a PPL company

Jeff DeRouen, Executive Director
Public Service Commission of Kentucky
211 Sower Boulevard
P.O. Box 615

Frankfort, Kentucky 40601

September 28, 2012

Re: Performance Based Ratemaking ("PBR" Case No. 2001-00017)

Dear Mr. DeRouen:
As directed in the Commission's Order in the above-cited case dated October 26, 2001, and reaffirmed in its Orders dated May 27, 2005, in Case No. 200500031 and April 30, 2010, in Case No. 2009-00550, Louisville Gas and Electric Company ("LG\&E") encloses herewith an original and four copies of the PBR quarterly activity report. This report is a summary of LG\&E's activity under the PBR mechanism for the period beginning November 1, 2011 and ending April 30, 2012, and includes data and supporting documentation for the entirety of PBR Year 15 (November 1, 2011 through October 31, 2012).

The report includes the following:

1. The non-labor related $\mathrm{O} \& M$ costs incurred to implement the PBR mechanisms,
2. The results of LG\&E's activity under the PBR.

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

Sincerely,


Enclosures
$1 \mid 1$

## Activity Under LG\&E's Performance-Based Ratemaking ("PBR") Mechanism for May, June, and July 2012

Attached is a summary of LG\&E's activity under the PBR mechanism for May, June, and July 2012 of PBR Year 15 (November 1, 2011, through October 31, 2012) of LG\&E's gas supply cost PBR mechanism. In accordance with the Order in Case No. 2009-00550 dated April 30, 2010, LG\&E is making this quarterly filing.

In each of these quarterly reports, LG\&E is supplying the Public Service Commission ("Commission") with information which is pertinent to the particular quarter. Also enclosed is the supporting documentation related to the PBR calculations.

## General Discussion:

The results for this quarter cannot and should not be extrapolated for the remainder of the 2011/2012 PBR period. Savings or expenses may occur under the PBR in later months which may offset the expenses or savings experienced to date.

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 month as reported in LG\&E's Gas Supply Clause ("GSC"). 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 are applicable. As billing or volumetric adjustments occur, the results set forth herein may be modified. If they occur at all, these adjustments are not expected to be significant.

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

Purchasing Practices and Strategy: LG\&E has sought to generate savings under the $P B R$ 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 capacityconstrained points at which points natural gas is typically priced at less than the referenced indices, (3) maximizing the use of $L G \& E$ '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, and (4) taking actions in order to mitigate expenses under the HRF component of the GAIF. LG\&E has not used any financial instruments to date in pursuing its objectives under the PBR mechanism.

One of the indices used to benchmark gas costs under this portion of the gas supply cost PBR mechanism failed to post for February 2012. Specifically, "Platts Inside FERC's Gas Market Report first-of-the-month posting for Texas Gas Zone SL" did not post an index price for that month. Instead, LG\&E used the first-of-the-month posted price from the same publication for Texas Gas Zone 1. LG\&E believes that this substitution is both reasonable and conservative as the price postings for Texas Gas Zone 1 tend to be lower than Texas Gas Zone SL. In short, the temporary substitution tends to understate any savings that may occur under the mechanism by lowering the overall benchmark.

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.

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

Off-System Sales Activity: LG\&E made off-system sales during the PBR period when the opportunity arose to generate savings, and LG\&E had natural gas under contract and available for sale. These off-system sales were made to entities which are not affiliated with LG\&E.

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 9 months ended July 31, 2012, LG\&E has achieved the following results:

|  | PBR-GAIF | PRR-TIF | PBR-OSSIF | Total |
| :---: | :---: | :---: | :---: | :---: |
| Nov. 2011 | \$389,638 | \$486,705 | \$0 | \$876,343 |
| Dec. | \$740,702 | \$491,849 | \$0 | \$1,232,551 |
| Jan. 2012 | \$709,913 | \$492,678 | \$0 | \$1,202,591 |
| Qtr. Subtotal | \$1,840,253 | \$1,471,232 | 80 | \$3,311,485 |
| Feb. | \$572,358 | 8483,683 | \$0 | \$1,056,041 |
| Mar. | \$405,132 | \$482,443 | \$0 | \$887,575 |
| Apr. | \$119,633 | \$504,697 | 80 | \$624,330 |
| Qtr. Subtotal | \$1,097,123 | \$1,470,823 | 80 | \$2,567,946 |
| May | \$473,974 | \$520,094 | \$0 | \$994,068 |
| Jun. | \$174,771 | \$504,297 | \$0 | \$679,068 |
| Jul. | \$286,523 | 8524,499 | \$0 | \$811,022 |
| Qtr. Subtotal | \$935,268 | \$1,548,890 | \$0 | \$2,484,158 |
| Total | \$3,872,644 | \$4,490,945 | \$0 | \$8,363,589 |

The supporting calculations are enclosed with this filing.
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 on a quarterly basis 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 quarterly report for activity under the PBR mechanism.

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# PBR CALCULATIONS FOR THE 9 MONTHS ENDED JULY 31, 2012 

## PBR-GAIF SUPPORTING CALCULATIONS

## PBR-GAIF <br> CALCULATION OF BENCHMARK GAS COSTS ("BGC")



# PBR-GAIF <br> CALCULATION OF ACTUAL GAS COSTS <br> ("AGC") 

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COST OF GAS
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## PBR-GAIF <br> CALCULATION OF SAVINGS AND/OR EXPENSES

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## PBR-GAIF <br> INDICES

## PBR-GAIF INDICES <br> TEXAS GAS - ZONE SL

Nov. 11
Dec. 11
Jan. 12
Feb. 12
Mar. 12
Apr. 12
May 12
Jun. 12
Jul. 12
Aug. 12
Sep. 12
Oct. 12 $\begin{array}{rc}\text { NATURAL } & \text { PLATTS } \\ \text { GAS WEEK } & \text { GAS DAILY } \\ \text { GULF COAST } & \text { AVG. TGT } \\ \text { ONSHORE-LA } & \text { ZONE SL }\end{array}$
AVERAGE
$\$ 3.2997$
$\$ 3.2512$
$\$ 2.8020$
$\$ 2.5495$
$\$ 2.2370$
$\$ 2.0003$
$\$ 2.2583$
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$\$ 2.4025$



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TOTAL
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| 2 | \＄ | 3.3200 | \＄ | 3.3500 | \＄ | 3.3350 |
| 3 | \＄ | 3.3200 | \＄ | 3.3800 | \＄ | 3.3500 |
| 4 | \＄ | 3.3300 | \＄ | 3.3900 | \＄ | 3.3600 |
| 5 |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |
| 7 | \＄ | 3.3900 | \＄ | 3.3900 | \＄ | 3.3900 |
| 8 |  | No Posting For This Day |  |  |  |  |
| 9 | \＄ | 3.4200 | \＄ | 3.4600 | \＄ | 3.4400 |
| 10 | \＄ | 3.4900 | $\$$ | 3.5100 | \＄ | 3.5000 |
| 11 | \＄ | 3.4000 | \＄ | 3.4100 | \＄ | 3.4050 |
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| 14 | \＄ | 3.2100 | \＄ | 3.2400 | \＄ | 3.2250 |
| 15 | \＄ | 3.0500 | \＄ | 3.0600 | \＄ | 3.0550 |
| 16 | \＄ | 3.0700 | \＄ | 3.0900 | \＄ | 3.0800 |
| 17 | \＄ | 3.0900 | \＄ | 3.1000 | \＄ | 3.0950 |
| 18 | \＄ | 3.0900 | \＄ | 3.1200 | \＄ | 3.1050 |
| 19 |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |
| 21 | \＄ | 3.0200 | \＄ | 3.0500 | \＄ | 3.0350 |
| 22 | \＄ | 2.9400 | \＄ | 2.9600 | \＄ | 2.9500 |
| 23 | \＄ | 3.0400 | \＄ | 3.0700 | \＄ | 3.0550 |
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| 28 | \＄ | 2.6700 | \＄ | 2.8000 | \＄ | 2.7350 |
| 29 | \＄ | 3.0700 | $\$$ | 3.1000 | \＄ | 3.0850 |
| 30 | \＄ | 3.3900 | $\$$ | 3.4800 | \＄ | 3.4350 |



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| DAY |  | LOW |  | HIGH |  | AVERAGE |
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| 2 | \＄ | 1.8800 | \＄ | 1.9300 | \＄ | 1.9050 |
| 3 | \＄ | 1.8100 | \＄ | 1.8800 | \＄ | 1.8450 |
| 4 | \＄ | 1.9500 | \＄ | 1.9800 | \＄ | 1.9650 |
| 5 | \＄ | 2.0400 | \＄ | 2.0600 | \＄ | 2.0500 |
| 6 |  |  |  |  |  |  |
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| 9 | \＄ | 1.9900 | \＄ | 2.0000 | \＄ | 1.9950 |
| 10 | \＄ | 1.9300 | \＄ | 1.9700 | \＄ | 1.9500 |
| 11 | \＄ | 1.9300 | \＄ | 1.9400 | \＄ | 1.9350 |
| 12 | \＄ | 1.8700 | \＄ | 1.9000 | \＄ | 1.8850 |
| 13 | \＄ | 1.8600 | \＄ | 1.8700 | \＄ | 1.8650 |
| 14 |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |
| 16 | \＄ | 1.8300 | \＄ | 1.8500 | \＄ | 1.8400 |
| 17 | \＄ | 1.8700 | \＄ | 1.8800 | \＄ | 1.8750 |
| 18 | \＄ | 1.8500 | \＄ | 1.8800 | \＄ | 1.8650 |
| 19 | \＄ | 1.8500 | \＄ | 1.8600 | \＄ | 1.8550 |
| 20 | \＄ | 1.8300 | \＄ | 1.8300 | \＄ | 1.8300 |
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| 23 | \＄ | 1.7900 | \＄ | 1.8100 | \＄ | 1.8000 |
| 24 | \＄ | 1.8700 | \＄ | 1.8800 | \＄ | 1.8750 |
| 25 | \＄ | 1.9600 | \＄ | 1.9700 | \＄ | 1.9650 |
| 26 | \＄ | 1.9700 | \＄ | 1.9800 | \＄ | 1.9750 |
| 27 | \＄ | 2.0600 | \＄ | 2.0800 | \＄ | 2.0700 |
| 28 |  |  |  |  |  |  |
| 29 |  |  |  |  |  |  |
| 30 | \＄ | 2.0300 | \＄ | 2.0400 | \＄ | 2.0350 |
| TOTAL | \＄ | 38.1700 | \＄ | 38.5900 | \＄ | 38.3800 |
| POSTINGS |  | 20 |  | 20 |  | 20 |
| AVERAGE | \＄ | 1.9085 | \＄ | 1.9295 | \＄ | 1.9190 |

CALCULATION OF AVERAGE PRICES REPORTED IN PLATTS GAS DAILY

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## PBR-GAIF

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TEXAS GAS - ZONE 1




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 NATURALGAS WEEK
LOUISIANA
NORTH



CALCULATION OF AVERAGE NATURAL GAS WEEK PRICE BY MONTH

| NATURAL |  |
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| GAS WEEK |  |
| LOUISIANA | MONTHLY |
| NORTH | AVERAGE |


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| 0 | $\$ 2.2200$

$\$ 2.2900$
$\$ 2.4400$
$\$ 2.5400$


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$09 / 17 / 2012$
$09 / 24 / 2012$ $10 / 01 / 2012$
$10 / 08 / 2012$
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## DECEMBER 2011 DAY | TEXAS GAS ZONE 1 |
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| LOW $\mid \quad$ HIGH $\mid$ AVERAGE |

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| DAY |  | LOW |  | HIGH｜ |  | AVERAGE |
| 1 |  |  |  |  |  |  |
| 2 | \＄ | 1.9200 | \＄ | 1.9500 | \＄ | 1.9350 |
| 3 | \＄ | 1.8100 | \＄ | 1.8700 | \＄ | 1.8400 |
| 4 | \＄ | 1.9600 | \＄ | 2.0100 | \＄ | 1.9850 |
| 5 | \＄ | 2.0500 | \＄ | 2.0600 | \＄ | 2.0550 |
| 6 |  |  |  |  |  |  |
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| 8 |  |  |  |  |  |  |
| 9 | \＄ | 1.9700 | \＄ | 2.0000 | \＄ | 1.9850 |
| 10 | \＄ | 1.9300 | \＄ | 1.9900 | \＄ | 1.9600 |
| 11 | \＄ | 1.9200 | \＄ | 1.9300 | \＄ | 1.9250 |
| 12 | \＄ | 1.8600 | \＄ | 1.8900 | \＄ | 1.8750 |
| 13 | \＄ | 1.8400 | \＄ | 1.8700 | \＄ | 1.8550 |
| 14 |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |
| 16 | \＄ | 1.8400 | \＄ | 1.8600 | \＄ | 1.8500 |
| 17 | \＄ | 1.8600 | \＄ | 1.8800 | ＋ | 1.8700 |
| 18 | \＄ | 1.8600 | \＄ | 1.8800 | \＄ | 1.8700 |
| 19 |  | 1.8500 | \＄ | 1.8600 | \＄ | 1.8550 |
| 20 | \＄ | 1.8100 | \＄ | 1.8400 | \＄ | 1.8250 |
| 21 |  |  |  |  |  |  |
| 22 |  |  |  |  |  |  |
| 23 | \＄ | 1.7500 | \＄ | 1.7800 | \＄ | 1.7650 |
| 24 | \＄ | 1.8600 | \＄ | 1.8800 | \＄ | 1.8700 |
| 25 | \＄ | 1.9600 | \＄ | 1.9800 | \＄ | 1.9700 |
| 26 | \＄ | 1.9600 | \＄ | 1.9800 | \＄ | 1.9700 |
| 27 | \＄ | 2.0600 | \＄ | 2.0800 | \＄ | 2.0700 |
| 28 |  |  |  |  |  |  |
| 29 |  |  |  |  |  |  |
| 30 | \＄ | 2.0000 | \＄ | 2.0400 | \＄ | 2.0200 |
| TOTAL | \＄ | 38.0700 | \＄ | 38.6300 | \＄ | 38.3500 |
| POSTINGS |  | 20 |  | 20 |  | 20 |
| AVERAGE | \＄ | 1.9035 | \＄ | 1.9315 | \＄ | 1.9175 |

CALCULATION OF AVERAGE PRICES REPORTED IN PLATTS GAS DAILY
FOR TEXAS GAS ZONE 1



|  |  |  |  |  |  | $\begin{aligned} & 88 \\ & 08 \\ & 0 \\ & 0 \\ & \text { No } \\ & \text { N N } \end{aligned}$ | $\begin{aligned} & \text { o } \\ & \frac{0}{\infty} \\ & \text { on } \\ & \dot{q} \end{aligned}$ | 삿 | ¢ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ㅍ |  | ↔けせけめ | かめめせめ |  | $\leftrightarrow \leftrightarrow \leftrightarrow$ | $\cdots$ |  | $\leftrightarrow$ |
|  |  | $\begin{aligned} & 880 \\ & \text { o8 } \\ & \text { N N } \\ & \text { iN N } \end{aligned}$ |  |  |  |  | $\begin{aligned} & 8 \\ & \hline 8 \\ & 0 \\ & 8 \end{aligned}$ | 만 | O <br> 0 <br> 0 <br> $\sim$ |
|  | $\stackrel{0}{5}$ |  |  | めめめめめ |  |  | $\leftrightarrow$ |  | $\leftrightarrow$ |
|  | $\stackrel{\times}{\stackrel{1}{\bullet}} \underset{\substack{3 \\ 0 \\ \hline}}{ }$ | $\begin{aligned} & 880 \\ & \text { B } 80 \\ & \text { N N } \\ & \text { N NiN } \end{aligned}$ |  |  | $\begin{aligned} & 8888 \\ & 0808 \\ & \text { N } 60 \\ & \text { NN N } \end{aligned}$ | $\begin{aligned} & \text { BOB } \\ & \text { in } \\ & \text { No } \\ & \text { iN } \\ & \text { in } \end{aligned}$ | $\begin{aligned} & \stackrel{8}{8} \\ & \stackrel{0}{\dot{\gamma}} \\ & \dot{\alpha} \end{aligned}$ | N | $\stackrel{\infty}{\infty}$ |
|  |  | ↔めゃ | めめめめめ |  |  |  | $\leftrightarrow$ |  | $\oplus$ |
|  | $\underset{\Delta}{\pi}$ |  |  |  |  |  | $\frac{1}{\sqrt{5}}$ | 0 0 $\vdots$ 5 0 0 |  |

CALCULATION OF AVERAGE PRICES REPORTED IN PLATTS GAS DAILY

|  |  | $\begin{aligned} & \text { Bo } \\ & \stackrel{\circ}{\circ} \\ & \stackrel{\circ}{\circ} \\ & \text { N } \end{aligned}$ |  | $\begin{aligned} & \text { 员员员员 } \\ & \text { óN } \\ & \text { vNNN } \end{aligned}$ |  |  |  | 8 8 8 8 0 | $\bar{\sim}$ | \％ \％ N |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ш | $\leftrightarrow め$ | $\omega \rightarrow$ | ¢ ¢ ¢ ¢ ¢ |  |  | $\leftrightarrow$ | A |  | $\oplus$ |
| $\begin{aligned} & \stackrel{N}{N} \\ & \underset{\sim}{\lambda} \\ & \vdots \end{aligned}$ |  | $\begin{aligned} & 88 \\ & \text { N } \\ & \text { N } \\ & \hline \end{aligned}$ |  |  |  | 응믕믄윽 <br> लぁмゥм | 8 <br> 8 <br> ले | 8 <br> 8 <br> 8 <br> 8 | $\stackrel{\text { N}}{ }$ | M O N |
|  | $\stackrel{0}{8}$ | $\leftrightarrow \leftrightarrow$ | $\leftrightarrow$ |  |  | ↔めのゃめ | $\leftrightarrow \leftrightarrow$ | $\leftrightarrow$ |  | $\oplus$ |
|  | $\underset{\sim}{\underset{\sim}{x}} \underset{\substack{3 \\ \hline}}{ }$ |  | $\begin{aligned} & 8.8 \\ & \underset{N}{\infty} \\ & \text { Nion } \end{aligned}$ |  |  | 88888 용ㅇㅇㅇ <br>  | $\begin{aligned} & 80 . \\ & \text { 夺弟 } \\ & \dot{m} \end{aligned}$ | － | $\stackrel{\text { 「 }}{ }$ | 「ö $\sim$ $\sim$ $N$ |
|  |  | $\leftrightarrow め$ | $\leftrightarrow \leftrightarrow$ |  |  | ヵめの日の | $\theta \Leftrightarrow$ | $\leftrightarrow$ |  | $\leftrightarrow$ |
|  | $\frac{\pi}{\square}$ |  |  |  |  |  |  | $\underset{\leftarrow}{\frac{1}{5}}$ | 0 0 $\sum$ $\vdots$ 0 0 |  |


| JUNE 2012 |
| :---: |
| DEXAS GAS ZONE 1 |
| LOW $\quad$ HIGH AVERAGE |


| B N Ṅ |  |  |  |  | O N in | N |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\oplus$ |  |  |  |  | $\leftrightarrow$ |  |
| $\stackrel{8}{8}$ $\underset{N}{\mathrm{~N}}$ |  |  |  |  | ¢ ¢ ¢ | $\bar{\sim}$ |
| $\oplus$ | めめめめの |  |  |  | $\leftrightarrow$ |  |
| $\begin{aligned} & 8 \\ & \underset{N}{N} \\ & \text { in } \end{aligned}$ |  |  |  |  |  | $\bar{\sim}$ |
| $\oplus$ |  | あめめめの |  | カヵめめの | ${ }_{6}$ |  |
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## PBR-GAIF <br> INDICES <br> TEXAS GAS - ZONE 4





$\underset{\sim}{\leftarrow} \simeq \subseteq \subseteq N T N T N T$

CALCULATION OF AVERAGE NATURAL GAS WEEK PRICE BY MONTH

|  | NATURAL GAS WEEK <br> LEBANON HUB | MONTHLY AVERAGE |
| :---: | :---: | :---: |
| 05/07/2012 | \$2.3000 |  |
| 05/14/2012 | \$2.3600 |  |
| 05/21/2012 | \$2.5100 |  |
| 05/28/2012 | \$2.6000 | \$2.4425 |
| 06/04/2012 | \$2.4200 |  |
| 06/11/2012 | \$2.3400 |  |
| 06/18/2012 | \$2.3200 |  |
| 06/25/2012 | \$2.5500 | \$2.4075 |
| 07/02/2012 | \$2.8300 |  |
| 07/09/2012 | \$2.9100 |  |
| 07/16/2012 | \$2.8900 |  |
| 07/23/2012 | \$2.9700 |  |
| 07/30/2012 | \$3.1300 | \$2.9460 |
| 08/06/2012 | \$0.0000 |  |
| 08/13/2012 | \$0.0000 |  |
| 08/20/2012 | \$0.0000 |  |
| 08/27/2012 | \$0.0000 | \$0.0000 |
| 09/03/2012 | \$0.0000 |  |
| 09/10/2012 | \$0.0000 |  |
| 09/17/2012 | \$0.0000 |  |
| 09/24/2012 | \$0.0000 | \$0.0000 |
| 10/01/2012 | \$0.0000 |  |
| 10/08/2012 | \$0.0000 |  |
| 10/15/2012 | \$0.0000 |  |
| 10/22/2012 | \$0.0000 |  |
| 10/29/2012 | \$0.0000 | \$0.0000 |


| $898 \varepsilon^{\prime} \mathcal{L}$ | \＄ | $981 \nabla ¢$ | \＄ | $0 G \subseteq \varepsilon^{\prime} \varepsilon$ | \＄ | $\exists \bigcirc \forall 8 \exists \wedge \forall$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $0 Z$ |  | 07 |  | 02 |  | SONLISOd |
| OGEL29 | \＄ | 00LE89 | \＄ | 000129 | \＄ | $7 \forall 101$ |
| OS6 $\nabla^{\prime}$ ¢ | \＄ | $0069 \%$ | \＄ | $000 t \varepsilon$ | \＄ | $0 \varepsilon$ |
| 000 ${ }^{\circ} \mathrm{E}$ | \＄ | 00¢ $¢$ | \＄ | 00L1过 | \＄ | 62 |
| 0068 ${ }^{\text {² }}$ | \＄ | $00 Z 0$ ¢ | \＄ | 009L ${ }^{\text {c }}$ | \＄ | 82 |
|  |  |  |  |  |  | $\angle 乙$ |
|  |  |  |  |  |  | 92 |
|  |  |  |  |  |  | GZ |
|  |  |  |  |  |  | $\downarrow 乙$ |
| $0007 \varepsilon$ | \＄ | 009乙＇${ }^{\text {c }}$ | \＄ | $0091 \cdot \varepsilon$ | \＄ | $\varepsilon 乙$ |
| 0060 ¢ | \＄ | 0001＇$¢$ | \＄ | 0080 ${ }^{\circ}$ | \＄ | てZ |
| O9Ll $\mathcal{L}$ | \＄ | $000 \chi^{\circ} \varepsilon$ | \＄ | 0091．$¢$ | \＄ | LZ |
|  |  |  |  |  |  | 02 |
|  |  |  |  |  |  | 61 |
| OGLE＇ | \＄ | $008 \varepsilon \cdot$ | \＄ | $000 \varepsilon^{\circ} \varepsilon$ | \＄ | 81 |
| $001 \varepsilon$ ¢ | \＄ | $008 \varepsilon \cdot \varepsilon$ | \＄ | $006 \chi^{\circ} \varepsilon$ | \＄ | 41 |
| 009て＇ $\mathcal{L}$ | \＄ | 0087 ¢ | \＄ | $00 \downarrow$ ¢ $\mathcal{L}$ | \＄ | 91 |
| $009 乙 \subset$ | \＄ | 0062＇ $\mathcal{L}$ | \＄ | $00 \varepsilon 乙$ ¢ | \＄ | Gl |
| $0098 \cdot \mathcal{L}$ | \＄ | $006 \varepsilon^{\prime} \varepsilon$ | \＄ | $00 \varepsilon \varepsilon^{\circ} \mathrm{\varepsilon}$ | \＄ | ャレ |
|  |  |  |  |  |  | \＆1 |
|  |  |  |  |  |  | てし |
| $0909 \%$ | \＄ | $0029^{\circ} \varepsilon$ | \＄ | $0069^{\circ} \varepsilon$ | \＄ | 1. |
| $0089^{\circ} \mathrm{E}$ | \＄ | $0069{ }^{\circ} \mathrm{E}$ | \＄ | $00 \angle 9^{\circ} \varepsilon$ | \＄ | 01 |
| $0969^{\circ} \mathrm{E}$ | \＄ | $0019{ }^{\circ}$ | \＄ | $0089^{\circ} \mathrm{E}$ | \＄ | 6 |
| 0909 ${ }^{\circ}$ | \＄ | 0029 ${ }^{\circ}$ | \＄ | 0067＊$\varepsilon$ | \＄ | 8 |
| 0scs $\mathcal{L}$ | \＄ | $0089^{\circ} \varepsilon$ | \＄ | $00 \varepsilon \mathcal{S}^{\circ} \mathrm{E}$ | \＄ | $L$ |
|  |  |  |  |  |  | 9 |
|  |  |  |  |  |  | 9 |
| $00 \angle 9 \varepsilon$ | \＄ | $0019{ }^{\circ} \mathrm{E}$ | \＄ | $0089^{\circ} \varepsilon$ | \＄ | $\nabla$ |
| 0967＊ | \＄ | $0029^{\circ} \varepsilon$ | \＄ | 00 $\downarrow$＊$\varepsilon$ | \＄ | $\varepsilon$ |
| 0967 ¢ | \＄ | 00198 | \＄ | 0087 $\mathcal{L}$ | \＄ | 乙 |
| $0089{ }^{\circ}$ | \＄ | $000<\cdot \varepsilon$ | \＄ | $0099^{\circ} \varepsilon$ | \＄ | 1 |
| Э๑V8ヨへ $\forall$ |  | HOIH |  | 1M07 |  | 人 $\forall \mathrm{O}$ |
| gกH NON甘gヨา SVO SVXヨI |  |  |  |  |  |  |



| $\begin{aligned} & 08 \\ & 8 \\ & 0 \\ & 0 \\ & \text { M } \end{aligned}$ |  |  | 8 응ㅇ © 0 м м м м ๗ |  | 8 <br> 8 <br> 8 <br> 0 <br> 0 <br> 0 | N |
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| $\begin{aligned} & 88 \\ & 8.8 \\ & \text { m } 0 \\ & \text { m } \end{aligned}$ | 8.88 <br> 8 |  | 88888 <br> NNNN <br> ゥ ゥ ゥ ゥ ゥ |  | ¢ <br> $\stackrel{8}{\circ}$ <br> 0 <br> 0 <br> 0 | $\stackrel{N}{N}$ |
| $\leftrightarrow$ |  | めめ | $\leftrightarrow \leftrightarrow \leftrightarrow \leftrightarrow め$ | $\leftrightarrow め \rightarrow$ ¢ | $\oplus$ |  |
| $\begin{aligned} & 88 \\ & 88 \\ & 0.0 \\ & \text { m } 0 \end{aligned}$ |  |  | 88888以上 능 ゥゥゥゥゥ |  | 8 8 0 0 0 | $\bar{N}$ |
| $\leftrightarrow \leftrightarrow$ |  | ↔め囚 | ↔めめめめ | $\Leftrightarrow ¢ \rightarrow$ ¢ | $\leftrightarrow$ |  |




CALCULATION OF AVERAGE PRICES REPORTED IN PLATTS GAS DAILY
FOR TEXAS GAS LEBANON HUB


|  |  | $\begin{aligned} & 88 \\ & \stackrel{8}{8} \\ & \stackrel{0}{4} \\ & \text { in } \end{aligned}$ |  |  |  | $\begin{aligned} & \text { 员员员员品 } \\ & \text { O } \\ & \text { NiN } \\ & \text { NN } \end{aligned}$ | 8 <br> $\stackrel{8}{8}$ | N | $\stackrel{\text { U }}{\text { N }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2 | $\leftrightarrow \leftrightarrow$ | なけめのせ | ↔ヵめめの |  | のめサめめ | $\infty$ |  | $\oplus$ |
|  |  |  |  |  | $\begin{aligned} & 88888 \\ & \stackrel{8}{0} \frac{0}{N} \stackrel{0}{N} \frac{0}{N} \\ & \text { N } \\ & \text { N } \end{aligned}$ |  | O | N | － |
|  | $\stackrel{4}{0}$ | $\omega め$ |  |  |  |  | $\leftrightarrow$ |  | $\oplus$ |
|  |  | $\begin{aligned} & 88 \\ & \text { O} \\ & \underset{\sim}{\mathrm{N}} \underset{\mathrm{~N}}{\mathrm{~N}} \end{aligned}$ |  |  |  |  |  | N | $\stackrel{N}{\stackrel{\infty}{\infty}}$ |
|  |  | 由の |  | ↔めめめめ | $\leftrightarrow め め め$ |  | ${ }^{\circ}$ |  | $\omega$ |
|  | $\frac{\pi}{\lambda}$ | $\bigcirc$ | $\bigcirc \omega 入$ の | $\stackrel{\sim}{\sim}$ | の－ | ハNへ | $\stackrel{\text { を }}{\stackrel{1}{\circ}}$ | $\begin{aligned} & 0 \\ & 0 \\ & \vdots \\ & \hline \\ & 0 \\ & 0 \end{aligned}$ |  |




| $\begin{aligned} & \stackrel{8}{0} \\ & \stackrel{0}{0} \\ & \underset{N}{2} \end{aligned}$ |  |  |  | 8.880 号 8 号 <br> N N N N |
| :---: | :---: | :---: | :---: | :---: |
| $\leftrightarrow$ |  | カヵめの日 | 由めめめめ | かめめめめ |
| $\begin{aligned} & \mathrm{O} \\ & \stackrel{1}{2} \\ & \underset{N}{2} \end{aligned}$ |  | 으N으N유N <br> N N N N N |  | $\begin{aligned} & 88888 \\ & \text { 名送若 } \\ & \text { N N } \end{aligned}$ |
| $\Leftrightarrow$ | $\leftrightarrow \leftrightarrow \leftrightarrow \leftrightarrow め$ | $\leftrightarrow \leftrightarrow \leftrightarrow \leftrightarrow \leftrightarrow$ | $\leftrightarrow め め \Leftrightarrow$ |  |
| $\begin{aligned} & \stackrel{\circ}{\mathrm{M}} \\ & \text { N } \\ & \text { N } \end{aligned}$ |  |  |  |  |
| ${ }_{6}$ | ＊＊囚めめ | ＊＊＊＊＊ | ↔めめめめ | ↔めめめめ |

 \＄$\quad \exists \supseteq \forall ४ \exists \wedge \forall$
SONILSOd


$\leftrightarrow$

## PBR-GAIF INDICES <br> TENNESSEE - ZONE 0



|  | NATURAL <br> GAS WEEK |  |
| :--- | ---: | ---: |
|  | GULF COAST <br> ONSHORE－TX | MONTHLY |
|  |  | AVERAGE |


|  |  | $\begin{aligned} & \stackrel{\sim}{N} \\ & \stackrel{\sim}{\infty} \\ & \dot{\infty} \end{aligned}$ | $\begin{aligned} & \circ \\ & \stackrel{\rightharpoonup}{\circ} \\ & 0 \\ & \dot{N} \\ & \leftrightarrow \end{aligned}$ | $\begin{aligned} & \stackrel{\sim}{\alpha} \\ & \underset{\sim}{\dot{+}} \\ & \underset{\leftrightarrow}{\dot{\sim}} \end{aligned}$ | $\begin{aligned} & \text { O} \\ & \stackrel{8}{\mathrm{~m}} \\ & \underset{\sim}{\mathrm{i}} \end{aligned}$ | 8 <br>  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 88888 <br>  <br> 内内心Nは |  |  | $\begin{aligned} & 88888 \\ & 88 \\ & \hline 8 \\ & \hline \end{aligned}$ |
|  |  |  | $\begin{aligned} & \stackrel{N}{N} \stackrel{N}{S} \stackrel{N}{S} \\ & \stackrel{N}{N} \\ & N \\ & N \\ & N \\ & \hline \end{aligned}$ |  | $\begin{aligned} & N \stackrel{N}{N} \stackrel{N}{\sigma} \\ & \stackrel{N}{N} \\ & \stackrel{N}{N} \\ & \stackrel{N}{N} \\ & \stackrel{N}{N} \\ & \stackrel{N}{M} \\ & \hline \end{aligned}$ | $\begin{aligned} & N N N N N \\ & \stackrel{N}{\circ} \stackrel{N}{C} \stackrel{N}{N} \\ & N \\ & N \\ & \hline \end{aligned}$ |

CALCULATION OF AVERAGE PRICES REPORTED IN PLATTS GAS DAILY FOR TGPL－SOUTH CORPUS CHRIST！


| O998＇${ }^{\circ}$ | \＄ | 0088 ${ }^{\circ}$ | \＄ | 0098＇$\varepsilon$ | \＄ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| OG8\＆$\varepsilon^{\circ}$ | \＄ | 000＊ $\mathcal{\circ}$ | \＄ | $00<\varepsilon^{\circ} \varepsilon$ | \＄ |
| 000ヤ＊ | \＄ | 00Et＇ | \＄ | $00 \angle \varepsilon \cdot$ | \＄ |
| 0968．$\varepsilon$ | \＄ | 00عカ¢ | \＄ | 009 $\varepsilon^{\prime}$＇ | \＄ |
| 0SE己＇ | \＄ | 009て＇ $\mathcal{L}$ | \＄ | 00レでを | \＄ |
| 0988 ${ }^{\circ}$ | \＄ | 00レヤを | \＄ | $009 \varepsilon^{\circ} \varepsilon$ | \＄ |
| OS9＊${ }^{\circ}$ | \＄ | 0009 ${ }^{\circ}$ | \＄ | $00 \varepsilon カ$ ¢ | \＄ |


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|  |  | NO TGPL－SO | OV | EMBER 20 $\qquad$ |  | CHRISTI |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DAY |  | LOW |  | HIGH |  | AVERAGE |
| 1 | \＄ | 3.4500 | \＄ | 3.5200 | S | 3.4850 |
| 2 | \＄ | 3.3000 | \＄ | 3.3500 | 4 | 3.3250 |
| 3 | \＄ | 3.2900 | \＄ | 3.3300 | \＄ | 3.3100 |
| 4 | \＄ | 3.3000 | \＄ | 3.3700 | \＄ | 3.3350 |
| 5 |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |
| 7 | \＄ | 3.3400 | \＄ | 3.3900 | \＄ | 3.3650 |
| 8 | \＄ | 3.2800 | \＄ | 3.3300 | \＄ | 3.3050 |
| 9 | \＄ | 3.3800 | \＄ | 3.4200 | \＄ | 3.4000 |
| 10 | \＄ | 3.4000 | \＄ | 3.4800 | \＄ | 3.4400 |
| 11 | \＄ | 3.3600 | \＄ | 3.3900 | \＄ | 3.3750 |
| 12 |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |
| 14 | \＄ | 3.1600 | \＄ | 3.2300 | \＄ | 3.1950 |
| 15 | \＄ | 3.0600 | \＄ | 3.1100 | \＄ | 3.0850 |
| 16 | \＄ | 3.0400 | \＄ | 3.0800 | \＄ | 3.0600 |
| 17 | \＄ | 3.0100 | \＄ | 3.0700 | \＄ | 3.0400 |
| 18 | \＄ | 3.0500 | \＄ | 3.1000 | \＄ | 3.0750 |
| 19 |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |
| 21 | \＄ | 2.8900 | \＄ | 2.9300 | \＄ | 2.9100 |
| 22 | \＄ | 2.8500 | \＄ | 2.8800 | \＄ | 2.8650 |
| 23 | \＄ | 2.9600 | \＄ | 3.0200 | \＄ | 2.9900 |
| 24 |  |  |  |  |  |  |
| 25 |  |  |  |  |  |  |
| 26 |  |  |  |  |  |  |
| 27 |  |  |  |  |  |  |
| 28 | \＄ | 2.5600 | \＄ | 2.8100 | \＄ | 2.6850 |
| 29 | \＄ | 2.9800 | \＄ | 3.0700 | \＄ | 3.0250 |
| 30 | \＄ | 3.2800 | \＄ | 3.4100 | \＄ | 3.3450 |
| TOTAL | \＄ | 62.9400 | \＄ | 64.2900 | \＄ | 63.6150 |
| POSTINGS |  | 20 |  | 20 |  | 20 |
| AVERAGE | \＄ | 3.1470 | \＄ | 3.2145 | \＄ | 3.1808 |


|  |  |  |  |
| :---: | :---: | :---: | :---: |
|  |  |  | $\leftrightarrow \leftrightarrow \leftrightarrow \leftrightarrow \leftrightarrow$ |
| 응 88 <br> 응 <br> 10 |  | 88888 <br> $\infty$ $\infty \infty \infty$ | $\begin{aligned} & 88888 \\ & \hline 68080 \\ & 0060 \end{aligned}$ |
| T－TN | $\tau \leftarrow \leftarrow \leftarrow$ | $\leftarrow \leftarrow \leftarrow \leftarrow$ | $\checkmark \sim T \sim$ |
|  | $\leftrightarrow \leftrightarrow \leftrightarrow \leftrightarrow$ | $\leftrightarrow \leftrightarrow \leftrightarrow \leftrightarrow め$ | $\leftrightarrow \leftrightarrow \leftrightarrow \leftrightarrow \leftrightarrow$ |
|  | 98988 <br> ক ক ০ $\infty$ |  |  |
| $め め め$ ¢ |  | ↔めめめめ | $\leftrightarrow め め め め$ |
| Nのサし0 | $\infty$ の윤 | $\varphi \stackrel{\infty}{\sim}$ | NNNN |

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$$
\begin{gathered}
\text { MARCH } 2012 \\
\text { TGPL-SOUTH CORPUS CHRISTI } \\
\begin{array}{|c|r|r|}
\hline \text { LOW } & \text { HIGH AVERAGE } \\
\hline
\end{array}
\end{gathered}
$$

|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\omega \rightarrow$ | かめめめ | あめかめめ |  |  |
| $\begin{aligned} & 8.8 \\ & \stackrel{0}{0} \\ & \text { No } \\ & \text { in } \end{aligned}$ |  |  |  |  |
| $\leftrightarrow \leftrightarrow$ |  |  |  | 为为め为为 |
| $\begin{aligned} & 8.8 \\ & \text { ¢ } \\ & \text { N } \\ & \text { N } \end{aligned}$ |  |  |  |  |
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|  |  |  |  |  |

TOTAL


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| 02 |  | OZ |  | 0 Z |  | SONILSOd |
| 000266 | \＄ | 0089 ${ }^{\circ} 6$ | \＄ | 0028＇87 | \＄ | $7 \forall 101$ |

CALCULATION OF AVERAGE PRICES REPORTED IN PLATTS GAS DAILY




## PBR-GAIF INDICES <br> TENNESSEE-ZONE 1



GULF COAST MONTHLY
ONSHORE-LA AVERAGE

0000 0\$
 FOR GULF COAST ONSHORE - LA

 $\leftrightarrow$ ZLOZ/8Z/GO
ZLOZ/LZ/SO
ZLOZ/ナL/S0
ZLOZ/LO/G0



 ZLOZ/6Z/OL
ZLOZIZZ/O1
ZLOZ/GL/O1
ZLOZ/80/O1
ZLOZ/LO/OL


再 COAST

CALCULATION OF AVERAGE PRICES REPORTED IN PLATTS GAS DAILY FOR TGPL - LA. ONSHORE SOUTH - 500 LEG

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| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DAY |  | LOW |  | HIGH\| |  | AVERAGE |
| 1 | \$ | 3.5600 | \$ | 3.6300 | \$ | 3.5950 |
| 2 | \$ | 3.3800 | \$ | 3.4300 | \$ | 3.4050 |
| 3 | \$ | 3.3300 | \$ | 3.4000 | \$ | 3.3650 |
| 4 | \$ | 3.4300 | \$ | 3.5100 | \$ | 3.4700 |
| 5 |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |
| 7 | \$ | 3.4000 | \$ | 3.4700 | \$ | 3.4350 |
| 8 | \$ | 3.3200 | \$ | 3.4000 | \$ | 3.3600 |
| 9 | \$ | 3.4300 | \$ | 3.4900 | \$ | 3.4600 |
| 10 | \$ | 3.5300 | \$ | 3.6200 | \$ | 3.5750 |
| 11 | \$ | 3.4700 | \$ | 3.5100 | \$ | 3.4900 |
| 12 |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |
| 14 | \$ | 3.2600 | \$ | 3.3100 | \$ | 3.2850 |
| 15 | \$ | 3.1500 | \$ | 3.1900 | \$ | 3.1700 |
| 16 | \$ | 3.0900 | \$ | 3.1400 | \$ | 3.1150 |
| 17 | \$ | 3.1100 | \$ | 3.1500 | \$ | 3.1300 |
| 18 | \$ | 3.1400 | \$ | 3.1700 | \$ | 3.1550 |
| 19 |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |
| 21 | \$ | 3.0400 | \$ | 3.0700 | \$ | 3.0550 |
| 22 | \$ | 2.9300 | \$ | 2.9900 | \$ | 2.9600 |
| 23 | \$ | 3.0200 | \$ | 3.0900 | \$ | 3.0550 |
| 24 |  |  |  |  |  |  |
| 25 |  |  |  |  |  |  |
| 26 |  |  |  |  |  |  |
| 27 |  |  |  |  |  |  |
| 28 | \$ | 2.6800 | \$ | 2.8900 | \$ | 2.7850 |
| 29 | \$ | 3.1100 | \$ | 3.1800 | \$ | 3.1450 |
| 30 | \$ | 3.4100 | \$ | 3.5000 | \$ | 3.4550 |
| TOTAL | \$ | 64.7900 | \$ | 66.1400 | \$ | 65.4650 |
| POSTINGS |  | 20 |  | 20 |  | 20 |
| AVERAGE | \$ | 3.2395 | \$ | 3.3070 | \$ | 3.2733 |


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\section*{| JUNE 2012 |
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| DAY TGPL－LA．ONSHORE SO．－500 LEG |
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## PBR-GAIF indices DELIVERY AREA INDEX ("DAI")

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CALCULATION OF AVERAGE NATURAL GAS WEEK PRICE BY MONTH

|  |  | FOR DOMINION SOUTH <br> POINT |  |  |
| :--- | ---: | :--- | :--- | :--- |
|  |  |  |  | NATURAL |
|  | NATURAL |  |  | GAS WEEK |
|  | GAS WEEK |  |  | DOMINION |
|  | DOMINION | MONTHLY |  | SOUTH | AVERAGE

CALCULATION OF AVERAGE PRICES REPORTED IN PLATTS GAS DAILY

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CALCULATION OF AVERAGE PRICES REPORTED IN PLATTS GAS DAILY

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CALCULATION OF AVERAGE PRICES REPORTED IN PLATTS GAS DAILY

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> PBR-GAIF
> CALCULATION OF SUPIY ZONE FIRM QUANTITY ENTITLEMENT PERCENTAGE ("SZFQEP")





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| $18,615,000$ |
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| $60,644,100$ |

SUPPRY ZONE FIRM QUANTITY ENTILLEMENT PERCENT.*
TGT-FT. 29909
TGT.STF-26788
TGPL-FT-A-A0715

[^1]
## PBR-TIF

SUPPORTING CALCULATIONS

## PBR-TIF

CALCULATION OF BENCHMARK GAS TRANSPORTATION COSTS ("BMGTC")

ortion of bmgtc $\xrightarrow{\text { TOTAL }}$
$\circ$

| MONTH | DAYS | CALCULATION OF TEXAS GAS NO-NOTICE SERUICE PORTION OF BMGTC |  |  |  |  |  | CALCULATION OF SURCHARGES |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | DEMAND DEMAND CHARGES |  |  | COMS COMMOCITY CHARGES |  |  |  |  |
|  |  | charge | DEMAND | (192x $\times 3$ | COMMODTY | CITY-GATE OFLVERIES | TOTAL | ${ }^{\text {ACA }}$ | total |
| NOV. 11 |  | 50.4190 | 194,900 | 52,324,193 |  | -1462231 |  | Charg | (6x8) |
| DEC. 11 | 31 | S0.4990 | 184,900 | \$2.401.686 | S0.0614 | 1,462,231 | \$ 89,781 | \$0.0018 | \$2,632 |
| JAN. 12 | 31 | \$0.4190 | 184.900 | \$52.401.666 | S0.0614 | 1.528,807 | \$93,669 | S0.0018 | \$2.752 |
| FEB. 12 | 29 | \$0.4990 | 184.900 | \$2,246,720 | S0 0614 | 1,959, 055 | \$121.882 | S0.0018 | \$3,573 |
| MAR. 12 | 34 | 50.4190 | 184,900 | \$2,401,666 |  | 1.095,865 | 567.285 | S0.0018 | \$1,973 |
| APR. 12 | 30 | S0.4190 | 97.440 | 51,224.821 | S0.0614 | ${ }^{3631040}$ | \$22.299 | \$0.0018 | 5853 |
| MAY 12 | 31 | \$0.4190 | 60,000 | \$779,340 | S0.0514 | 302318 | S14,83 | S0.0018 | 5434 |
| JUN. 12 | ${ }^{30}$ | \$0.4190 | 60,000 | \$754,200 | S0.0514 | 642913 | \$18.562 | S0.0018 | \$544 |
| Jul 12 | 31 | \$0.4190 | 60,000 | 5779,340 | \$0.0614 | 642,93 | \$39.475 | \$0.0018 | \$1.157 |
| AUG. 12 | 31 | \$0.0000 | 60,000 |  | S0.0000 | 618,807 | \$38.001 | 50.0018 | \$1,114 |
| SEP 12 | 30 | 50.0000 | 60.000 | so | \$0.0000 | ${ }_{0}$ | so | \$0.0000 | so |
| OCt. 12 | 31 | s0.0000 | 177,020 | so | \$0.0000 | 0 | S0 | \$0.0000 | so |
| TOTAL | 366 |  | 1,438,960 | \$15,313.612 |  |  |  |  |  |
|  |  |  |  |  |  | 8.24,237 | \$505,950 |  | \$14,832 |
| COLUMN | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |




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# PBR-TIF <br> CALCULATION OF ANNUAL ACTUAL GAS TRANSPORTATION COSTS ("AAGTC") 

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| ACTUAL ANNUAL |
| GAS TRANSPORT． |
| COSTS－TENNESSEE | $\$ 3$

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MONTH

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 TOTAL
## PBR-TIF

CALCULATION OF SAVINGS AND/OR EXPENSES
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## PBR-TIF <br> TARIFF SHEETS

# PBR-TIF <br> TEXAS GAS TARIFF SHEETS RATE NNS 

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

|  | Base Tariff Rates (1) | FERC ACA (2) | Currently Effective Rates (3) |
| :---: | :---: | :---: | :---: |
| Zone SL |  |  |  |
| Daily Demand | 0.1800 |  | 0.1800 |
| Commodity | 0.0253 | 0.0018 | 0.0271 |
| Overrun | 0.2053 | 0.0018 | 0.2071 |
| Zone 1 |  |  |  |
| Daily Demand | 0.2782 |  | 0.2782 |
| Commodity | 0.0431 | 0.0018 | 0.0449 |
| Overrun | 0.3213 | 0.0018 | 0.3231 |
| Zone 2 |  |  |  |
| Daily Demand | 0.3088 |  | 0.3088 |
| Commodity | 0.0460 | 0.0018 | 0.0478 |
| Overrun | 0.3548 | 0.0018 | 0.3566 |
| Zone 3 |  |  |  |
| Daily Demand | 0.3543 |  | 0.3543 |
| Commodity | 0.0490 | 0.0018 | 0.0508 |
| Overrun | 0.4033 | 0.0018 | 0.4051 |
| Zone 4 |  |  |  |
| Daily Demand | 0.4190 |  | 0.4190 |
| Commodity | 0.0614 | 0.0018 | 0.0632 |
| Overrun | 0.4804 | 0.0018 | 0.4822 |

Minimum Rate: Demand \$-0-; Commodity - Zone SL 0.0163
Zone 10.0186
Zone 20.0223
Zone 30.0262
Zone 40.0308
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.
- For receipts from Duke Field Services' Carthage Plant/Gulf South Pipeline Company, LP, Enbridge Pipelines, L.P./Gulf South Pipeline Company, LP, Energy Transfer Company/Gulf South Pipeline Company, LP, and Enterprise Texas Pipeline L.P./Gulf South Pipeline Company, LP interconnects in Panola County, Texas, Customer shall pay an incremental transportation charge of:

| Daily Demand | $\$ 0.1288$ |
| :--- | :--- |
| Commodity | $\$ 0.0068$ |
| Overrun | $\$ 0.1356$ |

These receipt points are available to those customers agreeing to pay the incremental rate(s) applicable to such points and are not available for pooling under Rate Schedule TAPS.

# PBR-TIF <br> TEXAS GAS TARIFF SHEETS RATE FT 

## Currently Effective Maximum Daily Demand Rates (\$ per MMMBtu) 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.
- For receipts from Duke Field Services' Carthage Plant/Gulf South Pipeline Company, LP, Enbridge Pipelines, L.P./Gulf South Pipeline Company, LP, Energy Transfer Company/Gulf South Pipeline Company, LP, and Enterprise Texas Pipeline L.P./Gulf South Pipeline Company, LP interconnects in Panola County, Texas, Customer shall pay an incremental Daily Demand charge of $\$ 0.1288$. These receipt points are available to those customers agreeing to pay the incremental rate(s) applicable to such points and are not available for pooling under Rate Schedule TAPS.


## Currently Effective Maximum Commodity Rates (\$ per MIMBtu) For Service Under Rate Schedule FT

|  |  | Currently <br> Base Tariff <br> Rates |
| :---: | :---: | :---: |
| FERC | Effective |  |
| Rates |  |  |

(1)
(2)
(3)

| SL-SL | 0.0104 | 0.0018 | 0.0122 |
| :--- | :--- | :--- | :--- |
| SL-1 | 0.0355 | 0.0018 | 0.0373 |
| SL-2 | 0.0399 | 0.0018 | 0.0417 |
| SL-3 | 0.0445 | 0.0018 | 0.0463 |
| SL-4 | 0.0528 | 0.0018 | 0.0546 |
| $1-1$ | 0.0337 | 0.0018 | 0.0355 |
| $1-2$ | 0.0385 | 0.0018 | 0.0403 |
| $1-3$ | 0.0422 | 0.0018 | 0.0440 |
| $1-4$ | 0.0508 | 0.0018 | 0.0526 |
| $2-2$ | 0.0323 | 0.0018 | 0.0341 |
| $2-3$ | 0.0360 | 0.0018 | 0.0378 |
| $2-4$ | 0.0446 | 0.0018 | 0.0464 |
| $3-3$ | 0.0312 | 0.0018 | 0.0330 |
| $3-4$ | 0.0398 | 0.0018 | 0.0416 |
| $4-4$ | 0.0360 | 0.0018 | 0.0378 |

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 intrazone rates shall apply to intra-zone transportation, whether such intra-zone transportation is forward haul or backhaul.

Notes:
. For receipts from Duke Field Services' Carthage Plant/Gulf South Pipeline Company, LP, Enbridge Pipelines, L.P./Gulf South Pipeline Company, LP, Energy Transfer Company/Gulf South Pipeline Company, LP, and Enterprise Texas Pipeline L.P./Gulf South Pipeline Company, LP interconnects in Panola County, Texas, Customer shall pay an incremental Commodity charge of $\$ 0.0068$. These receipt points are available to those customers agreeing to pay the incremental rate(s) applicable to such points and are not available for pooling under Rate Schedule TAPS.

# PBR-TIF <br> TEXAS GAS TARIFF SHEETS RATE STF 

## Currently Effective Maximum Transportation Rates (\$ per MMBtu)

 For Service under Rate Schedule STF
## Peak (Winter)-Demand

Currently
Effective
Rates [1]

| 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 intrazone 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.

- For receipts from Duke Field Services' Carthage Plant/Gulf South Pipeline Company, LP, Enbridge Pipelines, L.P./Gulf South Pipeline Company, LP, Energy Transfer Company/Gulf South Pipeline Company, LP, and Enterprise Texas Pipeline L.P./Gulf South Pipeline Company, LP interconnects in Panola County, Texas, Customer shall pay an incremental Daily Demand charge of $\$ 0.1288$. These receipt points are available to those customers agreeing to pay the incremental rate(s) applicable to such points and are not available for pooling under Rate Schedule TAPS.


## PBR-TIF <br> TENNESSEE TARIFF SHEETS RATE FT-A

Tennessee Gas Pipeline Company, L.L.C.
FERC NGA Gas Tariff
Fifth Revised Sheet No. 14 Superseding
Fourth Revised Sheet No. 14

| RATES PER DEKATHERM |  | FIRM TRANSPORTATION RATES RATE SCHEDULE FOR FT-A |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Base Reservation Rates |  |  |  | DELIVERY ZONE |  |  |  |  |
| ZONE | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
| $\begin{aligned} & 0 \\ & L \end{aligned}$ | \$5.7504 | \$5.0941 | \$12.1229 | \$16.3405 | \$16.6314 | \$18.3503 | \$19.4843 | \$24.4547 |
| 1 | \$8.7060 |  | \$8.3414 | \$11.1329 | \$15.8114 | \$15.6260 | \$17.6356 | \$21.6915 |
| 2 | \$16.3406 |  | \$11.0654 | \$5.7084 | \$5.3300 | \$6.8689 | \$9.4859 | \$12.2575 |
| 3 | \$16.6314 |  | \$8.7447 | \$5.7553 | \$4.1249 | \$6.4085 | \$11.6731 | \$13.4872 |
| 4 | \$21.1425 |  | \$19.4839 | \$7.3648 | \$11.2429 | \$5.4700 | \$5.9240 | \$8.4896 |
| 5 | \$25.2282 |  | \$17.6984 | \$7.7303 | \$9.3742 | \$6.0880 | \$5.7043 | \$7.4396 |
|  | \$29.1846 |  | \$20.3275 | \$13.9551 | \$15.3850 | \$10.8692 | \$5.6613 | \$4.8846 |
| Daily Base Reservation Rate 1/ |  |  |  | Deliver | ZONE |  |  |  |
| ZONE | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
| ${ }_{1}{ }_{L}$ | \$0.1891 | \$0.1675 | \$0.3986 | \$0.5372 | \$0.5468 | \$0.6033 | \$0.6406 | \$0.8040 |
| 1 | \$0.2862 |  | \$0.2742 | \$0.3660 | \$0.5198 | \$0.5137 | \$0.5798 | \$0.7131 |
| 2 | \$0.5372 |  | \$0.3638 | \$0.1877 | \$0.1752 | \$0.2258 | \$0.3119 | \$0.4030 |
| 3 | \$0.5468 |  | \$0.2875 | \$0.1892 | \$0.1356 | \$0.2107 | \$0.3838 | \$0.4434 |
| 5 | \$0.6951 |  | \$0.6406 | \$0.2421 | \$0.3696 | \$0.1798 | \$0.1948 | \$0.2791 |
| 5 | $\$ 0.8294$ $\$ 0.9595$ |  | $\$ 0.5819$ $\$ 0.6683$ | $\$ 0.2541$ $\$ 0.4588$ | $\$ 0.3082$ $\$ 0.5058$ | $\$ 0.2002$ $\$ 0.3573$ | $\$ 0.1875$ $\$ 0.1861$ | $\$ 0.2446$ $\$ 0.1606$ |


| Maximum Reservation Rates $2 / \mathrm{l}$ / $3 /$ |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |
| ZONE | 0 | $L$ | 1 | 2 | 3 | 4 | 5 | 6 |
| 0 | \$5.7504 |  | \$12.1229 | \$16.3405 | \$16.6314 | \$18.350.3 | \$19.4843 | \$24.4547 |
| L |  | \$5.0941 |  |  |  |  |  |  |
| 1 | \$8.7060 |  | \$8.3414 | \$11.1329 | \$15.8114 | \$15.6260 | \$17.6.356 | \$21.6916 |
| 2 | \$16.3406 |  | \$11.0654 | \$5.7084 | \$5.3300 | \$6.8689 | \$9.4859 | \$12.2575 |
| 3 | \$16.6314 |  | \$8.7447 | \$5.7553 | \$4.1249 | \$6.4085 | \$11.6731 | \$13.4872 |
| 4 | \$21.1425 |  | \$19.4839 | \$7.3648 | \$11.2429 | \$5.4700 | \$5.9240 | \$8.4896 |
| 5 | \$25.2282 |  | \$17.6984 | \$7.7303 | \$9.3742 | \$6.0880 | \$5.7043 | \$7.4396 |
| 6 | \$29.1846 |  | \$20.3275 | \$13.9551 | \$15.3850 | \$10.8692 | \$5.6613 | \$4.8846 |

Notes:
1/ Applicable to demand charge credits and secondary points under discounted rate agreements.
2f 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 $\$ 0.0000$.

Tennessee Gas Pipeline Company, L.L.C.
FERC NGA Gas Tariff
Sixth Revised Volume No. 1
Fourth Revised Sheet No. 14 Superseding Third Revised Sheet No. 14

| RATES PER DEKATHERMFIRM TRANSPORTATION RATESRATE SCHEDULE FOR FT-A |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |
| Base Reservation Rates |  | DELIVERY ZONE |  |  |  |  |  |  |
| ZONE | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
| $\begin{aligned} & 0 \\ & L \end{aligned}$ | \$5.7504 | \$5.0941 | \$12.1229 | \$16.3405 | \$16.6.314 | \$18.3503 | \$19.4843 | \$24.4547 |
| 1 | \$8.7060 |  | \$8.3414 | \$11.1329 | \$15.8114 | \$15.6260 | \$17.6356 | \$21.6916 |
| 2 | \$16.3406 |  | \$11.0654 | \$5.7084 | \$5.3300 | \$6.8689 | \$9.4859 | \$12.2575 |
| 3 | \$16.6314 |  | \$8.7447 | \$5.7553 | \$4.1249 | \$6.4085 | \$11.6731 | \$13.4872 |
| 4 | \$21.1425 |  | \$19.4839 | \$7.3648 | \$11.2429 | \$5.4700 | \$5.9240 | \$8.4896 |
| 5 | \$25.2282 |  | \$17.6984 | \$7.7303 | \$9.3742 | \$6.0880 | \$5.7043 | \$7.4396 |
| 6 | \$29.1846 |  | \$20,3275 | \$13.9551 | \$15.3850 | \$10.8692 | \$5.6613 | \$4.8846 |

Daily Base Reservation Rate 1/ DELIVERY ZONE


Maximum Reservation Rates $2 /$ DELIVERY ZONE

| ZONE | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | \$5.7504 | \$5.0941 | \$12.1229 | \$16.3405 | \$16.6314 | \$18.3503 | \$19.4843 | \$24.4547 |
| L |  |  |  |  |  |  |  |  |
| 1 | \$8.7060 |  | \$8.3414 | \$11.1329 | \$15.8114 | \$15.6260 | \$17.6356 | \$21.6916 |
| 2 | \$16.3406 |  | \$11.0654 | \$5.7084 | \$5.3300 | \$6.8689 | \$9.4859 | \$12.2575 |
| 3 | \$16.6314 |  | \$8.7447 | \$5.7553 | \$4.1249 | \$6.4085 | \$11.6731 | \$1.3.4872 |
| 4 | \$21.1425 |  | \$19.4839 | \$7.3648 | \$11.2429 | \$5.4700 | \$5.9240 | \$8.4896 |
| 5 | \$25.2282 |  | \$17.6984 | \$7.7303 | \$9.3742 | \$6.0880 | \$5.7043 | \$7.4396 |
| 6 | \$29.1846 |  | \$20.3275 | \$13.9551 | \$15.3850 | \$10.8692 | \$5,6613 | \$4.8846 |

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 $\$ 0.0000$ Dally Reservation.

FERC. NGA Gas Tariff
Seventh Revised Sheet No. 15
Sixth Revised Volume No. 1

RATES PER DEKATHERM


Minimum
Commodity Rates 1/, $2 /$
DELIVERY ZONE

| ZONE | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | \$0.0050 | \$0.0030 | \$0.01.33 | \$0.0195 | \$0.0237 | \$0.0268 | \$0.0302 | \$0.0364 |
| L |  |  |  |  |  |  |  |  |
| 1 | \$0.0060 |  | \$0.0099 | \$0.0165 | \$0.0197 | \$0.0228 | \$0.0274 | \$0.0318 |
| 2 | \$0.0185 |  | \$0.0105 | \$0.0030 | \$0.0046 | \$0.0074 | \$0.0118 | \$0.0161 |
| 3 | \$0.0225 |  | \$0.0187 | \$0.0044 | \$0.0020 | \$0.0099 | \$0.0136 | \$0.0181 |
| 4 | \$0.0268 |  | \$0.0223 | \$0.0105 | \$0.0123 | \$0.0046 | \$0.0064 | \$0.0110 |
| 5 | \$0.0302 |  | \$0.0274 | \$0.0118 | \$0.0136 | \$0.0064 | \$0.0064 | \$0.0084 |
| 6 | \$0.0364 |  | \$0.031.8 | \$0.0161 | \$0.0181 | \$0.0104 | \$0.0059 | \$0.0038 |

Maximum
Commodity Rates $1 /, 2 /, 3 /$
DELIVERY ZONE

| $\begin{aligned} & \text { RECEIPT } \\ & \text { ZONE } \end{aligned}$ | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | \$0.0050 | \$0.0030 | \$0.0133 | \$0.0195 | \$0.0237 | \$0.2769 | \$0.2643 | \$0.3142 |
| L |  |  |  |  |  |  |  |  |
| 1 | \$0.0060 |  | \$0.0099 | \$0.0165 | \$0.0197 | \$0.2357 | \$0.2403 | \$0.2741 |
| 2 | \$0.0185 |  | \$0.0105 | \$0.0030 | \$0.0046 | \$0.0775 | \$0.1232 | \$0.1363 |
| 3 | \$0.0225 |  | \$0.0187 | \$0.0044 | \$0.0020 | \$0.1030 | \$0.1418 | \$0.1546 |
| 4 | \$0.0268 |  | \$0.0223 | \$0.0105 | \$0.0123 | \$0.0486 | \$0.0680 | \$0.1091 |
| 5 | \$0.0302 |  | \$0.0274 | \$0.0118 | \$0.0136 | \$0.0677 | \$0.0671 | \$0.0829 |
| 6 | \$0.0364 |  | \$0.0318 | \$0.0161 | \$0.0181 | \$0.1032 | \$0.0567 | \$0.0352 |

Notes:
1/ Includes a per Dth charge for (ACA) Annual Charge Adjustment of $\$ 0.0018$
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. 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 $0.21 \%$.
3/ Includes a per Dth charge for the PS/GHG Surcharge Adjustment per Article XXXVIII of the General Terms and Conditions of $\$ 0.0000$.

Tennessee Gas Pipeline Company, L.L.C.
FERC NGA Gas Tariff
Sixth Revised Sheet No. 15
Sixth Revised Volume No. 1
Superseding
Fifth Revised Sheet No. 15
RATES PER DEKATHERM


## Notes:

1/ Includes a per Dth charge for (ACA) Annual Charge Adjustment of $\$ 0.0018$
2/ The applicable FQLR's and EPCR's, determined pursuant to Article XXXVII of the General Terms and Conditions, are listed on Sheet No. 32. For service that is rendered entirely by displacement, Shipper shall render only the quantity of gas associated with Losses of $0.09 \%$.
3/ Includes a per Dth charge for the PS/GHG Surcharge Adjustment per Article XXXVIII of the General Terms and Conditions of $\$ 0.0000$.

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

Fifth Revised Sheet. No. 15 Superseding Fourth Revised Sheet No. 15

## RATES PER DEKATHERM

|  | COMMODITY RATES RATE SCHEDULE FOR FT-A |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Base Commodity Rates | DELIVERY ZONE |  |  |  |  |  |  |  |  |
|  | ZONE | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
|  | $\begin{aligned} & 0 \\ & L \end{aligned}$ | \$0.0032 | \$0.0012 | \$0,0115 | \$0.0177 | \$0.0219 | \$0.2751 | \$0.2625 | \$0.3124 |
|  | 1 | \$0.0042 |  | \$0,0081 | \$0.0147 | \$0.0179 | \$0.2339 | \$0.2385 | \$0.2723 |
|  | 2 | \$0.0167 |  | \$0.0087 | \$0.0012 | \$0,0028 | \$0.0757 | \$0.1214 | \$0.1345 |
|  | 3 | \$0.0207 |  | \$0.0169 | \$0.0026 | \$0.0002 | \$0.1012 | \$0.1400 | \$0.1528 |
|  | 4 | \$0.0250 |  | \$0.0205 | \$0.0087 | \$0.0105 | \$0.0468 | \$0.0662 | \$0.1073 |
|  | 5 | \$0.0284 |  | \$0.0256 | \$0.0100 | \$0.0118 | \$0.0659 | \$0.0653 | \$0.0811 |
|  | 5 | \$0.0346 |  | \$0.0300 | \$0.0143 | \$0.0163 | \$0.1014 | \$0.0549 | \$0.03.34 |

MinImum
Commodity Rates 1/, 2/3/
DELIVERY ZONE

| RECEIPT-- |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ZONE | 0 | $L$ | 1 | 2 | 3 | 4 | 5 | 6 |
| 0 | \$0.0080 | \$0.0040 | \$0.0247 | \$0.0372 | \$0.0457 | \$0.0534 | \$0.0604 | \$0.0727 |
| L |  |  |  |  |  |  |  |  |
| 1 | \$0.0100 |  | \$0.0179 | \$0.0312 | \$0.0376 | \$0.0451 | \$0.0547 | \$0.0632 |
| 2 | \$0.0362 |  | \$0.0191 | \$0.0039 | \$0.0072 | \$0.0132 | \$0.0223 | \$0.0305 |
| 3 | \$0.0445 |  | \$0.0.366 | \$0.0070 | \$0.0020 | \$0.0183 | \$0.0261 | \$0.0348 |
| 4 | \$0.0534 |  | \$0.0429 | \$0.0191 | \$0.0227 | \$0.0073 | \$0.0112 | \$0.0200 |
| 5 | \$0.0604 |  | \$0.0547 | \$0.0223 | \$0.0261 | \$0.0111 | \$0.0111 | \$0.0147 |
| 6 | \$0.0727 |  | \$0.0632 | \$0.0305 | \$0.0348 | \$0.0188 | \$0.0094 | \$0.0051 |

Maximum
Commodity Rates $1 /, 2 / 3 /, 4 /$
DELIVERY ZONE

| ZONE | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | \$0.0080 | \$0.0040 | \$0.0247 | \$0.0372 | \$0.0457 | \$0,3035 | \$0.2945 | \$0.3505 |
| L |  |  |  |  |  |  |  |  |
| 1 | \$0.0100 |  | \$0.0179 | \$0.0312 | \$0.0376 | \$0.2580 | \$0.2676 | \$0.3055 |
| 2 | \$0.0362 |  | \$0.0191 | \$0.0039 | \$0.0072 | \$0.0833 | \$0.1337 | \$0.1507 |
| 3 | \$0.0445 |  | \$0.0366 | \$0.0070 | \$0.0020 | \$0.111.4 | \$0.1543 | \$0.1713 |
| 4 | \$0.0534 |  | \$0.0429 | \$0.0191 | \$0.0227 | \$0.0513 | \$0.0728 | \$0.1181 |
| 5 | \$0.0604 |  | \$0.0547 | \$0.0223 | \$0.0261 | \$0.0724 | \$0.0718 | \$0.0892 |
| 6 | \$0.0727 |  | \$0.0632 | \$0.0305 | \$0.0348 | \$0.1116 | \$0.0602 | \$0.0365 |

Notes:

1/ Includes a per Dth charge for (ACA) Annual Charge Adjustment of $\$ 0.0018$
2/ The applicable FRLR's determined pursuant to Article XXXVII of the General Terms and Conditions are listed on Sheet No. 32. For service that is rendered entirely by displacement, Shipper shall render only the quantity of gas associated with Losses of $0.09 \%$.
3/ Includes a per Dth charge for EPCR Adjustment per Article XXXVIII of the General Terms and Conditions and listed on Sheet No. 33.

4/ Includes a per Dth charge for the Hurricane Surcharge Adjustment per Article XXXIX of the General Terms and Conditions and Ilsted on Sheet No. 34.

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

Sixth Revised Sheet No. 32
Superseding
Fifth Revised Sheet No. 32

DELIVERY ZONE

|  |  |  |  | IVE | NE |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ZONE | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
| 0 | 0.56\% | 0.35\% | 1.46\% | 2.11\% | 2.55\% | 3.02\% | 3.39\% | 4.00\% |
| L |  |  |  |  |  |  |  |  |
| 1 | 0.67\% |  | 1.10\% | 1.80\% | 2.13\% | 2.58\% | 3.09\% | 3.51\% |
| 2 | 2.15\% |  | 1.16\% | 0.34\% | 0.52\% | 0.86\% | 1.36\% | 1.77\% |
| 3 | 2.61\% |  | 2.17\% | 0.52\% | 0.24\% | 1.14\% | 1.57\% | 2.03\% |
| 4 | 3.10\% |  | 2.41\% | 1.15\% | 1.35\% | 0.53\% | 0.75\% | 1.20\% |
| 5 | 3.50\% |  | 3.09\% | 1.37\% | 1.58\% | 0.75\% | 0.74\% | 0.91\% |
| 6 | 4.15\% |  | 3.51\% | 1.79\% | 2.03\% | 1.13\% | 0.62\% | 0.38\% |

EPCR 3/, 4/
DELIVERY ZONE

| RECEIPT ZONE | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | \$0.0035 | \$0.0012 | \$0.0134 | \$0.0208 | \$0.0258 | \$0.0312 | \$0.0355 | \$0.0426 |
| L |  |  |  |  |  |  |  |  |
| 1 | \$0.0047 |  | \$0.0094 | \$0.0172 | \$0.0211 | \$0.0262 | \$0.0320 | \$0.0368 |
| 2 | \$0.0208 |  | \$0.0101 | \$0.0011 | \$0.0031 | \$0.0068 | \$0.0124 | \$0.0169 |
| 3 | \$0.0258 |  | \$0.0211 | \$0.0031 | \$0.0000 | \$0.0099 | \$0.0147 | \$0.0196 |
| 4 | \$0.0312 |  | \$0.0242 | \$0.0100 | \$0.0122 | \$0.0032 | \$0.0056 | \$0.0106 |
| 5 | \$0.0355 |  | \$0.0320 | \$0.0124 | \$0.0147 | \$0.0056 | \$0.0055 | \$0.0073 |
| 6 | \$0.0426 |  | \$0.0368 | \$0.0169 | \$0.0196 | \$0.0098 | \$0.0041 | \$0.0015 |

/ Included in the above F\&LR is the Losses component of the F\&LR equal to $0.21 \%$.
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 $0.21 \%$.
3/ The F\&LR's and EPCR's listed above are applicable to FT-A, FT-BH, FT-G, FT-GS, NET, NET-284 and IT.
4/ The F\&LR's and EPCR's determined pursuant to Article XXXVII of the General Terms and Conditions.

Tennessee Gas Pipeline Company, L.L.C.
FERC. NGA Gas Tariff
Sixth Revised Volume No. 1
Fifth Revised Sheet No. 32 Superseding Fourth Revised Sheet No. 32

FUEL AND EPCR

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

| $\begin{aligned} & \text { RECEIPT } \\ & \text { ZONE } \end{aligned}$ | DELVERY ZONE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
| , | 0.43\% | 0 | 1.32\% | 1.97\% | 2.42\% | 2.90\% | 3.28\% | 3.91\% |
| 1 | 0.54\% |  | 0.96\% | 1.65\% | 1.99\% | 2.45\% | 2.97\% | 3.40\% |
| 2 | 1.97\% |  | 1.02\% | 0.22\% | 0.39\% | 0.72\% | 1.22\% | 1.63\% |
| 3 | 2.42\% |  | 1.99\% | 0.39\% | 0.12\% | 1.00\% | 1.42\% | 1.86\% |
| 4 | 2.90\% |  | 2.27\% | 1.01\% | 1.21\% | 0.41\% | 0.62\% | 1.06\% |
| 5 | 3.28\% |  | 2.97\% | 1.22\% | 1.42\% | 0.61\% | 0.61\% | 0.77\% |
| 6 | 3.91\% |  | 3.40\% | 1.63\% | 1.86\% | 0.99\% | 0.49\% | 0.25\% |

EPCR 3/, 4/

| RECEIPTZONE | DELIVERY ZONE |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
| 0 | \$0.0030 |  | \$0.0114 | \$0.0177 | \$0.0220 | \$0.0266 | \$0.0302 | \$0.0363 |
| L |  | \$0.0010 |  |  |  |  |  |  |
| 1 | \$0.0040 |  | \$0.0080 | \$0.0147 | \$0.0179 | \$0.0223 | \$0.0273 | \$0.0314 |
| 2 | \$0.0177 |  | \$0.0086 | \$0.0009 | \$0.0026 | \$0.0058 | \$0.0105 | \$0.0144 |
| 3 | \$0.0220 |  | \$0.0179 | \$0.0026 | \$0.0000 | \$0.0084 | \$0.0125 | \$0.0167 |
| 4 | \$0.0266 |  | \$0.0206 | \$0.0086 | \$0.0104 | \$0.0027 | \$0.0048 | \$0.0090 |
| 5 | \$0.0302 |  | \$0.0273 | \$0,0105 | \$0.0125 | \$0.0047 | \$0.0047 | \$0.0063 |
| 6 | \$0.0363 |  | \$0.0314 | \$0.0144 | \$0.0167 | \$0.0084 | \$0.0035 | \$0.0013 |

1/ Included in the above F\&LR is the Losses component of the F\&LR equal to $0.09 \%$.
2/ For service that is rendered entirely by displacement and for gas scheduled and allocated for receipt at the Dracut, Massachusetts receipt point, Shipper shall render only the quantity of gas associated with Losses of 0.09\%.
3/ The F\&LR's and EPCR's listed above are applicable to FT-A, FT-BH, FT-G, FT-GS, NET, NET-284 and IT.
4/ The F\&LR's and EPCR's determined pursuant to Article XXXVII of the General Terms and Conditions.

Tennessee Gas Pipeline Company, L.L.C.
FERC NGA Gas Tariff
Second Revised Sheet No. 33
Superseding

| ELECTRIC POWER COST RECOVERY ADJUSTMENT 3/ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TRANSPORTATION 1/ |  | DELIVERY ZONE |  |  |  |  |  |  |  |
|  | $\begin{aligned} & \text { RECEIPT } \\ & \text { ZONE } \end{aligned}$ | 0 | L | 1 | 2 | 3 | 4 | 5 | 6 |
|  | L | \$0.0030 | $\$ 0.0010$ | \$0.0114 | \$0.0177 | \$0.0220 | \$0.0266 | \$0.0302 | \$0.0363 |
|  | 1 | \$0.0040 |  | \$0.0080 | \$0.0147 | \$0.0179 | \$0.0223 | \$0.0273 | \$0.0314 |
|  | 2 | \$0.0177 |  | \$0.0086 | \$0.0009 | \$0.0026 | \$0.0058 | \$0.0105 | \$0.0144 |
|  | 3 | \$0.0220 |  | \$0.0179 | \$0.0026 | \$0.0000 | \$0.0084 | \$0.0125 | \$0.0167 |
|  | 4 | \$0.0266 |  | \$0.0206 | \$0.0086 | \$0.0104 | \$0.0027 | \$0.0048 | \$0.0090 |
|  | 5 | \$0.0302 |  | \$0.0273 | \$0.0105 | \$0.0125 | \$0.0047 | \$0.0047 | \$0.0063 |
|  | 6 | \$0.0363 |  | \$0.0314 | \$0.0144 | \$0.0167 | \$0.0084 | \$0.0035 | \$0.0013 |

ELECTRIC POWER COST RECOVERY ADJUSTMENT 3/
STORAGE 21
$\$ 0.000$

1/ The EPCR listed above are applicable to FT-A, FT-BH, FT-G, FT-GS, NET, NET-284 and IT.
2/ The EPCR listed above is applicable to FS-MA, FS-PA, IS-MA, and IS-PA
3/ EPCR determined pursuant to Article XXXVIII of the General Terms and Conditions.

## PBR-OSSIF <br> SUPPORTING CALCULATIONS

## PBR-OSSIF

## CALCULATION OF OFF-SYSTEM SALES REVENUE ("OSREV"), OUT-OF-POCKET COSTS ("OOPC"), AND NET REVENUE ("NR")

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LOUISVILLE GAS AND ELECTRIC COMPANY
CALCULATION OF NET REVENUE
UNDER PER OFF-SYSTEM SALES INDEX FACTOR ("OSSIF")
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[^0]:    pbr_quarterly_reports_psc_3 2012. doc

[^1]:    - ALlocation percentage equals total zone capacity unoer each contract ovided by total capacity under each contract. -SUPPLY ZONE FIRM QUANTITY ENTITLEMENT PERCENTAGE IS CALCULATED BY DIVIDING THE TOTAL OF COL.18, 19, 20, 21, OR 22 BY THE TOTAL OF COL is.

