

LOUISVILLE GAS AND ELECTRIC COMPANY

Supporting Calculations For The

Gas Supply Clause

2021-00368

For the Period

November 1, 2021 through January 31, 2022

Louisville Gas and Electric Company

P.S.C. Gas No. 13, Second Revision of Original Sheet No. 21
Canceling P.S.C. Gas No. 13, First Revision of Original Sheet No. 21

Standard Rate

SGSS
Substitute Gas Sales Service

APPLICABLE

In all territory served.

AVAILABILITY

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:	\$335.00 per delivery point
Plus a Demand Charge per Mcf of Monthly Billing Demand:	\$7.17
Plus a Charge per Mcf:	
Distribution Charge	\$0.4106
Gas Supply Cost Component	<u>5.9129</u>
Total Charge per Mcf:	\$6.3235

DATE OF ISSUE: September 30, 2021

DATE EFFECTIVE: Effective with Service Rendered
On And After November 1, 2021

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.
2021-00368 dated XXXX**

Louisville Gas and Electric Company

P.S.C. Gas No. 13, Second Revision of Original Sheet No. 30.2
Canceling P.S.C. Gas No. 13, First Revision of Original Sheet No. 30.2

Standard Rate

FT

Firm Transportation Service (Transportation Only)

RATE (continued)

Where the Monthly Billing Demand is the greater of:

- a. the maximum volume of gas measured on any day during the current billing period,
- b. the highest volume of gas measured on any day in the preceding eleven (11) billing periods,
- c. 50% of the Customer's MDQ.

However, in no case will the Monthly Billing Demand be less than 50 Mcf/day.

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. Such Customer shall pay this charge for the first eighteen billing periods that Customer is served under Rate FT. The charge (or credit) per Mcf shall be applied to all volumes delivered by Company pursuant to Rate FT 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 Rate FT effective November 1, 2020, T
the Gas Cost True-Up Charge shall be:

\$0.0681 per Mcf for Bills Rendered On and After November 1, 2021 I/T

For customers electing service under Rate FT effective November 1, 2021, T
the Gas Cost True-Up Charge shall be:

\$0.3823 per Mcf for Bills Rendered On and After November 1, 2021 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.

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Louisville Gas and Electric Company

P.S.C. Gas No. 13, First Revision of Original Sheet No. 30.6
Canceling P.S.C. Gas No. 13, Original Sheet No. 30.6

Standard Rate

FT

Firm Transportation Service (Transportation Only)

UTILIZATION CHARGE FOR DAILY IMBALANCES (continued)

Daily Demand Charge:	\$0.1696 per Mcf	
Daily Storage Charge:	<u>\$0.3797</u>	
Utilization Charge for Daily Imbalances:	\$0.5493 per Mcf	

Note: The Daily Demand Charge may change with each filing of the GSCC.

These charges are in addition to any other charges set forth herein. The Utilization Charge for Daily Imbalances will not be applied to daily imbalances which do not exceed $\pm 5\%$ of the delivered volume unless an OFO has been issued. If an OFO has been issued, the Utilization Charge for Daily Imbalances shall apply to daily imbalances which exceed 0% for customers in violation of the OFO directive, either "condition (1)" or "condition (2)" as applicable and further described below under "Operational Flow Orders." Customers not in violation of the OFO directive, either "condition (1)" or "condition (2)" as applicable, will continue to be assessed the Utilization Charge for Daily Imbalances on volumes which exceed the 5% daily tolerance. Company shall not have an obligation to provide balancing service for any volumes of gas hereunder.

OPERATIONAL FLOW ORDERS

Company shall have the right to issue an Operational Flow Order ("OFO") which will require actions by Customer to alleviate conditions that, in the sole judgment of Company, jeopardize the operational integrity of Company's system. Customer shall be responsible for complying with the directives contained in the OFO.

Notice of an OFO shall be provided to Customer at least twenty-four (24) hours prior to the beginning of the gas day for which the OFO is in effect and shall include information related to the OFO. Customer shall respond to an OFO by adjusting its deliveries to Company's system as directed in the OFO within the specified timeframe. If Customer is a member of an FT Pool, it is the responsibility of the FT Pool Manager, not Company, to convey OFOs to Customers in its FT Pool.

Upon issuance of an OFO, Company will direct Customer to comply with one of the following conditions: (1) Customer must take delivery of an amount of natural gas from Company that is no more than the daily amount being delivered by the Pipeline Transporter to Company for Customer; or (2) Customer must take delivery of an amount of natural gas from Company that

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Louisville Gas and Electric Company

P.S.C. Gas No. 13, Second Revision of Original Sheet No. 35.1
Canceling P.S.C. Gas No. 13, First 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 < 5,000 cf/hr: \$165.00 per delivery point

If any of the customer's meters
have a capacity ≥ 5,000 cf/hr: \$750.00 per delivery point

Plus a Demand Charge per 100 cubic feet of Monthly Billing Demand: \$1.08900

Plus a Charge per 100 cubic feet:

Distribution Charge \$0.03100

Gas Supply Cost Component 0.59129 |

Total Charge per 100 cubic feet: \$0.62229 |

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
Economic Relief Surcredit	Sheet No. 89
Franchise Fee	Sheet No. 90
School Tax	Sheet No. 91

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P.S.C. Gas No. 13, First Revision of Original Sheet No. 36.8
Canceling P.S.C. Gas No. 13, Original Sheet No. 36.8

Standard Rate

LGDS
Local Gas Delivery Service

VARIATION IN MMBTU CONTENT

The reconciliation of the actual deliveries to the Delivery Point and Company's receipt of gas from Customer at the Receipt Point, including any variation in MMBtu content, occurs through the operation of the cash-out provision. If not reflected on the current month's bill, changes in billings of the cash-out provision caused by variations in the MMBtu content of the gas shall be corrected on the following month's bill using the applicable cash-out price from the month in which the gas was received by Company from Customer at the Receipt Point.

UTILIZATION CHARGE FOR DAILY IMBALANCES

Should an imbalance as calculated herein exceed +/- 5% of the Gross Nominated Volume on any day when an LGFO (as described below) has not been issued, then Company shall charge the Utilization Charge for Daily Imbalances times the imbalance in Mcf greater than +/- 5% of Gross Nominated Volume for each daily occurrence.

The Utilization Charge for Daily Imbalances is the sum of the following:

Daily Demand Charge:	\$0.1696 per Mcf	
Daily Storage Charge:	<u>\$0.3797</u>	
Utilization Charge for Daily Imbalances:	\$0.5493 per Mcf	

Note: The Daily Demand Charge may change with each filing of the GSCC.

These charges are in addition to any other charges set forth herein. The Utilization Charge for Daily Imbalances will not be applied to daily imbalances which do not exceed the +/- 5% unless an LGFO has been issued. If an LGFO has been issued, the Utilization Charge for Daily Imbalances shall apply to daily imbalances which exceed 0% for customers in violation of the LGFO directive, either "condition (a)" or "condition (b)" as applicable and further described above under "Local Gas Flow Orders". Customers not in violation of the LGFO directive, either "condition (a)" or "condition (b)" as applicable, will continue to be assessed the Utilization Charge for Daily Imbalances on volumes which exceed the 5% daily tolerance. Company shall not have an obligation to provide balancing service for any volumes of gas hereunder.

MEASUREMENT OF GAS

Volumes of gas transported hereunder will be determined in accordance with Company's measurement base as set forth in the Company's Terms and Conditions. All gas delivered by Customer to Company pursuant to this rate schedule shall be measured by Company using such gas meters, chromatograph, and other instrumentation as Company deems appropriate.

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Louisville Gas and Electric Company

P.S.C. Gas No. 13, Second Revision of Original Sheet No. 51.1
Canceling P.S.C. Gas No. 13, First 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	\$3.8207	\$2.7023	\$1.7739	\$0.3100
Pipeline Supplier's Demand Component	0.9093	0.9093	0.9093	0.9093
Total	\$4.7300	\$3.6116	\$2.6832	\$1.2193

W/W/I
W/W/I

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Louisville Gas and Electric Company

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Canceling P.S.C. Gas No. 13, First 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, 2020, the Gas Cost True-Up Charge shall be:	T
\$0.0681 per Mcf for Bills Rendered On and After November 1, 2021	I/T
For customers electing service under Rider TS-2 effective November 1, 2021, the Gas Cost True-Up Charge shall be:	T
\$0.3823 per Mcf for Bills Rendered On and After November 1, 2021	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

$$\text{Minimum Annual Threshold Charge} = \\ (\text{Minimum Annual Threshold minus Customer's Annual Usage}) \text{ times the Peak Period} \\ \text{Distribution Charge}$$

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Louisville Gas and Electric Company

P.S.C. Gas No. 13, Second Revision of Original Sheet No. 85
Canceling P.S.C. Gas No. 13, First 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	\$0.55306	I
Gas Cost Actual Adjustment (GCAA)	0.03033	I
Gas Cost Balance Adjustment (GCBA)	0.00023	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 (PBRRC)	<u>0.00767</u>	
Total Gas Supply Cost Component Per 100 Cubic Feet (GSCC)	\$0.59129	I

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LOUISVILLE GAS AND ELECTRIC COMPANY

**Derivation of Gas Supply Component Applicable to
Service Rendered On and After November 1, 2021**

2021-00368

Gas Supply Cost - See Exhibit A for Detail					
Line No.	Description	Unit	Amount	\$/Mcf	\$/Ccf
1	Total Expected Gas Supply Cost	\$	83,164,127		
2	Total Expected Customer Deliveries: November 1, 2021 through January 31, 2022	Mcf	15,037,001		
3	Gas Supply Cost			5.5306	0.55306

Gas Cost Actual Adjustment (GCAA) - See Exhibit B for Detail					
	Description	Case No.		\$/Mcf	\$/Ccf
4	Current Quarter Actual Adjustment	Eff. November 1, 2021	2021-00130	0.0740	0.00740
5	Previous Quarter Actual Adjustment	Eff. August 1, 2021	2020-00401	0.2936	0.02936
6	2nd Previous Qrt. Actual Adjustment	Eff. May 1, 2021	2020-00309	(0.0534)	(0.00534)
7	3rd Previous Qrt. Actual Adjustment	Eff. February 1, 2021	2020-00204	(0.0109)	(0.00109)
8	Total Gas Cost Actual Adjustment (GCAA)			0.3033	0.03033

Gas Cost Balance Adjustment (GCBA) - See Exhibit C for Detail					
	Description			\$/Mcf	\$/Ccf
9	Gas Cost Balance Adjustment (GCBA)			0.0023	0.00023

Refund Factors (RF) - See Exhibit D for Detail					
	Description			\$/Mcf	\$/Ccf
10	Current Quarter Refund Factor	Eff. November 1, 2021		0.0000	0.00000
11	1st Previous Quarter Refund Factor	Eff. August 1, 2021		0.0000	0.00000
12	2nd Previous Quarter Refund Factor	Eff. May 1, 2021		0.0000	0.00000
13	3rd Previous Quarter Refund Factor	Eff. February 1, 2021		0.0000	0.00000
14	Total Refund Factors Per 100 Cubic Feet			0.0000	0.00000

Performance-Based Rate Recovery Component (PBRRC) - See Exhibit E for Detail					
	Description			\$/Mcf	\$/Ccf
15	Performance-Based Rate Recovery Component (PBRRC)			0.0767	0.00767

Gas Supply Cost Component (GSCC) Effective November 1, 2021					
	Description			\$/Mcf	\$/Ccf
16	Gas Supply Cost			5.5306	0.55306
17	Gas Cost Actual Adjustment (GCAA)			0.3033	0.03033
18	Gas Cost Balance Adjustment (GCBA)			0.0023	0.00023
19	Refund Factors (RF)			0.0000	0.00000
20	Performance-Based Rate Recovery Component (PBRRC)			0.0767	0.00767
21	Total Gas Supply Cost Component (GSCC)			5.9129	0.59129

LOUISVILLE GAS AND ELECTRIC COMPANY

Calculation of Gas Supply Costs

For the Three-Month Period From November 1, 2021 thru January 31, 2022

<u>Line No.</u>	<u>MMBtu</u>	<u>Nov-2021</u>	<u>Dec-2021</u>	<u>Jan-2022</u>	<u>Total</u>
1	Expected Gas Supply Transported Under Texas' No-Notice Service (South-to-North)	1,590,148	1,233,724	1,462,526	4,286,398
2	Expected Gas Supply Transported Under Texas' Rate FT (North-to-South)	827,200	923,400	772,600	2,523,200
3	Expected Gas Supply Transported Under Tenn.'s Rate FT-A (Zone 0-2)	600,000	620,000	620,000	1,840,000
4	Total MMBtu Purchased	3,017,348	2,777,124	2,855,126	8,649,598
5	Plus: Withdrawals from Texas Gas' NNS Storage Service	589,000	672,100	464,800	1,725,900
6	Less: Injections into Texas Gas' NNS Storage Service	0	0	0	0
7	Expected Monthly Deliveries from TGT/TGPL to LG&E (excluding transportation volumes under LG&E Rider TS-2)	3,606,348	3,449,224	3,319,926	10,375,498
<u>Mcf</u>					
8	Total Purchases in Mcf	2,833,191	2,607,628	2,680,869	
9	Plus: Withdrawals from Texas Gas' NNS Storage Service	553,052	631,080	436,432	
10	Less: Injections Texas Gas' NNS Storage Service	0	0	0	
11	Expected Monthly Deliveries from TGT/TGPL to LG&E (excluding transportation volumes under LG&E Rider TS-2)	3,386,243	3,238,708	3,117,301	
12	Plus: Customer Transportation Volumes under Rider TS-2	65,157	51,906	42,306	
13	Total Expected Monthly Deliveries from TGT/TGPL to LG&E (Line 11 + Line 12)	3,451,400	3,290,614	3,159,607	
14	Less: Purchases for Depts. Other Than Gas Dept.	636	1,627	2,006	
15	Less: Purchases Injected into LG&E's Underground Storage	253,288	0	0	
16	Mcf Purchases Expensed during Month (Line 11 - Line 14 - Line 15)	3,132,319	3,237,081	3,115,295	9,484,695
17	LG&E's Storage Inventory - Beginning of Month	14,290,000	14,290,000	12,090,000	
18	Plus: Storage Injections into LG&E's Underground Storage (Line 15)	253,288	0	0	
19	LG&E's Storage Inventory - Including Injections	14,543,288	14,290,000	12,090,000	
20	Less: Storage Withdrawals from LG&E's Underground Storage	200,000	2,147,584	3,375,621	5,723,205
21	Less: Storage Losses	53,288	52,416	44,379	150,083
22	LG&E's Storage Inventory - End of Month	14,290,000	12,090,000	8,670,000	
23	Mcf of Gas Supply Expensed during Month (Line 16 + Line 20 + Line 21)	3,385,607	5,437,081	6,535,295	15,357,983
<u>Cost</u>					
24	Total Demand Cost - Including Transportation (Line 13 x Line 44)	\$3,042,754	\$2,901,005	\$2,785,510	
25	Less: Demand Cost Recovered thru Rate TS-2 (Line 12 x Line 44)	57,442	45,760	37,297	
26	Demand Cost - Net of Demand Costs Recovered thru LG&E Rider TS-2	\$2,985,312	\$2,855,245	\$2,748,213	
27	Commodity Costs - Gas Supply Under NNS (South-to-North) (Line 1 x Line 45)	7,667,694	6,088,428	7,322,283	
28	Commodity Costs - Gas Supply Under Rate FT (North-to-South) (Line 2 x Line 46)	3,918,281	4,477,659	3,801,424	
29	Commodity Costs - Gas Supply Under Rate FT-A (Zone 0-2) (Line 3 x Line 47)	2,894,400	3,060,320	3,104,340	
30	Total Purchased Gas Cost	\$17,465,687	\$16,481,652	\$16,976,260	\$50,923,599
31	Plus: Withdrawals from NNS Storage (Line 5 x Line 45)	2,840,158	3,316,814	2,327,068	8,484,040
32	Less: Purchases Injected into NNS Storage (Line 6 x Line 45)	0	0	0	0
33	Total Cost of Gas Delivered to LG&E	\$20,305,845	\$19,798,466	\$19,303,328	\$59,407,639
34	Less: Purchases for Depts. Other Than Gas Dept. (Line 14 x Line 48)	3,814	9,946	12,422	26,182
35	Less: Purchases Injected into LG&E's Storage (Line 15 x Line 48)	1,518,867	0	0	1,518,867
36	Pipeline Deliveries Expensed During Month	\$18,783,164	\$19,788,520	\$19,290,906	\$57,862,590
37	LG&E's Storage Inventory - Beginning of Month	\$61,132,620	\$61,560,348	\$52,082,968	
38	Plus: LG&E Storage Injections (Line 35 above)	1,518,867	0	0	
39	LG&E's Storage Inventory - Including Injections	\$62,651,487	\$61,560,348	\$52,082,968	
40	Less: LG&E Storage Withdrawals (Line 20 x Line 49)	861,580	9,251,577	14,541,838	\$24,654,995
41	Less: LG&E Storage Losses (Line 21 x Line 49)	229,559	225,803	191,180	646,542
42	LG&E's Storage Inventory - End of Month	\$61,560,348	\$52,082,968	\$37,349,950	
43	Gas Supply Expenses (Line 36 + Line 40 + Line 41)	\$19,874,303	\$29,265,900	\$34,023,924	\$83,164,127
<u>Unit Cost</u>					
44	12-Month Average Demand Cost - per Mcf (see Page 2)	\$0.8816	\$0.8816	\$0.8816	
45	Commodity Cost (per MMBtu) under Texas Gas's No-Notice Service (South-to-North)	\$4.8220	\$4.9350	\$5.0066	
46	Commodity Cost (per MMBtu) under Texas Gas's Rate FT (North-to-South)	\$4.7368	\$4.8491	\$4.9203	
47	Commodity Cost (per MMBtu) under Tenn. Gas's Rate FT-A (Zone 0-2)	\$4.8240	\$4.9360	\$5.0070	
48	Average Cost of Deliveries (Line 33 / Line 11)	\$5.9966	\$6.1131	\$6.1923	
49	Average Cost of Inventory - Including Injections (Line 39 / Line 19)	\$4.3079	\$4.3079	\$4.3079	
<u>Gas Supply Cost</u>					
50	Total Expected Mcf Deliveries (Sales) to Customers November 1, 2021 through January 31, 2022				15,037,001 Mcf
51	Current Gas Supply Cost (Line 43 / Line 50)				\$5.5306 / 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)	\$5.0601	20,000	12	1,214,424
4	Long-Term Firm Contracts with Suppliers (Annualized)				7,947,983
5		Total Annual Demand Costs			\$30,461,209

Average Demand Cost per Mcf

6	Total Annual Demand Costs (Line 5)				\$30,461,209
7	Expected Annual Deliveries from Pipeline Transporters in Mcf (incl Rider TS-2)				34,553,915
8		Average Demand Cost per Mcf (Line 6 / Line 7)			\$0.8816

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)				\$0.8816
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)				0.0277
12		PSDC Charge per Mcf			\$0.9093

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

13	Total Annual Demand Costs (Line 5)				\$30,461,209
14	Design Day Requirements in Mcf (determined in last rate case)				491,963
15		UCDI Charge (Line 13/Line 14/365 days)			\$0.1696

LOUISVILLE GAS AND ELECTRIC COMPANY

Gas Supply Clause: 2021-00368

Gas Supply Cost Effective November 1, 2021

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, 2021, the FERC ACA Unit Charge is \$0.0012/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 November 1, 2021. The tariffed rates are as follows: (a) a daily demand charge of \$0.4190/MMBtu, and (b) a commodity charge of \$0.0626/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 \$0.0626/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, 2021, the FERC ACA Unit Charge is \$0.0012/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 November 1, 2021. 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 \$0.0372/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 \$0.0372/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 15, 2021, TGPL made its Compliance Filing to implement rates effective November 1, 2021, pursuant to the Settlement filed at FERC on April 4, 2019, in Docket No. RP19-351. The April 4, 2019, Settlement supersedes in its entirety the settlement approved by FERC on July 1, 2015, in Docket No. RP15-990. The 2019 Settlement provided for an immediate rate reduction of 8.5% effective November 1, 2019, with further reductions as follows: (1) a 2% reduction effective November 1, 2020, (2) an additional 2% reduction effective November 1, 2021, and (3) a 1% reduction effective November 1, 2022. All rate reductions are expressed as percentages of the rates effective November 1, 2018. The 2019 Settlement, approved by FERC on May 24, 2019, obviates the necessity of TGPL making a one-time filing of FERC Form No. 501-G as required by FERC Order 849. FERC Order 849 was intended to assess the impact of the Tax Cuts and Jobs Act on the revenues and rates of natural gas pipelines. These 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 30, 2020, in FERC Docket No. RP19-1253 effective November 1, 2020.

Effective October 1, 2021, the FERC ACA Unit Charge is \$0.0012/MMBtu.

Attached hereto as Exhibit A-1 (a), Pages 4, and 5, are the tariff sheet for transportation service under Rate FT-A, which are applicable as of November 1, 2021. 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 \$13.3891/MMBtu, and (b) a commodity charge of \$0.0330/MMBtu.

The rates applicable to service under this discounted rate agreement result in a monthly demand charge of \$5.0601/MMBtu and an annual volumetric throughput charge ("commodity charge") of \$0.0330/MMBtu for deliveries from Zone 0 to Zone 2.

Gas Supply Costs

The average New York Mercantile Exchange (“NYMEX”) natural gas futures closes for September 20, 2021, September 21, 2021, and September 22, 2021, are \$4.9060/MMBtu for November 2021, \$5.0180/MMBtu for December 2021, and \$5.0890/MMBtu for January 2022. 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 16.5% lower compared to the same period one year ago.¹
- Production levels have remained flat year-over-year despite demand increases.
- Some producers have reduced capital spending on production to improve their balance sheets.
- Increased economic activity has increased the demand for natural gas in the United States.
- Exports of natural gas (by pipeline or as LNG) have grown year-over-year increasing the demand for natural gas.
- Gas-fired electric generation loads impact the demand for natural gas.
- New pipeline infrastructure required to deliver natural gas supplies to the marketplace is growing at a slow pace due to regulatory and environmental challenges.
- Gas supply disruptions, such as those caused by hurricanes or well freeze-offs, can affect prices.

¹ The weekly gas storage survey issued by the Energy Information Administration (“EIA”) for the week ending September 10, 2021, indicated that storage inventory levels were 16.5% lower than last year’s levels. Storage inventories across the nation are 595 Bcf (3,006 Bcf - 3,601 Bcf), or 16.5%, lower this year than the same period one year ago. Last year at this time, 3,601 Bcf was held in storage, while this year 3,006 Bcf is held in storage. Storage inventories across the nation are 231 Bcf (3,006 Bcf - 3,237 Bcf), or 7.1%, lower this year than the five-year average. On average for the last five years at this time, 3,237 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.

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 \$4.7170 per MMBtu for November 2021, \$4.8290 per MMBtu for December 2021, and \$4.9000 per MMBtu for January 2022. 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 \$4.6850 per MMBtu for November 2021, \$4.7970 per MMBtu for December 2021, and \$4.8680 per MMBtu for January 2022. 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 \$4.7910 per MMBtu for November 2021, \$4.9030 per MMBtu for December 2021, and \$4.9740 per MMBtu for January 2022.

During the three-month period under review, November 1, 2021, through January 31, 2022, LG&E estimates that its total purchases will be 10,375,598 MMBtu. LG&E expects that 6,012,298 MMBtu will be met with deliveries from TGT's pipeline service under Rate NNS (4,286,398 MMBtu in pipeline south-to-north deliveries plus 1,725,900 in storage withdrawals less 0 in storage injections); 2,523,200 MMBtu from north-to-south deliveries under TGT's pipeline service under Rate FT; 1,840,000 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.

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

MONTH	ESTIMATED PRICE AS DELIVERED TO TEXAS GAS	RATE NNS RETENTION (TO ZONE 4)	TRANSPORT CHARGE	TOTAL ESTIMATED DELIVERED PRICE
Nov-2021	\$ 4.7170	0.89%	\$ 0.0626	\$ 4.8220
Dec-2021	\$ 4.8290	0.89%	\$ 0.0626	\$ 4.9350
Jan-2022	\$ 4.9000	0.89%	\$ 0.0626	\$ 5.0066

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

MONTH	ESTIMATED PRICE AS DELIVERED TO TEXAS GAS	RETENTION (ZONE 4 TO 4)	RATE FT TRANSPORT CHARGE	TOTAL ESTIMATED DELIVERED PRICE
Nov-2021	\$ 4.6850	0.31%	\$ 0.0372	\$ 4.7368
Dec-2021	\$ 4.7970	0.31%	\$ 0.0372	\$ 4.8491
Jan-2022	\$ 4.8680	0.31%	\$ 0.0372	\$ 4.9203

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

MONTH	ESTIMATED PRICE AS DELIVERED TO TENNESSEE GAS	RETENTION (TO ZONE 2)	RATE FT-A-2 TRANSPORT CHARGE	TOTAL ESTIMATED DELIVERED PRICE
Nov-2021	\$ 4.7910	0.00%	\$ 0.0330	\$ 4.8240
Dec-2021	\$ 4.9030	0.00%	\$ 0.0330	\$ 4.9360
Jan-2022	\$ 4.9740	0.00%	\$ 0.0330	\$ 5.0070

The annual demand billings covering the 12 months from November 1, 2021 through October 31, 2022, for the firm contracts with natural gas suppliers are currently expected to be \$7,947,983.

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 November 1, 2021 through January 31, 2022 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 4.4
 Currently Effective Rates - NNS
 Version 6.0.0

**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.

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

Eighteenth Revised Sheet No. 14
 Superseding
 Seventeenth 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	\$4.7485		\$9.92300	\$13.3478	\$13.5840	\$14.9261	\$15.8434	\$19.8779	
L		\$4.2156							
1	\$7.1485		\$6.8524	\$9.1192	\$12.9182	\$12.7224	\$14.3480	\$17.6429	
2	\$13.3479		\$9.0644	\$4.7144	\$4.4071	\$5.6390	\$7.7558	\$10.0118	
3	\$13.5840		\$7.1799	\$4.7525	\$3.4286	\$5.2666	\$9.5251	\$11.0065	
4	\$17.2471		\$15.9003	\$6.0594	\$9.2085	\$4.5075	\$4.8747	\$6.9640	
5	\$20.5647		\$14.4505	\$6.3563	\$7.6911	\$5.0074	\$4.6970	\$6.1147	
6	\$23.7895		\$16.5974	\$11.4230	\$12.5841	\$8.8889	\$4.6763	\$4.0480	

Daily Base Reservation Rate 1/

RECEIPT ZONE	DELIVERY ZONE								
	0	L	1	2	3	4	5	6	
0									
L	\$0.1561		\$0.3262	\$0.4388	\$0.4466	\$0.4907	\$0.5209	\$0.6535	
1	\$0.2350	\$0.1386	\$0.2253	\$0.2998	\$0.4247	\$0.4183	\$0.4717	\$0.5800	
2	\$0.4388		\$0.2980	\$0.1550	\$0.1449	\$0.1854	\$0.2550	\$0.3292	
3	\$0.4466		\$0.2361	\$0.1562	\$0.1127	\$0.1731	\$0.3132	\$0.3619	
4	\$0.5670		\$0.5227	\$0.1992	\$0.3027	\$0.1482	\$0.1603	\$0.2290	
5	\$0.6761		\$0.4751	\$0.2090	\$0.2529	\$0.1646	\$0.1544	\$0.2010	
6	\$0.7821		\$0.5457	\$0.3756	\$0.4137	\$0.2922	\$0.1537	\$0.1331	

Maximum Reservation Rates 2 /, 3 /

RECEIPT ZONE	DELIVERY ZONE								
	0	L	1	2	3	4	5	6	
0	\$4.7898		\$9.9643	\$13.3891	\$13.6253	\$14.9674	\$15.8847	\$19.9192	
L		\$4.2569							
1	\$7.1898		\$6.8937	\$9.1605	\$12.9595	\$12.7637	\$14.3893	\$17.6842	
2	\$13.3892		\$9.1057	\$4.7557	\$4.4484	\$5.6803	\$7.7971	\$10.0531	
3	\$13.6253		\$7.2212	\$4.7938	\$3.4699	\$5.3079	\$9.5664	\$11.0478	
4	\$17.2884		\$15.9416	\$6.1007	\$9.2498	\$4.5488	\$4.9160	\$7.0053	
5	\$20.6060		\$14.4918	\$6.3976	\$7.7324	\$5.0487	\$4.7383	\$6.1560	
6	\$23.8308		\$16.6387	\$11.4643	\$12.6254	\$8.9302	\$4.7176	\$4.0893	

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 \$0.0413.

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

Twentieth Revised Sheet No. 15
 Superseding
 Nineteenth 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	\$0.2286	\$0.2182	\$0.2597
L		\$0.0012						
1	\$0.0042		\$0.0081	\$0.0147	\$0.0179	\$0.1944	\$0.1983	\$0.2264
2	\$0.0167		\$0.0087	\$0.0012	\$0.0028	\$0.0629	\$0.1009	\$0.1118
3	\$0.0207		\$0.0169	\$0.0026	\$0.0002	\$0.0841	\$0.1164	\$0.1271
4	\$0.0250		\$0.0205	\$0.0087	\$0.0105	\$0.0389	\$0.0550	\$0.0892
5	\$0.0284		\$0.0256	\$0.0100	\$0.0118	\$0.0548	\$0.0543	\$0.0674
6	\$0.0346		\$0.0300	\$0.0143	\$0.0163	\$0.0843	\$0.0457	\$0.0277

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	\$0.0048		\$0.0131	\$0.0193	\$0.0235	\$0.2302	\$0.2198	\$0.2613
L		\$0.0028						
1	\$0.0058		\$0.0097	\$0.0163	\$0.0195	\$0.1960	\$0.1999	\$0.2280
2	\$0.0183		\$0.0103	\$0.0028	\$0.0044	\$0.0645	\$0.1025	\$0.1134
3	\$0.0223		\$0.0185	\$0.0042	\$0.0018	\$0.0857	\$0.1180	\$0.1287
4	\$0.0266		\$0.0221	\$0.0103	\$0.0121	\$0.0405	\$0.0566	\$0.0908
5	\$0.0300		\$0.0272	\$0.0116	\$0.0134	\$0.0564	\$0.0559	\$0.0690
6	\$0.0362		\$0.0316	\$0.0159	\$0.0179	\$0.0859	\$0.0473	\$0.0293

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 \$0.0016.

Texas Gas Transmission, LLC
 FERC NGA Gas Tariff
 Fourth Revised Volume No. 1
 Effective On: November 1, 2020

Section 4.18.1
 Currently Effective Rates - Fuel Retention - General
 Version 14.0.0

**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	0.67%
Middle	0.54%
North	0.89%

FT/STF/IT Rate Schedules

<u>Rec/Del Fuel Zone</u>	<u>EFRP</u>
South/South	0.46%
South/Middle	0.58%
South/North	0.88%
Middle/South	0.60%
Middle/Middle	0.03%
Middle/North	0.32%
North/South	0.94%
North/Middle	0.51%
North/North	0.31%

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	0.08%
Middle	0.10%
North	0.28%

[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

Seventeenth Revised Sheet No. 32
 Superseding
 Sixteenth 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	0.43%		1.54%	2.34%	2.97%	3.59%	4.08%	4.66%
L		0.16%						
1	0.56%		1.09%	1.96%	2.43%	2.92%	3.55%	4.06%
2	2.40%		1.17%	0.15%	0.38%	0.79%	1.44%	1.96%
3	2.97%		2.37%	0.38%	0.03%	1.14%	1.67%	2.26%
4	3.46%		2.71%	1.16%	1.40%	0.40%	0.66%	1.22%
5	4.08%		3.55%	1.42%	1.67%	0.66%	0.65%	0.86%
6	4.88%		4.06%	1.96%	2.26%	1.14%	0.50%	0.20%

Broad Run Expansion Project – Market Component (Z3-Z1): 5/ 7.62%

EPCR 3/,4/

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	\$0.0021		\$0.0081	\$0.0125	\$0.0155	\$0.0188	\$0.0214	\$0.0256
L		\$0.0007						
1	\$0.0028		\$0.0057	\$0.0104	\$0.0127	\$0.0157	\$0.0193	\$0.0221
2	\$0.0125		\$0.0061	\$0.0007	\$0.0018	\$0.0041	\$0.0074	\$0.0102
3	\$0.0155		\$0.0127	\$0.0018	\$0.0000	\$0.0060	\$0.0088	\$0.0118
4	\$0.0188		\$0.0145	\$0.0060	\$0.0074	\$0.0019	\$0.0034	\$0.0063
5	\$0.0214		\$0.0193	\$0.0074	\$0.0088	\$0.0033	\$0.0033	\$0.0044
6	\$0.0256		\$0.0221	\$0.0102	\$0.0118	\$0.0059	\$0.0025	\$0.0009

Broad Run Expansion Project – Market Component (Z3-Z1): 5/ \$0.0272

- 1/ Included in the above F&LR is the Losses component of the F&LR equal to 0.00%.
- 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&LRs and EPCR's listed above are applicable to FT-A, FT-BH, FT-G, FT-GS, and IT.
- 4/ The F&LRs 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 0.00%.

LOUISVILLE GAS AND ELECTRIC COMPANY

Gas Supply Clause: 2021-00368

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 recovery from Case Number 2021-00130 during the three-month period of May 2021 through July 2021 was the following:

(Over)/Under Recovery: \$ 2,330,660

The calculation of the Gas Cost Actual Adjustment (GCAA) set forth in Exhibit B-1 results in the following factor, which LG&E will place in effect as a debit with service rendered on and after November 1, 2021 and continue for 12 months:

GCAA Factor per 100 cubic feet: \$ 0.00740

Also enclosed, on pages 6 and 7 of Exhibit B-1, is a breakdown of gas purchases for the three-month period from May 2021 through July 2021. [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 2020-00070 which 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.

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

	<u>Effective Date</u>	<u>Case No.</u>	<u>GCAA Factor \$/Ccf</u>
Current Quarter Actual Adjustment:	November 1, 2021	2021-00130	\$ 0.00740
Previous Quarter Actual Adjustment:	August 1, 2021	2020-00401	\$ 0.02936
2 nd Previous Quarter Actual Adjustment	May 1, 2021	2020-00309	\$ (0.00534)
3 rd Previous Quarter Actual Adjustment:	February 1, 2021	2020-00204	\$ (0.00109)
Total Gas Cost Actual Adjustment (GCAA)			\$ 0.03033

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 November 1, 2021

Line No.	Recovery Period	Case Number	Total Dollars of Gas Cost Recovered ¹	Gas Supply Cost Per Books ²	(Over)/Under Recovery (6)=(5)-(4)
(1)	(2)	(3)	(4)	(5)	(6)
1	May-2021	2021-00130	\$2,282,831	\$4,781,083	\$2,498,252
2	Jun-2021	2021-00130	\$3,228,496	\$3,685,752	\$457,256
3	Jul-2021	2021-00130	\$2,401,563	\$2,947,630	\$546,067
4	Aug-2021	(Note 3)	\$1,170,915	\$0	(\$1,170,915)
5			\$9,083,805	\$11,414,465	\$2,330,660
6		(Over)/Under Recovery	\$2,330,660		
7		Expected Mcf Sales for			
8		12-Month Period from Date Implemented	31,509,682		
9		GCAA Factor per Mcf	\$0.0740		
10		GCAA Factor per Ccf	\$0.00740		

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 November 1, 2021

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	May-2021	Prorated	2021-00130	1,429,557.8 ¹	634,604.0 ²	\$3.4931	\$0	\$2,216,735
2	Jun-2021		2021-00130	905,633.5	905,633.5	\$3.4931	\$0	\$3,163,468
3	Jul-2021		2021-00130	669,470.7	669,470.7	\$3.4931	\$0	\$2,338,528
4	Aug-2021	Prorated	2021-00130	663,187.7 ¹	335,208.0 ²	\$3.4931		\$1,170,915
5					2,544,916.2		\$0	\$8,889,646
		\$ Recovered ³ Under Rider TS- 2	\$ Recovered ⁴ Under Rate FT	\$ from OSS	Total \$ Recovered (13)=(9)+(10)+(11))+(12)			
		(10)	(11)	(12)				
6	May-2021	\$54,876	\$11,220	\$0	\$2,282,831			
7	Jun-2021	\$54,327	\$10,701	\$0	\$3,228,496			
8	Jul-2021	\$52,217	\$10,818	\$0	\$2,401,563			
9	Aug-2021				\$1,170,915			
10		\$161,420	\$32,739	\$0	\$9,083,805			

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 November 1, 2021

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	May-2021	2021-00130	64,697.0	\$0.8482	\$54,876	\$0	0.0	\$0	0	\$0	\$0	\$0	\$54,876
2	Jun-2021	2021-00130	63,212.0	\$0.8482	\$53,616	\$0	0.0	\$0	170.0	\$711	\$0	\$0	\$54,327
3	Jul-2021	2021-00130	57,937.0	\$0.8482	\$49,142	\$0	0.0	\$0	762.0	\$3,075	\$0	\$0	\$52,217
4	Total Amount to Transfer to Exhibit B-1, Page 2												\$161,420

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 November 1, 2021

Line No.	Recovery Period	Case Number	UCDI Demand Chrg / Mef	Cash-Out Sales (Mef)	Cash-Out Sales (\$)	MMBTU Adjust. (Mef)	MMBTU Adjust. (\$)	UCDI Mef	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	May-2021	2021-00130	\$0.1667	1,060.0	\$3,113	-	\$0	45,466.0	\$7,579	\$0	\$528	\$11,220
2	Jun-2021	2021-00130	\$0.1667	-	\$0	-	\$0	61,069.0	\$10,180	\$0	\$521	\$10,701
3	Jul-2021	2021-00130	\$0.1667	103.0	\$414	-	\$0	59,266.0	\$9,880	\$0	\$524	\$10,818
4								Total Amount to Transfer to Exhibit B-1, Page 2				\$32,739

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 MAY 2021 THROUGH JULY 2021

DELIVERED BY TEXAS GAS TRANSMISSION, LLC

			MAY 2021			JUNE 2021			JULY 2021		
			NET MMBTU	MCF	\$	NET MMBTU	MCF	\$	NET MMBTU	MCF	\$
NATURAL GAS SUPPLIES:											
1 .	A		775,000	727,700	\$2,215,991.46	749,900	704,131	\$2,206,517.99	774,988	727,688	\$2,759,509.55
2 .	B		84,244	79,102	\$230,075.00	0	0	\$0.00	84,245	79,103	\$306,575.00
3 .	C		9,911	9,306	\$27,350.00	0	0	\$0.00	0	0	\$0.00
4 .	D		0	0	\$0.00	0	0	\$0.00	307,233	288,482	\$1,110,996.30
5 .	E		0	0	\$0.00	0	0	\$0.00	307,241	288,489	\$1,053,225.00
6 .	F		615,889	578,300	\$1,802,021.80	588,692	552,763	\$1,778,979.46	612,953	575,543	\$2,210,447.37
7 .	G		0	0	\$0.00	590,065	554,052	\$1,771,300.00	602,526	565,752	\$2,160,660.50
8 .	H		0	0	\$0.00	294,344	276,379	\$820,084.66	306,476	287,771	\$1,035,267.16
9 .	I		0	0	\$0.00	294,345	276,380	\$887,305.61	306,475	287,770	\$1,071,214.83
10 .	J		89,721	84,245	\$246,250.00	0	0	\$0.00	0	0	\$0.00
SUBTOTAL			1,574,765	1,478,653	\$4,521,688.26	2,517,346	2,363,705	\$7,464,187.72	3,302,137	3,100,598	\$11,707,895.71
NO-NOTICE SERVICE ("NNS") STORAGE:											
1 .	WITHDRAWALS		1,146	1,076	\$3,124.68	5,707	5,359	\$16,029.25	80,964	76,023	\$278,459.49
2 .	INJECTIONS		(554,599)	(520,750)	(\$1,509,839.18)	(277,420)	(260,488)	(\$779,189.55)	(92,722)	(87,063)	(\$318,898.77)
3 .	ADJUSTMENTS		0	(1,685)	\$0.00	(305)	(1,702)	(\$749.42)	5,116	3,941	\$13,266.86
4 .	ADJUSTMENTS				\$147,233.07			\$96,384.20			\$44,416.80
NET NNS STORAGE ACTIVITY			(553,453)	(521,359)	(\$1,359,481.43)	(272,018)	(256,831)	(\$667,525.52)	(6,642)	(7,099)	\$17,244.38
NATURAL GAS TRANSPORTATION:											
COMMODITY AND VOLUMETRIC CHARGES:											
1 .	TEXAS GAS TRANSMISSION, LLC				\$50,206.08			\$95,458.96			\$159,206.58
2 .	ADJUSTMENTS		0	4,943	(\$0.01)	0	3,448	(\$19.05)	0	8,034	\$288.70
3 .	ADJUSTMENTS		0	0	\$0.00	0	0	\$0.00	0	0	\$0.00
4 .	HYBRID FUEL		(193)	(181)	\$0.00	91	85	\$0.00	0	0	\$0.00
5 .	ADJUSTMENTS		126	116	\$0.00	0	0	\$0.00	0	0	\$0.00
SUBTOTAL			(67)	4,878	\$50,206.07	91	3,533	\$95,439.91	0	8,034	\$159,495.28
DEMAND AND FIXED CHARGES:											
1 .	TEXAS GAS TRANSMISSION, LLC				\$1,034,904.00			\$1,001,520.00			\$1,034,904.00
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					\$1,034,904.00			\$1,001,520.00			\$1,034,904.00
TOTAL PURCHASED GAS COSTS – TEXAS GAS TRANSMISSION, LLC			1,021,245	962,172	\$4,247,316.90	2,245,419	2,110,407	\$7,893,622.11	3,295,495	3,101,533	\$12,919,539.37

LOUISVILLE GAS AND ELECTRIC COMPANY

Gas Supply Clause: 2021-00368

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- or under-recoveries will be distributed via the Gas Cost Balance Adjustment (GCBA) during the period of November 1, 2021 through January 31, 2022 set forth on Page 1 of Exhibit C-1:

(Over)/Under GCBA Recovery: \$ 33,959

The GCBA factor required to collect the recovery balance will be in effect as a debit with service rendered on and after November 1, 2021 and continue for three months:

GCBA Factor per 100 cubic feet: \$ 0.00023

In this filing, LG&E will eliminate the GCBA from Case No. 2021-00251 as it 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 February 1, 2022.

LOUISVILLE GAS AND ELECTRIC COMPANY
Calculation of Quarterly Gas Cost Balance Adjustment
For Service Rendered On and After November 1, 2021

Line No.	Factor	Remaining Balance
1	Remaining (Over)/Under Recovery From GCAA ¹	\$29,748
2	Remaining (Over)/Under Recovery From GCBA ²	\$4,211
3	Remaining (Under)/Over Refund From RA ³	\$0
4	Remaining (Over)/Under Recovery From PBRRC ⁴	\$0
5	Total Remaining (Over)/Under Recovery	\$33,959
6	Expected Mcf Sales for 3 Month Period ⁵	15,037,001
7	GCBA Factor Per Mcf	\$0.0023
8	GCBA Factor Per Ccf	\$0.00023

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 applicable 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 November 1, 2021

From Case No. 2019-00436

Line No.	Recovery Period	Comments	Total Mcf Sales for Month	Sales Applicable to GCAA Recovery	GCAA/Mcf Factor	Recovery/(Refund) per Month	Balance Remaining	
	(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)	(7)=(Bal)-(6)	
1						Beginning Balance	\$1,412,743	
2	Aug-20	Prorated	630,697.3	313,543.3	\$0.0456	\$14,298	\$1,398,445	
3	Sep-20		670,179.9	670,179.9	\$0.0456	\$30,560	\$1,367,885	
4	Oct-20		953,506.2	953,506.2	\$0.0456	\$43,480	\$1,324,405	
5	Nov-20		1,919,239.0	1,919,239.0	\$0.0456	\$87,517	\$1,236,888	
6	Dec-20		3,979,897.4	3,979,897.4	\$0.0456	\$181,483	\$1,055,405	
7	Jan-21		5,828,853.2	5,828,853.2	\$0.0456	\$265,796	\$789,609	
8	Feb-21		6,106,907.1	6,106,907.1	\$0.0456	\$278,475	\$511,134	
9	Mar-21		4,908,337.5	4,908,337.5	\$0.0456	\$223,820	\$287,314	
10	Apr-21		2,308,518.7	2,308,518.7	\$0.0456	\$105,268	\$182,046	
11	May-21		1,429,557.8	1,429,557.8	\$0.0456	\$65,188	\$116,858	
12	Jun-21		905,633.5	905,633.5	\$0.0456	\$41,297	\$75,561	
13	Jul-21		669,470.7	669,470.7	\$0.0456	\$30,528	\$45,033	
14	Aug-21	Prorated	663,187.7	335,208.0	\$0.0456	\$15,285	\$29,748	
15			Total Amount Recovered/(Refunded) During Period				\$1,382,995	
16			Remaining Balance to Transfer to Exhibit C-1, Page 1 of 3				\$29,748	

LOUISVILLE GAS AND ELECTRIC COMPANY
Revenue Collected Under the GCBA Factor
For Service Rendered On and After November 1, 2021

Case No. 2021-00130

Line No.	Recovery Period	Comments	Total Mcf Sales for Month	Sales Applicable to GCBA Recovery	GCBA/Mcf Factor	Recovery/(Refund) per Month	Balance Remaining
(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)	(7)=(Bal)-(6)	
1						Beginning Balance	(\$112,347)
2	May-2021	Prorated	1,429,557.8	634,604.0	(\$0.0458)	(\$29,065)	(\$83,282)
3	Jun-2021		905,633.5	905,633.5	(\$0.0458)	(\$41,478)	(\$41,804)
4	Jul-2021		669,470.7	669,470.7	(\$0.0458)	(\$30,662)	(\$11,142)
5	Aug-2021	Prorated	663,187.7	335,208.0	(\$0.0458)	(\$15,353)	\$4,211
6			Total Amount Recovered/(Refunded) During Period			(\$116,558)	
7			Remaining Balance to Transfer to Exhibit C-1, Page 1 of 3			\$4,211	

LOUISVILLE GAS AND ELECTRIC COMPANY

Gas Supply Clause: 2021-00368

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 COMPANY
Calculation of Refund Factor
For Service Rendered On and After November 1, 2021

NO REFUNDS CURRENTLY

Line No.	Effective Date	Case Number	Total Cash Refund Related to Demand	Plus Interest on Refundable Amount	Expected Refund		Expected Mcf Sales for the 12- month Period	Refund Factor per Mcf (\$/Mcf)	Refund Factor per Ccf (\$/Ccf)
					Obligation Including Interest	(5)=(3)+(4)			
(1)	(2)	(3)	(4)	(5)	(6)	(7) = (5)/(6)	(8)		
1	Nov-2021	2021-00368	\$ -	\$ -	\$ -	32,260,172	\$ -	-	
2	Aug-2021	2021-00251	\$ -	\$ -	\$ -	31,991,370	\$ -	-	
3	May-2021	2021-00130	\$ -	\$ -	\$ -	31,506,060	\$ -	-	
4	Feb-2021	2020-00401	\$ -	\$ -	\$ -	30,944,436	\$ -	-	
5						Total Refund Factor	\$0.0000		

LOUISVILLE GAS AND ELECTRIC COMPANY
 Refund Returned Under RA Factor
 For Service Rendered On and After November 1, 2021

Case No. 2020-00204

Line No.	Recovery Period (1)	Comments (2)	Mcf Sales for Sales Customers (3)	Mcf Sales for TS Customers (4)	RA/Mcf Factor (5)	Amount Refunded per Month (6)=(3+4)x(5)	Balance (7)=(Bal)-(6)
1						Beginning Balance	\$0.00
2	Aug-20	Prorated	313,543	54,045	\$0.0000	\$0	\$0
3	Sep-20		678,361	66,051	\$0.0000	\$0	\$0
4	Oct-20		954,842	74,502	\$0.0000	\$0	\$0
5	Nov-20		862,002	71,474	\$0.0000	\$0	\$0
6	Dec-20		3,983,948	44,430	\$0.0000	\$0	\$0
7	Jan-21		5,628,859	22,918	\$0.0000	\$0	\$0
8	Feb-21		2,867,715	29,602	\$0.0000	\$0	\$0
9	Mar-21		4,847,832	40,091	\$0.0000	\$0	\$0
10	Apr-21		2,307,300	65,876	\$0.0000	\$0	\$0
11	May-21		634,604	64,697	\$0.0000	\$0	\$0
12	Jun-21		906,157	63,212	\$0.0000	\$0	\$0
13	Jul-21		659,593	57,936	\$0.0000	\$0	\$0
14	Aug-21	Prorated	327,980	0	\$0.0000	\$0	\$0
					Amount Refunded	\$0	
15			Remaining Balance to Transfer to Exhibit C-1, Page 1 of 3			\$0	

LOUISVILLE GAS AND ELECTRIC COMPANY

**Gas Supply Clause: 2021-00368
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.

As shown in the following table, the PBRRC amount which becomes effective with gas service rendered on and after February 1, 2021 and will remain in effect until January 31, 2022 is \$0.00767 and \$0.00277 per 100 cubic feet for sales and Rider TS-2 volumes, respectively:

	<u>Sales Volumes</u>	<u>Transportation Volumes</u>
Commodity-Related Portion	\$ 0.00490 /Ccf	\$ - /Ccf
Demand-Related Portion	\$ 0.00277 /Ccf	\$ 0.00277 /Ccf
Total PBRRC	\$ 0.00767 /Ccf	\$ 0.00277 /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, 2021 with Gas Supply Clause Case No. 2020-00401
Shareholder Portion of PBR Savings
PBR Year 23

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)	\$1,525,729	\$876,616	\$2,402,345
2	Expected Mcf Sales for the 12 month period beginning February 1, 2021	31,155,938	31,649,735	
3	PBRRC factor per Mcf	\$0.0490	\$0.0277	\$0.0767
4	PBRRC factor per Ccf	\$0.00490	\$0.00277	\$0.00767

LOUISVILLE GAS AND ELECTRIC COMPANY

Gas Supply Clause: 2021-00368
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.

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, 2020 and November 1, 2021 is:

With Service Elected Effective	Applicable Components of GCAA	Applicable Components of GCBA	Applicable Components of PBRRC	Total
November 1, 2020	\$ (0.0109) /Mcf	\$ 0.0023 /Mcf	\$ 0.0767 /Mcf	\$ 0.0681 /Mcf
November 1, 2021	\$ 0.3033 /Mcf	\$ 0.0023 /Mcf	\$ 0.0767 /Mcf	\$ 0.3823 /Mcf

LOUISVILLE GAS AND ELECTRIC COMPANY

Gas Supply Clause 2021-00368
 Gas Cost True-Up Charge Applicable to Customers
 Served Under Rate FT and Rider TS-2
 For Service Rendered On and After November 1, 2021

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, 2020	(\$0.0109)	\$0.0023	\$0.0767	\$0.0681
2	November 1, 2021	\$0.3033	\$0.0023	\$0.0767	\$0.3823

LOUISVILLE GAS AND ELECTRIC COMPANY

**GAS SERVICE RATES EFFECTIVE WITH SERVICE
RENDERED FROM
November 1, 2021 through January 31, 2022**

RATE PER 100 CUBIC FEET

	BASIC SERVICE CHARGE (PER DAY)	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	ECONOMIC RELIEF SURCREDIT	TOTAL
RATE RGS - RESIDENTIAL/RATE VFD - VOLUNTEER FIRE DEPARTMENT									
BASIC SERVICE CHARGE ALL CCF	\$0.65	\$1.92		\$0.50883	\$0.59129	\$0.00204	\$0.02988	(\$0.00619)	\$1.12585
RATE CGS - COMMERCIAL (meter capacity < 5000 CF/HR)									
BASIC SERVICE CHARGE	\$2.30	\$9.49							
APRIL THRU OCTOBER									
FIRST 1000 CCF/MONTH				\$0.38207	\$0.59129	\$0.00079	\$0.02412	(\$0.00619)	\$0.99208
OVER 1000 CCF/MONTH				\$0.33207	\$0.59129	\$0.00079	\$0.02412	(\$0.00619)	\$0.94208
NOVEMBER THRU MARCH ALL CCF				\$0.38207	\$0.59129	\$0.00079	\$0.02412	(\$0.00619)	\$0.99208
RATE CGS - COMMERCIAL (meter capacity >= 5000 CF/HR)									
BASIC SERVICE CHARGE	\$11.00	\$9.49							
APRIL THRU OCTOBER									
FIRST 1000 CCF/MONTH				\$0.38207	\$0.59129	\$0.00079	\$0.02412	(\$0.00619)	\$0.99208
OVER 1000 CCF/MONTH				\$0.33207	\$0.59129	\$0.00079	\$0.02412	(\$0.00619)	\$0.94208
NOVEMBER THRU MARCH ALL CCF				\$0.38207	\$0.59129	\$0.00079	\$0.02412	(\$0.00619)	\$0.99208
RATE IGS - INDUSTRIAL (meter capacity < 5000 CF/HR)									
BASIC SERVICE CHARGE	\$5.42	\$113.72							
APRIL THRU OCTOBER									
FIRST 1000 CCF/MONTH				\$0.27023	\$0.59129	\$0.00079	\$0.01470	(\$0.00619)	\$0.87082
OVER 1000 CCF/MONTH				\$0.22023	\$0.59129	\$0.00079	\$0.01470	(\$0.00619)	\$0.82082
NOVEMBER THRU MARCH ALL CCF				\$0.27023	\$0.59129	\$0.00079	\$0.01470	(\$0.00619)	\$0.87082
RATE IGS - INDUSTRIAL (meter capacity >= 5000 CF/HR)									
BASIC SERVICE CHARGE	\$24.64	\$113.72							
APRIL THRU OCTOBER									
FIRST 1000 CCF/MONTH				\$0.27023	\$0.59129	\$0.00079	\$0.01470	(\$0.00619)	\$0.87082
OVER 1000 CCF/MONTH				\$0.22023	\$0.59129	\$0.00079	\$0.01470	(\$0.00619)	\$0.82082
NOVEMBER THRU MARCH ALL CCF				\$0.27023	\$0.59129	\$0.00079	\$0.01470	(\$0.00619)	\$0.87082
ALL MCF	<u>(PER MONTH)</u>			\$1.77390	\$5.9129	\$0.00790	\$0.14700	(\$0.06190)	\$7.77980
RATE SGSS - COMMERCIAL									
BASIC SERVICE CHARGE	\$335.00	\$9.49							
MONTHLY BILLING DEMAND			\$7.17						
ALL MCF				\$0.41060	\$5.9129	\$0.00790	\$0.24120	(\$0.06190)	\$6.51070
RATE SGSS - INDUSTRIAL									
BASIC SERVICE CHARGE	\$750.00	\$9.49							
MONTHLY BILLING DEMAND			\$10.89						
ALL MCF				\$0.31000	\$5.9129	\$0.00790	\$0.24120	(\$0.06190)	\$6.41010
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	GAS LINE TRACKER TRANSMISSION PROJECTS COMPONENT	TOTAL
RATE DGGS - COMMERCIAL & INDUSTRIAL (meter capacity < 5000 CF/HR)									
BASIC SERVICE CHARGE	\$165.00	\$113.72							
MONTHLY BILLING DEMAND			\$1.08900						
ALL CCF				\$0.03100	\$0.59129		\$0.01470	(\$0.00619)	\$0.63080
RATE DGGS - COMMERCIAL & INDUSTRIAL (meter capacity >= 5000 CF/HR)									
BASIC SERVICE CHARGE	\$750.00	\$113.72							
MONTHLY BILLING DEMAND			\$1.08900						
ALL CCF				\$0.03100	\$0.59129		\$0.01470	(\$0.00619)	\$0.63080

EFFECTIVE RATES FOR RIDER TS-2 TRANSPORTATION SERVICE

GAS SERVICE RATES EFFECTIVE WITH SERVICE
RENDERED FROM
November 1, 2021 through January 31, 2022

Charges in addition to Customer's Retail Rate	ADMIN. CHARGE (PER MONTH)	RATE PER MCF	
			PIPELINE SUPPLIER'S DEMAND COMPONENT
Rider TS-2			
RATE CGS - COMMERCIAL	\$550.00		
APRIL THRU OCTOBER			
FIRST 100 MCF/MONTH			\$0.9093
OVER 100 MCF/MONTH			\$0.9093
NOVEMBER THRU MARCH			
ALL MCF			\$0.9093
RATE IGS - INDUSTRIAL	\$550.00		
APRIL THRU OCTOBER			
FIRST 100 MCF/MONTH			\$0.9093
OVER 100 MCF/MONTH			\$0.9093
NOVEMBER THRU MARCH			
ALL MCF			\$0.9093
Rate AAGS	\$550.00		\$0.9093
Rate DGGs	\$550.00		\$0.9093

L G & E

Charges for Gas Transportation Services Provided Under Rate FT

November 1, 2021 through January 31, 2022

Transportation Service:

Monthly Transportation Administrative Charge	\$550.00
Basic Service Charge	\$750.00
Demand Charge / Mcf Delivered	\$7.08
Distribution Charge / Mcf Delivered	\$0.0456
Gas Line Tracker Transmission Projects / Mcf Delivered	\$0.0123
Demand-Side Management Cost Recovery Mechanism / Mcf Delivered	\$0.0079
Economic Relief Surcredit / Mcf Delivered	(\$0.0619)

Ancillary Services:

Daily Demand Charge	\$0.1696
Daily Storage Charge	<u>\$0.3797</u>
Utilization Charge per Mcf for Daily Balancing	\$0.5493

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%

L G & E

Charges for Gas Delivery Services Provided Under Rate LGDS

November 1, 2021 through January 31, 2022

Delivery Service

Monthly Transportation Administrative Charge	\$550.00
Basic Service Charge	\$750.00
Demand Charge / Mcf Delivered	\$7.08
Distribution Charge / Mcf Delivered	\$0.0456
Gas Line Tracker Transmission Projects / Mcf Delivered	\$0.0123
Economic Relief Surcredit / Mcf Delivered	(\$0.0619)

Ancillary Services:

Daily Demand Charge	\$0.1696
Daily Storage Charge	<u>\$0.3797</u>
Utilization Charge per Mcf for Daily Balancing	\$0.5493

Cash-Out Provision for Monthly Imbalances

Percentage to be
Multiplied by
Cash-Out Price as Decribed 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%
