

**Activity Under LG&E’s Performance-Based Ratemaking (“PBR”) Mechanism
for the PBR Period for the 12 Months Ended October 31, 2021**

Attached is a summary of LG&E’s activity and the supporting documentation for the PBR mechanism covering the entirety of PBR Year 24 (November 1, 2020, through October 31, 2021) of LG&E’s gas supply cost PBR mechanism. LG&E is making this annual filing in accordance with the Order in Case No. 2021-00028 dated November 29, 2021. This information has also been used as the basis for the calculation and filing of the applicable PBR Recovery Component (“PBRRC”) effective February 1, 2022.

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, 2021, LG&E has achieved the following results:

	<u>PBR-GAIF</u>	<u>PBR-TIF</u>	<u>PBR-OSSIF</u>	<u>Total</u>
<i>Nov. 2020</i>	\$482,325	\$205,351	\$0	\$687,676
<i>Dec.</i>	\$388,232	\$172,682	\$0	\$560,914
<i>Jan. 2021</i>	\$451,762	\$172,682	\$107,540	\$731,984
<i>Qtr. Subtotal</i>	\$1,322,319	\$550,715	\$107,540	\$1,980,574
<i>Feb.</i>	\$5,757,383	\$172,682	\$0	\$5,930,065
<i>Mar.</i>	\$140,306	\$172,682	\$0	\$312,988
<i>Apr.</i>	\$138,478	\$172,682	\$0	\$311,160
<i>Qtr. Subtotal</i>	\$6,036,167	\$518,046	\$0	\$6,554,213

	<u>PBR-GAIF</u>	<u>PBR-TIF</u>	<u>PBR-OSSIF</u>	<u>Total</u>
May	\$58,905	\$172,682	\$0	\$231,587
Jun.	\$514,066	\$172,682	\$0	\$686,748
Jul.	\$423,926	\$172,682	\$0	\$596,608
<i>Qtr. Subtotal</i>	\$996,897	\$518,046	\$0	\$1,514,943
Aug.	\$359,659	\$172,682	\$0	\$532,341
Sep.	\$1,309,469	\$172,682	\$0	\$1,482,151
Oct.	\$307,443	\$172,682	\$0	\$480,125
<i>Qtr. Subtotal</i>	\$1,976,571	\$518,046	\$0	\$2,494,617
<i>Total</i>	\$10,331,954	\$2,104,853	\$107,540	\$12,544,347

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 May 2021, and October 2021, 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 annual 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 \$10,331,954.*

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 \$2,104,853. The portion of savings attributable to Texas Gas under PBR-TIF is \$32,669. The portion of savings attributable to Tennessee under PBR-TIF is \$2,072,184. 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 \$2,104,853.*

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 off-system sales in January 2021.*

PBR Amounts and Demand/Commodity Allocation: Following is a summary of the various PBR components in total for the 12 months ended October 31, 2021. Under the revised sharing mechanism approved by the Commission in its Order dated October 26, 2020, in Case No. 2020-00437, LG&E’s share in any savings or expenses is 30% for all savings or expenses up to 4.6% 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 4.6% of TAGSC, LG&E's share is 50%.

Total savings for PBR Year 24 were \$12,544,347, and TAGSC was \$138,459,368, which is the sum of \$114,299,415 in AGC and \$24,159,953 in TAAGTC. Therefore, savings as a percentage of TAGSC were 9.06% ($\$12,544,347 / \$138,459,368$). Hence, all of the savings up to \$6,369,131 ($4.6\% \times \$138,459,368$) are shared with 30% allocated to LG&E and the remaining 70% 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 \$6,175,216 ($\$12,544,347 - \$6,369,131$), is the subject of the 50% sharing tier.

Therefore, the initial tier of the sliding scale is allocated on a 30/70 basis with \$1,910,739 ($30\% \times \$6,369,131$) being allocated to the Company and \$4,458,392 ($70\% \times \$6,369,131$) being allocated to customers. The second tier is subject to sharing on a 50/50 basis with \$3,087,608 ($50\% \times \$6,175,216$) being allocated to the Company and \$3,087,608 ($50\% \times \$6,175,216$) being allocated to customers. Therefore, the total portion of the savings being retained by customers is \$7,546,000 ($\$4,458,392 + \$3,087,608$); and the total portion of the savings being allocated to the Company and collected from customers is \$4,998,347 ($\$1,910,739 + \$3,087,608$). Therefore, the CSPBR to be collected for the Company from customers by means of the PBRRC (as a part of the GSCC) is \$4,998,347.

The total to be collected for the Company from customers through the GSCC is \$4,998,347. 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, \$838,723 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 \$4,159,624 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, 2021**

**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)	ALLOCATION OF APV ACCORDING TO SZFQEQ%				
									TGT ZONE SL 48.07%	TGT ZONE 1 20.39%	TGT ZONE 4 23.66%	TGPL ZONE 0 7.88%	TGPL ZONE 1 0.00%
									22.81%	9.82%	50.53%	16.84%	0.00%
									(C. 8 X SZFQEQ%)	(C. 8 X SZFQEQ%)	(C. 8 X SZFQEQ%)	(C. 8 X SZFQEQ%)	(C. 8 X SZFQEQ%)
Nov 20	1,347,823	1,300,000	0	60,000	0	2,707,823	0	2,707,823	1,301,651	552,125	640,871	213,378	0
Dec 20	1,740,458	1,628,245	0	0	0	3,368,703	0	3,368,703	1,619,335	686,879	797,035	265,454	0
Jan 21	2,293,374	620,000	0	0	0	2,913,374	0	2,913,374	1,400,459	594,037	689,304	229,574	0
Feb 21	2,439,938	730,000	0	460,000	34,200	3,664,138	0	3,664,138	1,761,351	747,118	866,935	288,734	0
Mar 21	513,653	780,000	0	160,000	0	1,453,653	0	1,453,653	698,771	296,400	343,934	114,548	0
Apr 21	711,221	735,000	0	0	0	1,446,221	0	1,446,221	329,883	142,019	730,775	243,544	0
May 21	876,944	707,804	0	0	0	1,584,748	0	1,584,748	361,481	155,622	800,773	266,872	0
Jun 21	756,649	1,772,944	0	0	0	2,529,593	0	2,529,593	577,000	248,406	1,278,203	425,984	0
Jul 21	1,486,955	1,834,116	0	310,000	0	3,631,071	0	3,631,071	828,247	356,571	1,834,780	611,473	0
Aug 21	1,596,970	1,844,452	0	320,000	0	3,761,422	0	3,761,422	857,980	369,372	1,900,647	633,423	0
Sep 21	1,739,186	1,773,064	0	300,000	0	3,812,250	0	3,812,250	869,574	374,363	1,926,330	641,983	0
Oct 21	1,331,048	1,858,784	0	329,899	0	3,519,831	0	3,519,831	802,873	345,647	1,778,571	592,740	0
Total	16,834,219	15,584,409	0	1,938,999	34,200	34,382,827	0	34,382,827	11,408,605	4,888,559	13,587,958	4,527,705	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 (10X16)	SAI TGT-Z4	APV x SAI TGT-Z4 (11X18)	SAI TGPL-Z0	APV x SAI TGPL-Z0 (12X20)	SAI TGPL-Z1	APV x SAI TGPL-Z1 (13X22)	DAI	TOTAL BMGCC (15+17+19+21+23+24)
Nov 20	\$2,5056	\$3,261,417	\$2,4887	\$1,372,969	\$2,4732	\$1,584,508	\$2,6021	\$555,226	\$2,6252	\$0	\$0	\$6,774,120
Dec 20	\$2,5761	\$4,169,950	\$2,4999	\$1,717,129	\$2,4921	\$1,986,291	\$2,6017	\$690,632	\$2,6083	\$0	\$0	\$8,564,002
Jan 21	\$2,4881	\$3,484,482	\$2,4255	\$1,440,837	\$2,4038	\$1,656,949	\$2,4582	\$563,880	\$2,4907	\$0	\$0	\$7,146,148
Feb 21	\$5,0783	\$8,944,669	\$4,5495	\$3,309,013	\$8,3075	\$5,468,193	\$7,2727	\$2,099,876	\$4,1935	\$0	\$0	\$19,911,751
Mar 21	\$2,5470	\$1,779,770	\$2,5215	\$747,373	\$2,5073	\$862,346	\$2,5571	\$292,911	\$2,6143	\$0	\$0	\$3,682,400
Apr 21	\$2,4353	\$803,364	\$2,4060	\$341,698	\$2,3699	\$1,731,864	\$2,4788	\$603,697	\$2,5213	\$0	\$0	\$3,480,823
May 21	\$2,7707	\$1,001,555	\$2,7180	\$422,981	\$2,6919	\$2,155,601	\$2,8050	\$748,576	\$2,8278	\$0	\$0	\$4,328,713
Jun 21	\$3,1983	\$1,845,419	\$2,9482	\$732,351	\$2,9294	\$3,744,388	\$3,0140	\$1,283,916	\$3,0516	\$0	\$0	\$7,606,054
Jul 21	\$3,6667	\$3,036,933	\$3,4924	\$1,245,289	\$3,4346	\$6,301,735	\$3,5533	\$2,172,747	\$3,6201	\$0	\$0	\$12,756,704
Aug 21	\$3,8820	\$3,330,678	\$3,8196	\$1,410,853	\$3,7558	\$7,136,450	\$3,8818	\$2,458,821	\$3,9559	\$0	\$0	\$14,338,802
Sep 21	\$4,0936	\$4,081,433	\$4,5181	\$1,691,409	\$4,4978	\$8,664,247	\$4,6104	\$2,959,798	\$4,7188	\$0	\$0	\$17,396,887
Oct 21	\$5,3860	\$4,324,274	\$5,2919	\$1,829,129	\$5,2442	\$9,327,182	\$5,3389	\$3,164,580	\$5,5294	\$0	\$0	\$18,645,165
Total		\$40,083,944		\$16,351,031		\$50,621,734		\$17,594,660		\$0	\$0	\$124,631,369

**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 20	1,347,823	\$3,151,395	1,300,000	\$2,970,000	0	\$0	60,000	\$170,400	0	\$0
Dec 20	1,740,458	\$4,249,770	1,628,245	\$3,926,000	0	\$0	0	\$0	0	\$0
Jan 21	2,293,374	\$5,285,586	620,000	\$1,408,800	0	\$0	0	\$0	0	\$0
Feb 21	2,439,938	\$6,410,668	730,000	\$5,915,700	0	\$0	460,000	\$1,218,500	34,200	\$609,500
Mar 21	513,653	\$1,298,244	780,000	\$1,844,650	0	\$0	160,000	\$399,200	0	\$0
Apr 21	711,221	\$1,657,270	735,000	\$1,684,875	0	\$0	0	\$0	0	\$0
May 21	876,944	\$2,369,809	707,804	\$1,899,999	0	\$0	0	\$0	0	\$0
Jun 21	756,649	\$2,106,262	1,772,944	\$4,985,726	0	\$0	0	\$0	0	\$0
Jul 21	1,486,955	\$5,068,572	1,834,116	\$6,197,056	0	\$0	310,000	\$1,067,150	0	\$0
Aug 21	1,596,970	\$5,950,321	1,844,452	\$6,814,472	0	\$0	320,000	\$1,214,350	0	\$0
Sep 21	1,739,186	\$7,372,015	1,773,064	\$7,464,403	0	\$0	300,000	\$1,251,000	0	\$0
Oct 21	1,331,048	\$6,976,223	1,858,784	\$9,651,369	0	\$0	329,999	\$1,710,130	0	\$0
	16,834,219	\$51,896,135	15,584,409	\$54,763,050	0	\$0	1,939,999	\$7,030,730	34,200	\$609,500

Column	11	12
	TOTAL TRANSPORT GAS (1+3+5+7+9)	TOTAL GAS COMMODITY COSTS (2+4+6+8+10)
Nov 20	2,707,823	\$6,291,795
Dec 20	3,368,703	\$8,175,770
Jan 21	2,913,374	\$6,694,386
Feb 21	3,664,138	\$14,154,368
Mar 21	1,453,653	\$3,542,094
Apr 21	1,446,221	\$3,342,145
May 21	1,584,748	\$4,269,808
Jun 21	2,529,593	\$7,091,988
Jul 21	3,631,071	\$12,332,778
Aug 21	3,761,422	\$13,979,143
Sep 21	3,812,250	\$16,087,418
Oct 21	3,519,831	\$18,337,722
Total	34,392,827	\$114,299,415

**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 20	\$6,774,120	\$6,291,795	\$482,325
Dec 20	\$8,564,002	\$8,175,770	\$388,232
Jan 21	\$7,146,148	\$6,694,386	\$451,762
Feb 21	\$19,911,751	\$14,154,368	\$5,757,383
Mar 21	\$3,682,400	\$3,542,094	\$140,306
Apr 21	\$3,480,623	\$3,342,145	\$138,478
May 21	\$4,328,713	\$4,269,808	\$58,905
Jun 21	\$7,606,054	\$7,091,988	\$514,066
Jul 21	\$12,756,704	\$12,332,778	\$423,926
Aug 21	\$14,338,802	\$13,979,143	\$359,659
Sep 21	\$17,396,887	\$16,087,418	\$1,309,469
Oct 21	\$18,645,165	\$18,337,722	\$307,443
Total	\$124,631,369	\$114,299,415	\$10,331,954

**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. 20	\$2.5500	\$2.1867	\$2.7800	\$2.5056
Dec. 20	\$2.5500	\$2.5152	\$2.6600	\$2.5751
Jan. 21	\$2.5225	\$2.5919	\$2.3500	\$2.4881
Feb. 21	\$5.2475	\$7.3075	\$2.6800	\$5.0783
Mar. 21	\$2.5380	\$2.3429	\$2.7600	\$2.5470
Apr. 21	\$2.5000	\$2.3960	\$2.4100	\$2.4353
May 21	\$2.8240	\$2.7081 *	\$2.7800	\$2.7707
Jun. 21	\$3.1150	\$3.6500	\$2.8300	\$3.1983
Jul. 21	\$3.6575	\$3.9025	\$3.4400	\$3.6667
Aug. 21	\$3.9660	\$3.9100	\$3.7700	\$3.8820
Sep. 21	\$4.8800	\$5.0509	\$4.1500	\$4.6936
Oct. 21	\$5.3975	\$5.2006 *	\$5.5600	\$5.3860

* *Platts Gas Daily*, Midpoint price for "Louisiana/Southeast, Texas Gas Zone SL" failed to post on any day during the months of May and October 2021. 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			NATURAL GAS WEEK LOUISIANA, GULF COAST, ONSHORE		
		MONTHLY AVERAGE			MONTHLY AVERAGE
11/02/2020	\$2.9700		05/03/2021	\$2.8000	
11/09/2020	\$2.5900		05/10/2021	\$2.8500	
11/16/2020	\$2.6900		05/17/2021	\$2.8200	
11/23/2020	\$2.2900		05/24/2021	\$2.8400	
11/30/2020	\$2.2100	\$2.5500	05/31/2021	\$2.8100	\$2.8240
12/07/2020	\$2.6000		06/07/2021	\$2.9300	
12/14/2020	\$2.4000		06/14/2021	\$3.1200	
12/21/2020	\$2.6200		06/21/2021	\$3.1700	
12/28/2020	\$2.5800	\$2.5500	06/28/2021	\$3.2400	\$3.1150
01/04/2021	\$2.3000		07/05/2021	\$3.6200	
01/11/2021	\$2.6300		07/12/2021	\$3.5800	
01/18/2021	\$2.7200		07/19/2021	\$3.6200	
01/25/2021	\$2.4400	\$2.5225	07/26/2021	\$3.8100	\$3.6575
02/01/2021	\$2.6200		08/02/2021	\$3.9300	
02/08/2021	\$3.1400		08/09/2021	\$4.0000	
02/15/2021	\$4.9400		08/16/2021	\$3.9600	
02/22/2021	\$10.2900	\$5.2475	08/23/2021	\$3.8200	
03/01/2021	\$2.6500		08/30/2021	\$4.1200	\$3.9660
03/08/2021	\$2.7000		09/06/2021	\$4.4700	
03/15/2021	\$2.5100		09/13/2021	\$4.8900	
03/22/2021	\$2.4200		09/20/2021	\$5.2900	
03/29/2021	\$2.4100	\$2.5380	09/27/2021	\$4.8700	\$4.8800
04/05/2021	\$2.4500		10/04/2021	\$5.5600	
04/12/2021	\$2.3500		10/11/2021	\$5.6800	
04/19/2021	\$2.5300		10/18/2021	\$5.4300	
04/26/2021	\$2.6700	\$2.5000	10/25/2021	\$4.9200	\$5.3975

PBR YEAR 24 PLATTS GAS DAILY MIDPOINT PRICE
LOUISIANA/SOUTHEAST, TX. GAS, ZONE SL

NOVEMBER 2020		DECEMBER 2020		JANUARY 2021		FEBRUARY 2021		MARCH 2021		APRIL 2021	
DAY	MIDPOINT	MIDPOINT		MIDPOINT		DAY	MIDPOINT	MIDPOINT		MIDPOINT	
1	\$ -	\$ -		\$ -		1	\$ -	\$ -		\$ -	
2	\$ -	\$ 2.6200		\$ -		2	\$ -	\$ -		\$ 2.4200	
3	\$ -	\$ 2.7050		\$ -		3	\$ 3.0600	\$ -		\$ 2.4200	
4	\$ -	\$ 2.3850		\$ -		4	\$ -	\$ -		\$ 2.4200	
5	\$ -	\$ 2.4150		\$ -		5	\$ 2.9050	\$ -		\$ 2.4200	
6	\$ -	\$ 2.4150		\$ 2.6800		6	\$ -	\$ -		\$ 2.3000	
7	\$ -	\$ 2.4150		\$ 2.6400		7	\$ -	\$ -		\$ -	
8	\$ -	\$ 2.3100		\$ -		8	\$ -	\$ -		\$ -	
9	\$ -	\$ 2.2750		\$ 2.6550		9	\$ 3.2150	\$ -		\$ -	
10	\$ -	\$ 2.3200		\$ 2.6550		10	\$ 3.1350	\$ -		\$ -	
11	\$ -	\$ 2.3500		\$ 2.6550		11	\$ 3.6700	\$ -		\$ -	
12	\$ -	\$ 2.4900		\$ 2.6250		12	\$ 5.5500	\$ -		\$ -	
13	\$ -	\$ 2.4900		\$ -		13	\$ 6.0500	\$ -		\$ -	
14	\$ -	\$ 2.4900		\$ 2.7000		14	\$ 6.0500	\$ -		\$ -	
15	\$ -	\$ 2.6400		\$ 2.6850		15	\$ 6.0500	\$ -		\$ -	
16	\$ -	\$ 2.6000		\$ 2.7050		16	\$ 6.0500	\$ -		\$ -	
17	\$ -	\$ 2.6300		\$ 2.7050		17	\$ 16.9550	\$ -		\$ -	
18	\$ -	\$ 2.5950		\$ 2.7050		18	\$ 25.0000	\$ -		\$ -	
19	\$ 2.3000	\$ 2.6450		\$ 2.7050		19	\$ -	\$ -		\$ -	
20	\$ 2.1400	\$ 2.6450		\$ 2.5400		20	\$ -	\$ 2.3200		\$ -	
21	\$ 2.1400	\$ 2.6450		\$ 2.4100		21	\$ -	\$ 2.3200		\$ -	
22	\$ 2.1400	\$ 2.5850		\$ 2.4200		22	\$ -	\$ 2.3200		\$ -	
23	\$ 2.1400	\$ 2.6700		\$ 2.3900		23	\$ -	\$ 2.3250		\$ -	
24	\$ 2.2100	\$ -		\$ 2.3900		24	\$ -	\$ 2.3550		\$ -	
25	\$ 2.2200	\$ -		\$ 2.3900		25	\$ -	\$ 2.3450		\$ -	
26	\$ 2.1900	\$ -		\$ -		26	\$ -	\$ 2.3450		\$ -	
27	\$ 2.1900	\$ -		\$ -		27	\$ -	\$ 2.3350		\$ -	
28	\$ 2.1900	\$ -		\$ -		28	\$ -	\$ 2.3350		\$ -	
29	\$ 2.1900	\$ -		\$ -		29	\$ -	\$ 2.3350		\$ -	
30	\$ 2.1900	\$ -		\$ -		30	\$ -	\$ 2.3350		\$ -	
31		\$ -		\$ -		31		\$ 2.4450		\$ -	
TOTAL	\$ 26.2400	\$ 55.3350		\$ 46.6550		TOTAL	\$ 87.6900	\$ 28.1150		\$ 11.9800	
POSTINGS	12	22		18		POSTINGS	12	12		5	
AVERAGE	\$ 2.1867	\$ 2.5152		\$ 2.5919		AVERAGE	\$ 7.3075	\$ 2.3429		\$ 2.3960	

MAY 2021		JUNE 2021		JULY 2021		AUGUST 2021		SEPTEMBER 2021		OCTOBER 2021	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ -	\$ -	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -		
2	\$ -	\$ -	\$ -	\$ -	2	\$ -	\$ -	\$ -	\$ -		
3	\$ -	\$ -	\$ -	\$ -	3	\$ -	\$ -	\$ -	\$ -		
4	\$ -	\$ -	\$ -	\$ -	4	\$ -	\$ -	\$ -	\$ -		
5	\$ -	\$ -	\$ -	\$ -	5	\$ -	\$ -	\$ -	\$ -		
6	\$ -	\$ -	\$ -	\$ -	6	\$ -	\$ -	\$ -	\$ -		
7	\$ -	\$ -	\$ -	\$ -	7	\$ -	\$ -	\$ -	\$ -		
8	\$ -	\$ -	\$ -	\$ -	8	\$ -	\$ -	\$ -	\$ -		
9	\$ -	\$ -	\$ -	\$ -	9	\$ -	\$ -	\$ -	\$ -		
10	\$ -	\$ -	\$ -	\$ -	10	\$ 3.9400	\$ -	\$ -	\$ -		
11	\$ -	\$ -	\$ -	\$ -	11	\$ 4.1150	\$ -	\$ -	\$ -		
12	\$ -	\$ -	\$ -	\$ -	12	\$ 3.9700	\$ -	\$ -	\$ -		
13	\$ -	\$ -	\$ -	\$ -	13	\$ 3.9850	\$ -	\$ -	\$ -		
14	\$ -	\$ -	\$ -	\$ -	14	\$ 3.8650	\$ -	\$ -	\$ -		
15	\$ -	\$ -	\$ -	\$ -	15	\$ 3.8650	\$ 5.2900	\$ -	\$ -		
16	\$ -	\$ -	\$ -	\$ -	16	\$ 3.8650	\$ 5.4800	\$ -	\$ -		
17	\$ -	\$ -	\$ -	\$ -	17	\$ 3.9000	\$ 5.3350	\$ -	\$ -		
18	\$ -	\$ -	\$ -	\$ -	18	\$ 3.8500	\$ -	\$ -	\$ -		
19	\$ -	\$ -	\$ -	\$ -	19	\$ 3.8200	\$ -	\$ -	\$ -		
20	\$ -	\$ -	\$ -	\$ -	20	\$ 3.7750	\$ -	\$ -	\$ -		
21	\$ -	\$ -	\$ -	\$ -	21	\$ 3.9050	\$ 5.0300	\$ -	\$ -		
22	\$ -	\$ -	\$ -	\$ -	22	\$ 3.9050	\$ 4.7850	\$ -	\$ -		
23	\$ -	\$ -	\$ -	\$ -	23	\$ 3.9050	\$ 4.7200	\$ -	\$ -		
24	\$ -	\$ -	\$ -	\$ -	24	\$ -	\$ 4.8200	\$ -	\$ -		
25	\$ -	\$ -	\$ -	\$ -	25	\$ -	\$ 4.9050	\$ -	\$ -		
26	\$ -	\$ -	\$ -	\$ -	26	\$ 3.8800	\$ 4.9050	\$ -	\$ -		
27	\$ -	\$ -	\$ 3.9200	\$ -	27	\$ 4.0150	\$ 4.9050	\$ -	\$ -		
28	\$ -	\$ -	\$ -	\$ -	28	\$ -	\$ 5.3850	\$ -	\$ -		
29	\$ -	\$ -	\$ 3.8850	\$ -	29	\$ -	\$ -	\$ -	\$ -		
30	\$ -	\$ 3.6500	\$ -	\$ -	30	\$ -	\$ -	\$ -	\$ -		
31	\$ -	\$ -	\$ -	\$ -	31	\$ -	\$ -	\$ -	\$ -		
TOTAL	\$ -	\$ 3.6500	\$ 7.8050	\$ -	TOTAL	\$ 62.5600	\$ 55.5600	\$ -	\$ -		
POSTINGS	0	1	2	0	POSTINGS	16	11	0	31		
AVERAGE	#DIV/0!	\$ 3.6500	\$ 3.9025	\$ -	AVERAGE	\$ 3.9100	\$ 5.0509	\$ -	\$ -		

**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. 20	\$2.3940	\$2.3260	\$2.7400	\$2.4867
Dec. 20	\$2.4475	\$2.4323	\$2.6200	\$2.4999
Jan. 21	\$2.4575	\$2.5090	\$2.3100	\$2.4255
Feb. 21	\$5.1975	\$5.8109	\$2.6400	\$4.5495
Mar. 21	\$2.4360	\$2.4085	\$2.7200	\$2.5215
Apr. 21	\$2.4025	\$2.4455	\$2.3700	\$2.4060
May 21	\$2.7060	\$2.7081	\$2.7400	\$2.7180
Jun. 21	\$3.0175	\$3.0372	\$2.7900	\$2.9482
Jul. 21	\$3.5100	\$3.5673	\$3.4000	\$3.4924
Aug. 21	\$3.8600	\$3.8689	\$3.7300	\$3.8196
Sep. 21	\$4.6925	\$4.7517	\$4.1100	\$4.5181
Oct. 21	\$5.1550	\$5.2006	\$5.5200	\$5.2919

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
11/02/2020	\$2.9000		05/03/2021	\$2.6700	
11/09/2020	\$2.2200		05/10/2021	\$2.7000	
11/16/2020	\$2.5900		05/17/2021	\$2.7100	
11/23/2020	\$2.1100		05/24/2021	\$2.7300	
11/30/2020	\$2.1500	\$2.3940	05/31/2021	\$2.7200	\$2.7060
12/07/2020	\$2.4500		06/07/2021	\$2.8100	
12/14/2020	\$2.3000		06/14/2021	\$3.0500	
12/21/2020	\$2.5500		06/21/2021	\$3.0500	
12/28/2020	\$2.4900	\$2.4475	06/28/2021	\$3.1600	\$3.0175
01/04/2021	\$2.2400		07/05/2021	\$3.5000	
01/11/2021	\$2.5700		07/12/2021	\$3.4100	
01/18/2021	\$2.6600		07/19/2021	\$3.4400	
01/25/2021	\$2.3600	\$2.4575	07/26/2021	\$3.6900	\$3.5100
02/01/2021	\$2.5500		08/02/2021	\$3.8600	
02/08/2021	\$3.0100		08/09/2021	\$3.9300	
02/15/2021	\$5.1100		08/16/2021	\$3.8200	
02/22/2021	\$10.1200	\$5.1975	08/23/2021	\$3.7100	
03/01/2021	\$2.5500		08/30/2021	\$3.9800	\$3.8600
03/08/2021	\$2.6200		09/06/2021	\$4.3200	
03/15/2021	\$2.4200		09/13/2021	\$4.7300	
03/22/2021	\$2.3200		09/20/2021	\$5.1300	
03/29/2021	\$2.2700	\$2.4360	09/27/2021	\$4.5900	\$4.6925
04/05/2021	\$2.3500		10/04/2021	\$5.2600	
04/12/2021	\$2.2400		10/11/2021	\$5.4300	
04/19/2021	\$2.4400		10/18/2021	\$5.1700	
04/26/2021	\$2.5800	\$2.4025	10/25/2021	\$4.7600	\$5.1550

PBR YEAR 24 PLATTS GAS DAILY MIDPOINT PRICE
 LOUISIANA/SOUTHEAST, TX. GAS, ZONE 1

NOVEMBER 2020		DECEMBER 2020		JANUARY 2021		FEBRUARY 2021		MARCH 2021		APRIL 2021	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	
1	\$ 2.9000	\$ 2.7300	\$ 2.2500	1	\$ 2.6150	\$ 2.5650	\$ 2.4150				
2	\$ 2.9000	\$ 2.5750	\$ 2.2500	2	\$ 2.7650	\$ 2.6150	\$ 2.3050				
3	\$ 2.7750	\$ 2.6250	\$ 2.2500	3	\$ 3.0150	\$ 2.7250	\$ 2.3050				
4	\$ 2.6100	\$ 2.3050	\$ 2.2500	4	\$ 2.8100	\$ 2.6950	\$ 2.3050				
5	\$ 2.3650	\$ 2.3500	\$ 2.4700	5	\$ 2.8600	\$ 2.6150	\$ 2.3050				
6	\$ 2.1850	\$ 2.3500	\$ 2.5600	6	\$ 3.3150	\$ 2.5400	\$ 2.1850				
7	\$ 2.0100	\$ 2.3500	\$ 2.5800	7	\$ 3.3150	\$ 2.5400	\$ 2.1900				
8	\$ 2.0100	\$ 2.2450	\$ 2.6350	8	\$ 3.3150	\$ 2.5400	\$ 2.2500				
9	\$ 2.0100	\$ 2.2100	\$ 2.6050	9	\$ 3.1700	\$ 2.4050	\$ 2.2500				
10	\$ 2.3600	\$ 2.2550	\$ 2.6050	10	\$ 3.1300	\$ 2.3750	\$ 2.2700				
11	\$ 2.5250	\$ 2.2500	\$ 2.6050	11	\$ 3.6700	\$ 2.4850	\$ 2.2700				
12	\$ 2.5700	\$ 2.4100	\$ 2.5700	12	\$ 5.5500	\$ 2.4350	\$ 2.2700				
13	\$ 2.6500	\$ 2.4100	\$ 2.7400	13	\$ 6.7000	\$ 2.4350	\$ 2.3800				
14	\$ 2.6300	\$ 2.4100	\$ 2.6500	14	\$ 6.7000	\$ 2.4350	\$ 2.4450				
15	\$ 2.6300	\$ 2.5750	\$ 2.6450	15	\$ 6.7000	\$ 2.4350	\$ 2.4450				
16	\$ 2.6300	\$ 2.5350	\$ 2.6650	16	\$ 6.7000	\$ 2.3700	\$ 2.4600				
17	\$ 2.4250	\$ 2.5450	\$ 2.6650	17	\$ 39.6550	\$ 2.3450	\$ 2.5200				
18	\$ 2.2550	\$ 2.5350	\$ 2.6650	18	\$ 21.2400	\$ 2.3550	\$ 2.5200				
19	\$ 2.0450	\$ 2.5600	\$ 2.6650	19	\$ 6.8500	\$ 2.3800	\$ 2.5200				
20	\$ 1.9950	\$ 2.5600	\$ 2.4600	20	\$ 4.4300	\$ 2.2800	\$ 2.5750				
21	\$ 2.0900	\$ 2.5600	\$ 2.3500	21	\$ 4.4300	\$ 2.2800	\$ 2.6000				
22	\$ 2.0900	\$ 2.5000	\$ 2.3800	22	\$ 4.4300	\$ 2.2800	\$ 2.5700				
23	\$ 2.0900	\$ 2.5850	\$ 2.3500	23	\$ 2.6900	\$ 2.2550	\$ 2.5700				
24	\$ 2.1600	\$ 2.5750	\$ 2.3500	24	\$ 2.6650	\$ 2.2800	\$ 2.5700				
25	\$ 2.1700	\$ 2.4550	\$ 2.3500	25	\$ 2.5750	\$ 2.2700	\$ 2.5700				
26	\$ 2.1400	\$ 2.4550	\$ 2.4300	26	\$ 2.4700	\$ 2.2700	\$ 2.5700				
27	\$ 2.1400	\$ 2.4550	\$ 2.5600	27	\$ 2.4700	\$ 2.2600	\$ 2.5750				
28	\$ 2.1400	\$ 2.4550	\$ 2.6200	28	\$ 2.4700	\$ 2.2600	\$ 2.7400				
29	\$ 2.1400	\$ 2.1200	\$ 2.5350	29		\$ 2.2600	\$ 2.7500				
30	\$ 2.1400	\$ 2.2150	\$ 2.5350	30		\$ 2.2800	\$ 2.6650				
31		\$ 2.2400	\$ 2.5350	31		\$ 2.4000					
TOTAL	\$ 69.7800	\$ 75.4000	\$ 77.7800	TOTAL	\$ 162.7050	\$ 74.6650	\$ 73.3650				
POSTINGS	30	31	31	POSTINGS	28	31	30				
AVERAGE	\$ 2.3260	\$ 2.4323	\$ 2.5090	AVERAGE	\$ 5.8109	\$ 2.4085	\$ 2.4455				

MAY 2021		JUNE 2021		JULY 2021		AUGUST 2021		SEPTEMBER 2021		OCTOBER 2021	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 2.6400	\$ 2.7200	\$ 3.5000	\$ 3.7150	1	\$ 4.1000	\$ 5.3100				
2	\$ 2.6400	\$ 2.8350	\$ 3.4700	\$ 3.7150	2	\$ 4.3200	\$ 5.2850				
3	\$ 2.6400	\$ 2.8800	\$ 3.4600	\$ 3.8250	3	\$ 4.4400	\$ 5.2850				
4	\$ 2.7400	\$ 2.8150	\$ 3.4600	\$ 3.7850	4	\$ 4.4600	\$ 5.2850				
5	\$ 2.7150	\$ 2.7500	\$ 3.4600	\$ 3.9350	5	\$ 4.4600	\$ 5.7050				
6	\$ 2.7150	\$ 2.7500	\$ 3.4600	\$ 4.0250	6	\$ 4.4600	\$ 6.0150				
7	\$ 2.6950	\$ 2.7500	\$ 3.4850	\$ 3.9550	7	\$ 4.4600	\$ 5.6350				
8	\$ 2.6850	\$ 2.9050	\$ 3.3800	\$ 3.9550	8	\$ 4.4350	\$ 5.3850				
9	\$ 2.6850	\$ 2.9150	\$ 3.4100	\$ 3.9250	9	\$ 4.6350	\$ 5.2500				
10	\$ 2.6850	\$ 2.9250	\$ 3.3800	\$ 3.9250	10	\$ 4.6700	\$ 5.2500				
11	\$ 2.7350	\$ 2.9900	\$ 3.3800	\$ 3.9550	11	\$ 4.7750	\$ 5.2500				
12	\$ 2.7350	\$ 3.1250	\$ 3.3800	\$ 3.8950	12	\$ 4.7750	\$ 5.1700				
13	\$ 2.7300	\$ 3.1250	\$ 3.4900	\$ 3.8700	13	\$ 4.7750	\$ 5.1100				
14	\$ 2.7100	\$ 3.1250	\$ 3.4600	\$ 3.7050	14	\$ 5.0700	\$ 5.2300				
15	\$ 2.7000	\$ 3.1700	\$ 3.5000	\$ 3.7050	15	\$ 5.0700	\$ 5.5450				
16	\$ 2.7000	\$ 3.0750	\$ 3.4500	\$ 3.7050	16	\$ 5.3750	\$ 5.0550				
17	\$ 2.7000	\$ 3.0550	\$ 3.3900	\$ 3.7400	17	\$ 5.1500	\$ 5.0550				
18	\$ 2.8500	\$ 3.0200	\$ 3.3900	\$ 3.6900	18	\$ 5.0200	\$ 5.0550				
19	\$ 2.8000	\$ 3.0350	\$ 3.3900	\$ 3.6750	19	\$ 5.0200	\$ 4.7100				
20	\$ 2.7350	\$ 3.0350	\$ 3.5150	\$ 3.6400	20	\$ 5.0200	\$ 4.4950				
21	\$ 2.7150	\$ 3.0350	\$ 3.6200	\$ 3.7700	21	\$ 4.9050	\$ 4.7150				
22	\$ 2.7000	\$ 2.8950	\$ 3.7100	\$ 3.7700	22	\$ 4.5600	\$ 4.8450				
23	\$ 2.7000	\$ 3.0450	\$ 3.6900	\$ 3.7700	23	\$ 4.5500	\$ 4.8500				
24	\$ 2.7000	\$ 3.0350	\$ 3.7950	\$ 3.8350	24	\$ 4.5600	\$ 4.8500				
25	\$ 2.7600	\$ 3.1250	\$ 3.7950	\$ 3.8450	25	\$ 4.5550	\$ 4.8500				
26	\$ 2.7050	\$ 3.2750	\$ 3.7950	\$ 3.9000	26	\$ 4.5550	\$ 5.4200				
27	\$ 2.7550	\$ 3.2750	\$ 3.9350	\$ 3.9700	27	\$ 4.5550	\$ 5.3750				
28	\$ 2.6700	\$ 3.2750	\$ 3.8950	\$ 4.2050	28	\$ 5.1400	\$ 5.5150				
29	\$ 2.6700	\$ 3.5200	\$ 3.8700	\$ 4.2050	29	\$ 5.4750	\$ 5.2400				
30	\$ 2.6700	\$ 3.6350	\$ 3.8350	\$ 4.2050	30	\$ 5.2050	\$ 5.2400				
31	\$ 2.6700		\$ 3.8350	\$ 4.0900	31		\$ 5.2400				
TOTAL	\$ 83.9500	\$ 91.1150	\$ 110.5850	TOTAL	\$ 119.9350	\$ 142.5500	\$ 161.2200				
POSTINGS	31	30	31	POSTINGS	31	30	31				
AVERAGE	\$ 2.7081	\$ 3.0372	\$ 3.5673	AVERAGE	\$ 3.8689	\$ 4.7517	\$ 5.2006				

**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. 20	\$2.4500	\$2.3095	\$2.6600	\$2.4732
Dec. 20	\$2.4725	\$2.4139	\$2.5900	\$2.4921
Jan. 21	\$2.4375	\$2.4939	\$2.2800	\$2.4038
Feb. 21	\$4.9400	\$11.3625	\$2.6200	\$6.3075
Mar. 21	\$2.4220	\$2.3798	\$2.7200	\$2.5073
Apr. 21	\$2.3200	\$2.3997	\$2.3900	\$2.3699
May 21	\$2.6800	\$2.6856	\$2.7100	\$2.6919
Jun. 21	\$2.9975	\$3.0107	\$2.7800	\$2.9294
Jul. 21	\$3.4500	\$3.4837	\$3.3700	\$3.4346
Aug. 21	\$3.7625	\$3.8348	\$3.6700	\$3.7558
Sep. 21	\$4.6725	\$4.7108	\$4.1100	\$4.4978
Oct. 21	\$5.1050	\$5.1776	\$5.4500	\$5.2442

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
11/02/2020	\$2.9100		05/03/2021	\$2.6000	
11/09/2020	\$2.4200		05/10/2021	\$2.7100	
11/16/2020	\$2.6200		05/17/2021	\$2.7100	
11/23/2020	\$2.1300		05/24/2021	\$2.7100	
11/30/2020	\$2.1700	\$2.4500	05/31/2021	\$2.6700	\$2.6800
12/07/2020	\$2.5700		06/07/2021	\$2.7600	
12/14/2020	\$2.2900		06/14/2021	\$3.0100	
12/21/2020	\$2.5300		06/21/2021	\$3.1200	
12/28/2020	\$2.5000	\$2.4725	06/28/2021	\$3.1000	\$2.9975
01/04/2021	\$2.2000		07/05/2021	\$3.5400	
01/11/2021	\$2.5900		07/12/2021	\$3.3600	
01/18/2021	\$2.6100		07/19/2021	\$3.3100	
01/25/2021	\$2.3500	\$2.4375	07/26/2021	\$3.5900	\$3.4500
02/01/2021	\$2.5400		08/02/2021	\$3.7700	
02/08/2021	\$2.9600		08/09/2021	\$0.0000	
02/15/2021	\$7.4100		08/16/2021	\$3.7000	
02/22/2021	\$6.8500	\$4.9400	08/23/2021	\$3.6900	
03/01/2021	\$2.6100		08/30/2021	\$3.8900	\$3.7625
03/08/2021	\$2.5800		09/06/2021	\$4.2900	
03/15/2021	\$2.4000		09/13/2021	\$4.7000	
03/22/2021	\$2.3000		09/20/2021	\$5.2300	
03/29/2021	\$2.2200	\$2.4220	09/27/2021	\$4.4700	\$4.6725
04/05/2021	\$2.2800		10/04/2021	\$5.2700	
04/12/2021	\$2.0500		10/11/2021	\$5.2600	
04/19/2021	\$2.4300		10/18/2021	\$5.1300	
04/26/2021	\$2.5200	\$2.3200	10/25/2021	\$4.7600	\$5.1050

PBR YEAR 24 PLATTS GAS DAILY MIDPOINT PRICE
 APPALACHIA, LEBANON HUB

NOVEMBER 2020		DECEMBER 2020		JANUARY 2021		FEBRUARY 2021		MARCH 2021		APRIL 2021	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 2.9050	\$ 2.6750	\$ 2.2200	1	\$ 2.6150	\$ 2.5050	\$ 2.4650				
2	\$ 2.9050	\$ 2.5200	\$ 2.2200	2	\$ 2.7650	\$ 2.5900	\$ 2.2900				
3	\$ 2.7600	\$ 2.6050	\$ 2.2200	3	\$ 3.0000	\$ 2.6900	\$ 2.2900				
4	\$ 2.5850	\$ 2.2500	\$ 2.2200	4	\$ 2.8150	\$ 2.6750	\$ 2.2900				
5	\$ 2.3600	\$ 2.3100	\$ 2.4450	5	\$ 2.8500	\$ 2.6000	\$ 2.2900				
6	\$ 2.1250	\$ 2.3100	\$ 2.5400	6	\$ 3.3500	\$ 2.5300	\$ 2.1350				
7	\$ 1.9050	\$ 2.3100	\$ 2.5600	7	\$ 3.3500	\$ 2.5300	\$ 2.1850				
8	\$ 1.9050	\$ 2.1900	\$ 2.6200	8	\$ 3.3500	\$ 2.5300	\$ 2.2100				
9	\$ 1.9050	\$ 2.1800	\$ 2.6000	9	\$ 3.2600	\$ 2.3700	\$ 2.1400				
10	\$ 2.2950	\$ 2.2400	\$ 2.6000	10	\$ 3.2050	\$ 2.3500	\$ 1.9500				
11	\$ 2.5050	\$ 2.2050	\$ 2.6000	11	\$ 3.7500	\$ 2.4550	\$ 1.9500				
12	\$ 2.5250	\$ 2.4000	\$ 2.5350	12	\$ 6.5400	\$ 2.4100	\$ 1.9500				
13	\$ 2.6550	\$ 2.4000	\$ 2.7050	13	\$ 52.0600	\$ 2.4100	\$ 2.3500				
14	\$ 2.6300	\$ 2.4000	\$ 2.6250	14	\$ 52.0600	\$ 2.4100	\$ 2.4650				
15	\$ 2.6300	\$ 2.5550	\$ 2.6200	15	\$ 52.0600	\$ 2.4100	\$ 2.4550				
16	\$ 2.6300	\$ 2.5300	\$ 2.6300	16	\$ 52.0600	\$ 2.3450	\$ 2.4700				
17	\$ 2.4150	\$ 2.5300	\$ 2.6300	17	\$ 18.9000	\$ 2.2950	\$ 2.5100				
18	\$ 2.2650	\$ 2.5200	\$ 2.6300	18	\$ 16.6550	\$ 2.3350	\$ 2.5100				
19	\$ 2.0300	\$ 2.5350	\$ 2.6300	19	\$ 6.0850	\$ 2.3100	\$ 2.5100				
20	\$ 1.9650	\$ 2.5350	\$ 2.4400	20	\$ 4.0200	\$ 2.2350	\$ 2.5850				
21	\$ 2.0900	\$ 2.5350	\$ 2.3350	21	\$ 4.0200	\$ 2.2350	\$ 2.6300				
22	\$ 2.0900	\$ 2.4850	\$ 2.3850	22	\$ 4.0200	\$ 2.2350	\$ 2.5700				
23	\$ 2.0900	\$ 2.5600	\$ 2.3400	23	\$ 2.6650	\$ 2.2100	\$ 2.5700				
24	\$ 2.1650	\$ 2.5650	\$ 2.3400	24	\$ 2.6700	\$ 2.2900	\$ 2.5300				
25	\$ 2.2000	\$ 2.4600	\$ 2.3400	25	\$ 2.5850	\$ 2.2600	\$ 2.5300				
26	\$ 2.1500	\$ 2.4600	\$ 2.4500	26	\$ 2.4800	\$ 2.2450	\$ 2.5300				
27	\$ 2.1500	\$ 2.4600	\$ 2.5600	27	\$ 2.4800	\$ 2.2250	\$ 2.5100				
28	\$ 2.1500	\$ 2.4600	\$ 2.6200	28	\$ 2.4800	\$ 2.2250	\$ 2.7050				
29	\$ 2.1500	\$ 2.1350	\$ 2.5500	29		\$ 2.2250	\$ 2.7450				
30	\$ 2.1500	\$ 2.2350	\$ 2.5500	30		\$ 2.2450	\$ 2.6700				
31		\$ 2.2750	\$ 2.5500	31		\$ 2.3950					
TOTAL	\$ 69.2850	\$ 74.8300	\$ 77.3100	TOTAL	\$ 318.1500	\$ 73.7750	\$ 71.9900				
POSTINGS	30	31	31	POSTINGS	28	31	30				
AVERAGE	\$ 2.3095	\$ 2.4139	\$ 2.4939	AVERAGE	\$ 11.3625	\$ 2.3798	\$ 2.3997				

MAY 2021		JUNE 2021		JULY 2021		AUGUST 2021		SEPTEMBER 2021		OCTOBER 2021	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT
1	\$ 2.6150	\$ 2.6800	\$ 3.4000	1	\$ 3.6450	\$ 4.1000	\$ 5.2450				
2	\$ 2.6150	\$ 2.8200	\$ 3.3800	2	\$ 3.6450	\$ 4.2700	\$ 5.2250				
3	\$ 2.6150	\$ 2.8850	\$ 3.3550	3	\$ 3.7450	\$ 4.4200	\$ 5.2250				
4	\$ 2.7350	\$ 2.7800	\$ 3.3550	4	\$ 3.7200	\$ 4.4250	\$ 5.2250				
5	\$ 2.7250	\$ 2.7400	\$ 3.3550	5	\$ 3.8950	\$ 4.4250	\$ 5.7450				
6	\$ 2.7000	\$ 2.7400	\$ 3.3550	6	\$ 3.9550	\$ 4.4250	\$ 6.0000				
7	\$ 2.7150	\$ 2.7400	\$ 3.4350	7	\$ 3.9450	\$ 4.4250	\$ 5.6250				
8	\$ 2.7000	\$ 2.9150	\$ 3.3450	8	\$ 3.9450	\$ 4.3850	\$ 5.3300				
9	\$ 2.7000	\$ 2.9400	\$ 3.3800	9	\$ 3.9450	\$ 4.6500	\$ 5.1750				
10	\$ 2.7000	\$ 2.9300	\$ 3.3450	10	\$ 3.8850	\$ 4.6350	\$ 5.1750				
11	\$ 2.7300	\$ 2.9600	\$ 3.3450	11	\$ 3.9350	\$ 4.7500	\$ 5.1750				
12	\$ 2.7250	\$ 3.0850	\$ 3.3450	12	\$ 3.8750	\$ 4.7500	\$ 5.0950				
13	\$ 2.7350	\$ 3.0850	\$ 3.3500	13	\$ 3.7900	\$ 4.7500	\$ 5.0350				
14	\$ 2.6950	\$ 3.0850	\$ 3.4000	14	\$ 3.6600	\$ 5.0450	\$ 5.0900				
15	\$ 2.6350	\$ 3.1650	\$ 3.4250	15	\$ 3.6600	\$ 5.1100	\$ 5.5150				
16	\$ 2.6350	\$ 3.1200	\$ 3.3450	16	\$ 3.6600	\$ 5.4250	\$ 4.9300				
17	\$ 2.6350	\$ 2.9650	\$ 3.2850	17	\$ 3.7050	\$ 5.1700	\$ 4.9300				
18	\$ 2.8100	\$ 2.9400	\$ 3.2850	18	\$ 3.6900	\$ 4.9650	\$ 4.9300				
19	\$ 2.7250	\$ 2.9950	\$ 3.2850	19	\$ 3.6650	\$ 4.9650	\$ 4.7400				
20	\$ 2.7200	\$ 2.9950	\$ 3.4800	20	\$ 3.6300	\$ 4.9650	\$ 4.5300				
21	\$ 2.6650	\$ 2.9950	\$ 3.5350	21	\$ 3.7450	\$ 4.8750	\$ 4.6000				
22	\$ 2.6600	\$ 2.9350	\$ 3.6400	22	\$ 3.7450	\$ 4.5400	\$ 4.8600				
23	\$ 2.6600	\$ 2.9650	\$ 3.5700	23	\$ 3.7450	\$ 4.4650	\$ 4.8350				
24	\$ 2.6600	\$ 3.0450	\$ 3.6700	24	\$ 3.8450	\$ 4.4500	\$ 4.8350				
25	\$ 2.7100	\$ 3.0900	\$ 3.6700	25	\$ 3.8150	\$ 4.4550	\$ 4.8350				
26	\$ 2.6850	\$ 3.2150	\$ 3.6700	26	\$ 3.9050	\$ 4.4550	\$ 5.3800				
27	\$ 2.7500	\$ 3.2150	\$ 3.9000	27	\$ 3.9600	\$ 4.4550	\$ 5.4950				
28	\$ 2.6500	\$ 3.2150	\$ 3.8550	28	\$ 4.1500	\$ 5.0150	\$ 5.7200				
29	\$ 2.6500	\$ 3.5200	\$ 3.8150	29	\$ 4.1500	\$ 5.3700	\$ 5.3350				
30	\$ 2.6500	\$ 3.5600	\$ 3.7100	30	\$ 4.1500	\$ 5.1900	\$ 5.3350				
31	\$ 2.6500		\$ 3.7100	31	\$ 4.0750		\$ 5.3350				
TOTAL	\$ 83.2550	\$ 90.3200	\$ 107.9950	TOTAL	\$ 118.8800	\$ 141.3250	\$ 160.5050				
POSTINGS	31	30	31	POSTINGS	31	30	31				
AVERAGE	\$ 2.6856	\$ 3.0107	\$ 3.4837	AVERAGE	\$ 3.8348	\$ 4.7108	\$ 5.1776				

**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. 20	\$2.5020	\$2.4642	\$2.8400	\$2.6021
Dec. 20	\$2.5325	\$2.5227	\$2.7500	\$2.6017
Jan. 21	\$2.4875	\$2.5311	\$2.3500	\$2.4562
Feb. 21	\$12.0125	\$7.1255	\$2.6800	\$7.2727
Mar. 21	\$2.4640	\$2.4273	\$2.7800	\$2.5571
Apr. 21	\$2.4850	\$2.5113	\$2.4400	\$2.4788
May 21	\$2.7860	\$2.7789	\$2.8500	\$2.8050
Jun. 21	\$3.0850	\$3.1070	\$2.8500	\$3.0140
Jul. 21	\$3.5775	\$3.6123	\$3.4700	\$3.5533
Aug. 21	\$3.8880	\$3.9073	\$3.8500	\$3.8818
Sep. 21	\$4.7900	\$4.8513	\$4.1900	\$4.6104
Oct. 21	\$5.2450	\$5.2218	\$5.5500	\$5.3389

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

	NATURAL GAS WEEK TEXAS, CENTRAL, ONSHORE	MONTHLY AVERAGE		NATURAL GAS WEEK TEXAS, CENTRAL, ONSHORE	MONTHLY AVERAGE
11/02/2020	\$2.9500		05/03/2021	\$2.8100	
11/09/2020	\$2.5000		05/10/2021	\$2.8100	
11/16/2020	\$2.6800		05/17/2021	\$2.7800	
11/23/2020	\$2.1400		05/24/2021	\$2.7800	
11/30/2020	\$2.2400	\$2.5020	05/31/2021	\$2.7500	\$2.7860
12/07/2020	\$2.6100		06/07/2021	\$2.8700	
12/14/2020	\$2.4000		06/14/2021	\$3.0700	
12/21/2020	\$2.6100		06/21/2021	\$3.1800	
12/28/2020	\$2.5100	\$2.5325	06/28/2021	\$3.2200	\$3.0850
01/04/2021	\$2.3000		07/05/2021	\$3.5300	
01/11/2021	\$2.5900		07/12/2021	\$3.5200	
01/18/2021	\$2.6600		07/19/2021	\$3.4900	
01/25/2021	\$2.4000	\$2.4875	07/26/2021	\$3.7700	\$3.5775
02/01/2021	\$2.5700		08/02/2021	\$3.8700	
02/08/2021	\$3.0000		08/09/2021	\$3.9400	
02/15/2021	\$31.3300		08/16/2021	\$3.8600	
02/22/2021	\$11.1500	\$12.0125	08/23/2021	\$3.7700	
03/01/2021	\$2.5700		08/30/2021	\$4.0000	\$3.8880
03/08/2021	\$2.6000		09/06/2021	\$4.4900	
03/15/2021	\$2.4400		09/13/2021	\$4.7800	
03/22/2021	\$2.3500		09/20/2021	\$5.1300	
03/29/2021	\$2.3600	\$2.4640	09/27/2021	\$4.7600	\$4.7900
04/05/2021	\$2.3800		10/04/2021	\$5.3700	
04/12/2021	\$2.3200		10/11/2021	\$5.5500	
04/19/2021	\$2.5600		10/18/2021	\$5.2200	
04/26/2021	\$2.6800	\$2.4850	10/25/2021	\$4.8400	\$5.2450

PBR YEAR 24 PLATTS GAS DAILY MIDPOINT PRICE
 EAST TEXAS, TENNESSEE, ZONE 0

NOVEMBER 2020		DECEMBER 2020		JANUARY 2021		FEBRUARY 2021		MARCH 2021		APRIL 2021	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 2.9000	\$ 2.9500	\$ 2.2600	\$ 2.6450	1	\$ 2.5150	\$ 2.4050				
2	\$ 2.9000	\$ 2.6700	\$ 2.2600	2	\$ 2.7400	\$ 2.6150	\$ 2.3250				
3	\$ 2.8550	\$ 2.7500	\$ 2.2600	3	\$ 2.9900	\$ 2.7200	\$ 2.3250				
4	\$ 2.7150	\$ 2.4600	\$ 2.2600	4	\$ 2.8000	\$ 2.7050	\$ 2.3250				
5	\$ 2.5800	\$ 2.4600	\$ 2.4700	5	\$ 2.8550	\$ 2.5950	\$ 2.3250				
6	\$ 2.4300	\$ 2.4600	\$ 2.5700	6	\$ 3.2450	\$ 2.5100	\$ 2.2800				
7	\$ 2.3050	\$ 2.4600	\$ 2.6150	7	\$ 3.2450	\$ 2.5100	\$ 2.3100				
8	\$ 2.3050	\$ 2.3200	\$ 2.6850	8	\$ 3.2450	\$ 2.5100	\$ 2.2350				
9	\$ 2.3050	\$ 2.3250	\$ 2.6150	9	\$ 3.1950	\$ 2.3950	\$ 2.3550				
10	\$ 2.6350	\$ 2.3650	\$ 2.6150	10	\$ 3.1800	\$ 2.4050	\$ 2.2650				
11	\$ 2.7300	\$ 2.4300	\$ 2.6150	11	\$ 3.8200	\$ 2.4250	\$ 2.2650				
12	\$ 2.8800	\$ 2.5000	\$ 2.6100	12	\$ 6.2600	\$ 2.4450	\$ 2.2650				
13	\$ 2.8050	\$ 2.5000	\$ 2.7550	13	\$ 8.1450	\$ 2.4250	\$ 2.4350				
14	\$ 2.7800	\$ 2.5000	\$ 2.6750	14	\$ 8.1450	\$ 2.4250	\$ 2.5700				
15	\$ 2.7800	\$ 2.6750	\$ 2.6800	15	\$ 8.1450	\$ 2.4250	\$ 2.5750				
16	\$ 2.7800	\$ 2.6300	\$ 2.6750	16	\$ 8.1450	\$ 2.3900	\$ 2.5350				
17	\$ 2.4350	\$ 2.6650	\$ 2.6750	17	\$ 39.5850	\$ 2.3600	\$ 2.6300				
18	\$ 2.3050	\$ 2.6000	\$ 2.6750	18	\$ 53.2400	\$ 2.3950	\$ 2.6300				
19	\$ 2.0950	\$ 2.6300	\$ 2.6750	19	\$ 6.4650	\$ 2.3300	\$ 2.6300				
20	\$ 2.0150	\$ 2.6300	\$ 2.5200	20	\$ 4.0200	\$ 2.2850	\$ 2.7250				
21	\$ 2.1350	\$ 2.6300	\$ 2.4050	21	\$ 4.0200	\$ 2.2850	\$ 2.6700				
22	\$ 2.1350	\$ 2.5700	\$ 2.3900	22	\$ 4.0200	\$ 2.2850	\$ 2.6400				
23	\$ 2.1350	\$ 2.6400	\$ 2.3550	23	\$ 2.6300	\$ 2.3600	\$ 2.6900				
24	\$ 2.1850	\$ 2.5900	\$ 2.3550	24	\$ 2.6650	\$ 2.3950	\$ 2.6450				
25	\$ 2.3000	\$ 2.4950	\$ 2.3550	25	\$ 2.5850	\$ 2.4000	\$ 2.6450				
26	\$ 2.3000	\$ 2.4950	\$ 2.5050	26	\$ 2.4950	\$ 2.4150	\$ 2.6450				
27	\$ 2.3000	\$ 2.4950	\$ 2.5850	27	\$ 2.4950	\$ 2.3300	\$ 2.5800				
28	\$ 2.3000	\$ 2.4950	\$ 2.6550	28	\$ 2.4950	\$ 2.3300	\$ 2.7800				
29	\$ 2.3000	\$ 2.1300	\$ 2.5650	29		\$ 2.3300	\$ 2.8450				
30	\$ 2.3000	\$ 2.2850	\$ 2.5650	30		\$ 2.3950	\$ 2.7900				
31		\$ 2.4000	\$ 2.5650	31		\$ 2.3350					
TOTAL	\$ 73.9250	\$ 78.2050	\$ 78.4650	TOTAL	\$ 199.5150	\$ 75.2450	\$ 75.3400				
POSTINGS	30	31	31	POSTINGS	28	31	30				
AVERAGE	\$ 2.4642	\$ 2.5227	\$ 2.5311	AVERAGE	\$ 7.1255	\$ 2.4273	\$ 2.5113				

MAY 2021		JUNE 2021		JULY 2021		AUGUST 2021		SEPTEMBER 2021		OCTOBER 2021	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 2.8250	\$ 2.7700	\$ 3.5650	\$ 3.6600	1	\$ 3.6600	\$ 4.2200	\$ 5.3750			
2	\$ 2.8250	\$ 2.9500	\$ 3.5250	\$ 3.6600	2	\$ 3.6600	\$ 4.4950	\$ 5.3050			
3	\$ 2.8250	\$ 2.9300	\$ 3.5050	\$ 3.8600	3	\$ 3.8600	\$ 4.6750	\$ 5.3050			
4	\$ 2.8300	\$ 2.9200	\$ 3.5050	\$ 3.7800	4	\$ 3.7800	\$ 4.5000	\$ 5.3050			
5	\$ 2.8350	\$ 2.8000	\$ 3.5050	\$ 4.0450	5	\$ 4.0450	\$ 4.5000	\$ 5.6800			
6	\$ 2.8600	\$ 2.8000	\$ 3.5050	\$ 4.0550	6	\$ 4.0550	\$ 4.5000	\$ 5.9700			
7	\$ 2.8700	\$ 2.8000	\$ 3.4850	\$ 4.0200	7	\$ 4.0200	\$ 4.5000	\$ 5.7450			
8	\$ 2.7450	\$ 2.8950	\$ 3.4150	\$ 4.0200	8	\$ 4.0200	\$ 4.6500	\$ 5.4050			
9	\$ 2.7450	\$ 3.0250	\$ 3.4850	\$ 4.0200	9	\$ 4.0200	\$ 4.7050	\$ 5.2850			
10	\$ 2.7450	\$ 2.9600	\$ 3.4200	\$ 3.9150	10	\$ 3.9150	\$ 4.8500	\$ 5.2850			
11	\$ 2.8300	\$ 3.0250	\$ 3.4200	\$ 3.9850	11	\$ 3.9850	\$ 4.8350	\$ 5.2850			
12	\$ 2.8400	\$ 3.1900	\$ 3.4200	\$ 3.9050	12	\$ 3.9050	\$ 4.8350	\$ 4.9950			
13	\$ 2.7600	\$ 3.1900	\$ 3.4950	\$ 3.9000	13	\$ 3.9000	\$ 4.8350	\$ 5.1000			
14	\$ 2.8500	\$ 3.1900	\$ 3.5000	\$ 3.7900	14	\$ 3.7900	\$ 5.0900	\$ 5.1400			
15	\$ 2.6850	\$ 3.2600	\$ 3.4950	\$ 3.7900	15	\$ 3.7900	\$ 5.1750	\$ 5.5750			
16	\$ 2.6850	\$ 3.3100	\$ 3.5100	\$ 3.7900	16	\$ 3.7900	\$ 5.3950	\$ 5.0450			
17	\$ 2.6850	\$ 3.1450	\$ 3.4600	\$ 3.8600	17	\$ 3.8600	\$ 5.1800	\$ 5.0450			
18	\$ 2.9200	\$ 3.0900	\$ 3.4600	\$ 3.8100	18	\$ 3.8100	\$ 4.9600	\$ 5.0450			
19	\$ 2.8400	\$ 3.1000	\$ 3.4600	\$ 3.7300	19	\$ 3.7300	\$ 4.9600	\$ 4.8300			
20	\$ 2.8050	\$ 3.1000	\$ 3.6050	\$ 3.6550	20	\$ 3.6550	\$ 4.9600	\$ 4.5600			
21	\$ 2.7550	\$ 3.1000	\$ 3.7300	\$ 3.8150	21	\$ 3.8150	\$ 5.0050	\$ 4.7450			
22	\$ 2.7200	\$ 3.0450	\$ 3.7700	\$ 3.8150	22	\$ 3.8150	\$ 4.7150	\$ 4.8900			
23	\$ 2.7200	\$ 3.0700	\$ 3.7600	\$ 3.8150	23	\$ 3.8150	\$ 4.6650	\$ 4.8250			
24	\$ 2.7200	\$ 3.1550	\$ 3.8600	\$ 3.8350	24	\$ 3.8350	\$ 4.7800	\$ 4.8250			
25	\$ 2.8050	\$ 3.2450	\$ 3.8600	\$ 3.8700	25	\$ 3.8700	\$ 4.8100	\$ 4.8250			
26	\$ 2.7500	\$ 3.3100	\$ 3.8600	\$ 3.9150	26	\$ 3.9150	\$ 4.8100	\$ 5.4950			
27	\$ 2.7500	\$ 3.3100	\$ 3.9300	\$ 4.0350	27	\$ 4.0350	\$ 4.8100	\$ 5.4400			
28	\$ 2.7300	\$ 3.3100	\$ 3.8850	\$ 4.2050	28	\$ 4.2050	\$ 5.1900	\$ 5.6800			
29	\$ 2.7300	\$ 3.5250	\$ 3.8650	\$ 4.2050	29	\$ 4.2050	\$ 5.5600	\$ 5.2900			
30	\$ 2.7300	\$ 3.6900	\$ 3.8600	\$ 4.2050	30	\$ 4.2050	\$ 5.3750	\$ 5.2900			
31	\$ 2.7300		\$ 3.8600	\$ 4.1600	31	\$ 4.1600		\$ 5.2900			
TOTAL	\$ 86.1450	\$ 93.2100	\$ 111.9800	TOTAL	\$ 121.1250	\$ 145.5400	\$ 161.8750				
POSTINGS	31	30	31	POSTINGS	31	30	31				
AVERAGE	\$ 2.7789	\$ 3.1070	\$ 3.6123	AVERAGE	\$ 3.9073	\$ 4.8513	\$ 5.2218				

**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. 20	\$2.5500	\$2.4755	\$2.8500	\$2.6252
Dec. 20	\$2.5500	\$2.5050	\$2.7700	\$2.6083
Jan. 21	\$2.5225	\$2.5597	\$2.3900	\$2.4907
Feb. 21	\$5.2475	\$4.6430	\$2.6900	\$4.1935
Mar. 21	\$2.5380	\$2.5150	\$2.7900	\$2.6143
Apr. 21	\$2.5000	\$2.5440	\$2.5200	\$2.5213
May 21	\$2.8240	\$2.8089	\$2.8500	\$2.8276
Jun. 21	\$3.1150	\$3.1298	\$2.9100	\$3.0516
Jul. 21	\$3.6575	\$3.6829	\$3.5200	\$3.6201
Aug. 21	\$3.9660	\$3.9718	\$3.9300	\$3.9559
Sep. 21	\$4.8800	\$4.9763	\$4.3000	\$4.7188
Oct. 21	\$5.3975	\$5.4206	\$5.7700	\$5.5294

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

NATURAL GAS WEEK LOUISIANA, GULF COAST, ONSHORE			NATURAL GAS WEEK LOUISIANA, GULF COAST, ONSHORE		
		MONTHLY AVERAGE			MONTHLY AVERAGE
11/02/2020	\$2.9700		05/03/2021	\$2.8000	
11/09/2020	\$2.5900		05/10/2021	\$2.8500	
11/16/2020	\$2.6900		05/17/2021	\$2.8200	
11/23/2020	\$2.2900		05/24/2021	\$2.8400	
11/30/2020	\$2.2100	\$2.5500	05/31/2021	\$2.8100	\$2.8240
12/07/2020	\$2.6000		06/07/2021	\$2.9300	
12/14/2020	\$2.4000		06/14/2021	\$3.1200	
12/21/2020	\$2.6200		06/21/2021	\$3.1700	
12/28/2020	\$2.5800	\$2.5500	06/28/2021	\$3.2400	\$3.1150
01/04/2021	\$2.3000		07/05/2021	\$3.6200	
01/11/2021	\$2.6300		07/12/2021	\$3.5800	
01/18/2021	\$2.7200		07/19/2021	\$3.6200	
01/25/2021	\$2.4400	\$2.5225	07/26/2021	\$3.8100	\$3.6575
02/01/2021	\$2.6200		08/02/2021	\$3.9300	
02/08/2021	\$3.1400		08/09/2021	\$4.0000	
02/15/2021	\$4.9400		08/16/2021	\$3.9600	
02/22/2021	\$10.2900	\$5.2475	08/23/2021	\$3.8200	
03/01/2021	\$2.6500		08/30/2021	\$4.1200	\$3.9660
03/08/2021	\$2.7000		09/06/2021	\$4.4700	
03/15/2021	\$2.5100		09/13/2021	\$4.8900	
03/22/2021	\$2.4200		09/20/2021	\$5.2900	
03/29/2021	\$2.4100	\$2.5380	09/27/2021	\$4.8700	\$4.8800
04/05/2021	\$2.4500		10/04/2021	\$5.5600	
04/12/2021	\$2.3500		10/11/2021	\$5.6800	
04/19/2021	\$2.5300		10/18/2021	\$5.4300	
04/26/2021	\$2.6700	\$2.5000	10/25/2021	\$4.9200	\$5.3975

PBR YEAR 24 PLATTS GAS DAILY MIDPOINT PRICE
LOUISIANA/SOUTHEAST, TENNESSEE, 500 LEG

NOVEMBER 2020		DECEMBER 2020		JANUARY 2021		FEBRUARY 2021		MARCH 2021		APRIL 2021	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 2.9850	\$ 2.8600	\$ 2.2950	1	\$ 2.6600	\$ 2.6200	\$ 2.5050				
2	\$ 2.9850	\$ 2.7500	\$ 2.2950	2	\$ 2.8200	\$ 2.7150	\$ 2.4650				
3	\$ 2.9100	\$ 2.6650	\$ 2.2950	3	\$ 3.0800	\$ 2.7850	\$ 2.4650				
4	\$ 2.7300	\$ 2.3950	\$ 2.2950	4	\$ 2.8750	\$ 2.8050	\$ 2.4650				
5	\$ 2.4950	\$ 2.4200	\$ 2.5350	5	\$ 2.9100	\$ 2.6850	\$ 2.4650				
6	\$ 2.5800	\$ 2.4200	\$ 2.6500	6	\$ 3.3600	\$ 2.6250	\$ 2.3300				
7	\$ 2.4750	\$ 2.4200	\$ 2.6350	7	\$ 3.3600	\$ 2.6250	\$ 2.3600				
8	\$ 2.4750	\$ 2.3250	\$ 2.6750	8	\$ 3.3600	\$ 2.6250	\$ 2.3650				
9	\$ 2.4750	\$ 2.3100	\$ 2.6500	9	\$ 3.1650	\$ 2.4900	\$ 2.3600				
10	\$ 2.5050	\$ 2.3700	\$ 2.6500	10	\$ 3.1200	\$ 2.4950	\$ 2.3600				
11	\$ 2.6300	\$ 2.3500	\$ 2.6500	11	\$ 3.5950	\$ 2.5350	\$ 2.3600				
12	\$ 2.6550	\$ 2.4450	\$ 2.6000	12	\$ 5.2350	\$ 2.5400	\$ 2.3600				
13	\$ 2.6900	\$ 2.4450	\$ 2.8300	13	\$ 5.5950	\$ 2.5050	\$ 2.4300				
14	\$ 2.6900	\$ 2.4450	\$ 2.7300	14	\$ 5.5950	\$ 2.5050	\$ 2.5300				
15	\$ 2.6900	\$ 2.6150	\$ 2.7200	15	\$ 5.5950	\$ 2.5050	\$ 2.5500				
16	\$ 2.6900	\$ 2.5750	\$ 2.7200	16	\$ 5.5950	\$ 2.4450	\$ 2.5350				
17	\$ 2.5850	\$ 2.5950	\$ 2.7200	17	\$ 16.5850	\$ 2.4500	\$ 2.5700				
18	\$ 2.5000	\$ 2.5750	\$ 2.7200	18	\$ 15.5100	\$ 2.4500	\$ 2.5700				
19	\$ 2.3300	\$ 2.6250	\$ 2.7200	19	\$ 6.5200	\$ 2.4550	\$ 2.5700				
20	\$ 2.1700	\$ 2.6250	\$ 2.5050	20	\$ 4.4500	\$ 2.4000	\$ 2.6500				
21	\$ 2.2000	\$ 2.6250	\$ 2.3800	21	\$ 4.4500	\$ 2.4000	\$ 2.6750				
22	\$ 2.2000	\$ 2.5850	\$ 2.4200	22	\$ 4.4500	\$ 2.4000	\$ 2.6250				
23	\$ 2.2000	\$ 2.6650	\$ 2.3950	23	\$ 2.7650	\$ 2.4450	\$ 2.6350				
24	\$ 2.2150	\$ 2.6200	\$ 2.3950	24	\$ 2.7450	\$ 2.4250	\$ 2.6700				
25	\$ 2.2050	\$ 2.5500	\$ 2.3950	25	\$ 2.7500	\$ 2.4050	\$ 2.6700				
26	\$ 2.2000	\$ 2.5500	\$ 2.4750	26	\$ 2.6200	\$ 2.4450	\$ 2.6700				
27	\$ 2.2000	\$ 2.5500	\$ 2.5850	27	\$ 2.6200	\$ 2.4250	\$ 2.6500				
28	\$ 2.2000	\$ 2.5500	\$ 2.6750	28	\$ 2.6200	\$ 2.4250	\$ 2.7800				
29	\$ 2.2000	\$ 2.1650	\$ 2.5800	29		\$ 2.4250	\$ 2.8650				
30	\$ 2.2000	\$ 2.2850	\$ 2.5800	30		\$ 2.4400	\$ 2.8150				
31		\$ 2.2800	\$ 2.5800	31		\$ 2.4700					
TOTAL	\$ 74.2650	\$ 77.6550	\$ 79.3500	TOTAL	\$ 130.0050	\$ 77.9650	\$ 76.3200				
POSTINGS	30	31	31	POSTINGS	28	31	30				
AVERAGE	\$ 2.4755	\$ 2.5050	\$ 2.5597	AVERAGE	\$ 4.6430	\$ 2.5150	\$ 2.5440				

MAY 2021			JUNE 2021			JULY 2021			AUGUST 2021			SEPTEMBER 2021			OCTOBER 2021		
DAY	MIDPOINT		MIDPOINT		MIDPOINT	DAY	MIDPOINT		MIDPOINT		MIDPOINT		MIDPOINT		MIDPOINT		
1	\$ 2.7900		\$ 2.7900		\$ 3.5800	1	\$ 3.8150		\$ 4.2350		\$ 5.5200		\$ 5.5200				
2	\$ 2.7900		\$ 2.9300		\$ 3.6300	2	\$ 3.8150		\$ 4.5200		\$ 5.5450		\$ 5.5450				
3	\$ 2.7900		\$ 2.9550		\$ 3.5600	3	\$ 3.9100		\$ 4.6150		\$ 5.5450		\$ 5.5450				
4	\$ 2.8800		\$ 2.9200		\$ 3.5600	4	\$ 3.9250		\$ 4.6050		\$ 5.5450		\$ 5.5450				
5	\$ 2.8400		\$ 2.8800		\$ 3.5600	5	\$ 4.0850		\$ 4.6050		\$ 5.8900		\$ 5.8900				
6	\$ 2.8300		\$ 2.8800		\$ 3.5600	6	\$ 4.1050		\$ 4.6050		\$ 6.1650		\$ 6.1650				
7	\$ 2.7850		\$ 2.8800		\$ 3.5350	7	\$ 4.0550		\$ 4.6050		\$ 5.8150		\$ 5.8150				
8	\$ 2.7900		\$ 2.9700		\$ 3.4650	8	\$ 4.0550		\$ 4.5950		\$ 5.5750		\$ 5.5750				
9	\$ 2.7900		\$ 3.0750		\$ 3.5250	9	\$ 4.0550		\$ 4.8350		\$ 5.5850		\$ 5.5850				
10	\$ 2.7900		\$ 3.0650		\$ 3.5600	10	\$ 4.0350		\$ 4.9150		\$ 5.5850		\$ 5.5850				
11	\$ 2.8300		\$ 3.0650		\$ 3.5600	11	\$ 4.0650		\$ 4.9500		\$ 5.5850		\$ 5.5850				
12	\$ 2.8250		\$ 3.1600		\$ 3.5600	12	\$ 3.9950		\$ 4.9500		\$ 5.3950		\$ 5.3950				
13	\$ 2.8450		\$ 3.1600		\$ 3.5950	13	\$ 3.9400		\$ 4.9500		\$ 5.3450		\$ 5.3450				
14	\$ 2.8150		\$ 3.1600		\$ 3.5750	14	\$ 3.8450		\$ 5.1750		\$ 5.4150		\$ 5.4150				
15	\$ 2.8000		\$ 3.2300		\$ 3.5850	15	\$ 3.8450		\$ 5.3050		\$ 5.8150		\$ 5.8150				
16	\$ 2.8000		\$ 3.2100		\$ 3.5600	16	\$ 3.8450		\$ 5.5750		\$ 5.3850		\$ 5.3850				
17	\$ 2.8000		\$ 3.1350		\$ 3.5350	17	\$ 3.8850		\$ 5.3350		\$ 5.3850		\$ 5.3850				
18	\$ 2.9450		\$ 3.1000		\$ 3.5350	18	\$ 3.8100		\$ 5.2150		\$ 5.3850		\$ 5.3850				
19	\$ 2.9000		\$ 3.1000		\$ 3.5350	19	\$ 3.8000		\$ 5.2150		\$ 4.9600		\$ 4.9600				
20	\$ 2.8350		\$ 3.1000		\$ 3.5950	20	\$ 3.7350		\$ 5.2150		\$ 4.7350		\$ 4.7350				
21	\$ 2.7900		\$ 3.1000		\$ 3.7150	21	\$ 3.8750		\$ 5.1150		\$ 4.8200		\$ 4.8200				
22	\$ 2.7800		\$ 3.0550		\$ 3.8250	22	\$ 3.8750		\$ 4.7950		\$ 4.9350		\$ 4.9350				
23	\$ 2.7800		\$ 3.1550		\$ 3.8600	23	\$ 3.8750		\$ 4.7750		\$ 5.0100		\$ 5.0100				
24	\$ 2.7800		\$ 3.2200		\$ 3.9550	24	\$ 3.8950		\$ 4.8600		\$ 5.0100		\$ 5.0100				
25	\$ 2.7950		\$ 3.2400		\$ 3.9550	25	\$ 3.9100		\$ 4.9250		\$ 5.0100		\$ 5.0100				
26	\$ 2.8150		\$ 3.3700		\$ 3.9550	26	\$ 3.9250		\$ 4.9250		\$ 5.5850		\$ 5.5850				
27	\$ 2.8250		\$ 3.3700		\$ 3.9650	27	\$ 4.0550		\$ 4.9250		\$ 5.4950		\$ 5.4950				
28	\$ 2.7600		\$ 3.3700		\$ 3.9700	28	\$ 4.3150		\$ 5.4950		\$ 5.7550		\$ 5.7550				
29	\$ 2.7600		\$ 3.5550		\$ 3.9600	29	\$ 4.3150		\$ 5.8950		\$ 5.4150		\$ 5.4150				
30	\$ 2.7600		\$ 3.6950		\$ 3.9200	30	\$ 4.3150		\$ 5.5600		\$ 5.4150		\$ 5.4150				
31	\$ 2.7600				\$ 3.9200	31	\$ 4.1500				\$ 5.4150		\$ 5.4150				
TOTAL	\$ 87.0750		\$ 93.8950		\$ 114.1700	TOTAL	\$ 123.1250		\$ 149.2900		\$ 168.0400		\$ 168.0400				
POSTINGS	31		30		31	POSTINGS	31		30		31		31				
AVERAGE	\$ 2.8089		\$ 3.1298		\$ 3.6829	AVERAGE	\$ 3.9718		\$ 4.9763		\$ 5.4206		\$ 5.4206				

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

**THE DELIVERY AREA INDEX (“DAI”)
IS CALCULATED ONLY ON DAYS
WHEN THERE ARE PURCHASES IN EXCESS OF
FIRM DAILY CONTRACT QUANTITIES (“PEFDCQ”).**

**NO SUCH PURCHASES OCCURRED DURING THIS
PERIOD.**

**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 (TGPL)

COLUMN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
LATERAL CAPACITY AND FIRM MAINLINE RECEIPT POINT CAPACITY																	
	WINTER SEASON							(SUM OF COL. 1-5)		ALLOCATION PERCENTAGE*		SUMMER SEASON					
CONTRACTS	ZONE	NOV. 20	DEC. 20	JAN. 21	FEB. 21	MAR. 21			APR. 21	MAY 21	JUN. 21	JUL. 21	AUG. 21	SEP. 21	OCT. 21	(SUM OF COL. 6-14)	ALLOCATION PERCENTAGE**
TGT-NNS-29781	SL	130,734	130,734	130,734	130,734	130,734	653,670	70.21%	56,899	56,899	56,899	56,899	56,899	56,899	56,899	308,203	69.62%
	1	55,473	55,473	55,473	55,473	55,473	277,365	20.79%	24,473	24,473	24,473	24,473	24,473	24,473	24,473	171,311	30.06%
	4	0	0	0	0	0	0	0.00%	0	0	0	0	0	0	0	0	0.00%
	TOTAL	186,207	186,207	186,207	186,207	186,207	931,035	100.00%	81,372	81,372	81,372	81,372	81,372	81,372	81,372	479,514	100.00%
TGT-FT-34951	SL	0	0	0	0	0	0	0.00%	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	0.00%
	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	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	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	140,000	100.00%
	1	0	0	0	0	0	0	0.00%	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	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	ZONE	WINTER ALLOCATION PERCENT (COL. 7)	TEXAS GAS SZFOE ZONE SL (C.17 x C.19)	TEXAS GAS SZFOE ZONE 1 (C.17 x C.19)	TEXAS GAS SZFOE ZONE 4 (C.17 x C.19)	TENNESSEE SZFOE ZONE 0 (C.17 x C.19)	TENNESSEE SZFOE ZONE 1 (C.17 x C.19)	TOTAL	SUMMER SEASON QUANTITY ENTITLEMENT	ZONE	SUMMER ALLOCATION PERCENT (COL. 19)	TEXAS GAS SZFOE ZONE SL (C.26 x C.28)	TEXAS GAS SZFOE ZONE 1 (C.26 x C.28)	TEXAS GAS SZFOE ZONE 4 (C.26 x C.28)	TENNESSEE SZFOE ZONE 0 (C.26 x C.28)	TENNESSEE SZFOE ZONE 1 (C.26 x C.28)	TOTAL
TGT-NNS-29781	28,220,000	SL	70.21%	16,406,062	7,810,938	0	0	0	8,292,000	SL	69.62%	5,797,768	2,494,234	0	0	0	0	8,292,000
		1	28.79%	0	0	0	0	0		1	30.06%	0	0	0	0	0	0	12,840,000
		4	0.00%	0	0	0	0	0		4	0.00%	0	0	0	0	0	0	4,280,000
TGT-FT-34951	9,080,000	SL	0.00%	0	0	0	0	0	12,840,000	SL	0.00%	0	0	0	0	0	0	12,840,000
		1	0.00%	0	0	0	0	0		1	0.00%	0	0	0	0	0	0	4,280,000
		4	100.00%	0	0	0	0	0		4	100.00%	0	0	0	0	0	0	0
TGPL-FT-A-111110	3,020,000	0	100.00%	0	0	0	0	3,020,000	4,280,000	0	100.00%	0	0	0	0	0	0	4,280,000
		1	0.00%	0	0	0	0	0		1	0.00%	0	0	0	0	0	0	0
TOTALS	38,300,000			16,406,062	7,810,938	0	0	0	38,300,000	25,412,000			5,797,768	2,494,234	0	0	0	25,412,000
SUPPLY ZONE FIRM QUANTITY ENTITLEMENT PERCENT**				48.07%	20.39%	0.00%	0.00%	0.00%	100.00%				22.81%	9.82%	50.53%	18.84%	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. 20, 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. 29, 30, 31, 32, OR 33 BY THE TOTAL OF COL. 26.

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 ("TABMGTC")
 FOR PBR TRANSPORTATION INDEX FACTOR ("TIF")

COLUMN	1	2	3	4	5	6	7	8	9
CALCULATION OF TEXAS GAS NO-NOTICE SERVICE PORTION OF BMGTC									
CALCULATION OF BASE TARIFF RATES					CALCULATION OF SURCHARGES				
NNS DEMAND CHARGES			NNS COMMODITY CHARGES			ACA			
MONTH	DAYS	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (1x2x3)	COMMODITY CHARGE	CITY-GATE DELIVERIES	TOTAL (5x6)	CHARGE	TOTAL (8x9)
NOV. 20	30	\$0.4190	184,900	\$2,324,193	\$0.0814	1,844,225	\$100,955	\$0.0011	\$1,809
DEC. 20	31	\$0.4190	184,900	\$2,401,868	\$0.0814	2,323,766	\$142,879	\$0.0011	\$2,556
JAN. 21	31	\$0.4190	184,900	\$2,401,868	\$0.0814	2,781,162	\$169,535	\$0.0011	\$3,037
FEB. 21	28	\$0.4190	184,900	\$2,160,247	\$0.0814	2,681,361	\$164,838	\$0.0011	\$2,949
MAR. 21	31	\$0.4190	184,900	\$2,401,868	\$0.0814	805,831	\$49,478	\$0.0011	\$887
APR. 21	30	\$0.4190	97,440	\$1,224,821	\$0.0814	373,368	\$22,925	\$0.0011	\$410
MAY 21	31	\$0.4190	60,000	\$779,340	\$0.0814	388,834	\$23,874	\$0.0011	\$428
JUN. 21	30	\$0.4190	60,000	\$754,200	\$0.0814	478,114	\$29,356	\$0.0011	\$526
JUL. 21	31	\$0.4190	60,000	\$779,340	\$0.0814	1,471,585	\$90,355	\$0.0011	\$1,819
AUG. 21	31	\$0.4190	60,000	\$779,340	\$0.0814	1,484,402	\$99,914	\$0.0011	\$1,811
SEP. 21	30	\$0.4190	60,000	\$754,200	\$0.0814	1,530,009	\$93,943	\$0.0011	\$1,683
OCT. 21	31	\$0.4190	117,020	\$1,519,973	\$0.0814	612,777	\$48,905	\$0.0012	\$875
TOTAL	365		1,438,960	\$18,289,652		16,735,434	\$1,027,555		\$18,490

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 BMGTC																	
CALCULATION OF BASE TARIFF RATES												TOTAL COMM. (14X15) +		TOTAL CITY-GATE DELIVERY (15+17+19+21)		CALCULATION OF SURCHARGES ACA	
FT DEMAND CHARGES				FT BACKHAUL COMMODITY CHARGES													
MONTH	DAYS	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (10x11x12)	SL COMM. CHARGE	SL CITY-GATE DELIVERIES	Z1 COMM. CHARGE	Z1 CITY-GATE DELIVERIES	Z3 COMM. CHARGE	Z3 CITY-GATE DELIVERIES	Z4 COMM. CHARGE	Z4 CITY-GATE DELIVERIES	(16X17) + (18X19) + (20X21)	(15+17+19+21)	ACA CHARGE	TOTAL (23x24)	
NOV. 20	30	\$0.1374	60,000	\$247,320	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	1,295,070	\$46,655	1,295,070	\$0.0011	\$1,428	
DEC. 20	31	\$0.1374	60,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	1,623,198	\$56,435	1,623,198	\$0.0011	\$1,788	
JAN. 21	31	\$0.1374	60,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	618,078	\$22,251	618,078	\$0.0011	\$680	
FEB. 21	28	\$0.1374	60,000	\$230,832	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	727,737	\$26,199	727,737	\$0.0011	\$800	
MAR. 21	31	\$0.1374	60,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	777,584	\$27,993	777,584	\$0.0011	\$855	
APR. 21	30	\$0.1374	60,000	\$247,320	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	732,722	\$26,378	732,722	\$0.0011	\$808	
MAY 21	31	\$0.1374	60,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	705,610	\$25,402	705,610	\$0.0011	\$776	
JUN. 21	30	\$0.1374	60,000	\$247,320	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	1,767,446	\$63,828	1,767,446	\$0.0011	\$1,944	
JUL. 21	31	\$0.1374	60,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	1,828,430	\$65,824	1,828,430	\$0.0011	\$2,011	
AUG. 21	31	\$0.1374	60,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	1,838,735	\$68,194	1,838,735	\$0.0011	\$2,023	
SEP. 21	30	\$0.1374	60,000	\$247,320	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	1,767,567	\$63,832	1,767,567	\$0.0011	\$1,944	
OCT. 21	31	\$0.1374	60,000	\$255,564	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	1,853,022	\$68,708	1,853,022	\$0.0012	\$2,224	
TOTAL	365		720,000	\$3,009,080		0		0		0		15,538,099	\$559,299	15,538,099		\$17,275	

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 BMGTC																	
CALCULATION OF BASE TARIFF RATES												TOTAL COMM. (30X31) +		TOTAL CITY-GATE DELIVERY (31+33+35+37)		CALCULATION OF SURCHARGES ACA	
STF DEMAND CHARGES				STF COMMODITY CHARGES													
MONTH	DAYS	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (28x27x28)	SL COMM. CHARGE	SL CITY-GATE DELIVERIES	Z1 COMM. CHARGE	Z1 CITY-GATE DELIVERIES	Z3 COMM. CHARGE	Z3 CITY-GATE DELIVERIES	Z4 COMM. CHARGE	Z4 CITY-GATE DELIVERIES	(32X33) + (34X35) + (36X37)	(31+33+35+37)	ACA CHARGE	TOTAL (39x40)	
NOV. 20	30	\$0.4252	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0011	\$0	
DEC. 20	31	\$0.4252	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0011	\$0	
JAN. 21	31	\$0.4252	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0011	\$0	
FEB. 21	28	\$0.4252	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0011	\$0	
MAR. 21	31	\$0.4252	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0011	\$0	
APR. 21	30	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0011	\$0	
MAY 21	31	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0011	\$0	
JUN. 21	30	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0011	\$0	
JUL. 21	31	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0011	\$0	
AUG. 21	31	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0011	\$0	
SEP. 21	30	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0011	\$0	
OCT. 21	31	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0360	0	\$0	0	\$0.0012	\$0	
TOTAL	365		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
	CALC. OF DIRECT BILLS		S&DB	NNS
	CASH- OUT	OTHER	(9+42+43)	(4+7+44) BMGTC
NOV. 20	\$0	\$0	\$1,809	\$2,426,657
DEC. 20	\$0	\$0	\$2,556	\$2,546,901
JAN. 21	\$0	\$0	\$3,037	\$2,574,238
FEB. 21	\$0	\$0	\$2,940	\$2,336,832
MAR. 21	\$0	\$0	\$687	\$2,452,031
APR. 21	\$0	\$0	\$410	\$1,248,158
MAY 21	\$0	\$0	\$428	\$803,642
JUN. 21	\$0	\$0	\$526	\$784,082
JUL. 21	\$0	\$0	\$1,619	\$871,314
AUG. 21	\$0	\$0	\$1,611	\$870,865
SEP. 21	\$0	\$0	\$1,883	\$849,828
OCT. 21	\$0	\$0	\$975	\$1,570,853
TOTAL	\$0	\$0	\$16,490	\$10,335,667

COLUMN 46 47 48 49

MONTH	FT BACKHAUL			TOTAL FT BACKHAUL
	CALC. OF DIRECT BILLS		TOTAL S&DB	BMGTC
	CASH- OUT	OTHER	(25+46+ 47)	(13+22+ 48)
NOV. 20	\$0	\$0	\$1,428	\$295,401
DEC. 20	\$0	\$0	\$1,786	\$315,785
JAN. 21	\$0	\$0	\$680	\$278,495
FEB. 21	\$0	\$0	\$800	\$257,831
MAR. 21	\$0	\$0	\$855	\$284,412
APR. 21	\$0	\$0	\$908	\$274,504
MAY 21	\$0	\$0	\$776	\$281,742
JUN. 21	\$0	\$0	\$1,844	\$312,862
JUL. 21	\$0	\$0	\$2,011	\$323,368
AUG. 21	\$0	\$0	\$2,023	\$323,781
SEP. 21	\$0	\$0	\$1,844	\$312,866
OCT. 21	\$0	\$0	\$2,224	\$324,486
TOTAL	\$0	\$0	\$17,275	\$3,585,634

COLUMN 50 51 52 53

MONTH	STF			TOTAL STF
	CALC. OF DIRECT BILLS		TOTAL S&DB	BMGTC
	CASH- OUT	OTHER	(41+50+ 51)	(29+38+ 52)
NOV. 20	\$0	\$0	\$0	\$0
DEC. 20	\$0	\$0	\$0	\$0
JAN. 21	\$0	\$0	\$0	\$0
FEB. 21	\$0	\$0	\$0	\$0
MAR. 21	\$0	\$0	\$0	\$0
APR. 21	\$0	\$0	\$0	\$0
MAY 21	\$0	\$0	\$0	\$0
JUN. 21	\$0	\$0	\$0	\$0
JUL. 21	\$0	\$0	\$0	\$0
AUG. 21	\$0	\$0	\$0	\$0
SEP. 21	\$0	\$0	\$0	\$0
OCT. 21	\$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) (45+49+53)
NOV. 20	\$2,722,358
DEC. 20	\$2,862,698
JAN. 21	\$2,852,733
FEB. 21	\$2,594,683
MAR. 21	\$2,736,443
APR. 21	\$1,522,660
MAY 21	\$1,085,384
JUN. 21	\$1,096,974
JUL. 21	\$1,194,713
AUG. 21	\$1,194,846
SEP. 21	\$1,162,722
OCT. 21	\$1,695,349
TOTAL	\$22,921,331

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													
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 (\$5x59)	COMMODITY CHARGE	CITY-GATE DELIVERIES	TOTAL (\$9x59)	EPCR CHARGE	TOTAL (\$9x61)	ACA CHARGE	TOTAL (\$9x63)	OTHER	(84 + 85)	FT-A ZN-0 BMGTC (\$740+86)
NOV. 20	\$13,6942	20,000	\$273,884	\$0.0193	60,000	\$1,158	\$0.0120	\$720	\$0.0011	\$66	\$0	\$736	\$275,828
DEC. 20	\$13,6942	20,000	\$273,884	\$0.0193	0	\$0	\$0.0120	\$0	\$0.0011	\$0	\$0	\$0	\$273,884
JAN. 21	\$13,6942	20,000	\$273,884	\$0.0193	0	\$0	\$0.0120	\$0	\$0.0011	\$0	\$0	\$0	\$273,884
FEB. 21	\$13,6942	20,000	\$273,884	\$0.0193	80,000	\$1,544	\$0.0120	\$960	\$0.0011	\$88	\$0	\$1,048	\$276,478
MAR. 21	\$13,6942	20,000	\$273,884	\$0.0193	0	\$0	\$0.0120	\$0	\$0.0011	\$0	\$0	\$0	\$273,884
APR. 21	\$13,6942	20,000	\$273,884	\$0.0193	0	\$0	\$0.0125	\$0	\$0.0011	\$0	\$0	\$0	\$273,884
MAY 21	\$13,6942	20,000	\$273,884	\$0.0193	0	\$0	\$0.0125	\$0	\$0.0011	\$0	\$0	\$0	\$273,884
JUN. 21	\$13,6942	20,000	\$273,884	\$0.0193	0	\$0	\$0.0125	\$0	\$0.0011	\$0	\$0	\$0	\$273,884
JUL. 21	\$13,6942	20,000	\$273,884	\$0.0193	290,000	\$5,567	\$0.0125	\$3,625	\$0.0011	\$319	\$0	\$3,944	\$283,425
AUG. 21	\$13,6942	20,000	\$273,884	\$0.0193	210,000	\$4,053	\$0.0125	\$2,625	\$0.0011	\$231	\$0	\$2,856	\$286,793
SEP. 21	\$13,6942	20,000	\$273,884	\$0.0193	150,000	\$2,895	\$0.0125	\$1,875	\$0.0011	\$165	\$0	\$2,040	\$278,819
OCT. 21	\$13,6942	20,000	\$273,884	\$0.0193	60,000	\$1,158	\$0.0125	\$750	\$0.0012	\$72	\$0	\$822	\$275,884
TOTAL		240,000	\$3,286,608		850,000	\$16,405		\$10,555		\$941	\$0	\$11,496	\$3,314,509

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													
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 (\$8x69)	COMMODITY CHARGE	CITY-GATE DELIVERIES	TOTAL (71x72)	EPCR CHARGE	TOTAL (72x74)	ACA CHARGE	TOTAL (72x78)	OTHER	(75 + 77 + 78)	FT-A ZN-1 BMGTC (70+73+79)
NOV. 20	\$9,3899	0	\$0	\$0.0163	0	\$0	\$0.0099	\$0	\$0.0011	\$0	\$0	\$0	\$0
DEC. 20	\$9,3899	0	\$0	\$0.0163	0	\$0	\$0.0099	\$0	\$0.0011	\$0	\$0	\$0	\$0
JAN. 21	\$9,3899	0	\$0	\$0.0163	0	\$0	\$0.0099	\$0	\$0.0011	\$0	\$0	\$0	\$0
FEB. 21	\$9,3899	0	\$0	\$0.0163	380,000	\$6,194	\$0.0099	\$3,782	\$0.0011	\$418	\$0	\$4,180	\$10,374
MAR. 21	\$9,3899	0	\$0	\$0.0163	160,000	\$2,608	\$0.0099	\$1,584	\$0.0011	\$176	\$0	\$1,760	\$4,368
APR. 21	\$9,3899	0	\$0	\$0.0163	0	\$0	\$0.0104	\$0	\$0.0011	\$0	\$0	\$0	\$0
MAY 21	\$9,3899	0	\$0	\$0.0163	0	\$0	\$0.0104	\$0	\$0.0011	\$0	\$0	\$0	\$0
JUN. 21	\$9,3899	0	\$0	\$0.0163	0	\$0	\$0.0104	\$0	\$0.0011	\$0	\$0	\$0	\$0
JUL. 21	\$9,3899	0	\$0	\$0.0163	20,000	\$326	\$0.0104	\$208	\$0.0011	\$22	\$0	\$230	\$558
AUG. 21	\$9,3899	0	\$0	\$0.0163	110,000	\$1,793	\$0.0104	\$1,144	\$0.0011	\$121	\$0	\$1,265	\$3,058
SEP. 21	\$9,3899	0	\$0	\$0.0163	150,000	\$2,445	\$0.0104	\$1,580	\$0.0011	\$165	\$0	\$1,725	\$4,170
OCT. 21	\$9,3899	0	\$0	\$0.0163	269,899	\$4,401	\$0.0104	\$2,808	\$0.0012	\$324	\$0	\$3,132	\$7,533
TOTAL		0	\$0		1,089,899	\$17,767		\$11,066		\$1,226	\$0	\$12,292	\$30,059

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													
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 (\$1x82)	COMMODITY CHARGE	CITY-GATE DELIVERIES	TOTAL (\$4x85)	EPCR CHARGE	TOTAL (\$5x87)	ACA CHARGE	TOTAL (\$5x89)	OTHER	(90 + 91)	FT-A ZN-2 BMGTC (\$3+88+92)
NOV. 20	\$4,8635	0	\$0	\$0.0028	0	\$0	\$0.0006	\$0	\$0.0011	\$0	\$0	\$0	\$0
DEC. 20	\$4,8635	0	\$0	\$0.0028	0	\$0	\$0.0006	\$0	\$0.0011	\$0	\$0	\$0	\$0
JAN. 21	\$4,8635	0	\$0	\$0.0028	0	\$0	\$0.0006	\$0	\$0.0011	\$0	\$0	\$0	\$0
FEB. 21	\$4,8635	0	\$0	\$0.0028	0	\$0	\$0.0006	\$0	\$0.0011	\$0	\$0	\$0	\$0
MAR. 21	\$4,8635	0	\$0	\$0.0028	0	\$0	\$0.0006	\$0	\$0.0011	\$0	\$0	\$0	\$0
APR. 21	\$4,8635	0	\$0	\$0.0028	0	\$0	\$0.0007	\$0	\$0.0011	\$0	\$0	\$0	\$0
MAY 21	\$4,8635	0	\$0	\$0.0028	0	\$0	\$0.0007	\$0	\$0.0011	\$0	\$0	\$0	\$0
JUN. 21	\$4,8635	0	\$0	\$0.0028	0	\$0	\$0.0007	\$0	\$0.0011	\$0	\$0	\$0	\$0
JUL. 21	\$4,8635	0	\$0	\$0.0028	0	\$0	\$0.0007	\$0	\$0.0011	\$0	\$0	\$0	\$0
AUG. 21	\$4,8635	0	\$0	\$0.0028	0	\$0	\$0.0007	\$0	\$0.0011	\$0	\$0	\$0	\$0
SEP. 21	\$4,8635	0	\$0	\$0.0028	0	\$0	\$0.0007	\$0	\$0.0011	\$0	\$0	\$0	\$0
OCT. 21	\$4,8635	0	\$0	\$0.0028	0	\$0	\$0.0007	\$0	\$0.0012	\$0	\$0	\$0	\$0
TOTAL		0	\$0		0	\$0		\$0		\$0	\$0	\$0	\$0

COLUMN	94	95
TOTAL		
MONTH	TOTAL S&DB	BM(TGPL) (\$7+80+93+94)
NOV. 20	(\$6)	\$275,822
DEC. 20	\$2,728	\$276,612
JAN. 21	(\$507)	\$273,377
FEB. 21	\$306	\$287,156
MAR. 21	(\$521)	\$277,731
APR. 21	(\$20)	\$273,864
MAY 21	\$0	\$273,884
JUN. 21	\$0	\$273,884
JUL. 21	\$0	\$283,081
AUG. 21	(\$259)	\$283,592
SEP. 21	(\$366)	\$282,623
OCT. 21	(\$2,448)	\$280,949
TOTAL	(\$1,093)	\$3,343,475

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

COLUMN	96	97	98	99
	SUMMARY OF PIPELINE BENCHMARKS			
	TOTAL BM(TGT) COL. 54	TOTAL BM(TGPL) COL. 95	TOTAL BM(PPL) COL. 98	TABMGTC (96+97+98)
NOV. 20	\$2,722,358	\$275,822	\$0	\$2,998,180
DEC. 20	\$2,862,898	\$278,812	\$0	\$3,139,298
JAN. 21	\$2,852,733	\$273,377	\$0	\$3,126,110
FEB. 21	\$2,594,683	\$287,156	\$0	\$2,881,819
MAR. 21	\$2,736,443	\$277,731	\$0	\$3,014,174
APR. 21	\$1,522,860	\$273,884	\$0	\$1,796,524
MAY 21	\$1,085,384	\$273,884	\$0	\$1,359,268
JUN. 21	\$1,098,974	\$273,884	\$0	\$1,370,858
JUL. 21	\$1,194,713	\$283,981	\$0	\$1,478,694
AUG. 21	\$1,194,648	\$283,592	\$0	\$1,478,238
SEP. 21	\$1,182,722	\$282,823	\$0	\$1,445,345
OCT. 21	\$1,895,349	\$280,949	\$0	\$2,176,298
TOTAL	\$22,921,331	\$3,343,475	\$0	\$26,264,806

*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. 20	\$2,689,689	\$103,140	\$2,792,829
DEC. 20	\$2,862,686	\$103,930	\$2,966,616
JAN. 21	\$2,852,733	\$100,695	\$2,953,428
FEB. 21	\$2,594,663	\$114,474	\$2,709,137
MAR. 21	\$2,736,443	\$105,049	\$2,841,492
APR. 21	\$1,522,660	\$101,182	\$1,623,842
MAY 21	\$1,085,384	\$101,202	\$1,186,586
JUN. 21	\$1,096,974	\$101,202	\$1,198,176
JUL. 21	\$1,194,713	\$111,299	\$1,306,012
AUG. 21	\$1,194,646	\$110,910	\$1,305,556
SEP. 21	\$1,162,722	\$109,941	\$1,272,663
OCT. 21	\$1,895,349	\$108,267	\$2,003,616
TOTAL	\$22,888,662	\$1,271,291	\$24,159,953

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> (1 - 2)
NOV. 20	\$2,998,180	\$2,792,829	\$205,351
DEC. 20	\$3,139,298	\$2,966,616	\$172,682
JAN. 21	\$3,126,110	\$2,953,428	\$172,682
FEB. 21	\$2,881,819	\$2,709,137	\$172,682
MAR. 21	\$3,014,174	\$2,841,492	\$172,682
APR. 21	\$1,796,524	\$1,623,842	\$172,682
MAY 21	\$1,359,268	\$1,186,586	\$172,682
JUN. 21	\$1,370,858	\$1,198,176	\$172,682
JUL. 21	\$1,478,694	\$1,306,012	\$172,682
AUG. 21	\$1,478,238	\$1,305,556	\$172,682
SEP. 21	\$1,445,345	\$1,272,663	\$172,682
OCT. 21	\$2,176,298	\$2,003,616	\$172,682
TOTAL	\$26,264,806	\$24,159,953	\$2,104,853

**PBR-TIF
TARIFF SHEETS**

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

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

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

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

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

Notes:

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

**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	DELIVERY ZONE								
	RECEIPT 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/	DELIVERY ZONE								
	RECEIPT 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/	DELIVERY ZONE								
	RECEIPT ZONE	0	L	1	2	3	4	5	6
	0	\$4.8984		\$10.1911	\$13.6942	\$13.9358	\$15.3086	\$16.2468	\$20.3736
	L		\$4.3532						
	1	\$7.3532		\$7.0503	\$9.3689	\$13.2548	\$13.0545	\$14.7172	\$18.0875
	2	\$13.6943		\$9.3129	\$4.8635	\$4.5491	\$5.8092	\$7.9744	\$10.2820
	3	\$13.9358		\$7.3853	\$4.9024	\$3.5483	\$5.4283	\$9.7841	\$11.2994
	4	\$17.6826		\$16.3051	\$6.2392	\$9.4603	\$4.6518	\$5.0274	\$7.1645
	5	\$21.0760		\$14.8220	\$6.5428	\$7.9082	\$5.1631	\$4.8457	\$6.2957
	6	\$24.3746		\$17.0181	\$11.7253	\$12.9130	\$9.1333	\$4.8244	\$4.1818

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/GHGSurcharge Adjustment per Article XXXVIII of the General Terms and Conditions of \$0.0413.

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	\$0.0048		\$0.0131	\$0.0193	\$0.0235	\$0.2355	\$0.2248	\$0.2672
L		\$0.0028						
1	\$0.0058		\$0.0097	\$0.0163	\$0.0195	\$0.2005	\$0.2044	\$0.2331
2	\$0.0183		\$0.0103	\$0.0028	\$0.0044	\$0.0660	\$0.1048	\$0.1160
3	\$0.0223		\$0.0185	\$0.0042	\$0.0018	\$0.0876	\$0.1206	\$0.1316
4	\$0.0266		\$0.0221	\$0.0103	\$0.0121	\$0.0414	\$0.0579	\$0.0928
5	\$0.0300		\$0.0272	\$0.0116	\$0.0134	\$0.0576	\$0.0571	\$0.0705
6	\$0.0362		\$0.0316	\$0.0159	\$0.0179	\$0.0878	\$0.0483	\$0.0300

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 \$0.0016.

FUELAND EPCR

F&LR 1/, 2/, 3/, 4/	RECEIPT		DELIVERY ZONE						
	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		DELIVERY ZONE						
	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, Shippers 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 -0.09%.

FUEL AND EPCR

F&LR 1/, 2/, 3/, 4/	RECEIPT		DELIVERY ZONE						
	ZONE	0	L	1	2	3	4	5	6
	0	0.43%		1.54%	2.34%	2.97%	3.59%	4.08%	4.66%
	L		0.16%						
	1	0.56%		1.09%	1.96%	2.43%	2.92%	3.55%	4.06%
	2	2.40%		1.17%	0.15%	0.38%	0.79%	1.44%	1.96%
	3	2.97%		2.37%	0.38%	0.03%	1.14%	1.67%	2.26%
	4	3.46%		2.71%	1.16%	1.40%	0.40%	0.66%	1.22%
	5	4.08%		3.55%	1.42%	1.67%	0.66%	0.65%	0.86%
	6	4.88%		4.06%	1.96%	2.26%	1.14%	0.50%	0.20%

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

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

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

- 1/ Included in the above F&LR is the Losses component of the F&LR equal to 0.00%.
- 2/ For service that is rendered entirely by displacement and for gas scheduled and allocated for receipt at the Dracut, Massachusetts receipt point, Shipper shall render only the quantity of gas associated with Losses of 0.00%.
- 3/ The F&LRs and EPCR's listed above are applicable to FT-A, FT-BH, FT-G, FT-GS, and IT.
- 4/ The F&LRs and EPCR's determined pursuant to Article XXXVII of the General Terms and Conditions.
- 5/ The incremental F&LR and EPCR set forth above are applicable to a Shipper(s) utilizing capacity on the Broad Run Expansion Project – Market Component facilities, from any receipt point(s) to any delivery point(s) located on the project's transportation path. Any service provided to a Shipper(s) outside the project's transportation path shall be subject to the greater of the incremental F&LR and EPCR for the project or the applicable F&LR and EPCR for the applicable receipt(s) and delivery point(s) as shown in the rate matrices above. Included in the above F&LR is the Losses component of the F&LR equal to 0.00%.

**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

**FERC ACA UNIT CHARGE
EFFECTIVE OCTOBER 1, 2021**

FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, D.C. 20426

FY 2021 GAS ANNUAL CHARGES
CORRECTION FOR ANNUAL CHARGES UNIT CHARGE
June 16, 2021

The annual charges unit charge (ACA) to be applied in fiscal year 2022 for recovery of FY 2021 Current year and 2020 True-Up is \$0.0012 per Dekatherm (Dth). The new ACA surcharge will become effective October 1, 2021.

The following calculations were used to determine the FY 2021 unit charge:

2021 CURRENT:

Estimated Program Cost \$73,470,000 divided by 61,333,716,267 Dth = 0.0011978730

2020 TRUE-UP:

Debit/Credit Cost (\$1,115,938) divided by 60,594,054,316 Dth = (0.0000184166)

TOTAL UNIT CHARGE = 0.0011794564

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. 20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DEC. 20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
JAN. 21	\$1,285,887	\$1,178,347	\$0	\$0	\$0	\$1,178,347	\$107,540
FEB. 21	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MAR. 21	\$0	\$0	\$0	\$0	\$0	\$0	\$0
APR. 21	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MAY 21	\$0	\$0	\$0	\$0	\$0	\$0	\$0
JUN. 21	\$0	\$0	\$0	\$0	\$0	\$0	\$0
JUL. 21	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AUG. 21	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SEP. 21	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OCT. 21	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTALS	\$1,285,887	\$1,178,347	\$0	\$0	\$0	\$1,178,347	\$107,540

**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
30/70 Company/Customer Sharing Up to 4.6% of TAGSC	\$6,369,131	30%	70%	\$4,458,392	\$1,910,739	\$6,369,131
50/50 Company/Customer Sharing in Excess of 4.6% of TAGSC	\$6,175,216	50%	50%	\$3,087,608	\$3,087,608	\$6,175,216
	<u>\$12,544,347</u>			<u>\$7,546,000</u>	<u>\$4,998,347</u>	<u>\$12,544,347</u>
Portion of Company Savings Attributable to Demand Costs		16.78%			\$838,723	
Portion of Company Savings Attributable to Commodity Costs		<u>83.22%</u>			<u>\$4,159,624</u>	
Total Company Portion of Savings		<u>100.00%</u>		CSPBR	<u>\$4,998,347</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>Demand/Commodity Allocation</u>		<u>Benchmarked Gas Costs</u>		<u>PTAGSC</u>
			<u>Demand</u>	<u>Commodity</u>			<u>(Col. 3 / 6)</u>
Gas Acquisition Index Factor					Actual Gas Costs		
GAIF							
Demand	\$0		0.00%				
Commodity	<u>\$10,331,954</u>			82.36%			
Total		\$10,331,954			AGC	\$114,299,415	
Transportation Index Factor					Actual Transportation Costs		
TIF							
Demand	\$2,104,853		16.78%				
Commodity	<u>\$0</u>			0.00%			
Total		\$2,104,853			TAAGTC	\$24,159,953	
Off-System Sales Index Factor							
OSSIF							
Demand	\$0		0.00%				
Commodity	<u>\$107,540</u>			0.86%			
Total		\$107,540					
Total All PBR Factors					Total Actual Gas Supply Costs		
Demand	\$2,104,853						
Commodity	<u>\$10,439,494</u>						
TPBRR		<u>\$12,544,347</u>	<u>16.78%</u>	<u>83.22%</u>	TAGSC	<u>\$138,459,368</u>	9.06%