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PUBLIC SERVICE
COMMISSION

Gwen R. Pinson
Executive Director
Public Service Commission of Kentucky
211 Sower Boulevard
P.O. Box 615
Frankfort, Kentucky 40601

**Louisville Gas and
Electric Company**
State Regulation and Rates
220 West Main Street
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Louisville, Kentucky 40232
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Requirement
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January 2, 2018

Re: Performance Based Ratemaking Mechanism

Dear Ms. Pinson:

Louisville Gas and Electric Company ("LG&E") is filing support for LG&E's Performance Based Ratemaking ("PBR") mechanism as approved pursuant to the Order dated June 30, 2015, in Case No. 2014-00476. LG&E encloses herewith an original and ten copies of the PBR mechanism quarterly activity report. This report is a summary of LG&E's activity under the PBR mechanism for the period beginning November 1, 2016 and ending October 31, 2017.

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

Sincerely,

Derek A. Rahn

**Activity Under LG&E's Performance-Based Ratemaking ("PBR") Mechanism
for the PBR Period for the 12 Months Ended October 31, 2017**

Attached is a summary of LG&E's activity and the supporting documentation for the PBR mechanism covering the entirety of PBR Year 20 (November 1, 2016, through October 31, 2017) 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, 2018.

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, 2017, LG&E has achieved the following results:

	<u>PBR-GAIF</u>	<u>PBR-TIF</u>	<u>PBR-OSSIF</u>	<u>Total</u>
<i>Nov. 2016</i>	\$217,354	\$166,932	\$0	\$384,286
<i>Dec.</i>	\$786,840	\$159,432	\$0	\$946,272
<i>Jan. 2017</i>	\$340,973	\$159,432	\$0	\$500,405
<i>Qtr. Subtotal</i>	\$1,345,167	\$485,796	\$0	\$1,830,963
<i>Feb.</i>	\$100,735	\$159,432	\$0	\$260,167
<i>Mar.</i>	\$98,188	\$160,982	\$196,921	\$456,091
<i>Apr.</i>	(\$15,505)	\$159,432	\$0	\$143,927
<i>Qtr. Subtotal</i>	\$183,418	\$479,846	\$196,921	\$860,185

	<u>PBR-GAIF</u>	<u>PBR-TIF</u>	<u>PBR-OSSIF</u>	<u>Total</u>
May	(\$1,383)	\$159,432	\$0	\$158,049
Jun.	\$125,101	\$159,432	\$0	\$284,533
Jul.	(\$9,815)	\$159,432	\$0	\$149,617
<i>Qtr. Subtotal</i>	\$113,903	\$478,296	\$0	\$592,199
Aug.	\$22,286	\$159,432	\$0	\$181,718
Sep.	\$44,486	\$159,432	\$0	\$203,918
Oct.	\$37,896	\$159,432	\$0	\$197,328
<i>Qtr. Subtotal</i>	\$104,668	\$478,296	\$0	\$582,964
<i>Total</i>	\$1,747,156	\$1,922,234	\$196,921	\$3,866,311

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.

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 \$1,747,156.

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 (“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 \$1,922,234. The portion of savings attributable to Texas Gas under PBR-TIF is \$9,050. The portion of savings attributable to Tennessee under PBR-TIF is \$1,913,184. 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 is \$1,922,234.

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 made off-system sales during the PBR period when the opportunity arose to generate savings, and LG&E had natural gas under contract and available for sale. These off-system sales were made to entities which are not affiliated with LG&E. During the period covered by this report, LG&E made off-system sales during the month of March 2017.

PBR Amounts and Demand/Commodity Allocation: Following is a summary of the various PBR components in total for the 12 months ended October 31, 2016. 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 20 were \$3,866,311, and TAGSC was \$111,625,084, which is the sum of \$87,078,396 in AGC and \$24,546,688 in TAAGTC. Therefore, savings as a percentage of TAGSC were 3.46% (\$3,866,311 / \$111,625,084). Hence, all of the savings up to \$3,348,753 (3.0% x \$111,625,084) 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 \$517,558 (\$3,866,311 - \$3,348,753), is the subject of the 50% sharing tier.

Therefore, the initial tier of the sliding scale is allocated on a 25/75 basis with \$837,188 (25% x \$3,348,753) being allocated to the Company and \$2,511,565 (75% x \$3,348,753) being allocated to customers. The second tier is subject to sharing on a 50/50 basis with \$258,779 (50% x \$517,558) being allocated to the Company and \$258,779 (50% x \$517,558) being allocated to customers. Therefore, the total portion of the savings being retained by customers is \$2,770,344 (\$2,511,565 + \$258,779); and the total portion of the savings being allocated to the Company and collected from customers is \$1,095,967 (\$837,188 + \$258,779). Therefore, the CSPBR to be collected for the Company from customers by means of the PBRRC (as a part of the GSCC) is \$1,095,967.

The total to be collected for the Company from customers through the GSCC is \$1,095,967. 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, \$544,915 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 \$551,052 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, 2017**

**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 STP	APV TRANSPORTED UNDER TGTPL FT-A	APV TRANSPORTED UNDER OTHER CAPACITY	TOTAL APV FOR SYSTEM SUPPLY (1+2+3+4+5)	TGT OR TGTPL PEFDCQ	APV - PEFDCQ= TOTAL APV FOR SYSTEM SUPPLY (6-7)	TGT ZONE 8L 0.00%	TGT ZONE 1 44.96% 23.19%	TGT ZONE 4 47.73% 59.97%	TGTPL ZONE 0 7.80% 18.84%	TGTPL ZONE 1 0.00% 0.00%
									(C. 8 X 8ZFOE%)	(C. 8 X 8ZFOE%)	(C. 8 X 8ZFOE%)	(C. 8 X 8ZFOE%)	(C. 8 X 8ZFOE%)
Nov 16	898,008	475,000	0	81,296	640,000	2,082,284	0	2,082,284	0	924,100	963,864	184,291	0
Dec 16	2,984,074	20,000	0	829,827	286,000	3,578,901	0	3,578,901	0	1,588,318	1,708,210	282,375	0
Jan 17	791,740	210,000	0	281,585	680,000	1,943,325	0	1,943,325	0	862,448	927,849	163,328	0
Feb 17	490,074	36,000	0	80,951	588,000	1,181,025	0	1,181,025	0	524,139	563,703	93,183	0
Mar 17	828,343	0	0	0	0	828,343	0	828,343	0	277,527	298,478	49,540	0
Apr 17	1,397,600	40,000	0	0	0	1,437,600	0	1,437,600	0	833,379	862,129	242,062	0
May 17	1,343,500	20,000	0	181,317	0	1,544,817	0	1,544,817	0	388,243	428,427	280,147	0
Jun 17	368,200	1,293,373	0	610,463	80,000	2,378,036	0	2,378,036	0	851,968	1,428,708	400,830	0
Jul 17	1,333,207	1,810,542	0	633,344	0	3,777,093	0	3,777,093	0	875,908	2,288,123	638,062	0
Aug 17	1,428,557	1,848,024	0	633,640	0	3,910,221	0	3,910,221	0	906,780	2,344,960	668,481	0
Sep 17	1,471,000	1,707,579	0	613,200	0	3,791,779	0	3,791,779	0	879,313	2,273,930	638,536	0
Oct 17	1,708,208	1,818,380	0	624,880	0	4,236,448	0	4,236,448	0	983,128	2,542,397	713,923	0
Total	14,633,499	9,278,878	0	4,350,476	2,230,000	30,460,852	0	30,460,852	0	9,064,988	17,133,478	4,292,388	0

Column	14	15	16	17	18	19	20	21	22	23	24	25
	SAI TGT-BL	APV x 8AI TGT-8L (8X14)	SAI TGT-Z1	APV x 8AI TGT-Z1 (10X16)	SAI TGT-Z4	APV x 8AI TGT-Z4 (11X18)	SAI TGTPL-Z0	APV x 8AI TGTPL-Z0 (12X20)	SAI TGTPL-Z1	APV x 8AI TGTPL-Z1 (13X22)	DAI	TOTAL BMGCC (15+17+19+21+23+24)
Nov 16	\$2,4697	\$0	\$2,4875	\$2,280,230	\$2,4772	\$2,482,000	\$2,4710	\$408,963	\$2,4813	\$0	\$0	\$5,148,202
Dec 16	\$3,3506	\$0	\$3,3548	\$5,328,483	\$3,4210	\$5,845,324	\$3,3194	\$637,316	\$3,3753	\$0	\$0	\$12,111,123
Jan 17	\$3,4598	\$0	\$3,4411	\$2,957,770	\$3,4948	\$3,241,598	\$3,4117	\$323,100	\$3,4997	\$0	\$0	\$6,732,477
Feb 17	\$2,9281	\$0	\$2,9136	\$1,827,131	\$2,9983	\$1,634,344	\$2,8981	\$289,774	\$2,9338	\$0	\$0	\$3,431,249
Mar 17	\$2,8672	\$0	\$2,8707	\$741,191	\$2,8527	\$791,787	\$2,8819	\$131,336	\$2,8637	\$0	\$0	\$1,884,298
Apr 17	\$3,0213	\$0	\$3,0027	\$1,001,037	\$2,9802	\$2,552,074	\$2,9919	\$724,315	\$3,0374	\$0	\$0	\$4,277,428
May 17	\$3,0390	\$0	\$3,0158	\$1,080,318	\$2,9824	\$2,744,447	\$3,0032	\$2,744,447	\$3,0521	\$0	\$0	\$4,608,038
Jun 17	\$2,9343	\$0	\$2,9182	\$1,808,882	\$2,8791	\$4,098,078	\$2,9183	\$1,188,357	\$2,9588	\$0	\$0	\$8,878,294
Jul 17	\$2,9088	\$0	\$2,8786	\$2,519,546	\$2,8378	\$6,427,988	\$2,8847	\$1,822,127	\$2,9159	\$0	\$0	\$10,788,642
Aug 17	\$2,8342	\$0	\$2,8055	\$2,543,971	\$2,7808	\$6,820,888	\$2,7902	\$1,837,234	\$2,8820	\$0	\$0	\$10,802,130
Sep 17	\$2,8788	\$0	\$2,8385	\$2,495,830	\$2,8108	\$6,391,108	\$2,8282	\$1,804,830	\$2,9038	\$0	\$0	\$10,691,888
Oct 17	\$2,8216	\$0	\$2,7890	\$2,736,048	\$2,7083	\$6,888,116	\$2,7886	\$1,990,648	\$2,8453	\$0	\$0	\$11,816,007
Total		\$0		\$26,630,528		\$40,568,684		\$12,386,342		\$0	\$0	\$88,828,562

**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 16	885,996	\$2,128,525	475,000	\$1,060,700	0	\$0	81,268	\$217,798	640,000	\$1,523,825
Dec 16	2,664,074	\$8,370,550	20,000	\$70,900	0	\$0	629,827	\$1,971,358	265,000	\$911,475
Jan 17	791,740	\$2,696,351	210,000	\$663,300	0	\$0	281,585	\$948,183	660,000	\$2,084,700
Feb 17	499,074	\$1,482,778	36,000	\$85,930	0	\$0	60,951	\$197,481	585,000	\$1,584,325
Mar 17	625,343	\$1,566,108	0	\$0	0	\$0	0	\$0	0	\$0
Apr 17	1,397,600	\$4,176,731	40,000	\$116,200	0	\$0	0	\$0	0	\$0
May 17	1,343,500	\$4,032,554	20,000	\$58,600	0	\$0	181,317	\$516,267	0	\$0
Jun 17	395,200	\$1,124,461	1,293,373	\$3,623,690	0	\$0	610,463	\$1,775,342	80,000	\$227,700
Jul 17	1,333,207	\$3,816,366	1,810,542	\$5,165,014	0	\$0	633,344	\$1,798,077	0	\$0
Aug 17	1,428,557	\$3,983,023	1,848,024	\$5,146,186	0	\$0	633,640	\$1,750,835	0	\$0
Sep 17	1,471,000	\$4,151,537	1,707,579	\$4,782,160	0	\$0	613,200	\$1,713,485	0	\$0
Oct 17	1,788,208	\$4,934,435	1,816,360	\$4,918,078	0	\$0	624,880	\$1,724,598	0	\$0
	14,633,499	\$42,442,419	9,276,878	\$25,690,758	0	\$0	4,350,475	\$12,613,194	2,230,000	\$6,332,025

Column	11	12
	TOTAL TRANSPORT GAS (1+3+5+7+9)	TOTAL GAS COMMODITY COSTS (2+4+6+8+10)
Nov 16	2,082,284	\$4,930,848
Dec 16	3,578,901	\$11,324,283
Jan 17	1,943,325	\$6,391,504
Feb 17	1,181,025	\$3,330,514
Mar 17	625,343	\$1,566,108
Apr 17	1,437,600	\$4,292,931
May 17	1,544,817	\$4,607,421
Jun 17	2,379,036	\$6,751,193
Jul 17	3,777,093	\$10,779,467
Aug 17	3,910,221	\$10,879,844
Sep 17	3,791,779	\$10,647,182
Oct 17	4,239,448	\$11,577,111
Total	30,490,852	\$87,078,396

**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 16	\$5,148,202	\$4,930,848	\$217,354
Dec 16	\$12,111,123	\$11,324,283	\$786,840
Jan 17	\$6,732,477	\$6,391,504	\$340,973
Feb 17	\$3,431,249	\$3,330,514	\$100,735
Mar 17	\$1,664,296	\$1,566,108	\$98,188
Apr 17	\$4,277,426	\$4,292,931	(\$15,505)
May 17	\$4,606,038	\$4,607,421	(\$1,383)
Jun 17	\$6,876,294	\$6,751,193	\$125,101
Jul 17	\$10,769,642	\$10,779,457	(\$9,815)
Aug 17	\$10,902,130	\$10,879,844	\$22,286
Sep 17	\$10,691,668	\$10,647,182	\$44,486
Oct 17	\$11,615,007	\$11,577,111	\$37,896
Total	\$88,825,552	\$87,078,396	\$1,747,156

**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. 16	\$2.3525	\$2.3867	\$2.6700	\$2.4697
Dec. 16	\$3.4675	\$3.4339	\$3.1500	\$3.3505
Jan. 17	\$3.2980	\$3.2107	\$3.8700	\$3.4596
Feb. 17	\$2.7650	\$2.7194	\$3.3000	\$2.9281
Mar. 17	\$2.7500	\$2.7417	\$2.5100	\$2.6672
Apr. 17	\$3.0175	\$2.9865	\$3.0600	\$3.0213
May 17	\$3.0540	\$3.0231	\$3.0400	\$3.0390
Jun. 17	\$2.8625	\$2.8104	\$3.1300	\$2.9343
Jul. 17	\$2.8980	\$2.8577	\$2.9700	\$2.9086
Aug. 17	\$2.8400	\$2.8125	\$2.8500	\$2.8342
Sep. 17	\$2.9025	\$2.8739	\$2.8600	\$2.8788
Oct. 17	\$2.8280	\$2.7769	\$2.8600	\$2.8216

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
11/07/2016	\$2.2100			05/01/2017	\$2.9900		
11/14/2016	\$2.0500			05/08/2017	\$3.0000		
11/21/2016	\$2.4600			05/15/2017	\$3.1200		
11/28/2016	\$2.6900	\$2.3525		05/22/2017	\$3.1100		
				05/29/2017	\$3.0500	\$3.0540	
12/05/2016	\$3.2700						
12/12/2016	\$3.6700			06/05/2017	\$2.8700		
12/19/2016	\$3.4500			06/12/2017	\$2.9000		
12/26/2016	\$3.4800	\$3.4675		06/19/2017	\$2.8900		
				06/26/2017	\$2.7900	\$2.8625	
01/02/2017	\$3.5600						
01/09/2017	\$3.3500			07/03/2017	\$2.8700		
01/16/2017	\$3.2200			07/10/2017	\$2.8400		
01/23/2017	\$3.1700			07/17/2017	\$2.9000		
01/30/2017	\$3.1900	\$3.2980		07/24/2017	\$3.0000		
				07/31/2017	\$2.8800	\$2.8980	
02/06/2017	\$2.9700						
02/13/2017	\$2.8900			08/07/2017	\$2.7200		
02/20/2017	\$2.7000			08/14/2017	\$2.8500		
02/27/2017	\$2.5000	\$2.7650		08/23/2017	\$2.8900		
				08/30/2017	\$2.9000	\$2.8400	
03/06/2017	\$2.4900						
03/13/2017	\$2.8000			09/04/2017	\$2.8800		
03/20/2017	\$2.8200			09/11/2017	\$2.8000		
03/27/2017	\$2.8900	\$2.7500		09/18/2017	\$2.9400		
				09/25/2017	\$2.9900	\$2.9025	
04/04/2017	\$3.0000						
04/11/2017	\$3.1200			10/02/2017	\$2.8700		
04/18/2017	\$2.9600			10/09/2017	\$2.8300		
04/25/2017	\$2.9900	\$3.0175		10/16/2017	\$2.8900		
				10/23/2017	\$2.7600		
				10/30/2017	\$2.7900	\$2.83	

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

NOVEMBER 2016		DECEMBER 2016		JANUARY 2017		FEBRUARY 2017		MARCH 2017		APRIL 2017	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 2.5800	\$ 3.2450	\$ 3.5350	1	\$ 2.9200	\$ 2.4500	\$ 2.9700				
2	\$ -	\$ -	\$ 3.5350	2	\$ 3.0000	\$ 2.5400	\$ 2.9700				
3	\$ 2.1500	\$ 3.2400	\$ 3.5350	3	\$ 3.0200	\$ 2.4900	\$ 2.9700				
4	\$ 2.2600	\$ 3.2400	\$ 3.3500	4	\$ 2.9100	\$ 2.4750	\$ 2.9150				
5	\$ 2.0700	\$ 3.2400	\$ 3.2850	5	\$ 2.9100	\$ 2.4750	\$ 3.0050				
6	\$ 2.0700	\$ 3.5300	\$ 3.2200	6	\$ 2.9100	\$ 2.4750	\$ 3.1200				
7	\$ 2.0700	\$ -	\$ 3.2500	7	\$ 2.8000	\$ -	\$ 3.1050				
8	\$ -	\$ 3.7000	\$ 3.2500	8	\$ 2.9200	\$ 2.5400	\$ 3.1050				
9	\$ 2.2200	\$ 3.5850	\$ 3.2500	9	\$ 2.9800	\$ 2.6400	\$ 3.1050				
10	\$ -	\$ -	\$ 3.0700	10	\$ 2.9900	\$ -	\$ 3.1050				
11	\$ 1.9500	\$ -	\$ 3.1000	11	\$ 2.8050	\$ 2.9050	\$ 3.0350				
12	\$ 1.9300	\$ -	\$ 3.1600	12	\$ 2.8050	\$ 2.9050	\$ -				
13	\$ 1.9300	\$ -	\$ 3.2300	13	\$ 2.8050	\$ 2.9050	\$ 2.8900				
14	\$ 1.9300	\$ -	\$ 3.2300	14	\$ -	\$ -	\$ -				
15	\$ 2.1600	\$ 3.5250	\$ 3.2300	15	\$ 2.8000	\$ 2.9850	\$ -				
16	\$ 2.4000	\$ 3.4900	\$ 3.2300	16	\$ -	\$ -	\$ -				
17	\$ 2.4800	\$ 3.4150	\$ 3.2300	17	\$ 2.6600	\$ -	\$ -				
18	\$ 2.2200	\$ 3.4150	\$ 3.2300	18	\$ 2.6200	\$ -	\$ 2.9800				
19	\$ 2.5200	\$ 3.4150	\$ 3.1250	19	\$ 2.6200	\$ -	\$ 2.9900				
20	\$ 2.5200	\$ 3.4650	\$ 3.0800	20	\$ 2.6200	\$ -	\$ 3.0300				
21	\$ 2.5200	\$ 3.2650	\$ 3.0900	21	\$ 2.6200	\$ -	\$ -				
22	\$ 2.7200	\$ -	\$ 3.0900	22	\$ 2.4200	\$ 2.9800	\$ 2.9300				
23	\$ 2.6600	\$ -	\$ 3.0900	23	\$ 2.4000	\$ 2.9400	\$ 2.9300				
24	\$ 2.6500	\$ 3.5100	\$ 3.0400	24	\$ 2.4500	\$ -	\$ 2.9300				
25	\$ 2.6500	\$ 3.5100	\$ 3.1400	25	\$ 2.4450	\$ -	\$ 2.8600				
26	\$ 2.6500	\$ 3.5100	\$ 3.1600	26	\$ 2.4450	\$ -	\$ 2.8700				
27	\$ 2.6500	\$ 3.5100	\$ -	27	\$ 2.4450	\$ -	\$ 3.0100				
28	\$ 2.6500	\$ -	\$ 3.1700	28	\$ 2.3850	\$ 2.8550	\$ 2.9500				
29	\$ 2.8300	\$ -	\$ 3.1700	29		\$ 2.8900	\$ 2.9500				
30	\$ 3.0000	\$ -	\$ 3.1700	30		\$ 2.9700	\$ 2.9500				
31		\$ -	\$ 3.0750	31		\$ 2.9500					
TOTAL	\$ 64.4400	\$ 61.8100	\$ 96.3200	TOTAL	\$ 70.7050	\$ 49.3500	\$ 71.6750				
POSTINGS	27	18	30	POSTINGS	26	18	24				
AVERAGE	\$ 2.3867	\$ 3.4339	\$ 3.2107	AVERAGE	\$ 2.7194	\$ 2.7417	\$ 2.9865				

MAY 2017		JUNE 2017		JULY 2017		AUGUST 2017		SEPTEMBER 2017		OCTOBER 2017	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 3.0200	\$ 2.8500	\$ 2.8200	1	\$ -	\$ 2.7550	\$ 2.7350				
2	\$ 3.0200	\$ 2.7650	\$ 2.8200	2	\$ -	\$ -	\$ 2.7350				
3	\$ 3.0100	\$ 2.7550	\$ 2.8200	3	\$ -	\$ -	\$ -				
4	\$ 2.9700	\$ 2.7550	\$ 2.8200	4	\$ -	\$ -	\$ -				
5	\$ -	\$ 2.7550	\$ 2.8200	5	\$ -	\$ -	\$ 2.7200				
6	\$ 2.9500	\$ 2.8200	\$ -	6	\$ -	\$ -	\$ -				
7	\$ 2.9500	\$ 2.8400	\$ 2.7450	7	\$ -	\$ -	\$ 2.7200				
8	\$ 2.9500	\$ 2.8850	\$ 2.7450	8	\$ -	\$ -	\$ 2.7200				
9	\$ -	\$ 2.7750	\$ 2.7450	9	\$ -	\$ -	\$ 2.7200				
10	\$ 2.9600	\$ 2.8300	\$ 2.7450	10	\$ 2.7700	\$ -	\$ -				
11	\$ 3.0400	\$ 2.8300	\$ 2.8300	11	\$ 2.7800	\$ -	\$ -				
12	\$ 3.1000	\$ 2.8300	\$ 2.9300	12	\$ 2.8500	\$ -	\$ 2.7800				
13	\$ 3.1400	\$ 2.9300	\$ 2.8800	13	\$ 2.8500	\$ -	\$ 2.8100				
14	\$ 3.1400	\$ 2.8200	\$ -	14	\$ 2.8500	\$ -	\$ 2.8550				
15	\$ 3.1400	\$ 2.7700	\$ 2.8500	15	\$ -	\$ 2.9000	\$ 2.8550				
16	\$ -	\$ 2.8000	\$ 2.8500	16	\$ 2.8300	\$ 2.8450	\$ 2.8550				
17	\$ 3.0800	\$ 2.8400	\$ 2.8500	17	\$ -	\$ 2.8450	\$ -				
18	\$ 3.0500	\$ 2.8400	\$ 2.9400	18	\$ -	\$ 2.8450	\$ -				
19	\$ 3.0400	\$ 2.8400	\$ -	19	\$ -	\$ -	\$ -				
20	\$ 3.0400	\$ 2.8400	\$ 3.0100	20	\$ -	\$ -	\$ -				
21	\$ 3.0400	\$ 2.7100	\$ 3.0100	21	\$ -	\$ 3.0300	\$ -				
22	\$ 3.0400	\$ -	\$ 2.9400	22	\$ -	\$ 2.9600	\$ -				
23	\$ -	\$ 2.7200	\$ 2.9400	23	\$ -	\$ -	\$ -				
24	\$ 3.0900	\$ -	\$ 2.9400	24	\$ -	\$ -	\$ -				
25	\$ 3.0000	\$ -	\$ -	25	\$ -	\$ -	\$ -				
26	\$ -	\$ -	\$ 2.8500	26	\$ -	\$ 2.9250	\$ -				
27	\$ 2.9700	\$ -	\$ -	27	\$ -	\$ -	\$ 2.7600				
28	\$ 2.9700	\$ 2.8400	\$ 2.8500	28	\$ -	\$ 2.7600	\$ -				
29	\$ 2.9700	\$ -	\$ 2.8500	29	\$ 2.8000	\$ -	\$ -				
30	\$ 2.9700	\$ -	\$ 2.8500	30	\$ -	\$ -	\$ -				
31	\$ 2.9500	\$ -	\$ 2.8500	31	\$ 2.7700	\$ -	\$ 2.8350				
TOTAL	\$ 78.6000	\$ 64.6400	\$ 74.3000	TOTAL	\$ 22.5000	\$ 25.8650	\$ 36.1000				
POSTINGS	26	23	26	POSTINGS	8	9	13				
AVERAGE	\$ 3.0231	\$ 2.8104	\$ 2.8577	AVERAGE	\$ 2.8125	\$ 2.8739	\$ 2.7769				

**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. 16	\$2.3675	\$2.3750	\$2.6600	\$2.4675
Dec. 16	\$3.4425	\$3.4818	\$3.1400	\$3.3548
Jan. 17	\$3.2580	\$3.2053	\$3.8600	\$3.4411
Feb. 17	\$2.7275	\$2.7232	\$3.2900	\$2.9136
Mar. 17	\$2.7425	\$2.7695	\$2.5000	\$2.6707
Apr. 17	\$2.9725	\$2.9757	\$3.0600	\$3.0027
May 17	\$3.0100	\$3.0169	\$3.0200	\$3.0156
Jun. 17	\$2.8250	\$2.8035	\$3.1200	\$2.9162
Jul. 17	\$2.8480	\$2.8516	\$2.9300	\$2.8765
Aug. 17	\$2.7825	\$2.7940	\$2.8400	\$2.8055
Sep. 17	\$2.8225	\$2.8430	\$2.8500	\$2.8385
Oct. 17	\$2.7600	\$2.7489	\$2.8400	\$2.7830

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
11/07/2016	\$2.2900		05/01/2017	\$2.9600	
11/14/2016	\$2.0500		05/08/2017	\$2.9600	
11/21/2016	\$2.4800		05/15/2017	\$3.0900	
11/28/2016	\$2.6500	\$2.3675	05/22/2017	\$3.0500	
			05/29/2017	\$2.9900	\$3.0100
12/05/2016	\$3.2100				
12/12/2016	\$3.6600		06/05/2017	\$2.8400	
12/19/2016	\$3.4500		06/12/2017	\$2.8600	
12/26/2016	\$3.4500	\$3.4425	06/19/2017	\$2.8600	
			06/26/2017	\$2.7400	\$2.8250
01/02/2017	\$3.5400				
01/09/2017	\$3.2900		07/03/2017	\$2.8200	
01/16/2017	\$3.1800		07/10/2017	\$2.7800	
01/23/2017	\$3.1200		07/17/2017	\$2.8500	
01/30/2017	\$3.1600	\$3.2580	07/24/2017	\$2.9600	
			07/31/2017	\$2.8300	\$2.8480
02/06/2017	\$2.9800				
02/13/2017	\$2.8400		08/07/2017	\$2.7000	
02/20/2017	\$2.6600		08/14/2017	\$2.7600	
02/27/2017	\$2.4300	\$2.7275	08/23/2017	\$2.8400	
			08/30/2017	\$2.8300	\$2.7825
03/06/2017	\$2.4900				
03/13/2017	\$2.8200		09/04/2017	\$2.8000	
03/20/2017	\$2.8100		09/11/2017	\$2.7500	
03/27/2017	\$2.8500	\$2.7425	09/18/2017	\$2.8200	
			09/25/2017	\$2.9200	\$2.8225
04/04/2017	\$2.9300				
04/11/2017	\$3.0600		10/02/2017	\$2.8100	
04/18/2017	\$2.9400		10/09/2017	\$2.7300	
04/25/2017	\$2.9600	\$2.9725	10/16/2017	\$2.8200	
			10/23/2017	\$2.6900	
			10/30/2017	\$2.7500	\$2.76

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

NOVEMBER 2016		DECEMBER 2016		JANUARY 2017		FEBRUARY 2017		MARCH 2017		APRIL 2017	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 2.5450	\$ 3.2400	\$ 3.5000	1	\$ 2.9200	\$ 2.4550	\$ 2.9700				
2	\$ 2.3250	\$ 3.3000	\$ 3.5000	2	\$ 3.0100	\$ 2.5300	\$ 2.9700				
3	\$ 2.2200	\$ 3.3250	\$ 3.5000	3	\$ 3.0200	\$ 2.5300	\$ 2.9700				
4	\$ 2.2650	\$ 3.3250	\$ 3.3050	4	\$ 2.8950	\$ 2.4800	\$ 2.9200				
5	\$ 2.0800	\$ 3.3250	\$ 3.2700	5	\$ 2.8950	\$ 2.4800	\$ 3.0150				
6	\$ 2.0800	\$ 3.5250	\$ 3.2300	6	\$ 2.8950	\$ 2.4800	\$ 3.1350				
7	\$ 2.0800	\$ 3.6200	\$ 3.2550	7	\$ 2.8200	\$ 2.6200	\$ 3.1150				
8	\$ 2.2350	\$ 3.7050	\$ 3.2550	8	\$ 2.9300	\$ 2.5400	\$ 3.0850				
9	\$ 2.2150	\$ 3.6150	\$ 3.2550	9	\$ 2.9750	\$ 2.6600	\$ 3.0850				
10	\$ 2.1150	\$ 3.6750	\$ 3.0000	10	\$ 2.9650	\$ 2.7700	\$ 3.0850				
11	\$ 1.9800	\$ 3.6750	\$ 3.1150	11	\$ 2.8300	\$ 2.9100	\$ 3.0350				
12	\$ 1.9500	\$ 3.6750	\$ 3.1650	12	\$ 2.8300	\$ 2.9100	\$ 2.9350				
13	\$ 1.9500	\$ 3.5050	\$ 3.2300	13	\$ 2.8300	\$ 2.9100	\$ 2.9050				
14	\$ 1.9500	\$ 3.5200	\$ 3.2200	14	\$ 2.8050	\$ 2.9900	\$ 2.9100				
15	\$ 2.1950	\$ 3.4900	\$ 3.2200	15	\$ 2.8050	\$ 2.9800	\$ 2.9100				
16	\$ 2.4000	\$ 3.5050	\$ 3.2200	16	\$ 2.8000	\$ 2.9200	\$ 2.9100				
17	\$ 2.4050	\$ 3.4250	\$ 3.2200	17	\$ 2.6750	\$ 2.7600	\$ 2.9100				
18	\$ 2.2250	\$ 3.4250	\$ 3.1950	18	\$ 2.6250	\$ 2.7300	\$ 2.9750				
19	\$ 2.5100	\$ 3.4250	\$ 3.1250	19	\$ 2.6250	\$ 2.7300	\$ 2.9850				
20	\$ 2.5100	\$ 3.4700	\$ 3.0800	20	\$ 2.6250	\$ 2.7300	\$ 3.0550				
21	\$ 2.5100	\$ 3.2600	\$ 3.0900	21	\$ 2.6250	\$ 2.8450	\$ 2.9950				
22	\$ 2.7250	\$ 3.4200	\$ 3.0900	22	\$ 2.4250	\$ 2.9750	\$ 2.9300				
23	\$ 2.6650	\$ 3.4500	\$ 3.0900	23	\$ 2.4250	\$ 2.8850	\$ 2.9300				
24	\$ 2.6450	\$ 3.4650	\$ 3.0300	24	\$ 2.4400	\$ 2.8400	\$ 2.9300				
25	\$ 2.6450	\$ 3.4650	\$ 3.1300	25	\$ 2.3850	\$ 2.8400	\$ 2.8650				
26	\$ 2.6450	\$ 3.4650	\$ 3.1650	26	\$ 2.3850	\$ 2.8400	\$ 2.8650				
27	\$ 2.6450	\$ 3.4650	\$ 3.3150	27	\$ 2.3850	\$ 2.8400	\$ 2.9500				
28	\$ 2.6450	\$ 3.5000	\$ 3.1700	28	\$ 2.4050	\$ 2.8700	\$ 2.9750				
29	\$ 2.8900	\$ 3.5050	\$ 3.1700	29		\$ 2.8800	\$ 2.9750				
30	\$ 3.0000	\$ 3.5850	\$ 3.1700	30		\$ 2.9750	\$ 2.9750				
31		\$ 3.5850	\$ 3.0850	31		\$ 2.9500					
TOTAL	\$ 71.2500	\$ 107.9350	\$ 99.3650	TOTAL	\$ 76.2500	\$ 85.8550	\$ 89.2700				
POSTINGS	30	31	31	POSTINGS	28	31	30				
AVERAGE	\$ 2.3750	\$ 3.4818	\$ 3.2053	AVERAGE	\$ 2.7232	\$ 2.7695	\$ 2.9757				

MAY 2017			JUNE 2017			JULY 2017			AUGUST 2017			SEPTEMBER 2017			OCTOBER 2017		
DAY	MIDPOINT		MIDPOINT		MIDPOINT	DAY	MIDPOINT		MIDPOINT		MIDPOINT		MIDPOINT		MIDPOINT		
1	\$ 3.0050		\$ 2.8350		\$ 2.8100	1	\$ 2.7500		\$ 2.7750		\$ 2.7350		\$ 2.7350		\$ 2.7350		
2	\$ 3.0150		\$ 2.7850		\$ 2.8100	2	\$ 2.6850		\$ 2.8100		\$ 2.7350		\$ 2.8100		\$ 2.7350		
3	\$ 3.0000		\$ 2.7350		\$ 2.8100	3	\$ 2.7100		\$ 2.8100		\$ 2.6700		\$ 2.8100		\$ 2.6700		
4	\$ 2.9650		\$ 2.7350		\$ 2.8100	4	\$ 2.7450		\$ 2.8100		\$ 2.6400		\$ 2.8100		\$ 2.6400		
5	\$ 2.9800		\$ 2.7350		\$ 2.8100	5	\$ 2.6900		\$ 2.8100		\$ 2.7300		\$ 2.8100		\$ 2.7300		
6	\$ 2.9500		\$ 2.8150		\$ 2.7750	6	\$ 2.6900		\$ 2.7600		\$ 2.8200		\$ 2.7600		\$ 2.8200		
7	\$ 2.9500		\$ 2.8200		\$ 2.7600	7	\$ 2.6900		\$ 2.8050		\$ 2.7200		\$ 2.7900		\$ 2.7200		
8	\$ 2.9500		\$ 2.8600		\$ 2.7600	8	\$ 2.7000		\$ 2.7900		\$ 2.7200		\$ 2.7000		\$ 2.7200		
9	\$ 2.9150		\$ 2.7850		\$ 2.7600	9	\$ 2.7000		\$ 2.7050		\$ 2.7200		\$ 2.7050		\$ 2.7200		
10	\$ 2.9550		\$ 2.8500		\$ 2.7600	10	\$ 2.7750		\$ 2.7050		\$ 2.7200		\$ 2.7050		\$ 2.7200		
11	\$ 3.0400		\$ 2.8500		\$ 2.8100	11	\$ 2.8050		\$ 2.7050		\$ 2.7750		\$ 2.7050		\$ 2.7750		
12	\$ 3.0900		\$ 2.8500		\$ 2.9000	12	\$ 2.8600		\$ 2.7450		\$ 2.7850		\$ 2.7450		\$ 2.7850		
13	\$ 3.1400		\$ 2.9500		\$ 2.8900	13	\$ 2.8600		\$ 2.8150		\$ 2.8050		\$ 2.8150		\$ 2.8050		
14	\$ 3.1400		\$ 2.8550		\$ 2.8350	14	\$ 2.8600		\$ 2.8650		\$ 2.8400		\$ 2.8650		\$ 2.8400		
15	\$ 3.1400		\$ 2.7700		\$ 2.8350	15	\$ 2.8850		\$ 2.9050		\$ 2.8400		\$ 2.8850		\$ 2.8400		
16	\$ 3.1300		\$ 2.8350		\$ 2.8350	16	\$ 2.8500		\$ 2.8500		\$ 2.8400		\$ 2.8500		\$ 2.8400		
17	\$ 3.0800		\$ 2.8400		\$ 2.8350	17	\$ 2.8250		\$ 2.8500		\$ 2.7250		\$ 2.8250		\$ 2.7250		
18	\$ 3.0400		\$ 2.8400		\$ 2.9400	18	\$ 2.8250		\$ 2.8500		\$ 2.7650		\$ 2.8250		\$ 2.7650		
19	\$ 3.0150		\$ 2.8400		\$ 2.9950	19	\$ 2.8250		\$ 3.0000		\$ 2.6950		\$ 2.8250		\$ 2.6950		
20	\$ 3.0400		\$ 2.7400		\$ 3.0100	20	\$ 2.8250		\$ 3.0300		\$ 2.7000		\$ 2.8250		\$ 2.7000		
21	\$ 3.0400		\$ 2.7500		\$ 3.0100	21	\$ 2.8250		\$ 3.0350		\$ 2.6500		\$ 2.8250		\$ 2.6500		
22	\$ 3.0400		\$ 2.7550		\$ 2.9400	22	\$ 2.8950		\$ 2.9550		\$ 2.6500		\$ 2.8950		\$ 2.6500		
23	\$ 3.0950		\$ 2.7200		\$ 2.9400	23	\$ 2.8800		\$ 2.8750		\$ 2.6500		\$ 2.8800		\$ 2.6500		
24	\$ 3.0850		\$ 2.7300		\$ 2.9400	24	\$ 2.8350		\$ 2.8750		\$ 2.8500		\$ 2.8350		\$ 2.8500		
25	\$ 2.9900		\$ 2.7300		\$ 2.8550	25	\$ 2.8600		\$ 2.8750		\$ 2.8600		\$ 2.8600		\$ 2.8600		
26	\$ 2.9600		\$ 2.7300		\$ 2.8600	26	\$ 2.8000		\$ 2.8950		\$ 2.8500		\$ 2.8000		\$ 2.8500		
27	\$ 2.9750		\$ 2.8250		\$ 2.8200	27	\$ 2.8000		\$ 2.8600		\$ 2.7850		\$ 2.8000		\$ 2.7850		
28	\$ 2.9750		\$ 2.8200		\$ 2.8250	28	\$ 2.8000		\$ 2.8750		\$ 2.7050		\$ 2.8000		\$ 2.7050		
29	\$ 2.9750		\$ 2.8550		\$ 2.8200	29	\$ 2.8100		\$ 2.8250		\$ 2.7050		\$ 2.8100		\$ 2.7050		
30	\$ 2.9750		\$ 2.8650		\$ 2.8200	30	\$ 2.7800		\$ 2.8250		\$ 2.7050		\$ 2.7800		\$ 2.7050		
31	\$ 2.8950				\$ 2.8200	31	\$ 2.7750				\$ 2.8250				\$ 2.8250		
TOTAL	\$ 93.5250		\$ 84.1050		\$ 88.4000	TOTAL	\$ 86.6150		\$ 85.2900		\$ 85.2150		\$ 85.2900		\$ 85.2150		
POSTINGS	31		30		31	POSTINGS	31		30		31		30		31		
AVERAGE	\$ 3.0169		\$ 2.8035		\$ 2.8516	AVERAGE	\$ 2.7940		\$ 2.8430		\$ 2.7489		\$ 2.8430		\$ 2.7489		

**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. 16	\$2.3400	\$2.3717	\$2.7200	\$2.4772
Dec. 16	\$3.5025	\$3.5233	\$3.2400	\$3.4219
Jan. 17	\$3.2880	\$3.2163	\$3.9800	\$3.4948
Feb. 17	\$2.7175	\$2.6904	\$3.2900	\$2.8993
Mar. 17	\$2.7275	\$2.7506	\$2.4800	\$2.6527
Apr. 17	\$2.9675	\$2.9030	\$3.0100	\$2.9602
May 17	\$2.9660	\$2.9811	\$2.9400	\$2.9624
Jun. 17	\$2.7850	\$2.7742	\$3.0600	\$2.8731
Jul. 17	\$2.8100	\$2.8134	\$2.8900	\$2.8378
Aug. 17	\$2.7750	\$2.7673	\$2.8000	\$2.7808
Sep. 17	\$2.8200	\$2.8019	\$2.8100	\$2.8106
Oct. 17	\$2.6840	\$2.6738	\$2.7700	\$2.7093

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
11/07/2016	\$2.2000		05/01/2017	\$2.8900	
11/14/2016	\$2.0700		05/08/2017	\$2.9400	
11/21/2016	\$2.4400		05/15/2017	\$3.0400	
11/28/2016	\$2.6500	\$2.3400	05/22/2017	\$3.0000	
			05/29/2017	\$2.9600	\$2.9660
12/05/2016	\$3.2900				
12/12/2016	\$3.7100		06/05/2017	\$2.7700	
12/19/2016	\$3.6000		06/12/2017	\$2.8300	
12/26/2016	\$3.4100	\$3.5025	06/19/2017	\$2.8300	
			06/26/2017	\$2.7100	\$2.7850
01/02/2017	\$3.5700				
01/09/2017	\$3.3400		07/03/2017	\$2.7500	
01/16/2017	\$3.2300		07/10/2017	\$2.7200	
01/23/2017	\$3.1400		07/17/2017	\$2.8300	
01/30/2017	\$3.1600	\$3.2880	07/24/2017	\$2.9400	
			07/31/2017	\$2.8100	\$2.8100
02/06/2017	\$2.9400				
02/13/2017	\$2.8200		08/07/2017	\$2.6900	
02/20/2017	\$2.6300		08/14/2017	\$2.7900	
02/27/2017	\$2.4800	\$2.7175	08/23/2017	\$2.8100	
			08/30/2017	\$2.8100	\$2.7750
03/06/2017	\$2.4900				
03/13/2017	\$2.8600		09/04/2017	\$2.8100	
03/20/2017	\$2.7500		09/11/2017	\$2.7300	
03/27/2017	\$2.8100	\$2.7275	09/18/2017	\$2.8200	
			09/25/2017	\$2.9200	\$2.8200
04/04/2017	\$2.9100				
04/11/2017	\$3.0700		10/02/2017	\$2.7300	
04/18/2017	\$2.9900		10/09/2017	\$2.6500	
04/25/2017	\$2.9000	\$2.9675	10/16/2017	\$2.6800	
			10/23/2017	\$2.6800	
			10/30/2017	\$2.6800	\$2.6840

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

NOVEMBER 2016		DECEMBER 2016		JANUARY 2017		FEBRUARY 2017		MARCH 2017		APRIL 2017	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 2.5300	\$ 3.2400	\$ 3.6000	\$ 2.9100	1	\$ 2.9100	\$ 2.4550	\$ 2.9050			
2	\$ 2.2300	\$ 3.3450	\$ 3.6000	\$ -	2	\$ -	\$ 2.5400	\$ 2.9050			
3	\$ 2.1450	\$ 3.3100	\$ 3.6000	\$ 3.0050	3	\$ 3.0050	\$ 2.5300	\$ 2.9050			
4	\$ 2.2500	\$ 3.3100	\$ 3.4300	\$ 2.8900	4	\$ 2.8900	\$ 2.4900	\$ 2.8900			
5	\$ 2.0650	\$ 3.3100	\$ 3.4100	\$ 2.8900	5	\$ 2.8900	\$ 2.4900	\$ 2.9450			
6	\$ 2.0650	\$ 3.6050	\$ 3.2500	\$ 2.8900	6	\$ 2.8900	\$ 2.4900	\$ 3.1000			
7	\$ 2.0650	\$ 3.6550	\$ 3.2550	\$ 2.8150	7	\$ 2.8150	\$ 2.6100	\$ 3.0900			
8	\$ 2.2300	\$ 3.7500	\$ 3.2550	\$ 2.9300	8	\$ 2.9300	\$ 2.5300	\$ 2.9800			
9	\$ 2.2000	\$ 3.6400	\$ 3.2550	\$ 2.9650	9	\$ 2.9650	\$ 2.6450	\$ 2.9800			
10	\$ 2.1150	\$ 3.7150	\$ 3.0000	\$ 3.0000	10	\$ 3.0000	\$ 2.8000	\$ 2.9800			
11	\$ 1.9500	\$ 3.7150	\$ 3.0900	\$ 2.7350	11	\$ 2.7350	\$ 2.9150	\$ 2.9350			
12	\$ 1.8400	\$ 3.7150	\$ 3.1400	\$ 2.7350	12	\$ 2.7350	\$ 2.9150	\$ 2.8650			
13	\$ 1.9400	\$ 3.5500	\$ 3.2250	\$ 2.7350	13	\$ 2.7350	\$ 2.9150	\$ 2.8750			
14	\$ 1.9400	\$ 3.5900	\$ 3.2250	\$ 2.8100	14	\$ 2.8100	\$ 2.9800	\$ 2.8500			
15	\$ 2.1900	\$ 3.5450	\$ 3.2250	\$ 2.8000	15	\$ 2.8000	\$ 2.9750	\$ 2.8500			
16	\$ 2.3850	\$ -	\$ 3.2250	\$ 2.8050	16	\$ 2.8050	\$ 2.9100	\$ 2.8500			
17	\$ 2.3650	\$ 3.6500	\$ 3.2250	\$ 2.6750	17	\$ 2.6750	\$ 2.7550	\$ 2.8500			
18	\$ 2.2450	\$ 3.6500	\$ 3.1950	\$ 2.6000	18	\$ 2.6000	\$ 2.7050	\$ 2.8900			
19	\$ 2.5250	\$ 3.6500	\$ 3.0950	\$ 2.6000	19	\$ 2.6000	\$ 2.7050	\$ 2.8700			
20	\$ 2.5250	\$ 3.5350	\$ 3.0750	\$ 2.6000	20	\$ 2.6000	\$ 2.7050	\$ 2.9550			
21	\$ 2.5250	\$ 3.2900	\$ 3.0600	\$ 2.6000	21	\$ 2.6000	\$ 2.8250	\$ 2.9300			
22	\$ 2.7650	\$ 3.3900	\$ 3.0600	\$ 2.3950	22	\$ 2.3950	\$ 2.9550	\$ 2.8150			
23	\$ 2.7350	\$ 3.4600	\$ 3.0600	\$ 2.3650	23	\$ 2.3650	\$ 2.8650	\$ 2.8150			
24	\$ 2.6500	\$ 3.4650	\$ 3.0000	\$ 2.4250	24	\$ 2.4250	\$ 2.7750	\$ 2.8150			
25	\$ 2.6500	\$ 3.4650	\$ 3.1300	\$ 2.3600	25	\$ 2.3600	\$ 2.7800	\$ 2.8200			
26	\$ 2.6500	\$ 3.4650	\$ 3.1150	\$ 2.3600	26	\$ 2.3600	\$ 2.7800	\$ 2.8050			
27	\$ 2.6500	\$ 3.4650	\$ 3.3150	\$ 2.3600	27	\$ 2.3600	\$ 2.7800	\$ 2.9050			
28	\$ 2.6500	\$ 3.5500	\$ 3.1700	\$ 2.3850	28	\$ 2.3850	\$ 2.8100	\$ 2.9050			
29	\$ 2.9300	\$ 3.5000	\$ 3.1700		29	\$ 2.8300	\$ 2.8300	\$ 2.9050			
30	\$ 3.0450	\$ 3.5850	\$ 3.1700		30	\$ 2.9100	\$ 2.9100	\$ 2.9050			
31		\$ 3.5850	\$ 3.0800		31	\$ 2.9000	\$ 2.9000				
TOTAL	\$ 71.1500	\$ 105.7000	\$ 99.7050	TOTAL	\$ 72.6400	\$ 85.2700	\$ 87.0900				
POSTINGS	30	30	31	POSTINGS	27	31	30				
AVERAGE	\$ 2.3717	\$ 3.5233	\$ 3.2163	AVERAGE	\$ 2.6904	\$ 2.7506	\$ 2.9030				

MAY 2017		JUNE 2017		JULY 2017		AUGUST 2017		SEPTEMBER 2017		OCTOBER 2017	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT		
1	\$ 2.9050	\$ 2.7800	\$ 2.7200	1	\$ 2.7400	\$ 2.7700	\$ 2.6350				
2	\$ 2.9400	\$ 2.7150	\$ 2.7200	2	\$ 2.6750	\$ 2.7900	\$ 2.6350				
3	\$ 2.9550	\$ 2.6600	\$ 2.7200	3	\$ 2.7250	\$ 2.7900	\$ 2.5850				
4	\$ 2.9450	\$ 2.6600	\$ 2.7200	4	\$ 2.7300	\$ 2.7900	\$ 2.5050				
5	\$ 2.9300	\$ 2.6600	\$ 2.7200	5	\$ 2.6550	\$ 2.7900	\$ 2.6650				
6	\$ 2.9300	\$ 2.8100	\$ 2.7600	6	\$ 2.6550	\$ 2.7550	\$ 2.7600				
7	\$ 2.9300	\$ 2.8200	\$ 2.7100	7	\$ 2.6550	\$ 2.7950	\$ 2.6400				
8	\$ 2.9300	\$ 2.8300	\$ 2.7300	8	\$ 2.6550	\$ 2.7850	\$ 2.6400				
9	\$ 2.9000	\$ 2.7950	\$ 2.7300	9	\$ 2.6950	\$ 2.6600	\$ 2.6400				
10	\$ 2.9200	\$ 2.8200	\$ 2.7300	10	\$ 2.7600	\$ 2.6600	\$ 2.6300				
11	\$ 3.0250	\$ 2.8200	\$ 2.7750	11	\$ 2.7950	\$ 2.6600	\$ 2.6600				
12	\$ 3.0750	\$ 2.8200	\$ 2.8700	12	\$ 2.8400	\$ 2.7300	\$ 2.6950				
13	\$ 3.0750	\$ 2.9150	\$ 2.8450	13	\$ 2.8400	\$ 2.8250	\$ 2.6800				
14	\$ 3.0750	\$ 2.8400	\$ 2.8100	14	\$ 2.8400	\$ 2.8800	\$ 2.6850				
15	\$ 3.0750	\$ 2.7450	\$ 2.8100	15	\$ 2.8450	\$ 2.8750	\$ 2.6850				
16	\$ 3.0800	\$ 2.7500	\$ 2.8100	16	\$ 2.8450	\$ -	\$ 2.6850				
17	\$ 3.0450	\$ 2.8400	\$ 2.8100	17	\$ 2.7950	\$ -	\$ 2.7100				
18	\$ 3.0100	\$ 2.8400	\$ 2.9050	18	\$ 2.7850	\$ -	\$ 2.7400				
19	\$ 2.9750	\$ 2.8400	\$ 2.9750	19	\$ 2.7950	\$ 2.9450	\$ 2.6800				
20	\$ 2.9850	\$ 2.7550	\$ 2.9900	20	\$ 2.7950	\$ 2.9800	\$ 2.6350				
21	\$ 2.9850	\$ 2.7450	\$ 3.0050	21	\$ 2.7950	\$ 2.9800	\$ 2.5800				
22	\$ 2.9850	\$ 2.7700	\$ 2.9050	22	\$ 2.8100	\$ 2.8750	\$ 2.5800				
23	\$ 3.0650	\$ 2.7100	\$ 2.9050	23	\$ 2.9000	\$ 2.8050	\$ 2.5800				
24	\$ 3.0850	\$ 2.6800	\$ 2.9050	24	\$ 2.8050	\$ 2.8050	\$ -				
25	\$ 2.9650	\$ 2.6800	\$ 2.8200	25	\$ 2.8300	\$ 2.8050	\$ 2.8750				
26	\$ 2.9800	\$ 2.6800	\$ 2.8200	26	\$ 2.7400	\$ 2.8550	\$ 2.8000				
27	\$ 2.9350	\$ 2.7750	\$ 2.7850	27	\$ 2.7400	\$ 2.8100	\$ 2.8000				
28	\$ 2.9350	\$ 2.8050	\$ 2.8100	28	\$ 2.7400	\$ 2.7950	\$ 2.6550				
29	\$ 2.9350	\$ 2.8350	\$ 2.8000	29	\$ 2.7800	\$ 2.7200	\$ 2.6550				
30	\$ 2.9350	\$ 2.8300	\$ 2.8000	30	\$ 2.7600	\$ 2.7200	\$ 2.6550				
31	\$ 2.9050		\$ 2.8000	31	\$ 2.7650		\$ 2.8450				
TOTAL	\$ 92.4150	\$ 83.2250	\$ 87.2150	TOTAL	\$ 85.7850	\$ 75.6500	\$ 80.2150				
POSTINGS	31	30	31	POSTINGS	31	27	30				
AVERAGE	\$ 2.9811	\$ 2.7742	\$ 2.8134	AVERAGE	\$ 2.7673	\$ 2.8019	\$ 2.6738				

**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. 16	\$2.3550	\$2.3780	\$2.6800	\$2.4710
Dec. 16	\$3.4150	\$3.4132	\$3.1300	\$3.3194
Jan. 17	\$3.2520	\$3.1732	\$3.8100	\$3.4117
Feb. 17	\$2.7525	\$2.6927	\$3.2400	\$2.8951
Mar. 17	\$2.7650	\$2.7406	\$2.4800	\$2.6619
Apr. 17	\$2.9950	\$2.9208	\$3.0600	\$2.9919
May 17	\$3.0680	\$2.9415	\$3.0000	\$3.0032
Jun. 17	\$2.9125	\$2.7663	\$3.0700	\$2.9163
Jul. 17	\$2.8960	\$2.7981	\$2.9000	\$2.8647
Aug. 17	\$2.8250	\$2.7456	\$2.8000	\$2.7902
Sep. 17	\$2.8700	\$2.8087	\$2.8000	\$2.8262
Oct. 17	\$2.8260	\$2.7398	\$2.8000	\$2.7886

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

NATURAL GAS WEEK TEXAS, CENTRAL, ONSHORE			NATURAL GAS WEEK TEXAS, CENTRAL, ONSHORE		
		MONTHLY AVERAGE			MONTHLY AVERAGE
11/07/2016	\$2.3000		05/01/2017	\$3.0000	
11/14/2016	\$2.0100		05/08/2017	\$3.0200	
11/21/2016	\$2.4400		05/15/2017	\$3.1100	
11/28/2016	\$2.6700	\$2.3550	05/22/2017	\$3.1200	
			05/29/2017	\$3.0900	\$3.0680
12/05/2016	\$3.2200				
12/12/2016	\$3.6000		06/05/2017	\$2.9400	
12/19/2016	\$3.4400		06/12/2017	\$2.9100	
12/26/2016	\$3.4000	\$3.4150	06/19/2017	\$2.9100	
			06/26/2017	\$2.8900	\$2.9125
01/02/2017	\$3.5000				
01/09/2017	\$3.2700		07/03/2017	\$2.8800	
01/16/2017	\$3.1900		07/10/2017	\$2.8600	
01/23/2017	\$3.1400		07/17/2017	\$2.8800	
01/30/2017	\$3.1600	\$3.2520	07/24/2017	\$2.9800	
			07/31/2017	\$2.8800	\$2.8960
02/06/2017	\$2.9300				
02/13/2017	\$2.8600		08/07/2017	\$2.7300	
02/20/2017	\$2.7000		08/14/2017	\$2.8500	
02/27/2017	\$2.5200	\$2.7525	08/23/2017	\$2.8600	
			08/30/2017	\$2.8600	\$2.8250
03/06/2017	\$2.5200				
03/13/2017	\$2.7900		09/04/2017	\$2.8700	
03/20/2017	\$2.8200		09/11/2017	\$2.8000	
03/27/2017	\$2.9300	\$2.7650	09/18/2017	\$2.8800	
			09/25/2017	\$2.9300	\$2.8700
04/04/2017	\$2.9400				
04/11/2017	\$3.0900		10/02/2017	\$2.8500	
04/18/2017	\$2.9200		10/09/2017	\$2.8100	
04/25/2017	\$3.0300	\$2.9950	10/16/2017	\$2.9200	
			10/23/2017	\$2.7800	
			10/30/2017	\$2.7700	\$2.8260

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

NOVEMBER 2016		DECEMBER 2016		JANUARY 2017		FEBRUARY 2017		MARCH 2017		APRIL 2017	
DAY	MIDPOINT	MIDPOINT		MIDPOINT		DAY	MIDPOINT	MIDPOINT		MIDPOINT	
1	\$ 2.6050	\$ 3.1600	\$	3.4500	\$	1	\$ 2.8950	\$ 2.4050	\$	2.9350	\$
2	\$ 2.2900	\$ 3.2550	\$	3.4500	\$	2	\$ 2.9900	\$ 2.5100	\$	2.9350	\$
3	\$ 2.1900	\$ 3.2150	\$	3.4500	\$	3	\$ 3.0050	\$ 2.4950	\$	2.9350	\$
4	\$ 2.2450	\$ 3.2150	\$	3.2800	\$	4	\$ 2.8550	\$ 2.4600	\$	2.9300	\$
5	\$ 2.1200	\$ 3.2150	\$	3.2250	\$	5	\$ 2.8550	\$ 2.4600	\$	3.0300	\$
6	\$ 2.1200	\$ 3.4700	\$	3.1850	\$	6	\$ 2.8550	\$ 2.4600	\$	3.1050	\$
7	\$ 2.1200	\$ 3.5300	\$	3.2000	\$	7	\$ 2.7900	\$ 2.6100	\$	3.1100	\$
8	\$ 2.2400	\$ 3.6400	\$	3.2000	\$	8	\$ 2.9050	\$ 2.5150	\$	2.9700	\$
9	\$ 2.2100	\$ 3.5550	\$	3.2000	\$	9	\$ 2.9600	\$ 2.6300	\$	2.9700	\$
10	\$ 2.1300	\$ 3.6000	\$	3.0100	\$	10	\$ 2.9750	\$ 2.7500	\$	2.9700	\$
11	\$ 1.9550	\$ 3.6000	\$	3.0700	\$	11	\$ 2.7550	\$ 2.8400	\$	2.9700	\$
12	\$ 1.9500	\$ 3.6000	\$	3.1400	\$	12	\$ 2.7550	\$ 2.8400	\$	2.8050	\$
13	\$ 1.9500	\$ 3.4050	\$	3.1900	\$	13	\$ 2.7550	\$ 2.8400	\$	2.7400	\$
14	\$ 1.9500	\$ 3.4050	\$	3.1750	\$	14	\$ 2.7750	\$ 2.9300	\$	2.7900	\$
15	\$ 2.2150	\$ 3.4050	\$	3.1750	\$	15	\$ 2.7750	\$ 2.9050	\$	2.7900	\$
16	\$ 2.4300	\$ 3.3900	\$	3.1750	\$	16	\$ 2.7700	\$ 2.8800	\$	2.7900	\$
17	\$ 2.4200	\$ 3.3600	\$	3.1750	\$	17	\$ 2.6750	\$ 2.7500	\$	2.7900	\$
18	\$ 2.2150	\$ 3.3600	\$	3.2000	\$	18	\$ 2.6000	\$ 2.7000	\$	2.8900	\$
19	\$ 2.4900	\$ 3.3600	\$	3.0950	\$	19	\$ 2.6000	\$ 2.7000	\$	2.9350	\$
20	\$ 2.4900	\$ 3.4250	\$	3.0650	\$	20	\$ 2.6000	\$ 2.7000	\$	3.0050	\$
21	\$ 2.4900	\$ 3.1950	\$	3.0750	\$	21	\$ 2.6000	\$ 2.8200	\$	2.9550	\$
22	\$ 2.7050	\$ 3.3250	\$	3.0750	\$	22	\$ 2.3950	\$ 2.9500	\$	2.8850	\$
23	\$ 2.6350	\$ 3.3900	\$	3.0750	\$	23	\$ 2.4100	\$ 2.8650	\$	2.8850	\$
24	\$ 2.6650	\$ 3.4200	\$	2.9850	\$	24	\$ 2.4400	\$ 2.8250	\$	2.8850	\$
25	\$ 2.6650	\$ 3.4200	\$	3.1200	\$	25	\$ 2.3350	\$ 2.8400	\$	2.8500	\$
26	\$ 2.6650	\$ 3.4200	\$	3.1400	\$	26	\$ 2.3350	\$ 2.8400	\$	2.8200	\$
27	\$ 2.6650	\$ 3.4200	\$	3.2900	\$	27	\$ 2.3350	\$ 2.8400	\$	2.8900	\$
28	\$ 2.6650	\$ 3.4650	\$	3.1450	\$	28	\$ 2.4000	\$ 2.8800	\$	3.0200	\$
29	\$ 2.8700	\$ 3.4600	\$	3.1450	\$	29		\$ 2.8550	\$	3.0200	\$
30	\$ 2.9800	\$ 3.5650	\$	3.1450	\$	30		\$ 2.9350	\$	3.0200	\$
31		\$ 3.5650	\$	3.0650	\$	31		\$ 2.9300			
TOTAL	\$ 71.3400	\$ 105.8100	\$	98.3700	\$	TOTAL	\$ 75.3950	\$ 84.9600	\$	87.6250	\$
POSTINGS	30	31		31		POSTINGS	28	31		30	
AVERAGE	\$ 2.3780	\$ 3.4132	\$	3.1732	\$	AVERAGE	\$ 2.6927	\$ 2.7406	\$	2.9208	\$

MAY 2017		JUNE 2017		JULY 2017		AUGUST 2017		SEPTEMBER 2017		OCTOBER 2017	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT
1	\$ 2.9800	\$ 2.8150	\$ 2.7450	\$ 2.6750	1	\$ 2.8000	\$ 2.7250	\$ 2.8000	\$ 2.7250	1	\$ 2.6750
2	\$ 2.9450	\$ 2.7700	\$ 2.7450	\$ 2.6600	2	\$ 2.6900	\$ 2.7250	\$ 2.6900	\$ 2.7250	2	\$ 2.6600
3	\$ 2.9300	\$ 2.7150	\$ 2.7450	\$ 2.6650	3	\$ 2.6900	\$ 2.6450	\$ 2.6900	\$ 2.6450	3	\$ 2.6650
4	\$ 3.0200	\$ 2.7150	\$ 2.7450	\$ 2.6450	4	\$ 2.6900	\$ 2.6950	\$ 2.6900	\$ 2.6950	4	\$ 2.6450
5	\$ 2.8200	\$ 2.7150	\$ 2.7450	\$ 2.6100	5	\$ 2.6900	\$ 2.7150	\$ 2.6900	\$ 2.7150	5	\$ 2.6100
6	\$ 2.8350	\$ 2.7650	\$ 2.7950	\$ 2.6100	6	\$ 2.7750	\$ 2.7900	\$ 2.6100	\$ 2.7900	6	\$ 2.6100
7	\$ 2.8350	\$ 2.7400	\$ 2.7200	\$ 2.6300	7	\$ 2.8000	\$ 2.6850	\$ 2.6300	\$ 2.6850	7	\$ 2.6100
8	\$ 2.8350	\$ 2.8100	\$ 2.6700	\$ 2.6300	8	\$ 2.7300	\$ 2.6850	\$ 2.6300	\$ 2.6850	8	\$ 2.6300
9	\$ 2.8500	\$ 2.7450	\$ 2.6700	\$ 2.6650	9	\$ 2.6500	\$ 2.6850	\$ 2.6650	\$ 2.6850	9	\$ 2.6650
10	\$ 2.8950	\$ 2.7550	\$ 2.6700	\$ 2.7650	10	\$ 2.6500	\$ 2.7100	\$ 2.7650	\$ 2.7100	10	\$ 2.7650
11	\$ 2.9600	\$ 2.7550	\$ 2.7750	\$ 2.7850	11	\$ 2.6500	\$ 2.7750	\$ 2.7850	\$ 2.7750	11	\$ 2.7850
12	\$ 2.9950	\$ 2.7550	\$ 2.7600	\$ 2.8150	12	\$ 2.8150	\$ 2.8150	\$ 2.8150	\$ 2.8150	12	\$ 2.8150
13	\$ 3.1000	\$ 2.8550	\$ 2.8350	\$ 2.8150	13	\$ 2.7800	\$ 2.8450	\$ 2.8150	\$ 2.8450	13	\$ 2.8150
14	\$ 3.1000	\$ 2.7600	\$ 2.7900	\$ 2.8150	14	\$ 2.8300	\$ 2.8550	\$ 2.8150	\$ 2.8550	14	\$ 2.8150
15	\$ 3.1000	\$ 2.7900	\$ 2.8050	\$ 2.8250	15	\$ 2.8600	\$ 2.8550	\$ 2.8250	\$ 2.8550	15	\$ 2.8250
16	\$ 3.1100	\$ 2.7900	\$ 2.8050	\$ 2.8350	16	\$ 2.8500	\$ 2.8550	\$ 2.8350	\$ 2.8550	16	\$ 2.8350
17	\$ 3.0550	\$ 2.8200	\$ 2.8050	\$ 2.8050	17	\$ 2.8500	\$ 2.7850	\$ 2.8050	\$ 2.7850	17	\$ 2.8050
18	\$ 2.9850	\$ 2.8200	\$ 2.8750	\$ 2.7500	18	\$ 2.8500	\$ 2.8150	\$ 2.7500	\$ 2.8150	18	\$ 2.7500
19	\$ 2.9450	\$ 2.8200	\$ 2.9100	\$ 2.7750	19	\$ 2.9650	\$ 2.7250	\$ 2.7750	\$ 2.7250	19	\$ 2.7750
20	\$ 2.9800	\$ 2.7650	\$ 2.9500	\$ 2.7750	20	\$ 2.9750	\$ 2.6650	\$ 2.7750	\$ 2.6650	20	\$ 2.7750
21	\$ 2.9800	\$ 2.7100	\$ 2.9500	\$ 2.7750	21	\$ 3.0000	\$ 2.8450	\$ 2.7750	\$ 2.8450	21	\$ 2.7750
22	\$ 2.9800	\$ 2.7750	\$ 2.8700	\$ 2.8450	22	\$ 2.9400	\$ 2.6450	\$ 2.8450	\$ 2.6450	22	\$ 2.8450
23	\$ 2.9150	\$ 2.7050	\$ 2.8700	\$ 2.8600	23	\$ 2.8600	\$ 2.6450	\$ 2.8600	\$ 2.6450	23	\$ 2.8600
24	\$ 2.9550	\$ 2.6700	\$ 2.8700	\$ 2.7600	24	\$ 2.8600	\$ 2.8550	\$ 2.7600	\$ 2.8550	24	\$ 2.7600
25	\$ 2.9050	\$ 2.6700	\$ 2.8000	\$ 2.8050	25	\$ 2.8600	\$ 2.8350	\$ 2.8050	\$ 2.8350	25	\$ 2.8050
26	\$ 2.8450	\$ 2.6700	\$ 2.8000	\$ 2.7800	26	\$ 2.8400	\$ 2.8000	\$ 2.7800	\$ 2.8000	26	\$ 2.7800
27	\$ 2.8750	\$ 2.7550	\$ 2.7700	\$ 2.7800	27	\$ 2.8500	\$ 2.7350	\$ 2.7800	\$ 2.7350	27	\$ 2.7800
28	\$ 2.8750	\$ 2.7850	\$ 2.7600	\$ 2.7800	28	\$ 2.8500	\$ 2.6600	\$ 2.7800	\$ 2.6600	28	\$ 2.7800
29	\$ 2.8750	\$ 2.8900	\$ 2.8300	\$ 2.7400	29	\$ 2.8450	\$ 2.6600	\$ 2.7400	\$ 2.6600	29	\$ 2.7400
30	\$ 2.8750	\$ 2.8850	\$ 2.8300	\$ 2.7150	30	\$ 2.8450	\$ 2.6600	\$ 2.7150	\$ 2.6600	30	\$ 2.7150
31	\$ 2.8300	\$ 2.8300	\$ 2.8300	\$ 2.7450	31	\$ 2.8450	\$ 2.7450	\$ 2.7450	\$ 2.7450	31	\$ 2.7450
TOTAL	\$ 91.1850	\$ 82.9900	\$ 86.7400	\$ 85.1150	TOTAL	\$ 84.2600	\$ 84.9350	\$ 84.2600	\$ 84.9350	TOTAL	\$ 85.1150
POSTINGS	31	30	31	31	POSTINGS	30	31	30	31	POSTINGS	31
AVERAGE	\$ 2.9415	\$ 2.7663	\$ 2.7981	\$ 2.7456	AVERAGE	\$ 2.8087	\$ 2.7398	\$ 2.8087	\$ 2.7398	AVERAGE	\$ 2.7456

**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. 16	\$2.3525	\$2.3915	\$2.7000	\$2.4813
Dec. 16	\$3.4675	\$3.4885	\$3.1700	\$3.3753
Jan. 17	\$3.2980	\$3.2311	\$3.8800	\$3.4697
Feb. 17	\$2.7650	\$2.7263	\$3.3100	\$2.9338
Mar. 17	\$2.7500	\$2.7911	\$2.5400	\$2.6937
Apr. 17	\$3.0175	\$3.0048	\$3.0900	\$3.0374
May 17	\$3.0540	\$3.0524	\$3.0500	\$3.0521
Jun. 17	\$2.8625	\$2.8542	\$3.1500	\$2.9556
Jul. 17	\$2.8980	\$2.8798	\$2.9700	\$2.9159
Aug. 17	\$2.8400	\$2.8360	\$2.8800	\$2.8520
Sep. 17	\$2.9025	\$2.9180	\$2.8900	\$2.9035
Oct. 17	\$2.8280	\$2.8279	\$2.8800	\$2.8453

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
11/07/2016	\$2.2100		05/01/2017	\$2.9900	
11/14/2016	\$2.0500		05/08/2017	\$3.0000	
11/21/2016	\$2.4600		05/15/2017	\$3.1200	
11/28/2016	\$2.6900	\$2.3525	05/22/2017	\$3.1100	
			05/29/2017	\$3.0500	\$3.0540
12/05/2016	\$3.2700		06/05/2017	\$2.8700	
12/12/2016	\$3.6700		06/12/2017	\$2.9000	
12/19/2016	\$3.4500		06/19/2017	\$2.8900	
12/26/2016	\$3.4800	\$3.4675	06/26/2017	\$2.7900	\$2.8625
01/02/2017	\$3.5600		07/03/2017	\$2.8700	
01/09/2017	\$3.3500		07/10/2017	\$2.8400	
01/16/2017	\$3.2200		07/17/2017	\$2.9000	
01/23/2017	\$3.1700		07/24/2017	\$3.0000	
01/30/2017	\$3.1900	\$3.2980	07/31/2017	\$2.8800	\$2.8980
02/06/2017	\$2.9700		08/07/2017	\$2.7200	
02/13/2017	\$2.8900		08/14/2017	\$2.8500	
02/20/2017	\$2.7000		08/23/2017	\$2.8900	
02/27/2017	\$2.5000	\$2.7650	08/30/2017	\$2.9000	\$2.8400
03/06/2017	\$2.4900		09/04/2017	\$2.8800	
03/13/2017	\$2.8000		09/11/2017	\$2.8000	
03/20/2017	\$2.8200		09/18/2017	\$2.9400	
03/27/2017	\$2.8900	\$2.7500	09/25/2017	\$2.9900	\$2.9025
04/04/2017	\$3.0000		10/02/2017	\$2.8700	
04/11/2017	\$3.1200		10/09/2017	\$2.8300	
04/18/2017	\$2.9600		10/16/2017	\$2.8900	
04/25/2017	\$2.9900	\$3.0175	10/23/2017	\$2.7600	
			10/30/2017	\$2.7900	\$2.8280

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

NOVEMBER 2016		DECEMBER 2016		JANUARY 2017		FEBRUARY 2017		MARCH 2017		APRIL 2017	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	
1	\$ 2.6350	\$ 3.2400	\$ 3.5350	\$ 2.9150	1	\$ 2.9150	\$ 2.4550	\$ 2.9950			
2	\$ 2.3150	\$ 3.3400	\$ 3.5350	2	\$ 3.0200	\$ 2.5350	\$ 2.9950				
3	\$ 2.1900	\$ 3.3400	\$ 3.5350	3	\$ 3.0200	\$ 2.5500	\$ 2.9950				
4	\$ 2.2850	\$ 3.3400	\$ 3.3050	4	\$ 2.8950	\$ 2.5250	\$ 2.9550				
5	\$ 2.1050	\$ 3.3400	\$ 3.2600	5	\$ 2.8950	\$ 2.5250	\$ 3.0150				
6	\$ 2.1050	\$ 3.5200	\$ 3.2350	6	\$ 2.8950	\$ 2.5250	\$ 3.1550				
7	\$ 2.1050	\$ 3.6000	\$ 3.2750	7	\$ 2.8200	\$ 2.6300	\$ 3.1650				
8	\$ 2.2300	\$ 3.7050	\$ 3.2750	8	\$ 2.9200	\$ 2.5550	\$ 3.1050				
9	\$ 2.2200	\$ 3.6200	\$ 3.2750	9	\$ 2.9800	\$ 2.6600	\$ 3.1050				
10	\$ 2.1350	\$ 3.6900	\$ 3.0550	10	\$ 3.0000	\$ 2.7750	\$ 3.1050				
11	\$ 1.9550	\$ 3.6900	\$ 3.1400	11	\$ 2.8100	\$ 2.9100	\$ 3.0350				
12	\$ 1.9650	\$ 3.6900	\$ 3.1850	12	\$ 2.8100	\$ 2.9100	\$ 2.9750				
13	\$ 1.9650	\$ 3.4750	\$ 3.2400	13	\$ 2.8100	\$ 2.9100	\$ 2.9350				
14	\$ 1.9650	\$ 3.5100	\$ 3.2600	14	\$ 2.8100	\$ 2.9900	\$ 2.9500				
15	\$ 2.1850	\$ 3.4700	\$ 3.2600	15	\$ 2.8000	\$ 2.9800	\$ 2.9500				
16	\$ 2.4850	\$ 3.4800	\$ 3.2600	16	\$ 2.8200	\$ 2.9450	\$ 2.9500				
17	\$ 2.4100	\$ 3.3800	\$ 3.2600	17	\$ 2.6950	\$ 2.7950	\$ 2.9500				
18	\$ 2.2150	\$ 3.3800	\$ 3.2200	18	\$ 2.6250	\$ 2.7550	\$ 3.0000				
19	\$ 2.5150	\$ 3.3800	\$ 3.1550	19	\$ 2.6250	\$ 2.7550	\$ 3.0000				
20	\$ 2.5150	\$ 3.4750	\$ 3.1200	20	\$ 2.6250	\$ 2.7550	\$ 3.0550				
21	\$ 2.5150	\$ 3.2750	\$ 3.1150	21	\$ 2.6250	\$ 2.8700	\$ 3.0250				
22	\$ 2.7500	\$ 3.4250	\$ 3.1150	22	\$ 2.4250	\$ 2.9950	\$ 2.9800				
23	\$ 2.6800	\$ 3.4850	\$ 3.1150	23	\$ 2.4300	\$ 2.9200	\$ 2.9600				
24	\$ 2.6800	\$ 3.5050	\$ 3.0550	24	\$ 2.4800	\$ 2.8550	\$ 2.9600				
25	\$ 2.6800	\$ 3.5050	\$ 3.1550	25	\$ 2.3900	\$ 2.8750	\$ 2.9100				
26	\$ 2.6800	\$ 3.5050	\$ 3.1800	26	\$ 2.3900	\$ 2.8750	\$ 2.9000				
27	\$ 2.6800	\$ 3.5050	\$ 3.3450	27	\$ 2.3900	\$ 2.8750	\$ 2.9800				
28	\$ 2.6800	\$ 3.5400	\$ 3.2000	28	\$ 2.4150	\$ 2.9200	\$ 3.0200				
29	\$ 2.8800	\$ 3.5350	\$ 3.2000	29		\$ 2.9050	\$ 3.0200				
30	\$ 3.0200	\$ 3.6000	\$ 3.2000	30		\$ 3.0000	\$ 3.0200				
31		\$ 3.6000	\$ 3.1000	31		\$ 2.9950					
TOTAL	\$ 71.7450	\$ 108.1450	\$ 100.1650	TOTAL	\$ 76.3350	\$ 86.5250	\$ 90.1450				
POSTINGS	30	31	31	POSTINGS	28	31	30				
AVERAGE	\$ 2.3915	\$ 3.4885	\$ 3.2311	AVERAGE	\$ 2.7263	\$ 2.7911	\$ 3.0048				

MAY 2017		JUNE 2017		JULY 2017		AUGUST 2017		SEPTEMBER 2017		OCTOBER 2017	
DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT	MIDPOINT	MIDPOINT	MIDPOINT	DAY	MIDPOINT
1	\$ 3.0500	\$ 2.9000	\$ 2.8450	\$ 2.7600	1	\$ 2.8500	\$ 2.8100				
2	\$ 3.0600	\$ 2.8400	\$ 2.8450	\$ 2.7050	2	\$ 2.9000	\$ 2.8100				
3	\$ 3.0450	\$ 2.7550	\$ 2.8450	\$ 2.7050	3	\$ 2.9000	\$ 2.7350				
4	\$ 2.9950	\$ 2.7550	\$ 2.8450	\$ 2.7600	4	\$ 2.9000	\$ 2.7450				
5	\$ 2.9850	\$ 2.7550	\$ 2.8450	\$ 2.7150	5	\$ 2.9000	\$ 2.8400				
6	\$ 2.9450	\$ 2.8500	\$ 2.7950	\$ 2.7150	6	\$ 2.8750	\$ 2.9100				
7	\$ 2.9450	\$ 2.8850	\$ 2.7750	\$ 2.7150	7	\$ 2.9000	\$ 2.8250				
8	\$ 2.9450	\$ 2.8950	\$ 2.7700	\$ 2.7150	8	\$ 2.8500	\$ 2.8250				
9	\$ 2.9600	\$ 2.8350	\$ 2.7700	\$ 2.7400	9	\$ 2.7250	\$ 2.8250				
10	\$ 3.0100	\$ 2.8950	\$ 2.7700	\$ 2.8250	10	\$ 2.7250	\$ 2.8000				
11	\$ 3.0850	\$ 2.8950	\$ 2.8500	\$ 2.8450	11	\$ 2.7250	\$ 2.8500				
12	\$ 3.1350	\$ 2.8950	\$ 2.9400	\$ 2.9100	12	\$ 2.8000	\$ 2.8850				
13	\$ 3.1650	\$ 2.9900	\$ 2.9200	\$ 2.9100	13	\$ 2.8850	\$ 2.9050				
14	\$ 3.1650	\$ 2.8750	\$ 2.8850	\$ 2.9100	14	\$ 2.9750	\$ 2.9400				
15	\$ 3.1650	\$ 2.8250	\$ 2.9000	\$ 2.9350	15	\$ 2.9750	\$ 2.9400				
16	\$ 3.2000	\$ 2.8500	\$ 2.9000	\$ 2.9000	16	\$ 2.9600	\$ 2.9400				
17	\$ 3.1400	\$ 2.9000	\$ 2.9000	\$ 2.8700	17	\$ 2.9600	\$ 2.8200				
18	\$ 3.0900	\$ 2.9000	\$ 2.9650	\$ 2.8650	18	\$ 2.9600	\$ 2.8550				
19	\$ 3.0700	\$ 2.9000	\$ 3.0150	\$ 2.8700	19	\$ 3.0800	\$ 2.7800				
20	\$ 3.1150	\$ 2.8000	\$ 3.0250	\$ 2.8700	20	\$ 3.1250	\$ 2.7700				
21	\$ 3.1150	\$ 2.8000	\$ 3.0350	\$ 2.8700	21	\$ 3.1200	\$ 2.7450				
22	\$ 3.1150	\$ 2.8200	\$ 2.9350	\$ 2.8800	22	\$ 3.0250	\$ 2.7450				
23	\$ 3.1150	\$ 2.8000	\$ 2.9350	\$ 2.8400	23	\$ 2.9450	\$ 2.7450				
24	\$ 3.1100	\$ 2.7900	\$ 2.9350	\$ 2.8750	24	\$ 2.9450	\$ 2.9100				
25	\$ 2.9750	\$ 2.7900	\$ 2.8700	\$ 2.9100	25	\$ 2.9450	\$ 2.8900				
26	\$ 2.9900	\$ 2.7900	\$ 2.8750	\$ 2.8500	26	\$ 2.9200	\$ 2.8900				
27	\$ 2.9900	\$ 2.8800	\$ 2.8550	\$ 2.8500	27	\$ 2.9400	\$ 2.8100				
28	\$ 2.9900	\$ 2.9100	\$ 2.8800	\$ 2.8500	28	\$ 2.9500	\$ 2.7550				
29	\$ 2.9900	\$ 2.9350	\$ 2.8500	\$ 2.8950	29	\$ 2.8900	\$ 2.7550				
30	\$ 2.9900	\$ 2.9150	\$ 2.8500	\$ 2.8500	30	\$ 2.8900	\$ 2.7550				
31	\$ 2.9750		\$ 2.8500	\$ 2.8450	31		\$ 2.8550				
TOTAL	\$ 94.8250	\$ 85.6250	\$ 89.2750	TOTAL	\$ 87.9150	\$ 87.5400	\$ 87.6650				
POSTINGS	31	30	31	POSTINGS	31	30	31				
AVERAGE	\$ 3.0524	\$ 2.8542	\$ 2.8798	AVERAGE	\$ 2.8360	\$ 2.9180	\$ 2.8279				

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

**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	LATERAL CAPACITY AND FIRM QUANTITY ENTITLEMENT PERCENTAGE																												
	WINTER SEASON					SUMMER SEASON					SUMMER SEASON																		
CONTRACTS	ZONE	NOV. 17	DEC. 17	JAN. 17	FEB. 17	MAR. 17	APR. 17	MAY 17	JUN. 17	JUL. 17	AUG. 17	SEP. 17	OCT. 17	NOV. 17	DEC. 17	JAN. 17	FEB. 17	MAR. 17	APR. 17	MAY 17	JUN. 17	JUL. 17	AUG. 17	SEP. 17	OCT. 17	NOV. 17	DEC. 17	ALLOCATION PERCENTAGE	
TGT-NRG-29781	SL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	
	1	120,714	120,714	128,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	120,714	84.87%
	4	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	83,557	15.13%	
	TOTAL	184,271	184,271	212,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	204,271	100.00%	
TGT-FT-34801	SL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	
	4	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	100.00%	
	TOTAL	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	100.00%	
TGPL-FT-A-111119	0	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	100.00%	
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	
	TOTAL	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	100.00%	

COLUMN	WINTER SEASON										SUMMER SEASON									
	CONTRACTS	ZONE	WINTER SEASON QUANTITY ENTITLEMENT	WINTER SEASON ALLOCATION PERCENT	TEXAS GAS 82FOE ZONE SL	TEXAS GAS 82FOE ZONE 1	TEXAS GAS 82FOE ZONE 4	TENNESSEE 82FOE ZONE 8	TENNESSEE 82FOE ZONE 1	TOTAL	CONTRACTS	ZONE	WINTER SEASON QUANTITY ENTITLEMENT	WINTER SEASON ALLOCATION PERCENT	TEXAS GAS 82FOE ZONE SL	TEXAS GAS 82FOE ZONE 1	TEXAS GAS 82FOE ZONE 4	TENNESSEE 82FOE ZONE 8	TENNESSEE 82FOE ZONE 1	TOTAL
TGT-NRG-29781	SL	20,220,800	0.00%	0	0.00%	0	0.00%	0	0.00%	0	SL	8,282,800	0.00%	0	0.00%	0	0.00%	0	0.00%	0
	1	0	0.00%	18,988,428	100.00%	0	0.00%	0	0.00%	18,988,428	1	7,107,000	71.07%	0	0.00%	0	0.00%	0	0.00%	7,107,000
	4	0	0.00%	0	0.00%	9,221,874	100.00%	0	0.00%	9,221,874	4	28,827,000	28.83%	0	0.00%	0	0.00%	0	0.00%	28,827,000
TGT-FT-34801	SL	9,880,800	0.00%	0	0.00%	0	0.00%	0	0.00%	0	SL	12,840,000	0.00%	0	0.00%	0	0.00%	0	0.00%	0
	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0
	4	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	4	0	0.00%	0	0.00%	0	0.00%	0	0.00%	12,840,800
TGPL-FT-A-111119	0	3,820,800	100.00%	0	0.00%	0	0.00%	0	0.00%	0	0	4,280,800	100.00%	0	0.00%	0	0.00%	0	0.00%	0
	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4,280,800
TOTALS		33,308,000		0	18,988,428	18,281,874	3,820,000	0	36,300,000		26,412,000		0	8,885,124	18,281,874	4,280,000	0	0	26,412,000	
SUPPLY ZONE FIRM QUANTITY ENTITLEMENT PERCENT**				0.00%	44.36%	47.75%	7.88%	0.00%	100.00%					0.00%	23.19%	88.97%	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 COLUMNS 21, 22, 23, OR 24 BY THE TOTAL OF COLUMN 17.
 ***THE SUMMER SEASON SUPPLY ZONE FIRM QUANTITY ENTITLEMENT PERCENTAGE IS CALCULATED BY DIVIDING THE TOTAL OF COLUMNS 28, 30, 31, 32, OR 33 BY THE TOTAL OF COLUMN 28.

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 ("TBMGTC")
 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 BMOGTC										
CALCULATION OF BASE TARIFF RATES										
		NBS DEMAND CHARGES			NBS COMMODITY CHARGES			ACA		
MONTH	DAYS	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (1)(2)+(3)	COMMODITY CHARGE	CITY-GATE DELIVERIES	TOTAL (5)(6)	ACA CHARGE	TOTAL (6)(7)+(8)	
NOV. 18	31	\$2,419.00	184,900	\$2,324,193	\$0.0814	1,826,224	\$149,440	\$0.0013	\$1,983	
DEC. 18	31	\$0.4190	184,900	\$2,401,898	\$0.0814	3,190,251	\$108,438	\$0.0013	\$4,159	
JAN. 17	31	\$0.4190	184,900	\$2,401,898	\$0.0814	1,179,184	\$72,403	\$0.0013	\$1,533	
FEB. 17	28	\$0.4190	184,900	\$2,188,247	\$0.0814	945,163	\$38,033	\$0.0013	\$1,228	
MAR. 17	31	\$0.4190	184,900	\$2,401,898	\$0.0814	878,570	\$64,008	\$0.0013	\$1,143	
APR. 17	30	\$0.4190	97,440	\$1,224,821	\$0.0814	344,073	\$21,128	\$0.0013	\$447	
MAY 17	31	\$0.4190	80,000	\$779,340	\$0.0814	798,334	\$40,017	\$0.0013	\$1,038	
JUN. 17	30	\$0.4190	80,000	\$784,200	\$0.0814	372,209	\$22,853	\$0.0013	\$483	
JUL. 17	31	\$0.4190	80,000	\$779,340	\$0.0814	1,274,914	\$78,280	\$0.0013	\$1,857	
AUG. 17	31	\$0.4190	80,000	\$779,340	\$0.0814	1,330,811	\$81,853	\$0.0013	\$1,730	
SEP. 17	30	\$0.4190	80,000	\$784,200	\$0.0814	1,362,857	\$88,508	\$0.0013	\$1,811	
OCT. 17	31	\$0.4190	117,020	\$1,519,973	\$0.0814	1,827,204	\$98,910	\$0.0013	\$2,118	
TOTAL	365		1,438,080	\$18,289,852		14,888,324	\$912,913		\$19,328	

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 BMOGTC																
CALCULATION OF BASE TARIFF RATES																
		FT DEMAND CHARGES			FT BACKHAUL COMMODITY CHARGES								TOTAL COMML (16X17) + (16X18) + (15X17)+(19X21)	TOTAL CITY-GATE DELIVERY	CALCULATION OF BURCHARGES ACA	
MONTH	DAYS	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (10)(11)+(12)	S1 COMM. CHARGE	S1 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) + (16X18) + (15X17)+(19X21)	(15X17)+(19X21)	ACA CHARGE	TOTAL (23)(24)
NOV. 18	30	\$0.1374	80,000	\$247,320	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	473,627	\$17,081	473,627	\$0.0013	\$618
DEC. 18	31	\$0.1374	80,000	\$259,984	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	18,942	\$718	18,942	\$0.0013	\$28
JAN. 17	31	\$0.1374	80,000	\$259,984	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	209,391	\$7,538	209,391	\$0.0013	\$272
FEB. 17	28	\$0.1374	80,000	\$230,832	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	38,898	\$1,292	38,898	\$0.0013	\$47
MAR. 17	31	\$0.1374	80,000	\$259,984	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$0
APR. 17	30	\$0.1374	80,000	\$247,320	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	39,884	\$1,438	39,884	\$0.0013	\$52
MAY 17	31	\$0.1374	80,000	\$259,984	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	18,942	\$718	18,942	\$0.0013	\$28
JUN. 17	30	\$0.1374	80,000	\$247,320	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	1,289,884	\$48,428	1,289,884	\$0.0013	\$1,677
JUL. 17	31	\$0.1374	80,000	\$259,984	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	1,805,355	\$64,963	1,805,355	\$0.0013	\$2,347
AUG. 17	31	\$0.1374	80,000	\$259,984	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	1,842,722	\$66,338	1,842,722	\$0.0013	\$2,386
SEP. 17	30	\$0.1374	80,000	\$247,320	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	1,702,877	\$61,288	1,702,877	\$0.0013	\$2,213
OCT. 17	31	\$0.1374	80,000	\$259,984	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	1,811,153	\$66,202	1,811,153	\$0.0013	\$2,354
TOTAL	365		720,000	\$3,008,080		0		0		0		9,250,243	\$339,010	9,250,243		\$12,028

COLUMN	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
CALCULATION OF TEXAS GAS RATE STT PORTION OF BMOGTC																
CALCULATION OF BASE TARIFF RATES																
		STT DEMAND CHARGES			STT COMMODITY CHARGES								TOTAL COMML (30X31) + (30X35) + (30X37)	TOTAL CITY-GATE DELIVERY (31X35)+(35X37)	CALCULATION OF BURCHARGES ACA	
MONTH	DAYS	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (26)(27)+(28)	S1 COMM. CHARGE	S1 CITY-GATE DELIVERIES	Z1 COMM. CHARGE	Z1 CITY-GATE DELIVERIES	Z3 COMM. CHARGE	Z3 CITY-GATE DELIVERIES	Z4 COMM. CHARGE	Z4 CITY-GATE DELIVERIES	(30X31) + (30X35) + (30X37)	(31X35)+(35X37)	ACA CHARGE	TOTAL (39)(40)
NOV. 18	30	\$0.4282	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$0
DEC. 18	31	\$0.4282	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$0
JAN. 17	31	\$0.4282	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$0
FEB. 17	28	\$0.4282	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$0
MAR. 17	31	\$0.4282	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$0
APR. 17	30	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$0
MAY 17	31	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$0
JUN. 17	30	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$0
JUL. 17	31	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$0
AUG. 17	31	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$0
SEP. 17	30	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$0
OCT. 17	31	\$0.1847	0	\$0	\$0.0528	0	\$0.0508	0	\$0.0398	0	\$0.0380	0	\$0	0	\$0.0013	\$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 ("TBMGTC")
 FOR FBR TRANSPORTATION INDEX FACTOR ("TIF")

COLUMN	42	43	44	45
	NRS			TOTAL
	CALC. OF DIRECT BILLS			NRS
	CASH-			BMGTC
	(9+42+43)			(417+44)
MONTH	OUT	OTHER	TOTAL	
NOV. 16	\$0	\$0	\$1,983	\$2,419,854
DEC. 16	\$0	\$0	\$4,169	\$2,602,261
JAN. 17	\$0	\$0	\$1,533	\$2,478,802
FEB. 17	\$0	\$0	\$1,226	\$2,226,508
MAR. 17	\$0	\$0	\$1,143	\$2,496,815
APR. 17	\$0	\$0	\$447	\$1,240,364
MAY 17	\$0	\$0	\$1,098	\$429,366
JUN. 17	\$0	\$0	\$463	\$777,536
JUL. 17	\$0	\$0	\$1,857	\$859,277
AUG. 17	\$0	\$0	\$1,730	\$982,763
SEP. 17	\$0	\$0	\$1,811	\$641,519
OCT. 17	\$0	\$0	\$2,118	\$1,821,960
TOTAL	\$0	\$0	\$19,328	\$19,221,863

COLUMN	46	47	48	49
	FT BACKHAUL			TOTAL FT BACKHAUL
	CALC. OF DIRECT BILLS			BMGTC
	CASH-			(13+22+)
	(25+46+)			(47)
MONTH	OUT	OTHER	TOTAL	
NOV. 16	\$0	\$0	\$816	\$264,987
DEC. 16	\$0	\$0	\$29	\$259,308
JAN. 17	\$0	\$0	\$272	\$265,474
FEB. 17	\$0	\$0	\$47	\$232,171
MAR. 17	\$0	\$0	\$0	\$256,664
APR. 17	\$0	\$0	\$52	\$248,808
MAY 17	\$0	\$0	\$26	\$256,308
JUN. 17	\$0	\$0	\$1,877	\$296,425
JUL. 17	\$0	\$0	\$2,347	\$322,904
AUG. 17	\$0	\$0	\$2,390	\$324,298
SEP. 17	\$0	\$0	\$2,213	\$310,829
OCT. 17	\$0	\$0	\$2,354	\$323,120
TOTAL	\$0	\$0	\$12,028	\$3,354,098

COLUMN	50	51	52	53
	STF			TOTAL STF
	CALC. OF DIRECT BILLS			BMGTC
	CASH-			(29+38+)
	(41+50+)			(52)
MONTH	OUT	OTHER	TOTAL	
NOV. 16	\$0	\$0	\$0	\$0
DEC. 16	\$0	\$0	\$0	\$0
JAN. 17	\$0	\$0	\$0	\$0
FEB. 17	\$0	\$0	\$0	\$0
MAR. 17	\$0	\$0	\$0	\$0
APR. 17	\$0	\$0	\$0	\$0
MAY 17	\$0	\$0	\$0	\$0
JUN. 17	\$0	\$0	\$0	\$0
JUL. 17	\$0	\$0	\$0	\$0
AUG. 17	\$0	\$0	\$0	\$0
SEP. 17	\$0	\$0	\$0	\$0
OCT. 17	\$0	\$0	\$0	\$0
TOTAL	\$0	\$0	\$0	\$0

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

COLUMN 54

MONTH	TOTAL BMTGT)
NOV. 16	(89,479,532)
NOV. 16	\$2,884,511
DEC. 16	\$2,858,569
JAN. 17	\$2,738,979
FEB. 17	\$2,460,879
MAR. 17	\$2,712,379
APR. 17	\$1,495,202
MAY 17	\$1,065,703
JUN. 17	\$1,072,981
JUL. 17	\$1,182,181
AUG. 17	\$1,187,061
SEP. 17	\$1,152,346
OCT. 17	\$1,948,119
TOTAL	\$22,575,690

LOUISVILLE GAS AND ELECTRIC COMPANY
 CALCULATION OF TOTAL ANNUAL BENCHMARK MONTHLY GAS TRANSPORTATION COSTS ("TARGMTC")
 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 BURCHARGES AND DIRECT BILLS				TOTAL						
FT-A ZONE 0 DEMAND CHARGES		TOTAL CONTRACT DEMAND (56+58)		FT-A ZONE 0 COMMODITY CHARGES		TOTAL CITY-GATE DELIVERIES (59+60)		EPCR ADJUSTMENT		TOTAL AEA CHARGE (62+63)		TOTAL \$8/D6 (64 + 65)		FT-A ZN-0 BMGTC (67+68+69)
MONTH	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (56+58)	COMMODITY CHARGE	CITY-GATE DELIVERIES	TOTAL (59+60)	EPCR CHARGE	TOTAL (62+61)	AEA CHARGE	TOTAL (62+63)	OTHER	TOTAL \$8/D6 (64 + 65)	FT-A ZN-0 BMGTC (67+68+69)	
NOV. 16	\$15,5968	20,000	\$311,936	\$0.0186	80,000	\$1,488	\$0.0147	\$1,176	\$0.0013	\$104	\$0	\$1,280	\$314,704	
DEC. 16	\$15,5968	20,000	\$311,936	\$0.0186	620,000	\$11,532	\$0.0147	\$9,114	\$0.0013	\$808	\$0	\$9,920	\$333,958	
JAN. 17	\$15,5968	20,000	\$311,936	\$0.0186	277,192	\$5,156	\$0.0147	\$4,075	\$0.0013	\$360	\$0	\$4,435	\$321,527	
FEB. 17	\$15,5968	20,000	\$311,936	\$0.0186	80,000	\$1,118	\$0.0147	\$682	\$0.0013	\$78	\$0	\$760	\$314,012	
MAR. 17	\$15,5968	20,000	\$311,936	\$0.0186	0	\$0	\$0.0147	\$0	\$0.0013	\$0	\$0	\$0	\$311,936	
APR. 17	\$15,5968	20,000	\$311,936	\$0.0186	0	\$0	\$0.0201	\$0	\$0.0013	\$0	\$0	\$0	\$311,936	
MAY 17	\$15,5968	20,000	\$311,936	\$0.0186	177,422	\$3,300	\$0.0201	\$3,586	\$0.0013	\$231	\$0	\$3,797	\$319,033	
JUN. 17	\$15,5968	20,000	\$311,936	\$0.0186	478,000	\$8,835	\$0.0201	\$9,548	\$0.0013	\$818	\$0	\$10,186	\$330,637	
JUL. 17	\$15,5968	20,000	\$311,936	\$0.0186	606,500	\$11,281	\$0.0201	\$12,191	\$0.0013	\$786	\$0	\$12,979	\$336,199	
AUG. 17	\$15,5968	20,000	\$311,936	\$0.0186	620,000	\$11,532	\$0.0201	\$12,482	\$0.0013	\$806	\$0	\$13,288	\$336,736	
SEP. 17	\$15,5968	20,000	\$311,936	\$0.0186	600,000	\$11,180	\$0.0201	\$12,060	\$0.0013	\$780	\$0	\$12,840	\$335,036	
OCT. 17	\$15,5968	20,000	\$311,936	\$0.0186	220,000	\$4,062	\$0.0201	\$4,422	\$0.0013	\$286	\$0	\$4,708	\$320,736	
TOTAL		240,000	\$3,743,232		3,736,114	\$66,462		\$69,408		\$4,867	\$0	\$74,363	\$3,867,077	

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 BURCHARGES AND DIRECT BILLS				TOTAL						
FT-A ZONE 1 DEMAND CHARGES		TOTAL CONTRACT DEMAND (69+70)		FT-A ZONE 1 COMMODITY CHARGES		TOTAL CITY-GATE DELIVERIES (71+72)		EPCR ADJUSTMENT		TOTAL AEA CHARGE (74+75)		TOTAL \$8/D6 (76 + 78)		FT-A ZN-1 BMGTC (79+73+77)
MONTH	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (69+70)	COMMODITY CHARGE	CITY-GATE DELIVERIES	TOTAL (71+72)	EPCR CHARGE	TOTAL (72+74)	AEA CHARGE	TOTAL (74+75)	OTHER	TOTAL \$8/D6 (76 + 78)	FT-A ZN-1 BMGTC (79+73+77)	
NOV. 16	\$10,8623	0	\$0	\$0.0156	0	\$0	\$0.0122	\$0	\$0.0013	\$0	\$0	\$0	\$0	
DEC. 16	\$10,8623	0	\$0	\$0.0156	0	\$0	\$0.0122	\$0	\$0.0013	\$0	\$0	\$0	\$0	
JAN. 17	\$10,8623	0	\$0	\$0.0156	0	\$0	\$0.0122	\$0	\$0.0013	\$0	\$0	\$0	\$0	
FEB. 17	\$10,8623	0	\$0	\$0.0156	0	\$0	\$0.0122	\$0	\$0.0013	\$0	\$0	\$0	\$0	
MAR. 17	\$10,8623	0	\$0	\$0.0156	0	\$0	\$0.0122	\$0	\$0.0013	\$0	\$0	\$0	\$0	
APR. 17	\$10,8623	0	\$0	\$0.0156	0	\$0	\$0.0167	\$0	\$0.0013	\$0	\$0	\$0	\$0	
MAY 17	\$10,8623	0	\$0	\$0.0156	0	\$0	\$0.0167	\$0	\$0.0013	\$0	\$0	\$0	\$0	
JUN. 17	\$10,8623	0	\$0	\$0.0156	125,000	\$1,950	\$0.0167	\$2,087	\$0.0013	\$162	\$0	\$2,248	\$4,190	
JUL. 17	\$10,8623	0	\$0	\$0.0156	13,600	\$211	\$0.0167	\$225	\$0.0013	\$18	\$0	\$243	\$454	
AUG. 17	\$10,8623	0	\$0	\$0.0156	0	\$0	\$0.0167	\$0	\$0.0013	\$0	\$0	\$0	\$0	
SEP. 17	\$10,8623	0	\$0	\$0.0156	0	\$0	\$0.0167	\$0	\$0.0013	\$0	\$0	\$0	\$0	
OCT. 17	\$10,8623	0	\$0	\$0.0156	400,000	\$6,240	\$0.0167	\$6,680	\$0.0013	\$520	\$0	\$7,200	\$13,440	
TOTAL		0	\$0		536,500	\$8,401		\$8,902		\$700	\$0	\$9,602	\$16,063	

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 BURCHARGES AND DIRECT BILLS				TOTAL						
FT-A ZONE 2 DEMAND CHARGES		TOTAL CONTRACT DEMAND (81+82)		FT-A ZONE 2 COMMODITY CHARGES		TOTAL CITY-GATE DELIVERIES (84+85)		EPCR ADJUSTMENT		TOTAL AEA CHARGE (87+88)		TOTAL \$8/D6 (89 + 91)		FT-A ZN-2 BMGTC (92+90+93)
MONTH	DEMAND CHARGE	CONTRACT DEMAND	TOTAL (81+82)	COMMODITY CHARGE	CITY-GATE DELIVERIES	TOTAL (84+85)	EPCR CHARGE	TOTAL (87+88)	AEA CHARGE	TOTAL (87+88)	OTHER	TOTAL \$8/D6 (89 + 91)	FT-A ZN-2 BMGTC (92+90+93)	
NOV. 16	\$5,5224	0	\$0	\$0.0021	0	\$0	\$0.0008	\$0	\$0.0013	\$0	\$0	\$0	\$0	
DEC. 16	\$5,5224	0	\$0	\$0.0021	0	\$0	\$0.0008	\$0	\$0.0013	\$0	\$0	\$0	\$0	
JAN. 17	\$5,5224	0	\$0	\$0.0021	0	\$0	\$0.0008	\$0	\$0.0013	\$0	\$0	\$0	\$0	
FEB. 17	\$5,5224	0	\$0	\$0.0021	0	\$0	\$0.0008	\$0	\$0.0013	\$0	\$0	\$0	\$0	
MAR. 17	\$5,5224	0	\$0	\$0.0021	0	\$0	\$0.0008	\$0	\$0.0013	\$0	\$0	\$0	\$0	
APR. 17	\$5,5224	0	\$0	\$0.0021	0	\$0	\$0.0010	\$0	\$0.0013	\$0	\$0	\$0	\$0	
MAY 17	\$5,5224	0	\$0	\$0.0021	0	\$0	\$0.0010	\$0	\$0.0013	\$0	\$0	\$0	\$0	
JUN. 17	\$5,5224	0	\$0	\$0.0021	0	\$0	\$0.0010	\$0	\$0.0013	\$0	\$0	\$0	\$0	
JUL. 17	\$5,5224	0	\$0	\$0.0021	0	\$0	\$0.0010	\$0	\$0.0013	\$0	\$0	\$0	\$0	
AUG. 17	\$5,5224	0	\$0	\$0.0021	0	\$0	\$0.0010	\$0	\$0.0013	\$0	\$0	\$0	\$0	
SEP. 17	\$5,5224	0	\$0	\$0.0021	0	\$0	\$0.0010	\$0	\$0.0013	\$0	\$0	\$0	\$0	
OCT. 17	\$5,5224	0	\$0	\$0.0021	0	\$0	\$0.0010	\$0	\$0.0013	\$0	\$0	\$0	\$0	
TOTAL		0	\$0		0	\$0		\$0		\$0	\$0	\$0	\$0	

COLUMN	94	95
TOTAL		TOTAL
MONTH	\$8/D6 (87+90+92)	\$8/D6 (87+90+92)
NOV. 16	\$628	\$313,776
DEC. 16	\$723	\$332,065
JAN. 17	\$868	\$320,650
FEB. 17	\$1,801	\$312,021
MAR. 17	\$494	\$311,452
APR. 17	\$0	\$311,936
MAY 17	\$0	\$319,033
JUN. 17	\$903	\$354,238
JUL. 17	\$417	\$336,233
AUG. 17	\$1,801	\$335,135
SEP. 17	\$2,047	\$333,686
OCT. 17	\$2,276	\$331,001
TOTAL	\$12,237	\$3,862,633

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

COLUMN	96		97		98		99	
	TOTAL BMT(GPL)		TOTAL BMT(GPL)		TOTAL BMT(GPL)		TOTAL BMT(GPL)	
MONTH	COI_96	COI_96	COI_97	COI_97	COI_98	COI_98	COI_99	COI_99
NOV. 16	\$2,684,611	\$313,776	\$0	\$0	\$0	\$0	\$2,998,387	\$0
DEC. 16	\$2,666,669	\$332,666	\$0	\$0	\$0	\$0	\$3,191,234	\$0
JAN. 17	\$2,736,976	\$320,659	\$0	\$0	\$0	\$0	\$3,059,636	\$0
FEB. 17	\$2,460,679	\$312,021	\$0	\$0	\$0	\$0	\$2,772,700	\$0
MAR. 17	\$2,712,379	\$311,452	\$0	\$0	\$0	\$0	\$3,023,831	\$0
APR. 17	\$1,462,202	\$311,636	\$0	\$0	\$0	\$0	\$1,807,138	\$0
MAY 17	\$1,085,703	\$319,033	\$0	\$0	\$0	\$0	\$1,404,736	\$0
JUN. 17	\$1,072,961	\$334,233	\$0	\$0	\$0	\$0	\$1,407,194	\$0
JUL. 17	\$1,182,181	\$336,233	\$0	\$0	\$0	\$0	\$1,518,414	\$0
AUG. 17	\$1,167,061	\$338,136	\$0	\$0	\$0	\$0	\$1,522,198	\$0
SEP. 17	\$1,152,348	\$333,669	\$0	\$0	\$0	\$0	\$1,486,237	\$0
OCT. 17	\$1,946,119	\$331,901	\$0	\$0	\$0	\$0	\$2,277,020	\$0
TOTAL	\$22,676,989	\$3,662,933	\$0	\$0	\$0	\$0	\$26,468,922	\$0

*THERE WERE NO TRANSACTIONS WHICH
 REQUIRED LOAN 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. 16	\$2,677,311	\$154,344	\$2,831,655
DEC. 16	\$2,858,569	\$173,233	\$3,031,802
JAN. 17	\$2,738,976	\$161,227	\$2,900,203
FEB. 17	\$2,460,679	\$152,589	\$2,613,268
MAR. 17	\$2,710,829	\$152,020	\$2,862,849
APR. 17	\$1,495,202	\$152,504	\$1,647,706
MAY 17	\$1,085,703	\$159,601	\$1,245,304
JUN. 17	\$1,072,961	\$174,801	\$1,247,762
JUL. 17	\$1,182,181	\$176,801	\$1,358,982
AUG. 17	\$1,187,061	\$175,703	\$1,362,764
SEP. 17	\$1,152,348	\$174,457	\$1,326,805
OCT. 17	\$1,945,119	\$172,469	\$2,117,588
TOTAL	\$22,566,939	\$1,979,749	\$24,546,688

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. 16	\$2,998,587	\$2,831,655	\$166,932
DEC. 16	\$3,191,234	\$3,031,802	\$159,432
JAN. 17	\$3,059,635	\$2,900,203	\$159,432
FEB. 17	\$2,772,700	\$2,613,268	\$159,432
MAR. 17	\$3,023,831	\$2,862,849	\$160,982
APR. 17	\$1,807,138	\$1,647,706	\$159,432
MAY 17	\$1,404,736	\$1,245,304	\$159,432
JUN. 17	\$1,407,194	\$1,247,762	\$159,432
JUL. 17	\$1,518,414	\$1,358,982	\$159,432
AUG. 17	\$1,522,196	\$1,362,764	\$159,432
SEP. 17	\$1,486,237	\$1,326,805	\$159,432
OCT. 17	\$2,277,020	\$2,117,588	\$159,432
TOTAL	\$26,468,922	\$24,546,688	\$1,922,234

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

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

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

Notes:

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

RATES PER DEKATHERM

COMMODITY RATES
 RATE SCHEDULE FOR FT-A

Base
 Commodity Rates

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

Minimum
 Commodity Rates 1/, 2/

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

Maximum
 Commodity Rates 1/, 2/, 3/

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

Notes:

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

FUEL AND EPCR

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

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	0.42%		1.42%	2.15%	2.64%	3.16%	3.57%	4.25%
L		0.18%						
1	0.54%		1.02%	1.80%	2.18%	2.67%	3.24%	3.70%
2	2.19%		1.09%	0.17%	0.37%	0.75%	1.31%	1.80%
3	2.64%		2.18%	0.37%	0.06%	1.06%	1.54%	2.07%
4	3.16%		2.48%	1.08%	1.30%	0.39%	0.63%	1.13%
5	3.70%		3.24%	1.31%	1.56%	0.63%	0.62%	0.81%
6	4.43%		3.84%	1.80%	2.07%	1.06%	0.48%	0.21%

EPCR 3/, 4/

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	\$0.0034		\$0.0130	\$0.0201	\$0.0250	\$0.0302	\$0.0344	\$0.0412
L		\$0.0011						
1	\$0.0046		\$0.0091	\$0.0167	\$0.0204	\$0.0253	\$0.0310	\$0.0356
2	\$0.0201		\$0.0098	\$0.0010	\$0.0030	\$0.0065	\$0.0120	\$0.0164
3	\$0.0250		\$0.0204	\$0.0030	\$0.0000	\$0.0096	\$0.0142	\$0.0189
4	\$0.0302		\$0.0234	\$0.0097	\$0.0118	\$0.0031	\$0.0054	\$0.0102
5	\$0.0344		\$0.0310	\$0.0120	\$0.0142	\$0.0054	\$0.0053	\$0.0071
6	\$0.0412		\$0.0356	\$0.0164	\$0.0189	\$0.0095	\$0.0040	\$0.0014

- 1/ Included in the above F&LR is the Losses component of the F&LR equal to 0.01%.
- 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 0.01%.
- 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.

FUEL AND EPCR

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

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

EPCR 3/, 4/

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

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

**FERC ACA UNIT CHARGE
EFFECTIVE OCTOBER 1, 2016**

FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, D.C. 20426

FY 2016 GAS ANNUAL CHARGES
CORRECTION FOR ANNUAL CHARGES UNIT CHARGE
June 24, 2016

The annual charges unit charge (ACA) to be applied to in fiscal year 2017 for recovery of FY 2016 Current year and 2015 True-Up is **\$0.0013** per Dekatherm (Dth). The new ACA surcharge will become effective October 1, 2016.

The following calculations were used to determine the FY 2016 unit charge:

2016 CURRENT:

Estimated Program Cost \$60,356,000 divided by 46,470,081,828 Dth = 0.0012988142

2015 TRUE-UP:

Debit/Credit Cost (\$892,042) divided by 44,588,799,565 Dth = (0.0000200060)

TOTAL UNIT CHARGE = 0.0012788082

If you have any questions, please contact Norman Richardson at (202)502-6219 or e-mail at Norman.Richardson@ferc.gov.

PUBLIC

**FERC ACA UNIT CHARGE
EFFECTIVE OCTOBER 1, 2017**

FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, D.C. 20426

FY 2016 GAS ANNUAL CHARGES
CORRECTION FOR ANNUAL CHARGES UNIT CHARGE
June 26, 2017

The annual charges unit charge (ACA) to be applied to in fiscal year 2018 for recovery of FY 2017 Current year and 2016 True-Up is **\$0.0013** per Dekatherm (Dth). The new ACA surcharge will become effective October 1, 2017.

The following calculations were used to determine the FY 2017 unit charge:

2017 CURRENT:

Estimated Program Cost \$61,436,000 divided by 47,684,694,955 Dth = 0.0012883798

2016 TRUE-UP:

Debit/Credit Cost (\$1,395,864) divided by 46,556,886,468 Dth = (0.0000299819)

TOTAL UNIT CHARGE = 0.0012583879

If you have any questions, please contact Norman Richardson at (202)502-6219 or e-mail at Norman.Richardson@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. 16	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DEC. 16	\$0	\$0	\$0	\$0	\$0	\$0	\$0
JAN. 17	\$0	\$0	\$0	\$0	\$0	\$0	\$0
FEB. 17	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MAR. 17	\$1,556,853	\$1,359,933	\$0	\$0	\$0	\$1,359,933	\$196,921
APR. 17	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MAY 17	\$0	\$0	\$0	\$0	\$0	\$0	\$0
JUN. 17	\$0	\$0	\$0	\$0	\$0	\$0	\$0
JUL. 17	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AUG. 17	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SEP. 17	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OCT. 17	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTALS	\$1,556,853	\$1,359,933	\$0	\$0	\$0	\$1,359,933	\$196,921

**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)

(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>\$1,747,156</u>	45.19%				
	Total	\$1,747,156			AGC	\$87,078,396	
Transportation Index Factor					Actual Transportation Costs		
TIF							
	Demand	\$1,922,234	49.72%				
	Commodity	<u>\$0</u>	0.00%				
	Total	\$1,922,234			TAAGTC	\$24,546,688	
Off-System Sales Index Factor							
OSSIF							
	Demand	\$0					
	Commodity	<u>\$196,921</u>	5.09%				
	Total	\$196,921					
Total All PBR Factors					Total Actual Gas Supply Costs		
	Demand	\$1,922,234					
	Commodity	<u>\$1,944,077</u>					
TPBRR		<u>\$3,866,311</u>	<u>49.72%</u>	<u>50.28%</u>	TAGSC	<u>\$111,625,084</u>	3.46%

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	\$3,348,753	25%	75%	\$2,511,565	\$837,188	\$3,348,753
50/50 Company/Customer Sharing In Excess of 3.0% of TAGSC	\$517,558	50%	50%	\$258,779	\$258,779	\$517,558
	<u>\$3,866,311</u>			<u>\$2,770,344</u>	<u>\$1,095,967</u>	<u>\$3,866,311</u>
Portion of Company Savings Attributable to Demand Costs		49.72%			\$544,915	
Portion of Company Savings Attributable to Commodity Costs		<u>50.28%</u>			\$551,052	
Total Company Portion of Savings		<u>100.00%</u>		CSPBR	<u>\$1,095,967</u>	