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**Activity Under LG&E's Performance-Based Ratemaking ("PBR") Mechanism for the PBR Period for the 12 Months Ended October 31, 2016**

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COMMISSION

Attached is a summary of LG&E's activity and the supporting documentation for the PBR mechanism covering the entirety of PBR Year 19 (November 1, 2015, through October 31, 2016) 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, 2017.

**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, 2016, LG&E has achieved the following results:*

|                         | <u>PBR-GAIF</u> | <u>PBR-TIF</u> | <u>PBR-OSSIF</u> | <u>Total</u> |
|-------------------------|-----------------|----------------|------------------|--------------|
| Nov. 2015               | \$151,214       | \$201,466      | \$0              | \$352,680    |
| Dec.                    | (\$99,348)      | \$196,178      | \$0              | \$96,830     |
| Jan. 2016               | \$204,598       | \$200,412      | \$0              | \$405,010    |
| <i>Qtr.</i><br>Subtotal | \$256,464       | \$598,056      | \$0              | \$854,520    |
| Feb.                    | (\$33,352)      | \$196,706      | \$0              | \$163,354    |
| Mar.                    | \$45,628        | \$202,806      | \$0              | \$248,434    |
| Apr.                    | \$4,141         | \$205,692      | \$0              | \$209,833    |
| <i>Qtr.</i><br>Subtotal | \$16,417        | \$605,204      | \$0              | \$621,621    |

|          | <u>PBR-GAIF</u> | <u>PBR-TIF</u> | <u>PBR-OSSIF</u> | <u>Total</u> |
|----------|-----------------|----------------|------------------|--------------|
| May 2016 | (\$6,963)       | \$218,627      | \$0              | \$211,664    |
| Jun.     | \$623,174       | \$231,565      | \$0              | \$854,739    |
| Jul.     | (\$23,023)      | \$233,637      | \$0              | \$210,614    |
| Qtr.     |                 |                |                  |              |
| Subtotal | \$593,188       | \$683,829      | \$0              | \$1,277,017  |
| Aug.     | \$170,441       | \$233,967      | \$0              | \$404,408    |
| Sep.     | \$147,791       | \$231,564      | \$18,300         | \$397,655    |
| Oct.     | \$63,173        | \$233,863      | \$0              | \$297,036    |
| Qtr.     |                 |                |                  |              |
| Subtotal | \$381,405       | \$699,394      | \$18,300         | \$1,099,099  |
| Total    | \$1,247,474     | \$2,586,483    | \$18,300         | \$3,852,257  |

*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.

Beginning October 12, 2015, the posting published in *Natural Gas Week* as used in the determination of the Supply Area Index (“SAI”) for Tennessee Gas Pipeline Company, Zone 0 has been renamed from “Texas: Gulf Coast, Onshore, Delivered to Pipeline” to “Texas: Central, Onshore, Delivered to Pipeline.”

Additionally, and beginning December 1, 2015, both *Platts Gas Daily* and *Platts Inside FERC’s—Gas Market Report* undertook to reorganize its North American gas regions and the indices that fall into the revised gas regions. This revision has resulted in renaming certain of these postings, but does not change the transactions included in the development of the price postings.

Specifically, and with respect to *Platts Gas Daily*,

- For use in the determination of the SAI for Texas Gas Zone SL (TGT-SL), “Louisiana – Onshore South, Texas Gas, Zone SL” will now be “Louisiana/Southeast, Tx. Gas, zone SL”

- For use in the determination of the SAI and the DAI for Texas Gas Zone 1 (TGT-1), “East Texas – North Louisiana Area, Texas Gas, zone 1” will now be “Louisiana/ Southeast, Tx. Gas, zone 1”
- For use in the determination of the SAI for Tennessee Zone 0 (TGPL-0), “South – Corpus Christi, Tennessee, zone 0” will now be “East Texas, Tennessee, zone 0”
- For use in the determination of the SAI for Tennessee Zone 1 (TGPL-1), “Louisiana – Onshore South, Tennessee, 500 Leg” will now be “Louisiana/Southeast, Tennessee, 500 Leg”

Specifically, and with respect to *Platts Inside FERC’s—Gas Market Report*,

- For use in the determination of the SAI for Texas Gas Zone SL (TGT-SL), “Texas Gas, Zone SL” will now be “Louisiana/Southeast, Texas Gas, zone SL”
- For use in the determination of the SAI for Texas Gas Zone 1 (TGT-1), “Texas Gas, Zone 1” will now be “Louisiana/Southeast, Texas Gas, zone 1”
- For use in the determination of the SAI for Texas Gas Zone 4 (TGT-4), “Northeast, Lebanon Hub” will now be “Appalachia, Lebanon Hub”
- For use in the determination of the SAI for Tennessee Zone 0 (TGPL-0), “Tennessee, Texas, zone 0” will now be “East Texas, Tennessee, zone 0”
- For use in the determination of the SAI for Tennessee Zone 1 (TGPL-1), “Tennessee, Louisiana, 500 leg” will now be “Louisiana/Southeast, Tennessee, Louisiana, 500 Leg”

*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 \$1,247,474.

**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 \$2,586,483. The portion of savings attributable to Texas Gas under PBR-TIF is \$673,299. 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 \$177,325, and the portion of savings attributable to any demand discounts is \$2,409,158.*

**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: Total savings under the OSSIF component of the PBR is \$18,300. 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. Any off-system sales are made to entities which are not affiliated with LG&E.*

**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 19 were \$3,852,257, and TAGSC was \$96,758,276, which is the sum of \$72,317,573 in AGC and \$24,440,703 in TAAGTC. Therefore, savings as a percentage of TAGSC were 3.98% ( $\$3,852,257 / \$96,758,276$ ). Hence, all of the savings up to \$2,902,748 ( $3.0\% \times \$96,758,276$ ) 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 \$949,509 ( $\$3,852,257 - \$2,902,748$ ), is the subject of the 50% sharing tier.

Therefore, the initial tier of the sliding scale is allocated on a 25/75 basis with \$725,687 ( $25\% \times \$2,902,748$ ) being allocated to the Company and \$2,177,061 ( $75\% \times \$2,902,748$ ) being allocated to customers. The second tier is subject to sharing on a 50/50 basis with

\$474,754 (50% x \$949,509) being allocated to the Company and \$474,755 (50% x \$949,509) being allocated to customers. Therefore, the total portion of the savings being retained by customers is \$2,651,816 (\$2,177,061 + \$474,755); and the total portion of the savings being allocated to the Company and collected from customers is \$1,200,441 (\$725,687 + \$474,754). Therefore, the CSPBR to be collected for the Company from customers by means of the PBRRC (as a part of the GSCC) is \$1,200,441.

The total to be collected for the Company from customers through the GSCC is 1,200,441. 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, \$750,756 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 \$449,685 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.

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**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<br>TRANSPORTED<br>UNDER<br>TGT RATE NNS | APV<br>TRANSPORTED<br>UNDER<br>TGT RATE FT | APV<br>TRANSPORTED<br>UNDER<br>TGT RATE STF | APV<br>TRANSPORTED<br>UNDER<br>TGFL FT-A | APV<br>TRANSPORTED<br>UNDER OTHER<br>CAPACITY | TOTAL APV FOR<br>SYSTEM SUPPLY<br>(1+2+3+4+5) | TGT OR TGFL<br>PEFDCQ | APV - PEFDCQ=<br>TOTAL APV FOR<br>SYSTEM SUPPLY<br>(6-7) | TGT ZONE SL<br>0.00%<br>0.09% | TGT ZONE 1<br>48.43%<br>22.77% | TGT ZONE 4<br>41.99%<br>61.71% | TGFL ZONE 0<br>9.59%<br>15.43% | TGFL ZONE 1<br>0.00%<br>0.00% |
|        |   |  |   |  |   |   |                       |  | (C. 8 X SZFQE%)               | (C. 8 X SZFQE%)                | (C. 8 X SZFQE%)                | (C. 8 X SZFQE%)                | (C. 8 X SZFQE%)               |
| Nov 15 | 1,707,230                                   | 305,460                                    | 0   | 608,880                                  | 0   | 2,621,570                                     | 0                     | 2,621,570  | 0                             | 1,269,626                      | 1,100,535                      | 251,409                        | 0                             |
| Dec 15 | 762,658                                     | 85,642                                     | 0   | 311,184                                  | 0   | 1,169,484                                     | 0                     | 1,169,484  | 0                             | 566,381                        | 490,949                        | 112,154                        | 0                             |
| Jan 16 | 928,563                                     | 235,642                                    | 652,752                                     | 625,574                                  | 410,000                                       | 2,852,531                                     | 0                     | 2,852,531  | 0                             | 1,381,481                      | 1,107,492                      | 273,558                        | 0                             |
| Feb 16 | 1,165,952                                   | 185,278                                    | 0   | 405,920                                  | 490,000                                       | 2,267,150                                     | 0                     | 2,267,150  | 0                             | 1,097,981                      | 951,749                        | 217,420                        | 0                             |
| Mar 16 | 1,040,190                                   | 314,807                                    | 0   | 223,256                                  | 0   | 1,578,253                                     | 0                     | 1,578,253  | 0                             | 764,348                        | 662,551                        | 151,354                        | 0                             |
| Apr 16 | 1,021,516                                   | 0  | 0   | 0  | 0   | 1,021,516                                     | 0                     | 1,021,516  | 919                           | 232,599                        | 630,378                        | 157,620                        | 0                             |
| May 16 | 1,255,860                                   | 310,640                                    | 66,000                                      | 0  | 0   | 1,632,500                                     | 0                     | 1,632,500  | 1,469                         | 371,720                        | 1,007,416                      | 251,895                        | 0                             |
| Jun 16 | 677,190                                     | 309,460                                    | 549,840                                     | 609,480                                  | 299,976                                       | 2,445,946                                     | 0                     | 2,445,946  | 2,201                         | 556,942                        | 1,509,393                      | 377,410                        | 0                             |
| Jul 16 | 774,033                                     | 981,456                                    | 561,339                                     | 629,796                                  | 620,000                                       | 3,546,624                                     | 0                     | 3,546,624  | 3,192                         | 807,566                        | 2,188,622                      | 547,244                        | 0                             |
| Aug 16 | 1,319,739                                   | 935,642                                    | 568,188                                     | 629,796                                  | 620,000                                       | 4,073,345                                     | 0                     | 4,073,345  | 3,666                         | 927,501                        | 2,513,681                      | 626,517                        | 0                             |
| Sep 16 | 1,217,190                                   | 905,460                                    | 549,840                                     | 609,480                                  | 600,000                                       | 3,881,970                                     | 0                     | 3,881,970  | 3,494                         | 883,924                        | 2,395,564                      | 598,988                        | 0                             |
| Oct 16 | 981,350                                     | 934,368                                    | 565,927                                     | 629,796                                  | 620,000                                       | 3,731,441                                     | 0                     | 3,731,441  | 3,358                         | 849,649                        | 2,302,672                      | 575,762                        | 0                             |
| Total  | 12,871,471                                  | 5,493,855                                  | 3,513,866                                   | 5,283,162                                | 3,659,976                                     | 30,822,330                                    | 0                     | 30,822,330   | 18,299                        | 9,709,718                      | 16,950,982                     | 4,143,331                      | 0                             |

| Column | 14            | 15                            | 16            | 17                             | 18            | 19                             | 20             | 21                              | 22             | 23                              | 24  | 25                                    |
|--------|---------------|-------------------------------|---------------|--------------------------------|---------------|--------------------------------|----------------|---------------------------------|----------------|---------------------------------|-----|---------------------------------------|
|        | SAI<br>TGT-SL | APV x SAI<br>TGT-SL<br>(9X14) | SAI<br>TGT-Z1 | APV x SAI<br>TGT-Z1<br>(10X16) | SAI<br>TGT-Z4 | APV x SAI<br>TGT-Z4<br>(11X18) | SAI<br>TGPL-Z0 | APV x SAI<br>TGPL-Z0<br>(12X20) | SAI<br>TGPL-Z1 | APV x SAI<br>TGPL-Z1<br>(13X22) | DAI | TOTAL<br>BMGCC<br>(15+17+19+21+23+24) |
| Nov 15 | \$2,0036      | \$0                           | \$1,9943      | \$2,532,015                    | \$2,0475      | \$2,253,345                    | \$1,9819       | \$498,267                       | \$2,0062       | \$0                             | \$0 | \$5,283,627                           |
| Dec 15 | \$1,9080      | \$0                           | \$1,8947      | \$1,073,122                    | \$1,9745      | \$969,379                      | \$1,8907       | \$212,050                       | \$1,9081       | \$0                             | \$0 | \$2,254,551                           |
| Jan 16 | \$2,2750      | \$0                           | \$2,2680      | \$3,133,199                    | \$2,3648      | \$2,831,629                    | \$2,2446       | \$614,028                       | \$2,2769       | \$0                             | \$0 | \$6,579,056                           |
| Feb 16 | \$1,9995      | \$0                           | \$1,9904      | \$2,185,421                    | \$2,0162      | \$1,918,918                    | \$1,9755       | \$429,513                       | \$2,0058       | \$0                             | \$0 | \$4,533,850                           |
| Mar 16 | \$1,6442      | \$0                           | \$1,6317      | \$1,247,187                    | \$1,6343      | \$1,082,807                    | \$1,6408       | \$248,342                       | \$1,6580       | \$0                             | \$0 | \$2,578,336                           |
| Apr 16 | \$1,8293      | \$1,681                       | \$1,8189      | \$423,074                      | \$1,8098      | \$1,140,858                    | \$1,7992       | \$283,590                       | \$1,8298       | \$0                             | \$0 | \$1,849,203                           |
| May 16 | \$1,8481      | \$2,715                       | \$1,8478      | \$686,864                      | \$1,8579      | \$1,871,678                    | \$1,8336       | \$461,975                       | \$1,8805       | \$0                             | \$0 | \$3,023,132                           |
| Jun 16 | \$2,2377      | \$4,925                       | \$2,2326      | \$1,243,429                    | \$2,2197      | \$3,350,400                    | \$2,2175       | \$836,907                       | \$2,2581       | \$0                             | \$0 | \$5,435,661                           |
| Jul 16 | \$2,7577      | \$8,803                       | \$2,7440      | \$2,215,981                    | \$2,7370      | \$5,990,258                    | \$2,7115       | \$1,483,852                     | \$2,7760       | \$0                             | \$0 | \$9,698,874                           |
| Aug 16 | \$2,6625      | \$9,761                       | \$2,6501      | \$2,457,970                    | \$2,6447      | \$6,647,879                    | \$2,6258       | \$1,650,360                     | \$2,6793       | \$0                             | \$0 | \$10,765,970                          |
| Sep 16 | \$2,8469      | \$9,947                       | \$2,8276      | \$2,499,384                    | \$2,8290      | \$6,777,051                    | \$2,8269       | \$1,693,279                     | \$2,8674       | \$0                             | \$0 | \$10,979,661                          |
| Oct 16 | \$2,8235      | \$9,481                       | \$2,8263      | \$2,401,363                    | \$2,8270      | \$6,509,654                    | \$2,8877       | \$1,662,628                     | \$2,8757       | \$0                             | \$0 | \$10,583,126                          |
| Total  |               | \$47,313                      |               | \$22,088,989                   |               | \$41,344,054                   |                | \$10,074,691                    |                | \$0                             | \$0 | \$73,565,047                          |

**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<br>TRANSPORTED<br>UNDER LG&E'S<br>TGT RATE NNS | COST OF GAS<br>TRANSPORTED<br>UNDER LG&E'S<br>RATE NNS | APV<br>TRANSPORTED<br>UNDER LG&E'S<br>TGT RATE FT | COST OF GAS<br>TRANSPORTED<br>UNDER LG&E'S<br>TGT RATE FT | APV<br>TRANSPORTED<br>UNDER LG&E'S<br>TGT RATE STF | COST OF GAS<br>TRANSPORTED<br>UNDER LG&E'S<br>TGT RATE STF | APV<br>TRANSPORTED<br>UNDER LG&E'S<br>TGPL RATE<br>FT-A | COST OF GAS<br>TRANSPORTED<br>UNDER LG&E'S<br>TGPL RATE<br>FT-A | APV<br>TRANSPORTED<br>UNDER OTHER<br>CAPACITY | COST OF GAS<br>TRANSPORTED<br>UNDER OTHER<br>CAPACITY |
| Nov 15 | 1,707,230  | \$3,357,221  | 305,460   | \$593,965   | 0  | \$0  | 608,880   | \$1,181,227   | 0   | \$0   |
| Dec 15 | 762,658  | \$1,590,006  | 95,642  | \$180,433   | 0  | \$0  | 311,184   | \$583,460   | 0   | \$0   |
| Jan 16 | 928,563  | \$2,114,799  | 235,642   | \$536,555   | 652,752  | \$1,457,084  | 625,574   | \$1,395,020   | 410,000                                       | \$871,000   |
| Feb 16 | 1,185,952  | \$2,466,647  | 185,278   | \$375,266   | 0  | \$0  | 405,920   | \$818,639   | 490,000                                       | \$906,650   |
| Mar 16 | 1,040,190  | \$1,685,829  | 314,807   | \$502,354   | 0  | \$0  | 223,256   | \$344,525   | 0   | \$0   |
| Apr 16 | 1,021,516  | \$1,845,062  | 0   | \$0   | 0  | \$0  | 0   | \$0   | 0   | \$0   |
| May 16 | 1,255,860  | \$2,332,299  | 310,640   | \$577,411   | 66,000   | \$120,385  | 0   | \$0   | 0   | \$0   |
| Jun 16 | 677,190  | \$1,266,345  | 309,460   | \$580,050   | 549,840  | \$1,028,201  | 609,480   | \$1,298,192   | 299,976                                       | \$639,699   |
| Jul 16 | 774,033  | \$2,152,333  | 961,456   | \$2,640,185   | 561,339  | \$1,533,423  | 629,796   | \$1,710,506   | 620,000                                       | \$1,685,450   |
| Aug 16 | 1,319,739  | \$3,437,227  | 935,642   | \$2,447,456   | 568,168  | \$1,465,874  | 629,796   | \$1,634,422   | 620,000                                       | \$1,610,550   |
| Sep 16 | 1,217,190  | \$3,391,744  | 905,460   | \$2,534,020   | 549,840  | \$1,517,558  | 609,480   | \$1,706,798   | 600,000                                       | \$1,681,750   |
| Oct 16 | 981,350  | \$2,709,061  | 934,368   | \$2,641,067   | 565,927  | \$1,584,989  | 629,796   | \$1,805,686   | 620,000                                       | \$1,779,150   |
|        | 12,871,471   | \$28,348,573   | 5,493,855   | \$13,608,762  | 3,513,866  | \$8,707,514  | 5,283,162   | \$12,478,475  | 3,659,976                                     | \$9,174,249   |

Column 11

TOTAL  
GAS COMMODITY  
COSTS  
(2+4+6+8+10)

|        |              |
|--------|--------------|
| Nov 15 | \$5,132,413  |
| Dec 15 | \$2,353,899  |
| Jan 16 | \$6,374,458  |
| Feb 16 | \$4,567,202  |
| Mar 16 | \$2,532,708  |
| Apr 16 | \$1,845,062  |
| May 16 | \$3,030,095  |
| Jun 16 | \$4,812,487  |
| Jul 16 | \$9,721,897  |
| Aug 16 | \$10,595,529 |
| Sep 16 | \$10,831,870 |
| Oct 16 | \$10,519,953 |
| Total  | \$72,317,573 |

**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<br>FROM<br>COL. 25 | AGC<br>FROM<br>COL. 11 | SAVINGS/<br>(EXPENSES)<br>(1 - 2) |
| Nov 15 | \$5,283,627            | \$5,132,413            | \$151,214                         |
| Dec 15 | \$2,254,551            | \$2,353,899            | (\$99,348)                        |
| Jan 16 | \$6,579,056            | \$6,374,458            | \$204,598                         |
| Feb 16 | \$4,533,850            | \$4,567,202            | (\$33,352)                        |
| Mar 16 | \$2,578,336            | \$2,532,708            | \$45,628                          |
| Apr 16 | \$1,849,203            | \$1,845,062            | \$4,141                           |
| May 16 | \$3,023,132            | \$3,030,095            | (\$6,963)                         |
| Jun 16 | \$5,435,661            | \$4,812,487            | \$623,174                         |
| Jul 16 | \$9,698,874            | \$9,721,897            | (\$23,023)                        |
| Aug 16 | \$10,765,970           | \$10,595,529           | \$170,441                         |
| Sep 16 | \$10,979,661           | \$10,831,870           | \$147,791                         |
| Oct 16 | \$10,583,126           | \$10,519,953           | \$63,173                          |
| Total  | \$73,565,047           | \$72,317,573           | \$1,247,474                       |

**PBR-GAIF  
INDICES**

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

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

|         | NATURAL<br>GAS WEEK<br>LOUISIANA, GULF<br>COAST, ONSHORE | PLATTS<br>GAS DAILY AVERAGE<br>LOUISIANA/<br>SOUTHEAST,<br>TX. GAS, ZONE SL | PLATTS<br>INSIDE FERC's<br>GAS MARKET REPORT<br>LOUISIANA/SOUTHEAST<br>TEXAS GAS, ZONE SL | AVERAGE  |
|---------|--|---|---|----------|
| Nov. 15 | \$2.0200   | \$2.0207  | \$1.9700  | \$2.0036 |
| Dec. 15 | \$1.7600   | \$1.8140  | \$2.1500  | \$1.9080 |
| Jan. 16 | \$2.2575   | \$2.2174  | \$2.3500  | \$2.2750 |
| Feb. 16 | \$1.9400   | \$1.9085  | \$2.1500  | \$1.9995 |
| Mar. 16 | \$1.6525   | \$1.6400  | \$1.6400  | \$1.6442 |
| Apr. 16 | \$1.8225   | \$1.8254  | \$1.8400  | \$1.8293 |
| May 16  | \$1.8260   | \$1.8083  | \$1.9100  | \$1.8481 |
| Jun. 16 | \$2.4175   | \$2.4057  | \$1.8900  | \$2.2377 |
| Jul. 16 | \$2.7325   | \$2.7005  | \$2.8400  | \$2.7577 |
| Aug. 16 | \$2.7080   | \$2.6794  | \$2.6000  | \$2.6625 |
| Sep. 16 | \$2.8925   | \$2.8682  | \$2.7800  | \$2.8469 |
| Oct. 16 | \$2.8460   | \$2.7545  | \$2.8700  | \$2.8235 |

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

| NATURAL GAS WEEK<br>LOUISIANA, GULF COAST, ONSHORE |          |                 | NATURAL GAS WEEK<br>LOUISIANA, GULF COAST, ONSHORE |          |                 |
|--|----------|-----------------|--|----------|-----------------|
|  |          | MONTHLY AVERAGE |  |          | MONTHLY AVERAGE |
| 11/02/2015   | \$2.0000 |                 | 05/02/2016   | \$1.8600 |                 |
| 11/09/2015   | \$2.0000 |                 | 05/09/2016   | \$1.7900 |                 |
| 11/16/2015   | \$1.9900 |                 | 05/16/2016   | \$1.9000 |                 |
| 11/23/2015   | \$2.1200 |                 | 05/23/2016   | \$1.7600 |                 |
| 11/30/2015   | \$1.9900 | \$2.0200        | 05/30/2016   | \$1.8200 | \$1.83          |
| 12/07/2015   | \$2.0800 |                 | 06/06/2016   | \$2.1400 |                 |
| 12/14/2015   | \$1.7900 |                 | 06/13/2016   | \$2.3400 |                 |
| 12/21/2015   | \$1.6700 |                 | 06/20/2016   | \$2.5500 |                 |
| 12/28/2015   | \$1.5000 | \$1.7600        | 06/27/2016   | \$2.6400 | \$2.4175        |
| 01/04/2016   | \$2.2700 |                 | 07/04/2016   | \$2.7900 |                 |
| 01/11/2016   | \$2.3900 |                 | 07/11/2016   | \$2.7500 |                 |
| 01/18/2016   | \$2.2100 |                 | 07/18/2016   | \$2.6600 |                 |
| 01/25/2016   | \$2.1600 | \$2.2575        | 07/25/2016   | \$2.7300 | \$2.7325        |
| 02/01/2016   | \$2.1300 |                 | 08/01/2016   | \$2.7200 |                 |
| 02/08/2016   | \$2.0500 |                 | 08/08/2016   | \$2.7900 |                 |
| 02/15/2016   | \$2.0300 |                 | 08/15/2016   | \$2.6400 |                 |
| 02/22/2016   | \$1.8300 |                 | 08/22/2016   | \$2.6200 |                 |
| 02/29/2016   | \$1.6600 | \$1.9400        | 08/29/2016   | \$2.7700 | \$2.7080        |
| 03/07/2016   | \$1.4900 |                 | 09/05/2016   | \$2.8200 |                 |
| 03/14/2016   | \$1.6300 |                 | 09/12/2016   | \$2.8000 |                 |
| 03/21/2016   | \$1.7800 |                 | 09/19/2016   | \$2.9300 |                 |
| 03/28/2016   | \$1.7100 | \$1.6525        | 09/26/2016   | \$3.0200 | \$2.8925        |
| 04/04/2016   | \$1.8100 |                 | 10/03/2016   | \$2.8400 |                 |
| 04/11/2016   | \$1.8900 |                 | 10/10/2016   | \$2.8800 |                 |
| 04/18/2016   | \$1.7200 |                 | 10/17/2016   | \$3.0700 |                 |
| 04/25/2016   | \$1.8700 | \$1.8225        | 10/24/2016   | \$2.8300 |                 |
|  |          |                 | 10/31/2016   | \$2.6100 | \$2.8460        |

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

| NOVEMBER<br>2015 |            | DECEMBER<br>2015 |            | JANUARY<br>2016 |            | FEBRUARY<br>2016 |            | MARCH<br>2016 |            | APRIL<br>2016 |          |
|------------------|------------|------------------|------------|-----------------|------------|------------------|------------|---------------|------------|---------------|----------|
| DAY              | MIDPOINT   | MIDPOINT         | MIDPOINT   | DAY             | MIDPOINT   | MIDPOINT         | MIDPOINT   | MIDPOINT      | MIDPOINT   | MIDPOINT      | MIDPOINT |
| 1                | \$ 1.9100  | \$ 2.0600        | \$ 2.2600  | 1               |            |                  | \$ 1.5300  |               | \$ 1.8600  |               |          |
| 2                | \$ 1.9100  | \$ 2.1500        | \$ 2.2600  | 2               |            |                  |            |               | \$ 1.8000  |               |          |
| 3                | \$ 1.8500  | \$ 2.1600        | \$ 2.2600  | 3               |            |                  |            |               | \$ 1.8000  |               |          |
| 4                | \$ -       | \$ 2.0700        | \$ 2.2600  | 4               | \$ 2.0100  |                  |            |               | \$ 1.8000  |               |          |
| 5                | \$ -       | \$ 2.0200        | \$ 2.3600  | 5               |            |                  |            |               | \$ 1.8600  |               |          |
| 6                | \$ -       | \$ 2.0200        | \$ 2.2750  | 6               |            |                  |            |               | \$ 1.8500  |               |          |
| 7                | \$ -       | \$ 2.0200        | \$ 2.2800  | 7               |            |                  |            |               | \$ 1.8100  |               |          |
| 8                | \$ -       | \$ 1.9800        | \$ 2.2700  | 8               |            |                  |            |               | \$ 1.8600  |               |          |
| 9                | \$ -       | \$ 1.9300        | \$ 2.4200  | 9               |            |                  | \$ 1.4700  |               | \$ 1.9000  |               |          |
| 10               | \$ -       | \$ 1.9350        | \$ 2.4200  | 10              | \$ 2.1300  |                  |            |               | \$ 1.9000  |               |          |
| 11               | \$ 2.0600  | \$ 1.8600        | \$ 2.4200  | 11              |            |                  |            |               | \$ 1.9000  |               |          |
| 12               | \$ 2.0200  | \$ 1.7250        | \$ 2.4200  | 12              |            |                  |            |               | \$ 1.8000  |               |          |
| 13               | \$ -       | \$ 1.7250        | \$ 2.2900  | 13              | \$ 1.9850  |                  |            |               | \$ 1.8600  |               |          |
| 14               | \$ -       | \$ 1.7250        | \$ 2.2200  | 14              | \$ 1.9850  |                  |            |               | \$ 1.8600  |               |          |
| 15               | \$ -       | \$ -             | \$ 2.1600  | 15              | \$ 1.9850  |                  |            |               |            |               |          |
| 16               | \$ -       | \$ 1.6000        | \$ 2.1600  | 16              | \$ 1.9850  |                  |            |               | \$ 1.6300  |               |          |
| 17               | \$ -       | \$ 1.6600        | \$ 2.1600  | 17              |            |                  | \$ 1.7000  |               | \$ 1.6300  |               |          |
| 18               | \$ -       | \$ 1.7000        | \$ 2.1600  | 18              | \$ 1.8300  |                  | \$ 1.7600  |               | \$ 1.6300  |               |          |
| 19               | \$ -       | \$ 1.6400        | \$ 2.1600  | 19              |            |                  |            |               |            |               |          |
| 20               | \$ -       | \$ 1.6400        | \$ 2.1300  | 20              |            |                  |            |               | \$ 1.8500  |               |          |
| 21               | \$ 2.1700  | \$ 1.6400        | \$ 2.0950  | 21              |            |                  |            |               | \$ 1.8900  |               |          |
| 22               | \$ 2.1700  | \$ 1.7000        |            | 22              |            |                  |            |               |            |               |          |
| 23               | \$ 2.1700  | \$ 1.6500        | \$ 2.1500  | 23              |            |                  |            |               | \$ 1.8500  |               |          |
| 24               | \$ 2.1200  | \$ 1.5100        | \$ 2.1500  | 24              | \$ 1.7500  |                  |            |               | \$ 1.8500  |               |          |
| 25               | \$ 2.0800  | \$ 1.4200        | \$ 2.1500  | 25              | \$ 1.7200  |                  | \$ 1.6650  |               | \$ 1.8500  |               |          |
| 26               | \$ 1.9700  | \$ 1.4200        | \$ 2.0750  | 26              | \$ 1.7050  |                  | \$ 1.6650  |               |            |               |          |
| 27               | \$ 1.9700  | \$ 1.4200        |            | 27              |            |                  | \$ 1.6650  |               | \$ 1.8400  |               |          |
| 28               | \$ 1.9700  | \$ 1.4200        | \$ 2.1900  | 28              |            |                  | \$ 1.6650  |               | \$ 1.8600  |               |          |
| 29               | \$ 1.9700  | \$ 2.0600        | \$ 2.0500  | 29              |            |                  |            |               | \$ 1.8600  |               |          |
| 30               | \$ 1.9700  | \$ 2.3500        | \$ 2.0500  | 30              |            |                  |            |               | \$ 1.8600  |               |          |
| 31               |            | \$ 2.2100        | \$ 2.0500  | 31              |            |                  |            |               |            |               |          |
| TOTAL            | \$ 30.3100 | \$ 54.4200       | \$ 64.3050 | TOTAL           | \$ 19.0850 |                  | \$ 13.1200 |               | \$ 47.4600 |               |          |
| POSTINGS         | 15         | 30               | 29         | POSTINGS        | 10         |                  | 8          |               | 26         |               |          |
| AVERAGE          | \$ 2.0207  | \$ 1.8140        | \$ 2.2174  | AVERAGE         | \$ 1.9085  |                  | \$ 1.6400  |               | \$ 1.8254  |               |          |



| MAY<br>2016 |            | JUNE<br>2016 |            | JULY<br>2016 |            | AUGUST<br>2016 |            | SEPTEMBER<br>2016 |          | OCTOBER<br>2016 |          |
|-------------|------------|--------------|------------|--------------|------------|----------------|------------|-------------------|----------|-----------------|----------|
| DAY         | MIDPOINT   | MIDPOINT     | MIDPOINT   | MIDPOINT     | DAY        | MIDPOINT       | MIDPOINT   | MIDPOINT          | MIDPOINT | DAY             | MIDPOINT |
| 1           | \$ 1.8200  | \$ 2.0400    | \$ 2.7750  | \$ 2.8200    | 1          | \$ 2.8200      | \$ 2.7650  | \$ 2.7050         |          |                 |          |
| 2           | \$ 1.8200  | \$ 2.2100    | \$ 2.7800  | \$ 2.7900    | 2          | \$ 2.7900      | \$ 2.7600  | \$ 2.7050         |          |                 |          |
| 3           | \$ 1.8200  | \$ 2.2200    | \$ 2.7800  | \$ 2.6800    | 3          | \$ 2.6800      | \$ 2.7400  | \$ 2.7050         |          |                 |          |
| 4           | \$ 1.8400  | \$ 2.1600    | \$ 2.7800  | \$ 2.7700    | 4          | \$ 2.7700      | \$ 2.7400  | \$ 2.6800         |          |                 |          |
| 5           | \$ 1.9300  | \$ 2.1600    | \$ 2.7800  | \$ 2.7700    | 5          | \$ 2.7700      | \$ 2.7400  | \$ 2.7300         |          |                 |          |
| 6           | \$ 1.9200  | \$ 2.1600    | \$ 2.7000  | \$ 2.7400    | 6          | \$ 2.7400      | \$ 2.7400  | \$ 2.7950         |          |                 |          |
| 7           | \$ 1.7550  | \$ 2.2200    | \$ 2.6400  | \$ 2.7400    | 7          | \$ 2.7400      | \$ 2.7550  | \$ -              |          |                 |          |
| 8           | \$ 1.7550  | \$ 2.2100    | \$ 2.7500  | \$ 2.7400    | 8          | \$ 2.7400      | \$ 2.7400  | \$ 2.8200         |          |                 |          |
| 9           | \$ 1.7550  | \$ 2.2500    | \$ 2.6700  | \$ 2.7200    | 9          | \$ 2.7200      | \$ 2.7550  | \$ 2.8200         |          |                 |          |
| 10          | \$ 1.8900  | \$ 2.2450    | \$ 2.6700  | \$ 2.6500    | 10         | \$ 2.6500      | \$ 2.8300  | \$ 2.8200         |          |                 |          |
| 11          | \$ 1.9400  | \$ 2.3600    | \$ 2.6700  | \$ 2.6200    | 11         | \$ 2.6200      | \$ 2.8300  | \$ -              |          |                 |          |
| 12          |            | \$ 2.3600    | \$ 2.7400  | \$ 2.5400    | 12         | \$ 2.5400      | \$ 2.8300  | \$ -              |          |                 |          |
| 13          |            | \$ 2.3600    | \$ 2.6500  | \$ 2.5600    | 13         | \$ 2.5600      | \$ 2.8900  | \$ -              |          |                 |          |
| 14          |            | \$ 2.4500    | \$ 2.7000  | \$ 2.5600    | 14         | \$ 2.5600      | \$ 2.9700  | \$ -              |          |                 |          |
| 15          |            | \$ 2.4600    | \$ 2.6800  | \$ 2.5600    | 15         | \$ 2.5600      | \$ 2.9250  | \$ -              |          |                 |          |
| 16          |            | \$ 2.5400    | \$ 2.5900  | \$ 2.6100    | 16         | \$ 2.6100      | \$ 2.8300  | \$ -              |          |                 |          |
| 17          | \$ 1.8300  |              | \$ 2.5900  | \$ 2.5900    | 17         | \$ 2.5900      | \$ 2.8450  | \$ -              |          |                 |          |
| 18          | \$ 1.8600  | \$ 2.4700    | \$ 2.5900  | \$ 2.5950    | 18         | \$ 2.5950      | \$ 2.8450  | \$ -              |          |                 |          |
| 19          | \$ 1.8000  | \$ 2.4700    | \$ 2.7350  | \$ 2.5900    | 19         | \$ 2.5900      | \$ 2.8450  | \$ 3.0800         |          |                 |          |
| 20          | \$ 1.7500  | \$ 2.4700    | \$ 2.7500  | \$ 2.5500    | 20         | \$ 2.5500      | \$ 2.9300  | \$ 3.0600         |          |                 |          |
| 21          | \$ 1.6900  | \$ 2.6100    | \$ 2.6700  | \$ 2.5500    | 21         | \$ 2.5500      | \$ 3.0400  | \$ 2.9700         |          |                 |          |
| 22          | \$ 1.6900  | \$ 2.6800    | \$ 2.6650  | \$ 2.6300    | 22         | \$ 2.6300      | \$ 3.0900  | \$ 2.7950         |          |                 |          |
| 23          | \$ 1.6900  |              | \$ 2.7400  | \$ 2.6300    | 23         | \$ 2.6300      | \$ 3.0850  | \$ 2.7950         |          |                 |          |
| 24          | \$ 1.8700  | \$ 2.5800    | \$ 2.7400  | \$ 2.6200    | 24         | \$ 2.6200      | \$ 2.9600  | \$ 2.7950         |          |                 |          |
| 25          | \$ 1.8000  | \$ 2.5900    | \$ 2.7400  | \$ 2.7100    | 25         | \$ 2.7100      | \$ 2.9600  | \$ 2.6650         |          |                 |          |
| 26          | \$ 1.7300  | \$ 2.5900    | \$ 2.7400  | \$ 2.7400    | 26         | \$ 2.7400      | \$ 2.9600  | \$ 2.6800         |          |                 |          |
| 27          | \$ 1.7000  | \$ 2.5900    | \$ 2.6750  | \$ 2.7800    | 27         | \$ 2.7800      | \$ 2.9600  | \$ 2.6600         |          |                 |          |
| 28          | \$ 1.8400  | \$ 2.6300    | \$ 2.6850  | \$ 2.7800    | 28         | \$ 2.7800      | \$ 2.9350  | \$ 2.6100         |          |                 |          |
| 29          | \$ 1.8400  |              | \$ 2.6800  | \$ 2.7800    | 29         | \$ 2.7800      | \$ 2.8700  | \$ 2.5700         |          |                 |          |
| 30          | \$ 1.8400  | \$ 2.8700    | \$ 2.6800  | \$ 2.8550    | 30         | \$ 2.8550      | \$ 2.8800  | \$ 2.5700         |          |                 |          |
| 31          | \$ 1.8400  |              | \$ 2.6800  | \$ 2.8700    | 31         | \$ 2.8700      |            | \$ 2.5700         |          |                 |          |
| TOTAL       | \$ 47.0150 | \$ 64.9550   | \$ 83.7150 | TOTAL        | \$ 83.0600 | \$ 86.0450     | \$ 60.6000 |                   |          |                 |          |
| POSTINGS    | 26         | 27           | 31         | POSTINGS     | 31         | 30             | 22         |                   |          |                 |          |
| AVERAGE     | \$ 1.8083  | \$ 2.4057    | \$ 2.7005  | AVERAGE      | \$ 2.6794  | \$ 2.8682      | \$ 2.7545  |                   |          |                 |          |

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

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

|         | NATURAL<br>GAS WEEK<br>LOUISIANA<br>NORTH | PLATTS<br>GAS DAILY AVERAGE<br>LOUISIANA/<br>SOUTHEAST,<br>TX. GAS, ZONE 1 | PLATTS<br>INSIDE FERC's<br>GAS MARKET REPORT<br>LOUISIANA/SOUTHEAST<br>TEXAS GAS, ZONE 1 | AVERAGE  |
|---------|---|--|--|----------|
| Nov. 15 | \$2.0200                                  | \$2.0128   | \$1.9500   | \$1.9943 |
| Dec. 15 | \$1.7475                                  | \$1.8065   | \$2.1300   | \$1.8947 |
| Jan. 16 | \$2.2625                                  | \$2.2216   | \$2.3200   | \$2.2680 |
| Feb. 16 | \$1.9360                                  | \$1.8952   | \$2.1400   | \$1.9904 |
| Mar. 16 | \$1.6325                                  | \$1.6326   | \$1.6300   | \$1.6317 |
| Apr. 16 | \$1.8050                                  | \$1.8218   | \$1.8300   | \$1.8189 |
| May 16  | \$1.8180                                  | \$1.8255   | \$1.9000   | \$1.8478 |
| Jun. 16 | \$2.3900                                  | \$2.4378   | \$1.8700   | \$2.2326 |
| Jul. 16 | \$2.7025                                  | \$2.6894   | \$2.8400   | \$2.7440 |
| Aug. 16 | \$2.6860                                  | \$2.6842   | \$2.5800   | \$2.6501 |
| Sep. 16 | \$2.8550                                  | \$2.8677   | \$2.7600   | \$2.8276 |
| Oct. 16 | \$2.8080                                  | \$2.8108   | \$2.8600   | \$2.8263 |

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

| NATURAL GAS WEEK LOUISIANA NORTH |          |                 | NATURAL GAS WEEK LOUISIANA NORTH |          |                 |
|----------------------------------|----------|-----------------|----------------------------------|----------|-----------------|
|                                  |          | MONTHLY AVERAGE |                                  |          | MONTHLY AVERAGE |
| 11/02/2015                       | \$1.9700 |                 | 05/02/2016                       | \$1.8500 |                 |
| 11/09/2015                       | \$2.0500 |                 | 05/09/2016                       | \$1.7900 |                 |
| 11/16/2015                       | \$1.9900 |                 | 05/16/2016                       | \$1.8800 |                 |
| 11/23/2015                       | \$2.1200 |                 | 05/23/2016                       | \$1.7400 |                 |
| 11/30/2015                       | \$1.9700 | \$2.0200        | 05/30/2016                       | \$1.8300 | \$1.82          |
| 12/07/2015                       | \$2.0700 |                 | 06/06/2016                       | \$2.1000 |                 |
| 12/14/2015                       | \$1.8200 |                 | 06/13/2016                       | \$2.3400 |                 |
| 12/21/2015                       | \$1.6500 |                 | 06/20/2016                       | \$2.5100 |                 |
| 12/28/2015                       | \$1.4500 | \$1.7475        | 06/27/2016                       | \$2.6100 | \$2.3900        |
| 01/04/2016                       | \$2.2900 |                 | 07/04/2016                       | \$2.7400 |                 |
| 01/11/2016                       | \$2.3900 |                 | 07/11/2016                       | \$2.6900 |                 |
| 01/18/2016                       | \$2.2200 |                 | 07/18/2016                       | \$2.6300 |                 |
| 01/25/2016                       | \$2.1500 | \$2.2625        | 07/25/2016                       | \$2.7500 | \$2.7025        |
| 02/01/2016                       | \$2.1200 |                 | 08/01/2016                       | \$2.6900 |                 |
| 02/08/2016                       | \$2.0200 |                 | 08/08/2016                       | \$2.7700 |                 |
| 02/15/2016                       | \$2.0200 |                 | 08/15/2016                       | \$2.6200 |                 |
| 02/22/2016                       | \$1.8800 |                 | 08/22/2016                       | \$2.5800 |                 |
| 02/29/2016                       | \$1.6400 | \$1.9360        | 08/29/2016                       | \$2.7700 | \$2.6860        |
| 03/07/2016                       | \$1.4600 |                 | 09/05/2016                       | \$2.8000 |                 |
| 03/14/2016                       | \$1.6100 |                 | 09/12/2016                       | \$2.7600 |                 |
| 03/21/2016                       | \$1.7900 |                 | 09/19/2016                       | \$2.8600 |                 |
| 03/28/2016                       | \$1.6700 | \$1.6325        | 09/26/2016                       | \$3.0000 | \$2.8550        |
| 04/04/2016                       | \$1.8000 |                 | 10/03/2016                       | \$2.8000 |                 |
| 04/11/2016                       | \$1.8700 |                 | 10/10/2016                       | \$2.8200 |                 |
| 04/18/2016                       | \$1.7100 |                 | 10/17/2016                       | \$2.9800 |                 |
| 04/25/2016                       | \$1.8400 | \$1.8050        | 10/24/2016                       | \$2.8700 |                 |
|                                  |          |                 | 10/31/2016                       | \$2.5700 | \$2.8080        |

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

| NOVEMBER<br>2015 |            | DECEMBER<br>2015 |            | JANUARY<br>2016 |            | FEBRUARY<br>2016 |            | MARCH<br>2016 |          | APRIL<br>2016 |  |
|------------------|------------|------------------|------------|-----------------|------------|------------------|------------|---------------|----------|---------------|--|
| DAY              | MIDPOINT   | MIDPOINT         | MIDPOINT   | MIDPOINT        | DAY        | MIDPOINT         | MIDPOINT   | MIDPOINT      | MIDPOINT | MIDPOINT      |  |
| 1                | \$ 1.9200  | \$ 2.0600        | \$ 2.2950  | \$ 2.2100       | 1          | \$ 2.2100        | \$ 1.5050  | \$ 1.8550     |          |               |  |
| 2                | \$ 1.9200  | \$ 2.1250        | \$ 2.2950  | 2               | \$ 2.0750  | \$ 1.5050        | \$ 1.8050  |               |          |               |  |
| 3                | \$ 1.8600  | \$ 2.1550        | \$ 2.2950  | 3               | \$ 1.9550  | \$ 1.5550        | \$ 1.8050  |               |          |               |  |
| 4                | \$ 1.8550  | \$ 2.0650        | \$ 2.2950  | 4               | \$ 1.9950  | \$ 1.5150        | \$ 1.8050  |               |          |               |  |
| 5                | \$ 1.9550  | \$ 2.0400        | \$ 2.3600  | 5               | \$ 1.9800  | \$ 1.4350        | \$ 1.8600  |               |          |               |  |
| 6                | \$ 2.0350  | \$ 2.0400        | \$ 2.2700  | 6               | \$ 2.0250  | \$ 1.4350        | \$ 1.8400  |               |          |               |  |
| 7                | \$ 2.1050  | \$ 2.0400        | \$ 2.2950  | 7               | \$ 2.0250  | \$ 1.4350        | \$ 1.8200  |               |          |               |  |
| 8                | \$ 2.1050  | \$ 1.9800        | \$ 2.2900  | 8               | \$ 2.0250  | \$ 1.4450        | \$ 1.8650  |               |          |               |  |
| 9                | \$ 2.1050  | \$ 1.9250        | \$ 2.4200  | 9               | \$ 2.1700  | \$ 1.4600        | \$ 1.8850  |               |          |               |  |
| 10               | \$ 2.0300  | \$ 1.9300        | \$ 2.4200  | 10              | \$ 2.1300  | \$ 1.5150        | \$ 1.8850  |               |          |               |  |
| 11               | \$ 2.0650  | \$ 1.8500        | \$ 2.4200  | 11              | \$ 2.0750  | \$ 1.6150        | \$ 1.8850  |               |          |               |  |
| 12               | \$ 2.0500  | \$ 1.6950        | \$ 2.4500  | 12              | \$ 2.0550  | \$ 1.6500        | \$ 1.8050  |               |          |               |  |
| 13               | \$ 1.9350  | \$ 1.6950        | \$ 2.3000  | 13              | \$ 1.9850  | \$ 1.6500        | \$ 1.8650  |               |          |               |  |
| 14               | \$ 1.9600  | \$ 1.6950        | \$ 2.2200  | 14              | \$ 1.9850  | \$ 1.6500        | \$ 1.8850  |               |          |               |  |
| 15               | \$ 1.9600  | \$ 1.6100        | \$ 2.1600  | 15              | \$ 1.9850  | \$ 1.6200        | \$ 1.8050  |               |          |               |  |
| 16               | \$ 1.9600  | \$ 1.5850        | \$ 2.1550  | 16              | \$ 1.9850  | \$ 1.7150        | \$ 1.6150  |               |          |               |  |
| 17               | \$ 2.0300  | \$ 1.6650        | \$ 2.1550  | 17              | \$ 1.8300  | \$ 1.6850        | \$ 1.6150  |               |          |               |  |
| 18               | \$ 1.9500  | \$ 1.7150        | \$ 2.1550  | 18              | \$ 1.8000  | \$ 1.7650        | \$ 1.6150  |               |          |               |  |
| 19               | \$ 2.0500  | \$ 1.6500        | \$ 2.1550  | 19              | \$ 1.7900  | \$ 1.8050        | \$ 1.6650  |               |          |               |  |
| 20               | \$ 2.1050  | \$ 1.6500        | \$ 2.1350  | 20              | \$ 1.7300  | \$ 1.8050        | \$ 1.8400  |               |          |               |  |
| 21               | \$ 2.1600  | \$ 1.6500        | \$ 2.1250  | 21              | \$ 1.7300  | \$ 1.8050        | \$ 1.8950  |               |          |               |  |
| 22               | \$ 2.1600  | \$ 1.6800        | \$ 2.1550  | 22              | \$ 1.7300  | \$ 1.7200        | \$ 1.8750  |               |          |               |  |
| 23               | \$ 2.1600  | \$ 1.6550        | \$ 2.1450  | 23              | \$ 1.7450  | \$ 1.7100        | \$ 1.8550  |               |          |               |  |
| 24               | \$ 2.1200  | \$ 1.4950        | \$ 2.1450  | 24              | \$ 1.7400  | \$ 1.7500        | \$ 1.8550  |               |          |               |  |
| 25               | \$ 2.0800  | \$ 1.4350        | \$ 2.1450  | 25              | \$ 1.7200  | \$ 1.6650        | \$ 1.8550  |               |          |               |  |
| 26               | \$ 1.9500  | \$ 1.4350        | \$ 2.0850  | 26              | \$ 1.7000  | \$ 1.6650        | \$ 1.8900  |               |          |               |  |
| 27               | \$ 1.9500  | \$ 1.4350        | \$ 2.1900  | 27              | \$ 1.5950  | \$ 1.6650        | \$ 1.8300  |               |          |               |  |
| 28               | \$ 1.9500  | \$ 1.4350        | \$ 2.1750  | 28              | \$ 1.5950  | \$ 1.6650        | \$ 1.8700  |               |          |               |  |
| 29               | \$ 1.9500  | \$ 2.0650        | \$ 2.0550  | 29              | \$ 1.5950  | \$ 1.6850        | \$ 1.8550  |               |          |               |  |
| 30               | \$ 1.9500  | \$ 2.3350        | \$ 2.0550  | 30              | \$ 1.7150  | \$ 1.7150        | \$ 1.8550  |               |          |               |  |
| 31               |            | \$ 2.2100        | \$ 2.0550  | 31              |            | \$ 1.8000        |            |               |          |               |  |
| TOTAL            | \$ 60.3850 | \$ 56.0000       | \$ 68.8700 | TOTAL           | \$ 54.9600 | \$ 50.6100       | \$ 54.6550 |               |          |               |  |
| POSTINGS         | 30         | 31               | 31         | POSTINGS        | 29         | 31               | 30         |               |          |               |  |
| AVERAGE          | \$ 2.0128  | \$ 1.8065        | \$ 2.2216  | AVERAGE         | \$ 1.8952  | \$ 1.6326        | \$ 1.8218  |               |          |               |  |

|          |            | MAY<br>2016 |            | JUNE<br>2016 |            | JULY<br>2016 |          | AUGUST<br>2016 |          | SEPTEMBER<br>2016 |          | OCTOBER<br>2016 |          |
|----------|------------|-------------|------------|--------------|------------|--------------|----------|----------------|----------|-------------------|----------|-----------------|----------|
| DAY      | MIDPOINT   | MIDPOINT    | MIDPOINT   | MIDPOINT     | MIDPOINT   | MIDPOINT     | MIDPOINT | MIDPOINT       | MIDPOINT | MIDPOINT          | MIDPOINT | MIDPOINT        | MIDPOINT |
| 1        | \$ 1.8250  | \$ 2.0400   | \$ 2.7750  | \$ 2.8150    | \$ 2.8150  | \$ 2.6750    |          |                |          |                   |          |                 |          |
| 2        | \$ 1.8250  | \$ 2.2150   | \$ 2.7400  | \$ 2.7900    | \$ 2.7950  | \$ 2.6750    |          |                |          |                   |          |                 |          |
| 3        | \$ 1.8250  | \$ 2.2150   | \$ 2.7400  | \$ 2.6900    | \$ 2.7450  | \$ 2.6750    |          |                |          |                   |          |                 |          |
| 4        | \$ 1.8550  | \$ 2.1750   | \$ 2.7400  | \$ 2.7800    | \$ 2.7450  | \$ 2.7100    |          |                |          |                   |          |                 |          |
| 5        | \$ 1.9400  | \$ 2.1750   | \$ 2.7400  | \$ 2.7900    | \$ 2.7450  | \$ 2.7400    |          |                |          |                   |          |                 |          |
| 6        | \$ 1.9200  | \$ 2.1750   | \$ 2.6800  | \$ 2.7350    | \$ 2.7450  | \$ 2.7950    |          |                |          |                   |          |                 |          |
| 7        | \$ 1.7500  | \$ 2.2000   | \$ 2.6550  | \$ 2.7350    | \$ 2.7400  | \$ 2.8950    |          |                |          |                   |          |                 |          |
| 8        | \$ 1.7500  | \$ 2.2050   | \$ 2.7350  | \$ 2.7350    | \$ 2.7450  | \$ 2.8400    |          |                |          |                   |          |                 |          |
| 9        | \$ 1.7500  | \$ 2.2600   | \$ 2.6650  | \$ 2.7000    | \$ 2.7600  | \$ 2.8400    |          |                |          |                   |          |                 |          |
| 10       | \$ 1.8900  | \$ 2.2450   | \$ 2.6650  | \$ 2.6500    | \$ 2.8200  | \$ 2.8400    |          |                |          |                   |          |                 |          |
| 11       | \$ 1.9350  | \$ 2.3600   | \$ 2.6650  | \$ 2.6100    | \$ 2.8200  | \$ 3.0350    |          |                |          |                   |          |                 |          |
| 12       | \$ 1.9300  | \$ 2.3600   | \$ 2.7250  | \$ 2.5550    | \$ 2.8200  | \$ 3.0350    |          |                |          |                   |          |                 |          |
| 13       | \$ 1.9200  | \$ 2.3600   | \$ 2.6550  | \$ 2.5850    | \$ 2.8900  | \$ 3.0450    |          |                |          |                   |          |                 |          |
| 14       | \$ 1.8750  | \$ 2.4550   | \$ 2.7050  | \$ 2.5850    | \$ 2.9650  | \$ 2.9450    |          |                |          |                   |          |                 |          |
| 15       | \$ 1.8750  | \$ 2.4900   | \$ 2.6700  | \$ 2.5850    | \$ 2.9300  | \$ 2.9700    |          |                |          |                   |          |                 |          |
| 16       | \$ 1.8750  | \$ 2.5450   | \$ 2.5850  | \$ 2.6150    | \$ 2.8300  | \$ 2.9700    |          |                |          |                   |          |                 |          |
| 17       | \$ 1.8400  | \$ 2.5050   | \$ 2.5850  | \$ 2.5950    | \$ 2.8400  | \$ 2.9700    |          |                |          |                   |          |                 |          |
| 18       | \$ 1.8900  | \$ 2.5050   | \$ 2.5850  | \$ 2.6000    | \$ 2.8400  | \$ 3.0150    |          |                |          |                   |          |                 |          |
| 19       | \$ 1.8100  | \$ 2.5050   | \$ 2.7300  | \$ 2.5900    | \$ 2.9300  | \$ 3.0850    |          |                |          |                   |          |                 |          |
| 20       | \$ 1.6950  | \$ 2.5050   | \$ 2.7450  | \$ 2.5550    | \$ 2.9300  | \$ 3.0450    |          |                |          |                   |          |                 |          |
| 21       | \$ 1.7150  | \$ 2.6350   | \$ 2.6700  | \$ 2.5550    | \$ 3.0300  | \$ 2.9600    |          |                |          |                   |          |                 |          |
| 22       | \$ 1.7150  | \$ 2.6950   | \$ 2.6500  | \$ 2.5550    | \$ 3.1000  | \$ 2.7450    |          |                |          |                   |          |                 |          |
| 23       | \$ 1.7150  | \$ 2.7000   | \$ 2.7200  | \$ 2.6300    | \$ 3.0650  | \$ 2.7450    |          |                |          |                   |          |                 |          |
| 24       | \$ 1.8850  | \$ 2.5950   | \$ 2.7200  | \$ 2.6200    | \$ 2.9550  | \$ 2.7450    |          |                |          |                   |          |                 |          |
| 25       | \$ 1.8100  | \$ 2.5950   | \$ 2.7200  | \$ 2.7150    | \$ 2.9550  | \$ 2.6350    |          |                |          |                   |          |                 |          |
| 26       | \$ 1.7100  | \$ 2.5950   | \$ 2.7300  | \$ 2.7550    | \$ 2.9550  | \$ 2.5750    |          |                |          |                   |          |                 |          |
| 27       | \$ 1.7050  | \$ 2.5950   | \$ 2.6600  | \$ 2.7850    | \$ 2.9650  | \$ 2.6500    |          |                |          |                   |          |                 |          |
| 28       | \$ 1.8400  | \$ 2.6400   | \$ 2.6900  | \$ 2.7850    | \$ 2.9350  | \$ 2.6100    |          |                |          |                   |          |                 |          |
| 29       | \$ 1.8400  | \$ 2.7600   | \$ 2.6750  | \$ 2.7850    | \$ 2.8700  | \$ 2.5550    |          |                |          |                   |          |                 |          |
| 30       | \$ 1.8400  | \$ 2.8300   | \$ 2.6750  | \$ 2.8600    | \$ 2.8400  | \$ 2.5550    |          |                |          |                   |          |                 |          |
| 31       | \$ 1.8400  |             | \$ 2.6750  | \$ 2.8700    |            | \$ 2.5550    |          |                |          |                   |          |                 |          |
| TOTAL    | \$ 56.5900 | \$ 73.1350  | \$ 83.3700 | \$ 83.2100   | \$ 86.0300 | \$ 87.1350   |          |                |          |                   |          |                 |          |
| POSTINGS | 31         | 30          | 31         | 31           | 30         | 31           |          |                |          |                   |          |                 |          |
| AVERAGE  | \$ 1.8255  | \$ 2.4378   | \$ 2.6894  | \$ 2.6842    | \$ 2.8677  | \$ 2.8108    |          |                |          |                   |          |                 |          |

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

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

|         | NATURAL<br>GAS WEEK<br>APPALACHIA<br>LEBANON HUB | PLATTS<br>GAS DAILY AVERAGE<br>APPALACHIA<br>LEBANON HUB | PLATTS<br>INSIDE FERC's<br>GAS MARKET REPORT<br>APPALACHIA,<br>LEBANON HUB | AVERAGE  |
|---------|--|--|--|----------|
| Nov. 15 | \$2.0720   | \$2.0405   | \$2.0300   | \$2.0475 |
| Dec. 15 | \$1.7900   | \$1.8634   | \$2.2700   | \$1.9745 |
| Jan. 16 | \$2.3200   | \$2.2645   | \$2.5100   | \$2.3648 |
| Feb. 16 | \$1.9380   | \$1.9105   | \$2.2000   | \$2.0162 |
| Mar. 16 | \$1.6250   | \$1.6379   | \$1.6400   | \$1.6343 |
| Apr. 16 | \$1.7925   | \$1.8168   | \$1.8200   | \$1.8098 |
| May 16  | \$1.8420   | \$1.8317   | \$1.9000   | \$1.8579 |
| Jun. 16 | \$2.3625   | \$2.4267   | \$1.8700   | \$2.2197 |
| Jul. 16 | \$2.6950   | \$2.6660   | \$2.8500   | \$2.7370 |
| Aug. 16 | \$2.6660   | \$2.6881   | \$2.5800   | \$2.6447 |
| Sep. 16 | \$2.8575   | \$2.8596   | \$2.7700   | \$2.8290 |
| Oct. 16 | \$2.8060   | \$2.8050   | \$2.8700   | \$2.8270 |



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 |
| 11/02/2015                              | \$2.0800 |                 | 05/02/2016                              | \$1.8600 |                 |
| 11/09/2015                              | \$2.0600 |                 | 05/09/2016                              | \$1.8400 |                 |
| 11/16/2015                              | \$2.0000 |                 | 05/16/2016                              | \$1.9200 |                 |
| 11/23/2015                              | \$2.1900 |                 | 05/23/2016                              | \$1.7900 |                 |
| 11/30/2015                              | \$2.0300 | \$2.0720        | 05/30/2016                              | \$1.8000 | \$1.8420        |
| 12/07/2015                              | \$2.1000 |                 | 06/06/2016                              | \$2.0500 |                 |
| 12/14/2015                              | \$1.7900 |                 | 06/13/2016                              | \$2.2900 |                 |
| 12/21/2015                              | \$1.7100 |                 | 06/20/2016                              | \$2.4900 |                 |
| 12/28/2015                              | \$1.5600 | \$1.7900        | 06/27/2016                              | \$2.6200 | \$2.3625        |
| 01/04/2016                              | \$2.3600 |                 | 07/04/2016                              | \$2.7300 |                 |
| 01/11/2016                              | \$2.4700 |                 | 07/11/2016                              | \$2.6800 |                 |
| 01/18/2016                              | \$2.2600 |                 | 07/18/2016                              | \$2.6200 |                 |
| 01/25/2016                              | \$2.1900 | \$2.3200        | 07/25/2016                              | \$2.7500 | \$2.6950        |
| 02/01/2016                              | \$2.0900 |                 | 08/01/2016                              | \$2.6800 |                 |
| 02/08/2016                              | \$2.0300 |                 | 08/08/2016                              | \$2.7400 |                 |
| 02/15/2016                              | \$2.0600 |                 | 08/15/2016                              | \$2.6200 |                 |
| 02/22/2016                              | \$1.8400 |                 | 08/22/2016                              | \$2.5600 |                 |
| 02/29/2016                              | \$1.6700 | \$1.9380        | 08/29/2016                              | \$2.7300 | \$2.6660        |
| 03/07/2016                              | \$1.4700 |                 | 09/05/2016                              | \$2.7600 |                 |
| 03/14/2016                              | \$1.5900 |                 | 09/12/2016                              | \$2.7900 |                 |
| 03/21/2016                              | \$1.7600 |                 | 09/19/2016                              | \$2.9100 |                 |
| 03/28/2016                              | \$1.6800 | \$1.6250        | 09/26/2016                              | \$2.9700 | \$2.8575        |
| 04/04/2016                              | \$1.7900 |                 | 10/03/2016                              | \$2.7300 |                 |
| 04/11/2016                              | \$1.8600 |                 | 10/10/2016                              | \$2.7900 |                 |
| 04/18/2016                              | \$1.6800 |                 | 10/17/2016                              | \$2.9500 |                 |
| 04/25/2016                              | \$1.8400 | \$1.7925        | 10/24/2016                              | \$2.9500 |                 |
|   |          |                 | 10/31/2016                              | \$2.6100 | \$2.8060        |

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

| NOVEMBER<br>2015 |            | DECEMBER<br>2015 |            | JANUARY<br>2016 |            | FEBRUARY<br>2016 |            | MARCH<br>2016 |          | APRIL<br>2016 |  |
|------------------|------------|------------------|------------|-----------------|------------|------------------|------------|---------------|----------|---------------|--|
| DAY              | MIDPOINT   | MIDPOINT         | MIDPOINT   | MIDPOINT        | DAY        | MIDPOINT         | MIDPOINT   | MIDPOINT      | MIDPOINT | MIDPOINT      |  |
| 1                | \$ 1.9200  | \$ 2.1200        | \$ 2.3400  | \$ 2.2450       | 1          | \$ 2.2450        | \$ 1.5300  | \$ 1.8750     |          |               |  |
| 2                | \$ 1.9200  | \$ 2.1850        | \$ 2.3400  | \$ 2.1350       | 2          | \$ 2.1350        | \$ 1.5500  | \$ 1.8250     |          |               |  |
| 3                | \$ 1.8600  | \$ 2.1750        | \$ 2.3400  | \$ 2.0100       | 3          | \$ 2.0100        | \$ 1.6150  | \$ 1.8250     |          |               |  |
| 4                | \$ 1.8800  | \$ 2.1100        | \$ 2.3400  | \$ 2.0350       | 4          | \$ 2.0350        | \$ 1.5350  | \$ 1.8250     |          |               |  |
| 5                | \$ 2.0450  | \$ 2.0650        | \$ 2.4200  | \$ 2.0150       | 5          | \$ 2.0150        | \$ 1.4250  | \$ 1.8500     |          |               |  |
| 6                | \$ 2.1200  | \$ 2.0650        | \$ 2.3050  | \$ 2.0300       | 6          | \$ 2.0300        | \$ 1.4250  | \$ 1.8350     |          |               |  |
| 7                | \$ 2.0900  | \$ 2.0650        | \$ 2.3450  | \$ 2.0300       | 7          | \$ 2.0300        | \$ 1.4250  | \$ 1.8150     |          |               |  |
| 8                | \$ 2.0900  | \$ 2.0050        | \$ 2.3450  | \$ 2.0300       | 8          | \$ 2.0300        | \$ 1.4550  | \$ 1.8700     |          |               |  |
| 9                | \$ 2.0900  | \$ 1.9300        | \$ 2.5150  | \$ 2.2000       | 9          | \$ 2.2000        | \$ 1.4650  | \$ 1.8600     |          |               |  |
| 10               | \$ 2.0500  | \$ 1.9600        | \$ 2.5150  | \$ 2.1500       | 10         | \$ 2.1500        | \$ 1.5000  | \$ 1.8600     |          |               |  |
| 11               | \$ 2.0650  | \$ 1.8800        | \$ 2.5150  | \$ 2.0900       | 11         | \$ 2.0900        | \$ 1.6150  | \$ 1.8600     |          |               |  |
| 12               | \$ 2.0750  | \$ 1.7100        | \$ 2.5100  | \$ 2.0900       | 12         | \$ 2.0900        | \$ 1.6450  | \$ 1.8200     |          |               |  |
| 13               | \$ 1.9650  | \$ 1.7100        | \$ 2.3450  | \$ 2.0100       | 13         | \$ 2.0100        | \$ 1.6450  | \$ 1.8650     |          |               |  |
| 14               | \$ 1.9650  | \$ 1.7100        | \$ 2.2650  | \$ 2.0100       | 14         | \$ 2.0100        | \$ 1.6450  | \$ 1.8650     |          |               |  |
| 15               | \$ 1.9650  | \$ 1.6850        | \$ 2.2100  | \$ 2.0100       | 15         | \$ 2.0100        | \$ 1.6200  | \$ 1.7750     |          |               |  |
| 16               | \$ 1.9650  | \$ 1.6550        | \$ 2.2400  | \$ 2.0100       | 16         | \$ 2.0100        | \$ 1.6950  | \$ 1.6050     |          |               |  |
| 17               | \$ 2.0700  | \$ 1.7550        | \$ 2.2400  | \$ 1.8300       | 17         | \$ 1.8300        | \$ 1.6750  | \$ 1.6050     |          |               |  |
| 18               | \$ 1.9850  | \$ 1.7750        | \$ 2.2400  | \$ 1.8000       | 18         | \$ 1.8000        | \$ 1.7800  | \$ 1.6050     |          |               |  |
| 19               | \$ 2.0900  | \$ 1.7150        | \$ 2.2400  | \$ 1.7800       | 19         | \$ 1.7800        | \$ 1.8150  | \$ 1.6500     |          |               |  |
| 20               | \$ 2.1600  | \$ 1.7150        | \$ 2.2050  | \$ 1.7400       | 20         | \$ 1.7400        | \$ 1.8150  | \$ 1.8550     |          |               |  |
| 21               | \$ 2.2050  | \$ 1.7150        | \$ 2.1450  | \$ 1.7400       | 21         | \$ 1.7400        | \$ 1.8150  | \$ 1.9200     |          |               |  |
| 22               | \$ 2.2050  | \$ 1.7600        | \$ 2.1750  | \$ 1.7400       | 22         | \$ 1.7400        | \$ 1.7300  | \$ 1.8750     |          |               |  |
| 23               | \$ 2.2050  | \$ 1.7650        | \$ 2.1450  | \$ 1.7550       | 23         | \$ 1.7550        | \$ 1.7200  | \$ 1.8350     |          |               |  |
| 24               | \$ 2.1700  | \$ 1.6200        | \$ 2.1450  | \$ 1.7450       | 24         | \$ 1.7450        | \$ 1.7450  | \$ 1.8350     |          |               |  |
| 25               | \$ 2.1100  | \$ 1.4800        | \$ 2.1450  | \$ 1.7200       | 25         | \$ 1.7200        | \$ 1.6750  | \$ 1.8350     |          |               |  |
| 26               | \$ 1.9900  | \$ 1.4800        | \$ 2.1300  | \$ 1.7000       | 26         | \$ 1.7000        | \$ 1.6750  | \$ 1.8750     |          |               |  |
| 27               | \$ 1.9900  | \$ 1.4800        | \$ 2.1950  | \$ 1.5850       | 27         | \$ 1.5850        | \$ 1.6750  | \$ 1.8400     |          |               |  |
| 28               | \$ 1.9900  | \$ 1.4800        | \$ 2.1700  | \$ 1.5850       | 28         | \$ 1.5850        | \$ 1.6750  | \$ 1.8450     |          |               |  |
| 29               | \$ 1.9900  | \$ 2.2000        | \$ 2.0450  | \$ 1.5850       | 29         | \$ 1.5850        | \$ 1.6850  | \$ 1.8500     |          |               |  |
| 30               | \$ 1.9900  | \$ 2.4800        | \$ 2.0450  |                 | 30         |                  | \$ 1.7100  | \$ 1.8500     |          |               |  |
| 31               |            | \$ 2.3150        | \$ 2.0450  |                 | 31         |                  | \$ 1.7950  |               |          |               |  |
| TOTAL            | \$ 61.2150 | \$ 57.7650       | \$ 70.2000 | TOTAL           | \$ 55.4050 | \$ 50.7750       | \$ 54.5050 |               |          |               |  |
| POSTINGS         | 30         | 31               | 31         | POSTINGS        | 29         | 31               | 30         |               |          |               |  |
| AVERAGE          | \$ 2.0405  | \$ 1.8634        | \$ 2.2645  | AVERAGE         | \$ 1.9105  | \$ 1.6379        | \$ 1.8168  |               |          |               |  |

| MAY<br>2016 |            | JUNE<br>2016 |            | JULY<br>2016 |            | AUGUST<br>2016 |            | SEPTEMBER<br>2016 |          | OCTOBER<br>2016 |  |
|-------------|------------|--------------|------------|--------------|------------|----------------|------------|-------------------|----------|-----------------|--|
| DAY         | MIDPOINT   | MIDPOINT     | MIDPOINT   | MIDPOINT     | DAY        | MIDPOINT       | MIDPOINT   | MIDPOINT          | MIDPOINT |                 |  |
| 1           | \$ 1.8500  | \$ 2.0400    | \$ 2.7700  | \$ 2.8200    | 1          | \$ 2.8200      | \$ 2.8400  | \$ 2.6900         |          |                 |  |
| 2           | \$ 1.8500  | \$ 2.2050    | \$ 2.6950  | \$ 2.7900    | 2          | \$ 2.7900      | \$ 2.8100  | \$ 2.6900         |          |                 |  |
| 3           | \$ 1.8450  | \$ 2.1900    | \$ 2.6950  | \$ 2.6950    | 3          | \$ 2.6950      | \$ 2.7200  | \$ 2.6900         |          |                 |  |
| 4           | \$ 1.9150  | \$ 2.1700    | \$ 2.6950  | \$ 2.7650    | 4          | \$ 2.7650      | \$ 2.7200  | \$ 2.6900         |          |                 |  |
| 5           | \$ 1.9700  | \$ 2.1700    | \$ 2.6950  | \$ 2.8000    | 5          | \$ 2.8000      | \$ 2.7200  | \$ 2.7200         |          |                 |  |
| 6           | \$ 1.9100  | \$ 2.1700    | \$ 2.6950  | \$ 2.7300    | 6          | \$ 2.7300      | \$ 2.7200  | \$ 2.7850         |          |                 |  |
| 7           | \$ 1.7750  | \$ 2.1950    | \$ 2.6250  | \$ 2.7300    | 7          | \$ 2.7300      | \$ 2.7550  | \$ 2.8850         |          |                 |  |
| 8           | \$ 1.7750  | \$ 2.2000    | \$ 2.7300  | \$ 2.7300    | 8          | \$ 2.7300      | \$ 2.7600  | \$ 2.8200         |          |                 |  |
| 9           | \$ 1.7750  | \$ 2.2350    | \$ 2.6300  | \$ 2.7000    | 9          | \$ 2.7000      | \$ 2.7700  | \$ 2.8200         |          |                 |  |
| 10          |            | \$ 2.2200    | \$ 2.6300  | \$ 2.6600    | 10         | \$ 2.6600      | \$ 2.8200  | \$ 2.8200         |          |                 |  |
| 11          | \$ 1.9750  | \$ 2.3200    | \$ 2.6300  | \$ 2.6300    | 11         | \$ 2.6300      | \$ 2.8200  | \$ 3.0150         |          |                 |  |
| 12          | \$ 1.9400  | \$ 2.3200    | \$ 2.7350  | \$ 2.5550    | 12         | \$ 2.5550      | \$ 2.8200  | \$ 3.0350         |          |                 |  |
| 13          | \$ 1.9800  | \$ 2.3200    | \$ 2.6500  | \$ 2.6200    | 13         | \$ 2.6200      | \$ -       | \$ 3.0550         |          |                 |  |
| 14          | \$ 1.8650  | \$ 2.4400    | \$ 2.7150  | \$ 2.6200    | 14         | \$ 2.6200      | \$ 2.9550  | \$ -              |          |                 |  |
| 15          | \$ 1.8650  | \$ 2.4400    | \$ 2.6800  | \$ 2.6200    | 15         | \$ 2.6200      | \$ 2.9100  | \$ 2.8850         |          |                 |  |
| 16          | \$ 1.8650  | \$ 2.5250    | \$ 2.5650  | \$ 2.6300    | 16         | \$ 2.6300      | \$ 2.8350  | \$ 2.8850         |          |                 |  |
| 17          | \$ 1.8500  | \$ 2.4700    | \$ 2.5650  | \$ 2.5900    | 17         | \$ 2.5900      | \$ -       | \$ 2.8850         |          |                 |  |
| 18          | \$ 1.8950  | \$ 2.5150    | \$ 2.5650  | \$ 2.6100    | 18         | \$ 2.6100      | \$ -       | \$ 2.9500         |          |                 |  |
| 19          | \$ 1.8050  | \$ 2.5150    |            | \$ 2.5900    | 19         | \$ 2.5900      | \$ -       | \$ 3.0750         |          |                 |  |
| 20          | \$ 1.7100  | \$ 2.5150    |            | \$ 2.5500    | 20         | \$ 2.5500      | \$ 2.9300  | \$ 3.0950         |          |                 |  |
| 21          | \$ 1.7250  | \$ 2.6400    |            | \$ 2.5500    | 21         | \$ 2.5500      | \$ 3.0550  | \$ 2.9750         |          |                 |  |
| 22          | \$ 1.7250  | \$ 2.6700    |            | \$ 2.5500    | 22         | \$ 2.5500      | \$ 3.1050  | \$ 2.7700         |          |                 |  |
| 23          | \$ 1.7250  | \$ 2.6950    |            | \$ 2.6100    | 23         | \$ 2.6100      | \$ -       | \$ 2.7700         |          |                 |  |
| 24          | \$ 1.8850  | \$ 2.5900    |            | \$ 2.6300    | 24         | \$ 2.6300      | \$ 2.9450  | \$ 2.7700         |          |                 |  |
| 25          | \$ 1.8150  | \$ 2.5850    |            | \$ 2.7200    | 25         | \$ 2.7200      | \$ 2.9450  | \$ 2.7200         |          |                 |  |
| 26          | \$ 1.7250  | \$ 2.5850    | \$ 2.7300  | \$ 2.7700    | 26         | \$ 2.7700      | \$ 2.9450  | \$ 2.6300         |          |                 |  |
| 27          | \$ 1.7550  | \$ 2.5850    | \$ 2.6450  | \$ 2.7550    | 27         | \$ 2.7550      | \$ 2.9650  | \$ 2.6900         |          |                 |  |
| 28          | \$ 1.7950  | \$ 2.6800    | \$ 2.6950  | \$ 2.7550    | 28         | \$ 2.7550      | \$ 2.9350  | \$ 2.6400         |          |                 |  |
| 29          | \$ 1.7950  | \$ 2.7700    | \$ 2.6500  | \$ 2.7550    | 29         | \$ 2.7550      | \$ 2.8600  | \$ 2.5650         |          |                 |  |
| 30          | \$ 1.7950  | \$ 2.8250    | \$ 2.6500  | \$ 2.9100    | 30         | \$ 2.9100      | \$ 2.8300  | \$ 2.5650         |          |                 |  |
| 31          | \$ 1.7950  |              | \$ 2.6500  | \$ 2.8900    | 31         | \$ 2.8900      |            | \$ 2.5650         |          |                 |  |
| TOTAL       | \$ 54.9500 | \$ 72.8000   | \$ 63.9850 | TOTAL        | \$ 83.3300 | \$ 71.4900     | \$ 84.1500 |                   |          |                 |  |
| POSTINGS    | 30         | 30           | 24         | POSTINGS     | 31         | 25             | 30         |                   |          |                 |  |
| AVERAGE     | \$ 1.8317  | \$ 2.4267    | \$ 2.6660  | AVERAGE      | \$ 2.6881  | \$ 2.8596      | \$ 2.8050  |                   |          |                 |  |

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

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

|         | NATURAL<br>GAS WEEK<br>TEXAS,<br>CENTRAL, ONSHORE | PLATTS<br>GAS DAILY AVERAGE<br>EAST TEXAS,<br>TENNESSEE,<br>ZONE 0 | PLATTS<br>INSIDE FERC's<br>GAS MARKET REPORT<br>EAST TEXAS,<br>TENNESSEE, ZONE 0 | AVERAGE  |
|---------|---|--|--|----------|
| Nov. 15 | \$2.0120  | \$1.9937   | \$1.9400   | \$1.9819 |
| Dec. 15 | \$1.7850  | \$1.7671   | \$2.1200   | \$1.8907 |
| Jan. 16 | \$2.2400  | \$2.1939   | \$2.3000   | \$2.2446 |
| Feb. 16 | \$1.9080  | \$1.8884   | \$2.1300   | \$1.9755 |
| Mar. 16 | \$1.6575  | \$1.6350   | \$1.6300   | \$1.6408 |
| Apr. 16 | \$1.7950  | \$1.7827   | \$1.8200   | \$1.7992 |
| May 16  | \$1.8120  | \$1.7889   | \$1.9000   | \$1.8336 |
| Jun. 16 | \$2.3875  | \$2.4050   | \$1.8600   | \$2.2175 |
| Jul. 16 | \$2.6975  | \$2.6269   | \$2.8100   | \$2.7115 |
| Aug. 16 | \$2.6820  | \$2.6453   | \$2.5500   | \$2.6258 |
| Sep. 16 | \$2.8750  | \$2.8758   | \$2.7300   | \$2.8269 |
| Oct. 16 | \$2.9240  | \$2.8692   | \$2.8700   | \$2.8877 |

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 |
| 11/02/2015                               | \$1.9700 |                 | 05/02/2016                               | \$1.8300 |                 |
| 11/09/2015                               | \$2.0200 |                 | 05/09/2016                               | \$1.8000 |                 |
| 11/16/2015                               | \$1.9700 |                 | 05/16/2016                               | \$1.9000 |                 |
| 11/23/2015                               | \$2.1000 |                 | 05/23/2016                               | \$1.7400 |                 |
| 11/30/2015                               | \$2.0000 | \$2.0120        | 05/30/2016                               | \$1.7900 | \$1.81          |
| 12/07/2015                               | \$2.1200 |                 | 06/06/2016                               | \$2.0800 |                 |
| 12/14/2015                               | \$1.7900 |                 | 06/13/2016                               | \$2.3100 |                 |
| 12/21/2015                               | \$1.7000 |                 | 06/20/2016                               | \$2.5300 |                 |
| 12/28/2015                               | \$1.5300 | \$1.7850        | 06/27/2016                               | \$2.6300 | \$2.3875        |
| 01/04/2016                               | \$2.3200 |                 | 07/04/2016                               | \$2.7600 |                 |
| 01/11/2016                               | \$2.3600 |                 | 07/11/2016                               | \$2.6900 |                 |
| 01/18/2016                               | \$2.1700 |                 | 07/18/2016                               | \$2.6300 |                 |
| 01/25/2016                               | \$2.1100 | \$2.2400        | 07/25/2016                               | \$2.7100 | \$2.6975        |
| 02/01/2016                               | \$2.1100 |                 | 08/01/2016                               | \$2.7000 |                 |
| 02/08/2016                               | \$2.0100 |                 | 08/08/2016                               | \$2.7700 |                 |
| 02/15/2016                               | \$1.9800 |                 | 08/15/2016                               | \$2.6200 |                 |
| 02/22/2016                               | \$1.7800 |                 | 08/22/2016                               | \$2.5700 |                 |
| 02/29/2016                               | \$1.6600 | \$1.9080        | 08/29/2016                               | \$2.7500 | \$2.6820        |
| 03/07/2016                               | \$1.4700 |                 | 09/05/2016                               | \$2.7900 |                 |
| 03/14/2016                               | \$1.6600 |                 | 09/12/2016                               | \$2.7900 |                 |
| 03/21/2016                               | \$1.7900 |                 | 09/19/2016                               | \$2.9000 |                 |
| 03/28/2016                               | \$1.7100 | \$1.6575        | 09/26/2016                               | \$3.0200 | \$2.8750        |
| 04/04/2016                               | \$1.8000 |                 | 10/03/2016                               | \$2.8500 |                 |
| 04/11/2016                               | \$1.8400 |                 | 10/10/2016                               | \$2.9200 |                 |
| 04/18/2016                               | \$1.6800 |                 | 10/17/2016                               | \$3.1500 |                 |
| 04/25/2016                               | \$1.8600 | \$1.7950        | 10/24/2016                               | \$2.9900 |                 |
|  |          |                 | 10/31/2016                               | \$2.7100 | \$2.9240        |

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

| NOVEMBER<br>2015 |            | DECEMBER<br>2015 |            | JANUARY<br>2016 |          | FEBRUARY<br>2016 |            | MARCH<br>2016 |          | APRIL<br>2016 |          |
|------------------|------------|------------------|------------|-----------------|----------|------------------|------------|---------------|----------|---------------|----------|
| DAY              | MIDPOINT   | MIDPOINT         | MIDPOINT   | MIDPOINT        | DAY      | MIDPOINT         | MIDPOINT   | MIDPOINT      | MIDPOINT | MIDPOINT      | MIDPOINT |
| 1                | \$ 1.8750  | \$ 2.0250        | \$ 2.2750  | \$ 2.2100       | 1        | \$ 2.2100        | \$ 1.5250  | \$ 1.7950     |          |               |          |
| 2                | \$ 1.8750  | \$ 2.1200        | \$ 2.2750  | \$ 2.1000       | 2        | \$ 2.1000        | \$ 1.5050  | \$ 1.7000     |          |               |          |
| 3                | \$ 1.8350  | \$ 2.0850        | \$ 2.2750  | \$ 1.9700       | 3        | \$ 1.9700        | \$ 1.5300  | \$ 1.7000     |          |               |          |
| 4                | \$ 1.8750  | \$ 2.0900        | \$ 2.2750  | \$ 1.9850       | 4        | \$ 1.9850        | \$ 1.5100  | \$ 1.7000     |          |               |          |
| 5                | \$ 1.9850  | \$ 2.0400        | \$ 2.3200  | \$ 1.9800       | 5        | \$ 1.9800        | \$ 1.4400  | \$ 1.8000     |          |               |          |
| 6                | \$ 2.0500  | \$ 2.0400        | \$ 2.2550  | \$ 2.0150       | 6        | \$ 2.0150        | \$ 1.4400  | \$ 1.8150     |          |               |          |
| 7                | \$ 2.0200  | \$ 2.0400        | \$ 2.3000  | \$ 2.0150       | 7        | \$ 2.0150        | \$ 1.4400  | \$ 1.8100     |          |               |          |
| 8                | \$ 2.0200  | \$ 1.9850        | \$ 2.2750  | \$ 2.0150       | 8        | \$ 2.0150        | \$ 1.4500  | \$ 1.8400     |          |               |          |
| 9                | \$ 2.0200  | \$ 1.8700        | \$ 2.3800  | \$ 2.1450       | 9        | \$ 2.1450        | \$ 1.4900  | \$ 1.8350     |          |               |          |
| 10               | \$ 2.0250  | \$ 1.8900        | \$ 2.3800  | \$ 2.0950       | 10       | \$ 2.0950        | \$ 1.5350  | \$ 1.8350     |          |               |          |
| 11               | \$ 2.0300  | \$ 1.8050        | \$ 2.3800  | \$ 2.0400       | 11       | \$ 2.0400        | \$ 1.6600  | \$ 1.8350     |          |               |          |
| 12               | \$ 2.0150  | \$ 1.6750        | \$ 2.3750  | \$ 2.0250       | 12       | \$ 2.0250        | \$ 1.6950  | \$ 1.6900     |          |               |          |
| 13               | \$ 1.9050  | \$ 1.6750        | \$ 2.2650  | \$ 1.9500       | 13       | \$ 1.9500        | \$ 1.6950  | \$ 1.7500     |          |               |          |
| 14               | \$ 1.9750  | \$ 1.6750        | \$ 2.2150  | \$ 1.9500       | 14       | \$ 1.9500        | \$ 1.6950  | \$ 1.8100     |          |               |          |
| 15               | \$ 1.9750  | \$ 1.6050        | \$ 2.1300  | \$ 1.9500       | 15       | \$ 1.9500        | \$ 1.6500  | \$ 1.7350     |          |               |          |
| 16               | \$ 1.9750  | \$ 1.6200        | \$ 2.1100  | \$ 1.9500       | 16       | \$ 1.9500        | \$ 1.7400  | \$ 1.6050     |          |               |          |
| 17               | \$ 2.0300  | \$ 1.5950        | \$ 2.1100  | \$ 1.8250       | 17       | \$ 1.8250        | \$ 1.6750  | \$ 1.6050     |          |               |          |
| 18               | \$ 1.9400  | \$ 1.6650        | \$ 2.1100  | \$ 1.8150       | 18       | \$ 1.8150        | \$ 1.7750  | \$ 1.6050     |          |               |          |
| 19               | \$ 2.0450  | \$ 1.6250        | \$ 2.1100  | \$ 1.7900       | 19       | \$ 1.7900        | \$ 1.7550  | \$ 1.7100     |          |               |          |
| 20               | \$ 2.1050  | \$ 1.6250        | \$ 2.0850  | \$ 1.7350       | 20       | \$ 1.7350        | \$ 1.7550  | \$ 1.8400     |          |               |          |
| 21               | \$ 2.0900  | \$ 1.6250        | \$ 2.0500  | \$ 1.7350       | 21       | \$ 1.7350        | \$ 1.7550  | \$ 1.8850     |          |               |          |
| 22               | \$ 2.0900  | \$ 1.7100        | \$ 2.1200  | \$ 1.7350       | 22       | \$ 1.7350        | \$ 1.7450  | \$ 1.8750     |          |               |          |
| 23               | \$ 2.0900  | \$ 1.6450        | \$ 2.1100  | \$ 1.7250       | 23       | \$ 1.7250        | \$ 1.7050  | \$ 1.8400     |          |               |          |
| 24               | \$ 2.1050  | \$ 1.3950        | \$ 2.1100  | \$ 1.7250       | 24       | \$ 1.7250        | \$ 1.7350  | \$ 1.8400     |          |               |          |
| 25               | \$ 2.0600  | \$ 1.2750        | \$ 2.1100  | \$ 1.7300       | 25       | \$ 1.7300        | \$ 1.6450  | \$ 1.8400     |          |               |          |
| 26               | \$ 1.9600  | \$ 1.2750        | \$ 2.0950  | \$ 1.6950       | 26       | \$ 1.6950        | \$ 1.6450  | \$ 1.8700     |          |               |          |
| 27               | \$ 1.9600  | \$ 1.2750        | \$ 2.1750  | \$ 1.6200       | 27       | \$ 1.6200        | \$ 1.6450  | \$ 1.8400     |          |               |          |
| 28               | \$ 1.9600  | \$ 1.2750        | \$ 2.1600  | \$ 1.6200       | 28       | \$ 1.6200        | \$ 1.6450  | \$ 1.7950     |          |               |          |
| 29               | \$ 1.9600  | \$ 2.1000        | \$ 2.0600  | \$ 1.6200       | 29       | \$ 1.6200        | \$ 1.6800  | \$ 1.8400     |          |               |          |
| 30               | \$ 1.9600  | \$ 2.3150        | \$ 2.0600  | \$ 1.6200       | 30       | \$ 1.6200        | \$ 1.7300  | \$ 1.8400     |          |               |          |
| 31               |            | \$ 2.1400        | \$ 2.0600  |                 | 31       | \$ 1.7950        |            |               |          |               |          |
| TOTAL            | \$ 59.8100 | \$ 54.7800       | \$ 68.0100 | \$ 54.7650      | TOTAL    | \$ 54.7650       | \$ 50.6850 | \$ 53.4800    |          |               |          |
| POSTINGS         | 30         | 31               | 31         | 29              | POSTINGS | 29               | 31         | 30            |          |               |          |
| AVERAGE          | \$ 1.9937  | \$ 1.7671        | \$ 2.1939  | \$ 1.8884       | AVERAGE  | \$ 1.8884        | \$ 1.6350  | \$ 1.7827     |          |               |          |

| MAY<br>2016 |            | JUNE<br>2016 |            | JULY<br>2016 |            | AUGUST<br>2016 |            | SEPTEMBER<br>2016 |            | OCTOBER<br>2016 |            |
|-------------|------------|--------------|------------|--------------|------------|----------------|------------|-------------------|------------|-----------------|------------|
| DAY         | MIDPOINT   | DAY          | MIDPOINT   | DAY          | MIDPOINT   | DAY            | MIDPOINT   | DAY               | MIDPOINT   | DAY             | MIDPOINT   |
| 1           | \$ 1,7900  |              |            |              |            | 1              | \$ 2,7800  |                   |            |                 |            |
| 2           | \$ 1,7900  |              | \$ 1,9900  |              | \$ 2,7400  | 2              | \$ 2,7300  |                   | \$ 2,8200  |                 | \$ 2,7400  |
| 3           | \$ 1,8100  |              | \$ 2,1750  |              | \$ 2,7100  | 3              | \$ 2,6800  |                   | \$ 2,7850  |                 | \$ 2,7400  |
| 4           | \$ 1,8550  |              | \$ 2,1850  |              | \$ 2,7100  | 4              | \$ 2,7400  |                   | \$ 2,7450  |                 | \$ 2,7300  |
| 5           | \$ 1,9400  |              | \$ 2,1800  |              | \$ 2,7100  | 5              | \$ 2,7450  |                   | \$ 2,7450  |                 | \$ 2,7500  |
| 6           | \$ 1,8900  |              | \$ 2,1800  |              | \$ 2,5750  | 6              | \$ 2,6900  |                   | \$ 2,7450  |                 | \$ 2,8300  |
| 7           | \$ 1,6950  |              | \$ 2,1600  |              | \$ 2,5950  | 7              | \$ 2,6900  |                   | \$ 2,7250  |                 | \$ 2,8900  |
| 8           | \$ 1,6950  |              | \$ 2,1800  |              | \$ 2,7000  | 8              | \$ 2,6900  |                   | \$ 2,7250  |                 | \$ 2,8950  |
| 9           | \$ 1,6950  |              | \$ 2,2550  |              | \$ 2,5900  | 9              | \$ 2,6450  |                   | \$ 2,7350  |                 | \$ 2,8950  |
| 10          | \$ 1,8700  |              | \$ 2,2350  |              | \$ 2,5900  | 10             | \$ 2,5550  |                   | \$ 2,8200  |                 | \$ 2,8950  |
| 11          | \$ 1,9050  |              | \$ 2,3300  |              | \$ 2,5900  | 11             | \$ 2,5100  |                   | \$ 2,8200  |                 | \$ 3,0400  |
| 12          | \$ 1,9200  |              | \$ 2,3300  |              | \$ 2,6550  | 12             | \$ 2,5200  |                   | \$ 2,8200  |                 | \$ 3,1050  |
| 13          | \$ 1,9200  |              | \$ 2,3300  |              | \$ 2,5850  | 13             | \$ 2,5500  |                   | \$ 2,8850  |                 | \$ 3,1150  |
| 14          | \$ 1,8350  |              | \$ 2,3700  |              | \$ 2,6000  | 14             | \$ 2,5500  |                   | \$ 2,9700  |                 | \$ 3,1100  |
| 15          | \$ 1,8350  |              | \$ 2,4200  |              | \$ 2,6400  | 15             | \$ 2,5500  |                   | \$ 2,9000  |                 | \$ 3,0700  |
| 16          | \$ 1,8350  |              | \$ 2,4800  |              | \$ 2,5200  | 16             | \$ 2,5450  |                   | \$ 2,8500  |                 | \$ 3,0700  |
| 17          | \$ 1,8150  |              | \$ 2,4300  |              | \$ 2,5200  | 17             | \$ 2,5500  |                   | \$ 2,9000  |                 | \$ 3,0700  |
| 18          | \$ 1,8600  |              | \$ 2,4900  |              | \$ 2,5200  | 18             | \$ 2,5600  |                   | \$ 2,9000  |                 | \$ 3,0400  |
| 19          | \$ 1,7850  |              | \$ 2,4900  |              | \$ 2,6350  | 19             | \$ 2,5650  |                   | \$ 2,9000  |                 | \$ 3,1550  |
| 20          | \$ 1,6050  |              | \$ 2,4900  |              | \$ 2,6050  | 20             | \$ 2,5050  |                   | \$ 2,9550  |                 | \$ 3,1000  |
| 21          | \$ 1,6950  |              | \$ 2,5300  |              | \$ 2,5900  | 21             | \$ 2,5050  |                   | \$ 3,0600  |                 | \$ 3,0200  |
| 22          | \$ 1,6950  |              | \$ 2,6850  |              | \$ 2,5950  | 22             | \$ 2,5050  |                   | \$ 3,0800  |                 | \$ 2,7800  |
| 23          | \$ 1,6950  |              | \$ 2,6600  |              | \$ 2,6850  | 23             | \$ 2,5900  |                   | \$ 3,0750  |                 | \$ 2,7800  |
| 24          | \$ 1,8800  |              | \$ 2,5400  |              | \$ 2,6850  | 24             | \$ 2,6150  |                   | \$ 2,9650  |                 | \$ 2,7800  |
| 25          | \$ 1,7800  |              | \$ 2,5600  |              | \$ 2,6850  | 25             | \$ 2,7000  |                   | \$ 2,9650  |                 | \$ 2,6850  |
| 26          | \$ 1,6950  |              | \$ 2,5600  |              | \$ 2,6450  | 26             | \$ 2,7550  |                   | \$ 2,9650  |                 | \$ 2,6950  |
| 27          | \$ 1,6900  |              | \$ 2,5600  |              | \$ 2,5700  | 27             | \$ 2,7750  |                   | \$ 2,9850  |                 | \$ 2,6800  |
| 28          | \$ 1,7450  |              | \$ 2,6550  |              | \$ 2,6000  | 28             | \$ 2,7750  |                   | \$ 2,9550  |                 | \$ 2,6400  |
| 29          | \$ 1,7450  |              | \$ 2,7300  |              | \$ 2,6150  | 29             | \$ 2,7750  |                   | \$ 2,8650  |                 | \$ 2,6350  |
| 30          | \$ 1,7450  |              | \$ 2,7900  |              | \$ 2,6150  | 30             | \$ 2,8350  |                   | \$ 2,8700  |                 | \$ 2,6350  |
| 31          | \$ 1,7450  |              | \$ 2,6150  |              | \$ 2,6150  | 31             | \$ 2,8250  |                   | \$ 2,8700  |                 | \$ 2,6350  |
| TOTAL       | \$ 55,4550 |              | \$ 72,1500 |              | \$ 81,4350 | TOTAL          | \$ 82,0050 |                   | \$ 86,2750 |                 | \$ 88,9450 |
| POSTINGS    | 31         |              | 30         |              | 31         | POSTINGS       | 31         |                   | 30         |                 | 31         |
| AVERAGE     | \$ 1,7889  |              | \$ 2,4050  |              | \$ 2,6269  | AVERAGE        | \$ 2,6453  |                   | \$ 2,8758  |                 | \$ 2,8692  |



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

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

|         | NATURAL<br>GAS WEEK<br>LOUISIANA, GULF<br>COAST, ONSHORE | PLATTS<br>GAS DAILY AVERAGE<br>LOUISIANA/<br>SOUTHEAST,<br>TENNESSEE, 500 LEG | PLATTS<br>INSIDE FERC'S<br>GAS MARKET REPORT<br>LOUISIANA/SOUTHEAST,<br>TENNESSEE,<br>LOUISIANA, 500 LEG | AVERAGE  |
|---------|--|---|--|----------|
| Nov. 15 | \$2.0200   | \$2.0287  | \$1.9700   | \$2.0062 |
| Dec. 15 | \$1.7600   | \$1.8144  | \$2.1500   | \$1.9081 |
| Jan. 16 | \$2.2575   | \$2.2331  | \$2.3400   | \$2.2769 |
| Feb. 16 | \$1.9400   | \$1.9174  | \$2.1600   | \$2.0058 |
| Mar. 16 | \$1.6525   | \$1.6615  | \$1.6600   | \$1.6580 |
| Apr. 16 | \$1.8225   | \$1.8262  | \$1.8400   | \$1.8296 |
| May 16  | \$1.8260   | \$1.8356  | \$1.9200   | \$1.8605 |
| Jun. 16 | \$2.4175   | \$2.4667  | \$1.8900   | \$2.2581 |
| Jul. 16 | \$2.7325   | \$2.7355  | \$2.8600   | \$2.7760 |
| Aug. 16 | \$2.7080   | \$2.7200  | \$2.6100   | \$2.6793 |
| Sep. 16 | \$2.8925   | \$2.9198  | \$2.7900   | \$2.8674 |
| Oct. 16 | \$2.8460   | \$2.8810  | \$2.9000   | \$2.8757 |

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 |
| 11/02/2015                                      | \$2.0000 |                 | 05/02/2016                                      | \$1.8600 |                 |
| 11/09/2015                                      | \$2.0000 |                 | 05/09/2016                                      | \$1.7900 |                 |
| 11/16/2015                                      | \$1.9900 |                 | 05/16/2016                                      | \$1.9000 |                 |
| 11/23/2015                                      | \$2.1200 |                 | 05/23/2016                                      | \$1.7600 |                 |
| 11/30/2015                                      | \$1.9900 | \$2.0200        | 05/30/2016                                      | \$1.8200 | \$1.8260        |
| 12/07/2015                                      | \$2.0800 |                 | 06/06/2016                                      | \$2.1400 |                 |
| 12/14/2015                                      | \$1.7900 |                 | 06/13/2016                                      | \$2.3400 |                 |
| 12/21/2015                                      | \$1.6700 |                 | 06/20/2016                                      | \$2.5500 |                 |
| 12/28/2015                                      | \$1.5000 | \$1.7600        | 06/27/2016                                      | \$2.6400 | \$2.4175        |
| 01/04/2016                                      | \$2.2700 |                 | 07/04/2016                                      | \$2.7900 |                 |
| 01/11/2016                                      | \$2.3900 |                 | 07/11/2016                                      | \$2.7500 |                 |
| 01/18/2016                                      | \$2.2100 |                 | 07/18/2016                                      | \$2.6600 |                 |
| 01/25/2016                                      | \$2.1600 | \$2.2575        | 07/25/2016                                      | \$2.7300 | \$2.7325        |
| 02/01/2016                                      | \$2.1300 |                 | 08/01/2016                                      | \$2.7200 |                 |
| 02/08/2016                                      | \$2.0500 |                 | 08/08/2016                                      | \$2.7900 |                 |
| 02/15/2016                                      | \$2.0300 |                 | 08/15/2016                                      | \$2.6400 |                 |
| 02/22/2016                                      | \$1.8300 |                 | 08/22/2016                                      | \$2.6200 |                 |
| 02/29/2016                                      | \$1.6600 | \$1.9400        | 08/29/2016                                      | \$2.7700 | \$2.7080        |
| 03/07/2016                                      | \$1.4900 |                 | 09/05/2016                                      | \$2.8200 |                 |
| 03/14/2016                                      | \$1.6300 |                 | 09/12/2016                                      | \$2.8000 |                 |
| 03/21/2016                                      | \$1.7800 |                 | 09/19/2016                                      | \$2.9300 |                 |
| 03/28/2016                                      | \$1.7100 | \$1.6525        | 09/26/2016                                      | \$3.0200 | \$2.8925        |
| 04/04/2016                                      | \$1.8100 |                 | 10/03/2016                                      | \$2.8400 |                 |
| 04/11/2016                                      | \$1.8900 |                 | 10/10/2016                                      | \$2.8800 |                 |
| 04/18/2016                                      | \$1.7200 |                 | 10/17/2016                                      | \$3.0700 |                 |
| 04/25/2016                                      | \$1.8700 | \$1.8225        | 10/24/2016                                      | \$2.8300 |                 |
|   |          |                 | 10/31/2016                                      | \$2.6100 | \$2.8460        |

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

| NOVEMBER<br>2015 |            |  | DECEMBER<br>2015 |  |            | JANUARY<br>2016 |            |  | FEBRUARY<br>2016 |  |            | MARCH<br>2016 |            |  | APRIL<br>2016 |  |  |
|------------------|------------|--|------------------|--|------------|-----------------|------------|--|------------------|--|------------|---------------|------------|--|---------------|--|--|
| DAY              | MIDPOINT   |  | MIDPOINT         |  | MIDPOINT   | DAY             | MIDPOINT   |  | MIDPOINT         |  | MIDPOINT   |               | MIDPOINT   |  | MIDPOINT      |  |  |
| 1                | \$ 1.9100  |  | \$ 2.0650        |  | \$ 2.3000  | 1               | \$ 2.2400  |  | \$ 1.5450        |  | \$ 1.8500  |               | \$ 1.8500  |  | \$ 1.8500     |  |  |
| 2                | \$ 1.9100  |  | \$ 2.1450        |  | \$ 2.3000  | 2               | \$ 2.1000  |  | \$ 1.5500        |  | \$ 1.8100  |               | \$ 1.8100  |  | \$ 1.8100     |  |  |
| 3                | \$ 1.8950  |  | \$ 2.1750        |  | \$ 2.3000  | 3               | \$ 1.9850  |  | \$ 1.5500        |  | \$ 1.8100  |               | \$ 1.8100  |  | \$ 1.8100     |  |  |
| 4                | \$ 1.8950  |  | \$ 2.0850        |  | \$ 2.3000  | 4               | \$ 2.0250  |  | \$ 1.5400        |  | \$ 1.8100  |               | \$ 1.8100  |  | \$ 1.8100     |  |  |
| 5                | \$ 2.0150  |  | \$ 2.0650        |  | \$ 2.3700  | 5               | \$ 2.0050  |  | \$ 1.4750        |  | \$ 1.8550  |               | \$ 1.8550  |  | \$ 1.8550     |  |  |
| 6                | \$ 2.0750  |  | \$ 2.0650        |  | \$ 2.2800  | 6               | \$ 2.0450  |  | \$ 1.4750        |  | \$ 1.8200  |               | \$ 1.8200  |  | \$ 1.8200     |  |  |
| 7                | \$ 2.1000  |  | \$ 2.0650        |  | \$ 2.3200  | 7               | \$ 2.0450  |  | \$ 1.4750        |  | \$ 1.8150  |               | \$ 1.8150  |  | \$ 1.8150     |  |  |
| 8                | \$ 2.1000  |  | \$ 2.0050        |  | \$ 2.3150  | 8               | \$ 2.0450  |  | \$ 1.5000        |  | \$ 1.8700  |               | \$ 1.8700  |  | \$ 1.8700     |  |  |
| 9                | \$ 2.1000  |  | \$ 1.9450        |  | \$ 2.4250  | 9               | \$ 2.1800  |  | \$ 1.5200        |  | \$ 1.8650  |               | \$ 1.8650  |  | \$ 1.8650     |  |  |
| 10               | \$ 2.0550  |  | \$ 1.9350        |  | \$ 2.4250  | 10              | \$ 2.1450  |  | \$ 1.5500        |  | \$ 1.8650  |               | \$ 1.8650  |  | \$ 1.8650     |  |  |
| 11               | \$ 2.0700  |  | \$ 1.8150        |  | \$ 2.4250  | 11              | \$ 2.0900  |  | \$ 1.6500        |  | \$ 1.8650  |               | \$ 1.8650  |  | \$ 1.8650     |  |  |
| 12               | \$ 2.0300  |  | \$ 1.6750        |  | \$ 2.4350  | 12              | \$ 2.0600  |  | \$ 1.6700        |  | \$ 1.8050  |               | \$ 1.8050  |  | \$ 1.8050     |  |  |
| 13               | \$ 1.9550  |  | \$ 1.6750        |  | \$ 2.3150  | 13              | \$ 1.9800  |  | \$ 1.6700        |  | \$ 1.8550  |               | \$ 1.8550  |  | \$ 1.8550     |  |  |
| 14               | \$ 1.9900  |  | \$ 1.6750        |  | \$ 2.2500  | 14              | \$ 1.9800  |  | \$ 1.6700        |  | \$ 1.8550  |               | \$ 1.8550  |  | \$ 1.8550     |  |  |
| 15               | \$ 1.9900  |  | \$ 1.6200        |  | \$ 2.1650  | 15              | \$ 1.9800  |  | \$ 1.6450        |  | \$ 1.7750  |               | \$ 1.7750  |  | \$ 1.7750     |  |  |
| 16               | \$ 1.9900  |  | \$ 1.6050        |  | \$ 2.1750  | 16              | \$ 1.9800  |  | \$ 1.7450        |  | \$ 1.6200  |               | \$ 1.6200  |  | \$ 1.6200     |  |  |
| 17               | \$ 2.0500  |  | \$ 1.6600        |  | \$ 2.1750  | 17              | \$ 1.8450  |  | \$ 1.7100        |  | \$ 1.6200  |               | \$ 1.6200  |  | \$ 1.6200     |  |  |
| 18               | \$ 1.9500  |  | \$ 1.7150        |  | \$ 2.1750  | 18              | \$ 1.8550  |  | \$ 1.7700        |  | \$ 1.6200  |               | \$ 1.6200  |  | \$ 1.6200     |  |  |
| 19               | \$ 2.0550  |  | \$ 1.6650        |  | \$ 2.1750  | 19              | \$ 1.8300  |  | \$ 1.8300        |  | \$ 1.7250  |               | \$ 1.7250  |  | \$ 1.7250     |  |  |
| 20               | \$ 2.1500  |  | \$ 1.6650        |  | \$ 2.1400  | 20              | \$ 1.7550  |  | \$ 1.8300        |  | \$ 1.8700  |               | \$ 1.8700  |  | \$ 1.8700     |  |  |
| 21               | \$ 2.1650  |  | \$ 1.6650        |  | \$ 2.1150  | 21              | \$ 1.7550  |  | \$ 1.8300        |  | \$ 1.9050  |               | \$ 1.9050  |  | \$ 1.9050     |  |  |
| 22               | \$ 2.1650  |  | \$ 1.7350        |  | \$ 2.1600  | 22              | \$ 1.7550  |  | \$ 1.7550        |  | \$ 1.8950  |               | \$ 1.8950  |  | \$ 1.8950     |  |  |
| 23               | \$ 2.1650  |  | \$ 1.6800        |  | \$ 2.1550  | 23              | \$ 1.7700  |  | \$ 1.7250        |  | \$ 1.8900  |               | \$ 1.8900  |  | \$ 1.8900     |  |  |
| 24               | \$ 2.1400  |  | \$ 1.5150        |  | \$ 2.1550  | 24              | \$ 1.7450  |  | \$ 1.7850        |  | \$ 1.8900  |               | \$ 1.8900  |  | \$ 1.8900     |  |  |
| 25               | \$ 2.0650  |  | \$ 1.4250        |  | \$ 2.1550  | 25              | \$ 1.7550  |  | \$ 1.6800        |  | \$ 1.8900  |               | \$ 1.8900  |  | \$ 1.8900     |  |  |
| 26               | \$ 1.9750  |  | \$ 1.4250        |  | \$ 2.1000  | 26              | \$ 1.7350  |  | \$ 1.6800        |  | \$ 1.8950  |               | \$ 1.8950  |  | \$ 1.8950     |  |  |
| 27               | \$ 1.9750  |  | \$ 1.4250        |  | \$ 2.1850  | 27              | \$ 1.6400  |  | \$ 1.6800        |  | \$ 1.8650  |               | \$ 1.8650  |  | \$ 1.8650     |  |  |
| 28               | \$ 1.9750  |  | \$ 1.4250        |  | \$ 2.1800  | 28              | \$ 1.6400  |  | \$ 1.6800        |  | \$ 1.8750  |               | \$ 1.8750  |  | \$ 1.8750     |  |  |
| 29               | \$ 1.9750  |  | \$ 2.0750        |  | \$ 2.0850  | 29              | \$ 1.6400  |  | \$ 1.7350        |  | \$ 1.8500  |               | \$ 1.8500  |  | \$ 1.8500     |  |  |
| 30               | \$ 1.9750  |  | \$ 2.3250        |  | \$ 2.0850  | 30              |            |  | \$ 1.7550        |  | \$ 1.8500  |               | \$ 1.8500  |  | \$ 1.8500     |  |  |
| 31               |            |  | \$ 2.2300        |  | \$ 2.0850  | 31              |            |  | \$ 1.8300        |  |            |               |            |  |               |  |  |
| TOTAL            | \$ 60.8600 |  | \$ 56.2450       |  | \$ 69.2250 | TOTAL           | \$ 55.6050 |  | \$ 51.5050       |  | \$ 54.7850 |               | \$ 54.7850 |  | \$ 54.7850    |  |  |
| POSTINGS         | 30         |  | 31               |  | 31         | POSTINGS        | 29         |  | 31               |  | 30         |               | 30         |  | 30            |  |  |
| AVERAGE          | \$ 2.0287  |  | \$ 1.8144        |  | \$ 2.2331  | AVERAGE         | \$ 1.9174  |  | \$ 1.6615        |  | \$ 1.8262  |               | \$ 1.8262  |  | \$ 1.8262     |  |  |

| MAY<br>2016 |            | JUNE<br>2016 |            | JULY<br>2016 |            | AUGUST<br>2016 |            | SEPTEMBER<br>2016 |          | OCTOBER<br>2016 |  |
|-------------|------------|--------------|------------|--------------|------------|----------------|------------|-------------------|----------|-----------------|--|
| DAY         | MIDPOINT   | MIDPOINT     | MIDPOINT   | MIDPOINT     | DAY        | MIDPOINT       | MIDPOINT   | MIDPOINT          | MIDPOINT |                 |  |
| 1           | \$ 1.8250  | \$ 2.0600    | \$ 2.8500  | 1            | \$ 2.8650  | \$ 2.8650      | \$ 2.8000  |                   |          |                 |  |
| 2           | \$ 1.8250  | \$ 2.2000    | \$ 2.8150  | 2            | \$ 2.8250  | \$ 2.8250      | \$ 2.8000  |                   |          |                 |  |
| 3           | \$ 1.8450  | \$ 2.2400    | \$ 2.8150  | 3            | \$ 2.7500  | \$ 2.7800      | \$ 2.8000  |                   |          |                 |  |
| 4           | \$ 1.8750  | \$ 2.2200    | \$ 2.8150  | 4            | \$ 2.8250  | \$ 2.7800      | \$ 2.8050  |                   |          |                 |  |
| 5           | \$ 1.9500  | \$ 2.2200    | \$ 2.8150  | 5            | \$ 2.8300  | \$ 2.7800      | \$ 2.8350  |                   |          |                 |  |
| 6           | \$ 1.8750  | \$ 2.2200    | \$ 2.7600  | 6            | \$ 2.7750  | \$ 2.7800      | \$ 2.8650  |                   |          |                 |  |
| 7           | \$ 1.7650  | \$ 2.2600    | \$ 2.7300  | 7            | \$ 2.7750  | \$ 2.7800      | \$ 2.9550  |                   |          |                 |  |
| 8           | \$ 1.7650  | \$ 2.2450    | \$ 2.7900  | 8            | \$ 2.7750  | \$ 2.7600      | \$ 2.9100  |                   |          |                 |  |
| 9           | \$ 1.7650  | \$ 2.3000    | \$ 2.7250  | 9            | \$ 2.7150  | \$ 2.8000      | \$ 2.9100  |                   |          |                 |  |
| 10          | \$ 1.8900  | \$ 2.2950    | \$ 2.7250  | 10           | \$ 2.6850  | \$ 2.8750      | \$ 2.9100  |                   |          |                 |  |
| 11          | \$ 1.9500  | \$ 2.3850    | \$ 2.7250  | 11           | \$ 2.6100  | \$ 2.8750      | \$ 3.1050  |                   |          |                 |  |
| 12          | \$ 1.9300  | \$ 2.3850    | \$ 2.7650  | 12           | \$ 2.5700  | \$ 2.8750      | \$ 3.1000  |                   |          |                 |  |
| 13          | \$ 1.9300  | \$ 2.3850    | \$ 2.7050  | 13           | \$ 2.6250  | \$ 2.9450      | \$ 3.1150  |                   |          |                 |  |
| 14          | \$ 1.8650  | \$ 2.5000    | \$ 2.7500  | 14           | \$ 2.6250  | \$ 2.9950      | \$ 3.0950  |                   |          |                 |  |
| 15          | \$ 1.8650  | \$ 2.4900    | \$ 2.7250  | 15           | \$ 2.6250  | \$ 2.9800      | \$ 3.0850  |                   |          |                 |  |
| 16          | \$ 1.8650  | \$ 2.5600    | \$ 2.6450  | 16           | \$ 2.6450  | \$ 2.9050      | \$ 3.0850  |                   |          |                 |  |
| 17          | \$ 1.8250  | \$ 2.5200    | \$ 2.6450  | 17           | \$ 2.6250  | \$ 2.9350      | \$ 3.0850  |                   |          |                 |  |
| 18          | \$ 1.8800  | \$ 2.5350    | \$ 2.6450  | 18           | \$ 2.6300  | \$ 2.9350      | \$ 3.0850  |                   |          |                 |  |
| 19          | \$ 1.8150  | \$ 2.5350    | \$ 2.7550  | 19           | \$ 2.6300  | \$ 2.9350      | \$ 3.1450  |                   |          |                 |  |
| 20          | \$ 1.7150  | \$ 2.5350    | \$ 2.7550  | 20           | \$ 2.5900  | \$ 2.9650      | \$ 3.0800  |                   |          |                 |  |
| 21          | \$ 1.7450  | \$ 2.6550    | \$ 2.6600  | 21           | \$ 2.5900  | \$ 3.0650      | \$ 3.0000  |                   |          |                 |  |
| 22          | \$ 1.7450  | \$ 2.7100    | \$ 2.6650  | 22           | \$ 2.5900  | \$ 3.1100      | \$ 2.7550  |                   |          |                 |  |
| 23          | \$ 1.7450  | \$ 2.7250    | \$ 2.7350  | 23           | \$ 2.6450  | \$ 3.1000      | \$ 2.7550  |                   |          |                 |  |
| 24          | \$ 1.9100  | \$ 2.6300    | \$ 2.7350  | 24           | \$ 2.6800  | \$ 3.0300      | \$ 2.7550  |                   |          |                 |  |
| 25          | \$ 1.8250  | \$ 2.6250    | \$ 2.7350  | 25           | \$ 2.7650  | \$ 3.0300      | \$ 2.6650  |                   |          |                 |  |
| 26          | \$ 1.7400  | \$ 2.6250    | \$ 2.7750  | 26           | \$ 2.8000  | \$ 3.0300      | \$ 2.6350  |                   |          |                 |  |
| 27          | \$ 1.7350  | \$ 2.6250    | \$ 2.6750  | 27           | \$ 2.8200  | \$ 3.0250      | \$ 2.6550  |                   |          |                 |  |
| 28          | \$ 1.8600  | \$ 2.6800    | \$ 2.7200  | 28           | \$ 2.8200  | \$ 2.9950      | \$ 2.6450  |                   |          |                 |  |
| 29          | \$ 1.8600  | \$ 2.7950    | \$ 2.7150  | 29           | \$ 2.8200  | \$ 2.9350      | \$ 2.6250  |                   |          |                 |  |
| 30          | \$ 1.8600  | \$ 2.8400    | \$ 2.7150  | 30           | \$ 2.9000  | \$ 2.9050      | \$ 2.6250  |                   |          |                 |  |
| 31          | \$ 1.8600  |              | \$ 2.7150  | 31           | \$ 2.8950  |                | \$ 2.6250  |                   |          |                 |  |
| TOTAL       | \$ 56.9050 | \$ 74.0000   | \$ 84.8000 | TOTAL        | \$ 84.3200 | \$ 87.5950     | \$ 89.3100 |                   |          |                 |  |
| POSTINGS    | 31         | 30           | 31         | POSTINGS     | 31         | 30             | 31         |                   |          |                 |  |
| AVERAGE     | \$ 1.8356  | \$ 2.4667    | \$ 2.7355  | AVERAGE      | \$ 2.7200  | \$ 2.9198      | \$ 2.8810  |                   |          |                 |  |

**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  | 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                      |         |                                   |                                       |                                      |                                      |                                      | SUMMER SEASON                        |            |                                    |         |                                    |                                       |                                      |                                      |                                      |                                      |       |
| CONTRACTS   | ZONE                               | NOV 15  | DEC 15                            | JAN 16                                | FEB 16                               | MAR 16                               | (SUM OF COL 1-5)                     | ALLOCATION PERCENTAGE*               | APR 16     | MAY 16                             | JUN 16  | JUL 16                             | AUG 16                                | SEP 16                               | OCT 16                               | (SUM OF COL 8-14)                    | ALLOCATION PERCENTAGE*               |       |
| TGT-NNS-29781   | SL                                 | 0       | 0                                 | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                | 0          | 0                                  | 0       | 0                                  | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                |       |
|   | 1                                  | 100,714 | 100,714                           | 100,714                               | 100,714                              | 100,714                              | 503,570                              | 54.09%                               | 37,830     | 37,830                             | 37,830  | 37,830                             | 37,830                                | 37,830                               | 37,830                               | 364,810                              | 64.06%                               |       |
|   | 4                                  | 85,493  | 85,493                            | 85,493                                | 85,493                               | 85,493                               | 427,465                              | 45.91%                               | 43,542     | 43,542                             | 23,542  | 23,542                             | 23,542                                | 23,542                               | 23,542                               | 204,784                              | 35.95%                               |       |
|   | TOTAL                              | 186,207 | 186,207                           | 186,207                               | 186,207                              | 186,207                              | 931,035                              | 100.00%                              | 81,372     | 81,372                             | 61,372  | 61,372                             | 61,372                                | 61,372                               | 61,372                               | 569,604                              | 100.00%                              |       |
| TGT-FT-29909  | SL                                 | 0       | 0                                 | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                | 149        | 149                                | 149     | 149                                | 149                                   | 149                                  | 149                                  | 1,043                                | 1.20%                                |       |
|   | 1                                  | 1,900   | 1,900                             | 1,900                                 | 1,900                                | 1,900                                | 9,500                                | 15.97%                               | 2,266      | 2,266                              | 2,266   | 2,266                              | 2,266                                 | 2,266                                | 2,266                                | 15,862                               | 18.25%                               |       |
|   | 4                                  | 10,000  | 10,000                            | 10,000                                | 10,000                               | 10,000                               | 50,000                               | 84.03%                               | 10,000     | 10,000                             | 10,000  | 10,000                             | 10,000                                | 10,000                               | 10,000                               | 70,000                               | 80.55%                               |       |
|   | TOTAL                              | 11,900  | 11,900                            | 11,900                                | 11,900                               | 11,900                               | 59,500                               | 100.00%                              | 12,415     | 12,415                             | 12,415  | 12,415                             | 12,415                                | 12,415                               | 12,415                               | 86,905                               | 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                                  | 0       | 0                                 | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                | 0          | 0                                  | 60,000  | 60,000                             | 60,000                                | 60,000                               | 60,000                               | 300,000                              | 100.00%                              |       |
|   | TOTAL                              | 0       | 0                                 | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                | 0          | 0                                  | 60,000  | 60,000                             | 60,000                                | 60,000                               | 60,000                               | 300,000                              | 100.00%                              |       |
| TGT-STF-32591   | 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%                                | 3,420      | 3,420                              | 3,420   | 3,420                              | 3,420                                 | 3,420                                | 3,420                                | 23,940                               | 15.97%                               |       |
|   | 4                                  | 0       | 0                                 | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                | 18,000     | 18,000                             | 18,000  | 18,000                             | 18,000                                | 18,000                               | 18,000                               | 126,000                              | 84.03%                               |       |
|   | TOTAL                              | 0       | 0                                 | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                | 21,420     | 21,420                             | 21,420  | 21,420                             | 21,420                                | 21,420                               | 21,420                               | 149,940                              | 100.00%                              |       |
| TGT-STF-34918   | SL                                 | 0       | 0                                 | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                | 0          | 0                                  | 0       | 0                                  | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                |       |
|   | 1                                  | 0       | 100                               | 30,000                                | 0                                    | 0                                    | 30,100                               | 100.00%                              | 0          | 0                                  | 0       | 0                                  | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                |       |
|   | 4                                  | 0       | 0                                 | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                | 0          | 0                                  | 0       | 0                                  | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                |       |
|   | TOTAL                              | 0       | 100                               | 30,000                                | 0                                    | 0                                    | 30,100                               | 100.00%                              | 0          | 0                                  | 0       | 0                                  | 0                                     | 0                                    | 0                                    | 0                                    | 0.00%                                |       |
| 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 16) | 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   | 26,220,000                         | SL      | 0.00%                             | 0                                     | 14,162,398                           | 12,037,602                           | 0                                    | 0                                    | 6,292,000  | SL                                 | 0.00%   | 0                                  | 5,311,026                             | 2,980,974                            | 0                                    | 0                                    | 0                                    |       |
|   |                                    | 1       | 54.09%                            |                                       |                                      |                                      |                                      |                                      |            | 1                                  | 54.09%  |                                    |                                       |                                      |                                      |                                      |                                      |       |
|   |                                    | 4       | 45.91%                            |                                       |                                      |                                      |                                      |                                      |            | 4                                  | 35.95%  |                                    |                                       |                                      |                                      |                                      |                                      |       |
| TGT-FT-29909  | 1,520,000                          | SL      | 0.00%                             | 0                                     | 242,744                              | 1,277,256                            | 0                                    | 0                                    | 2,140,000  | SL                                 | 1.20%   | 25,680                             | 390,550                               | 1,723,770                            | 0                                    | 0                                    | 0                                    |       |
|   |                                    | 1       | 15.97%                            |                                       |                                      |                                      |                                      |                                      |            | 1                                  | 18.25%  |                                    |                                       |                                      |                                      |                                      |                                      |       |
|   |                                    | 4       | 84.03%                            |                                       |                                      |                                      |                                      |                                      |            | 4                                  | 80.55%  |                                    |                                       |                                      |                                      |                                      |                                      |       |
| TGT-FT-34951  | 0                                  | SL      | 0.00%                             | 0                                     | 0                                    | 0                                    | 0                                    | 0                                    | 9,160,000  | SL                                 | 0.00%   | 0                                  | 0                                     | 9,160,000                            | 0                                    | 0                                    | 0                                    |       |
|   |                                    | 1       | 0.00%                             |                                       |                                      |                                      |                                      |                                      |            | 1                                  | 0.00%   |                                    |                                       |                                      |                                      |                                      |                                      |       |
|   |                                    | 4       | 0.00%                             |                                       |                                      |                                      |                                      |                                      |            | 4                                  | 100.00% |                                    |                                       |                                      |                                      |                                      |                                      |       |
| TGT-STF-32591   | 0                                  | SL      | 0.00%                             | 0                                     | 0                                    | 0                                    | 0                                    | 0                                    | 3,852,000  | SL                                 | 0.00%   | 0                                  | 615,164                               | 3,236,836                            | 0                                    | 0                                    | 0                                    |       |
|   |                                    | 1       | 0.00%                             |                                       |                                      |                                      |                                      |                                      |            | 1                                  | 15.97%  |                                    |                                       |                                      |                                      |                                      |                                      |       |
|   |                                    | 4       | 0.00%                             |                                       |                                      |                                      |                                      |                                      |            | 4                                  | 84.03%  |                                    |                                       |                                      |                                      |                                      |                                      |       |
| TGT-STF-34918   | 933,100                            | SL      | 0.00%                             | 0                                     | 933,100                              | 0                                    | 0                                    | 0                                    | 0          | SL                                 | 0.00%   | 0                                  | 0                                     | 0                                    | 0                                    | 0                                    | 0                                    |       |
|   |                                    | 1       | 100.00%                           |                                       |                                      |                                      |                                      |                                      |            | 1                                  | 0.00%   |                                    |                                       |                                      |                                      |                                      |                                      |       |
|   |                                    | 4       | 0.00%                             |                                       |                                      |                                      |                                      |                                      |            | 4                                  | 0.00%   |                                    |                                       |                                      |                                      |                                      |                                      |       |
| TGPL-FT-A-111110  | 3,040,000                          | 0       | 100.00%                           | 0                                     | 3,040,000                            | 0                                    | 0                                    | 0                                    | 4,260,000  | 0                                  | 100.00% | 0                                  | 4,260,000                             | 0                                    | 0                                    | 0                                    | 0                                    |       |
|   |                                    | 1       | 0.00%                             |                                       |                                      |                                      |                                      |                                      |            | 1                                  | 0.00%   |                                    |                                       |                                      |                                      |                                      |                                      |       |
| TOTALS  | 31,713,100                         |         |                                   | 0                                     | 15,358,242                           | 13,314,858                           | 3,040,000                            | 0                                    | 31,713,100 | 27,744,000                         |         | 25,680                             | 6,316,740                             | 17,121,580                           | 4,260,000                            | 0                                    | 27,744,000                           |       |
| SUPPLY ZONE FIRM QUANTITY ENTITLEMENT PERCENT**           |                                    |         | 0.00%                             | 48.43%                                | 41.98%                               | 9.59%                                | 0.00%                                | 100.00%                              |            |                                    | 0.09%   | 22.77%                             | 61.71%                                | 15.43%                               | 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  | 58                    | 59    | 60         | 61           |
|---------|-----------------------|-------|------------|--------------|
|         | NNS                   |       |            | TOTAL        |
|         | CALC. OF DIRECT BILLS |       | TOTAL      | TOTAL NNS    |
|         | CASH-                 |       | S&DB       | BMGTC        |
|         | OUT                   | OTHER | (0+58+59)  | (4+7+61)     |
| MONTH   |                       |       |            |              |
| NOV. 15 | \$0                   | \$0   | \$2,728    | \$2,446,484  |
| DEC. 15 | \$0                   | \$0   | \$2,082    | \$2,494,148  |
| JAN. 16 | (\$24,370)            | \$0   | (\$22,032) | \$2,482,181  |
| FEB. 16 | \$0                   | \$0   | \$2,052    | \$2,338,752  |
| MAR. 16 | \$0                   | \$0   | \$1,449    | \$2,468,871  |
| APR. 16 | \$0                   | \$0   | \$800      | \$1,280,708  |
| MAY 16  | \$0                   | \$0   | \$550      | \$804,019    |
| JUN. 16 | \$0                   | \$0   | \$631      | \$782,515    |
| JUL. 16 | \$0                   | \$0   | \$417      | \$798,028    |
| AUG. 16 | \$0                   | \$0   | \$1,584    | \$850,409    |
| SEP. 16 | \$0                   | \$0   | \$1,749    | \$832,874    |
| OCT. 16 | \$0                   | \$0   | \$1,217    | \$1,578,650  |
| TOTAL   | (\$24,370)            | \$0   | (\$8,795)  | \$19,135,237 |

| COLUMN  | 62                    | 63    | 64         | 65          |
|---------|-----------------------|-------|------------|-------------|
|         | FT                    |       |            | TOTAL FT    |
|         | CALC. OF DIRECT BILLS |       | TOTAL S&DB | BMGTC       |
|         | CASH-                 |       | (25+62+    | (13+22+     |
|         | OUT                   | OTHER | 63)        | 64)         |
| MONTH   |                       |       |            |             |
| NOV. 15 | \$0                   | \$0   | \$420      | \$109,781   |
| DEC. 15 | \$0                   | \$0   | \$132      | \$102,306   |
| JAN. 16 | \$0                   | \$0   | \$324      | \$109,483   |
| FEB. 16 | \$0                   | \$0   | \$255      | \$100,817   |
| MAR. 16 | \$0                   | \$0   | \$433      | \$113,541   |
| APR. 16 | \$0                   | \$0   | \$0        | \$94,260    |
| MAY 16  | \$0                   | \$0   | \$427      | \$113,327   |
| JUN. 16 | \$0                   | \$0   | \$420      | \$109,920   |
| JUL. 16 | \$0                   | \$0   | \$428      | \$113,369   |
| AUG. 16 | \$0                   | \$0   | \$434      | \$113,584   |
| SEP. 16 | \$0                   | \$0   | \$420      | \$109,920   |
| OCT. 16 | \$0                   | \$0   | \$401      | \$113,487   |
| TOTAL   | \$0                   | \$0   | \$4,094    | \$1,303,595 |

| COLUMN  | 66                    | 67    | 68         | 69                |
|---------|-----------------------|-------|------------|-------------------|
|         | FT BACKHAUL           |       |            | TOTAL FT BACKHAUL |
|         | CALC. OF DIRECT BILLS |       | TOTAL S&DB | BMGTC             |
|         | CASH-                 |       | (41+66+    | (29+38+           |
|         | OUT                   | OTHER | 67)        | 68)               |
| MONTH   |                       |       |            |                   |
| NOV. 15 | \$0                   | \$0   | \$0        | \$0               |
| DEC. 15 | \$0                   | \$0   | \$0        | \$0               |
| JAN. 16 | \$0                   | \$0   | \$0        | \$0               |
| FEB. 16 | \$0                   | \$0   | \$0        | \$0               |
| MAR. 16 | \$0                   | \$0   | \$0        | \$0               |
| APR. 16 | \$0                   | \$0   | \$0        | \$0               |
| MAY 16  | \$0                   | \$0   | \$0        | \$0               |
| JUN. 16 | \$0                   | \$0   | \$6        | \$247,469         |
| JUL. 16 | \$0                   | \$0   | \$902      | \$279,683         |
| AUG. 16 | \$0                   | \$0   | \$880      | \$278,550         |
| SEP. 16 | \$0                   | \$0   | \$833      | \$269,585         |
| OCT. 16 | \$0                   | \$0   | \$799      | \$278,489         |
| TOTAL   | \$0                   | \$0   | \$3,400    | \$1,353,738       |

| COLUMN  | 70                    | 71    | 72         | 73          |
|---------|-----------------------|-------|------------|-------------|
|         | STF                   |       |            | TOTAL STF   |
|         | CALC. OF DIRECT BILLS |       | TOTAL S&DB | BMGTC       |
|         | CASH-                 |       | (41+50+    | (45+54+     |
|         | OUT                   | OTHER | 51)        | 72)         |
| MONTH   |                       |       |            |             |
| NOV. 15 | \$0                   | \$0   | \$0        | \$0         |
| DEC. 15 | \$0                   | \$0   | \$0        | \$1,318     |
| JAN. 16 | \$0                   | \$0   | \$897      | \$428,999   |
| FEB. 16 | \$0                   | \$0   | \$0        | \$0         |
| MAR. 16 | \$0                   | \$0   | \$0        | \$0         |
| APR. 16 | \$0                   | \$0   | \$0        | \$69,738    |
| MAY 16  | \$0                   | \$0   | \$91       | \$106,447   |
| JUN. 16 | \$0                   | \$0   | \$758      | \$127,928   |
| JUL. 16 | \$0                   | \$0   | \$772      | \$131,841   |
| AUG. 16 | \$0                   | \$0   | \$781      | \$132,190   |
| SEP. 16 | \$0                   | \$0   | \$756      | \$127,928   |
| OCT. 16 | \$0                   | \$0   | \$723      | \$132,021   |
| TOTAL   | \$0                   | \$0   | \$4,776    | \$1,288,308 |



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

COLUMN 74

| MONTH   | TOTAL<br>BM(TGT) |
|---------|------------------|
| NOV. 15 | (61+85+69+73)    |
| DEC. 15 | \$2,556,265      |
| JAN. 16 | \$2,597,772      |
| FEB. 16 | \$3,020,563      |
| MAR. 16 | \$2,439,369      |
| APR. 16 | \$2,580,212      |
| MAY 16  | \$1,454,704      |
| JUN. 16 | \$1,023,793      |
| JUL. 16 | \$1,267,830      |
| AUG. 16 | \$1,322,901      |
| SEP. 16 | \$1,374,733      |
| OCT. 16 | \$1,340,085      |
| TOTAL   | \$2,102,647      |

TOTAL \$23,080,874

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

| COLUMN   | 75         | 76         | 77         | 78         | 79         | 80         | 81         | 82         | 83         | 84         | 85         | 86         | 87          |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| MONTH  | NOV. 15    | DEC. 15    | JAN. 16    | FEB. 16    | MAR. 16    | APR. 16    | MAY. 16    | JUN. 16    | JUL. 16    | AUG. 16    | SEP. 16    | OCT. 16    | TOTAL       |
| DEMAND   | 20,000     | 20,000     | 20,000     | 20,000     | 20,000     | 20,000     | 20,000     | 20,000     | 20,000     | 20,000     | 20,000     | 20,000     | 240,000     |
| CONTRACT   | (\$27,812) | (\$27,812) | (\$27,812) | (\$27,812) | (\$27,812) | (\$27,812) | (\$27,812) | (\$27,812) | (\$27,812) | (\$27,812) | (\$27,812) | (\$27,812) | \$3,742,944 |
| FT-A ZONE 0 DEMAND CHARGES   | \$311,812  | \$311,812  | \$311,812  | \$311,812  | \$311,812  | \$311,812  | \$311,812  | \$311,812  | \$311,812  | \$311,812  | \$311,812  | \$311,812  | \$3,742,944 |
| FT-A ZONE 0 COMMODITY CHARGES  | \$0.0184   | \$0.0184   | \$0.0184   | \$0.0184   | \$0.0184   | \$0.0184   | \$0.0184   | \$0.0184   | \$0.0184   | \$0.0184   | \$0.0184   | \$0.0184   | \$5,203,089 |
| FT-A ZONE 0 CITY-GATE DELIVERIES                                       | 600,000    | 600,000    | 600,000    | 600,000    | 600,000    | 600,000    | 600,000    | 600,000    | 600,000    | 600,000    | 600,000    | 600,000    | 5,203,089   |
| FT-A ZONE 0 TOTAL  | \$311,830  | \$311,830  | \$311,830  | \$311,830  | \$311,830  | \$311,830  | \$311,830  | \$311,830  | \$311,830  | \$311,830  | \$311,830  | \$311,830  | \$5,203,089 |
| FT-A ZONE 0 TOTAL SALES  | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$114,782   |
| FT-A ZONE 0 TOTAL BENCHMARK MONTHLY GAS TRANSPORTATION COSTS (TABMGTC) | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$18,883   | \$3,853,484 |

| COLUMN   | 88         | 89         | 90         | 91         | 92         | 93         | 94         | 95         | 96         | 97         | 98         | 99         | 100      |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----------|
| MONTH  | NOV. 15    | DEC. 15    | JAN. 16    | FEB. 16    | MAR. 16    | APR. 16    | MAY. 16    | JUN. 16    | JUL. 16    | AUG. 16    | SEP. 16    | OCT. 16    | TOTAL    |
| DEMAND   | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0        |
| CONTRACT   | (\$88,889) | (\$88,889) | (\$88,889) | (\$88,889) | (\$88,889) | (\$88,889) | (\$88,889) | (\$88,889) | (\$88,889) | (\$88,889) | (\$88,889) | (\$88,889) | \$0      |
| FT-A ZONE 1 DEMAND CHARGES   | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0      |
| FT-A ZONE 1 COMMODITY CHARGES  | \$0.0154   | \$0.0154   | \$0.0154   | \$0.0154   | \$0.0154   | \$0.0154   | \$0.0154   | \$0.0154   | \$0.0154   | \$0.0154   | \$0.0154   | \$0.0154   | \$0.0154 |
| FT-A ZONE 1 CITY-GATE DELIVERIES                                       | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0        |
| FT-A ZONE 1 TOTAL  | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0      |
| FT-A ZONE 1 TOTAL SALES  | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0      |
| FT-A ZONE 1 TOTAL BENCHMARK MONTHLY GAS TRANSPORTATION COSTS (TABMGTC) | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0        | \$0      |

| COLUMN   | 101         | 102         | 103         | 104         | 105         | 106         | 107         | 108         | 109         | 110         | 111         | 112         | 113      |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|
| MONTH  | NOV. 15     | DEC. 15     | JAN. 16     | FEB. 16     | MAR. 16     | APR. 16     | MAY. 16     | JUN. 16     | JUL. 16     | AUG. 16     | SEP. 16     | OCT. 16     | TOTAL    |
| DEMAND   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0        |
| CONTRACT   | (\$101,021) | (\$101,021) | (\$101,021) | (\$101,021) | (\$101,021) | (\$101,021) | (\$101,021) | (\$101,021) | (\$101,021) | (\$101,021) | (\$101,021) | (\$101,021) | \$0      |
| FT-A ZONE 2 DEMAND CHARGES   | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0      |
| FT-A ZONE 2 COMMODITY CHARGES  | \$0.0019    | \$0.0019    | \$0.0019    | \$0.0019    | \$0.0019    | \$0.0019    | \$0.0019    | \$0.0019    | \$0.0019    | \$0.0019    | \$0.0019    | \$0.0019    | \$0.0019 |
| FT-A ZONE 2 CITY-GATE DELIVERIES                                       | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0        |
| FT-A ZONE 2 TOTAL  | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0      |
| FT-A ZONE 2 TOTAL SALES  | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0      |
| FT-A ZONE 2 TOTAL BENCHMARK MONTHLY GAS TRANSPORTATION COSTS (TABMGTC) | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0      |

| COLUMN   | 114        | 115        |
|--|------------|------------|
| MONTH  | NOV. 15    | DEC. 15    |
| DEMAND   | 0          | 0          |
| CONTRACT   | (\$37,857) | (\$37,857) |
| FT-A ZONE 2 DEMAND CHARGES   | \$0        | \$0        |
| FT-A ZONE 2 COMMODITY CHARGES  | \$0.0019   | \$0.0019   |
| FT-A ZONE 2 CITY-GATE DELIVERIES                                       | 0          | 0          |
| FT-A ZONE 2 TOTAL  | \$0        | \$0        |
| FT-A ZONE 2 TOTAL SALES  | \$0        | \$0        |
| FT-A ZONE 2 TOTAL BENCHMARK MONTHLY GAS TRANSPORTATION COSTS (TABMGTC) | \$0        | \$0        |

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

| COLUMN  | 116                            | 117         | 118     | 119           |
|---------|--------------------------------|-------------|---------|---------------|
|         | SUMMARY OF PIPELINE BENCHMARKS |             |         |               |
|         | TOTAL                          | TOTAL       | TOTAL   | TABMGTC       |
| MONTH   | BM(TGT)                        | BM(TGPL)    | BM(PPL) | (116+117+118) |
| NOV. 15 | \$2,556,265                    | \$337,857   | \$0     | \$2,894,122   |
| DEC. 15 | \$2,597,772                    | \$326,853   | \$0     | \$2,924,625   |
| JAN. 16 | \$3,020,563                    | \$341,994   | \$0     | \$3,362,557   |
| FEB. 16 | \$2,439,369                    | \$332,023   | \$0     | \$2,771,392   |
| MAR. 16 | \$2,580,212                    | \$321,601   | \$0     | \$2,901,813   |
| APR. 16 | \$1,454,704                    | \$313,024   | \$0     | \$1,767,728   |
| MAY 16  | \$1,023,793                    | \$311,912   | \$0     | \$1,335,705   |
| JUN. 16 | \$1,267,830                    | \$334,384   | \$0     | \$1,602,194   |
| JUL. 16 | \$1,322,901                    | \$334,416   | \$0     | \$1,657,317   |
| AUG. 16 | \$1,374,733                    | \$331,841   | \$0     | \$1,706,374   |
| SEP. 16 | \$1,340,085                    | \$328,001   | \$0     | \$1,668,086   |
| OCT. 16 | \$2,102,647                    | \$332,826   | \$0     | \$2,435,273   |
| TOTAL   | \$23,080,874                   | \$3,946,312 | \$0     | \$27,027,186  |

\*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<br>TRANSPORTATION<br>COSTS - TEXAS GAS | ACTUAL ANNUAL<br>GAS TRANSPORT.<br>COSTS - TENNESSEE | TOTAL ANNUAL<br>ACTUAL GAS<br>TRANSPORTATION<br>COSTS ("TAAGTC")<br>(1 + 2) |
| NOV. 15 | \$2,514,231  | \$178,425  | \$2,692,656   |
| DEC. 15 | \$2,561,026  | \$167,421  | \$2,728,447   |
| JAN. 16 | \$2,979,583  | \$182,562  | \$3,162,145   |
| FEB. 16 | \$2,402,095  | \$172,591  | \$2,574,686   |
| MAR. 16 | \$2,536,838  | \$162,169  | \$2,699,007   |
| APR. 16 | \$1,408,444  | \$153,592  | \$1,562,036   |
| MAY 16  | \$964,598  | \$152,480  | \$1,117,078   |
| JUN. 16 | \$1,195,697  | \$174,932  | \$1,370,629   |
| JUL. 16 | \$1,248,696  | \$174,984  | \$1,423,680   |
| AUG. 16 | \$1,300,198  | \$172,209  | \$1,472,407   |
| SEP. 16 | \$1,267,953  | \$168,569  | \$1,436,522   |
| OCT. 16 | \$2,028,216  | \$173,194  | \$2,201,410   |
| TOTAL   | \$22,407,575   | \$2,033,128  | \$24,440,703  |

**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><br><u>(1 - 2)</u> |
| NOV. 15 | \$2,894,122    | \$2,692,656   | \$201,466                                  |
| DEC. 15 | \$2,924,625    | \$2,728,447   | \$196,178                                  |
| JAN. 16 | \$3,362,557    | \$3,162,145   | \$200,412                                  |
| FEB. 16 | \$2,771,392    | \$2,574,686   | \$196,706                                  |
| MAR. 16 | \$2,901,813    | \$2,699,007   | \$202,806                                  |
| APR. 16 | \$1,767,728    | \$1,562,036   | \$205,692                                  |
| MAY 16  | \$1,335,705    | \$1,117,078   | \$218,627                                  |
| JUN. 16 | \$1,602,194    | \$1,370,629   | \$231,565                                  |
| JUL. 16 | \$1,657,317    | \$1,423,680   | \$233,637                                  |
| AUG. 16 | \$1,706,374    | \$1,472,407   | \$233,967                                  |
| SEP. 16 | \$1,668,086    | \$1,436,522   | \$231,564                                  |
| OCT. 16 | \$2,435,273    | \$2,201,410   | \$233,863                                  |
| TOTAL   | \$27,027,186   | \$24,440,703  | \$2,586,483                                |

**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**

|              | <b>Base Tariff<br/>Rates</b> |
|--------------|------------------------------|
| 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**

|       | <b>Base Tariff<br/>Rates</b> |
|-------|------------------------------|
| 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  
TEXAS GAS TARIFF SHEETS  
RATE STF**

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

|       | <u>Peak (Winter)-Demand</u>          | <u>Off-Peak (Summer)-Demand</u>      |
|-------|--------------------------------------|--------------------------------------|
|       | <u>Currently Effective Rates [1]</u> | <u>Currently Effective Rates [1]</u> |
| SL-SL | 0.1188                               | 0.0516                               |
| SL-1  | 0.2322                               | 0.1009                               |
| SL-2  | 0.3172                               | 0.1378                               |
| SL-3  | 0.3731                               | 0.1621                               |
| SL-4  | 0.4701                               | 0.2042                               |
| 1-1   | 0.1873                               | 0.0814                               |
| 1-2   | 0.2723                               | 0.1183                               |
| 1-3   | 0.3282                               | 0.1426                               |
| 1-4   | 0.4252                               | 0.1847                               |
| 2-2   | 0.1992                               | 0.0866                               |
| 2-3   | 0.2551                               | 0.1108                               |
| 2-4   | 0.3492                               | 0.1517                               |
| 3-3   | 0.1766                               | 0.0768                               |
| 3-4   | 0.2707                               | 0.1177                               |
| 4-4   | 0.2056                               | 0.0893                               |

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.

Notes:

- The STF commodity rate is the applicable FT commodity rate in Section 4.1.  
 The STF overrun rate equals the daily demand rate plus applicable FT commodity rate.  
 Minimum rate: Demand \$-0- The minimum commodity rate is presented in Section 4.12.

**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                      | \$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  |  |

| Daily Base Reservation Rate 1/ |          | DELIVERY ZONE |          |          |          |          |          |          |  |
|--------------------------------|----------|---------------|----------|----------|----------|----------|----------|----------|--|
| RECEIPT 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/ |           | DELIVERY ZONE |           |           |           |           |           |           |  |
|----------------------------------|-----------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| RECEIPT ZONE                     | 0         | L             | 1         | 2         | 3         | 4         | 5         | 6         |  |
| 0                                | \$5.5609  |               | \$11.5992 | \$15.5956 | \$15.8712 | \$17.4373 | \$18.5077 | \$23.2157 |  |
| L                                |           | \$4.9391      |           |           |           |           |           |           |  |
| 1                                | \$8.3615  |               | \$8.0160  | \$10.6611 | \$15.0943 | \$14.8658 | \$16.7627 | \$20.6076 |  |
| 2                                | \$15.5957 |               | \$10.5972 | \$5.5212  | \$5.1625  | \$6.6001  | \$9.0702  | \$11.7028 |  |
| 3                                | \$15.8712 |               | \$8.3982  | \$5.5656  | \$4.0207  | \$6.1655  | \$11.1347 | \$12.8635 |  |
| 4                                | \$20.1457 |               | \$18.5742 | \$7.0906  | \$10.7654 | \$5.2796  | \$5.7082  | \$8.1463  |  |
| 5                                | \$24.0171 |               | \$16.8823 | \$7.4370  | \$8.9946  | \$5.8630  | \$5.5008  | \$7.1551  |  |
| 6                                | \$27.7801 |               | \$19.3876 | \$13.3494 | \$14.7043 | \$10.3924 | \$5.4766  | \$4.7435  |  |

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 \$0.0198.

RATES PER DEKATHERM

FIRM TRANSPORTATION RATES  
 RATE SCHEDULE FOR FT-A

| Base<br>Reservation Rates | RECEIPT<br>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  |

| Daily Base<br>Reservation Rate 1/ | RECEIPT<br>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<br>Rates 2/, 3/ | RECEIPT<br>ZONE | DELIVERY ZONE |          |           |           |           |           |           |           |
|-------------------------------------|-----------------|---------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                     |                 | 0             | L        | 1         | 2         | 3         | 4         | 5         | 6         |
|                                     | 0               | \$5.5814      |          | \$11.6197 | \$15.6161 | \$15.8917 | \$17.4578 | \$18.5282 | \$23.2362 |
|                                     | L               |               | \$4.9596 |           |           |           |           |           |           |
|                                     | 1               | \$8.3820      |          | \$8.0365  | \$10.6816 | \$15.1148 | \$14.8863 | \$16.7832 | \$20.6281 |
|                                     | 2               | \$15.6162     |          | \$10.6177 | \$5.5417  | \$5.1830  | \$6.6206  | \$9.0907  | \$11.7233 |
|                                     | 3               | \$15.8917     |          | \$8.4187  | \$5.5861  | \$4.0412  | \$6.1860  | \$11.1552 | \$12.8840 |
|                                     | 4               | \$20.1662     |          | \$18.5947 | \$7.1111  | \$10.7859 | \$5.3001  | \$5.7287  | \$8.1668  |
|                                     | 5               | \$24.0376     |          | \$16.9028 | \$7.4575  | \$9.0151  | \$5.8835  | \$5.5213  | \$7.1756  |
|                                     | 6               | \$27.8006     |          | \$19.4081 | \$13.3699 | \$14.7248 | \$10.4129 | \$5.4971  | \$4.7640  |

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 \$0.0403.

RATES PER DEKATHERM

COMMODITY RATES  
 RATE SCHEDULE FOR FT-A

Base  
 Commodity Rates

| RECEIPT<br>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<br>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<br>ZONE | DELIVERY ZONE |          |          |          |          |          |          |          |
|-----------------|---------------|----------|----------|----------|----------|----------|----------|----------|
|                 | 0             | L        | 1        | 2        | 3        | 4        | 5        | 6        |
| 0               | \$0.0039      |          | \$0.0122 | \$0.0184 | \$0.0226 | \$0.2675 | \$0.2553 | \$0.3037 |
| L               |               | \$0.0019 |          |          |          |          |          |          |
| 1               | \$0.0049      |          | \$0.0088 | \$0.0154 | \$0.0186 | \$0.2276 | \$0.2320 | \$0.2648 |
| 2               | \$0.0174      |          | \$0.0094 | \$0.0019 | \$0.0035 | \$0.0741 | \$0.1185 | \$0.1312 |
| 3               | \$0.0214      |          | \$0.0176 | \$0.0033 | \$0.0009 | \$0.0989 | \$0.1365 | \$0.1489 |
| 4               | \$0.0257      |          | \$0.0212 | \$0.0094 | \$0.0112 | \$0.0461 | \$0.0649 | \$0.1048 |
| 5               | \$0.0291      |          | \$0.0263 | \$0.0107 | \$0.0125 | \$0.0646 | \$0.0640 | \$0.0794 |
| 6               | \$0.0353      |          | \$0.0307 | \$0.0150 | \$0.0170 | \$0.0991 | \$0.0540 | \$0.0331 |

Notes:

- 1/ Rates stated above exclude the ACA Surcharge as revised annually and posted on the FERC website at <http://www.ferc.gov> on the Annual Charges page of the Natural Gas section. The ACA Surcharge is incorporated by reference into Transporter's Tariff and shall apply to all transportation under this Rate Schedule as provided in Article XXIV of the General Terms and Conditions.
- 2/ The applicable F&LR's and EPCR's, determined pursuant to Article XXXVII of the General Terms and Conditions, are listed on Sheet No. 32.
- 3/ Includes a per Dth charge for the PS/GHG Surcharge Adjustment per Article XXXVIII of the General Terms and Conditions of \$0.0007.

RATES PER DEKATHERM

COMMODITY RATES  
 RATE SCHEDULE FOR FT-A

Base  
 Commodity Rates

| RECEIPT<br>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<br>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<br>ZONE | DELIVERY ZONE |          |          |          |          |          |          |          |  |
|-----------------|---------------|----------|----------|----------|----------|----------|----------|----------|--|
|                 | 0             | L        | 1        | 2        | 3        | 4        | 5        | 6        |  |
| 0               | \$0.0047      |          | \$0.0130 | \$0.0192 | \$0.0234 | \$0.2683 | \$0.2561 | \$0.3045 |  |
| L               |               | \$0.0027 |          |          |          |          |          |          |  |
| 1               | \$0.0057      |          | \$0.0096 | \$0.0162 | \$0.0194 | \$0.2284 | \$0.2328 | \$0.2656 |  |
| 2               | \$0.0182      |          | \$0.0102 | \$0.0027 | \$0.0043 | \$0.0749 | \$0.1193 | \$0.1320 |  |
| 3               | \$0.0222      |          | \$0.0184 | \$0.0041 | \$0.0017 | \$0.0997 | \$0.1373 | \$0.1497 |  |
| 4               | \$0.0265      |          | \$0.0220 | \$0.0102 | \$0.0120 | \$0.0469 | \$0.0657 | \$0.1056 |  |
| 5               | \$0.0299      |          | \$0.0271 | \$0.0115 | \$0.0133 | \$0.0654 | \$0.0648 | \$0.0802 |  |
| 6               | \$0.0361      |          | \$0.0315 | \$0.0158 | \$0.0178 | \$0.0999 | \$0.0548 | \$0.0339 |  |

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 \$0.0015.

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.

FUEL AND EPCR

| F&LR 1/, 2/, 3/, 4/<br>----- | RECEIPT<br>ZONE | DELIVERY ZONE |       |       |       |       |       |       |       |
|------------------------------|-----------------|---------------|-------|-------|-------|-------|-------|-------|-------|
|                              |                 | 0             | L     | 1     | 2     | 3     | 4     | 5     | 6     |
|                              | 0               | 0.48%         |       | 1.05% | 1.46% | 1.75% | 2.05% | 2.29% | 2.68% |
|                              | L               |               | 0.35% |       |       |       |       |       |       |
|                              | 1               | 0.55%         |       | 0.82% | 1.26% | 1.48% | 1.77% | 2.09% | 2.36% |
|                              | 2               | 1.46%         |       | 0.86% | 0.34% | 0.46% | 0.67% | 0.99% | 1.26% |
|                              | 3               | 1.75%         |       | 1.48% | 0.46% | 0.28% | 0.85% | 1.12% | 1.41% |
|                              | 4               | 2.05%         |       | 1.65% | 0.86% | 0.98% | 0.47% | 0.60% | 0.88% |
|                              | 5               | 2.33%         |       | 2.09% | 0.99% | 1.13% | 0.60% | 0.59% | 0.70% |
|                              | 6               | 2.74%         |       | 2.36% | 1.26% | 1.41% | 0.84% | 0.52% | 0.37% |

| EPCR 3/, 4/<br>----- | RECEIPT<br>ZONE | DELIVERY ZONE |          |          |          |          |          |          |          |
|----------------------|-----------------|---------------|----------|----------|----------|----------|----------|----------|----------|
|                      |                 | 0             | L        | 1        | 2        | 3        | 4        | 5        | 6        |
|                      | 0               | \$0.0049      |          | \$0.0189 | \$0.0292 | \$0.0363 | \$0.0439 | \$0.0499 | \$0.0599 |
|                      | L               |               | \$0.0016 |          |          |          |          |          |          |
|                      | 1               | \$0.0066      |          | \$0.0132 | \$0.0242 | \$0.0296 | \$0.0368 | \$0.0451 | \$0.0518 |
|                      | 2               | \$0.0292      |          | \$0.0142 | \$0.0015 | \$0.0043 | \$0.0095 | \$0.0174 | \$0.0238 |
|                      | 3               | \$0.0363      |          | \$0.0296 | \$0.0043 | \$0.0000 | \$0.0139 | \$0.0206 | \$0.0275 |
|                      | 4               | \$0.0439      |          | \$0.0340 | \$0.0141 | \$0.0172 | \$0.0045 | \$0.0079 | \$0.0148 |
|                      | 5               | \$0.0499      |          | \$0.0451 | \$0.0174 | \$0.0206 | \$0.0078 | \$0.0077 | \$0.0103 |
|                      | 6               | \$0.0599      |          | \$0.0518 | \$0.0238 | \$0.0275 | \$0.0138 | \$0.0058 | \$0.0021 |

- 1/ Included in the above F&LR is the Losses component of the F&LR equal to 0.26%.
- 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 0.26%.
- 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, 2015**

FEDERAL ENERGY REGULATORY COMMISSION  
WASHINGTON, D.C. 20426

FY 2015 GAS ANNUAL CHARGES  
CORRECTION FOR ANNUAL CHARGES UNIT CHARGE  
June 25, 2015

The annual charges unit charge (ACA) to be applied to in fiscal year 2016 for recovery of FY 2015 Current year and 2014 True-Up is **\$0.0014** per Dekatherm (Dth). The new ACA surcharge will become effective October 1, 2015.

The following calculations were used to determine the FY 2015 unit charge:

**2015 CURRENT:**

Estimated Program Cost \$61,912,000 divided by 44,605,342,976 Dth = 0.0013879952

**2014 TRUE-UP:**

Debit/Credit Cost (\$643,382) divided by 42,469,337,988 Dth = (0.0000151493)

**TOTAL UNIT CHARGE** = 0.0013728458

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

**PUBLIC**



**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](mailto: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<br>SALES REVENUE<br>("OSREV") | OUT OF POCKET COSTS ("OOPC") |                           |                         |                | TOTAL<br>OOPC | NET<br>REVENUE ("NR")<br>(1 - 6) |
|         |  | GAS<br>COSTS ("GC")          | TRANSPORT<br>COSTS ("TC") | STORAGE<br>COSTS ("SC") | OTHER<br>COSTS |               |                                  |
| NOV. 15 | \$0                                      | \$0                          | \$0                       | \$0                     | \$0            | \$0           | \$0                              |
| DEC. 15 | \$0                                      | \$0                          | \$0                       | \$0                     | \$0            | \$0           | \$0                              |
| JAN. 16 | \$0                                      | \$0                          | \$0                       | \$0                     | \$0            | \$0           | \$0                              |
| FEB. 16 | \$0                                      | \$0                          | \$0                       | \$0                     | \$0            | \$0           | \$0                              |
| MAR. 16 | \$0                                      | \$0                          | \$0                       | \$0                     | \$0            | \$0           | \$0                              |
| APR. 16 | \$0                                      | \$0                          | \$0                       | \$0                     | \$0            | \$0           | \$0                              |
| MAY 16  | \$0                                      | \$0                          | \$0                       | \$0                     | \$0            | \$0           | \$0                              |
| JUN. 16 | \$0                                      | \$0                          | \$0                       | \$0                     | \$0            | \$0           | \$0                              |
| JUL. 16 | \$0                                      | \$0                          | \$0                       | \$0                     | \$0            | \$0           | \$0                              |
| AUG. 16 | \$0                                      | \$0                          | \$0                       | \$0                     | \$0            | \$0           | \$0                              |
| SEP. 16 | \$183,900                                | \$165,600                    | \$0                       | \$0                     | \$0            | \$165,600     | \$18,300                         |
| OCT. 16 | \$0                                      | \$0                          | \$0                       | \$0                     | \$0            | \$0           | \$0                              |
| TOTALS  | \$183,900                                | \$165,600                    | \$0                       | \$0                     | \$0            | \$165,600     | \$18,300                         |

**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>Demand</u>                      | <u>Commodity</u> |                               |                     | <u>(Col. 3 / 6)</u> |
| Gas Acquisition Index Factor                                      |           |                    |                                    |                  | Actual Gas Costs              |                     |                     |
| GAIF  |           |                    |                                    |                  |                               |                     |                     |
|   | Demand    | \$0                | 0.00%                              |                  |                               |                     |                     |
|   | Commodity | <u>\$1,247,474</u> |                                    | 32.38%           |                               |                     |                     |
|   | Total     | \$1,247,474        |                                    |                  | AGC                           | \$72,317,573        |                     |
| Transportation Index Factor                                       |           |                    |                                    |                  | Actual Transportation Costs   |                     |                     |
| TIF   |           |                    |                                    |                  |                               |                     |                     |
|   | Demand    | \$2,409,158        | 62.54%                             |                  |                               |                     |                     |
|   | Commodity | <u>\$177,325</u>   |                                    | 4.60%            |                               |                     |                     |
|   | Total     | \$2,586,483        |                                    |                  | TAAGTC                        | \$24,440,703        |                     |
| Off-System Sales Index Factor                                     |           |                    |                                    |                  |                               |                     |                     |
| OSSIF   |           |                    |                                    |                  |                               |                     |                     |
|   | Demand    | \$0                |                                    |                  |                               |                     |                     |
|   | Commodity | <u>\$18,300</u>    |                                    | 0.48%            |                               |                     |                     |
|   | Total     | \$18,300           |                                    |                  |                               |                     |                     |
| Total All PBR Factors   |           |                    |                                    |                  | Total Actual Gas Supply Costs |                     |                     |
|   | Demand    | \$2,409,158        |                                    |                  |                               |                     |                     |
|   | Commodity | <u>\$1,443,099</u> |                                    |                  |                               |                     |                     |
| TPBRR   |           | <u>\$3,852,257</u> | <u>62.54%</u>                      | <u>37.46%</u>    | TAGSC                         | <u>\$96,758,276</u> | 3.98%               |

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

|  | Total<br>PBR Results<br>(TPBRR) | Company<br>Sharing<br>Company | Customer<br>Sharing<br>Percentage | Customer<br>Portion | Company<br>Portion | Total              |
|--|---------------------------------|-------------------------------|-----------------------------------|---------------------|--------------------|--------------------|
| 25/75 Company/Customer Sharing<br>Up to 3.0% of TAGSC        | \$2,902,748                     | 25%                           | 75%                               | \$2,177,061         | \$725,687          | \$2,902,748        |
| 50/50 Company/Customer Sharing<br>in Excess of 3.0% of TAGSC | \$949,509                       | 50%                           | 50%                               | \$474,755           | \$474,754          | \$949,509          |
|  | <u>\$3,852,257</u>              |                               |                                   | <u>\$2,651,816</u>  | <u>\$1,200,441</u> | <u>\$3,852,257</u> |
| Portion of Company Savings Attributable to Demand Costs      |                                 | 62.54%                        |                                   |                     | \$750,756          |                    |
| Portion of Company Savings Attributable to Commodity Costs   |                                 | <u>37.46%</u>                 |                                   |                     | \$449,685          |                    |
| Total Company Portion of Savings                             |                                 | <u>100.00%</u>                |                                   | CSPBR               | <u>\$1,200,441</u> |                    |