

**Sentra Corporation**

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

Date Filed:

**December 29, 2023**

Date Rates to be Effective:

**February 1, 2024**

Reporting Period is Calendar Quarter Ended:

**October 31, 2023**

**SCHEDULE I  
GAS COST RECOVERY RATE SUMMARY**

<u>Component</u>	<u>Unit</u>	<u>Amount</u>
Expected Gas Cost (EGC)	\$/Mcf	2.7566
+ Refund Adjustment (RA)	\$/Mcf	-
+ Actual Adjustment (AA)	\$/Mcf	(0.9414)
+ Balance Adjustment (BA)	\$/Mcf	<u>0.0345</u>
= Gas Cost Recovery Rate (GCR)	\$/Mcf	1.8497

GCR to be effective for service rendered from February 1, 2024

**A. EXPECTED GAS COST CALCULATION**

	<u>Unit</u>	
Total Expected Gas Cost (Schedule II)	\$	78,353.91
+ Sales for the 12 months ended	Mcf	<u>28,423.70</u>
- Expected Gas Cost (EGC)	\$/Mcf	2.7566

**B. REFUND ADJUSTMENT CALCULATION**

	<u>Unit</u>	
Supplier Refund Adjustment for Reporting Period (Sch. III)	\$/Mcf	\$ -
+ Previous Quarter Supplier Refund Adjustment	\$/Mcf	\$ -
+ Second Previous Quarter Supplier Refund Adjustment	\$/Mcf	\$ -
+ Third Previous Quarter Supplier Refund Adjustment	\$/Mcf	<u>\$ -</u>
= Refund Adjustment (RA)	\$/Mcf	\$ -

**C. ACTUAL ADJUSTMENT CALCULATION**

	<u>Unit</u>		
Actual Adjustment for the Reporting Period (Schedule IV)	\$/Mcf	\$ 0.0156	
+ Previous Quarter Reported Actual Adjustment	\$/Mcf	\$ (0.0011)	2023-00328
+ Second Previous Quarter Reported Actual Adjustment	\$/Mcf	\$ (0.3288)	2023-00219
+ Third Previous Quarter Reported Actual Adjustment	\$/Mcf	<u>\$ (0.6271)</u>	2023-00103
=Actual Adjustment (AA)	\$/Mcf	\$ (0.9414)	

**D. BALANCE ADJUSTMENT CALCULATION**

	<u>Unit</u>		
Balance Adjustment for the Reporting Period (Schedule V)	\$/Mcf	\$ 0.0075	
+ Previous Quarter Reported Balance Adjustment	\$/Mcf	\$ (0.0009)	2023-00328
+ Second Previous Quarter Reported Balance Adjustment	\$/Mcf	\$ 0.0264	2023-00219
+ Third Previous Quarter Reported Balance Adjustment	\$/Mcf	<u>\$ 0.0015</u>	2023-00103
=Balance Adjustment (BA)	\$/Mcf	\$ 0.0345	

SCHEDULE II  
EXPECTED GAS COST

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Actual\* Mcf Purchase for 12 months ended

10/31/2023

	(1) Supplier	(2) NYMEX Dth	(3) Heat Rate	(4) Mcf	(5) ** Rate =(2)x(3)	(6) Gas Cost Adder (\$0.40/dth)	(7) Transport Fee	(8) (4)x[(5)+(6)+(7)] Cost
Nov	Middle Tennessee NG	2.1653	1.0746	3712.90	2.3268	0.4298	0.0000	10,235.13
Dec	Middle Tennessee NG	2.1653	1.0746	5534.20	2.3268	0.4298	0.0000	15,255.80
Jan	Middle Tennessee NG	2.1653	1.0746	4734.20	2.3268	0.4298	0.0000	13,050.49
Feb	Middle Tennessee NG	2.1653	1.0746	3834.60	2.3268	0.4298	0.0000	10,570.61
Mar	Middle Tennessee NG	2.1653	1.0746	3986.00	2.3268	0.4298	0.0000	10,987.97
Apr	Middle Tennessee NG	2.1653	1.0746	2336.70	2.3268	0.4298	0.0000	6,441.44
May	Middle Tennessee NG	2.1653	1.0746	1319.20	2.3268	0.4298	0.0000	3,636.56
Jun	Middle Tennessee NG	2.1653	1.0746	435.10	2.3268	0.4298	0.0000	1,199.41
July	Middle Tennessee NG	2.1653	1.0746	116.40	2.3268	0.4298	0.0000	320.87
Aug	Middle Tennessee NG	2.1653	1.0746	330.40	2.3268	0.4298	0.0000	910.79
Sept	Middle Tennessee NG	2.1653	1.0746	603.40	2.3268	0.4298	0.0000	1,663.36
October	Middle Tennessee NG	2.1653	1.0746	1480.60	2.3268	0.4298	0.0000	4,081.48
	Totals			28,423.70				78,353.91

Line losses are Unknown for 12 months ended 10/31/2023 based on purchases of 28,423.70 Mcf and sales of 28,423.70

	Unit	Amount
Total Expected Cost of Purchases (6) (to Schedule IA.)	\$	\$ 78,353.91
Expected Mcf Purchases (4)	Mcf	28,423.70
= Average Expected Cost Per Mcf Purchased	\$/Mcf	\$ 2.7566
Plus: Expected Losses of (not to exceed 5%) (D26/0.95) if line loss > 5%	Mcf	28,423.70
= Total Expected Gas Cost (J32*J33 if line loss)	\$	\$ 78,353.91

\*Or adjusted pursuant to Gas Cost Adjustment Clause and explained herein.

\*\*Supplier's tariff sheets or notices are attached.



SCHEDULE III  
SUPPLIER REFUND ADJUSTMENT

Details for the 3 months ended

<u>Particulars</u>	<u>Unit</u>	<u>Amount</u>
Total supplier refunds received	\$	\$ -
+ Interest	\$	\$ -
<hr/>		
= Refund Adjustment including interest	\$	\$ -
+ Sales for 12 months ended _____ 10/31/2023	Mcf	28,423.70
<hr/>		
=Supplier Refund Adjustment for the Reporting Period (to Schedule IB.)	\$/Mcf	\$ -

SCHEDULE IV  
ACTUAL ADJUSTMENT

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For the 12 month period ended October 31, 2023

Particulars	Unit	Month 1	Month 2	Month 3	
		Aug-23	Sep-23	Oct-23	
Total Supply Volumes Purchased	Mcf	238.7	600.3	1,439.9	
Total Cost of Volumes Purchased	\$	740.64	1,907.51	4,879.20	
/ Total Sales *	Mcf	330.4	603.4	1,480.6	
= Unit Cost of Gas	\$/Mcf	\$2.2416	\$3.1613	\$3.2954	
Transport Fee	\$/Mcf	\$0.0000	\$0.0000	\$0.0000	
Total Unit Cost of Gas	\$/Mcf	\$2.2416	\$3.1613	\$3.2954	
- EGC in Effect for Month	\$/Mcf	\$2.9342	\$2.9342	\$2.9342	Approved in 2023-00219
= Difference	\$/Mcf	(\$0.6926)	\$0.2271	\$0.3612	
x Actual Sales during Month	Mcf	330.4	603.4	1,480.6	
= Monthly Cost Difference	\$	(\$229)	\$137	\$535	
Total Cost Difference			\$	\$443.02	
/ Sales for 12 months ended			Mcf	28,423.70	
= Actual Adjustment for the Reporting Period				\$0.0156	

\* May not be less than 95% of supply volume

SCHEDULE V  
BALANCE ADJUSTMENT

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For the 3 month period ended 10/31/2023

Line	Particulars	Unit	Amount
	Utility Gas Management		
(1)	Total cost difference from actual adjustment used to compute AA of the GCR effective four quarters prior to the effective date of the currently effective GCR.		29,852.00 = 11/01/2021 to 10/31/2022 sales AA = 0.1518 29852.00 X 0.1518
1		\$	<u>4,531.53</u>
2 Less:	Dollars amount resulting from the AA of <u>\$ 0.1518</u> \$/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		AA of 0.1518 on order 2022-00438 Effective Feb 1, 2023
3	<u>28,423.70</u> MCF during the 12 month period the AA was in effect.	\$	<u>4,314.72</u>
4 Equals:	Balance Adjustment for the AA.	\$	<u>216.81</u>
(2)	Total Supplier Refund Adjustment including interest used to compute RA of the GCR effective four quarters prior to the effective date of the currently effective GCR.		<b>2022-00438 effective Feb 1, 2023</b> <b>12 months prior to start of this order Feb 1, 2024</b>
5		\$	<u>-</u>
6 Less:	Dollar amount resulting from the RA of <u>-</u> \$/MCF as used to compute the OCR in effect four quarters prior to the effective GCR times the sales of		
7	<u>28,423.70</u> MCF during the 12 month period the RA was in effect.	\$	<u>-</u>
8 Equals:	Balance Adjustment for the RA.	\$	<u>-</u>
(3)	Total Balance Adjustment used to compute RA of the GCR effective four quarters prior to the effective date of the currently effective GCR.		2022-00438 BA = -0.0016 29,852.00 = 11/01/2021 to 10/31/2022 sales 29852.00 X -0.0016
9		\$	<u>(47.76)</u>
10 Less:	Dollar amount resulting from the BA of <u>\$ (0.0016)</u> \$/MCF four quarters prior to the effective date of the currently effective GCR times the sales of		
11	<u>28,423.70</u> MCF during the 12 month period the BA was in effect.	\$	<u>(45.48)</u>
12 Equals:	Balance Adjustment for the BA.	\$	<u>(2.28)</u>
13	Total Balance Adjustment Amount (1) + (2) + (3)	\$	<u>214.53</u>
14	Divided B Sales for 12 months ended	\$	<u>28,423.70</u>
15 Equals:	Balance Adjustment for the Reporting Period.	\$/MCF	<u>0.0075</u>

Beginning September 1, 2022 by agreement with Sentra's source of natural gas, Sentra's cost of gas will be the NYMEX monthly close plus \$0.40 per dekatherm. There will be no additional transport fee.

Supplier Invoice

	MCF	MMBTU	Heat Rate
Nov 22	7695	8306	1.0794
Dec	11903	12764	1.0723
Jan	11802	12689	1.0752
Feb	7809	8397	1.0753
Mar	8631	9275	1.0746
Apr	4922	5280	1.0727
May	2123	2269	1.0688
Jun	1271	1362	1.0716
July	740	794	1.0730
Aug	933	1003	1.0750
Sept	1739	1863	1.0713
Oct 23	3585	3862	1.0773
	63153	67864	1.0746



MONTH	LAST	PRIOR SETTLE	OPEN	HIGH	LOW	VOLUME	UPDATED
<b>FEB 2024</b> NGG4	2.264	2.240	2.225	2.269	2.187	13,172	07:01:36 CT 13 Dec 2023
<b>MAR 2024</b> NGH4	2.166	2.138	2.129	2.170	2.098	7,759	07:01:16 CT 13 Dec 2023
<b>APR 2024</b> NGJ4	2.163	2.135	2.143	2.166	2.102	5,281	07:01:20 CT 13 Dec 2023

**Average: 2.1653**



Month	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Jan	4.709	4.024	2.467	2.158	3.642	2.738	3.930	2.372	3.189	4.407
Feb	3.109	6.265	2.760	1.877	2.950	3.631	3.391	2.189	2.866	5.557
Mar	2.451	4.568	2.854	1.821	2.855	2.639	2.627	1.711	2.894	4.855
Apr	1.991	5.336	2.586	1.634	2.713	2.691	3.175	1.903	2.590	4.584
May	2.117	7.267	2.925	1.794	2.566	2.821	3.142	1.995	2.517	4.795
Jun	2.181	8.908	2.984	1.722	2.633	2.875	3.236	1.963	2.815	4.619
Jul	2.603	6.551	3.617	1.495	2.291	2.996	3.067	2.917	2.773	4.400
Aug	2.492	8.687	4.044	1.854	2.141	2.822	2.969	2.672	2.886	3.808
Sep	2.556	9.353	4.370	2.579	2.251	2.895	2.961	2.853	2.638	3.957
Oct	2.764	6.868	5.841	2.101	2.428	3.021	2.974	2.952	2.563	3.984

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

P.O. BOX 670  
SMITHVILLE, TN 37166

Sentra Corporation  
112 Orchard Lane  
Thompkinsville, KY 42167

Billing Date: 09/01/23

Location ID: 022726  
Customer ID: 080659

Meter Readings (MCF)	Fountain Run	Gamaliel	Meters off 8"
07/31/23	213,382	175.1	
08/31/23	<u>213,537</u>	<u>256.5</u>	
	155	81.4	2.3

<u>238,700</u> Cu. Ft.	=	<u>2,387</u>	CCF
<u>2,387</u> CCF X BTU Factor	<u>1.073</u>	=	<u>2,561</u> Therms
<u>256</u> Dth X NYMEX EOM	\$ 2.492 /Dth	\$	<u>638.20</u>
<u>256</u> Dth X MTNGUD Charge	\$ 0.400 /Dth	\$	<u>102.44</u>

Sub-Total \$ 740.64

NET BILL DUE NOW \$ 740.64

10% Penalty if Paid after 09/25/23 \$ 63.82

Gross Bill Due if Paid after 09/25/23 \$ 804.46

**MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT**

P.O. BOX 670  
SMITHVILLE, TN 37166

Sentra Corporation  
112 Orchard Lane  
Thompkinsville, KY 42167

Billing Date: 10/01/23

Location ID: 022726  
Customer ID: 080659

<u>Meter Readings (MCF)</u>	<u>Fountain Run</u>	<u>Gamaliel</u>	<u>Meters off 8"</u>
08/31/23	213,537	256.5	
09/30/23	<u>214,055</u>	<u>336.7</u>	
	518	80.2	2.1

<u>600,300</u> Cu. Ft.	=	<u>6,003</u>	CCF
<u>6,003</u> CCF X BTU Factor	=	<u>6,453</u>	Therms
<u>645</u> Dth X NYMEX EOM	\$ 2.556 /Dth	<u>\$ 1,649.39</u>	
<u>645</u> Dth X MTNGUD Charge	\$ 0.400 /Dth	<u>\$ 258.12</u>	

Sub-Total \$ 1,907.51

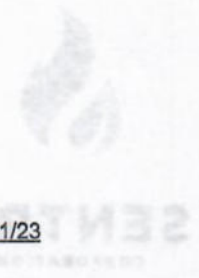
**NET BILL DUE NOW** \$ **1,907.51**

10% Penalty if Paid after 10/25/23 \$ 164.94

Gross Bill Due if Paid after 10/25/23 \$ **2,072.45**



**MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT**  
P.O. BOX 870  
SMITHVILLE, TN 37166



**Sentra Corporation**  
112 Orchard Lane  
Thompkinsville, KY 42167

Billing Date: 11/01/23

Location ID: 022726  
Customer ID: 080659

<u>Meter Readings (MCF)</u>	<u>Fountain Run</u>	<u>Gamaliel</u>	<u>Meters off 8"</u>
09/30/23	214,055	336.7	
10/31/23	<u>215,343</u>	<u>477.8</u>	
	1,288	141.1	10.8

<u>1,439,900</u> Cu. Ft.	=	<u>14,399</u>	CCF
<u>14,399</u> CCF X BTU Factor	<u>1.071</u>	=	<u>15,421</u> Therms
<u>1,542</u> Dth X NYMEX EOM	\$ 2.764 /Dth	\$	<u>4,262.36</u>
<u>1,542</u> Dth X MTNGUD Charge	\$ 0.400 /Dth	\$	<u>616.84</u>

Sub-Total \$ 4,879.20

**NET BILL DUE NOW** \$ 4,879.20

10% Penalty if Paid after 11/25/23 \$ 426.24

Gross Bill Due if Paid after 11/25/23 \$ 5,305.44

**Texas Eastern Transmission, LP  
Station Daily Volume Report**



**Station:** 73161 - Middle TN Gas Monroe Co, KY

**Period:** 8/1/2023 To 9/1/2023      **Closed Date:** N/A

**Analyst:** Zachary Teykl      **Phone:**

Gas Date	Vol @ 14.730 PSI (MCF)	BTU (BTU(IT)/CF)	Energy (MMBTU(IT))
8/01/2023	40	1069.116	43
8/02/2023	32	1068.796	34
8/03/2023	33	1069.651	35
8/04/2023	30	1071.057	32
8/05/2023	23	1071.184	25
8/06/2023	24	1072.776	25
8/07/2023	28	1071.487	30
8/08/2023	32	1068.064	34
8/09/2023	25	1072.433	27
8/10/2023	26	1079.520	29
8/11/2023	23	1077.167	25
8/12/2023	23	1074.440	25
8/13/2023	23	1075.801	25
8/14/2023	23	1074.097	25
8/15/2023	28	1074.818	30
8/16/2023	42	1075.318	45
8/17/2023	45	1074.781	48
8/18/2023	46	1073.865	50
8/19/2023	30	1073.838	33
8/20/2023	23	1075.001	25
8/21/2023	22	1071.492	23
8/22/2023	21	1071.382	23
8/23/2023	21	1073.134	23
8/24/2023	24	1072.146	26
8/25/2023	23	1066.745	24
8/26/2023	21	1065.319	22
8/27/2023	23	1066.717	25
8/28/2023	29	1066.368	31
8/29/2023	45	1063.142	48
8/30/2023	53	1066.016	57
8/31/2023	52	1072.132	56
<b>Total</b>	<b>933</b>	<b>N/A</b>	<b>1,003</b>
<b>Daily Avg</b>	<b>30</b>	<b>1,071.542</b>	<b>32</b>
<b>Daily Min</b>	<b>21</b>	<b>1,063.142</b>	<b>22</b>
<b>Daily Max</b>	<b>53</b>	<b>1,079.520</b>	<b>57</b>

**Texas Eastern Transmission, LP  
Station Daily Volume Report**



**Station:** 73161 - Middle TN Gas Monroe Co, KY

**Period:** 9/1/2023 To 9/30/2023      **Closed Date:** N/A

**Analyst:** Zachary Teykl

**Phone:**

Gas Date	Vol @ 14.730 PSI (MCF)	BTU (BTU(IT))/CF	Energy (MMBTU(IT))
9/01/2023	30	1070.026	33
9/02/2023	33	1070.649	36
9/03/2023	30	1070.892	32
9/04/2023	24	1072.539	26
9/05/2023	33	1070.285	35
9/06/2023	43	1071.814	46
9/07/2023	61	1073.915	66
9/08/2023	52	1072.925	56
9/09/2023	36	1073.025	38
9/10/2023	66	1074.115	71
9/11/2023	42	1073.711	45
9/12/2023	60	1072.688	64
9/13/2023	94	1074.113	100
9/14/2023	82	1075.168	88
9/15/2023	55	1075.438	59
9/16/2023	50	1070.894	53
9/17/2023	90	1069.832	96
9/18/2023	87	1071.466	93
9/19/2023	84	1071.935	90
9/20/2023	65	1070.744	70
9/21/2023	72	1070.181	77
9/22/2023	53	1069.358	57
9/23/2023	82	1070.395	88
9/24/2023	51	1070.153	54
9/25/2023	63	1070.381	67
9/26/2023	45	1071.021	48
9/27/2023	60	1072.441	64
9/28/2023	80	1070.050	86
9/29/2023	58	1072.042	63
9/30/2023	58	1072.633	62
<b>Total</b>	<b>1,739</b>	<b>N/A</b>	<b>1,863</b>
<b>Daily Avg</b>	<b>58</b>	<b>1,071.828</b>	<b>62</b>
<b>Daily Min</b>	<b>24</b>	<b>1,069.358</b>	<b>26</b>
<b>Daily Max</b>	<b>94</b>	<b>1,075.438</b>	<b>100</b>



**Texas Eastern Transmission, LP  
Station Daily Volume Report**



**Station:** 73161 - Middle TN Gas Monroe Co, KY

**Period:** 10/1/2023 To 11/1/2023    **Closed Date:** N/A

**Analyst:** Zachary Teykl

**Phone:**

Gas Date	Vol @ 14.730 PSI (MCF)	BTU (BTU(IT)/CF)	Energy (MMBTU(IT))
10/01/2023	54	1074.468	58
10/02/2023	48	1074.622	51
10/03/2023	44	1073.303	47
10/04/2023	36	1075.873	39
10/05/2023	39	1076.686	42
10/06/2023	111	1073.832	119
10/07/2023	188	1072.803	202
10/08/2023	142	1074.149	153
10/09/2023	140	1076.296	151
10/10/2023	147	1076.994	158
10/11/2023	85	1079.062	91
10/12/2023	69	1075.562	74
10/13/2023	45	1076.758	49
10/14/2023	95	1075.925	103
10/15/2023	152	1077.803	164
10/16/2023	146	1079.033	157
10/17/2023	150	1075.383	162
10/18/2023	112	1075.829	120
10/19/2023	70	1077.848	76
10/20/2023	145	1076.692	156
10/21/2023	103	1077.263	111
10/22/2023	149	1081.659	162
10/23/2023	109	1080.392	118
10/24/2023	82	1076.238	88
10/25/2023	100	1074.408	108
10/26/2023	62	1078.597	67
10/27/2023	66	1079.576	72
10/28/2023	44	1079.423	47
10/29/2023	86	1074.973	92
10/30/2023	349	1073.335	375
10/31/2023	417	1079.047	450
<b>Total</b>	<b>3,585</b>	<b>N/A</b>	<b>3,862</b>
<b>Daily Avg</b>	<b>116</b>	<b>1,076.575</b>	<b>125</b>
<b>Daily Min</b>	<b>36</b>	<b>1,072.803</b>	<b>39</b>
<b>Daily Max</b>	<b>417</b>	<b>1,081.659</b>	<b>450</b>

**Usage Report**

From: 08/01/2023 Through: 08/31/2023

Sorted By: Account Number

	Service	Measure	Act Usage	Bill Usage	Adj Usage	Adj Amt	Charges
<b>Grand Totals</b>							
	GAS	Cubic	0	0	0	0.00	1085.00
	GAS	Gallons	0	0	0	0.00	3389.00
	BASE RATE	Cubic	330.4	330.4	0	0.00	5555.68
	GAS RECOVER	Cubic	330.4	330.4	0	0.00	755.81
	Number of Accounts		191				
	Number of Locations		192				
	Account/Location Combinations		192				

**Usage Report**

From: 09/01/2023 Through: 09/30/2023

Sorted By: Account Number

	Service	Measure	Act Usage	Bill Usage	Adj Usage	Adj Amt	Charges
<b>Grand Totals</b>							
	GAS	Cubic	0	0	0	0.00	1085.00
	GAS	Gallons	0	0	0	0.00	3407.00
	BASE RATE	Cubic	603.4	603.4	0	0.00	10142.59
	GAS RECOVE	Cubic	603.4	603.4	0	0.00	1380.39
	Number of Accounts		190				
	Number of Locations		191				
	Account/Location Combinations		191				



**Usage Report**

From: 10/01/2023 Through: 10/31/2023

Sorted By: Account Number

	Service	Measure	Act Usage	Bill Usage	Adj Usage	Adj Amt	Charges
<b>Grand Totals</b>							
	GAS	Cubic	0	0	0	0.00	1085.00
	GAS	Gallons	0	0	0	0.00	3497.00
	BASE RATE	Cubic	1480.6	1480.6	0	0.00	23915.08
	GAS RECOVE	Cubic	1480.6	1480.6	0	0.00	3387.06
Number of Accounts			195				
Number of Locations			196				
Account/Location Combinations			196				