which LG&E will place in effect with service rendered on and after May 1, 2019 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 November 2018 through January 2019. [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 2017-00364 which, with service rendered through April 30, 2019, 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 August 1, 2019.

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

Current Quarter Actual Adjustment:	
Effective May 1, 2019 from 2018-00302	0.04305 \$/Ccf
Previous Quarter Actual Adjustment:	
Effective February 1, 2019 from 2018-00182	(0.00333) \$/Ccf
2 nd Previous Quarter Actual Adjustment:	
Effective November 1, 2018 from 2018-00088	(0.00325) \$/Ccf
3 rd Previous Quarter Actual Adjustment:	
Effective August 1, 2018 from 2017-00457	0.01501 \$/Ccf
Total Gas Cost Actual Adjustment (GCAA)	0.05148 \$/Ccf

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 May 1, 2019

Line No.	Recovery Period	Case Number	Total Dollars of Gas Cost Recovered ¹	Gas Supply Cost Per Books ²	(Over)/Under Recovery
(1)	(2)	(3)	(4)	(5)	(6)=(5)-(4)
1	Nov-2018	2018-00302	\$6,670,776	\$19,504,148	\$12,833,372
2	Dec-2018	2018-00302	\$18,561,338	\$24,643,517	\$6,082,179
3	Jan-2019	2018-00302	\$20,342,825	\$26,351,918	\$6,009,093
4	Feb-2019	(Note 3)	\$11,454,188	\$0	(\$11,454,188)
5			\$57,029,127	\$70,499,583	\$13,470,456
6		(Over)/Under Recovery	\$13,470,456		
7		Expected Mcf Sales for			
8		12-Month Period from Date Implemented	31,291,064		
9		GCAA Factor per Mcf	\$0.4305		
10		GCAA Factor per Ccf	\$0.04305		

¹ See Page 2 of this Exhibit.

² See Page 5 of this Exhibit.

³ Current sales included in meter readings for prior month.

LOUISVILLE GAS AND ELECTRIC COMPANY
Calculation of Gas Costs Recovered
Under Company's Gas Supply Clause
For Service Rendered On and After May 1, 2019

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	Nov-2018	Prorated	2018-00302	2,736,023.9 ¹	1,568,470.4 ²	\$3.8913	\$0	\$6,103,389
2	Dec-2018		2018-00302	4,747,676.1	4,747,676.1	\$3.8913	\$0	\$18,474,632
3	Jan-2019		2018-00302	5,209,144.6	5,209,144.6	\$3.8913	\$0	\$20,270,344
4	Feb-2019	Prorated	2018-00302	5,879,594.9 ¹	2,943,537.6 ²	\$3.8913		\$11,454,188
5					14,468,828.7		\$0	\$56,302,553
		\$ Recovered ³ Under Rider TS- 2	\$ Recovered ⁴ Under Rate FT	\$ from OSS	Total \$ Recovered (13)=(9)+(10)+(11) +(12)			
		(10)	(11)	(12)				
6	Nov-2018	\$34,986	\$76,901	\$455,500	\$6,670,776			
7	Dec-2018	\$23,664	\$63,042	\$0	\$18,561,338			
8	Jan-2019	\$9,783	\$62,698	\$0	\$20,342,825			
9	Feb-2019				\$11,454,188			
10		\$68,433	\$202,641	\$455,500	\$57,029,127			

¹ For information purposes only, volumes will be prorated.

² Portion of month billed at rate effective this quarter.

³ See Page 3 of this Exhibit.

⁴ See Page 4 of this Exhibit.

LOUISVILLE GAS AND ELECTRIC COMPANY

Summary of Gas Costs Recovered

Under Provisions of Rider TS-2

For Service Rendered On and After May 1, 2019

Line No.	Recovery Period	Case Number	Mcf Transported Under Rider TS-2	PSDC Per Mcf	PSDC Revenue Collected from TS-2 Customers	Rider TS-2 Gas True-Up Charge Revenue	MMBtu Adjust. (Mcf)	MMBtu Adjust. (\$)	Cash-Out Sales (Mcf)	Cash-Out Sales (\$)	AAGS TS-2 Interruption Penalty	Action Alert \$	Monthly \$'s 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	Nov-2018	2018-00302	42,525.0	\$0.8138	\$34,607	\$216	52.0	\$163	0	\$0	\$0	\$0	\$34,986
2	Dec-2018	2018-00302	29,030.4	\$0.8138	\$23,625	\$39	0.0	\$0	0	\$0	\$0	\$0	\$23,664
3	Jan-2019	2018-00302	12,021.1	\$0.8138	\$9,783	\$0	0.0	\$0	0	\$0	\$0	\$0	\$9,783
4	Total Amount to Transfer to Exhibit B-1, Page 2												\$68,433

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 May 1, 2019

Line No.	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)
1	Nov-2018	2018-00302	\$0.1648	394.8	\$1,854	620.0	\$2,290	85,529.9	\$14,095	\$56,989	\$1,671	\$76,901
2	Dec-2018	2018-00302	\$0.1648	11,229.5	\$52,110	-	\$0	56,310.6	\$9,280	\$0	\$1,651	\$63,042
3	Jan-2019	2018-00302	\$0.1648	6,488.9	\$24,138	-	\$0	122,570.6	\$20,200	\$15,631	\$2,728	\$62,698
4	Total Amount to Transfer to Exhibit B-1, Page 2											\$202,641

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 NOVEMBER 2018 THROUGH JANUARY 2019

DELIVERED BY TEXAS GAS TRANSMISSION, LLC

		NOVEMBER 2018			DECEMBER 2018			JANUARY 2019		
		NET MMBTU	MCF	\$	NET MMBTU	MCF	\$	NET MMBTU	MCF	\$
NATURAL GAS SUPPLIES:										
1 .	A	600,000	563,380	\$2,000,790.48	150,000	140,845	\$842,579.56	75,000	70,423	\$401,361.88
2 .	B	208,866	196,118	\$820,725.00	49,730	46,695	\$220,200.00	243,677	228,805	\$756,500.00
3 .	C	(100,000)	(93,897)	(\$455,500.00)	0	0	\$0.00	0	0	\$0.00
4 .	D	0	0	\$0.00	0	0	\$0.00	24,575	23,075	\$73,000.00
5 .	E	0	0	\$0.00	0	0	\$239.06	0	0	\$0.00
6 .	F	745,950	700,423	\$2,465,250.00	770,815	723,769	\$3,055,875.00	745,950	700,422	\$2,404,000.00
7 .	G	750,000	704,225	\$2,457,494.16	775,000	727,700	\$3,087,381.22	775,000	727,700	\$2,452,344.18
8 .	H	202,745	190,371	\$787,616.53	0	0	\$7,285.00	164,500	154,460	\$505,155.87
9 .	I	0	0	\$0.00	0	0	\$3,642.50	70,500	66,197	\$214,140.92
10 .	J	0	0	\$0.00	0	0	\$3,875.00	221,175	207,676	\$673,625.00
11 .	K	601,700	564,977	\$1,998,889.56	150,000	140,845	\$840,635.58	75,000	70,423	\$399,421.14
12 .	L	179,028	168,101	\$672,400.00	119,352	112,068	\$506,100.00	258,596	242,813	\$803,900.00
SUBTOTAL		3,188,289	2,993,698	\$10,747,665.73	2,014,897	1,891,922	\$8,567,812.92	2,653,973	2,491,994	\$8,683,448.99
NO-NOTICE SERVICE ("NNS") STORAGE:										
1 .	WITHDRAWALS	519,377	487,678	\$1,654,319.62	509,086	478,015	\$2,070,554.58	545,414	512,126	\$1,670,821.25
2 .	INJECTIONS	(105,040)	(98,629)	(\$334,573.41)	(190,118)	(178,515)	(\$773,247.93)	(148,215)	(139,169)	(\$454,041.83)
3 .	ADJUSTMENTS	0	(111)	\$0.00	0	3,140	\$0.00	0	2,182	\$0.00
4 .	ADJUSTMENTS	0	0	\$0.00	0	0	(\$0.03)	0	0	\$0.00
NET NNS STORAGE ACTIVITY		414,337	388,938	\$1,319,746.21	318,968	302,640	\$1,297,306.62	397,199	375,139	\$1,216,779.42
NATURAL GAS TRANSPORTATION: COMMODITY AND VOLUMETRIC CHARGES:										
1 .	TEXAS GAS TRANSMISSION, LLC			\$197,085.01			\$122,459.95			\$159,603.62
2 .	ADJUSTMENTS	0	(1,731)	(\$0.05)	0	24,996	(\$0.05)	0	15,084	(\$0.11)
3 .	ADJUSTMENTS	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
4 .	HYBRID FUEL	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
5 .	ADJUSTMENTS	0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
SUBTOTAL		0	(1,731)	\$197,084.96	0	24,996	\$122,459.90	0	15,084	\$159,603.51
DEMAND AND FIXED CHARGES:										
1 .	TEXAS GAS TRANSMISSION, LLC			\$2,571,513.00			\$2,657,230.10			\$2,657,230.10
2 .	ADJUSTMENTS			\$0.00			\$0.00			\$0.00
3 .	ADJUSTMENTS			\$0.00			\$0.00			\$0.00
4 .	CAPACITY RELEASE CREDITS			\$0.00			\$0.00			\$0.00
5 .	ADJUSTMENTS			\$0.00			\$0.00			\$0.00
SUBTOTAL				\$2,571,513.00			\$2,657,230.10			\$2,657,230.10
TOTAL PURCHASED GAS COSTS -- TEXAS GAS TRANSMISSION, LLC		3,602,626	3,380,905	\$14,836,009.90	2,333,865	2,219,558	\$12,644,809.54	3,051,172	2,882,217	\$12,717,062.02

LOUISVILLE GAS AND ELECTRIC COMPANY
SUMMARY OF GAS PURCHASES AND COSTS BY SUPPLIER
FOR THE 3 MONTH PERIOD FROM NOVEMBER 2018 THROUGH JANUARY 2019

DELIVERED BY TENNESSEE GAS PIPELINE COMPANY, LLC

	NOVEMBER 2018			DECEMBER 2018			JANUARY 2019			
	NET MMBTU	MCF	\$	NET MMBTU	MCF	\$	NET MMBTU	MCF	\$	
NATURAL GAS SUPPLIES:										
1 .	M	600,000	563,380	\$1,960,959.00	620,000	582,160	\$2,439,136.70	620,000	582,160	\$1,925,123.20
2 .	N	330,000	309,859	\$1,369,150.00	200,000	187,793	\$913,750.00	375,000	352,113	\$1,174,375.00
3 .	O	70,000	65,728	\$314,350.00	90,000	84,507	\$385,225.00	130,000	122,066	\$413,225.00
SUBTOTAL		1,000,000	938,967	\$3,644,459.00	910,000	854,460	\$3,738,111.70	1,125,000	1,056,339	\$3,512,723.20
NATURAL GAS TRANSPORTATION:										
COMMODITY AND VOLUMETRIC CHARGES:										
1 .				\$11,400.00			\$11,780.00			\$11,780.00
2 .				\$13,980.00			\$14,446.00			\$14,446.00
3 .				\$360.00			\$372.00			\$372.00
4 .	ADJUSTMENTS	(196)	(1,338)	(\$81.26)	(369)	(3,838)	(\$134.24)	(73)	744	(\$1,030.37)
5 .	ADJUSTMENTS	0	0	(\$7,663.06)	0	0	\$0.00	0	0	\$0.00
SUBTOTAL		(196)	(1,338)	\$17,995.68	(369)	(3,838)	\$26,463.76	(73)	744	\$25,567.63
DEMAND AND FIXED CHARGES:										
1 .	TENNESSEE GAS PIPELINE COMPANY, LLC			\$100,712.00			\$100,712.00			\$100,712.00
2 .	ADJUSTMENTS			\$0.00			\$0.00			\$0.00
3 .	ADJUSTMENTS			\$0.00			\$0.00			\$0.00
4 .	CAPACITY RELEASE CREDITS			\$0.00			\$0.00			\$0.00
5 .	ADJUSTMENTS			\$0.00			\$0.00			\$0.00
SUBTOTAL				\$100,712.00			\$100,712.00			\$100,712.00
TOTAL PURCHASED GAS COSTS – TENNESSEE GAS PIPELINE COMPANY, LLC		999,804	937,629	\$3,763,166.68	909,631	850,622	\$3,865,287.46	1,124,927	1,057,083	\$3,639,002.83
OTHER PURCHASES										
1 .	CASH-OUT OF CUSTOMER OVER-DELIVERIES		54,347	\$159,315.43		13,619	\$84,275.57		144,915	\$374,347.57
TOTAL			54,347	\$159,315.43		13,619	\$84,275.57		144,915	\$374,347.57
TOTAL PURCHASED GAS COSTS – ALL PIPELINES		4,602,430	4,372,881	\$18,758,492.01	3,243,496	3,083,799	\$16,594,372.57	4,176,099	4,084,215	\$16,730,412.42

LOUISVILLE GAS AND ELECTRIC COMPANY

Gas Supply Clause: 2019-00078

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 distributed via the Gas Cost Balance Adjustment (GCBA) during the period of May 1, 2019 through July 31, 2019, set forth on Page 1 of Exhibit C-1, is \$10,323. The GCBA factor required to distribute this over-recovery is a credit of \$0.00036 per 100 cubic feet. LG&E will place this credit into effect with service rendered on and after May 1, 2019 and continue for three months.

In this filing, LG&E will be eliminating the GCBA from Case 2018-00403, which, with service rendered through April 30, 2019, 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 August 1, 2019.

LOUISVILLE GAS AND ELECTRIC COMPANY
Calculation of Quarterly Gas Cost Balance Adjustment
For Service Rendered On and After May 1, 2019

Line No.	Factor	Remaining Balance
1	Remaining (Over)/Under Recovery From GCAA ¹	(\$7,930)
2	Remaining (Over)/Under Recovery From GCBA ²	(\$2,393)
3	Remaining (Under)/Over Refund From RA ³	\$0
4	Remaining (Over)/Under Recovery From PBRRC ⁴	\$0
5	Total Remaining (Over)/Under Recovery	(\$10,323)
6	Expected Mcf Sales for 3 Month Period ⁵	2,842,643
7	GCBA Factor Per Mcf	(\$0.0036)
8	GCBA Factor Per Ccf	(\$0.00036)

¹ See Exhibit C-1, page 2.

² See Exhibit C-1, page 3.

³ See Exhibit D. LG&E is not receiving any pipeline refunds at this time.

⁴ See Exhibit E-1, page 2. Only done for August filing.

⁵ 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 May 1, 2019

From Case No. 2017-00235

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	(\$1,602,628)	
2	Feb-18	Prorated	5,484,180.6	2,528,890.3	(\$0.0511)	(\$129,226)	(\$1,473,402)	
3	Mar-18		3,758,171.9	3,758,171.9	(\$0.0511)	(\$192,043)	(\$1,281,359)	
4	Apr-18		3,574,415.6	3,574,415.6	(\$0.0511)	(\$182,653)	(\$1,098,706)	
5	May-18		1,717,818.4	1,717,818.4	(\$0.0511)	(\$87,781)	(\$1,010,925)	
6	Jun-18		804,407.9	804,407.9	(\$0.0511)	(\$41,105)	(\$969,820)	
7	Jul-18		711,177.6	711,177.6	(\$0.0511)	(\$36,341)	(\$933,479)	
8	Aug-18		685,611.4	685,611.4	(\$0.0511)	(\$35,035)	(\$898,444)	
9	Sep-18		715,644.0	715,644.0	(\$0.0511)	(\$36,569)	(\$861,875)	
10	Oct-18		1,074,864.6	1,074,864.6	(\$0.0511)	(\$54,926)	(\$806,949)	
11	Nov-18		2,736,023.9	2,736,023.9	(\$0.0511)	(\$139,811)	(\$667,138)	
12	Dec-18		4,747,676.1	4,747,676.1	(\$0.0511)	(\$242,606)	(\$424,532)	
13	Jan-19		5,209,144.6	5,209,144.6	(\$0.0511)	(\$266,187)	(\$158,345)	
14	Feb-19	Prorated	5,879,594.9	2,943,537.6	(\$0.0511)	(\$150,415)	(\$7,930)	
15			Total Amount Recovered/(Refunded) During Period				(\$1,594,698)	
16			Remaining Balance to Transfer to Exhibit C-1, Page 1 of 3				(\$7,930)	

LOUISVILLE GAS AND ELECTRIC COMPANY
Revenue Collected Under the GCBA Factor
For Service Rendered On and After May 1, 2019

Case No. 2018-00302

Line No.	Recovery	Comments	Total Mcf Sales for Month	Sales Applicable	GCBA/Mcf Factor	Recovery/(Refund)	Balance Remaining
	Period			to GCBA Recovery		per Month	
	(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)	(7)=(Bal)-(6)
1						Beginning Balance	(\$44,353)
2	Nov-2018	Prorated	2,736,023.9	1,568,470.4	(\$0.0029)	(\$4,549)	(\$39,804)
3	Dec-2018		4,747,676.1	4,747,676.1	(\$0.0029)	(\$13,768)	(\$26,036)
4	Jan-2019		5,209,144.6	5,209,144.6	(\$0.0029)	(\$15,107)	(\$10,929)
5	Feb-2019	Prorated	5,879,594.9	2,943,537.6	(\$0.0029)	(\$8,536)	(\$2,393)
6			Total Amount Recovered/(Refunded) During Period			(\$41,960)	
7			Remaining Balance to Transfer to Exhibit C-1, Page 1 of 3			(\$2,393)	

LOUISVILLE GAS AND ELECTRIC COMPANY

Gas Supply Clause: 2019-00078

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: 2019-00078
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, 2019, and will remain in effect until January 31, 2020, is \$0.00635 and \$0.00206 per 100 cubic feet for sales and Rider TS-2 volumes, respectively:

	<u>Sales Volumes</u>	<u>Transportation Volumes</u>
Commodity-Related Portion	\$0.00429/Ccf	\$0.00000/Ccf
Demand-Related Portion	<u>\$0.00206/Ccf</u>	<u>\$0.00206/Ccf</u>
Total PBRRC	\$0.00635/Ccf	\$0.00206/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, 2019 with Gas Supply Clause Case No. 2018-00403
Shareholder Portion of PBR Savings
PBR Year 21

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)	\$1,342,802	\$653,930	\$1,996,732
2	Expected Mcf Sales for the 12 month period beginning February 1, 2019	31,318,247	31,738,929	
3	PBRRC factor per Mcf	\$0.0429	\$0.0206	\$0.0635
4	PBRRC factor per Ccf	\$0.00429	\$0.00206	\$0.00635

LOUISVILLE GAS AND ELECTRIC**Gas Supply Clause: 2019-00078
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, 2017 and November 1, 2018 is:

<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, 2017	\$0.0000/Mcf	\$0.0000/Mcf	\$0.0000/Mcf	\$0.0000/Mcf
November 1, 2018	\$0.0843/Mcf	(\$0.0036)/Mcf	\$0.0635/Mcf	\$0.1442/Mcf

LOUISVILLE GAS AND ELECTRIC COMPANY

Gas Supply Clause 2019-00078
 Gas Cost True-Up Charge Applicable to Customers
 Served Under Rate FT and Rider TS-2
 For Service Rendered On and After May 1, 2019

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, 2017	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2	November 1, 2018	\$0.0843	(\$0.0036)	\$0.0635	\$0.1442

LOUISVILLE GAS AND ELECTRIC COMPANY
GAS SERVICE RATES EFFECTIVE WITH SERVICE
RENDERED FROM
May 1, 2019 through July 31, 2019

	RATE PER 100 CUBIC FEET							TOTAL
	BASIC SERVICE CHARGE (PER MONTH)	GAS LINE TRACKER CHARGE (PER MONTH)	DEMAND CHARGE COMPONENT	DISTRIBUTION COST COMPONENT	GAS SUPPLY COST COMPONENT (GSCC)	DSM COST RECOVERY COMPONENT	GAS LINE TRACKER TRANSMISSION PROJECTS COMPONENT	
RATE RGS - RESIDENTIAL								
BASIC SERVICE CHARGE	\$16.35	\$0.60						
ALL CCF				\$0.36300	\$0.43618	\$0.00445	\$0.00547	\$0.80910
RATE CGS - COMMERCIAL (meter capacity < 5000 CF/HR)								
BASIC SERVICE CHARGE	\$60.00	\$2.99						
APRIL THRU OCTOBER								
FIRST 1000 CCF/MONTH				\$0.25133	\$0.43618	\$0.00085	\$0.00444	\$0.69280
OVER 1000 CCF/MONTH				\$0.20133	\$0.43618	\$0.00085	\$0.00444	\$0.64280
NOVEMBER THRU MARCH								
ALL CCF				\$0.25133	\$0.43618	\$0.00085	\$0.00444	\$0.69280
RATE CGS - COMMERCIAL (meter capacity >= 5000 CF/HR)								
BASIC SERVICE CHARGE	\$285.00	\$2.99						
APRIL THRU OCTOBER								
FIRST 1000 CCF/MONTH				\$0.25133	\$0.43618	\$0.00085	\$0.00444	\$0.69280
OVER 1000 CCF/MONTH				\$0.20133	\$0.43618	\$0.00085	\$0.00444	\$0.64280
NOVEMBER THRU MARCH								
ALL CCF				\$0.25133	\$0.43618	\$0.00085	\$0.00444	\$0.69280
RATE IGS - INDUSTRIAL (meter capacity < 5000 CF/HR)								
BASIC SERVICE CHARGE	\$165.00	\$37.67						
APRIL THRU OCTOBER								
FIRST 1000 CCF/MONTH				\$0.21929	\$0.43618	\$0.00000	\$0.00266	\$0.65813
OVER 1000 CCF/MONTH				\$0.16929	\$0.43618	\$0.00000	\$0.00266	\$0.60813
NOVEMBER THRU MARCH								
ALL CCF				\$0.21929	\$0.43618	\$0.00000	\$0.00266	\$0.65813
RATE IGS - INDUSTRIAL (meter capacity >= 5000 CF/HR)								
BASIC SERVICE CHARGE	\$750.00	\$37.67						
APRIL THRU OCTOBER								
FIRST 1000 CCF/MONTH				\$0.21929	\$0.43618	\$0.00000	\$0.00266	\$0.65813
OVER 1000 CCF/MONTH				\$0.16929	\$0.43618	\$0.00000	\$0.00266	\$0.60813
NOVEMBER THRU MARCH								
ALL CCF				\$0.21929	\$0.43618	\$0.00000	\$0.00266	\$0.65813
RATE PER 1000 CUBIC FEET								
Rate AAGS								
BASIC SERVICE CHARGE	\$500.00	\$37.67						
ALL MCF				\$1.06440	\$4.3618	\$0.00850	\$0.02660	\$5.46130
RATE SGSS - COMMERCIAL								
BASIC SERVICE CHARGE	\$285.00	\$2.99						
MONTHLY BILLING DEMAND			\$6.0400					
ALL MCF				\$0.36000	\$4.3618	\$0.00850	\$0.04440	\$4.77470
RATE SGSS - INDUSTRIAL								
BASIC SERVICE CHARGE	\$750.00	\$2.99						
MONTHLY BILLING DEMAND			\$10.9000					
ALL MCF				\$0.29920	\$4.3618	\$0.00850	\$0.04440	\$4.71390
RATE PER 100 CUBIC FEET								
	BASIC SERVICE CHARGE (PER MONTH)	GAS LINE TRACKER CHARGE (PER MONTH)	DEMAND CHARGE COMPONENT	DISTRIBUTION COST COMPONENT	GAS SUPPLY COST COMPONENT (GSCC)	DSM COST RECOVERY COMPONENT	GAS LINE TRACKER TRANSMISSION PROJECTS COMPONENT	TOTAL
RATE DGGS - COMMERCIAL & INDUSTRIAL (meter capacity < 5000 CF/HR)								
BASIC SERVICE CHARGE	\$165.00	\$37.67						
MONTHLY BILLING DEMAND			\$1.08978					
ALL CCF				\$0.02992	\$0.43618	\$0.00000	\$0.00266	\$0.46876
RATE DGGS - COMMERCIAL & INDUSTRIAL (meter capacity >= 5000 CF/HR)								
BASIC SERVICE CHARGE	\$750.00	\$37.67						
MONTHLY BILLING DEMAND			\$1.08978					
ALL CCF				\$0.02992	\$0.43618	\$0.00000	\$0.00266	\$0.46876

EFFECTIVE RATES FOR RIDER TS-2 TRANSPORTATION SERVICE

**GAS SERVICE RATES¹ EFFECTIVE WITH SERVICE
 RENDERED FROM
 May 1, 2019 through July 31, 2019**

	<u>ADMIN. CHARGE (PER MONTH)</u>	<u>PIPELINE SUPPLIER'S DEMAND COMPONENT</u>
Charges in addition to Customer's Retail Rate		
Rider TS-2		
RATE CGS - COMMERCIAL	\$550.00	
APRIL THRU OCTOBER		
FIRST 100 MCF/MONTH		\$0.8381
OVER 100 MCF/MONTH		\$0.8381
NOVEMBER THRU MARCH		
ALL MCF		\$0.8381
 RATE IGS - INDUSTRIAL	 \$550.00	
APRIL THRU OCTOBER		
FIRST 100 MCF/MONTH		\$0.8381
OVER 100 MCF/MONTH		\$0.8381
NOVEMBER THRU MARCH		
ALL MCF		\$0.8381
 Rate AAGS	 \$550.00	 \$0.8381
 Rate DGGG	 \$550.00	 \$0.8381

L G & E

Charges for Gas Transportation Services Provided Under Rate FT

May 1, 2019 through July 31, 2019

Transportation Service:

Monthly Transportation Administrative Charge	\$550.00
Distribution Charge / Mcf Delivered	\$0.4440
Gas Line Tracker Transmission Projects / Mcf Delivered	\$0.0031

Ancillary Services:

Daily Demand Charge	\$0.1648
Daily Storage Charge	<u>\$0.2785</u>
Utilization Charge per Mcf for Daily Balancing	\$0.4433

Cash-Out Provision for Monthly Imbalances	Percentage to be Multiplied by Cash-Out Price as Described 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%

L G & E

Charges for Gas Delivery Services Provided Under Rate LGDS

May 1, 2019 through July 31, 2019

Delivery Service

Monthly Transportation Administrative Charge	\$550.00
Basic Service Charge	\$1,310.00
Demand Charge / Mcf Delivered	\$2.5700
Distribution Charge / Mcf Delivered	\$0.0388
Gas Line Tracker Transmission Projects / Mcf Delivered	\$0.0031

Ancillary Services:

Daily Demand Charge	\$0.1648
Daily Storage Charge	<u>\$0.2785</u>
Utilization Charge per Mcf for Daily Balancing	\$0.4433

Cash-Out Provision for Monthly Imbalances

Percentage to be
Multiplied by
Cash-Out Price as Described in Rate LGDS

Cash-Out Provision for Monthly Imbalances:

Where Usage is Greater than Delivered Volume - Billing:

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

Where Delivered Volume is Greater than Usage - Purchase:

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