

The logo for Bluegrass Gas Sales is a dark, rectangular banner with the text "BLUEGRASS GAS SALES" in white, uppercase letters. The banner is tilted slightly upwards from left to right. Behind the banner, there are faint, light-colored lines that form a cross-like shape, with one line extending vertically and another horizontally, intersecting at the center of the banner.

**BLUEGRASS GAS SALES**

May 26, 2023

Mr. Kent Chandler, Executive Director  
Kentucky Public Service Commission  
211 Sower Boulevard  
P. O. Box 615  
Frankfort, Kentucky 40602-0615

RE: Gas Cost Adjustment request

Dear Mr. Chandler:

Enclosed is the Quarterly Report of Gas Cost Recovery Rate Calculation for the quarter ended March 31, 2023 for Bluegrass Gas Sales, Inc. referenced above. Please find the complete report that is enclosed with this letter.

Please call me if you have any questions.

Sincerely,

A handwritten signature in dark ink, appearing to read "Mark H. O'Brien". The signature is written in a cursive style with a prominent initial "M".

Mark H. O'Brien

Enclosure

**BLUEGRASS GAS SALES, INC.**

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Case Number 2023-00189

**QUARTERLY REPORT OF GAS COST  
RECOVERY RATE CALCULATION**

DATE FILED: May 26, 2023

DATE RATES TO BE EFFECTIVE: July 1, 2023

REPORTING PERIOD IS CALENDAR QUARTER ENDED: March 31, 2023

Submitted By: Mark H. O'Brien, President  
BlueGrass Gas Sales, Inc.  
P.O. Box 23539  
Anchorage, KY 40223  
(502)228-9698  
(502)228-7016 fax

SCHEDULE I

GAS COST RECOVERY RATE SUMMARY

| <u>Component</u>               | <u>Unit</u> | <u>Amount</u>   |
|--------------------------------|-------------|-----------------|
| Expected Gas Cost (EGC)        | \$/Mcf      | \$4.5764        |
| + Refund Adjustment (RA)       | \$/Mcf      | \$0.0000        |
| + Actual Adjustment (AA)       | \$/Mcf      | (\$1.6910)      |
| + Balance Adjustment (BA)      | \$/Mcf      | \$0.0330        |
| = Gas Cost Recovery Rate (GCR) | \$/Mcf      | <u>\$2.9184</u> |

GCR to be effective for service rendered from July 1, 2023 to September 30, 2023

A. Expected Gas Cost Calculation

|  |        |                 |
|--|--------|-----------------|
| Total Expected Gas Cost (from Schedule II) | \$     | \$265,574       |
| / Sales for 12 months ended March 31, 2023 | Mcf    | 58,031          |
| = Expected Gas Cost (EGC)                  | \$/Mcf | <u>\$4.5764</u> |

B. Refund Adjustment Calculation

|   |        |                 |
|---|--------|-----------------|
| Supplier Refund Adjustment for reporting period (from Schedule III) | \$/Mcf | \$0.0000        |
| + Previous Quarter Supplier Refund Adjustment                       | \$/Mcf | \$0.0000        |
| + Second Previous Quarter Supplier Refund Adjustment                | \$/Mcf | \$0.0000        |
| + Third Previous Quarter Supplier Refund Adjustment                 | \$/Mcf | \$0.0000        |
| = Refund Adjustment (RA)  | \$/Mcf | <u>\$0.0000</u> |

C. Actual Adjustment Calculation

|   |        |                   |
|---|--------|-------------------|
| Actual Adjustment for reporting period (from Schedule IV) | \$/Mcf | \$ (0.6902)       |
| + Previous Quarter Actual Adjustment                      | \$/Mcf | (1.0378)          |
| + Second Previous Quarter Actual Adjustment               | \$/Mcf | (0.0548)          |
| + Third Previous Quarter Actual Adjustment                | \$/Mcf | 0.0918            |
| = Actual Adjustment (AA)                                  | \$/Mcf | <u>(\$1.6910)</u> |

D. Balance Adjustment Calculation

|   |        |                 |
|---|--------|-----------------|
| Balance Adjustment for the Reporting Period (from Schedule V) | \$/Mcf | \$ 0.0272       |
| + Previous Quarter Reported Balance Adjustment                | \$/Mcf | 0.0016          |
| + Second Previous Quarter Reported Balance Adjustment         | \$/Mcf | 0.0005          |
| + Third Previous Quarter Reported Balance Adjustment          | \$/Mcf | 0.0037          |
| = Balance Adjustment (BA)                                     | \$/Mcf | <u>\$0.0330</u> |

SCHEDULE II

EXPECTED GAS COST

Projected Purchases for 12 months ended: March 31, 2024

| <u>Supplier</u>   | <u>Dth</u>    | <u>Btu<br/>Factor</u> | <u>Mcf</u>    | <u>Rate</u> | <u>Cost</u>      |
|-------------------|---------------|-----------------------|---------------|-------------|------------------|
| Home Office, Inc. | 61,185        | 1.028                 | 59,519        | \$4.4620    | \$265,574        |
|                   | 0             |                       | 0             |             | \$0              |
|                   | 0             |                       | 0             |             | \$0              |
|                   | 0             |                       | 0             |             | \$0              |
|                   | 0             |                       | 0             |             | \$0              |
|                   | 0             |                       | 0             |             | \$0              |
|                   | 0             |                       | 0             |             | \$0              |
|                   | 0             |                       | 0             |             | \$0              |
|                   | 0             |                       | 0             |             | \$0              |
| Totals            | <u>61,185</u> |                       | <u>59,519</u> |             | <u>\$265,574</u> |

|  | <u>Unit</u> | <u>Amount</u>    |
|--|-------------|------------------|
| Projected purchases for 12 months ended March 31, 2024     | Mcf         | 59,519           |
| - Projected sales for 12 months ended March 31, 2024       | Mcf         | <u>58,031</u>    |
| = Projected line loss for 12 months ended March 31, 2024   |             | <u>1,488</u>     |
| <br>   |             |                  |
| Total expected cost of purchases                           | \$          | \$265,574        |
| <br>   |             |                  |
| / Mcf purchases  | Mcf         | <u>59,519</u>    |
| = Average expected cost per Mcf                            | \$/Mcf      | \$4.4620         |
| <br>   |             |                  |
| x Allowable Mcf purchases (not to exceed 95% of Mcf sales) | Mcf         | <u>59,519</u>    |
| = Total Expected Gas Cost (to Schedule I, part A)          | \$          | <u>\$265,574</u> |

SCHEDULE III

SUPPLIER REFUND ADJUSTMENT

For the 3 month period ended: March 31, 2023

| <u>Particulars</u>  | <u>Unit</u> | <u>Amount</u>          |
|---|-------------|------------------------|
| Total supplier refunds received   | \$          | \$0                    |
| + Interest  |             | <u>\$0</u>             |
| = Refund Adjustment including interest                                      |             | \$0                    |
| / Sales for 12 months ended March 31, 2023                                  | Mcf         | <u>58,031</u>          |
| Supplier Refund Adjustment for the reporting period (to Schedule I, part B) | \$/Mcf      | <u><u>\$0.0000</u></u> |

SCHEDULE IV

ACTUAL ADJUSTMENT

For the 3 month period ended: March 31, 2023

| <u>Particulars</u>  | <u>Unit</u> | <u>Month 1</u><br>(Jan) | <u>Month 2</u><br>(Feb) | <u>Month 3</u><br>(Mar) |
|---|-------------|-------------------------|-------------------------|-------------------------|
| Total supply volume purchased   | Mcf         | 9,353                   | 6,669                   | 9,660                   |
| Total cost of volumes purchased                                       | \$          | \$65,700                | \$43,164                | \$43,849                |
| / Total sales (may not be less than<br>95% of supply volumes)         | Mcf         | 9,119                   | 6,502                   | 9,419                   |
| = Unit cost of gas  | \$/Mcf      | 7.2049                  | 6.6386                  | 4.6554                  |
| - EGC in effect for month   | \$/Mcf      | \$7.6983                | \$7.6983                | \$7.6983                |
| = Difference [(over)/under-recovery]                                  | \$/Mcf      | (\$0.4934)              | (\$1.0597)              | (\$3.0429)              |
| x Actual sales during month   | Mcf         | 9,119                   | 6,502                   | 9,419                   |
| = Monthly cost difference   | \$          | <u>(\$4,499)</u>        | <u>(\$6,890)</u>        | <u>(\$28,661)</u>       |
| <br>  |             |                         |                         |                         |
| Total cost difference (Month 1+2+3)                                   | \$          | (\$40,051)              |                         |                         |
| / Sales for 12 months ended March 31, 2023                            | Mcf         | <u>58,031</u>           |                         |                         |
| Actual Adjustment for the reporting period<br>(to Schedule I, part C) | \$/Mcf      | <u>(\$0.6902)</u>       |                         |                         |

SCHEDULE V

BALANCE ADJUSTMENT

For the 3 month period ended: March 31, 2023

| <u>Particulars</u>  | <u>Unit</u> | <u>Amount</u>          |
|---|-------------|------------------------|
| (1) Total cost difference used to compute AA of the GCR effective 4 quarters prior to the effective date of the currently effective GCR   | \$          | \$31,519               |
| <b>Less:</b> Dollar amount resulting from the AA of 0.5160 \$/Mcf as used to compute the GCR in effect four quarters prior to the effective date of the currently effective GCR times the sales of 58,031 Mcf during the 12 month period the AA was in effect   | \$          | <u>\$29,944</u>        |
| <b>Equals:</b> Balance Adjustment of the AA   | \$          | <u><u>\$1,575</u></u>  |
| (2) Total supplier refund adjustment including interest used to compute RA of the GCR effective 4 quarters prior to the effective date of the currently effective GCR   | \$          | \$0                    |
| <b>Less:</b> Dollar amount resulting from the RA of _____ \$/Mcf as used to compute the GCR in effect four quarters prior to the effective date of the currently effective GCR times the sales of _____ Mcf during the 12 month period the RA was in effect     | \$          | <u>\$0</u>             |
| <b>Equals:</b> Balance Adjustment of the RA   | \$          | <u><u>\$0</u></u>      |
| (3) Total balance adjustment used to compute BA of the GCR effective 4 quarters prior to the effective date of the currently effective GCR  | \$          | (\$5)                  |
| <b>Less:</b> Dollar amount resulting from the BA of (0.0001) \$/Mcf as used to compute the GCR in effect four quarters prior to the effective date of the currently effective GCR times the sales of 58,031 Mcf during the 12 month period the BA was in effect | \$          | <u>(\$6)</u>           |
| <b>Equals:</b> Balance Adjustment of the BA   | \$          | <u><u>\$1</u></u>      |
| Total Balance Adjustment Amount (1) + (2) + (3)   | \$          | \$1,576                |
| <b>Divide:</b> Sales for 12 months ended March 31, 2023   | Mcf         | <u>58,031</u>          |
| <b>Equals:</b> Balance Adjustment for the reporting period (to Schedule I, part D)  | \$/Mcf      | <u><u>\$0.0272</u></u> |