

Sentra Corporation

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

Date Filed:

January 22, 2025

Date Rates to be Effective:

February 1, 2025

Reporting Period is Calendar Quarter Ended:

October 31, 2024

**SCHEDULE I
GAS COST RECOVERY RATE SUMMARY**

<u>Component</u>	<u>Unit</u>	<u>Amount</u>
Expected Gas Cost (EGC)	\$/Mcf	4.4760
+ Refund Adjustment (RA)	\$/Mcf	-
+ Actual Adjustment (AA)	\$/Mcf	(1.5529)
+ Balance Adjustment (BA)	\$/Mcf	0.0767
= Gas Cost Recovery Rate (GCR)	\$/Mcf	2.9998

GCR to be effective for service rendered from February 1, 2025

A. EXPECTED GAS COST CALCULATION

	<u>Unit</u>	
Total Expected Gas Cost (Schedule II)	\$	143,773.09
+ Sales for the 12 months ended	Mcf	32,120.60
- Expected Gas Cost (EGC)	\$/Mcf	4.4760

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	\$ (0.6215)
+ Previous Quarter Reported Actual Adjustment	\$/Mcf	\$ (0.6295) 2024-00306
+ Second Previous Quarter Reported Actual Adjustment	\$/Mcf	\$ (0.0459) 2024-00208
+ Third Previous Quarter Reported Actual Adjustment	\$/Mcf	\$ (0.2560) 2023-00073
=Actual Adjustment (AA)	\$/Mcf	\$ (1.5529)

D. BALANCE ADJUSTMENT CALCULATION

	<u>Unit</u>	
Balance Adjustment for the Reporting Period (Schedule V)	\$/Mcf	\$ (0.0027)
+ Previous Quarter Reported Balance Adjustment	\$/Mcf	\$ 0.0002 2024-00306
+ Second Previous Quarter Reported Balance Adjustment	\$/Mcf	\$ 0.0272 2024-00208
+ Third Previous Quarter Reported Balance Adjustment	\$/Mcf	\$ 0.0520 2023-00073
=Balance Adjustment (BA)	\$/Mcf	\$ 0.0767

SCHEDULE II
EXPECTED GAS COST

Appendix B
Page 3

Actual* Mcf Purchase for 12 months ended

10/31/2024

	(1) Supplier	(2) NYMEX Dth	(3) Heat Rate	(4) Mcf	(5) ** Rate	(6) Gas Cost Adder (\$0.40/dth)	(7) Transport Fee	(8) $(4) \times [(5) + (6) + (7)]$ Cost
					$=(2) \times (3)$			
Nov	Middle Tennessee NG	3.7985	1.0661	3349.90	4.0496	0.4264	0.0000	14,994.29
Dec	Middle Tennessee NG	3.7985	1.0661	4872.90	4.0496	0.4264	0.0000	21,811.30
Jan	Middle Tennessee NG	3.7985	1.0661	9426.20	4.0496	0.4264	0.0000	42,192.05
Feb	Middle Tennessee NG	3.7985	1.0661	4351.00	4.0496	0.4264	0.0000	19,475.25
Mar	Middle Tennessee NG	3.7985	1.0661	3000.60	4.0496	0.4264	0.0000	13,430.81
Apr	Middle Tennessee NG	3.7985	1.0661	2112.80	4.0496	0.4264	0.0000	9,456.98
May	Middle Tennessee NG	3.7985	1.0661	808.60	4.0496	0.4264	0.0000	3,619.33
Jun	Middle Tennessee NG	3.7985	1.0661	418.60	4.0496	0.4264	0.0000	1,873.67
Jul	Middle Tennessee NG	3.7985	1.0661	1247.40	4.0496	0.4264	0.0000	5,583.41
Aug	Middle Tennessee NG	3.7985	1.0661	291.70	4.0496	0.4264	0.0000	1,305.66
Sept	Middle Tennessee NG	3.7985	1.0661	549.80	4.0496	0.4264	0.0000	2,460.93
Oct	Middle Tennessee NG	3.7985	1.0661	1691.10	4.0496	0.4264	0.0000	7,569.43
	Totals			32,120.60				143,773.09

Line losses are Unknown for 12 months ended 10/31/2024 based on purchases of 32,120.60 Mcf and sales of 32,120.60

	Unit	Amount
Total Expected Cost of Purchases (6) (to Schedule IA.)	\$	\$ 143,773.09
Expected Mcf Purchases (4)	Mcf	<u>32,120.60</u>
= Average Expected Cost Per Mcf Purchased	\$/Mcf	\$ 4.4760
Plus: Expected Losses of (not to exceed 5%) (D26/0.95) if line loss > 5%	Mcf	<u>32,120.60</u>
= Total Expected Gas Cost (J32*J33 if line loss)	\$	\$ 143,773.09

*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 _____ 10/31/2024	Mcf	32,120.60
<hr/>		
=Supplier Refund Adjustment for the Reporting Period (to Schedule IB.)	\$/Mcf	\$ -

SCHEDULE IV
ACTUAL ADJUSTMENT

Appendix B
Page 5

For the 12 month period ended October 31, 2024

Particulars	Unit	Month 1	Month 2	Month 3	
		Aug-24	Sep-24	Oct-24	
Total Supply Volumes Purchased	Mcf	1,216.8	491.4	1,799.5	
Total Cost of Volumes Purchased	\$	3,000.95	1,228.61	5,688.51	
/ Total Sales *	Mcf	4,351.0	3,000.6	2,112.8	
= Unit Cost of Gas	\$/Mcf	\$0.6897	\$0.4095	\$2.6924	
Transport Fee	\$/Mcf	\$0.0000	\$0.0000	\$0.0000	
Total Unit Cost of Gas	\$/Mcf	\$0.6897	\$0.4095	\$2.6924	
- EGC in Effect for Month	\$/Mcf	\$3.1572	\$3.1572	\$3.1572	Approved in 2024-00208
= Difference	\$/Mcf	(\$2.4675)	(\$2.7477)	(\$0.4648)	
x Actual Sales during Month	Mcf	4,351.0	3,000.6	2,112.8	
= Monthly Cost Difference	\$	(\$10,736)	(\$8,245)	(\$982)	
Total Cost Difference			\$	#####	
/ Sales for 12 months ended			Mcf	32,120.60	
= Actual Adjustment for the Reporting Period				(\$0.6215)	

* May not be less than 95% of supply volume

SCHEDULE V
BALANCE ADJUSTMENT

Appendix B
Page 6

For the 3 month period ended 10/31/2024

Line	Particulars	Unit	Amount
	Utility Gas Management		2023-00426
(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.		28423.70 = 11/01/2022 to 10/31/2023 sales AA = 0.0156
1		\$	<u>443.41</u> 28423.70 X -0.0156
2 Less:	Dollars amount resulting from the AA of <u>\$ 0.0156</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		
3	<u>32,120.60</u> MCF during the 12 month period the AA was in effect.	\$	<u>501.08</u>
4 Equals:	Balance Adjustment for the AA.	\$	<u>(57.67)</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.		2023-00426 effective February 1, 2023 12 months prior to start of this order February 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>32,120.60</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.		2023-00426 BA = 0.0075 28423.70 = 11/01/2022 to 10/31/2023 sales
9		\$	<u>213.18</u> 28423.70 X 0.0075
10 Less:	Dollar amount resulting from the BA of <u>\$ 0.0075</u> \$/MCF four quarters prior to the effective date of the currently effective GCR times the sales of		
11	<u>32,120.60</u> MCF during the 12 month period the BA was in effect.	\$	<u>240.90</u>
12 Equals:	Balance Adjustment for the BA.	\$	<u>(27.72)</u>
13	Total Balance Adjustment Amount (1) + (2) + (3)	\$	<u>(85.39)</u>
14	Divided B Sales for 12 months ended	\$	<u>32,120.60</u>
15 Equals:	Balance Adjustment for the Reporting Period.	\$/MCF	<u>(0.0027)</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	
				4.328
Nov 23	7661	8227	1.0739	4.018
Dec	13553	14543	1.0730	3.778
Jan	19524	20930	1.0720	3.501
Feb	10143	10845	1.0692	3.72
Mar	7655	7953	1.0389	3.446
Apr	3823	3958	1.0353	
May	1900	2035	1.0711	3.7985
Jun	978	1043	1.0665	
Jul	772	825	1.0687	
Aug	1724	1850	1.0731	
Sep	1127	1193	1.0586	
Oct	4389	4689	1.0684	
	73249	78091	1.0661	

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

P.O. BOX 670
SMITHVILLE, TN 37166

Sentra Corporation
112 Orchard Lane
Thompsonville, KY 42167

Billing Date: 11/01/24

Location ID: 022726
Customer ID: 080659

Meter Readings (MCF)	Fountain Run	Gamaliel	Meters off 8"
09/30/24	241,614	4,246.1	
10/31/24	243,295	4,347.8	
	1,681	101.7	16.6

1,799,500 Cu. Ft.	=	17,995	CCF
17,995 CCF X BTU Factor	=	19,057	Therms
1,906 Dth X NYMEX EOM	\$ 2.585 /Dth	\$ 4,926.23	
1,906 Dth X MTNGUD Charge	\$ 0.400 /Dth	\$ 762.28	

Sub-Total \$ 5,688.51

NET BILL DUE NOW \$ 5,688.51

10% Penalty if Paid after 11/25/24 \$ 492.62

Gross Bill Due if Paid after 11/25/24 \$ 6,181.13

Total	8,307	814	4,339
Daily Avg	142	1,085,477	131
Daily Min	33	1,034,413	79
Daily Max	299	1,077,151	421

pd 9/24/24

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

P.O. BOX 670
SMITHVILLE, TN 37166

Sentra Corporation
112 Orchard Lane
Thompkinsville, KY 42167

Billing Date: 09/03/24

Location ID: 022726

Customer ID: 080659

Meter Readings (MCF)	Fountain Run	Gamaliel	Meters off 8"
<u>07/31/24</u>	<u>239,997</u>	<u>4,160.7</u>	
<u>08/31/24</u>	<u>241,165</u>	<u>4,209.0</u>	
	<u>1,168</u>	<u>48.3</u>	<u>0.5</u>

<u>1,216,800</u> Cu. Ft.	=	<u>12,168</u>	CCF
<u>12,168</u> CCF X BTU Factor	=	<u>13,008</u>	Therms
<u>1,301</u> Dth X NYMEX EOM	\$ 1.907 /Dth	\$ 2,480.63	
<u>1,301</u> Dth X MTNGUD Charge	\$ 0.400 /Dth	\$ 520.32	

Sub-Total \$ 3,000.95

NET BILL DUE NOW \$ 3,000.95

10% Penalty if Paid after 09/27/24 \$ 248.06

Gross Bill Due if Paid after 09/27/24 \$ 3,249.01

Scheduled ESS

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

Sentra Corporation
112 Orchard Lane
Thompkinsville, KY 42167

Billing Date: 10/01/24

Location ID: 022726
Customer ID: 080659

Meter Readings (MCF)	Fountain Run	Gamaliel	Meters off 8"
08/31/24	241,165	4,209.0	
09/30/24	241,614	4,246.1	
	449	37.1	5.3

<u>491,400</u> Cu. Ft.	=	<u>4,914</u>	CCF
<u>4,914</u> CCF X BTU Factor	<u>1.073</u>	=	<u>5,273</u> Therms
<u>527</u> Dth X NYMEX EOM	\$ 1.930 /Dth	\$ 1,017.69	
<u>527</u> Dth X MTNGUD Charge	\$ 0.400 /Dth	\$ 210.92	

Sub-Total \$ 1,228.61

NET BILL DUE NOW \$ 1,228.61

10% Penalty if Paid after 10/25/24 \$ 101.77

Gross Bill Due if Paid after 10/25/24 \$ 1,330.38

Usage Report

From: 08/01/2024 Through: 08/31/2024

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	3531.00
	BASE RATE	Cubic	291.7	291.7	0	0.00	4904.91
	GAS RECOVER	Cubic	291.7	105.6	0	0.00	333.40
	Number of Accounts		195				
	Number of Locations		196				
	Account/Location Combinations		196				

Usage Report

From: 09/01/2024 Through: 09/30/2024

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	3531.00
	BASE RATE	Cubic	549.8	549.8	0	0.00	9244.85
	GAS RECOVE	Cubic	549.8	549.8	0	0.00	1735.87
	Number of Accounts		195				
	Number of Locations		196				
	Account/Location Combinations		196				

Usage Report

From: 10/01/2024 Through: 10/31/2024

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	3602.00
	BASE RATE	Cubic	1691.1	1691.1	0	0.00	27202.25
	GAS RECOVE	Cubic	1691.1	1691.1	0	0.00	5339.18
	Number of Accounts		198				
	Number of Locations		199				
	Account/Location Combinations		199				

HENRY HUB NATURAL GAS FUTURES - SETTLEMENTS

TRADE DATE Thursday, 16 Jan 2025

Last Updated 16 Jan 2025 11:55:00 PM CT

ESTIMATED VOLUME TOTALS 760,993

PRIOR DAY OPEN INTEREST TOTALS 1,587,097

MONTH	OPEN	HIGH	LOW	LAST	CHANGE	SETTLE	EST. VOLUME	PRIOR DAY OI
FEB 25	4.13000	4.32800	4.01800	4.28100A	+.17500	4.25800	193,018	97,101
MAR 25	3.58000	3.77800	3.50100	3.69900B	+.17400	3.73900	170,352	315,588
APR 25	3.51800	3.72000	3.44600	3.64000B	+.18200	3.68100	94,999	124,664

Month	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016
Jan	3.514	2.619	4.709	4.024	2.467	2.158	3.642	2.738	3.930	2.372
Feb		2.490	3.109	6.265	2.760	1.877	2.950	3.631	3.391	2.189
Mar		1.615	2.451	4.568	2.854	1.821	2.855	2.639	2.627	1.711
Apr		1.575	1.991	5.336	2.586	1.634	2.713	2.691	3.175	1.903
May		1.614	2.117	7.267	2.925	1.794	2.566	2.821	3.142	1.995
Jun		2.493	2.181	8.908	2.984	1.722	2.633	2.875	3.236	1.963
Jul		2.628	2.603	6.551	3.617	1.495	2.291	2.996	3.067	2.917
Aug		1.907	2.492	8.687	4.044	1.854	2.141	2.822	2.969	2.672
Sep		1.930	2.556	9.353	4.370	2.579	2.251	2.895	2.961	2.853
Oct		2.585	2.764	6.868	5.841	2.101	2.428	3.021	2.974	2.952

Texas Eastern Transmission, LP
Station Daily Volume Report



Station: 73161 - Middle TN Gas Monroe Co, KY

Period: 10/1/2024 To 11/1/2024 Closed Date: N/A

Analyst: Zachary Teykl

Phone:

Gas Date	Vol @ 14.730 PSI (MCF)	BTU (BTU(IT))/CF	Energy (MMBTU(IT))
10/01/2024	34	1067.114	36
10/02/2024	93	1070.105	100
10/03/2024	59	1069.098	63
10/04/2024	43	1067.037	46
10/05/2024	56	1066.961	60
10/06/2024	57	1066.824	61
10/07/2024	124	1066.380	132
10/08/2024	166	1066.505	177
10/09/2024	142	1067.094	152
10/10/2024	154	1066.801	164
10/11/2024	137	1069.204	146
10/12/2024	87	1068.477	93
10/13/2024	116	1067.678	124
10/14/2024	264	1067.532	282
10/15/2024	397	1067.424	424
10/16/2024	376	1067.196	402
10/17/2024	323	1067.186	345
10/18/2024	246	1069.308	263
10/19/2024	237	1069.129	253
10/20/2024	207	1067.344	220
10/21/2024	176	1069.231	189
10/22/2024	119	1070.046	128
10/23/2024	114	1073.154	122
10/24/2024	138	1069.731	148
10/25/2024	48	1066.873	51
10/26/2024	155	1070.405	166
10/27/2024	153	1071.365	164
10/28/2024	56	1070.554	60
10/29/2024	46	1070.341	49
10/30/2024	22	1040.272	23
10/31/2024	44	1034.416	46
Total	4,389	N/A	4,689
Daily Avg	142	1,066.477	151
Daily Min	22	1,034.416	23
Daily Max	397	1,073.154	424

Texas Eastern Transmission, LP
Station Daily Volume Report



Station: 73161 - Middle TN Gas Monroe Co, KY

Period: 9/1/2024 To 10/1/2024 **Closed Date:** N/A

Analyst: Zachary Teykl **Phone:**

Gas Date	Vol @ 14.730 PSI (MCF)	BTU (BTU(IT)/CF)	Energy (MMBTU(IT))
9/01/2024	25	1070.060	26
9/02/2024	48	1067.153	51
9/03/2024	28	1067.399	29
9/04/2024	28	1068.788	30
9/05/2024	29	1068.239	30
9/06/2024	28	1070.005	30
9/07/2024	70	1069.712	75
9/08/2024	99	1070.467	106
9/09/2024	72	1070.856	77
9/10/2024	54	1068.280	58
9/11/2024	32	1071.293	34
9/12/2024	33	1071.471	36
9/13/2024	21	1071.079	23
9/14/2024	23	1069.519	24
9/15/2024	23	1069.336	25
9/16/2024	31	1070.322	33
9/17/2024	26	1067.541	28
9/18/2024	29	1068.603	31
9/19/2024	23	1069.462	24
9/20/2024	19	1069.741	21
9/21/2024	17	1069.604	19
9/22/2024	20	1068.899	21
9/23/2024	34	1069.987	36
9/24/2024	40	1038.478	41
9/25/2024	60	1034.935	62
9/26/2024	32	1034.976	33
9/27/2024	48	1034.919	50
9/28/2024	48	1035.025	50
9/29/2024	43	1034.786	44
9/30/2024	44	1035.004	46
Total	1,127	N/A	1,193
Daily Avg	38	1,061.531	40
Daily Min	17	1,034.786	19
Daily Max	99	1,071.471	106

Texas Eastern Transmission, LP
Station Daily Volume Report



Station: 73161 - Middle TN Gas Monroe Co, KY
Period: 8/1/2024 To 8/31/2024 **Closed Date:** 9/9/2024 4:32 PM
Analyst: Zachary Teykl **Phone:**

Gas Date	Vol @ 14.730 PSI (MCF)	BTU (BTU(IT)/CF)	Energy (MMBTU(IT))
8/01/2024	19	1071.715	20
8/02/2024	21	1075.320	22
8/03/2024	18	1074.458	20
8/04/2024	16	1075.516	17
8/05/2024	17	1076.959	18
8/06/2024	24	1073.201	26
8/07/2024	26	1075.794	28
8/08/2024	24	1071.479	26
8/09/2024	31	1070.999	34
8/10/2024	37	1073.363	40
8/11/2024	37	1074.256	40
8/12/2024	21	1072.980	23
8/13/2024	30	1070.470	32
8/14/2024	26	1071.729	28
8/15/2024	14	1072.628	15
8/16/2024	19	1070.668	20
8/17/2024	19	1071.420	20
8/18/2024	20	1071.883	22
8/19/2024	42	1071.500	45
8/20/2024	75	1071.691	80
8/21/2024	181	1071.201	194
8/22/2024	236	1072.273	253
8/23/2024	235	1073.518	252
8/24/2024	232	1072.921	249
8/25/2024	167	1071.336	178
8/26/2024	40	1071.679	43
8/27/2024	25	1069.894	27
8/28/2024	20	1075.021	22
8/29/2024	20	1077.224	22
8/30/2024	16	1067.019	17
8/31/2024	16	1071.528	17
Total	1,724	N/A	1,850
Daily Avg	56	1,072.634	60
Daily Min	14	1,067.019	15
Daily Max	236	1,077.224	253