

Sentra Corporation

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

Date Filed:

June 28, 2024

Date Rates to be Effective:

August 1, 2024

Reporting Period is Calendar Quarter Ended:

April 30, 2024

**SCHEDULE I
GAS COST RECOVERY RATE SUMMARY**

<u>Component</u>	<u>Unit</u>	<u>Amount</u>
Expected Gas Cost (EGC)	\$/Mcf	3.3588
+ Refund Adjustment (RA)	\$/Mcf	-
+ Actual Adjustment (AA)	\$/Mcf	(0.2874)
+ Balance Adjustment (BA)	\$/Mcf	0.0858
= Gas Cost Recovery Rate (GCR)	\$/Mcf	3.1572

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

A. EXPECTED GAS COST CALCULATION

	<u>Unit</u>	
Total Expected Gas Cost (Schedule II)	\$	105,461.91
+ Sales for the 12 months ended	Mcf	31,398.50
- Expected Gas Cost (EGC)	\$/Mcf	3.3588

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	\$ (0.0459)
+ Previous Quarter Reported Actual Adjustment	\$/Mcf	\$ (0.2560) 2023-00073
+ Second Previous Quarter Reported Actual Adjustment	\$/Mcf	\$ 0.0156 2023-00426
+ Third Previous Quarter Reported Actual Adjustment	\$/Mcf	\$ (0.0011) 2023-00328
=Actual Adjustment (AA)	\$/Mcf	\$ (0.2874)

D. BALANCE ADJUSTMENT CALCULATION

	<u>Unit</u>	
Balance Adjustment for the Reporting Period (Schedule V)	\$/Mcf	\$ 0.0272
+ Previous Quarter Reported Balance Adjustment	\$/Mcf	\$ 0.0520 2023-00073
+ Second Previous Quarter Reported Balance Adjustment	\$/Mcf	\$ 0.0075 2023-00426
+ Third Previous Quarter Reported Balance Adjustment	\$/Mcf	\$ (0.0009) 2023-00328
=Balance Adjustment (BA)	\$/Mcf	\$ 0.0858

SCHEDULE II
EXPECTED GAS COST

Appendix B
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Actual* Mcf Purchase for 12 months ended

4/30/2024

	(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)			
May	Middle Tennessee NG	2.7485	1.0668	1319.20	2.9321	0.4267	0.0000	4,430.96
Jun	Middle Tennessee NG	2.7485	1.0668	435.10	2.9321	0.4267	0.0000	1,461.42
July	Middle Tennessee NG	2.7485	1.0668	116.40	2.9321	0.4267	0.0000	390.97
Aug	Middle Tennessee NG	2.7485	1.0668	330.40	2.9321	0.4267	0.0000	1,109.75
Sept	Middle Tennessee NG	2.7485	1.0668	603.40	2.9321	0.4267	0.0000	2,026.71
October	Middle Tennessee NG	2.7485	1.0668	1480.60	2.9321	0.4267	0.0000	4,973.07
Nov	Middle Tennessee NG	2.7485	1.0668	3349.90	2.9321	0.4267	0.0000	11,251.71
Dec	Middle Tennessee NG	2.7485	1.0668	4872.90	2.9321	0.4267	0.0000	16,367.19
Jan	Middle Tennessee NG	2.7485	1.0668	9426.20	2.9321	0.4267	0.0000	31,660.91
Feb	Middle Tennessee NG	2.7485	1.0668	4351.00	2.9321	0.4267	0.0000	14,614.23
Mar	Middle Tennessee NG	2.7485	1.0668	3000.60	2.9321	0.4267	0.0000	10,078.48
Apr	Middle Tennessee NG	2.7485	1.0668	2112.80	2.9321	0.4267	0.0000	7,096.51
	Totals			31,398.50				105,461.91

Line losses are Unknown for 12 months ended 4/30/2024 based on purchases of 31,398.50 Mcf and sales of 31,398.50

	Unit	Amount
Total Expected Cost of Purchases (6) (to Schedule IA.)	\$	\$ 105,461.91
Expected Mcf Purchases (4)	Mcf	<u>31,398.50</u>
= Average Expected Cost Per Mcf Purchased	\$/Mcf	\$ 3.3588
Plus: Expected Losses of (not to exceed 5%) (D26/0.95) if line loss > 5%	Mcf	<u>31,398.50</u>
= Total Expected Gas Cost (J32*J33 if line loss)	\$	\$ 105,461.91

*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 _____ 4/30/2024	Mcf	31,398.50
<hr/>		
=Supplier Refund Adjustment for the Reporting Period (to Schedule IB.)	\$/Mcf	\$ -

SCHEDULE IV
ACTUAL ADJUSTMENT

For the 12 month period ended April 30, 2024

Particulars	Unit	Month 1	Month 2	Month 3	
		Feb-24	Mar-24	Apr-24	
Total Supply Volumes Purchased	Mcf	4,507.5	3,033.0	2,022.4	
Total Cost of Volumes Purchased	\$	13,964.48	6,533.23	4,150.07	
/ Total Sales *	Mcf	4,351.0	3,000.6	2,112.8	
= Unit Cost of Gas	\$/Mcf	\$3.2095	\$2.1773	\$1.9643	
Transport Fee	\$/Mcf	\$0.0000	\$0.0000	\$0.0000	
Total Unit Cost of Gas	\$/Mcf	\$3.2095	\$2.1773	\$1.9643	
- EGC in Effect for Month	\$/Mcf	\$2.7566	\$2.7566	\$2.7566	Approved in 2023-00426
= Difference	\$/Mcf	\$0.4529	(\$0.5793)	(\$0.7923)	
x Actual Sales during Month	Mcf	4,351.0	3,000.6	2,112.8	
= Monthly Cost Difference	\$	\$1,971	(\$1,738)	(\$1,674)	
Total Cost Difference			\$	(\$1,441.79)	
/ Sales for 12 months ended			Mcf	31,398.50	
= Actual Adjustment for the Reporting Period				(\$0.0459)	

* May not be less than 95% of supply volume

SCHEDULE V
BALANCE ADJUSTMENT

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For the 3 month period ended 4/30/2024

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.		28575.20 = 05/01/2022 to 04/30/2023 sales AA = -0.3288
1		\$	<u>(9,395.53)</u> 28575.20 X -0.3288
2 Less:	Dollars amount resulting from the AA of <u>\$ (0.3288)</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 -0.6743 on order 2023-00103 Effective August 1, 2023
3	<u>31,398.50</u> MCF during the 12 month period the AA was in effect.	\$	<u>(10,323.83)</u>
4 Equals:	Balance Adjustment for the AA.	\$	<u>928.30</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.		2023-00219 effective August 1, 2023 12 months prior to start of this order August 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>31,398.50</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.		2023-00219 BA = 0.0264 28575.20 = 05/01/2022 to 04/30/2023 sales
9		\$	<u>754.39</u> 28575.20 X 0.0264
10 Less:	Dollar amount resulting from the BA of <u>\$ 0.0264</u> /MCF four quarters prior to the effective date of the currently effective GCR times the sales of		
11	<u>31,398.50</u> MCF during the 12 month period the BA was in effect.	\$	<u>828.92</u>
12 Equals:	Balance Adjustment for the BA.	\$	<u>(74.53)</u>
13	Total Balance Adjustment Amount (1) + (2) + (3)	\$	<u>853.77</u>
14	Divided B Sales for 12 months ended	\$	<u>31,398.50</u>
15 Equals:	Balance Adjustment for the Reporting Period.	\$/MCF	<u>0.0272</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	
				2.765
May	2123	2269	1.0688	2.693
Jun	1271	1362	1.0716	2.749
Jul	740	794	1.0730	2.686
Aug	933	1003	1.0750	2.827
Sept	1739	1863	1.0713	2.771
Oct	3585	3862	1.0773	
Nov	7661	8227	1.0739	2.7485
Dec	13553	14543	1.0730	
Jan	19524	20930	1.0720	
Feb	10143	10845	1.0692	
Mar	7655	7953	1.0389	
Apr 24	3823	3958	1.0353	
	72750	77609	1.0668	

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

P.O. BOX 670
SMITHVILLE, TN 37166

Sentra Corporation
112 Orchard Lane
Thompkinsville, KY 42167

Billing Date: 03/01/24

Location ID: 022726

Customer ID: 080659

<u>Meter Readings (MCF)</u>	<u>Fountain Run</u>	<u>Gamaliel</u>	<u>Meters off 8"</u>
01/31/24	230,695	2,871.0	
02/29/24	<u>234,509</u>	<u>3,487.0</u>	
	3,814	616.0	77.5

<u>4,507,500</u> Cu. Ft.	=	<u>45,075</u>	CCF
<u>45,075</u> CCF X BTU Factor	<u>1.072</u> =	<u>48,320</u>	Therms
<u>4,832</u> Dth X NYMEX EOM	\$ 2.490 /Dth	<u>\$ 12,031.68</u>	
<u>4,832</u> Dth X MTNGUD Charge	\$ 0.400 /Dth	<u>\$ 1,932.80</u>	
	Sub-Total	<u>\$ 13,964.48</u>	
	NET BILL DUE NOW	\$	<u>13,964.48</u>
10% Penalty if Paid after	<u>03/25/24</u>	\$	<u>1,203.17</u>
Gross Bill Due if Paid after	<u>03/25/24</u>	\$	<u>15,167.65</u>

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

P.O. BOX 670
SMITHVILLE, TN 37166

Sentra Corporation
112 Orchard Lane
Thompkinsville, KY 42167

Billing Date: 04/01/24

Location ID: 022726

Customer ID: 080659

<u>Meter Readings (MCF)</u>	<u>Fountain Run</u>	<u>Gamaliel</u>	<u>Meters off 8"</u>
02/29/24	234,509	3,487.0	
03/29/24	<u>237,118</u>	<u>3,860.0</u>	
	2,609	373.0	51.0

<u>3,033,000</u> Cu. Ft.	=	<u>30,330</u>	CCF
<u>30,330</u> CCF X BTU Factor	=	<u>32,423</u>	Therms
<u>3,242</u> Dth X NYMEX EOM	\$ 1.615 /Dth	<u>\$ 5,236.31</u>	
<u>3,242</u> Dth X MTNGUD Charge	\$ 0.400 /Dth	<u>\$ 1,296.92</u>	

Sub-Total \$ 6,533.23

NET BILL DUE NOW \$ **6,533.23**

10% Penalty if Paid after 04/25/24 \$ 523.63

Gross Bill Due if Paid after 04/25/24 \$ **7,056.86**

MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT

P.O. BOX 670
SMITHVILLE, TN 37166

Sentra Corporation
112 Orchard Lane
Thompkinsville, KY 42167

Billing Date: 05/01/24

Location ID: 022726
Customer ID: 080659

<u>Meter Readings (MCF)</u>	<u>Fountain Run</u>	<u>Gamaliel</u>	<u>Meters off 8"</u>
03/29/24	237,118	3,860.0	
04/30/24	<u>238,765</u>	<u>4,035.0</u>	
	1,647	175.0	200.4

<u>2,022,400</u> Cu. Ft.	=	<u>20,224</u>	CCF
<u>20,224</u> CCF X BTU Factor	<u>1.039</u>	=	<u>21,013</u> Therms
<u>2,101</u> Dth X NYMEX EOM	\$ 1.575 /Dth	<u>\$ 3,309.55</u>	
<u>2,101</u> Dth X MTNGUD Charge	\$ 0.400 /Dth	<u>\$ 840.52</u>	
	Sub-Total	<u>\$ 4,150.07</u>	
	NET BILL DUE NOW	\$	<u>4,150.07</u>
10% Penalty if Paid after <u>05/25/24</u>		\$	<u>330.95</u>
Gross Bill Due if Paid after <u>05/25/24</u>		\$	<u><u>4,481.02</u></u>

Usage Report

From: 02/01/2024 Through: 02/29/2024

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	3729.00
	BASE RATE	Cubic	4351	4351	0	0.00	69452.76
	GAS RECOVE	Cubic	4351	4351	0	0.00	8047.95
	Number of Accounts		206				
	Number of Locations		207				
	Account/Location Combinations		207				

Usage Report

From: 03/01/2024 Through: 03/31/2024

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	3729.00
	BASE RATE	Cubic	3000.6	3000.6	0	0.00	48031.70
	GAS RECOVER	Cubic	3000.6	3000.6	0	0.00	5550.00
	Number of Accounts		206				
	Number of Locations		207				
	Account/Location Combinations		207				

Usage Report

From: 04/01/2024 Through: 04/30/2024

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	3746.00
	BASE RATE	Cubic	2112.8	2112.8	0	0.00	34201.22
	GAS RECOVE	Cubic	2112.8	2112.8	0	0.00	3907.80
Number of Accounts			206				
Number of Locations			207				
Account/Location Combinations			207				

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



Station: 73161 - Middle TN Gas Monroe Co, KY

Period: 3/1/2024 To 4/1/2024 **Closed Date:** N/A

Analyst: Zachary Teykl

Phone:

Gas Date	Vol @ 14.730 PSI (MCF)	BTU (BTU(IT)/CF)	Energy (MMBTU(IT))
3/01/2024	385	1071.319	413
3/02/2024	390	1069.743	417
3/03/2024	147	1070.500	157
3/04/2024	90	1041.335	93
3/05/2024	148	1034.924	153
3/06/2024	174	1035.098	180
3/07/2024	182	1034.871	188
3/08/2024	175	1034.823	181
3/09/2024	481	1034.926	498
3/10/2024	563	1034.914	582
3/11/2024	435	1034.902	450
3/12/2024	250	1034.836	259
3/13/2024	134	1034.899	139
3/14/2024	66	1035.092	68
3/15/2024	207	1034.886	214
3/16/2024	178	1034.974	184
3/17/2024	348	1034.945	360
3/18/2024	543	1034.879	562
3/19/2024	377	1034.921	390
3/20/2024	244	1034.956	253
3/21/2024	207	1034.849	214
3/22/2024	130	1034.900	134
3/23/2024	377	1034.906	390
3/24/2024	175	1034.961	181
3/25/2024	123	1034.875	127
3/26/2024	212	1034.755	220
3/27/2024	299	1034.939	310
3/28/2024	302	1034.878	312
3/29/2024	182	1034.830	188
3/30/2024	84	1034.640	87
3/31/2024	47	1034.940	49
Total	7,655	N/A	7,953
Daily Avg	247	1,038.555	257
Daily Min	47	1,034.640	49
Daily Max	563	1,071.319	582

1.038

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



Station: 73161 - Middle TN Gas Monroe Co, KY

Period: 2/1/2024 To 3/1/2024 **Closed Date:** N/A

Analyst: Zachary Teykl **Phone:**

Gas Date	Vol @ 14.730 PSI (MCF)	BTU (BTU(IT)/CF)	Energy (MMBTU(IT))
2/01/2024	345	1071.143	370
2/02/2024	287	1071.713	307
2/03/2024	284	1074.342	305
2/04/2024	279	1073.679	300
2/05/2024	290	1073.530	312
2/06/2024	389	1074.003	418
2/07/2024	255	1072.302	274
2/08/2024	219	1071.791	234
2/09/2024	173	1073.283	186
2/10/2024	198	1071.281	213
2/11/2024	248	1069.315	265
2/12/2024	416	1070.510	446
2/13/2024	446	1067.931	476
2/14/2024	355	1069.184	379
2/15/2024	310	1069.859	331
2/16/2024	431	1069.691	461
2/17/2024	728	1069.175	778
2/18/2024	588	1069.738	629
2/19/2024	462	1068.970	494
2/20/2024	384	1069.847	411
2/21/2024	199	1069.248	213
2/22/2024	241	1070.956	258
2/23/2024	311	1070.741	333
2/24/2024	548	1070.325	586
2/25/2024	313	1070.924	335
2/26/2024	131	1070.643	140
2/27/2024	134	1071.117	143
2/28/2024	671	1072.161	720
2/29/2024	508	1039.854	528
Total	10,143	N/A	10,845
Daily Avg	350	1,069.905	374
Daily Min	131	1,039.854	140
Daily Max	728	1,074.342	778

1.069

Texas Eastern Transmission, LP
Station Daily Volume Report



Station: 73161 - Middle TN Gas Monroe Co, KY

Period: 4/1/2024 To 5/1/2024 Closed Date: N/A

Analyst: Zachary Teykl

Phone:

Gas Date	Vol @ 14,730 PSI (MCF)	BTU (BTU(IT)/CF)	Energy (MMBTU(IT))
4/01/2024	39	1044.153	41
4/02/2024	149	1034.894	154
4/03/2024	321	1034.905	332
4/04/2024	349	1034.922	361
4/05/2024	359	1034.913	372
4/06/2024	243	1035.021	251
4/07/2024	63	1034.542	66
4/08/2024	77	1035.148	79
4/09/2024	107	1034.852	111
4/10/2024	83	1034.945	86
4/11/2024	181	1035.052	188
4/12/2024	264	1034.986	273
4/13/2024	129	1034.759	133
4/14/2024	59	1034.559	61
4/15/2024	33	1034.720	34
4/16/2024	26	1034.045	27
4/17/2024	33	1034.769	34
4/18/2024	22	1035.114	23
4/19/2024	89	1034.916	92
4/20/2024	136	1034.829	141
4/21/2024	258	1034.951	267
4/22/2024	195	1034.809	202
4/23/2024	82	1034.910	85
4/24/2024	133	1035.174	138
4/25/2024	110	1034.818	114
4/26/2024	63	1034.786	65
4/27/2024	51	1034.956	53
4/28/2024	57	1034.941	59
4/29/2024	40	1034.915	41
4/30/2024	72	1034.823	75
Total	3,823	N/A	3,958
Daily Avg	127	1,035.171	132
Daily Min	22	1,034.045	23
Daily Max	359	1,044.153	372

MONTH	LAST	PRIOR SETTLE	OPEN	HIGH	LOW	VOLUME	UPDATED
AUG 2024 NGQ4	2.745	2.685	2.702	2.765	2.693	20,226	07:14:58 CT 28 Jun 2024
SEP 2024 NGU4	2.731	2.675	2.694	2.749	2.686	6,989	07:14:56 CT 28 Jun 2024
OCT 2024 NGV4	2.810	2.762	2.778	2.827	2.771	5,570	07:14:50 CT 28 Jun 2024

Aug = 2.7485

Month	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015
Jan	2.619	4.709	4.024	2.467	2.158	3.642	2.738	3.930	2.372	3.189
Feb	2.490	3.109	6.265	2.760	1.877	2.950	3.631	3.391	2.189	2.866
Mar	1.615	2.451	4.568	2.854	1.821	2.855	2.639	2.627	1.711	2.894
Apr	1.575	1.991	5.336	2.586	1.634	2.713	2.691	3.175	1.903	2.590
May	1.614	2.117	7.267	2.925	1.794	2.566	2.821	3.142	1.995	2.517