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PUBLIC SERVICE
COMMISSION



Ms. Linda Bridwell
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40601-8294

**Louisville Gas and Electric
Company**
State Regulation and Rates
220 West Main Street
PO Box 32010
Louisville, Kentucky 40232
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December 31, 2020

Andrea M. Fackler
Manager, Revenue
Requirement/Cost of Service
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Re: *Performance Based Ratemaking Mechanism*

Dear Ms. Bridwell:

Pursuant to the Commission's Order in Case No. 2014-00476, dated June 30, 2015, and in accordance with the terms of the Commission's March 16, 2020 and March 24, 2020 Orders in Case No. 2020-00085 ("Electronic Emergency Docket Related to the Novel Coronavirus COVID-19") ("COVID-19 Orders"), Louisville Gas and Electric Company ("LG&E") herewith files support for its Performance Based Ratemaking Mechanism ("PBR") for the period beginning November 1, 2019 and ending October 31, 2020. The original filing in paper medium and ten copies of the report will be delivered to the Commission consistent with the COVID-19 Orders.

If you have any questions regarding this matter, please contact Clay Murphy, Director of Gas Management, Planning, and Supply at (502) 627-2424.

Sincerely,

A handwritten signature in black ink that reads 'Andrea M. Fackler'.

Andrea M. Fackler

**Activity Under LG&E’s Performance-Based Ratemaking (“PBR”) Mechanism
for the PBR Period for the 12 Months Ended October 31, 2020**

Attached is a summary of LG&E’s activity and the supporting documentation for the PBR mechanism covering the entirety of PBR Year 23 (November 1, 2019, through October 31, 2020) of LG&E’s gas supply cost PBR mechanism. LG&E is making this annual filing in accordance with the Order in Case No. 2014-00476 dated June 30, 2015. This information has also been used as the basis for the calculation and filing of the applicable PBR Recovery Component (“PBRRC”) effective February 1, 2021.

General Discussion: The results for this PBR period cannot and should not be extrapolated for subsequent PBR periods. The results shown in this filing compare the various calculated benchmarks against actual gas costs for each PBR component by month. The actual gas costs and volumes set forth herein do not correspond to the dollars and volumes actually booked and reported by LG&E as purchased gas costs for the period as reported in LG&E’s Gas Supply Clause (“GSC”). In order to match actual costs with the appropriate monthly benchmarks, the actual costs and volumes used herein reflect adjustments made to LG&E’s costs and volumes, not in the month the adjustments were made and booked, but in the month for which the adjustments were applicable.

Information Required to be Reported: As required by the Commission, the following information is being supplied as a part of this filing.

Calculated Results: During the 12 months ended October 31, 2020, LG&E has achieved the following results:

	<u>PBR-GAIF</u>	<u>PBR-TIF</u>	<u>PBR-OSSIF</u>	<u>Total</u>
Nov. 2019	\$244,801	\$178,784	\$0	\$423,585
Dec.	\$274,132	\$178,784	\$0	\$452,916
Jan. 2020	\$141,133	\$178,784	\$0	\$319,917
<i>Qtr. Subtotal</i>	\$660,066	\$536,352	\$0	\$1,196,418
Feb.	\$69,002	\$178,784	\$0	\$247,786
Mar.	\$93,059	\$178,784	\$0	\$271,843
Apr.	\$184,109	\$178,784	\$0	\$362,893
<i>Qtr. Subtotal</i>	\$346,170	\$536,352	\$0	\$882,522

	<u>PBR-GAIF</u>	<u>PBR-TIF</u>	<u>PBR-OSSIF</u>	<u>Total</u>
<i>May</i>	\$73,674	\$200,484	\$0	\$274,158
<i>Jun.</i>	\$103,737	\$178,784	\$0	\$282,521
<i>Jul.</i>	\$505,796	\$212,884	\$0	\$718,680
<i>Qtr. Subtotal</i>	\$683,207	\$592,152	\$0	\$1,275,359
<i>Aug.</i>	\$696,653	\$178,784	\$0	\$875,437
<i>Sep.</i>	\$511,143	\$178,784	\$0	\$689,927
<i>Oct.</i>	\$933,954	\$178,784	\$0	\$1,112,738
<i>Qtr. Subtotal</i>	\$2,141,750	\$536,352	\$0	\$2,678,102
<i>Total</i>	\$3,831,193	\$2,201,208	\$0	\$6,032,401

The supporting calculations are enclosed with this filing.

PBR—Gas Acquisition Index Factor (“GAIF”) is an incentive mechanism for gas commodity costs. Under this component, LG&E benchmarks its gas commodity costs against a calculated benchmark representative of the market price of gas by using various industry-accepted price postings. Factors affecting LG&E’s performance under this portion of the PBR mechanism are discussed below.

For the entirety of the months of December 2019, February 2020, and June through and including October 2020, the *Platts Gas Daily* midpoint postings for “Louisiana - Onshore South, Texas Gas, Zone SL” (currently styled by Platts as “Louisiana/Southeast, Texas Gas, Zone SL”) failed to post. This price posting is one of the components of the Supply Area Index for TGT-SL. In accordance with the tariff language “[i]f an index ceases to exist or fails to report, the Company may use a suitable replacement index and report that change to the Commission in the applicable quarterly report.” As further outlined in LG&E’s report in Case No. 2014-00476, when an index fails to post, “the posting for the proximate zone on the same pipeline may be used as the replacement index.” Therefore, LG&E has used the “Louisiana - Onshore South, Texas Gas, Zone 1” (currently styled by Platts as “Louisiana/Southeast, Texas Gas, Zone 1”) posting in lieu of daily TGT Zone SL (both published by *Platts Gas Daily*) for the period when it was unavailable.

Purchasing Practices and Strategy: *LG&E has sought to generate savings under the PBR mechanism by (1) aggressively managing gas supplies to ensure that purchases will be made at less than applicable gas supply indices, (2) purchasing gas at capacity-constrained points at which points natural gas is typically priced at less than the referenced indices, and (3) maximizing the use of LG&E’s on-system storage and off-system contract storage by accelerating or deferring injections (or withdrawals) in order*

to maximize savings under the PBR mechanism. LG&E has not used any financial instruments to date in pursuing its objectives under the PBR mechanism.

Composition of Savings: Total savings under the PBR-GAIF component of the mechanism is \$3,831,193.

PBR – Transportation Index Factor (“TIF”) is an incentive mechanism for pipeline transportation costs. With this component, LG&E benchmarks its pipeline transportation costs against the transportation rates filed with the Federal Energy Regulatory Commission (“FERC”) by either Texas Gas Transmission, LLC (“Texas Gas”) or Tennessee Gas Pipeline Company, LLC (“Tennessee”), as applicable.

Purchasing Practices and Strategy: LG&E has sought to ensure that savings result under the PBR mechanism by (1) aggressively negotiating pipeline discounts, and (2) releasing pipeline capacity when not required by LG&E to serve its customers. Factors affecting LG&E’s performance under this portion of the PBR mechanism are discussed below.

Texas Gas Transmission LLC Rate Case: The rates charged by Texas Gas are final rates and are not being billed subject to refund.

Tennessee Gas Pipeline Company: The rates charged by Tennessee Gas are final rates and are not being billed subject to refund.

Composition of Savings by Pipeline: Total savings under the PBR-TIF component of the PBR is \$2,201,208. The portion of savings attributable to Texas Gas under PBR-TIF is \$55,800. The portion of savings attributable to Tennessee under PBR-TIF is \$2,145,408. On a combined pipeline basis, the portion of savings attributable to any commodity discounts is \$0, and the portion of savings attributable to any demand discounts and capacity release activity is \$2,201,208.

PBR – Off-System Sales Index Factor (“OSSIF”) is an incentive mechanism for off-system sales. LG&E may be in a position to sell natural gas or transportation services or both above cost.

Off-System Sales Activity: LG&E makes off-system sales when the opportunity arises to generate savings, and LG&E had natural gas under contract and available for sale. These off-system sales are made to entities which are not affiliated with LG&E. During the period covered by this report, LG&E made no off-system sales.

PBR Amounts and Demand/Commodity Allocation: Following is a summary of the various PBR components in total for the 12 months ended October 31, 2020. Under the revised sharing mechanism approved by the Commission in its Order dated June 30, 2015, in Case No. 2014-00476, LG&E’s share in any savings or expenses is 25% for all savings or expenses up to 3.0% of Total Actual Gas Supply Costs (“TAGSC”), which is the sum of Actual Gas Costs (“AGC”) and Total Actual Annual Gas Transportation Costs

("TAAGTC"). For savings (or expenses) in excess of 3.0% of TAGSC, LG&E's share is 50%.

Total savings for PBR Year 23 were \$6,032,401, and TAGSC was \$81,847,388, which is the sum of \$57,806,087 in AGC and \$24,041,301 in TAAGTC. Therefore, savings as a percentage of TAGSC were 7.37% ($\$6,032,401 / \$81,847,388$). Hence, all of the savings up to \$2,455,422 ($3.0\% \times \$81,847,388$) are shared with 25% allocated to LG&E and the remaining 75% being retained by customers as having already been reflected in LG&E's GSCC. The portion of the savings in excess of that amount, or \$3,576,979 ($\$6,032,401 - \$2,455,422$), is the subject of the 50% sharing tier.

Therefore, the initial tier of the sliding scale is allocated on a 25/75 basis with \$613,855 ($25\% \times \$2,455,422$) being allocated to the Company and \$1,841,567 ($75\% \times \$2,455,422$) being allocated to customers. The second tier is subject to sharing on a 50/50 basis with \$1,788,490 ($50\% \times \$3,576,979$) being allocated to the Company and \$1,788,489 ($50\% \times \$3,576,979$) being allocated to customers. Therefore, the total portion of the savings being retained by customers is \$3,630,056 ($\$1,841,567 + \$1,788,489$); and the total portion of the savings being allocated to the Company and collected from customers is \$2,420,345 ($\$613,855 + \$1,788,490$). Therefore, the CSPBR to be collected for the Company from customers by means of the PBRRC (as a part of the GSCC) is \$2,402,345.

The total to be collected for the Company from customers through the GSCC is \$2,402,345. This amount must be segregated into its respective commodity (or volumetric) and demand (or fixed) components in order to properly recover the amounts from sales and standby transportation customers. Of this total amount, \$876,616 is to be recovered for the Company from sales and standby transportation customers through the Pipeline Supplier's Demand Component as a demand component. The remaining \$1,525,729 is to be recovered for the Company from sales customers through the GSCC. The calculation of the split as between demand and commodity is set forth as a part of the attached PBR calculations.

Labor and Operating and Maintenance ("O&M") Costs: The PBR mechanism requires that LG&E exclude labor-related or other expenses typically classified as O&M expenses from the determination of any savings or expenses under the PBR mechanism. LG&E is required to report any costs required to implement the PBR mechanism. Inasmuch as such costs cannot be shared between Company and Customer, LG&E has sought to minimize incremental costs. LG&E has not incurred any significant quantifiable costs during the period covered by this report for activity under the PBR mechanism.

**PBR CALCULATIONS FOR THE 12 MONTHS ENDED
OCTOBER 31, 2020**

**PBR-GAIF
SUPPORTING CALCULATIONS**

**PBR-GAIF
CALCULATION OF BENCHMARK GAS COSTS
("BGC")**

LOUISVILLE GAS AND ELECTRIC COMPANY
GAIF - CALCULATION OF BGC

Column	1	2	3	4	5	6	7	8	9	10	11	12	13
	APV TRANSPORTED UNDER TGT RATE NNS	APV TRANSPORTED UNDER TGT RATE FT	APV TRANSPORTED UNDER TGT RATE STF	APV TRANSPORTED UNDER TGPL FT-A	APV TRANSPORTED UNDER OTHER CAPACITY	TOTAL APV FOR SYSTEM SUPPLY (1+2+3+4+5)	TGT OR TGPL PEFDCQ	APV - PEFDCQ= TOTAL APV FOR SYSTEM SUPPLY (6-7)	TGT ZONE SL 48.07% 22.81%	TGT ZONE 1 20.30% 9.82%	TGT ZONE 4 25.00% 50.53%	TGPL ZONE 0 7.88% 16.84%	TGPL ZONE 1 0.00% 0.00%
									(C. 8 X SZFOE%)	(C. 8 X SZFOE%)	(C. 8 X SZFOE%)	(C. 8 X SZFOE%)	(C. 8 X SZFOE%)
Nov 19	2,147,138	816,021	0	600,000	595,000	4,128,058	0	4,128,058	1,984,839	841,815	976,936	325,370	0
Dec 19	1,289,545	485,000	0	620,000	450,000	2,824,545	0	2,824,545	1,357,758	575,925	668,287	222,574	0
Jan 20	539,752	435,000	0	280,000	249,000	1,494,752	0	1,494,752	718,527	304,780	353,658	117,787	0
Feb 20	958,140	510,000	0	480,000	0	1,948,140	0	1,948,140	936,471	397,226	460,930	153,513	0
Mar 20	876,315	649,291	0	80,000	0	1,605,596	0	1,605,596	771,810	327,381	379,884	128,521	0
Apr 20	785,950	710,000	0	80,000	0	1,555,950	0	1,555,950	354,912	152,794	786,222	262,022	0
May 20	801,315	745,000	0	180,000	0	1,726,315	0	1,726,315	1,728,315	393,773	189,524	872,307	290,711
Jun 20	888,760	1,140,000	0	600,000	0	2,408,760	0	2,408,760	549,438	236,540	1,217,147	405,635	0
Jul 20	777,728	1,240,000	0	505,000	927,088	3,449,817	0	3,449,817	786,903	338,772	1,743,193	580,949	0
Aug 20	1,587,228	1,860,000	0	310,000	0	3,757,228	0	3,757,228	857,024	368,960	1,898,527	632,717	0
Sep 20	1,883,637	1,797,994	0	300,000	0	3,781,631	0	3,781,631	862,580	371,356	1,910,858	636,827	0
Oct 20	1,839,197	1,860,000	0	350,000	0	3,849,197	0	3,849,197	878,002	377,991	1,944,999	648,205	0
Total	13,734,705	12,249,196	0	4,385,000	2,182,088	32,530,990	0	32,530,990	10,452,048	4,463,164	13,212,947	4,402,851	0

Column	14	15	16	17	18	19	20	21	22	23	24	25
	SAI TGT-SL	APV x SAI TGT-SL (9X14)	SAI TGT-Z1	APV x SAI TGT-Z1 (10X18)	SAI TGT-Z4	APV x SAI TGT-Z4 (11X18)	SAI TGPL-20	APV x SAI TGPL-20 (12X20)	SAI TGPL-Z1	APV x SAI TGPL-Z1 (13X22)	DAI	TOTAL BMGCC (15+17+19+21+23+24)
Nov 19	\$2,4933	\$4,648,799	\$2,4372	\$2,051,916	\$2,4391	\$2,382,842	\$2,4333	\$791,723	\$2,6449	\$0	\$0	\$10,175,279
Dec 19	\$2,1814	\$2,981,815	\$2,1374	\$1,230,982	\$2,1744	\$1,453,123	\$2,1260	\$473,860	\$2,2294	\$0	\$0	\$6,119,760
Jan 20	\$1,9880	\$1,428,995	\$1,9344	\$69,566	\$1,9527	\$890,588	\$1,9323	\$227,800	\$2,0013	\$0	\$0	\$2,934,749
Feb 20	\$1,7881	\$1,672,631	\$1,7544	\$696,893	\$1,7461	\$804,830	\$1,7738	\$272,301	\$1,8105	\$0	\$0	\$3,446,655
Mar 20	\$1,5953	\$1,231,298	\$1,5948	\$522,107	\$1,5703	\$596,532	\$1,6346	\$268,799	\$1,7032	\$0	\$0	\$2,558,708
Apr 20	\$1,5936	\$695,588	\$1,5488	\$236,342	\$1,5289	\$1,200,482	\$1,5647	\$409,986	\$1,6154	\$0	\$0	\$2,412,398
May 20	\$1,6525	\$652,523	\$1,6261	\$275,883	\$1,6123	\$1,406,421	\$1,6413	\$477,144	\$1,6901	\$0	\$0	\$2,821,751
Jun 20	\$1,5547	\$854,211	\$1,5314	\$362,237	\$1,5181	\$1,947,751	\$1,5397	\$824,556	\$1,5837	\$0	\$0	\$3,888,755
Jul 20	\$1,5753	\$1,240,395	\$1,5548	\$526,655	\$1,5378	\$2,880,882	\$1,5541	\$902,653	\$1,5932	\$0	\$0	\$5,350,585
Aug 20	\$1,9876	\$1,703,421	\$1,9423	\$716,831	\$1,9088	\$3,623,908	\$1,9922	\$1,280,499	\$2,0470	\$0	\$0	\$7,304,459
Sep 20	\$2,0046	\$1,729,148	\$1,9487	\$723,891	\$1,9301	\$3,685,147	\$2,0643	\$1,314,602	\$2,0855	\$0	\$0	\$7,455,558
Oct 20	\$1,9325	\$1,696,739	\$1,8992	\$706,541	\$1,8584	\$3,614,586	\$2,0899	\$1,352,739	\$2,0335	\$0	\$0	\$7,370,605
Total		\$20,693,533		\$8,639,193		\$23,069,892		\$8,314,662		\$0	\$0	\$61,637,280

**PBR-GAIF
CALCULATION OF ACTUAL GAS COSTS
("AGC")**

LOUISVILLE GAS AND ELECTRIC COMPANY
GAS ACQUISITION INDEX FACTOR - CALCULATION OF AGC

Column	1	2	3	4	5	6	7	8	9	10
	APV TRANSPORTED UNDER LG&E'S TGT RATE NNS	COST OF GAS TRANSPORTED UNDER LG&E'S RATE NNS	APV TRANSPORTED UNDER LG&E'S TGT RATE FT	COST OF GAS TRANSPORTED UNDER LG&E'S TGT RATE FT	APV TRANSPORTED UNDER LG&E'S TGT RATE STF	COST OF GAS TRANSPORTED UNDER LG&E'S TGT RATE STF	APV TRANSPORTED UNDER LG&E'S TGPL RATE FT-A	COST OF GAS TRANSPORTED UNDER LG&E'S TGPL RATE FT-A	APV TRANSPORTED UNDER OTHER CAPACITY	COST OF GAS TRANSPORTED UNDER OTHER CAPACITY
Nov 19	2,147,138	\$5,155,722	816,921	\$1,984,506	0	\$0	600,000	\$1,412,700	565,000	\$1,377,550
Dec 19	1,269,545	\$2,641,448	485,000	\$1,002,875	0	\$0	620,000	\$1,251,800	450,000	\$949,525
Jan 20	539,752	\$1,034,941	435,000	\$775,425	0	\$0	280,000	\$528,000	240,000	\$455,250
Feb 20	958,140	\$1,651,053	510,000	\$890,400	0	\$0	480,000	\$836,200	0	\$0
Mar 20	876,315	\$1,348,376	649,281	\$989,671	0	\$0	80,000	\$125,600	0	\$0
Apr 20	785,950	\$1,123,464	710,000	\$1,009,725	0	\$0	60,000	\$95,100	0	\$0
May 20	801,315	\$1,279,502	745,000	\$1,182,400	0	\$0	180,000	\$286,175	0	\$0
Jun 20	668,760	\$897,668	1,140,000	\$1,689,750	0	\$0	600,000	\$897,600	0	\$0
Jul 20	777,728	\$1,065,487	1,240,000	\$1,711,200	0	\$0	505,000	\$691,525	927,089	\$1,376,577
Aug 20	1,587,228	\$2,798,556	1,860,000	\$3,270,350	0	\$0	310,000	\$538,900	0	\$0
Sep 20	1,663,637	\$3,106,136	1,797,994	\$3,290,629	0	\$0	300,000	\$547,650	0	\$0
Oct 20	1,839,197	\$2,823,101	1,860,000	\$3,147,550	0	\$0	350,000	\$666,000	0	\$0
	13,734,705	\$24,825,454	12,249,196	\$20,944,481	0	\$0	4,365,000	\$7,877,250	2,182,089	\$4,158,902

Column	11	12
	TOTAL TRANSPORT GAS (1+3+5+7+9)	TOTAL GAS COMMODITY COSTS (2+4+6+8+10)
Nov 19	4,129,059	\$9,930,478
Dec 19	2,824,545	\$5,845,648
Jan 20	1,494,752	\$2,793,616
Feb 20	1,948,140	\$3,377,653
Mar 20	1,605,596	\$2,463,647
Apr 20	1,555,950	\$2,228,289
May 20	1,726,315	\$2,748,077
Jun 20	2,408,760	\$3,585,018
Jul 20	3,449,817	\$4,844,789
Aug 20	3,757,228	\$6,607,806
Sep 20	3,781,631	\$6,944,415
Oct 20	3,849,197	\$6,436,651
Total	32,530,980	\$57,806,087

PBR-GAIF
CALCULATION OF SAVINGS AND/OR EXPENSES

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF SAVINGS AND EXPENSES
 UNDER PBR GAS ACQUISITION FACTOR ("GAIF")

Column	1	2	3
	BGC FROM COL. 25	AGC FROM COL. 11	SAVINGS/ (EXPENSES) (1 - 2)
Nov 19	\$10,175,279	\$9,930,478	\$244,801
Dec 19	\$6,119,780	\$5,845,648	\$274,132
Jan 20	\$2,934,749	\$2,793,616	\$141,133
Feb 20	\$3,446,655	\$3,377,653	\$69,002
Mar 20	\$2,556,706	\$2,463,647	\$93,059
Apr 20	\$2,412,398	\$2,228,289	\$184,109
May 20	\$2,821,751	\$2,748,077	\$73,674
Jun 20	\$3,688,755	\$3,585,018	\$103,737
Jul 20	\$5,350,585	\$4,844,789	\$505,796
Aug 20	\$7,304,459	\$6,607,806	\$696,653
Sep 20	\$7,455,558	\$6,944,415	\$511,143
Oct 20	\$7,370,605	\$6,436,651	\$933,954
Total	\$61,637,280	\$57,806,087	\$3,831,193

**PBR-GAIF
INDICES**

**PBR-GAIF
INDICES
TEXAS GAS – ZONE SL**

LOUISVILLE GAS AND ELECTRIC
CALCULATION OF SUPPLY AREA INDICES
SAI (TGT-SL)

	NATURAL GAS WEEK LOUISIANA, GULF COAST, ONSHORE	PLATTS GAS DAILY AVERAGE LOUISIANA/ SOUTHEAST, TX. GAS, ZONE SL	PLATTS INSIDE FERC's GAS MARKET REPORT LOUISIANA/SOUTHEAST TEXAS GAS, ZONE SL	AVERAGE
Nov. 19	\$2.5650	\$2.4950	\$2.4200	\$2.4933
Dec. 19	\$2.1560	\$2.0381 *	\$2.3500	\$2.1814
Jan. 20	\$1.9800	\$1.9381	\$2.0400	\$1.9860
Feb. 20	\$1.8300	\$1.7583 *	\$1.7700	\$1.7861
Mar. 20	\$1.6860	\$1.4000	\$1.7000	\$1.5953
Apr. 20	\$1.6325	\$1.6783	\$1.4700	\$1.5936
May 20	\$1.6725	\$1.6750	\$1.7000	\$1.6825
Jun. 20	\$1.5560	\$1.4982 *	\$1.6100	\$1.5547
Jul. 20	\$1.6675	\$1.6513 *	\$1.4100	\$1.5763
Aug. 20	\$2.1280	\$2.0648 *	\$1.7700	\$1.9876
Sep. 20	\$1.8800	\$1.7437 *	\$2.3900	\$2.0046
Oct. 20	\$1.9700	\$2.0176 *	\$1.8100	\$1.9325

* *Platts Gas Daily*, Midpoint price for "Louisiana/Southeast, Texas Gas Zone SL" failed to post on any day during the months of December 2019, February 2020, June 2020, July 2020, August, September and October 2020. Texas Gas Zone 1 was used as the replacement index for Texas Gas Zone SL because it was the proximate pipeline zone.

CALCULATION OF AVERAGE NATURAL GAS WEEK PRICE BY MONTH
FOR TEXAS GAS ZONE SL

NATURAL GAS WEEK LOUISIANA, GULF COAST, ONSHORE			MONTHLY AVERAGE	NATURAL GAS WEEK LOUISIANA, GULF COAST, ONSHORE			MONTHLY AVERAGE
11/04/2019	\$2.4600			05/04/2020	\$1.6500		
11/11/2019	\$2.7100			05/11/2020	\$1.7800		
11/18/2019	\$2.6200			05/18/2020	\$1.5800		
11/25/2019	\$2.4700	\$2.5650		05/25/2020	\$1.6800	\$1.6725	
12/02/2019	\$2.2800			06/01/2020	\$1.6500		
12/09/2019	\$2.2100			06/08/2020	\$1.6200		
12/16/2019	\$2.1700			06/15/2020	\$1.6000		
12/23/2019	\$2.2200			06/22/2020	\$1.4300		
12/30/2019	\$1.9000	\$2.1560		06/29/2020	\$1.4800	\$1.5560	
01/06/2020	\$1.9800			07/06/2020	\$1.5500		
01/13/2020	\$2.0000			07/13/2020	\$1.7500		
01/20/2020	\$2.0300			07/20/2020	\$1.7100		
01/27/2020	\$1.9100	\$1.9800		07/27/2020	\$1.6600	\$1.6675	
02/03/2020	\$1.8200			08/03/2020	\$1.7300		
02/10/2020	\$1.8000			08/10/2020	\$2.0700		
02/17/2020	\$1.7900			08/17/2020	\$2.1300		
02/24/2020	\$1.9100	\$1.8300		08/24/2020	\$2.2900		
03/02/2020	\$1.7600			08/31/2020	\$2.4200	\$2.1280	
03/09/2020	\$1.7100			09/07/2020	\$2.0600		
03/16/2020	\$1.8100			09/14/2020	\$1.9900		
03/23/2020	\$1.6000			09/21/2020	\$1.8000		
03/30/2020	\$1.5500	\$1.6860		09/28/2020	\$1.6700	\$1.8800	
04/06/2020	\$1.4800			10/05/2020	\$1.3600		
04/13/2020	\$1.6700			10/12/2020	\$1.7000		
04/20/2020	\$1.6300			10/19/2020	\$2.1200		
04/27/2020	\$1.7500	\$1.6325		10/26/2020	\$2.7000	\$1.9700	

PBR YEAR TWENTY-TWO PLATTS GAS DAILY MIDPOINT PRICE
 LOUISIANA/SOUTHEAST, TX. GAS, ZONE SL

NOVEMBER 2019		DECEMBER 2019		JANUARY 2020		FEBRUARY 2020		MARCH 2020		APRIL 2020	
DAY	MIDPOINT	MIDPOINT		MIDPOINT		DAY	MIDPOINT	MIDPOINT		MIDPOINT	
1	\$ 2.4050	\$ -		\$ -		1	\$ -	\$ -		\$ 1.5800	
2	\$ 2.2900	\$ -		\$ -		2	\$ -	\$ -		\$ 1.4950	
3	\$ 2.2900	\$ -		\$ -		3	\$ -	\$ -		\$ -	
4	\$ 2.2900	\$ -		\$ -		4	\$ -	\$ -		\$ -	
5	\$ 2.5050	\$ -		\$ -		5	\$ -	\$ -		\$ -	
6	\$ -	\$ -		\$ -		6	\$ -	\$ -		\$ -	
7	\$ 2.6950	\$ -		\$ -		7	\$ -	\$ -		\$ -	
8	\$ -	\$ -		\$ -		8	\$ -	\$ -		\$ -	
9	\$ -	\$ -		\$ -		9	\$ -	\$ -		\$ -	
10	\$ -	\$ -		\$ -		10	\$ -	\$ -		\$ -	
11	\$ -	\$ -		\$ -		11	\$ -	\$ -		\$ -	
12	\$ 2.5850	\$ -		\$ -		12	\$ -	\$ -		\$ -	
13	\$ 2.6250	\$ -		\$ -		13	\$ -	\$ -		\$ -	
14	\$ 2.5600	\$ -		\$ 1.9250		14	\$ -	\$ -		\$ 1.7650	
15	\$ 2.6000	\$ -		\$ 1.9700		15	\$ -	\$ -		\$ 1.6300	
16	\$ 2.5300	\$ -		\$ 1.9300		16	\$ -	\$ -		\$ 1.6000	
17	\$ 2.5300	\$ -		\$ 1.9600		17	\$ -	\$ -		\$ 1.4500	
18	\$ 2.5300	\$ -		\$ 1.9300		18	\$ -	\$ -		\$ 1.6600	
19	\$ -	\$ -		\$ 1.9300		19	\$ -	\$ -		\$ 1.6600	
20	\$ -	\$ -		\$ 1.9300		20	\$ -	\$ -		\$ 1.6600	
21	\$ -	\$ -		\$ 1.9300		21	\$ -	\$ -		\$ 1.6800	
22	\$ -	\$ -		\$ -		22	\$ -	\$ -		\$ 1.7750	
23	\$ -	\$ -		\$ -		23	\$ -	\$ -		\$ 1.8850	
24	\$ -	\$ -		\$ -		24	\$ -	\$ -		\$ -	
25	\$ -	\$ -		\$ -		25	\$ -	\$ -		\$ 1.7500	
26	\$ -	\$ -		\$ -		26	\$ -	\$ -		\$ 1.7500	
27	\$ -	\$ -		\$ -		27	\$ -	\$ -		\$ 1.7500	
28	\$ -	\$ -		\$ -		28	\$ -	\$ 1.3900		\$ 1.6000	
29	\$ -	\$ -		\$ -		29	\$ -	\$ 1.3900		\$ 1.8000	
30	\$ -	\$ -		\$ -		30	\$ -	\$ 1.3900		\$ 1.7200	
31	\$ -	\$ -		\$ -		31	\$ -	\$ 1.4300			
TOTAL	\$ 32.4350	\$ -		\$ 15.5050		TOTAL	\$ -	\$ 5.6000		\$ 30.2100	
POSTINGS	13	0		8		POSTINGS	0	4		18	
AVERAGE	\$ 2.4950	\$ -		\$ 1.9381		AVERAGE	\$ -	\$ 1.4000		\$ 1.6783	

MAY 2020		JUNE 2020		JULY 2020		AUGUST 2020		SEPTEMBER 2020		OCTOBER 2020	
DAY	MIDPOINT	MIDPOINT		MIDPOINT		DAY	MIDPOINT	MIDPOINT		MIDPOINT	
1	\$ 1.6350	\$ -		\$ -		1	\$ -	\$ -		\$ -	
2	\$ 1.5850	\$ -		\$ -		2	\$ -	\$ -		\$ -	
3	\$ 1.5850	\$ -		\$ -		3	\$ -	\$ -		\$ -	
4	\$ 1.5850	\$ -		\$ -		4	\$ -	\$ -		\$ -	
5	\$ 1.6000	\$ -		\$ -		5	\$ -	\$ -		\$ -	
6	\$ 1.8800	\$ -		\$ -		6	\$ -	\$ -		\$ -	
7	\$ 1.7800	\$ -		\$ -		7	\$ -	\$ -		\$ -	
8	\$ 1.7500	\$ -		\$ -		8	\$ -	\$ -		\$ -	
9	\$ -	\$ -		\$ -		9	\$ -	\$ -		\$ -	
10	\$ -	\$ -		\$ -		10	\$ -	\$ -		\$ -	
11	\$ -	\$ -		\$ -		11	\$ -	\$ -		\$ -	
12	\$ -	\$ -		\$ -		12	\$ -	\$ -		\$ -	
13	\$ -	\$ -		\$ -		13	\$ -	\$ -		\$ -	
14	\$ -	\$ -		\$ -		14	\$ -	\$ -		\$ -	
15	\$ -	\$ -		\$ -		15	\$ -	\$ -		\$ -	
16	\$ -	\$ -		\$ -		16	\$ -	\$ -		\$ -	
17	\$ -	\$ -		\$ -		17	\$ -	\$ -		\$ -	
18	\$ -	\$ -		\$ -		18	\$ -	\$ -		\$ -	
19	\$ -	\$ -		\$ -		19	\$ -	\$ -		\$ -	
20	\$ -	\$ -		\$ -		20	\$ -	\$ -		\$ -	
21	\$ -	\$ -		\$ -		21	\$ -	\$ -		\$ -	
22	\$ -	\$ -		\$ -		22	\$ -	\$ -		\$ -	
23	\$ -	\$ -		\$ -		23	\$ -	\$ -		\$ -	
24	\$ -	\$ -		\$ -		24	\$ -	\$ -		\$ -	
25	\$ -	\$ -		\$ -		25	\$ -	\$ -		\$ -	
26	\$ -	\$ -		\$ -		26	\$ -	\$ -		\$ -	
27	\$ -	\$ -		\$ -		27	\$ -	\$ -		\$ -	
28	\$ -	\$ -		\$ -		28	\$ -	\$ -		\$ -	
29	\$ -	\$ -		\$ -		29	\$ -	\$ -		\$ -	
30	\$ -	\$ -		\$ -		30	\$ -	\$ -		\$ -	
31	\$ -	\$ -		\$ -		31	\$ -	\$ -		\$ -	
TOTAL	\$ 13.4000	\$ -		\$ -		TOTAL	\$ -	\$ -		\$ -	
POSTINGS	8	0		0		POSTINGS	0	0		0	
AVERAGE	\$ 1.6750	\$ -		\$ -		AVERAGE	\$ -	\$ -		\$ -	

**PBR-GAIF
INDICES
TEXAS GAS – ZONE 1**

LOUISVILLE GAS AND ELECTRIC
 CALCULATION OF SUPPLY AREA INDICES
 SAI (TGT-Z1)

	NATURAL GAS WEEK LOUISIANA NORTH	PLATTS GAS DAILY AVERAGE LOUISIANA/ SOUTHEAST, TX. GAS, ZONE 1	PLATTS INSIDE FERC's GAS MARKET REPORT LOUISIANA/SOUTHEAST TEXAS GAS, ZONE 1	AVERAGE
Nov. 19	\$2.4850	\$2.4467	\$2.3800	\$2.4372
Dec. 19	\$2.0640	\$2.0381	\$2.3100	\$2.1374
Jan. 20	\$1.9075	\$1.8956	\$2.0000	\$1.9344
Feb. 20	\$1.7750	\$1.7583	\$1.7300	\$1.7544
Mar. 20	\$1.5760	\$1.5485	\$1.6600	\$1.5948
Apr. 20	\$1.6000	\$1.6103	\$1.4300	\$1.5468
May 20	\$1.6050	\$1.6134	\$1.6600	\$1.6261
Jun. 20	\$1.5260	\$1.4982	\$1.5700	\$1.5314
Jul. 20	\$1.6425	\$1.6513	\$1.3700	\$1.5546
Aug. 20	\$2.0320	\$2.0648	\$1.7300	\$1.9423
Sep. 20	\$1.7525	\$1.7437	\$2.3500	\$1.9487
Oct. 20	\$1.8200	\$2.0176	\$1.7700	\$1.8692

CALCULATION OF AVERAGE NATURAL GAS WEEK PRICE BY MONTH
FOR TEXAS GAS ZONE 1

	NATURAL GAS WEEK LOUISIANA NORTH	MONTHLY AVERAGE		NATURAL GAS WEEK LOUISIANA NORTH	MONTHLY AVERAGE
11/04/2019	\$2.3600		05/04/2020	\$1.5800	
11/11/2019	\$2.6300		05/11/2020	\$1.7100	
11/18/2019	\$2.5300		05/18/2020	\$1.5400	
11/25/2019	\$2.4200	\$2.4850	05/25/2020	\$1.5900	\$1.6050
12/02/2019	\$2.2200		06/01/2020	\$1.6000	
12/09/2019	\$2.1100		06/08/2020	\$1.6000	
12/16/2019	\$2.0900		06/15/2020	\$1.5400	
12/23/2019	\$2.1300		06/22/2020	\$1.4100	
12/30/2019	\$1.7700	\$2.0640	06/29/2020	\$1.4800	\$1.5260
01/06/2020	\$1.9100		07/06/2020	\$1.5300	
01/13/2020	\$1.9600		07/13/2020	\$1.7300	
01/20/2020	\$1.9400		07/20/2020	\$1.6800	
01/27/2020	\$1.8200	\$1.9075	07/27/2020	\$1.6300	\$1.6425
02/03/2020	\$1.7500		08/03/2020	\$1.6900	
02/10/2020	\$1.7600		08/10/2020	\$1.9400	
02/17/2020	\$1.7500		08/17/2020	\$2.0700	
02/24/2020	\$1.8400	\$1.7750	08/24/2020	\$2.1800	
03/02/2020	\$1.6800		08/31/2020	\$2.2800	\$2.0320
03/09/2020	\$1.6000		09/07/2020	\$2.0000	
03/16/2020	\$1.6600		09/14/2020	\$1.8300	
03/23/2020	\$1.5400		09/21/2020	\$1.6400	
03/30/2020	\$1.4000	\$1.5760	09/28/2020	\$1.5400	\$1.7525
04/06/2020	\$1.4400		10/05/2020	\$1.2200	
04/13/2020	\$1.6400		10/12/2020	\$1.3700	
04/20/2020	\$1.6000		10/19/2020	\$2.0200	
04/27/2020	\$1.7200	\$1.6000	10/26/2020	\$2.6700	\$1.8200

PBR YEAR TWENTY-TWO PLATTS GAS DAILY MIDPOINT PRICE
 LOUISIANA/SOUTHEAST, TX. GAS, ZONE 1

NOVEMBER 2019		DECEMBER 2019		JANUARY 2020		FEBRUARY 2020		MARCH 2020		APRIL 2020	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	
1	\$ 2.4050	\$ 2.1950	\$ 1.9150	\$ 1.7150	1	\$ 1.7150	\$ 1.5600	\$ 1.5500			
2	\$ 2.2850	\$ 2.1950	\$ 1.9150	\$ 1.7150	2	\$ 1.7150	\$ 1.5600	\$ 1.4700			
3	\$ 2.2850	\$ 2.0750	\$ 1.8800	\$ 1.7150	3	\$ 1.7150	\$ 1.5700	\$ 1.3900			
4	\$ 2.2850	\$ 2.2000	\$ 1.9150	\$ 1.7350	4	\$ 1.7350	\$ 1.6300	\$ 1.3800			
5	\$ 2.5350	\$ 2.1200	\$ 1.9150	\$ 1.7400	5	\$ 1.7400	\$ 1.6450	\$ 1.3800			
6	\$ 2.5850	\$ 2.1350	\$ 1.9150	\$ 1.7550	6	\$ 1.7550	\$ 1.6450	\$ 1.3800			
7	\$ 2.7300	\$ 2.0700	\$ 1.9950	\$ 1.7750	7	\$ 1.7750	\$ 1.5400	\$ 1.5750			
8	\$ 2.6950	\$ 2.0700	\$ 1.9750	\$ 1.7750	8	\$ 1.7750	\$ 1.5400	\$ 1.7000			
9	\$ 2.6100	\$ 2.0700	\$ 1.9350	\$ 1.7750	9	\$ 1.7750	\$ 1.5400	\$ 1.7100			
10	\$ 2.6100	\$ 2.0200	\$ 1.8700	\$ 1.7750	10	\$ 1.7750	\$ 1.5250	\$ 1.6300			
11	\$ 2.6100	\$ 2.0800	\$ 1.9650	\$ 1.6900	11	\$ 1.6900	\$ 1.6650	\$ 1.6300			
12	\$ 2.6100	\$ 2.1200	\$ 1.9650	\$ 1.7000	12	\$ 1.7000	\$ 1.7100	\$ 1.6300			
13	\$ 2.5550	\$ 2.0850	\$ 1.9650	\$ 1.8000	13	\$ 1.8000	\$ 1.6150	\$ 1.6300			
14	\$ 2.4650	\$ 2.1000	\$ 1.9350	\$ 1.8050	14	\$ 1.8050	\$ 1.7050	\$ 1.7000			
15	\$ 2.5300	\$ 2.1000	\$ 1.9900	\$ 1.7250	15	\$ 1.7250	\$ 1.7050	\$ 1.6050			
16	\$ 2.5100	\$ 2.1000	\$ 1.9400	\$ 1.7250	16	\$ 1.7250	\$ 1.7050	\$ 1.5400			
17	\$ 2.5100	\$ 2.2050	\$ 1.9700	\$ 1.7250	17	\$ 1.7250	\$ 1.6650	\$ 1.4600			
18	\$ 2.5100	\$ 2.1850	\$ 1.9300	\$ 1.7250	18	\$ 1.7250	\$ 1.6400	\$ 1.6350			
19	\$ 2.4500	\$ 2.1200	\$ 1.9300	\$ 1.8550	19	\$ 1.8550	\$ 1.4550	\$ 1.6350			
20	\$ 2.3500	\$ 2.0800	\$ 1.9300	\$ 1.9000	20	\$ 1.9000	\$ 1.4650	\$ 1.6350			
21	\$ 2.3550	\$ 2.1050	\$ 1.9300	\$ 1.8650	21	\$ 1.8650	\$ 1.5100	\$ 1.6650			
22	\$ 2.3850	\$ 2.1050	\$ 1.8000	\$ 1.8050	22	\$ 1.8050	\$ 1.5100	\$ 1.7600			
23	\$ 2.4450	\$ 2.1050	\$ 1.8250	\$ 1.8050	23	\$ 1.8050	\$ 1.5100	\$ 1.7700			
24	\$ 2.4450	\$ 1.9400	\$ 1.8400	\$ 1.8050	24	\$ 1.8050	\$ 1.4600	\$ 1.7800			
25	\$ 2.4450	\$ 1.8700	\$ 1.7850	\$ 1.7400	25	\$ 1.7400	\$ 1.5150	\$ 1.7100			
26	\$ 2.3200	\$ 1.8700	\$ 1.7850	\$ 1.7650	26	\$ 1.7650	\$ 1.5000	\$ 1.7100			
27	\$ 2.2200	\$ 1.8700	\$ 1.7850	\$ 1.7700	27	\$ 1.7700	\$ 1.4350	\$ 1.7100			
28	\$ 2.2200	\$ 1.6900	\$ 1.8300	\$ 1.6550	28	\$ 1.6550	\$ 1.3600	\$ 1.5750			
29	\$ 2.2200	\$ 1.6900	\$ 1.8400	\$ 1.6550	29	\$ 1.6550	\$ 1.3600	\$ 1.7050			
30	\$ 2.2200	\$ 1.6900	\$ 1.8100		30		\$ 1.3600	\$ 1.6600			
31		\$ 1.9200	\$ 1.7850		31		\$ 1.4000				
TOTAL	\$ 73.4000	\$ 63.1800	\$ 58.7650	TOTAL	\$ 50.9900	\$ 48.0050	\$ 48.3100				
POSTINGS	30	31	31	POSTINGS	29	31	30				
AVERAGE	\$ 2.4467	\$ 2.0381	\$ 1.8956	AVERAGE	\$ 1.7583	\$ 1.5485	\$ 1.6103				

MAY 2020		JUNE 2020		JULY 2020		AUGUST 2020		SEPTEMBER 2020		OCTOBER 2020	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 1.5750	\$ 1.4900	\$ 1.5950	\$ 1.6400	1	\$ 2.0600	\$ 1.3500				
2	\$ 1.5200	\$ 1.4600	\$ 1.5100	\$ 1.6400	2	\$ 2.1450	\$ 1.1700				
3	\$ 1.5200	\$ 1.5500	\$ 1.5050	\$ 1.6400	3	\$ 2.1650	\$ 1.0550				
4	\$ 1.5200	\$ 1.7200	\$ 1.5050	\$ 1.8300	4	\$ 2.1350	\$ 1.0550				
5	\$ 1.6850	\$ 1.6550	\$ 1.5050	\$ 1.9100	5	\$ 1.8600	\$ 1.0550				
6	\$ 1.9000	\$ 1.5650	\$ 1.5050	\$ 2.0400	6	\$ 1.8600	\$ 1.5300				
7	\$ 1.8000	\$ 1.5650	\$ 1.6450	\$ 2.0000	7	\$ 1.8600	\$ 1.6100				
8	\$ 1.7700	\$ 1.5650	\$ 1.7450	\$ 1.9400	8	\$ 1.8600	\$ 1.6200				
9	\$ 1.6450	\$ 1.6000	\$ 1.7500	\$ 1.9400	9	\$ 1.9600	\$ 1.1950				
10	\$ 1.6450	\$ 1.6050	\$ 1.7850	\$ 1.9400	10	\$ 1.9450	\$ 1.2600				
11	\$ 1.6450	\$ 1.6200	\$ 1.7200	\$ 2.0350	11	\$ 1.8750	\$ 1.2600				
12	\$ 1.6450	\$ 1.5850	\$ 1.7200	\$ 2.0200	12	\$ 1.7600	\$ 1.2600				
13	\$ 1.5750	\$ 1.4850	\$ 1.7200	\$ 1.9800	13	\$ 1.7600	\$ 1.7600				
14	\$ 1.4800	\$ 1.4850	\$ 1.7250	\$ 2.0350	14	\$ 1.7600	\$ 1.9250				
15	\$ 1.4800	\$ 1.4850	\$ 1.6700	\$ 2.1450	15	\$ 1.9450	\$ 2.0150				
16	\$ 1.5300	\$ 1.4050	\$ 1.6950	\$ 2.1450	16	\$ 1.8600	\$ 2.1050				
17	\$ 1.5300	\$ 1.3200	\$ 1.6700	\$ 2.1450	17	\$ 1.8350	\$ 2.0600				
18	\$ 1.5300	\$ 1.4400	\$ 1.6650	\$ 2.1350	18	\$ 1.5750	\$ 2.0600				
19	\$ 1.6400	\$ 1.4200	\$ 1.6650	\$ 2.2400	19	\$ 1.4000	\$ 2.0600				
20	\$ 1.7150	\$ 1.4150	\$ 1.6650	\$ 2.2350	20	\$ 1.4000	\$ 2.2900				
21	\$ 1.7300	\$ 1.4150	\$ 1.5850	\$ 2.2150	21	\$ 1.4000	\$ 2.6100				
22	\$ 1.5700	\$ 1.4150	\$ 1.6150	\$ 2.1600	22	\$ 1.2550	\$ 2.6550				
23	\$ 1.5400	\$ 1.5400	\$ 1.6100	\$ 2.1600	23	\$ 1.4000	\$ 2.8250				
24	\$ 1.5400	\$ 1.5000	\$ 1.6050	\$ 2.1600	24	\$ 1.7400	\$ 2.7550				
25	\$ 1.5400	\$ 1.5150	\$ 1.6600	\$ 2.4050	25	\$ 1.8050	\$ 2.7550				
26	\$ 1.5400	\$ 1.4100	\$ 1.6600	\$ 2.3600	26	\$ 1.6250	\$ 2.7550				
27	\$ 1.6800	\$ 1.3700	\$ 1.6600	\$ 2.2150	27	\$ 1.6250	\$ 2.9250				
28	\$ 1.6950	\$ 1.3700	\$ 1.6950	\$ 2.2800	28	\$ 1.6250	\$ 2.9050				
29	\$ 1.6100	\$ 1.3700	\$ 1.7000	\$ 2.1400	29	\$ 1.4800	\$ 2.9350				
30	\$ 1.6100	\$ 1.6050	\$ 1.7250	\$ 2.1400	30	\$ 1.3350	\$ 2.8650				
31	\$ 1.6100		\$ 1.7100	\$ 2.1400	31		\$ 2.8650				
TOTAL	\$ 50.0150	\$ 44.9450	\$ 51.1900	TOTAL	\$ 64.0100	\$ 52.3100	\$ 62.5450				
POSTINGS	31	30	31	POSTINGS	31	30	31				
AVERAGE	\$ 1.6134	\$ 1.4982	\$ 1.6513	AVERAGE	\$ 2.0648	\$ 1.7437	\$ 2.0176				

**PBR-GAIF
INDICES
TEXAS GAS – ZONE 4**

LOUISVILLE GAS AND ELECTRIC
 CALCULATION OF SUPPLY AREA INDICES
 SAI (TGT-Z4)

	NATURAL GAS WEEK APPALACHIA LEBANON HUB	PLATTS GAS DAILY AVERAGE APPALACHIA LEBANON HUB	PLATTS INSIDE FERC's GAS MARKET REPORT APPALACHIA, LEBANON HUB	AVERAGE
Nov. 19	\$2.4525	\$2.4347	\$2.4300	\$2.4391
Dec. 19	\$2.0640	\$2.0593	\$2.4000	\$2.1744
Jan. 20	\$1.9050	\$1.8931	\$2.0600	\$1.9527
Feb. 20	\$1.7550	\$1.7333	\$1.7500	\$1.7461
Mar. 20	\$1.5400	\$1.5308	\$1.6400	\$1.5703
Apr. 20	\$1.5925	\$1.5882	\$1.4000	\$1.5269
May 20	\$1.5625	\$1.5945	\$1.6800	\$1.6123
Jun. 20	\$1.5040	\$1.4903	\$1.5600	\$1.5181
Jul. 20	\$1.6075	\$1.6258	\$1.3800	\$1.5378
Aug. 20	\$1.9880	\$2.0285	\$1.7100	\$1.9088
Sep. 20	\$1.7700	\$1.7402	\$2.2800	\$1.9301
Oct. 20	\$1.7625	\$2.0027	\$1.8100	\$1.8584

CALCULATION OF AVERAGE NATURAL GAS WEEK PRICE BY MONTH
FOR LEBANON HUB

NATURAL GAS WEEK APPALACHIA LEBANON HUB			NATURAL GAS WEEK APPALACHIA LEBANON HUB		
		MONTHLY AVERAGE			MONTHLY AVERAGE
11/04/2019	\$2.3000		05/04/2020	\$1.5500	
11/11/2019	\$2.6100		05/11/2020	\$1.6600	
11/18/2019	\$2.4900		05/18/2020	\$1.5000	
11/25/2019	\$2.4100	\$2.4525	05/25/2020	\$1.5400	\$1.5625
12/02/2019	\$2.2100		06/01/2020	\$1.5900	
12/09/2019	\$2.1500		06/08/2020	\$1.5300	
12/16/2019	\$2.1100		06/15/2020	\$1.5200	
12/23/2019	\$2.1100		06/22/2020	\$1.3700	
12/30/2019	\$1.7400	\$2.0640	06/29/2020	\$1.5100	\$1.5040
01/06/2020	\$1.9400		07/06/2020	\$1.4800	
01/13/2020	\$1.9500		07/13/2020	\$1.6800	
01/20/2020	\$1.9500		07/20/2020	\$1.6600	
01/27/2020	\$1.7800	\$1.9050	07/27/2020	\$1.6100	\$1.6075
02/03/2020	\$1.7400		08/03/2020	\$1.6300	
02/10/2020	\$1.7400		08/10/2020	\$1.8700	
02/17/2020	\$1.7300		08/17/2020	\$2.0200	
02/24/2020	\$1.8100	\$1.7550	08/24/2020	\$2.1300	
03/02/2020	\$1.6500		08/31/2020	\$2.2900	\$1.9880
03/09/2020	\$1.5400		09/07/2020	\$2.0300	
03/16/2020	\$1.6700		09/14/2020	\$1.8500	
03/23/2020	\$1.5300		09/21/2020	\$1.6800	
03/30/2020	\$1.3100	\$1.5400	09/28/2020	\$1.5200	\$1.7700
04/06/2020	\$1.4000		10/05/2020	\$1.1400	
04/13/2020	\$1.6000		10/12/2020	\$1.3100	
04/20/2020	\$1.6300		10/19/2020	\$1.9400	
04/27/2020	\$1.7400	\$1.5925	10/26/2020	\$2.6600	\$1.7625

PBR YEAR TWENTY-TWO PLATTS GAS DAILY MIDPOINT PRICE
 APPALACHIA, LEBANON HUB

NOVEMBER 2019			DECEMBER 2019			JANUARY 2020			FEBRUARY 2020			MARCH 2020			APRIL 2020		
DAY	MIDPOINT		MIDPOINT		MIDPOINT	DAY	MIDPOINT		MIDPOINT		MIDPOINT		MIDPOINT		MIDPOINT		
1	\$ 2.4000		\$ 2.1800		\$ 1.9350	1	\$ 1.6650		\$ 1.5450		\$ 1.5400		\$ 1.5400		\$ 1.5400		
2	\$ 2.2200		\$ 2.1800		\$ 1.9350	2	\$ 1.6650		\$ 1.5450		\$ 1.4750		\$ 1.4750		\$ 1.4750		
3	\$ 2.2200		\$ 2.1000		\$ 1.8950	3	\$ 1.6650		\$ 1.5450		\$ 1.3800		\$ 1.3800		\$ 1.3800		
4	\$ 2.2200		\$ 2.2000		\$ 1.9350	4	\$ 1.7200		\$ 1.6000		\$ 1.3450		\$ 1.3450		\$ 1.3450		
5	\$ 2.5800		\$ 2.1150		\$ 1.9350	5	\$ 1.7450		\$ 1.6400		\$ 1.3450		\$ 1.3450		\$ 1.3450		
6	\$ 2.6050		\$ 2.1350		\$ 1.9350	6	\$ 1.7400		\$ 1.6250		\$ 1.3450		\$ 1.3450		\$ 1.3450		
7	\$ 2.7600		\$ 2.0950		\$ 1.9750	7	\$ 1.7400		\$ 1.5000		\$ 1.5250		\$ 1.5250		\$ 1.5250		
8	\$ 2.6950		\$ 2.0950		\$ 1.9700	8	\$ 1.7500		\$ 1.5000		\$ 1.6550		\$ 1.6550		\$ 1.6550		
9	\$ 2.5900		\$ 2.0950		\$ 1.9350	9	\$ 1.7500		\$ 1.5000		\$ 1.7100		\$ 1.7100		\$ 1.7100		
10	\$ 2.5900		\$ 2.0500		\$ 1.8800	10	\$ 1.7500		\$ 1.4850		\$ 1.6050		\$ 1.6050		\$ 1.6050		
11	\$ 2.5900		\$ 2.0950		\$ 1.9450	11	\$ 1.6950		\$ 1.6700		\$ 1.6050		\$ 1.6050		\$ 1.6050		
12	\$ 2.6200		\$ 2.1050		\$ 1.9450	12	\$ 1.7050		\$ 1.7200		\$ 1.6050		\$ 1.6050		\$ 1.6050		
13	\$ 2.5600		\$ 2.0950		\$ 1.9450	13	\$ 1.8200		\$ 1.6200		\$ 1.6050		\$ 1.6050		\$ 1.6050		
14	\$ 2.4400		\$ 2.1350		\$ 1.9400	14	\$ 1.8000		\$ 1.7200		\$ 1.6850		\$ 1.6850		\$ 1.6850		
15	\$ 2.5050		\$ 2.1350		\$ 2.0000	15	\$ 1.7050		\$ 1.7200		\$ 1.6050		\$ 1.6050		\$ 1.6050		
16	\$ 2.4750		\$ 2.1350		\$ 1.9700	16	\$ 1.7050		\$ 1.7200		\$ 1.5300		\$ 1.5300		\$ 1.5300		
17	\$ 2.4750		\$ 2.2100		\$ 1.9600	17	\$ 1.7050		\$ 1.6400		\$ 1.4600		\$ 1.4600		\$ 1.4600		
18	\$ 2.4750		\$ 2.2300		\$ 1.9500	18	\$ 1.7050		\$ 1.6150		\$ 1.6100		\$ 1.6100		\$ 1.6100		
19	\$ 2.4200		\$ 2.1150		\$ 1.9500	19	\$ 1.8500		\$ 1.4500		\$ 1.6100		\$ 1.6100		\$ 1.6100		
20	\$ 2.3450		\$ 2.0700		\$ 1.9500	20	\$ 1.8900		\$ 1.5150		\$ 1.6100		\$ 1.6100		\$ 1.6100		
21	\$ 2.3550		\$ 2.1000		\$ 1.9500	21	\$ 1.8300		\$ 1.5200		\$ 1.6650		\$ 1.6650		\$ 1.6650		
22	\$ 2.3600		\$ 2.1000		\$ 1.7850	22	\$ 1.7350		\$ 1.5200		\$ 1.7350		\$ 1.7350		\$ 1.7350		
23	\$ 2.4250		\$ 2.1000		\$ 1.8000	23	\$ 1.7350		\$ 1.5200		\$ 1.7550		\$ 1.7550		\$ 1.7550		
24	\$ 2.4250		\$ 1.9400		\$ 1.8100	24	\$ 1.7350		\$ 1.4700		\$ 1.7600		\$ 1.7600		\$ 1.7600		
25	\$ 2.4250		\$ -		\$ 1.7700	25	\$ 1.7200		\$ 1.4850		\$ 1.6800		\$ 1.6800		\$ 1.6800		
26	\$ 2.3050		\$ -		\$ 1.7700	26	\$ 1.7450		\$ 1.4800		\$ 1.6800		\$ 1.6800		\$ 1.6800		
27	\$ 2.2400		\$ 1.8650		\$ 1.7700	27	\$ 1.7550		\$ 1.4150		\$ 1.6800		\$ 1.6800		\$ 1.6800		
28	\$ 2.2400		\$ 1.6900		\$ 1.8000	28	\$ 1.6200		\$ 1.2500		\$ 1.5400		\$ 1.5400		\$ 1.5400		
29	\$ 2.2400		\$ 1.6900		\$ 1.8000	29	\$ 1.6200		\$ 1.2500		\$ 1.6850		\$ 1.6850		\$ 1.6850		
30	\$ 2.2400		\$ 1.6900		\$ 1.7950	30			\$ 1.2500		\$ 1.6150		\$ 1.6150		\$ 1.6150		
31			\$ 1.9750		\$ 1.7500	31			\$ 1.4200								
TOTAL	\$ 73.0400		\$ 59.7200		\$ 58.6850	TOTAL	\$ 50.2650		\$ 47.4550		\$ 47.6450		\$ 47.6450		\$ 47.6450		
POSTINGS	30		29		31	POSTINGS	29		31		30		30		30		
AVERAGE	\$ 2.4347		\$ 2.0593		\$ 1.8931	AVERAGE	\$ 1.7333		\$ 1.5308		\$ 1.5882		\$ 1.5882		\$ 1.5882		

MAY 2020		JUNE 2020		JULY 2020		AUGUST 2020		SEPTEMBER 2020		OCTOBER 2020	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 1.5550	\$ 1.4800	\$ 1.5900	\$ 1.6350	1	\$ 1.6350	\$ 2.0300	\$ 1.3350			
2	\$ 1.4850	\$ 1.4650	\$ 1.5000	\$ 1.6350	2	\$ 1.6350	\$ 2.0650	\$ 1.1600			
3	\$ 1.4850	\$ 1.5300	\$ 1.4450	\$ 1.6350	3	\$ 1.6350	\$ 2.1200	\$ 1.0200			
4	\$ 1.4850	\$ 1.7200	\$ 1.4450	\$ 1.7700	4	\$ 1.7700	\$ 2.1800	\$ 1.0200			
5	\$ 1.7150	\$ 1.6450	\$ 1.4450	\$ 1.8800	5	\$ 1.8800	\$ 1.8850	\$ 1.0200			
6	\$ 1.9150	\$ 1.5500	\$ 1.4450	\$ 1.9200	6	\$ 1.9200	\$ 1.8850	\$ 1.4500			
7	\$ 1.8050	\$ 1.5500	\$ 1.6300	\$ 1.9000	7	\$ 1.9000	\$ 1.8850	\$ 1.5200			
8	\$ 1.7600	\$ 1.5500	\$ 1.7650	\$ 1.8500	8	\$ 1.8500	\$ 1.8850	\$ 1.5650			
9	\$ 1.6400	\$ 1.5650	\$ 1.7500	\$ 1.8500	9	\$ 1.8500	\$ 1.9250	\$ 1.1650			
10	\$ 1.6400	\$ 1.5700	\$ 1.7750	\$ 1.8500	10	\$ 1.8500	\$ 1.9150	\$ 1.1950			
11	\$ 1.6400	\$ 1.5800	\$ 1.6800	\$ 1.9250	11	\$ 1.9250	\$ 1.8800	\$ 1.1950			
12	\$ 1.6650	\$ 1.5500	\$ 1.6800	\$ 1.9800	12	\$ 1.9800	\$ 1.7700	\$ 1.1950			
13	\$ 1.5850	\$ 1.4700	\$ 1.6800	\$ 1.9100	13	\$ 1.9100	\$ 1.7700	\$ 1.7200			
14	\$ 1.4700	\$ 1.4700	\$ 1.6450	\$ 2.0200	14	\$ 2.0200	\$ 1.7700	\$ 1.8900			
15	\$ 1.4600	\$ 1.4700	\$ 1.6300	\$ 2.1050	15	\$ 2.1050	\$ 1.8950	\$ 2.0300			
16	\$ 1.5000	\$ 1.3700	\$ 1.6400	\$ 2.1050	16	\$ 2.1050	\$ 1.8800	\$ 2.1050			
17	\$ 1.5000	\$ 1.3150	\$ 1.6700	\$ 2.1050	17	\$ 2.1050	\$ 1.8450	\$ 2.0700			
18	\$ 1.5000	\$ 1.4200	\$ 1.6350	\$ 2.1500	18	\$ 2.1500	\$ 1.5650	\$ 2.0700			
19	\$ 1.6200	\$ 1.4150	\$ 1.6350	\$ 2.1900	19	\$ 2.1900	\$ 1.3950	\$ 2.0700			
20	\$ 1.7100	\$ 1.4300	\$ 1.6350	\$ 2.2100	20	\$ 2.2100	\$ 1.3950	\$ 2.3200			
21	\$ 1.7100	\$ 1.4300	\$ 1.5500	\$ 2.2000	21	\$ 2.2000	\$ 1.3950	\$ 2.6000			
22	\$ 1.5300	\$ 1.4300	\$ 1.5900	\$ 2.1100	22	\$ 2.1100	\$ 1.2750	\$ 2.6400			
23	\$ 1.4950	\$ 1.5600	\$ 1.5700	\$ 2.1100	23	\$ 2.1100	\$ 1.4200	\$ 2.8450			
24	\$ 1.4950	\$ 1.4900	\$ 1.6200	\$ 2.1100	24	\$ 2.1100	\$ 1.7100	\$ 2.7850			
25	\$ 1.4950	\$ 1.5300	\$ 1.6450	\$ 2.4100	25	\$ 2.4100	\$ 1.8050	\$ 2.7850			
26	\$ 1.4950	\$ 1.4350	\$ 1.6450	\$ 2.3550	26	\$ 2.3550	\$ 1.6200	\$ 2.7850			
27	\$ 1.6600	\$ 1.3800	\$ 1.6450	\$ 2.2650	27	\$ 2.2650	\$ 1.6200	\$ 2.9400			
28	\$ 1.6900	\$ 1.3800	\$ 1.6800	\$ 2.2800	28	\$ 2.2800	\$ 1.6200	\$ 2.9050			
29	\$ 1.5750	\$ 1.3800	\$ 1.7000	\$ 2.1400	29	\$ 2.1400	\$ 1.4850	\$ 2.9050			
30	\$ 1.5750	\$ 1.5800	\$ 1.7250	\$ 2.1400	30	\$ 2.1400	\$ 1.3150	\$ 2.8900			
31	\$ 1.5750		\$ 1.7100	\$ 2.1400	31	\$ 2.1400		\$ 2.8900			
TOTAL	\$ 49.4300	\$ 44.7100	\$ 50.4000	TOTAL	\$ 62.8850	\$ 52.2050	\$ 62.0850				
POSTINGS	31	30	31	POSTINGS	31	30	31				
AVERAGE	\$ 1.5945	\$ 1.4903	\$ 1.6258	AVERAGE	\$ 2.0285	\$ 1.7402	\$ 2.0027				

**PBR-GAIF
INDICES
TENNESSEE – ZONE 0**

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF SUPPLY AREA INDICES
 SAI (TGPL-Z0)

	NATURAL GAS WEEK TEXAS, CENTRAL, ONSHORE	PLATTS GAS DAILY AVERAGE EAST TEXAS, TENNESSEE, ZONE 0	PLATTS INSIDE FERC's GAS MARKET REPORT EAST TEXAS, TENNESSEE, ZONE 0	AVERAGE
Nov. 19	\$2.4675	\$2.4323	\$2.4000	\$2.4333
Dec. 19	\$2.0680	\$2.0190	\$2.3000	\$2.1290
Jan. 20	\$1.9125	\$1.8845	\$2.0000	\$1.9323
Feb. 20	\$1.8025	\$1.7588	\$1.7600	\$1.7738
Mar. 20	\$1.6300	\$1.5834	\$1.6900	\$1.6345
Apr. 20	\$1.6000	\$1.5942	\$1.5000	\$1.5647
May 20	\$1.6400	\$1.5939	\$1.6900	\$1.6413
Jun. 20	\$1.5340	\$1.4950	\$1.5900	\$1.5397
Jul. 20	\$1.6525	\$1.6397	\$1.3700	\$1.5541
Aug. 20	\$2.1040	\$2.1026	\$1.7700	\$1.9922
Sep. 20	\$1.8975	\$1.8455	\$2.4500	\$2.0643
Oct. 20	\$2.0550	\$2.2558	\$1.9500	\$2.0869

CALCULATION OF AVERAGE NATURAL GAS WEEK PRICE BY MONTH
FOR TEXAS, CENTRAL, ONSHORE

NATURAL GAS WEEK TEXAS, CENTRAL, ONSHORE			NATURAL GAS WEEK TEXAS, CENTRAL, ONSHORE		
		MONTHLY AVERAGE			MONTHLY AVERAGE
11/04/2019	\$2.3800		05/04/2020	\$1.5900	
11/11/2019	\$2.6000		05/11/2020	\$1.7500	
11/18/2019	\$2.5100		05/18/2020	\$1.5600	
11/25/2019	\$2.3800	\$2.4675	05/25/2020	\$1.6600	\$1.6400
12/02/2019	\$2.2000		06/01/2020	\$1.6300	
12/09/2019	\$2.1200		06/08/2020	\$1.6100	
12/16/2019	\$2.0900		06/15/2020	\$1.5700	
12/23/2019	\$2.1300		06/22/2020	\$1.4200	
12/30/2019	\$1.8000	\$2.0680	06/29/2020	\$1.4400	\$1.5340
01/06/2020	\$1.9000		07/06/2020	\$1.5300	
01/13/2020	\$1.9600		07/13/2020	\$1.7400	
01/20/2020	\$1.9500		07/20/2020	\$1.6900	
01/27/2020	\$1.8400	\$1.9125	07/27/2020	\$1.6500	\$1.6525
02/03/2020	\$1.8000		08/03/2020	\$1.7400	
02/10/2020	\$1.7800		08/10/2020	\$2.0100	
02/17/2020	\$1.7800		08/17/2020	\$2.1500	
02/24/2020	\$1.8500	\$1.8025	08/24/2020	\$2.2700	
03/02/2020	\$1.7000		08/31/2020	\$2.3500	\$2.1040
03/09/2020	\$1.6200		09/07/2020	\$2.1200	
03/16/2020	\$1.7400		09/14/2020	\$1.9500	
03/23/2020	\$1.5800		09/21/2020	\$1.8300	
03/30/2020	\$1.5100	\$1.6300	09/28/2020	\$1.6900	\$1.8975
04/06/2020	\$1.4600		10/05/2020	\$1.5200	
04/13/2020	\$1.6200		10/12/2020	\$1.7300	
04/20/2020	\$1.5800		10/19/2020	\$2.2100	
04/27/2020	\$1.7400	\$1.6000	10/26/2020	\$2.7600	\$2.0550

PBR YEAR TWENTY-TWO PLATTS GAS DAILY MIDPOINT PRICE
 EAST TEXAS, TENNESSEE, ZONE 0

NOVEMBER 2019		DECEMBER 2019		JANUARY 2020		FEBRUARY 2020		MARCH 2020		APRIL 2020	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT
1	\$ 2.4150	\$ 2.1050	\$ 1.7900	\$ 1.7150	\$ 1.5950	\$ 1.5800					
2	\$ 2.3200	\$ 2.1050	\$ 1.7900	\$ 1.7150	\$ 1.5950	\$ 1.4850					
3	\$ 2.3200	\$ 2.1050	\$ 1.8550	\$ 1.7150	\$ 1.5850	\$ 1.4100					
4	\$ 2.3200	\$ 2.2000	\$ 1.9100	\$ 1.7100	\$ 1.6150	\$ 1.4000					
5	\$ 2.5800	\$ 2.1200	\$ 1.9100	\$ 1.7450	\$ 1.6900	\$ 1.4000					
6	\$ 2.6200	\$ 2.1400	\$ 1.9100	\$ 1.7400	\$ 1.6750	\$ 1.4000					
7	\$ 2.7000	\$ 2.0300	\$ 1.9850	\$ 1.7750	\$ 1.5800	\$ 1.5300					
8	\$ 2.6650	\$ 2.0300	\$ 1.9650	\$ 1.7600	\$ 1.5800	\$ 1.6650					
9	\$ 2.5700	\$ 2.0300	\$ 1.9100	\$ 1.7600	\$ 1.5800	\$ 1.6800					
10	\$ 2.5700	\$ 2.0050	\$ 1.8950	\$ 1.7600	\$ 1.5400	\$ 1.5900					
11	\$ 2.5700	\$ 2.0950	\$ 1.9700	\$ 1.7050	\$ 1.7050	\$ 1.5900					
12	\$ 2.5700	\$ 2.1050	\$ 1.9700	\$ 1.6850	\$ 1.8000	\$ 1.5900					
13	\$ 2.5350	\$ 2.1100	\$ 1.9700	\$ 1.7800	\$ 1.6700	\$ 1.5900					
14	\$ 2.4700	\$ 2.0650	\$ 1.9400	\$ 1.8150	\$ 1.7250	\$ 1.6700					
15	\$ 2.5200	\$ 2.0650	\$ 1.9900	\$ 1.7450	\$ 1.7250	\$ 1.5750					
16	\$ 2.4850	\$ 2.0650	\$ 1.9300	\$ 1.7450	\$ 1.7250	\$ 1.5300					
17	\$ 2.4850	\$ 2.2100	\$ 1.9600	\$ 1.7450	\$ 1.6750	\$ 1.4450					
18	\$ 2.4850	\$ 2.1800	\$ 1.9000	\$ 1.7450	\$ 1.6500	\$ 1.6100					
19	\$ 2.4500	\$ 2.0950	\$ 1.9000	\$ 1.8450	\$ 1.4750	\$ 1.6100					
20	\$ 2.3300	\$ 2.0600	\$ 1.9000	\$ 1.9050	\$ 1.5000	\$ 1.6100					
21	\$ 2.3550	\$ 2.1200	\$ 1.9000	\$ 1.8650	\$ 1.5100	\$ 1.6700					
22	\$ 2.3650	\$ 2.1200	\$ 1.8400	\$ 1.7950	\$ 1.5100	\$ 1.7850					
23	\$ 2.4150	\$ 2.1200	\$ 1.8450	\$ 1.7950	\$ 1.5100	\$ 1.7750					
24	\$ 2.4150	\$ 1.9500	\$ 1.8350	\$ 1.7950	\$ 1.4900	\$ 1.7850					
25	\$ 2.4150	\$ 1.8750	\$ 1.7850	\$ 1.7650	\$ 1.5650	\$ 1.6800					
26	\$ 2.2850	\$ 1.8750	\$ 1.7850	\$ 1.7750	\$ 1.5400	\$ 1.6800					
27	\$ 2.1850	\$ 1.8850	\$ 1.7850	\$ 1.8050	\$ 1.5300	\$ 1.6800					
28	\$ 2.1850	\$ 1.6200	\$ 1.8350	\$ 1.6500	\$ 1.4200	\$ 1.5250					
29	\$ 2.1850	\$ 1.6200	\$ 1.8750	\$ 1.6500	\$ 1.4200	\$ 1.6550					
30	\$ 2.1850	\$ 1.6200	\$ 1.8050		\$ 1.4200	\$ 1.6300					
31		\$ 1.8650	\$ 1.7800		\$ 1.4850						
TOTAL	\$ 72.9700	\$ 62.5900	\$ 58.4200	TOTAL	\$ 51.0050	\$ 49.0850	\$ 47.8250				
POSTINGS	30	31	31	POSTINGS	29	31	30				
AVERAGE	\$ 2.4323	\$ 2.0190	\$ 1.8845	AVERAGE	\$ 1.7588	\$ 1.5834	\$ 1.5942				

MAY 2020		JUNE 2020		JULY 2020		AUGUST 2020		SEPTEMBER 2020		OCTOBER 2020	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 1.5650	\$ 1.4650	\$ 1.5750	\$ 1.6500	1	\$ 1.6500	\$ 2.0450	\$ 1.7200			
2	\$ 1.5100	\$ 1.4450	\$ 1.5050	\$ 1.6500	2	\$ 1.6500	\$ 2.1650	\$ 1.3150			
3	\$ 1.5100	\$ 1.5500	\$ 1.5000	\$ 1.6500	3	\$ 1.6500	\$ 2.2600	\$ 1.1400			
4	\$ 1.5100	\$ 1.6800	\$ 1.5000	\$ 1.8400	4	\$ 1.8400	\$ 2.2200	\$ 1.1400			
5	\$ 1.6700	\$ 1.6300	\$ 1.5000	\$ 1.9800	5	\$ 1.9800	\$ 1.9450	\$ 1.1400			
6	\$ 1.8900	\$ 1.5600	\$ 1.5000	\$ 2.0950	6	\$ 2.0950	\$ 1.9450	\$ 1.6550			
7	\$ 1.7750	\$ 1.5600	\$ 1.6300	\$ 2.0350	7	\$ 2.0350	\$ 1.9450	\$ 1.9700			
8	\$ 1.7350	\$ 1.5600	\$ 1.7450	\$ 1.9700	8	\$ 1.9700	\$ 1.9450	\$ 1.7950			
9	\$ 1.6400	\$ 1.6000	\$ 1.7500	\$ 1.9700	9	\$ 1.9700	\$ 2.0750	\$ 1.5750			
10	\$ 1.6400	\$ 1.5900	\$ 1.8100	\$ 1.9700	10	\$ 1.9700	\$ 2.0100	\$ 1.9050			
11	\$ 1.6400	\$ 1.6150	\$ 1.6950	\$ 2.0900	11	\$ 2.0900	\$ 1.9550	\$ 1.9050			
12	\$ 1.6300	\$ 1.5800	\$ 1.6950	\$ 2.0600	12	\$ 2.0600	\$ 1.8900	\$ 1.9050			
13	\$ 1.5500	\$ 1.4650	\$ 1.6950	\$ 2.0000	13	\$ 2.0000	\$ 1.8900	\$ 2.2850			
14	\$ 1.4400	\$ 1.4650	\$ 1.7150	\$ 2.0600	14	\$ 2.0600	\$ 1.8900	\$ 2.1250			
15	\$ 1.4500	\$ 1.4650	\$ 1.6600	\$ 2.2000	15	\$ 2.2000	\$ 2.0700	\$ 2.3650			
16	\$ 1.4300	\$ 1.4000	\$ 1.6600	\$ 2.2000	16	\$ 2.2000	\$ 2.0200	\$ 2.2700			
17	\$ 1.4300	\$ 1.3500	\$ 1.6600	\$ 2.2000	17	\$ 2.2000	\$ 1.9450	\$ 2.5350			
18	\$ 1.4300	\$ 1.4350	\$ 1.6450	\$ 2.2050	18	\$ 2.2050	\$ 1.9050	\$ 2.5350			
19	\$ 1.6650	\$ 1.4200	\$ 1.6450	\$ 2.2800	19	\$ 2.2800	\$ 1.4950	\$ 2.5350			
20	\$ 1.7150	\$ 1.4300	\$ 1.6450	\$ 2.3000	20	\$ 2.3000	\$ 1.4950	\$ 2.5500			
21	\$ 1.7250	\$ 1.4300	\$ 1.5500	\$ 2.2400	21	\$ 2.2400	\$ 1.4950	\$ 2.8400			
22	\$ 1.6000	\$ 1.4300	\$ 1.5750	\$ 2.1700	22	\$ 2.1700	\$ 1.3550	\$ 2.8700			
23	\$ 1.5250	\$ 1.5400	\$ 1.5600	\$ 2.1700	23	\$ 2.1700	\$ 1.4150	\$ 2.9050			
24	\$ 1.5250	\$ 1.5150	\$ 1.6400	\$ 2.1700	24	\$ 2.1700	\$ 1.7500	\$ 2.7950			
25	\$ 1.5250	\$ 1.5350	\$ 1.6500	\$ 2.4500	25	\$ 2.4500	\$ 1.9550	\$ 2.7950			
26	\$ 1.5250	\$ 1.4200	\$ 1.6500	\$ 2.3700	26	\$ 2.3700	\$ 1.6950	\$ 2.7950			
27	\$ 1.6700	\$ 1.3800	\$ 1.6500	\$ 2.2650	27	\$ 2.2650	\$ 1.6950	\$ 2.9900			
28	\$ 1.6750	\$ 1.3800	\$ 1.6850	\$ 2.2950	28	\$ 2.2950	\$ 1.6950	\$ 2.9200			
29	\$ 1.6050	\$ 1.3800	\$ 1.6900	\$ 2.2150	29	\$ 2.2150	\$ 1.7250	\$ 2.9550			
30	\$ 1.6050	\$ 1.5750	\$ 1.7350	\$ 2.2150	30	\$ 2.2150	\$ 1.4750	\$ 2.8500			
31	\$ 1.6050		\$ 1.7150	\$ 2.2150	31	\$ 2.2150		\$ 2.8500			
TOTAL	\$ 49.4100	\$ 44.8500	\$ 50.8300	TOTAL	\$ 65.1800	\$ 55.3650	\$ 69.9300				
POSTINGS	31	30	31	POSTINGS	31	30	31				
AVERAGE	\$ 1.5939	\$ 1.4950	\$ 1.6397	AVERAGE	\$ 2.1026	\$ 1.8455	\$ 2.2558				

**PBR-GAIF
INDICES
TENNESSEE – ZONE 1**

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF SUPPLY AREA INDICES
 SAI (TGPL-Z1)

	NATURAL GAS WEEK LOUISIANA, GULF COAST, ONSHORE	PLATTS GAS DAILY AVERAGE LOUISIANA/ SOUTHEAST, TENNESSEE, 500 LEG	PLATTS INSIDE FERC'S GAS MARKET REPORT LOUISIANA/SOUTHEAST, TENNESSEE, LOUISIANA, 500 LEG	AVERAGE
Nov. 19	\$2.5650	\$2.5297	\$2.5400	\$2.5449
Dec. 19	\$2.1560	\$2.1221	\$2.4100	\$2.2294
Jan. 20	\$1.9800	\$1.9440	\$2.0800	\$2.0013
Feb. 20	\$1.8300	\$1.8016	\$1.8000	\$1.8105
Mar. 20	\$1.6860	\$1.6735	\$1.7500	\$1.7032
Apr. 20	\$1.6325	\$1.6438	\$1.5700	\$1.6154
May 20	\$1.6725	\$1.6679	\$1.7300	\$1.6901
Jun. 20	\$1.5560	\$1.5450	\$1.6500	\$1.5837
Jul. 20	\$1.6675	\$1.6921	\$1.4200	\$1.5932
Aug. 20	\$2.1280	\$2.2129	\$1.8000	\$2.0470
Sep. 20	\$1.8800	\$1.8765	\$2.5000	\$2.0855
Oct. 20	\$1.9700	\$2.1405	\$1.9900	\$2.0335

CALCULATION OF AVERAGE NATURAL GAS WEEK PRICE BY MONTH
FOR GULF COAST ONSHORE - LA

NATURAL GAS WEEK LOUISIANA, GULF COAST, ONSHORE			MONTHLY AVERAGE	NATURAL GAS WEEK LOUISIANA, GULF COAST, ONSHORE			MONTHLY AVERAGE
11/04/2019	\$2.4600			05/04/2020	\$1.6500		
11/11/2019	\$2.7100			05/11/2020	\$1.7800		
11/18/2019	\$2.6200			05/18/2020	\$1.5800		
11/25/2019	\$2.4700	\$2.5650		05/25/2020	\$1.6800	\$1.6725	
12/02/2019	\$2.2800			06/01/2020	\$1.6500		
12/09/2019	\$2.2100			06/08/2020	\$1.6200		
12/16/2019	\$2.1700			06/15/2020	\$1.6000		
12/23/2019	\$2.2200			06/22/2020	\$1.4300		
12/30/2019	\$1.9000	\$2.1560		06/29/2020	\$1.4800	\$1.5560	
01/06/2020	\$1.9800			07/06/2020	\$1.5500		
01/13/2020	\$2.0000			07/13/2020	\$1.7500		
01/20/2020	\$2.0300			07/20/2020	\$1.7100		
01/27/2020	\$1.9100	\$1.9800		07/27/2020	\$1.6600	\$1.6675	
02/03/2020	\$1.8200			08/03/2020	\$1.7300		
02/10/2020	\$1.8000			08/10/2020	\$2.0700		
02/17/2020	\$1.7900			08/17/2020	\$2.1300		
02/24/2020	\$1.9100	\$1.8300		08/24/2020	\$2.2900		
03/02/2020	\$1.7600			08/31/2020	\$2.4200	\$2.1280	
03/09/2020	\$1.7100			09/07/2020	\$2.0600		
03/16/2020	\$1.8100			09/14/2020	\$1.9900		
03/23/2020	\$1.6000			09/21/2020	\$1.8000		
03/30/2020	\$1.5500	\$1.6860		09/28/2020	\$1.6700	\$1.8800	
04/06/2020	\$1.4800			10/05/2020	\$1.3600		
04/13/2020	\$1.6700			10/12/2020	\$1.7000		
04/20/2020	\$1.6300			10/19/2020	\$2.1200		
04/27/2020	\$1.7500	\$1.6325		10/26/2020	\$2.7000	\$1.9700	

PBR YEAR TWENTY-TWO PLATTS GAS DAILY MIDPOINT PRICE
 LOUISIANA/SOUTHEAST, TENNESSEE, 500 LEG

NOVEMBER 2019			DECEMBER 2019			JANUARY 2020			FEBRUARY 2020			MARCH 2020			APRIL 2020		
DAY	MIDPOINT		MIDPOINT		MIDPOINT	DAY	MIDPOINT		MIDPOINT		MIDPOINT		MIDPOINT		MIDPOINT		
1	\$ 2.5450		\$ 2.2700		\$ 1.9700	1	\$ 1.7600		\$ 1.6550		\$ 1.6150		\$ 1.6150				
2	\$ 2.4400		\$ 2.2700		\$ 1.9700	2	\$ 1.7600		\$ 1.6550		\$ 1.5250		\$ 1.5250				
3	\$ 2.4400		\$ 2.1850		\$ 1.9050	3	\$ 1.7600		\$ 1.6450		\$ 1.4400		\$ 1.4400				
4	\$ 2.4400		\$ 2.2700		\$ 1.9900	4	\$ 1.7500		\$ 1.7500		\$ 1.3950		\$ 1.3950				
5	\$ 2.6200		\$ 2.2400		\$ 1.9900	5	\$ 1.7600		\$ 1.7750		\$ 1.3950		\$ 1.3950				
6	\$ 2.7150		\$ 2.1950		\$ 1.9900	6	\$ 1.7800		\$ 1.7750		\$ 1.3950		\$ 1.3950				
7	\$ 2.7900		\$ 2.1150		\$ 2.0650	7	\$ 1.7950		\$ 1.6700		\$ 1.6100		\$ 1.6100				
8	\$ 2.7650		\$ 2.1150		\$ 2.0350	8	\$ 1.8150		\$ 1.6700		\$ 1.7350		\$ 1.7350				
9	\$ 2.6950		\$ 2.1150		\$ 2.0000	9	\$ 1.8150		\$ 1.6700		\$ 1.7600		\$ 1.7600				
10	\$ 2.6950		\$ 2.0650		\$ 1.8900	10	\$ 1.8150		\$ 1.6350		\$ 1.6600		\$ 1.6600				
11	\$ 2.6950		\$ 2.1700		\$ 2.0000	11	\$ 1.7250		\$ 1.7750		\$ 1.6600		\$ 1.6600				
12	\$ 2.6300		\$ 2.2100		\$ 2.0000	12	\$ 1.7250		\$ 1.8800		\$ 1.6600		\$ 1.6600				
13	\$ 2.6300		\$ 2.1900		\$ 2.0000	13	\$ 1.8050		\$ 1.7450		\$ 1.6600		\$ 1.6600				
14	\$ 2.5400		\$ 2.1650		\$ 1.9800	14	\$ 1.8500		\$ 1.8550		\$ 1.7350		\$ 1.7350				
15	\$ 2.6200		\$ 2.1650		\$ 2.0350	15	\$ 1.7750		\$ 1.8550		\$ 1.6150		\$ 1.6150				
16	\$ 2.6000		\$ 2.1650		\$ 1.9850	16	\$ 1.7750		\$ 1.8550		\$ 1.5650		\$ 1.5650				
17	\$ 2.6000		\$ 2.2800		\$ 2.0300	17	\$ 1.7750		\$ 1.7600		\$ 1.4950		\$ 1.4950				
18	\$ 2.6000		\$ 2.2700		\$ 1.9600	18	\$ 1.7750		\$ 1.7300		\$ 1.6800		\$ 1.6800				
19	\$ 2.5300		\$ 2.1700		\$ 1.9600	19	\$ 1.9150		\$ 1.5950		\$ 1.6800		\$ 1.6800				
20	\$ 2.4300		\$ 2.1550		\$ 1.9600	20	\$ 1.9550		\$ 1.5900		\$ 1.6800		\$ 1.6800				
21	\$ 2.4200		\$ 2.2250		\$ 1.9600	21	\$ 1.9150		\$ 1.5750		\$ 1.7000		\$ 1.7000				
22	\$ 2.4150		\$ 2.2250		\$ 1.8650	22	\$ 1.8500		\$ 1.5750		\$ 1.8250		\$ 1.8250				
23	\$ 2.5000		\$ 2.2250		\$ 1.8750	23	\$ 1.8500		\$ 1.5750		\$ 1.8250		\$ 1.8250				
24	\$ 2.5000		\$ 2.0800		\$ 1.8850	24	\$ 1.8500		\$ 1.5550		\$ 1.8250		\$ 1.8250				
25	\$ 2.5000		\$ 2.0200		\$ 1.8450	25	\$ 1.8000		\$ 1.6250		\$ 1.7150		\$ 1.7150				
26	\$ 2.3950		\$ 2.0200		\$ 1.8450	26	\$ 1.8100		\$ 1.6200		\$ 1.7150		\$ 1.7150				
27	\$ 2.2850		\$ 1.9850		\$ 1.8450	27	\$ 1.8450		\$ 1.5900		\$ 1.7150		\$ 1.7150				
28	\$ 2.2850		\$ 1.7350		\$ 1.8700	28	\$ 1.7200		\$ 1.5450		\$ 1.5950		\$ 1.5950				
29	\$ 2.2850		\$ 1.7350		\$ 1.8800	29	\$ 1.7200		\$ 1.5450		\$ 1.7650		\$ 1.7650				
30	\$ 2.2850		\$ 1.7350		\$ 1.8500	30			\$ 1.5450		\$ 1.6750		\$ 1.6750				
31			\$ 2.0200		\$ 1.8300	31			\$ 1.5900								
TOTAL	\$ 75.8900		\$ 65.7850		\$ 60.2650	TOTAL	\$ 52.2450		\$ 51.8800		\$ 49.3150		\$ 49.3150				
POSTINGS	30		31		31	POSTINGS	29		31		30		30				
AVERAGE	\$ 2.5297		\$ 2.1221		\$ 1.9440	AVERAGE	\$ 1.8016		\$ 1.6735		\$ 1.6438		\$ 1.6438				

MAY 2020		JUNE 2020		JULY 2020		AUGUST 2020		SEPTEMBER 2020		OCTOBER 2020	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 1.6400	\$ 1.5200	\$ 1.6400	1	\$ 1.7500	\$ 2.2400	\$ 1.3400				
2	\$ 1.6100	\$ 1.5250	\$ 1.5500	2	\$ 1.7500	\$ 2.2850	\$ 1.1700				
3	\$ 1.6100	\$ 1.5950	\$ 1.5500	3	\$ 1.7500	\$ 2.3300	\$ 1.0750				
4	\$ 1.6100	\$ 1.7300	\$ 1.5500	4	\$ 1.9450	\$ 2.3700	\$ 1.0750				
5	\$ 1.7500	\$ 1.6700	\$ 1.5500	5	\$ 2.0550	\$ 1.9800	\$ 1.0750				
6	\$ 1.9200	\$ 1.6400	\$ 1.5500	6	\$ 2.1650	\$ 1.9800	\$ 1.5900				
7	\$ 1.8400	\$ 1.6400	\$ 1.6700	7	\$ 2.1650	\$ 1.9800	\$ 1.8200				
8	\$ 1.7700	\$ 1.6400	\$ 1.7650	8	\$ 2.1350	\$ 1.9800	\$ 1.8800				
9	\$ 1.6700	\$ 1.6500	\$ 1.7750	9	\$ 2.1350	\$ 2.2200	\$ 1.5200				
10	\$ 1.6700	\$ 1.6550	\$ 1.7900	10	\$ 2.1350	\$ 2.1750	\$ 1.8650				
11	\$ 1.6700	\$ 1.6850	\$ 1.7550	11	\$ 2.1600	\$ 2.0750	\$ 1.8650				
12	\$ 1.6800	\$ 1.6550	\$ 1.7550	12	\$ 2.1500	\$ 1.8450	\$ 1.8650				
13	\$ 1.6050	\$ 1.5250	\$ 1.7550	13	\$ 2.0550	\$ 1.8450	\$ 2.1200				
14	\$ 1.5550	\$ 1.5250	\$ 1.7600	14	\$ 2.1000	\$ 1.8450	\$ 2.0750				
15	\$ 1.5250	\$ 1.5250	\$ 1.7150	15	\$ 2.2150	\$ 2.1050	\$ 2.0550				
16	\$ 1.5850	\$ 1.4500	\$ 1.7150	16	\$ 2.2150	\$ 2.0800	\$ 2.1900				
17	\$ 1.5850	\$ 1.3250	\$ 1.7250	17	\$ 2.2150	\$ 1.8850	\$ 2.0950				
18	\$ 1.5850	\$ 1.4600	\$ 1.7050	18	\$ 2.2900	\$ 1.6100	\$ 2.0950				
19	\$ 1.6850	\$ 1.4400	\$ 1.7050	19	\$ 2.3600	\$ 1.5250	\$ 2.0950				
20	\$ 1.7450	\$ 1.4750	\$ 1.7050	20	\$ 2.3550	\$ 1.5250	\$ 2.3150				
21	\$ 1.7750	\$ 1.4750	\$ 1.6200	21	\$ 2.3150	\$ 1.5250	\$ 2.6450				
22	\$ 1.6250	\$ 1.4750	\$ 1.6450	22	\$ 2.2500	\$ 1.2850	\$ 2.7450				
23	\$ 1.6350	\$ 1.5950	\$ 1.6400	23	\$ 2.2500	\$ 1.4300	\$ 2.8500				
24	\$ 1.6350	\$ 1.5550	\$ 1.6800	24	\$ 2.2500	\$ 1.7350	\$ 2.7900				
25	\$ 1.6350	\$ 1.5500	\$ 1.7350	25	\$ 2.4800	\$ 1.8900	\$ 2.7900				
26	\$ 1.6350	\$ 1.4550	\$ 1.7350	26	\$ 2.4600	\$ 1.7600	\$ 2.7900				
27	\$ 1.7200	\$ 1.4200	\$ 1.7350	27	\$ 2.4850	\$ 1.7600	\$ 2.9300				
28	\$ 1.7250	\$ 1.4200	\$ 1.7100	28	\$ 2.5400	\$ 1.7600	\$ 2.9200				
29	\$ 1.6700	\$ 1.4200	\$ 1.7450	29	\$ 2.4900	\$ 1.7500	\$ 2.9650				
30	\$ 1.6700	\$ 1.6550	\$ 1.7600	30	\$ 2.4900	\$ 1.5200	\$ 2.8750				
31	\$ 1.6700		\$ 1.7650	31	\$ 2.4900		\$ 2.8750				
TOTAL	\$ 51.7050	\$ 46.3500	\$ 52.4550	TOTAL	\$ 68.6000	\$ 56.2950	\$ 66.3550				
POSTINGS	31	30	31	POSTINGS	31	30	31				
AVERAGE	\$ 1.6679	\$ 1.5450	\$ 1.6921	AVERAGE	\$ 2.2129	\$ 1.8765	\$ 2.1405				

**PBR-GAIF
INDICES
DELIVERY AREA INDEX
("DAI")**

Daily DAI Calculation for Texas Gas Zone 1 and Appalachia Lebanon-Hub
July 2020

Day	CALCULATION OF DAILY DAI TGT ZONE 1					CALCULATION OF DAILY DAI TGT ZONE 4					DAILY DAI FOR ZONES		HIGHER OF COLUMN 11 OR COLUMN 12	(14) DAILY PEFDCC	(15) TOTAL DOLLARS Col. 13 x Col. 14
	(1) PLATTS GAS DAILY MIDPOINT TGT-1	(2) FUEL RETENTION	(3) NNS DEMAND	(4) NNS COMMODITY	(5) (Col. 1/(1-Col.2)) + Col. 3 + Col. 4 DAILY DAI TGT-1	(6) PLATTS GAS DAILY MIDPOINT TGT - ZONE 4	(7) FUEL RETENTION	(8) NNS DEMAND	(9) NNS COMMODITY	(10) (Col. 6/(1-Col.7)) + Col. 8 + Col. 9 DAILY DAI TGT-4	(11) DAILY DAI TGT-1	(12) DAILY DAI TGT-4			
	1	\$1.5950	0.35%	\$0.4190	\$0.0627	\$2.0823	\$1.5900	0.35%	\$0.4190	\$0.0627	\$2.0773	\$2.0823			
2	\$1.5100	0.35%	\$0.4190	\$0.0627	\$1.9970	\$1.5000	0.35%	\$0.4190	\$0.0627	\$1.9870	\$1.9970	\$1.9870	\$1.9970	0	\$0
3	\$1.5050	0.35%	\$0.4190	\$0.0627	\$1.9920	\$1.4450	0.35%	\$0.4190	\$0.0627	\$1.9318	\$1.9920	\$1.9318	\$1.9920	0	\$0
4	\$1.5050	0.35%	\$0.4190	\$0.0627	\$1.9920	\$1.4450	0.35%	\$0.4190	\$0.0627	\$1.9318	\$1.9920	\$1.9318	\$1.9920	0	\$0
5	\$1.5050	0.35%	\$0.4190	\$0.0627	\$1.9920	\$1.4450	0.35%	\$0.4190	\$0.0627	\$1.9318	\$1.9920	\$1.9318	\$1.9920	0	\$0
6	\$1.5050	0.35%	\$0.4190	\$0.0627	\$1.9920	\$1.4450	0.35%	\$0.4190	\$0.0627	\$1.9318	\$1.9920	\$1.9318	\$1.9920	0	\$0
7	\$1.6450	0.35%	\$0.4190	\$0.0627	\$2.1325	\$1.6300	0.35%	\$0.4190	\$0.0627	\$2.1174	\$2.1325	\$2.1174	\$2.1325	0	\$0
8	\$1.7450	0.35%	\$0.4190	\$0.0627	\$2.2328	\$1.7650	0.35%	\$0.4190	\$0.0627	\$2.2529	\$2.2328	\$2.2529	\$2.2529	0	\$0
9	\$1.7500	0.35%	\$0.4190	\$0.0627	\$2.2378	\$1.7500	0.35%	\$0.4190	\$0.0627	\$2.2378	\$2.2378	\$2.2378	\$2.2378	0	\$0
10	\$1.7850	0.35%	\$0.4190	\$0.0627	\$2.2730	\$1.7750	0.35%	\$0.4190	\$0.0627	\$2.2629	\$2.2730	\$2.2629	\$2.2730	0	\$0
11	\$1.7200	0.35%	\$0.4190	\$0.0627	\$2.2077	\$1.6800	0.35%	\$0.4190	\$0.0627	\$2.1676	\$2.2077	\$2.1676	\$2.2077	0	\$0
12	\$1.7200	0.35%	\$0.4190	\$0.0627	\$2.2077	\$1.6800	0.35%	\$0.4190	\$0.0627	\$2.1676	\$2.2077	\$2.1676	\$2.2077	0	\$0
13	\$1.7200	0.35%	\$0.4190	\$0.0627	\$2.2077	\$1.6800	0.35%	\$0.4190	\$0.0627	\$2.1676	\$2.2077	\$2.1676	\$2.2077	0	\$0
14	\$1.7250	0.35%	\$0.4190	\$0.0627	\$2.2128	\$1.6450	0.35%	\$0.4190	\$0.0627	\$2.1325	\$2.2128	\$2.1325	\$2.2128	0	\$0
15	\$1.6700	0.35%	\$0.4190	\$0.0627	\$2.1578	\$1.6300	0.35%	\$0.4190	\$0.0627	\$2.1174	\$2.1578	\$2.1174	\$2.1578	0	\$0
16	\$1.6950	0.35%	\$0.4190	\$0.0627	\$2.1827	\$1.6400	0.35%	\$0.4190	\$0.0627	\$2.1275	\$2.1827	\$2.1275	\$2.1827	0	\$0
17	\$1.6700	0.35%	\$0.4190	\$0.0627	\$2.1578	\$1.6700	0.35%	\$0.4190	\$0.0627	\$2.1576	\$2.1576	\$2.1576	\$2.1576	0	\$0
18	\$1.6650	0.35%	\$0.4190	\$0.0627	\$2.1525	\$1.6350	0.35%	\$0.4190	\$0.0627	\$2.1224	\$2.1525	\$2.1224	\$2.1525	0	\$0
19	\$1.6650	0.35%	\$0.4190	\$0.0627	\$2.1525	\$1.6350	0.35%	\$0.4190	\$0.0627	\$2.1224	\$2.1525	\$2.1224	\$2.1525	0	\$0
20	\$1.6650	0.35%	\$0.4190	\$0.0627	\$2.1525	\$1.6350	0.35%	\$0.4190	\$0.0627	\$2.1224	\$2.1525	\$2.1224	\$2.1525	0	\$0
21	\$1.5850	0.35%	\$0.4190	\$0.0627	\$2.0723	\$1.5500	0.35%	\$0.4190	\$0.0627	\$2.0371	\$2.0723	\$2.0371	\$2.0723	0	\$0
22	\$1.6150	0.35%	\$0.4190	\$0.0627	\$2.1024	\$1.5900	0.35%	\$0.4190	\$0.0627	\$2.0773	\$2.1024	\$2.0773	\$2.1024	0	\$0
23	\$1.6100	0.35%	\$0.4190	\$0.0627	\$2.0974	\$1.5700	0.35%	\$0.4190	\$0.0627	\$2.0572	\$2.0974	\$2.0572	\$2.0974	0	\$0
24	\$1.6050	0.35%	\$0.4190	\$0.0627	\$2.0923	\$1.6200	0.35%	\$0.4190	\$0.0627	\$2.1074	\$2.0923	\$2.1074	\$2.1074	0	\$0
25	\$1.6600	0.35%	\$0.4190	\$0.0627	\$2.1475	\$1.6450	0.35%	\$0.4190	\$0.0627	\$2.1325	\$2.1475	\$2.1325	\$2.1475	0	\$0
26	\$1.6600	0.35%	\$0.4190	\$0.0627	\$2.1475	\$1.6450	0.35%	\$0.4190	\$0.0627	\$2.1325	\$2.1475	\$2.1325	\$2.1475	0	\$0
27	\$1.6600	0.35%	\$0.4190	\$0.0627	\$2.1475	\$1.6450	0.35%	\$0.4190	\$0.0627	\$2.1325	\$2.1475	\$2.1325	\$2.1475	0	\$0
28	\$1.6950	0.35%	\$0.4190	\$0.0627	\$2.1827	\$1.6800	0.35%	\$0.4190	\$0.0627	\$2.1676	\$2.1827	\$2.1676	\$2.1827	0	\$0
29	\$1.7000	0.35%	\$0.4190	\$0.0627	\$2.1877	\$1.7000	0.35%	\$0.4190	\$0.0627	\$2.1877	\$2.1877	\$2.1877	\$2.1877	0	\$0
30	\$1.7250	0.35%	\$0.4190	\$0.0627	\$2.2128	\$1.7250	0.35%	\$0.4190	\$0.0627	\$2.2128	\$2.2128	\$2.2128	\$2.2128	0	\$0
31	\$1.7100	0.35%	\$0.4190	\$0.0627	\$2.1977	\$1.7100	0.35%	\$0.4190	\$0.0627	\$2.1977	\$2.1977	\$2.1977	\$2.1977	0	\$0

**PBR-GAIF
CALCULATION OF
SUPPLY ZONE FIRM QUANTITY
ENTITLEMENT PERCENTAGE
("SZFQEP")**

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF SUPPLY ZONE FIRM QUANTITY ENTITLEMENT PERCENTAGE
 FOR TEXAS GAS TRANSMISSION (TGT) AND TENNESSEE GAS PIPELINE COMPANY (TGP)

COLUMN		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
LATERAL CAPACITY AND FIRM MAINLINE RECEIPT POINT CAPACITY																		
CONTRACTS	ZONE	WINTER SEASON						SUM OF COL. 1-6	ALLOCATION PERCENTAGE*	SUMMER SEASON						SUM OF COL. 8-14	ALLOCATION PERCENTAGE*	
		NOV. 18	DEC. 18	JAN. 20	FEB. 20	MAR. 20	APR. 20			MAY 20	JUN. 20	JUL. 20	AUG. 20	SEP. 20	OCT. 20			
TGT-HNS-2976)	SL	130,734	130,734	130,734	130,734	130,734	653,870	70.21%	38,896	38,899	38,899	38,896	38,899	38,899	38,899	38,899	388,250	66.02%
	1	35,472	35,473	35,473	35,473	35,473	277,366	29.79%	34,473	34,473	34,473	34,473	34,473	34,473	34,473	34,473	171,311	33.08%
	4	0	0	0	0	0	0	0.00%	0	0	0	0	0	0	0	0	0	0.00%
	TOTAL	166,207	166,207	166,207	166,207	166,207	931,236	100.00%	81,372	81,372	81,372	81,372	81,372	81,372	81,372	81,372	569,604	100.00%
TGT-FT-3493)	SL	0	0	0	0	0	0	0.00%	0	0	0	0	0	0	0	0	0	0.00%
	1	0	0	0	0	0	0	0.00%	0	0	0	0	0	0	0	0	0	0.00%
	4	60,000	60,000	60,000	60,000	60,000	300,000	100.00%	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	420,000	100.00%
	TOTAL	60,000	60,000	60,000	60,000	60,000	300,000	100.00%	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	420,000	100.00%
TGPL-FT-A-111110)	0	20,000	20,000	20,000	20,000	20,000	100,000	100.00%	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	140,000	100.00%
	1	0	0	0	0	0	0	0.00%	0	0	0	0	0	0	0	0	0	0.00%
	TOTAL	20,000	20,000	20,000	20,000	20,000	100,000	100.00%	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	140,000	100.00%
COLUMN	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
CONTRACTS	WINTER SEASON QUANTITY ENTITLEMENT	WINTER ALLOCATION PERCENT (COL. 17)	TEXAS GAS ZONE SL (COL. 18 & C. 19)	TEXAS GAS ZONE 1 (COL. 17 & C. 19)	TEXAS GAS ZONE 4 (COL. 17 & C. 19)	TENNESSEE ZONE 4 (COL. 17 & C. 19)	TENNESSEE ZONE 1 (COL. 17 & C. 19)	TOTAL	SUMMER SEASON QUANTITY ENTITLEMENT	SUMMER ALLOCATION PERCENT (COL. 17)	TEXAS GAS ZONE SL (C. 28 & C. 29)	TEXAS GAS ZONE 1 (C. 28 & C. 29)	TEXAS GAS ZONE 4 (C. 28 & C. 29)	TENNESSEE ZONE 4 (C. 28 & C. 29)	TENNESSEE ZONE 1 (C. 28 & C. 29)	TOTAL		
TGT-HNS-2976)	28,229,000	SL 70.21% 1 29.79% 4 0.00%	18,409,062	7,810,936	0	0	0	26,220,000	5,292,000	SL 59.92% 1 30.08% 4 0.00%	5,797,768	2,494,234	0	0	0	8,292,000		
TGT-FT-3493)	9,060,000	SL 0.00% 1 0.00% 4 100.00%	0	0	9,060,000	0	0	9,060,000	12,340,000	SL 0.00% 1 0.00% 4 100.00%	0	0	12,340,000	0	0	12,340,000		
TGPL-FT-A-111110)	3,320,000	0 100.00% 1 0.00%	0	0	0	3,320,000	0	3,320,000	4,280,000	0 100.00% 1 0.00%	0	0	0	4,280,000	0	4,280,000		
TOTALS	38,330,000		18,409,062	7,810,936	9,060,000	3,320,000	0	38,330,000	25,412,000		5,797,768	2,494,234	12,340,000	4,280,000	0	25,412,000		
SUPPLY ZONE FIRM QUANTITY ENTITLEMENT PERCENT**			48.07%	20.39%	23.66%	7.88%	0.00%	100.00%			22.81%	9.82%	50.53%	16.84%	0.00%	100.00%		

* ALLOCATION PERCENTAGE EQUALS TOTAL ZONE CAPACITY UNDER EACH CONTRACT DIVIDED BY TOTAL CAPACITY UNDER EACH CONTRACT.
 ** THE WINTER SEASON SUPPLY ZONE FIRM QUANTITY ENTITLEMENT PERCENTAGE IS CALCULATED BY DIVIDING THE TOTAL OF COL. 21, 22, 23, OR 24 BY THE TOTAL OF COL. 17.
 *** THE SUMMER SEASON SUPPLY ZONE FIRM QUANTITY ENTITLEMENT PERCENTAGE IS CALCULATED BY DIVIDING THE TOTAL OF COL. 25, 30, 31, 32, OR 33 BY THE TOTAL OF COL. 17.

PBR-TIF
SUPPORTING CALCULATIONS

**PBR-TIF
CALCULATION OF BENCHMARK GAS
TRANSPORTATION COSTS
("BMGTC")**

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF TOTAL ANNUAL BENCHMARK MONTHLY GAS TRANSPORTATION COSTS ("BAMSTC")
 FOR HBR TRANSPORTATION INDEX FACTOR ("TIF")

COLUMN	1	2	3	4	5	6	7	8	9
CALCULATION OF TEXAS GAS NO-NOTICE SERVICE PORTION OF BMSTC									
CALCULATION OF BASE TARIFF RATES					CALCULATION OF SURCHARGES				
NMS DEMAND CHARGES			NIB COMMODITY CHARGES			ACA			
MONTH	DAYS	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (1)(2)(3)	COMM. CHARGE	CITY-GATE DELIVERIES	TOTAL (5)(6)	ACA CHARGE	TOTAL (6)(8)
NOV. 19	30	\$0.4190	184,900	\$2,324,193	\$0.0614	2,420,168	\$148,598	\$0.0013	\$3,140
DEC. 19	31	\$0.4180	184,900	\$2,401,686	\$0.0614	1,881,516	\$121,665	\$0.0013	\$2,576
JAN. 20	31	\$0.4190	184,900	\$2,401,608	\$0.0614	1,008,180	\$61,902	\$0.0013	\$1,311
FEB. 20	29	\$0.4190	184,900	\$2,240,720	\$0.0614	1,457,451	\$89,487	\$0.0013	\$1,885
MAR. 20	31	\$0.4190	184,900	\$2,401,698	\$0.0614	857,138	\$52,820	\$0.0013	\$1,115
APR. 20	30	\$0.4190	67,440	\$1,234,821	\$0.0614	480,384	\$30,489	\$0.0013	\$624
MAY 20	31	\$0.4180	60,000	\$779,340	\$0.0614	153,200	\$9,407	\$0.0013	\$169
JUN. 20	30	\$0.4190	60,000	\$754,200	\$0.0614	4,965	\$306	\$0.0013	\$7
JUL. 20	31	\$0.4190	60,000	\$779,340	\$0.0614	977,784	\$60,038	\$0.0013	\$1,271
AUG. 20	31	\$0.4190	60,000	\$779,340	\$0.0614	1,637,466	\$100,540	\$0.0013	\$2,129
SEP. 20	30	\$0.4190	60,000	\$754,200	\$0.0614	1,442,729	\$88,584	\$0.0013	\$1,875
OCT. 20	31	\$0.4190	117,020	\$1,519,973	\$0.0614	2,010,979	\$123,474	\$0.0011	\$2,212
TOTAL	366		1,436,980	\$16,367,125		14,431,979	\$888,123		\$18,380

\$2,671,513
 \$2,057,230
 \$2,657,230
 \$2,485,786
 \$2,057,230
 \$1,472,141
 \$1,034,904
 \$1,001,520
 \$1,034,904
 \$34,100
 \$1,775,537

COLUMN	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
CALCULATION OF TEXAS GAS RATE FT PORTION OF BMSTC																		
CALCULATION OF BASE TARIFF RATES										TOTAL COMM		TOTAL		CALCULATION OF SURCHARGES				
FT DEMAND CHARGES			SL COMM.			Z1 CITY-GATE			Z3 CITY-GATE			Z4 CITY-GATE		(15X17) + (18X19) + (20X21)		(15+17+19+21)		
MONTH	DAYS	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (1)(2)(3)	CHARGE	DELIVERIES	CHARGE	DELIVERIES	CHARGE	DELIVERIES	CHARGE	DELIVERIES	CHARGE	DELIVERIES	CHARGE	DELIVERIES	CHARGE	TOTAL (23)(24)
NOV. 19	30	\$0.1374	80,000	\$247,320	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	814,389	\$29,318	814,389	\$0.0013	\$1,059	\$1,059	
DEC. 19	31	\$0.1374	80,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	483,498	\$17,305	483,498	\$0.0013	\$628	\$628	
JAN. 20	31	\$0.1374	80,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	433,655	\$15,611	433,655	\$0.0013	\$554	\$554	
FEB. 20	29	\$0.1374	80,000	\$239,076	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	508,420	\$18,303	508,420	\$0.0013	\$651	\$651	
MAR. 20	31	\$0.1374	80,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	647,268	\$23,502	647,268	\$0.0013	\$841	\$841	
APR. 20	30	\$0.1374	80,000	\$247,320	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	707,800	\$25,481	707,800	\$0.0013	\$920	\$920	
MAY 20	31	\$0.1374	80,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	742,691	\$26,737	742,691	\$0.0013	\$965	\$965	
JUN. 20	30	\$0.1374	80,000	\$247,320	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	1,136,466	\$40,913	1,136,466	\$0.0013	\$1,477	\$1,477	
JUL. 20	31	\$0.1374	80,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	1,238,876	\$44,835	1,238,876	\$0.0013	\$1,612	\$1,612	
AUG. 20	31	\$0.1374	80,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	1,059,814	\$36,953	1,059,814	\$0.0013	\$2,418	\$2,418	
SEP. 20	30	\$0.1374	80,000	\$247,320	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	1,797,814	\$64,721	1,797,814	\$0.0013	\$2,337	\$2,337	
OCT. 20	31	\$0.1374	80,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	1,859,814	\$66,853	1,859,814	\$0.0011	\$2,046	\$2,046	
TOTAL	366		720,000	\$3,017,364		0		0		0		12,231,505	\$440,333	12,231,505			\$16,529	

COLUMN	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41		
CALCULATION OF TEXAS GAS RATE STF PORTION OF BMSTC																		
CALCULATION OF BASE TARIFF RATES										TOTAL COMM.		TOTAL		CALCULATION OF SURCHARGES				
STF DEMAND CHARGES			SL COMM.			Z1 CITY-GATE			Z3 CITY-GATE			Z4 CITY-GATE		(32X33) + (34X35) + (36X37)		(31+33+35+37)		
MONTH	DAYS	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (26)(27)(28)	CHARGE	DELIVERIES	CHARGE	DELIVERIES	CHARGE	DELIVERIES	CHARGE	DELIVERIES	CHARGE	DELIVERIES	CHARGE	DELIVERIES	CHARGE	TOTAL (36)(40)
NOV. 19	30	\$0.4252	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0013	\$0	\$0	
DEC. 19	31	\$0.4252	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0013	\$0	\$0	
JAN. 20	31	\$0.4252	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0013	\$0	\$0	
FEB. 20	29	\$0.4252	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0013	\$0	\$0	
MAR. 20	31	\$0.4252	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0013	\$0	\$0	
APR. 20	30	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0013	\$0	\$0	
MAY 20	31	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0013	\$0	\$0	
JUN. 20	30	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0013	\$0	\$0	
JUL. 20	31	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0013	\$0	\$0	
AUG. 20	31	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0013	\$0	\$0	
SEP. 20	30	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0013	\$0	\$0	
OCT. 20	31	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0011	\$0	\$0	
TOTAL	366		0	\$0		0		0		0		0	\$0	0			\$0	

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF TOTAL ANNUAL BENCHMARK MONTHLY GAS TRANSPORTATION COSTS ("TABMGTC")
 FOR PBR TRANSPORTATION INDEX FACTOR ("TIF")

COLUMN 42 43 44 45

MONTH	NNS		TOTAL	TOTAL
	CALC. OF DIRECT BILLS		S&DB	NNS
	CASH- OUT	OTHER	(9+42+43)	(4+7+44)
NOV. 19	\$0	\$0	\$3,146	\$2,475,937
DEC. 19	\$0	\$0	\$2,576	\$2,525,907
JAN. 20	\$0	\$0	\$1,311	\$2,484,879
FEB. 20	\$0	\$0	\$1,895	\$2,338,102
MAR. 20	\$0	\$0	\$1,115	\$2,455,409
APR. 20	\$0	\$0	\$624	\$1,254,941
MAY 20	\$0	\$0	\$199	\$788,948
JUN. 20	\$0	\$0	\$7	\$754,513
JUL. 20	\$0	\$0	\$1,271	\$840,647
AUG. 20	\$0	\$0	\$2,129	\$882,009
SEP. 20	\$0	\$30	\$1,905	\$844,889
OCT. 20	\$0	\$0	\$2,212	\$1,645,659
TOTAL	\$0	\$30	\$18,390	\$19,271,638

COLUMN 46 47 48 49

MONTH	FT BACKHAUL		TOTAL S&DB	TOTAL FT BACKHAUL
	CALC. OF DIRECT BILLS		(25+46+ 47)	BMGTC (13+22+ 48)
	CASH- OUT	OTHER		
NOV. 19	\$0	\$0	\$1,059	\$277,597
DEC. 19	\$0	\$0	\$629	\$273,569
JAN. 20	\$0	\$0	\$564	\$271,739
FEB. 20	\$0	\$0	\$961	\$258,040
MAR. 20	\$0	\$0	\$841	\$279,707
APR. 20	\$0	\$0	\$920	\$273,721
MAY 20	\$0	\$0	\$965	\$283,266
JUN. 20	\$0	\$0	\$1,477	\$289,710
JUL. 20	\$0	\$0	\$1,612	\$301,811
AUG. 20	\$0	\$0	\$2,418	\$324,835
SEP. 20	\$0	\$0	\$2,337	\$314,378
OCT. 20	\$0	\$0	\$2,046	\$324,563
TOTAL	\$0	\$0	\$15,529	\$3,473,166

COLUMN 50 51 52 53

MONTH	STF		TOTAL S&DB	TOTAL STF
	CALC. OF DIRECT BILLS		(41+50+ 51)	BMGTC (29+38+ 52)
	CASH- OUT	OTHER		
NOV. 19	\$0	\$0	\$0	\$0
DEC. 19	\$0	\$0	\$0	\$0
JAN. 20	\$0	\$0	\$0	\$0
FEB. 20	\$0	\$0	\$0	\$0
MAR. 20	\$0	\$0	\$0	\$0
APR. 20	\$0	\$0	\$0	\$0
MAY 20	\$0	\$0	\$0	\$0
JUN. 20	\$0	\$0	\$0	\$0
JUL. 20	\$0	\$0	\$0	\$0
AUG. 20	\$0	\$0	\$0	\$0
SEP. 20	\$0	\$0	\$0	\$0
OCT. 20	\$0	\$0	\$0	\$0
TOTAL	\$0	\$0	\$0	\$0

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF TOTAL ANNUAL BENCHMARK MONTHLY GAS TRANSPORTATION COSTS ("TABMGTC")
 FOR PBR TRANSPORTATION INDEX FACTOR ("TIF")

COLUMN 54

MONTH	TOTAL BM(TGT)
NOV. 19	(45+49+53)
DEC. 19	\$2,753,634
JAN. 20	\$2,798,506
FEB. 20	\$2,736,618
MAR. 20	\$2,586,142
APR. 20	\$2,735,116
MAY 20	\$1,528,662
JUN. 20	\$1,072,212
JUL. 20	\$1,044,223
AUG. 20	\$1,142,458
SEP. 20	\$1,206,944
OCT. 20	\$1,159,097
TOTAL	\$22,744,804

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF TOTAL ANNUAL BENCHMARK MONTHLY GAS TRANSPORTATION COSTS ("TABMGTC")
 FOR PBR TRANSPORTATION INDEX FACTOR ("TIF")

COLUMN	55	56	57	58	59	60	61	62	63	64	65	66	67	
CALCULATION OF TENNESSEE GAS PIPELINE FT-A SERVICE (ZONE 0) PORTION OF BMGTC														
CALCULATION OF BASE TARIFF RATES				CALCULATION OF SURCHARGES AND DIRECT BILLS				TOTAL						
	FT-A ZONE 0 DEMAND CHARGES			FT-A ZONE 0 COMMODITY CHARGES			EPCR ADJUSTMENT		ACA		TOTAL S&DB		TOTAL	
MONTH	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (55x56)	COMMODITY CHARGE	CITY-GATE DELIVERIES	TOTAL (58x59)	EPCR CHARGE	TOTAL (59x61)	ACA CHARGE	TOTAL (59x63)	OTHER	(64 + 65)	(57+60+66)	
NOV. 19	\$13,9761	20,000	\$279,522	\$0.0184	800,000	\$11,040	\$0.0199	\$11,940	\$0.0013	\$780	\$0	\$12,720	\$303,282	
DEC. 19	\$13,9761	20,000	\$279,522	\$0.0184	620,000	\$11,408	\$0.0199	\$12,338	\$0.0013	\$805	\$0	\$13,144	\$304,074	
JAN. 20	\$13,9761	20,000	\$279,522	\$0.0184	280,000	\$5,152	\$0.0199	\$5,572	\$0.0013	\$364	\$0	\$5,936	\$290,610	
FEB. 20	\$13,9761	20,000	\$279,522	\$0.0184	480,000	\$8,832	\$0.0199	\$9,552	\$0.0013	\$624	\$0	\$10,176	\$298,530	
MAR. 20	\$13,9761	20,000	\$279,522	\$0.0184	80,000	\$1,472	\$0.0199	\$1,592	\$0.0013	\$104	\$0	\$1,696	\$282,890	
APR. 20	\$13,9761	20,000	\$279,522	\$0.0184	60,000	\$1,104	\$0.0120	\$720	\$0.0013	\$78	\$0	\$798	\$281,424	
MAY 20	\$13,9761	20,000	\$279,522	\$0.0184	180,000	\$3,312	\$0.0120	\$2,160	\$0.0013	\$234	\$0	\$2,394	\$285,228	
JUN. 20	\$13,9761	20,000	\$279,522	\$0.0184	320,000	\$5,888	\$0.0120	\$3,840	\$0.0013	\$416	\$0	\$4,256	\$289,668	
JUL. 20	\$13,9761	20,000	\$279,522	\$0.0184	340,000	\$6,256	\$0.0120	\$4,080	\$0.0013	\$442	\$0	\$4,522	\$290,300	
AUG. 20	\$13,9761	20,000	\$279,522	\$0.0184	50,000	\$920	\$0.0120	\$600	\$0.0013	\$65	\$0	\$665	\$281,107	
SEP. 20	\$13,9761	20,000	\$279,522	\$0.0184	292,200	\$5,377	\$0.0120	\$3,506	\$0.0013	\$380	\$0	\$3,886	\$288,785	
OCT. 20	\$13,9761	20,000	\$279,522	\$0.0184	338,000	\$6,182	\$0.0120	\$4,032	\$0.0011	\$370	\$0	\$4,402	\$290,106	
TOTAL		240,000	\$3,354,264		3,638,200	\$68,943		\$59,932		\$4,663	\$0	\$64,595	\$3,485,802	

COLUMN	68	69	70	71	72	73	74	75	76	77	78	79	80	
CALCULATION OF TENNESSEE GAS PIPELINE FT-A SERVICE (ZONE 1) PORTION OF BMGTC														
CALCULATION OF BASE TARIFF RATES				CALCULATION OF SURCHARGES AND DIRECT BILLS				TOTAL						
	FT-A ZONE 1 DEMAND CHARGES			FT-A ZONE 1 COMMODITY CHARGES			EPCR ADJUSTMENT		ACA		TOTAL S&DB		TOTAL	
MONTH	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (68x69)	COMMODITY CHARGE	CITY-GATE DELIVERIES	TOTAL (71x72)	EPCR CHARGE	TOTAL (72x74)	ACA CHARGE	TOTAL (72x76)	OTHER	(77 + 78)	(70+73+79)	
NOV. 19	\$9,5541	0	\$0	\$0.0154	0	\$0	\$0.0165	\$0	\$0.0013	\$0	\$0	\$0	\$0	
DEC. 19	\$9,5541	0	\$0	\$0.0154	0	\$0	\$0.0165	\$0	\$0.0013	\$0	\$0	\$0	\$0	
JAN. 20	\$9,5541	0	\$0	\$0.0154	0	\$0	\$0.0165	\$0	\$0.0013	\$0	\$0	\$0	\$0	
FEB. 20	\$9,5541	0	\$0	\$0.0154	0	\$0	\$0.0165	\$0	\$0.0013	\$0	\$0	\$0	\$0	
MAR. 20	\$9,5541	0	\$0	\$0.0154	0	\$0	\$0.0165	\$0	\$0.0013	\$0	\$0	\$0	\$0	
APR. 20	\$9,5541	0	\$0	\$0.0154	0	\$0	\$0.0099	\$0	\$0.0013	\$0	\$0	\$0	\$0	
MAY 20	\$9,5541	0	\$0	\$0.0154	0	\$0	\$0.0099	\$0	\$0.0013	\$0	\$0	\$0	\$0	
JUN. 20	\$9,5541	0	\$0	\$0.0154	280,000	\$4,312	\$0.0099	\$2,772	\$0.0013	\$364	\$0	\$3,136	\$7,448	
JUL. 20	\$9,5541	0	\$0	\$0.0154	165,000	\$2,541	\$0.0099	\$1,633	\$0.0013	\$215	\$0	\$1,848	\$4,389	
AUG. 20	\$9,5541	0	\$0	\$0.0154	260,000	\$4,004	\$0.0099	\$2,574	\$0.0013	\$338	\$0	\$2,912	\$6,916	
SEP. 20	\$9,5541	0	\$0	\$0.0154	7,800	\$120	\$0.0099	\$77	\$0.0013	\$10	\$0	\$87	\$207	
OCT. 20	\$9,5541	0	\$0	\$0.0154	14,000	\$216	\$0.0099	\$138	\$0.0011	\$15	\$0	\$153	\$369	
TOTAL		0	\$0		728,800	\$11,193		\$7,194		\$942	\$0	\$8,136	\$19,329	

COLUMN	81	82	83	84	85	86	87	88	89	90	91	92	93	
CALCULATION OF TENNESSEE GAS PIPELINE FT-A SERVICE (ZONE 2) PORTION OF BMGTC														
CALCULATION OF BASE TARIFF RATES				CALCULATION OF SURCHARGES AND DIRECT BILLS				TOTAL						
	FT-A ZONE 2 DEMAND CHARGES			FT-A ZONE 2 COMMODITY CHARGES			EPCR ADJUSTMENT		ACA		TOTAL S&DB		TOTAL	
MONTH	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (81x82)	COMMODITY CHARGE	CITY-GATE DELIVERIES	TOTAL (84x85)	EPCR CHARGE	TOTAL (85x87)	ACA CHARGE	TOTAL (85x89)	OTHER	(90 + 91)	(83+86+92)	
NOV. 19	\$4,9480	0	\$0	\$0.0019	0	\$0	\$0.0010	\$0	\$0.0013	\$0	\$0	\$0	\$0	
DEC. 19	\$4,9480	0	\$0	\$0.0019	0	\$0	\$0.0010	\$0	\$0.0013	\$0	\$0	\$0	\$0	
JAN. 20	\$4,9480	0	\$0	\$0.0019	0	\$0	\$0.0010	\$0	\$0.0013	\$0	\$0	\$0	\$0	
FEB. 20	\$4,9480	0	\$0	\$0.0019	0	\$0	\$0.0010	\$0	\$0.0013	\$0	\$0	\$0	\$0	
MAR. 20	\$4,9480	0	\$0	\$0.0019	0	\$0	\$0.0010	\$0	\$0.0013	\$0	\$0	\$0	\$0	
APR. 20	\$4,9480	0	\$0	\$0.0019	0	\$0	\$0.0006	\$0	\$0.0013	\$0	\$0	\$0	\$0	
MAY 20	\$4,9480	0	\$0	\$0.0019	0	\$0	\$0.0006	\$0	\$0.0013	\$0	\$0	\$0	\$0	
JUN. 20	\$4,9480	0	\$0	\$0.0019	0	\$0	\$0.0006	\$0	\$0.0013	\$0	\$0	\$0	\$0	
JUL. 20	\$4,9480	0	\$0	\$0.0019	0	\$0	\$0.0008	\$0	\$0.0013	\$0	\$0	\$0	\$0	
AUG. 20	\$4,9480	0	\$0	\$0.0019	0	\$0	\$0.0006	\$0	\$0.0013	\$0	\$0	\$0	\$0	
SEP. 20	\$4,9480	0	\$0	\$0.0019	0	\$0	\$0.0006	\$0	\$0.0013	\$0	\$0	\$0	\$0	
OCT. 20	\$4,9480	0	\$0	\$0.0019	0	\$0	\$0.0006	\$0	\$0.0011	\$0	\$0	\$0	\$0	
TOTAL		0	\$0		0	\$0		\$0		\$0	\$0	\$0	\$0	

COLUMN	94	95
TOTAL		
MONTH	TOTAL S&DB (67+80+93+94)	TOTAL BMGTC (83+86+92)
NOV. 19	\$40	\$303,322
DEC. 19	\$160	\$304,234
JAN. 20	(\$2,648)	\$287,962
FEB. 20	(\$678)	\$297,652
MAR. 20	(\$110)	\$282,580
APR. 20	(\$301)	\$281,123
MAY 20	(\$210)	\$285,018
JUN. 20	(\$114)	\$287,000
JUL. 20	(\$214)	\$284,475
AUG. 20	(\$350)	\$287,073
SEP. 20	(\$83)	\$288,929
OCT. 20	(\$2,938)	\$287,537
TOTAL	(\$7,426)	\$3,497,705

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF TOTAL ANNUAL BENCHMARK MONTHLY GAS TRANSPORTATION COSTS ("TABMGTC")
 FOR PBR TRANSPORTATION INDEX FACTOR ("TIF")

COLUMN	SUMMARY OF PIPELINE BENCHMARKS			
	98	97	98	99
	TOTAL BM(TGT) COL 54	TOTAL BM(TGPL) COL 95	TOTAL BM(PPLI)*	TABMGTC (98+97+98)
NOV. 19	\$2,753,634	\$303,322	\$0	\$3,056,956
DEC. 19	\$2,799,506	\$304,234	\$0	\$3,103,740
JAN. 20	\$2,736,618	\$287,962	\$0	\$3,024,580
FEB. 20	\$2,596,142	\$297,852	\$0	\$2,893,994
MAR. 20	\$2,735,116	\$282,580	\$0	\$3,017,696
APR. 20	\$1,528,652	\$261,123	\$0	\$1,809,765
MAY 20	\$1,072,212	\$285,018	\$0	\$1,357,230
JUN. 20	\$1,044,223	\$297,000	\$0	\$1,341,223
JUL. 20	\$1,142,458	\$294,475	\$0	\$1,436,933
AUG. 20	\$1,206,944	\$287,673	\$0	\$1,494,617
SEP. 20	\$1,159,067	\$288,929	\$0	\$1,447,996
OCT. 20	\$1,970,222	\$287,537	\$0	\$2,257,759
TOTAL	\$22,744,804	\$3,487,705	\$0	\$26,242,509

*THERE WERE NO TRANSACTIONS WHICH
 REQUIRED LG&E TO USE PIPELINE SERVICES
 OTHER THAN THOSE IT HAD UNDER CONTRACT.
 THEREFORE, NO PROXY PIPELINE BENCHMARK
 HAS BEEN CALCULATED.

**PBR-TIF
CALCULATION OF ANNUAL ACTUAL GAS
TRANSPORTATION COSTS
("AAGTC")**

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF TOTAL ACTUAL ANNUAL GAS TRANSPORTATION COSTS ("TAAGTC")
 FOR PBR TRANSPORTATION INDEX FACTOR ("TIF")

COLUMN	1	2	3
MONTH	ACTUAL PIPELINE TRANSPORTATION COSTS - TEXAS GAS	ACTUAL ANNUAL GAS TRANSPORT. COSTS - TENNESSEE	TOTAL ANNUAL ACTUAL GAS TRANSPORTATION COSTS ("TAAGTC") (1 + 2)
NOV. 19	\$2,753,634	\$124,538	\$2,878,172
DEC. 19	\$2,799,506	\$125,450	\$2,924,956
JAN. 20	\$2,736,618	\$109,178	\$2,845,796
FEB. 20	\$2,596,142	\$119,068	\$2,715,210
MAR. 20	\$2,735,116	\$103,796	\$2,838,912
APR. 20	\$1,528,662	\$102,339	\$1,631,001
MAY 20	\$1,050,512	\$106,234	\$1,156,746
JUN. 20	\$1,044,223	\$118,216	\$1,162,439
JUL. 20	\$1,108,358	\$115,691	\$1,224,049
AUG. 20	\$1,206,944	\$108,889	\$1,315,833
SEP. 20	\$1,159,067	\$110,145	\$1,269,212
OCT. 20	\$1,970,222	\$108,753	\$2,078,975
TOTAL	\$22,689,004	\$1,352,297	\$24,041,301

PBR-TIF
CALCULATION OF SAVINGS AND/OR EXPENSES

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF SAVINGS AND EXPENSES
 UNDER PBR TRANSPORTATION INDEX FACTOR ("TIF")

COLUMN	1	2	3
	<u>TABMGTC</u>	<u>TAAGTC</u>	<u>SAVINGS (EXPENSE)</u> <u>(1 - 2)</u>
NOV. 19	\$3,056,956	\$2,878,172	\$178,784
DEC. 19	\$3,103,740	\$2,924,956	\$178,784
JAN. 20	\$3,024,580	\$2,845,796	\$178,784
FEB. 20	\$2,893,994	\$2,715,210	\$178,784
MAR. 20	\$3,017,696	\$2,838,912	\$178,784
APR. 20	\$1,809,785	\$1,631,001	\$178,784
MAY 20	\$1,357,230	\$1,156,746	\$200,484
JUN. 20	\$1,341,223	\$1,162,439	\$178,784
JUL. 20	\$1,436,933	\$1,224,049	\$212,884
AUG. 20	\$1,494,617	\$1,315,833	\$178,784
SEP. 20	\$1,447,996	\$1,269,212	\$178,784
OCT. 20	\$2,257,759	\$2,078,975	\$178,784
TOTAL	\$26,242,509	\$24,041,301	\$2,201,208

**PBR-TIF
TARIFF SHEETS**

**PBR-TIF
TEXAS GAS TARIFF SHEETS
RATE NNS**

**PBR-TIF
TEXAS GAS TARIFF SHEETS
RATE FT**

**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.

PBR-TIF
TENNESSEE TARIFF SHEETS
RATE FT-A

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	\$4.8571		\$10.1498	\$13.6529	\$13.8945	\$15.2673	\$16.2055	\$20.3323
L		\$4.3119						
1	\$7.3119		\$7.0090	\$9.3276	\$13.2135	\$13.0132	\$14.6759	\$18.0462
2	\$13.6530		\$9.2716	\$4.8222	\$4.5078	\$5.7679	\$7.9331	\$10.2407
3	\$13.8945		\$7.3440	\$4.8611	\$3.5070	\$5.3870	\$9.7428	\$11.2581
4	\$17.6413		\$16.2638	\$6.1979	\$9.4190	\$4.6105	\$4.9861	\$7.1232
5	\$21.0347		\$14.7807	\$6.5015	\$7.8669	\$5.1218	\$4.8044	\$6.2544
6	\$24.3333		\$16.9768	\$11.6840	\$12.8717	\$9.0920	\$4.7831	\$4.1405

Daily Base
 Reservation Rate 1/

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	\$0.1597		\$0.3337	\$0.4489	\$0.4568	\$0.5019	\$0.5328	\$0.6685
L		\$0.1418						
1	\$0.2404		\$0.2304	\$0.3067	\$0.4344	\$0.4278	\$0.4825	\$0.5933
2	\$0.4489		\$0.3048	\$0.1585	\$0.1482	\$0.1896	\$0.2608	\$0.3367
3	\$0.4568		\$0.2414	\$0.1598	\$0.1153	\$0.1771	\$0.3203	\$0.3701
4	\$0.5800		\$0.5347	\$0.2038	\$0.3097	\$0.1516	\$0.1639	\$0.2342
5	\$0.6916		\$0.4859	\$0.2137	\$0.2586	\$0.1684	\$0.1580	\$0.2056
6	\$0.8000		\$0.5581	\$0.3841	\$0.4232	\$0.2989	\$0.1573	\$0.1361

Maximum Reservation
 Rates 2/, 3/

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	\$4.8752		\$10.1679	\$13.6710	\$13.9126	\$15.2854	\$16.2236	\$20.3504
L		\$4.3300						
1	\$7.3300		\$7.0271	\$9.3457	\$13.2316	\$13.0313	\$14.6940	\$18.0643
2	\$13.6711		\$9.2897	\$4.8403	\$4.5259	\$5.7860	\$7.9512	\$10.2588
3	\$13.9126		\$7.3621	\$4.8792	\$3.5251	\$5.4051	\$9.7609	\$11.2762
4	\$17.6594		\$16.2819	\$6.2160	\$9.4371	\$4.6286	\$5.0042	\$7.1413
5	\$21.0528		\$14.7988	\$6.5196	\$7.8850	\$5.1399	\$4.8225	\$6.2725
6	\$24.3514		\$16.9949	\$11.7021	\$12.8898	\$9.1101	\$4.8012	\$4.1586

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 \$0.0181.

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	\$4.9656		\$10.3766	\$13.9580	\$14.2050	\$15.6084	\$16.5676	\$20.7866
	L		\$4.4083						
	1	\$7.4753		\$7.1656	\$9.5360	\$13.5088	\$13.3040	\$15.0039	\$18.4494
	2	\$13.9581		\$9.4788	\$4.9299	\$4.6086	\$5.8968	\$8.1104	\$10.4695
	3	\$14.2050		\$7.5081	\$4.9697	\$3.5853	\$5.5074	\$9.9605	\$11.5097
	4	\$18.0356		\$16.6272	\$6.3364	\$9.6295	\$4.7135	\$5.0976	\$7.2824
	5	\$21.5048		\$15.1110	\$6.6468	\$8.0427	\$5.2363	\$4.9117	\$6.3942
	6	\$24.8770		\$17.3562	\$11.9451	\$13.1593	\$9.2952	\$4.8900	\$4.2331

Daily Base Reservation Rate 1/	RECEIPT ZONE	DELIVERY ZONE							
		0	L	1	2	3	4	5	6
	0	\$0.1633		\$0.3411	\$0.4589	\$0.4670	\$0.5132	\$0.5447	\$0.6834
	L		\$0.1449						
	1	\$0.2458		\$0.2356	\$0.3135	\$0.4441	\$0.4374	\$0.4933	\$0.6066
	2	\$0.4589		\$0.3116	\$0.1621	\$0.1515	\$0.1939	\$0.2666	\$0.3442
	3	\$0.4670		\$0.2468	\$0.1634	\$0.1179	\$0.1811	\$0.3275	\$0.3784
	4	\$0.5930		\$0.5466	\$0.2083	\$0.3166	\$0.1550	\$0.1676	\$0.2394
	5	\$0.7070		\$0.4968	\$0.2185	\$0.2644	\$0.1722	\$0.1615	\$0.2102
	6	\$0.8179		\$0.5706	\$0.3927	\$0.4326	\$0.3056	\$0.1608	\$0.1392

Maximum Reservation Rates 2 /, 3 /	RECEIPT ZONE	DELIVERY ZONE							
		0	L	1	2	3	4	5	6
	0	\$4.9837		\$10.3947	\$13.9761	\$14.2231	\$15.6265	\$16.5857	\$20.8047
	L		\$4.4264						
	1	\$7.4934		\$7.1837	\$9.5541	\$13.5269	\$13.3221	\$15.0220	\$18.4675
	2	\$13.9762		\$9.4969	\$4.9480	\$4.6267	\$5.9149	\$8.1285	\$10.4876
	3	\$14.2231		\$7.5262	\$4.9878	\$3.6034	\$5.5255	\$9.9786	\$11.5278
	4	\$18.0537		\$16.6453	\$6.3545	\$9.6476	\$4.7316	\$5.1157	\$7.3005
	5	\$21.5229		\$15.1291	\$6.6649	\$8.0608	\$5.2544	\$4.9298	\$6.4123
	6	\$24.8951		\$17.3743	\$11.9632	\$13.1774	\$9.3133	\$4.9081	\$4.2512

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 \$0.0181.

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	\$4.9656		\$10.3766	\$13.9580	\$14.2050	\$15.6084	\$16.5676	\$20.7866
	L		\$4.4083						
	1	\$7.4753		\$7.1656	\$9.5360	\$13.5088	\$13.3040	\$15.0039	\$18.4494
	2	\$13.9581		\$9.4788	\$4.9299	\$4.6086	\$5.8968	\$8.1104	\$10.4695
	3	\$14.2050		\$7.5081	\$4.9697	\$3.5853	\$5.5074	\$9.9605	\$11.5097
	4	\$18.0356		\$16.6272	\$6.3364	\$9.6295	\$4.7135	\$5.0976	\$7.2824
	5	\$21.5048		\$15.1110	\$6.6468	\$8.0427	\$5.2363	\$4.9117	\$6.3942
	6	\$24.8770		\$17.3562	\$11.9451	\$13.1593	\$9.2952	\$4.8900	\$4.2331

Daily Base Reservation Rate 1/	RECEIPT ZONE	DELIVERY ZONE							
		0	L	1	2	3	4	5	6
	0	\$0.1633		\$0.3411	\$0.4589	\$0.4670	\$0.5132	\$0.5447	\$0.6834
	L		\$0.1449						
	1	\$0.2458		\$0.2356	\$0.3135	\$0.4441	\$0.4374	\$0.4933	\$0.6066
	2	\$0.4589		\$0.3116	\$0.1621	\$0.1515	\$0.1939	\$0.2666	\$0.3442
	3	\$0.4670		\$0.2468	\$0.1634	\$0.1179	\$0.1811	\$0.3275	\$0.3784
	4	\$0.5930		\$0.5466	\$0.2083	\$0.3166	\$0.1550	\$0.1676	\$0.2394
	5	\$0.7070		\$0.4968	\$0.2185	\$0.2644	\$0.1722	\$0.1615	\$0.2102
	6	\$0.8179		\$0.5706	\$0.3927	\$0.4326	\$0.3056	\$0.1608	\$0.1392

Maximum Reservation Rates 2 /, 3 /	RECEIPT ZONE	DELIVERY ZONE							
		0	L	1	2	3	4	5	6
	0	\$4.9824		\$10.3934	\$13.9748	\$14.2218	\$15.6252	\$16.5844	\$20.8034
	L		\$4.4251						
	1	\$7.4921		\$7.1824	\$9.5528	\$13.5256	\$13.3208	\$15.0207	\$18.4662
	2	\$13.9749		\$9.4956	\$4.9467	\$4.6254	\$5.9136	\$8.1272	\$10.4863
	3	\$14.2218		\$7.5249	\$4.9865	\$3.6021	\$5.5242	\$9.9773	\$11.5265
	4	\$18.0524		\$16.6440	\$6.3532	\$9.6463	\$4.7303	\$5.1144	\$7.2992
	5	\$21.5216		\$15.1278	\$6.6636	\$8.0595	\$5.2531	\$4.9285	\$6.4110
	6	\$24.8938		\$17.3730	\$11.9619	\$13.1761	\$9.3120	\$4.9068	\$4.2499

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.

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	\$0.2339	\$0.2232	\$0.2656
L		\$0.0012						
1	\$0.0042		\$0.0081	\$0.0147	\$0.0179	\$0.1989	\$0.2028	\$0.2315
2	\$0.0167		\$0.0087	\$0.0012	\$0.0028	\$0.0644	\$0.1032	\$0.1144
3	\$0.0207		\$0.0169	\$0.0026	\$0.0002	\$0.0860	\$0.1190	\$0.1300
4	\$0.0250		\$0.0205	\$0.0087	\$0.0105	\$0.0398	\$0.0563	\$0.0912
5	\$0.0284		\$0.0256	\$0.0100	\$0.0118	\$0.0560	\$0.0555	\$0.0689
6	\$0.0346		\$0.0300	\$0.0143	\$0.0163	\$0.0862	\$0.0467	\$0.0284

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	\$0.0039		\$0.0122	\$0.0184	\$0.0226	\$0.2346	\$0.2239	\$0.2663
L		\$0.0019						
1	\$0.0049		\$0.0088	\$0.0154	\$0.0186	\$0.1996	\$0.2035	\$0.2322
2	\$0.0174		\$0.0094	\$0.0019	\$0.0035	\$0.0651	\$0.1039	\$0.1151
3	\$0.0214		\$0.0176	\$0.0033	\$0.0009	\$0.0867	\$0.1197	\$0.1307
4	\$0.0257		\$0.0212	\$0.0094	\$0.0112	\$0.0405	\$0.0570	\$0.0919
5	\$0.0291		\$0.0263	\$0.0107	\$0.0125	\$0.0567	\$0.0562	\$0.0696
6	\$0.0353		\$0.0307	\$0.0150	\$0.0170	\$0.0869	\$0.0474	\$0.0291

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&L'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 \$0.0007.

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	\$0.2391	\$0.2282	\$0.2716
L		\$0.0012						
1	\$0.0042		\$0.0081	\$0.0147	\$0.0179	\$0.2033	\$0.2073	\$0.2367
2	\$0.0167		\$0.0087	\$0.0012	\$0.0028	\$0.0658	\$0.1055	\$0.1169
3	\$0.0207		\$0.0169	\$0.0026	\$0.0002	\$0.0879	\$0.1217	\$0.1329
4	\$0.0250		\$0.0205	\$0.0087	\$0.0105	\$0.0407	\$0.0576	\$0.0932
5	\$0.0284		\$0.0256	\$0.0100	\$0.0118	\$0.0573	\$0.0567	\$0.0705
6	\$0.0346		\$0.0300	\$0.0143	\$0.0163	\$0.0881	\$0.0478	\$0.0290

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	\$0.0039		\$0.0122	\$0.0184	\$0.0226	\$0.2398	\$0.2289	\$0.2723
L		\$0.0019						
1	\$0.0049		\$0.0088	\$0.0154	\$0.0186	\$0.2040	\$0.2080	\$0.2374
2	\$0.0174		\$0.0094	\$0.0019	\$0.0035	\$0.0665	\$0.1062	\$0.1176
3	\$0.0214		\$0.0176	\$0.0033	\$0.0009	\$0.0886	\$0.1224	\$0.1336
4	\$0.0257		\$0.0212	\$0.0094	\$0.0112	\$0.0414	\$0.0583	\$0.0939
5	\$0.0291		\$0.0263	\$0.0107	\$0.0125	\$0.0580	\$0.0574	\$0.0712
6	\$0.0353		\$0.0307	\$0.0150	\$0.0170	\$0.0888	\$0.0485	\$0.0297

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 \$0.0007.

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	\$0.2391	\$0.2282	\$0.2716
L		\$0.0012						
1	\$0.0042		\$0.0081	\$0.0147	\$0.0179	\$0.2033	\$0.2073	\$0.2367
2	\$0.0167		\$0.0087	\$0.0012	\$0.0028	\$0.0658	\$0.1055	\$0.1169
3	\$0.0207		\$0.0169	\$0.0026	\$0.0002	\$0.0879	\$0.1217	\$0.1329
4	\$0.0250		\$0.0205	\$0.0087	\$0.0105	\$0.0407	\$0.0576	\$0.0932
5	\$0.0284		\$0.0256	\$0.0100	\$0.0118	\$0.0573	\$0.0567	\$0.0705
6	\$0.0346		\$0.0300	\$0.0143	\$0.0163	\$0.0881	\$0.0478	\$0.0290

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	\$0.2397	\$0.2288	\$0.2722
L		\$0.0018						
1	\$0.0048		\$0.0087	\$0.0153	\$0.0185	\$0.2039	\$0.2079	\$0.2373
2	\$0.0173		\$0.0093	\$0.0018	\$0.0034	\$0.0664	\$0.1061	\$0.1175
3	\$0.0213		\$0.0175	\$0.0032	\$0.0008	\$0.0885	\$0.1223	\$0.1335
4	\$0.0256		\$0.0211	\$0.0093	\$0.0111	\$0.0413	\$0.0582	\$0.0938
5	\$0.0290		\$0.0262	\$0.0106	\$0.0124	\$0.0579	\$0.0573	\$0.0711
6	\$0.0352		\$0.0306	\$0.0149	\$0.0169	\$0.0887	\$0.0484	\$0.0296

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.

FUEL AND EPCR

F&LR 1/, 2/, 3/, 4/

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	0.38%		1.55%	2.47%	3.08%	3.59%	4.24%	4.84%
L		0.10%						
1	0.52%		1.08%	2.00%	2.44%	3.02%	3.68%	4.21%
2	2.47%		1.16%	0.09%	0.33%	0.77%	1.43%	1.96%
3	3.08%		2.44%	0.33%	0.00%	1.14%	1.70%	2.32%
4	3.59%		2.79%	1.16%	1.41%	0.35%	0.63%	1.22%
5	4.24%		3.68%	1.45%	1.73%	0.62%	0.62%	0.84%
6	5.09%		4.40%	2.00%	2.32%	1.13%	0.46%	0.14%

Broad Run Expansion Project – Market Component (Z3-Z1): 5/ 6.59%

EPCR 3/, 4/

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	\$0.0020		\$0.0077	\$0.0120	\$0.0149	\$0.0180	\$0.0204	\$0.0245
L		\$0.0007						
1	\$0.0027		\$0.0054	\$0.0099	\$0.0121	\$0.0151	\$0.0184	\$0.0212
2	\$0.0120		\$0.0058	\$0.0006	\$0.0018	\$0.0039	\$0.0071	\$0.0098
3	\$0.0149		\$0.0121	\$0.0018	\$0.0000	\$0.0057	\$0.0084	\$0.0113
4	\$0.0180		\$0.0139	\$0.0058	\$0.0070	\$0.0019	\$0.0032	\$0.0061
5	\$0.0204		\$0.0184	\$0.0071	\$0.0084	\$0.0032	\$0.0032	\$0.0042
6	\$0.0245		\$0.0212	\$0.0098	\$0.0113	\$0.0057	\$0.0024	\$0.0009

Broad Run Expansion Project – Market Component (Z3-Z1): 5/ \$0.0429

- 1/ Included in the above F&LR is the Losses component of the F&LR equal to -0.09%.
- 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 XXVII 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 -0.09%.

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%.

**FERC ACA UNIT CHARGE
EFFECTIVE OCTOBER 1, 2019**

FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, D.C. 20426

FY 2019 GAS ANNUAL CHARGES
CORRECTION FOR ANNUAL CHARGES UNIT CHARGE
June 18, 2019

The annual charges unit charge (ACA) to be applied to in fiscal year 2020 for recovery of FY 2019 Current year and 2018 True-Up is **\$0.0013** per Dekatherm (Dth). The new ACA surcharge will become effective October 1, 2019.

The following calculations were used to determine the FY 2019 unit charge:

2019 CURRENT:

Estimated Program Cost \$72,947,000 divided by 56,271,363,511 Dth = 0.0012963432

2018 TRUE-UP:

Debit/Credit Cost (\$1,595,692) divided by 49,876,999,197 Dth = (0.0000319925)

TOTAL UNIT CHARGE = 0.0012643507

If you have any questions, please contact Raven A. Rodriguez at (202)502-6276 or e-mail at Raven.Rodriguez@ferc.gov.

PUBLIC

**FERC ACA UNIT CHARGE
EFFECTIVE OCTOBER 1, 2020**

FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, D.C. 20426

FY 2020 GAS ANNUAL CHARGES
CORRECTION FOR ANNUAL CHARGES UNIT CHARGE
June 15, 2020

The annual charges unit charge (ACA) to be applied to in fiscal year 2021 for recovery of FY 2020 Current year and 2019 True-Up is **\$0.0011** per Dekatherm (Dth). The new ACA surcharge will become effective October 1, 2020.

The following calculations were used to determine the FY 2020 unit charge:

2020 CURRENT:

Estimated Program Cost \$67,023,000 divided by 60,657,793,693 Dth = 0.0011049363

2019 TRUE-UP:

Debit/Credit Cost (\$2,266,032) divided by 56,276,625,816 Dth = (0.0000402660)

TOTAL UNIT CHARGE = 0.0010646704

If you have any questions, please contact Raven A. Rodriguez at (202)502-6276 or e-mail at Raven.Rodriguez@ferc.gov.

PUBLIC

**PBR-OSSIF
SUPPORTING CALCULATIONS**

PBR-OSSIF
CALCULATION OF OFF-SYSTEM SALES REVENUE
(“OSREV”), OUT-OF-POCKET COSTS (“OOPC”), AND
NET REVENUE (“NR”)

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF NET REVENUE
 UNDER PBR OFF-SYSTEM SALES INDEX FACTOR ("OSSIF")

COLUMN	1	2	3	4	5	6	7
	OFF-SYSTEM SALES REVENUE ("OSREV")	OUT OF POCKET COSTS ("OOPC")				TOTAL OOPC	NET REVENUE ("NR") (1 - 6)
		GAS COSTS ("GC")	TRANSPORT COSTS ("TC")	STORAGE COSTS ("SC")	OTHER COSTS		
NOV. 19	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DEC. 19	\$0	\$0	\$0	\$0	\$0	\$0	\$0
JAN. 20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FEB. 20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MAR. 20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
APR. 20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MAY 20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
JUN. 20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
JUL. 20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AUG. 20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SEP. 20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OCT. 20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTALS	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**CSPBR
CALCULATION OF COMPANY SHARE OF
PERFORMANCE-BASED RATEMAKING
SAVINGS OR EXPENSES**

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF COMPANY SHARE OF PBR SAVINGS OR EXPENSES
 (CSPBR)

	Total PBR Results (TPBRR)	Company Sharing Company	Customer Sharing Percentage	Customer Portion	Company Portion	Total
25/75 Company/Customer Sharing Up to 3.0% of TAGSC	\$2,455,422	25%	75%	\$1,841,567	\$613,855	\$2,455,422
50/50 Company/Customer Sharing in Excess of 3.0% of TAGSC	\$3,576,979	50%	50%	\$1,788,489	\$1,788,490	\$3,576,979
	<u>\$6,032,401</u>			<u>\$3,630,056</u>	<u>\$2,402,345</u>	<u>\$6,032,401</u>
Portion of Company Savings Attributable to Demand Costs		36.49%			\$876,616	
Portion of Company Savings Attributable to Commodity Costs		<u>63.51%</u>			<u>\$1,525,729</u>	
Total Company Portion of Savings		<u>100.00%</u>		CSPBR	<u>\$2,402,345</u>	

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF COMPANY SHARE OF PBR SAVINGS OR EXPENSES
 (CSPBR)

(1)	(2)	(3)	(4)		(5)	(6)	(7)
<u>Total Gas Supply Cost Performance-Based Ratemaking Savings</u>					<u>Benchmarked Gas Costs</u>		<u>PTAGSC</u>
			<u>Demand/Commodity Allocation</u>				<u>(Col. 3 / 6)</u>
			<u>Demand</u>	<u>Commodity</u>			
Gas Acquisition Index Factor					Actual Gas Costs		
GAIF							
	Demand	\$0	0.00%				
	Commodity	<u>\$3,831,193</u>	63.51%				
	Total	\$3,831,193			AGC	\$57,806,087	
Transportation Index Factor					Actual Transportation Costs		
TIF							
	Demand	\$2,201,208	36.49%				
	Commodity	<u>\$0</u>	0.00%				
	Total	\$2,201,208			TAAGTC	\$24,041,301	
Off-System Sales Index Factor							
OSSIF							
	Demand	\$0					
	Commodity	<u>\$0</u>	0.00%				
	Total	\$0					
Total All PBR Factors					Total Actual Gas Supply Costs		
	Demand	\$2,201,208					
	Commodity	<u>\$3,831,193</u>					
TPBRR		<u>\$6,032,401</u>	<u>36.49%</u>	<u>63.51%</u>	TAGSC	<u>\$81,847,388</u>	7.37%