

RECEIVED

DEC 1 2016

PUBLIC SERVICE
COMMISSION

November 30, 2016

Talina Mathews
Executive Director
Public Service Commission
211 Sower Blvd.
Frankfort, KY 40601

Re: Sentra Corporation GCR

Dear Ms. Mathews:

Case No. 2016-00419

Sentra Corporation is submitting a filing for rates to be effective January 1, 2017. If you have any questions, I can be reached at mwallen@mhp.energy or on my direct line at 859.263.6727.

Respectfully,



D. Michael Wallen
Senior Vice President of Operations

Sentra Corporation

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

Date Filed: **30-Nov-16**

Date Rates to be Effective: **January 1, 2017**

Reporting Period is Calendar Quarter Ended: **October 31, 2016**

SCHEDULE I
GAS COST RECOVERY RATE SUMMARY

<u>Component</u>	<u>Unit</u>	<u>Amount</u>
Expected Gas Cost (EGC)	\$/Mcf	3.8730
+ Refund Adjustment (RA)	\$/Mcf	-
+ Actual Adjustment (AA)	\$/Mcf	#DIV/0!
+ Balance Adjustment (BA)	\$/Mcf	-
<u>= Gas Cost Recovery Rate (GCR)</u>	\$/Mcf	<u>#DIV/0!</u>

GCR to be effective for service rendered from: **** 2017

<u>A. EXPECTED GAS COST CALCULATION</u>	<u>Unit</u>	<u>Amount</u>
Total Expected Gas Cost (Schedule II)	\$	109,901.91
+ Sales for the 12 months ended 10/31/2016	Mcf	<u>28,376.60</u>
<u>- Expected Gas Cost (EGC)</u>	\$/Mcf	3.8730
<u>B. REFUND ADJUSTMENT CALCULATION</u>	<u>Unit</u>	<u>Amount</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>
<u>= Refund Adjustment (RA)</u>	\$/Mcf	\$ -
<u>C. ACTUAL ADJUSTMENT CALCULATION</u>	<u>Unit</u>	<u>Amount</u>
Actual Adjustment for the Reporting Period (Schedule IV)	\$/Mcf	#DIV/0!
+ Previous Quarter Reported Actual Adjustment	\$/Mcf	
+ Second Previous Quarter Reported Actual Adjustment	\$/Mcf	
+ Third Previous Quarter Reported Actual Adjustment	\$/Mcf	
<u>=Actual Adjustment (AA)</u>	\$/Mcf	<u>#DIV/0!</u>
<u>D. BALANCE ADJUSTMENT CALCULATION</u>	<u>Unit</u>	<u>Amount</u>
Balance Adjustment for the Reporting Period (Schedule V)	\$/Mcf	\$ -
+ Previous Quarter Reported Balance Adjustment	\$/Mcf	
+ Second Previous Quarter Reported Balance Adjustment	\$/Mcf	
+ Third Previous Quarter Reported Balance Adjustment	\$/Mcf	
<u>=Balance Adjustment (BA)</u>	\$/Mcf	<u>\$ -</u>

SCHEDULE II
EXPECTED GAS COST

Actual* Mcf Purchase for 12 months ended

10/31/16

(1) Supplier	(2) NYMEX Dth	(3) Heat Rate	(4) Mcf	(5)** Rate	Greystone	(6) (2) x (5)+(6) Cost
					Adder	
Greystone, LLC	3.3570	1.0660	1,400.70	3.5786	0.3700	5,530.75
Greystone, LLC	3.3570	1.0660	284.30	3.5786	0.3700	1,122.58
Greystone, LLC	3.3570	1.0660	344.60	3.5786	0.3700	1,360.67
Greystone, LLC	3.3570	1.0660	118.10	3.5786	0.3700	466.33
Greystone, LLC	3.3570	1.0660	543.60	3.5786	0.3700	2,146.44
Greystone, LLC	3.3570	1.0660	729.70	3.5786	0.3700	2,881.27
Greystone, LLC	3.3570	1.0660	1,992.90	3.5786	0.3700	7,869.09
Greystone, LLC	3.3570	1.0660	3,204.80	3.5786	0.3700	12,654.35
Greystone, LLC	3.3570	1.0660	5,943.70	3.5786	0.3700	23,469.07
Greystone, LLC	3.3570	1.0660	7,136.30	3.5786	0.3700	28,178.12
Greystone, LLC	3.3570	1.0660	1,782.00	3.5786	0.3700	7,036.34
Greystone, LLC	3.3570	1.0660	4,352.70	3.5786	0.3700	17,186.91
Totals	40.2840		27,833.40			109,901.91

Line losses are 27,833.40 Mcf and sales of 28,376.60 Mcf. -1.95% for 12 months ended 10/31/2016 based on purchases of Mcf.

	Unit	Amount
Total Expected Cost of Purchases (6) (to Schedule IA.)	\$	\$ 109,901.91
/ Mcf Purchases (4)	Mcf	<u>27,833.40</u>
= Average Expected Cost Per Mcf Purchased	\$/Mcf	\$ 3.9486
x Allowable Mcf Purchases (not to exceed 5%)	Mcf	<u>27,833.40</u>
= Total Expected Gas Cost	\$	\$ 109,901.91

*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

10/31/2016

<u>Particulars</u>	<u>Unit</u>	<u>Amount</u>
Total supplier refunds received	\$	\$ -
+ Interest	\$	\$ -
<hr/>		
= Refund Adjustment including interest	\$	\$ -
+ Sales for 12 months ended __ 10/31/2016	Mcf	28,377
<hr/>		
=Supplier Refund Adjustment for the Reporting Period (to Schedule IB.)	\$/Mcf	\$ -

SCHEDULE IV
ACTUAL ADJUSTMENT

For the 3 month period ended 10/31/2016

This schedule will not be used until new PGA has been used 6 months

Particulars	Unit	Month 1	Month 2	Month 3
Total Supply Volumes Purchased	Mcf	-	-	-
Total Cost of Volumes Purchased	\$			
/ Total Sales	Mcf	-	-	-
<hr/>				
(may not be less than 95% of supply volumes) (G8*0.95)				
= Unit Cost of Gas	\$/Mcf	#DIV/0!	#DIV/0!	#DIV/0!
- EGC in effect for month	\$/Mcf	\$ -	\$ -	\$ -
= Difference	\$/Mcf	#DIV/0!	#DIV/0!	#DIV/0!
[(Over-)/Under-Recovery]				
x Actual sales during month	Mcf	-	-	-
= Monthly cost difference	\$	#DIV/0!	#DIV/0!	#DIV/0!

	Unit	Amount
Total cost difference (Month 1 + Month 2 + Month 3)	\$	#DIV/0!
+ Sales for 12 months ended <u>10/31/2016</u>	Mcf	<u>28,377</u>
= Actual Adjustment for the Reporting Period (to Schedule IC.)	\$/Mcf	#DIV/0!

Enter monthly Mcf purchases first
Enter monthly \$ purchases second

Enter EGC that the Commission approved for months 1, 2, and 3

Enter monthly Mcf sales third

SCHEDULE V
BALANCE ADJUSTMENT

Appendix B
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For the 3 month period ended 10/31/2016

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.		-
1		\$	-
2 Less:	Dollars amount resulting from the AA 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 AA was in effect.		
3		\$	0.00
4 Equals:	Balance Adjustment for the AA.	\$	-
(3)	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.		-
5		\$	-
6 Less:	Dollar amount resulting from the RA of _____ \$/MCF as used to compute the OCR in effect four quarters prior to the effective GCR times the sales of _____ MCF during the 12 month period the RA was in effect.		
7		\$	-
8 Equals:	Balance Adjustment for the RA.	\$	-
(3)	Total Balance Adjustment used to compute RA of the GCR effective four quarters prior to the effective date of the currently effective GCR.		-
9		\$	-
10 Less:	Dollar amount resulting from the BA of _____ \$/MCF four quarters prior to the effective date of the currently effective GCR times the sales of _____ MCF during the 12 month period the BA was in effect.		
11		\$	-
12 Equals:	Balance Adjustment for the BA.	\$	-
13	Total Balance Adjustment Amount (1) + (2) + (3)	\$	0.00
14 Divided By:	Sales for 12 months ended 10/31/2016	\$	28,377
15 Equals:	Balance Adjustment for the Reporting Period (to Schedule ID).	\$/MCF	0.000000

Oil Futures Prices

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- INDEX
- INTEREST
- METAL
- OIL / ENERGY
- Popular Markets**
- Crude Oil (e) NYMEX
- Heating Oil (e) NYMEX
- Natural Gas (e) NYMEX
- NYH RBOB Gas(e) NYMEX
- Less Popular**
- Brent Crude Oil (p) NYMEX
- Coal (p) NYMEX
- Crude Oil (p) NYMEX
- Crude Oil Fin (e) NYMEX
- Crude Oil miNY (e) NYMEX
- Ethanol (e) CBOT
- Heating Oil (p) NYMEX
- Heating Oil Fin (e) NYMEX
- Heating Oil miNY (e) NYMEX
- Natural Gas (p) NYMEX
- Natural Gas Fin (e) NYMEX
- Natural Gas miNY (e) NYMEX
- NYH RBOB Gas(p) NYMEX
- NYH RBOB GasFin (e) NYMEX
- NYH RBOB GasmiNY (e) NYMEX
- PJM Electricity (p) NYMEX
- Uranium (e) NYMEX

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Click for Chart	Open	High	Low	Last	Time	Set	Chg	Vol	Prior Day Set	Op Int	Opt's
Jan'17	-	3.350	3.251	3.320	18:00 Nov 28	3.320	0.118	170031	3.202	296894	Call Put
Feb'17	-	3.373	3.282	3.346	18:00 Nov 28	3.346	0.112	46853	3.234	80926	Call Put
Mar'17	-	3.350	3.269	3.328	18:00 Nov 28	3.328	0.104	59647	3.224	183927	Call Put
Apr'17	-	3.261	3.193	3.244	18:00 Nov 28	3.244	0.083	53565	3.161	102158	Call Put
May'17	-	3.261	3.208	3.236	18:00 Nov 28	3.236	0.067	25272	3.169	70084	Call Put
Jun'17	-	3.285	3.239	3.263	18:00 Nov 28	3.263	0.064	14113	3.199	48704	Call Put
Jul'17	-	3.311	3.264	3.289	18:00 Nov 28	3.289	0.063	10262	3.226	32135	Call Put
Aug'17	-	3.304	3.267	3.284	18:00 Nov 28	3.284	0.060	7449	3.224	22658	Call Put
Sep'17	-	3.299	3.249	3.267	18:00 Nov 28	3.267	0.059	6615	3.208	25301	Call Put
Oct'17	-	3.309	3.265	3.283	18:00 Nov 28	3.283	0.058	19635	3.225	73305	Call Put
Nov'17	-	3.353	3.307	3.322	18:00 Nov 28	3.322	0.055	4890	3.267	25742	Call Put
Dec'17	-	3.465	3.446	3.458	18:00 Nov 28	3.458	0.052	4620	3.406	28861	Call Put
Jan'18	-	3.566	3.495	3.548	18:00 Nov 28	3.548	0.049	10476	3.499	27811	Call Put
Feb'18	-	3.525	3.498	3.505	18:00 Nov 28	3.505	0.045	2134	3.460	8392	Call Put
Mar'18	-	3.420	3.384	3.410	18:00 Nov 28	3.410	0.040	9223	3.370	22699	Call Put
Apr'18	-	2.922	2.886	2.892	18:00 Nov 28	2.892	0.006	8445	2.886	26966	Call Put
May'18	-	2.860	2.838	2.844	18:00 Nov 28	2.844	-	4368	2.844	10996	Call Put
Jun'18	-	2.875	2.852	2.859	18:00 Nov 28	2.859	0.002	3365	2.857	5839	Call Put
Jul'18	-	2.894	2.870	2.875	18:00 Nov 28	2.875	-0.004	1096	2.879	6956	Call Put
Aug'18	-	2.893	2.869	2.874	18:00 Nov 28	2.874	-0.006	741	2.880	4646	Call Put
Sep'18	-	2.883	2.858	2.863	18:00 Nov 28	2.863	-0.005	974	2.868	6729	Call Put
Oct'18	-	2.907	2.882	2.889	18:00 Nov 28	2.889	-0.004	1439	2.893	13294	Call Put
Nov'18	-	2.939	2.939	2.940	18:00 Nov 28	2.940	-0.003	206	2.943	5692	Call Put
Dec'18	-	3.072	3.067	3.069	18:00 Nov 28	3.069	-0.004	324	3.073	4377	Call Put
Jan'19	-	-	-	3.168	18:00 Nov 28	3.174	-	114	3.174	2005	Call Put
Feb'19	-	-	-	3.064	18:00 Nov 28	3.135	-0.002	48	3.137	858	Call Put
Mar'19	-	-	-	3.014	18:00 Nov 28	3.082	-0.002	17	3.084	1043	Call Put
Apr'19	-	-	-	2.764	18:00 Nov 28	2.747	-0.017	-	2.764	905	Call Put
May'19	-	2.760	2.745	2.740	18:00 Nov 28	2.740	-0.017	11	2.757	411	Call Put
Jun'19	-	-	-	2.800	18:00 Nov 28	2.774	-0.017	-	2.791	380	Call Put
Jul'19	-	-	-	2.837	18:00 Nov 28	2.811	-0.017	-	2.828	393	Call Put
Aug'19	-	-	-	2.854	18:00 Nov 28	2.828	-0.017	-	2.845	464	Call Put
Sep'19	-	-	-	2.851	18:00 Nov 28	2.825	-0.017	-	2.842	340	Call Put
Oct'19	-	-	-	2.883	18:00 Nov 28	2.857	-0.017	-	2.874	331	Call Put
Nov'19	-	-	-	2.943	18:00 Nov 28	2.919	-0.015	-	2.934	363	Call Put
Dec'19	3.075	3.075	3.075	3.055	18:00 Nov 28	3.055	-0.013	2	3.068	417	Call Put
Feb'20	-	-	-	3.148	18:00 Nov 28	3.126	-0.011	-	3.137	213	Call Put
Mar'20	-	-	-	3.082	18:00 Nov 28	3.061	-0.010	-	3.071	174	Call Put
Apr'20	-	-	-	2.755	18:00 Nov 28	2.736	-0.010	-	2.746	215	Call Put
May'20	-	-	-	2.734	18:00 Nov 28	2.731	-0.010	-	2.741	114	Call Put
Jun'20	-	-	-	2.759	18:00 Nov 28	2.763	-0.010	-	2.773	102	Call Put
Jul'20	2.810	2.810	2.810	2.800	18:00 Nov 28	2.800	-0.010	1	2.810	178	Call Put
Aug'20	-	-	-	2.760	18:00 Nov 28	2.829	-0.010	-	2.839	114	Call Put
Sep'20	-	-	-	2.765	18:00 Nov 28	2.835	-0.010	-	2.845	115	Call Put
Oct'20	2.880	2.880	2.880	2.868	18:00 Nov 28	2.868	-0.010	2	2.878	76	Call Put
Dec'20	-	-	-	3.108	18:00 Nov 28	3.088	-0.010	-	3.098	488	Call Put
Jan'21	-	-	-	3.267	18:00 Nov 28	3.221	-0.010	-	3.231	56	Call Put
Feb'21	-	-	-	3.229	18:00 Nov 28	3.183	-0.009	-	3.192	55	Call Put



REFRESH DATA

Extreme Futures: Movers & Shakers

Movers Extreme

Dramatic price change



Lt Crude 45.27	Corn 343.78	Mar'21 1186.9	Euro 1.0620	1164	18:00 Nov 28	3.118	200-2008	-	3.126	55	Call Put
Nat Gas 3.329	Cotton #2 71.51	Copper 2.5820	USD Index 101.235								

Month	Greystone	NYMEX	Difference
May-16	\$ 2.35	\$ 1.92	\$ 0.43
Jun-16	\$ 3.10	\$ 2.59	\$ 0.51
Jul-16	\$ 3.28	\$ 2.82	\$ 0.46
16-Aug	\$ 2.87	\$ 2.67	\$ 0.20
16-Sep	\$ 3.16	\$ 2.85	\$ 0.30
16-Oct	\$ 3.29	\$ 2.95	\$ 0.34
Average =	\$	\$ 0.37	