

Sentra Corporation

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

Date Filed:

March 28, 2024

Date Rates to be Effective:

May 1, 2024

Reporting Period is Calendar Quarter Ended:

January 31, 2024

**SCHEDULE I
GAS COST RECOVERY RATE SUMMARY**

<u>Component</u>	<u>Unit</u>	<u>Amount</u>
Expected Gas Cost (EGC)	\$/Mcf	2.5274
+ Refund Adjustment (RA)	\$/Mcf	-
+ Actual Adjustment (AA)	\$/Mcf	(0.5703)
+ Balance Adjustment (BA)	\$/Mcf	0.0850
= Gas Cost Recovery Rate (GCR)	\$/Mcf	2.0421

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

A. EXPECTED GAS COST CALCULATION

	<u>Unit</u>	
Total Expected Gas Cost (Schedule II)	\$	81,108.45
+ Sales for the 12 months ended	Mcf	32,091.40
- Expected Gas Cost (EGC)	\$/Mcf	2.5274

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	\$ -
= Refund Adjustment (RA)	\$/Mcf	\$ -

C. ACTUAL ADJUSTMENT CALCULATION

	<u>Unit</u>	
Actual Adjustment for the Reporting Period (Schedule IV)	\$/Mcf	\$ (0.2560)
+ Previous Quarter Reported Actual Adjustment	\$/Mcf	\$ 0.0156 2023-00426
+ Second Previous Quarter Reported Actual Adjustment	\$/Mcf	\$ (0.0011) 2023-00328
+ Third Previous Quarter Reported Actual Adjustment	\$/Mcf	\$ (0.3288) 2023-00219
= Actual Adjustment (AA)	\$/Mcf	\$ (0.5703)

D. BALANCE ADJUSTMENT CALCULATION

	<u>Unit</u>	
Balance Adjustment for the Reporting Period (Schedule V)	\$/Mcf	\$ 0.0520
+ Previous Quarter Reported Balance Adjustment	\$/Mcf	\$ 0.0075 2023-00426
+ Second Previous Quarter Reported Balance Adjustment	\$/Mcf	\$ (0.0009) 2023-00328
+ Third Previous Quarter Reported Balance Adjustment	\$/Mcf	\$ 0.0264 2023-00219
= Balance Adjustment (BA)	\$/Mcf	\$ 0.0850

SCHEDULE II
EXPECTED GAS COST

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Actual* Mcf Purchase for 12 months ended

1/31/2024

	(1) Supplier	(2) NYMEX Dth	(3) Heat Rate	(4) Mcf	(5) ** Rate	(6) Gas Cost Adder (\$0.40/dth)	(7) Transport Fee	(8) (4)x[(5)+(6)+(7)] Cost
					=(2)x(3)			
Feb	Middle Tennessee NG	1.9548	1.0733	3834.60	2.0981	0.4293	0.0000	9,691.64
Mar	Middle Tennessee NG	1.9548	1.0733	3986.00	2.0981	0.4293	0.0000	10,074.30
Apr	Middle Tennessee NG	1.9548	1.0733	2336.70	2.0981	0.4293	0.0000	5,905.82
May	Middle Tennessee NG	1.9548	1.0733	1319.20	2.0981	0.4293	0.0000	3,334.17
Jun	Middle Tennessee NG	1.9548	1.0733	435.10	2.0981	0.4293	0.0000	1,099.68
July	Middle Tennessee NG	1.9548	1.0733	116.40	2.0981	0.4293	0.0000	294.19
Aug	Middle Tennessee NG	1.9548	1.0733	330.40	2.0981	0.4293	0.0000	835.06
Sept	Middle Tennessee NG	1.9548	1.0733	603.40	2.0981	0.4293	0.0000	1,525.05
October	Middle Tennessee NG	1.9548	1.0733	1480.60	2.0981	0.4293	0.0000	3,742.10
Nov	Middle Tennessee NG	1.9548	1.0733	3349.90	2.0981	0.4293	0.0000	8,466.60
Dec	Middle Tennessee NG	1.9548	1.0733	4872.90	2.0981	0.4293	0.0000	12,315.86
Jan	Middle Tennessee NG	1.9548	1.0733	9426.20	2.0981	0.4293	0.0000	23,823.97
	Totals			32,091.40				81,108.45

Line losses are Unknown for 12 months ended 1/31/2024 based on purchases of 32,091.40 Mcf and sales of 32,091.40

	Unit	Amount
Total Expected Cost of Purchases (6) (to Schedule IA.)	\$	\$ 81,108.45
Expected Mcf Purchases (4)	Mcf	<u>32,091.40</u>
= Average Expected Cost Per Mcf Purchased	\$/Mcf	\$ 2.5274
Plus: Expected Losses of _____ (not to exceed 5%)	Mcf	<u>32,091.40</u>
= Total Expected Gas Cost	\$	\$ 81,108.45

*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 _____ 1/31/2024	Mcf	32,091.40
<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 January 31, 2024

Particulars	Unit	Month 1	Month 2	Month 3	
		Nov-23	Dec-23	Jan-24	
Total Supply Volumes Purchased	Mcf	3,407.6	5,048.1	9,543.5	
Total Cost of Volumes Purchased	\$	13,079.88	16,839.80	30,915.16	
/ Total Sales *	Mcf	3,349.9	4,872.9	9,426.2	
= Unit Cost of Gas	\$/Mcf	\$3.9046	\$3.4558	\$3.2797	
Transport Fee	\$/Mcf	\$0.0000	\$0.0000	\$0.0000	
Total Unit Cost of Gas	\$/Mcf	\$3.9046	\$3.4558	\$3.2797	
- EGC in Effect for Month	\$/Mcf	\$3.9125	\$3.9125	\$3.9125	Approved in 2023-00328
= Difference	\$/Mcf	(\$0.0079)	(\$0.4567)	(\$0.6328)	
x Actual Sales during Month	Mcf	3,349.9	4,872.9	9,426.2	
= Monthly Cost Difference	\$	(\$27)	(\$2,225)	(\$5,965)	
Total Cost Difference			\$	(\$8,216.87)	
/ Sales for 12 months ended			Mcf	32,091.40	
= Actual Adjustment for the Reporting Period				(\$0.2560)	

* May not be less than 95% of supply volume

SCHEDULE V
BALANCE ADJUSTMENT

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For the 3 month period ended 1/31/2024

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.		29,423.70 = 02/01/2022 to 01/31/2023 sales AA = -0.6271 29,423.70 X -0.6271
1		\$	<u>(18,451.60)</u>
2 Less:	Dollars amount resulting from the AA of <u>\$ (0.6271)</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 -0.6271 on order 2023-00103 Effective May 1, 2023
3	<u>32,091.40</u> MCF during the 12 month period the AA was in effect.	\$	<u>(20,124.52)</u>
4 Equals:	Balance Adjustment for the AA.	\$	<u>1,672.92</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.		2023-00103 effective May 1, 2023 12 months prior to start of this order May 1, 2024
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>32,091.40</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.		2023-00103 BA = 0.0015 29,423.70 = 02/01/2022 to 01/31/2023 sales 29,423.70 X 0.0015
9		\$	<u>44.14</u>
10 Less:	Dollar amount resulting from the BA of <u>\$ 0.0015</u> /MCF four quarters prior to the effective date of the currently effective GCR times the sales of		
11	<u>32,091.40</u> MCF during the 12 month period the BA was in effect.	\$	<u>48.14</u>
12 Equals:	Balance Adjustment for the BA.	\$	<u>(4.00)</u>
13	Total Balance Adjustment Amount (1) + (2) + (3)	\$	<u>1668.91</u>
14	Divided B Sales for 12 months ended	\$	<u>32,091.40</u>
15 Equals:	Balance Adjustment for the Reporting Period.	\$/MCF	<u>0.0520</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	
Feb 23	7809	8397	1.0753	1.783
Mar	8631	9275	1.0746	1.968
Apr	4922	5280	1.0727	2.172
May	2123	2269	1.0688	1.74
Jun	1271	1362	1.0716	1.93
Jul	740	794	1.0730	2.136
Aug	933	1003	1.0750	
Sept	1739	1863	1.0713	1.9548
Oct	3585	3862	1.0773	
Nov	7661	8227	1.0739	
Dec	13553	14543	1.0730	
Jan 24	19479	20882	1.0720	
	72446	77757	1.0733	

Texas Eastern Transmission, LP
Station Daily Volume Report



Station: 73161 - Middle TN Gas Monroe Co, KY

Period: 1/1/2024 To 2/1/2024

Closed Date: N/A

Analyst: Zachary Teykl

Phone:

Gas Date	Vol @ 14.730 PSI (MCF)	BTU (BTU(IT)/CF)	Energy (MMBTU(IT))
1/01/2024	612	1071.583	656
1/02/2024	649	1071.650	696
1/03/2024	643	1071.108	689
1/04/2024	744	1070.695	796
1/05/2024	472	1071.757	505
1/06/2024	457	1070.749	489
1/07/2024	606	1073.170	650
1/08/2024	366	1072.843	393
1/09/2024	563	1072.016	604
1/10/2024	622	1072.732	667
1/11/2024	406	1072.431	435
1/12/2024	628	1071.852	673
1/13/2024	719	1071.560	770
1/14/2024	944	1072.676	1012
1/15/2024	1087	1072.181	1166
1/16/2024	1205	1071.854	1291
1/17/2024	945	1074.661	1016
1/18/2024	689	1074.337	740
1/19/2024	1045	1072.657	1121
1/20/2024	1141	1073.833	1226
1/21/2024	857	1071.771	919
1/22/2024	525	1070.373	562
1/23/2024	269	1070.589	288
1/24/2024	166	1069.686	178
1/25/2024	158	1069.090	169
1/26/2024	265	1071.942	284
1/27/2024	373	1072.172	400
1/28/2024	607	1069.798	650
1/29/2024	664	1070.645	710
1/30/2024	438	1070.482	469
1/31/2024	614	1070.757	658
2/01/2024	45	1069.913	48
Total	19,524	N/A	20,930
Daily Avg	610	1,071.674	654
Daily Min	45	1,069.090	48
Daily Max	1,205	1,074.661	1,291

19,479
MCF

20,882
MMBTU

Month 2016	2024 2015	2023	2022	2021	2020	2019	2018	2017
Jan 2.372	2.619 3.189	4.709	4.024	2.467	2.158	3.642	2.738	3.930
Feb 2.189	2.490 2.866	3.109	6.265	2.760	1.877	2.950	3.631	3.391
Mar 1.711	1.615 2.894	2.451	4.568	2.854	1.821	2.855	2.639	2.627
Apr 1.903	2.590	1.991	5.336	2.586	1.634	2.713	2.691	3.175
May 1.995	2.517	2.117	7.267	2.925	1.794	2.566	2.821	3.142
Jun 1.963	2.815	2.181	8.908	2.984	1.722	2.633	2.875	3.236
Jul 2.917	2.773	2.603	6.551	3.617	1.495	2.291	2.996	3.067
Aug 2.672	2.886	2.492	8.687	4.044	1.854	2.141	2.822	2.969
Sep 2.853	2.638	2.556	9.353	4.370	2.579	2.251	2.895	2.961
Oct 2.952	2.563	2.764	6.868	5.841	2.101	2.428	3.021	2.974
Nov 2.764	2.033	3.164	5.186	6.202	2.996	2.597	3.185	2.752
Dec 3.232	2.206	2.706	6.712	5.447	2.896	2.470	4.715	3.074

MONTH	LAST	PRIOR SETTLE	OPEN	HIGH	LOW	VOLUME	UPDATED
MAY 2024 NGK4	1.771	1.810	1.751	1.783	1.740	2,373	07:09:20 CT 19 Feb 2024
JUN 2024 NGM4	1.954	1.995	1.954	1.968	1.930	1,005	07:05:52 CT 19 Feb 2024
JUL 2024 NGN4	2.159	2.201	2.146	2.172	2.136	869	07:08:45 CT 19 Feb 2024

Avg = 1,9548

Usage Report

From: 11/01/2023 Through: 11/30/2023

Sorted By: Account Number

	Service	Measure	Act Usage	Bill Usage	Adj Usage	Adj Amt	Charges
Grand Totals							
	GAS	Cubic	0	0	0	0.00	1085.00
	GAS	Gallons	0	0	0	0.00	3623.00
	BASE RATE	Cubic	3349.9	3349.9	0	0.00	53452.79
	GAS RECOVE	Cubic	3349.9	3349.9	0	0.00	10494.26
	Number of Accounts		202				
	Number of Locations		203				
	Account/Location Combinations		203				

Usage Report

From: 12/01/2023 Through: 12/31/2023

Sorted By: Account Number

	Service	Measure	Act Usage	Bill Usage	Adj Usage	Adj Amt	Charges
Grand Totals							
	GAS	Cubic	0	0	0	0.00	1085.00
	GAS	Gallons	0	0	0	0.00	3693.00
	BASE RATE	Cubic	4872.9	4872.9	0	0.00	76983.71
	GAS RECOVER	Cubic	4872.9	4872.9	0	0.00	15265.39
	Number of Accounts		204				
	Number of Locations		205				
	Account/Location Combinations		205				

Usage Report

From: 01/01/2024 Through: 01/31/2024

Sorted By: Account Number

	Service	Measure	Act Usage	Bill Usage	Adj Usage	Adj Amt	Charges
Grand Totals							
	GAS	Cubic	0	0	0	0.00	1085.00
	GAS	Gallons	0	0	0	0.00	3711.00
	BASE RATE	Cubic	9426.2	9426.2	0	0.00	147029.60
	GAS RECOVE	Cubic	9426.2	9426.2	0	0.00	29529.45
	Number of Accounts		205				
	Number of Locations		206				
	Account/Location Combinations		206				

Scheduled ESB
12/22/23

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT
P.O. BOX 670
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>
10/31/23	215,343	477.8	
11/30/23	<u>218,327</u>	<u>855.2</u>	
	2,984	377.4	46.2

<u>3,407,600</u> Cu. Ft.	=	<u>34,076</u>	CCF
<u>34,076</u> CCF X BTU Factor	=	<u>36,700</u>	Therms
<u>3,670</u> Dth X NYMEX EOM	\$ 3.164 /Dth	<u>\$ 11,611.88</u>	
<u>3,670</u> Dth X MTNGUD Charge	\$ 0.400 /Dth	<u>\$ 1,468.00</u>	

Sub-Total \$ 13,079.88

NET BILL DUE NOW \$ **13,079.88**

10% Penalty if Paid after 11/25/23 \$ 1,161.19

Gross Bill Due if Paid after 11/25/23 \$ 14,241.07

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

P.O. BOX 670
SMITHVILLE, TN 37166

Sentra Corporation
112 Orchard Lane
Thompkinsville, KY 42167

Billing Date: 01/01/24

Location ID: 022726
Customer ID: 080659

Meter Readings (MCF)	Fountain Run	Gamalie	Meters off 8"
11/30/23	218,327	855.2	
12/31/23	222,642	1,514.0	
	4,315	658.8	74.3

5,048,100 Cu. Ft.	=	50,481	CCF
50,481 CCF X BTU Factor	1.074	=	54,217 Therms
5,422 Dth X NYMEX EOM	\$ 2.706 /Dth	\$ 14,671.12	
5,422 Dth X MTNGUD Charge	\$ 0.400 /Dth	\$ 2,168.68	

Sub-Total \$ 16,839.80

NET BILL DUE NOW \$ 16,839.80

10% Penalty if Paid after 01/25/24 \$ 1,467.11

Gross Bill Due if Paid after 01/25/24 \$ 18,306.91

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
Feb 23	7809	8397	1.0753
Mar	8631	9275	1.0746
Apr	4922	5280	1.0727
May	2123	2269	1.0688
Jun	1271	1362	1.0716
Jul	740	794	1.0730
Aug	933	1003	1.0750
Sept	1739	1863	1.0713
Oct	3585	3862	1.0773
Nov	7661	8227	1.0739
Dec	13553	14543	1.0730
Jan 24	19524	20930	1.0720
	72491	77805	1.0733

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT
P.O. BOX 670
SMITHVILLE, TN 37166

Sentra Corporation
112 Orchard Lane
Thompkinsville, KY 42167

Billing Date: 02/01/24

Location ID: 022726
Customer ID: 080659

<u>Meter Readings (MCF)</u>	<u>Fountain Run</u>	<u>Gamaliel</u>	<u>Meters off 8"</u>
12/31/23	222,642	1,514.0	
01/31/24	<u>230,695</u>	<u>2,871.0</u>	
	8,053	1,357.0	133.5

<u>9,543,500</u> Cu. Ft.	=	<u>95,435</u>	CCF
<u>95,435</u> CCF X BTU Factor	=	<u>102,402</u>	Therms
<u>10,240</u> Dth X NYMEX EOM	\$ 2.619 /Dth	<u>\$ 26,819.08</u>	
<u>10,240</u> Dth X MTNGUD Charge	\$ 0.400 /Dth	<u>\$ 4,096.08</u>	

Sub-Total \$ 30,915.16

NET BILL DUE NOW \$ 30,915.16

10% Penalty if Paid after 02/25/24 \$ 2,681.91

Gross Bill Due if Paid after 02/25/24 \$ 33,597.07

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



Station: 73161 - Middle TN Gas Monroe Co, KY

Period: 11/1/2023 To 12/1/2023 **Closed Date:** N/A

Analyst: Zachary Teykl

Phone:

Gas Date	Vol @ 14.730 PSI (MCF)	BTU (BTU(IT)/CF)	Energy (MMBTU(IT))
11/01/2023	426	1081.073	460
11/02/2023	355	1075.115	382
11/03/2023	261	1071.594	280
11/04/2023	210	1074.659	226
11/05/2023	232	1074.361	249
11/06/2023	100	1075.406	107
11/07/2023	94	1074.896	102
11/08/2023	38	1073.469	40
11/09/2023	118	1072.133	126
11/10/2023	236	1072.387	253
11/11/2023	243	1073.275	261
11/12/2023	252	1074.120	270
11/13/2023	237	1074.286	255
11/14/2023	213	1073.006	229
11/15/2023	129	1071.989	139
11/16/2023	94	1073.454	101
11/17/2023	126	1072.243	135
11/18/2023	336	1073.328	361
11/19/2023	219	1073.979	236
11/20/2023	117	1074.095	125
11/21/2023	213	1072.239	228
11/22/2023	413	1073.507	443
11/23/2023	272	1073.572	292
11/24/2023	276	1074.825	297
11/25/2023	232	1075.142	249
11/26/2023	345	1074.223	371
11/27/2023	505	1072.681	541
11/28/2023	654	1072.733	702
11/29/2023	454	1072.423	487
11/30/2023	261	1072.244	280
Total	7,661	N/A	8,227
Daily Avg	255	1,073.749	274
Daily Min	38	1,071.594	40
Daily Max	654	1,081.073	702

1.074

Texas Eastern Transmission, LP
Station Daily Volume Report



Station: 73161 - Middle TN Gas Monroe Co, KY
 Period: 12/1/2023 To 1/1/2024 Closed Date: N/A
 Analyst: Zachary Teykl Phone:

Gas Date	Vol @ 14.730 PSI (MCF)	BTU @ 14.730 PSI (BTU(IT)/CF)	Rep Energy (MMBTU(IT))
12/01/2023	186	1071.609	199
12/02/2023	181	1074.798	195
12/03/2023	349	1075.356	375
12/04/2023	366	1073.488	393
12/05/2023	407	1073.848	437
12/06/2023	545	1075.577	586
12/07/2023	360	1073.012	386
12/08/2023	175	1074.859	188
12/09/2023	225	1076.774	242
12/10/2023	563	1075.582	603
12/11/2023	565	1074.792	607
12/12/2023	474	1071.922	508
12/13/2023	423	1071.465	454
12/14/2023	439	1072.265	470
12/15/2023	381	1074.379	409
12/16/2023	282	1073.323	303
12/17/2023	490	1071.780	525
12/18/2023	778	1072.119	834
12/19/2023	734	1071.922	786
12/20/2023	581	1073.390	624
12/21/2023	526	1072.659	565
12/22/2023	389	1072.714	418
12/23/2023	303	1072.191	325
12/24/2023	188	1073.983	202
12/25/2023	224	1072.947	240
12/26/2023	554	1074.634	596
12/27/2023	536	1072.093	575
12/28/2023	569	1071.567	610
12/29/2023	591	1071.796	633
12/30/2023	637	1072.106	683
12/31/2023	532	1072.310	571
1/01/2024	553	1071.364	597
Total	14,111	N/A	15,140
Daily Avg	441	1,073.210	473
Daily Min	175	1,071.465	188
Daily Max	778	1,076.774	834

1355 328

14543

1.073