

**RECEIVED**

JUN 30 2017

PUBLIC SERVICE  
COMMISSION

June 29, 2017

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

Re: Purchased Gas Adjustment Filing

Dear Ms. Mathews:

Sentra Corporation is submitting a filing for rates to be effective August 1, 2017. If you have any questions please contact Jerrica Whitaker at 859-263-3948 or by email at [jwhitaker@mhp.energy](mailto:jwhitaker@mhp.energy).

Respectfully,

Jerrica Whitaker

JUN 30 2017

PUBLIC SERVICE  
COMMISSION

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Sentra Corporation

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QUARTERLY REPORT OF GAS COST  
RECOVERY RATE CALCULATION

Date Filed: **30-Jun-17**

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

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Reporting Period is Calendar Quarter Ended: **April 30, 2017**

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**SCHEDULE I**  
**GAS COST RECOVERY RATE SUMMARY**

<u>Component</u>	<u>Unit</u>	<u>Amount</u>
Expected Gas Cost (EGC)	\$/Mcf	4.5082
+ Refund Adjustment (RA)	\$/Mcf	-
+ Actual Adjustment (AA)	\$/Mcf	0.1139
+ Balance Adjustment (BA)	\$/Mcf	-
= Gas Cost Recovery Rate (GCR)	\$/Mcf	4.6221

GCR to be effective for service rendered from:

\*\*\*\* 2017

<b>A.</b>	<b><u>EXPECTED GAS COST CALCULATION</u></b>	<b><u>Unit</u></b>	<b><u>Amount</u></b>
	Total Expected Gas Cost (Schedule II)	\$	106,097.33
	+ Sales for the 12 months ended 4/30/2017	Mcf	23,534.40
	- Expected Gas Cost (EGC)	\$/Mcf	4.5082
<b>B.</b>	<b><u>REFUND ADJUSTMENT CALCULATION</u></b>	<b><u>Unit</u></b>	<b><u>Amount</u></b>
	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	\$ -
<b>C.</b>	<b><u>ACTUAL ADJUSTMENT CALCULATION</u></b>	<b><u>Unit</u></b>	<b><u>Amount</u></b>
	Actual Adjustment for the Reporting Period (Schedule IV)	\$/Mcf	\$ 0.1139
	+ Previous Quarter Reported Actual Adjustment	\$/Mcf	
	+ Second Previous Quarter Reported Actual Adjustment	\$/Mcf	
	+ Third Previous Quarter Reported Actual Adjustment	\$/Mcf	
	= Actual Adjustment (AA)	\$/Mcf	\$ 0.1139
<b>D.</b>	<b><u>BALANCE ADJUSTMENT CALCULATION</u></b>	<b><u>Unit</u></b>	<b><u>Amount</u></b>
	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	
	= Balance Adjustment (BA)	\$/Mcf	\$ -

SCHEDULE II  
EXPECTED GAS COST

Page 3

Actual\* Mcf Purchase for 12 months ended

01/31/17

(1) Supplier	(2) NYMEX Dth	(3) Heat Rate	(4) Mcf	(5) ** Rate	Greystone Adder	Clay Gas Transportation Fee	(6) (2) x (5)+(6) Cost
Greystone, LLC	2.9870	1.0630	1,292.00	3.1752	0.27	1.06	5,824.57
Greystone, LLC	2.9870	1.0630	3,984.30	3.1752	0.27	1.06	17,961.95
Greystone, LLC	2.9870	1.0630	2,669.60	3.1752	0.27	1.06	12,035.04
Greystone, LLC	2.9870	1.0630	6,546.80	3.1752	0.27	1.06	29,514.16
Greystone, LLC	2.9870	1.0630	3,559.40	3.1752	0.27	1.06	16,046.42
Greystone, LLC	2.9870	1.0630	2,061.30	3.1752	0.27	1.06	9,292.71
Greystone, LLC	2.9870	1.0630	1,400.70	3.1752	0.27	1.06	6,314.61
Greystone, LLC	2.9870	1.0630	284.30	3.1752	0.27	1.06	1,281.68
Greystone, LLC	2.9870	1.0630	344.60	3.1752	0.27	1.06	1,553.52
Greystone, LLC	2.9870	1.0630	118.10	3.1752	0.27	1.06	532.42
Greystone, LLC	2.9870	1.0630	543.60	3.1752	0.27	1.06	2,450.65
Greystone, LLC	2.9870	1.0630	729.70	3.1752	0.27	1.06	3,289.62
Totals	35.8440		23,534.40				106,097.33

Line losses are \_\_\_\_\_ 0.00% for 12 months ended 4/30/2017 based on purchases of  
23,534.40 Mcf and sales of 23,534.40 Mcf.

	Unit	Amount
Total Expected Cost of Purchases (6) (to Schedule IA.)	\$	\$ 106,097.33
/ Mcf Purchases (4)	Mcf	<u>23,534.40</u>
= Average Expected Cost Per Mcf Purchased	\$/Mcf	\$ 4.5082
x Allowable Mcf Purchases (not to exceed 5%)	Mcf	<u>23,534.40</u>
= Total Expected Gas Cost	\$	\$ 106,097.33

\*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 1/31/2017

<u>Particulars</u>	<u>Unit</u>	<u>Amount</u>
Total supplier refunds received	\$	\$ -
+ Interest	\$	\$ -
<hr/>		
= Refund Adjustment including interest	\$	\$ -
+ Sales for 12 months ended 1/31/2017	Mcf	23,534
<hr/>		
=Supplier Refund Adjustment for the Reporting Period (to Schedule IB.)	\$/Mcf	\$ -

SCHEDULE IV  
ACTUAL ADJUSTMENT

Page 5

For the 5 month period ended 4/30/2017

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

		Feb-17	Mar-17	Apr-17	
<u>Particulars</u>	<u>Unit</u>				
Total Supply Volumes Purchased	Mcf	2,669.60	3,984.30	1,292.00	Enter monthly Mcf purchases first
Total Cost of Volumes Purchased	\$	\$ 13,310.63	\$ 16,869.52	\$ 6,156.38	Enter monthly \$ purchases second
/ Total Sales	Mcf	<u>2,669.60</u>	<u>3,984.30</u>	<u>1,292.00</u>	
(may not be less than 95% of supply volumes) (G8*0.95)					
= Unit Cost of Gas	\$/Mcf	\$ 4.9860	\$ 4.2340	\$ 4.7650	
- EGC in effect for month	\$/Mcf	\$ <u>4.2355</u>	\$ <u>4.2355</u>	\$ <u>4.2355</u>	Enter EGC that the Commission approved for months 1, 2, and 3
= Difference	\$/Mcf	\$ 0.7505	\$ (0.0015)	\$ 0.5295	
[ (Over-)/Under-Recovery]					
x Actual sales during month	Mcf	<u>2,669.60</u>	<u>3,984.30</u>	<u>1,292.00</u>	Enter monthly Mcf sales third
= Monthly cost difference	\$	2,003.53	(5.98)	684.11	

	<u>Unit</u>	<u>Amount</u>
Total cost difference (Month 1 + Month 2 + Month 3)	\$	\$ 2,681.67
+ Sales for 12 months ended <u>4/30/2017</u>	Mcf	<u>23,534</u>
= Actual Adjustment for the Reporting Period (to Schedule IC.)	\$/Mcf	\$ 0.1139



SCHEDULE V  
BALANCE ADJUSTMENT

Appendix B  
Page 6

For the 3 month period ended

1/31/2017

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 23,534 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 23,534 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 23,534 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 1/31/2017	\$	23,534
15 Equals:	Balance Adjustment for the Reporting Period (to Schedule ID).	\$/MCF	0.000000

Month	Greystone		NYMEX		Difference	
16-Dec	\$	3.52	\$	3.23	\$	0.29
17-Jan	\$	4.10	\$	3.93	\$	0.17
17-Feb	\$	3.69	\$	3.39	\$	0.30
17-Mar	\$	2.99	\$	2.63	\$	0.36
17-Apr	\$	3.49	\$	3.18	\$	0.31
17-May	\$	3.45	\$	3.24	\$	0.21
Average =			\$	0.27		



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NYH RBOB Gas (e) NYMEX

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Coal (p) NYMEX  
Crude Oil (p) NYMEX  
Crude Oil Fin (e) NYMEX  
Crude Oil mNY (e) NYMEX  
Ethanol (e) CBOT  
Heating Oil (p) NYMEX  
Heating Oil Fin (e) NYMEX  
Heating Oil mNY (e) NYMEX  
Natural Gas (p) NYMEX  
Natural Gas Fin (e) NYMEX  
Natural Gas mNY (e) NYMEX  
NYH RBOB Gas (p) NYMEX  
NYH RBOB Gas Fin (e) NYMEX  
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Jul'17	-	2.962	2.855	2.894	18:01 Jun 22	2.894	0.001	141977	2.893	78194	Call Put
Aug'17	-	2.980	2.875	2.915	18:01 Jun 22	2.915	-	102797	2.915	254992	Call Put
Sep'17	-	2.977	2.879	2.913	18:01 Jun 22	2.913	-0.001	34084	2.914	179045	Call Put
Oct'17	-	3.005	2.912	2.945	18:01 Jun 22	2.945	-	30402	2.945	176915	Call Put
Nov'17	-	3.068	2.977	3.014	18:01 Jun 22	3.014	-0.002	19666	3.016	70338	Call Put
Dec'17	-	3.212	3.127	3.164	18:01 Jun 22	3.164	0.001	16365	3.163	63852	Call Put
Jan'18	-	3.303	3.224	3.259	18:01 Jun 22	3.259	0.001	21228	3.258	111739	Call Put
Feb'18	-	3.287	3.208	3.246	18:01 Jun 22	3.246	0.001	7349	3.245	43130	Call Put
Mar'18	-	3.222	3.152	3.185	18:01 Jun 22	3.185	-	13788	3.185	77198	Call Put
Apr'18	-	2.853	2.816	2.835	18:01 Jun 22	2.835	-0.004	12433	2.839	83499	Call Put
May'18	-	2.823	2.801	2.806	18:01 Jun 22	2.806	-0.004	5804	2.810	35070	Call Put
Jun'18	-	2.850	2.818	2.834	18:01 Jun 22	2.834	-0.004	4234	2.838	19464	Call Put
Jul'18	-	2.876	2.850	2.863	18:01 Jun 22	2.863	-0.003	2429	2.866	25778	Call Put
Aug'18	-	2.880	2.866	2.870	18:01 Jun 22	2.870	-0.003	1272	2.873	17071	Call Put
Sep'18	-	2.857	2.842	2.846	18:01 Jun 22	2.846	-0.003	1978	2.849	16866	Call Put
Oct'18	-	2.874	2.850	2.864	18:01 Jun 22	2.864	-0.002	2314	2.866	39560	Call Put
Nov'18	-	2.916	2.910	2.913	18:01 Jun 22	2.913	-0.002	949	2.915	19037	Call Put
Dec'18	-	3.052	3.043	3.047	18:01 Jun 22	3.047	-0.002	940	3.049	20258	Call Put
Jan'19	-	3.141	3.132	3.135	18:01 Jun 22	3.135	-0.002	390	3.137	11067	Call Put
Feb'19	-	3.119	3.114	3.114	18:01 Jun 22	3.114	-0.002	248	3.116	3161	Call Put
Mar'19	-	3.056	3.043	3.052	18:01 Jun 22	3.052	-0.001	773	3.053	5070	Call Put
Apr'19	-	2.733	2.730	2.727	18:01 Jun 22	2.727	-0.001	182	2.728	5642	Call Put
May'19	-	2.710	2.703	2.698	18:01 Jun 22	2.698	-0.001	56	2.699	1535	Call Put
Jun'19	-	2.743	2.730	2.729	18:01 Jun 22	2.729	-0.001	16	2.730	1428	Call Put
Jul'19	-	-	-	2.761	18:01 Jun 22	2.760	-0.001	27	2.761	1329	Call Put
Aug'19	-	-	-	2.775	18:01 Jun 22	2.774	-0.001	15	2.775	1213	Call Put
Sep'19	-	-	-	2.768	18:01 Jun 22	2.767	-0.001	-	2.768	1115	Call Put
Oct'19	-	-	-	2.794	18:01 Jun 22	2.793	-0.001	-	2.794	2159	Call Put
Nov'19	-	-	-	2.869	18:01 Jun 22	2.867	-0.002	5	2.869	1345	Call Put
Dec'19	-	-	-	3.014	18:01 Jun 22	3.012	-0.002	-	3.014	1350	Call Put
Jan'20	-	3.120	3.118	3.118	18:01 Jun 22	3.118	-0.002	7	3.120	950	Call Put
Feb'20	3.090	3.090	3.090	3.090	18:01 Jun 22	3.090	-	2	3.090	537	Call Put
Mar'20	3.027	3.027	3.027	3.027	18:01 Jun 22	3.027	-	2	3.027	606	Call Put
Apr'20	-	-	-	2.699	18:01 Jun 22	2.702	0.003	-	2.699	761	Call Put
May'20	-	-	-	2.672	18:01 Jun 22	2.690	0.003	-	2.687	639	Call Put
Jun'20	-	-	-	2.705	18:01 Jun 22	2.723	0.003	-	2.720	543	Call Put
Jul'20	-	-	-	2.740	18:01 Jun 22	2.758	0.003	-	2.755	526	Call Put
Aug'20	-	-	-	2.765	18:01 Jun 22	2.783	0.003	-	2.780	488	Call Put
Sep'20	-	-	-	2.767	18:01 Jun 22	2.785	0.003	-	2.782	488	Call Put
Oct'20	-	-	-	2.793	18:01 Jun 22	2.811	0.003	-	2.808	514	Call Put
Nov'20	-	-	-	2.871	18:01 Jun 22	2.888	0.003	-	2.885	521	Call Put
Dec'20	-	-	-	3.017	18:01 Jun 22	3.033	0.003	-	3.030	819	Call Put
Jan'21	-	-	-	3.134	18:01 Jun 22	3.148	0.003	-	3.145	141	Call Put

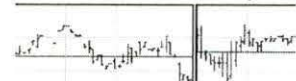
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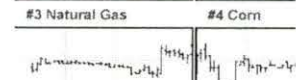
Movers Extreme

Dramatic price change

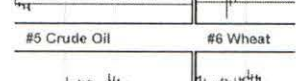
#1 Oats #2 Soybean f



#3 Natural Gas #4 Corn



#5 Crude Oil #6 Wheat



Lt Crude 43.38	Feb'21	Gold 1244.5	Euro 1.12400	3.103	18:01 Jun 22	3.116	0.003	-	3.113	132	Call Put
Nat Gas 3.023	Corn 358 1/8	Copper 2.6235	USD Index 97.855	18:01 Jun 22	18:01 Jun 22	18:01 Jun 22	18:01 Jun 22	18:01 Jun 22	3.049	119	Call Put

**ASSIGNMENT OF PIPELINE, REGULATOR STATION,  
METER SITE AND PIPELINE TAP**

THIS AGREEMENT made as of the 8<sup>th</sup> day of February 2001, by and between Clay Gas Utility District, a Tennessee Gas Utility District, herein called "Assignor", and Daugherty Petroleum, Inc., a Kentucky corporation, herein called "Assignee".

For and in consideration of the sum of \$1.00 per dekatherm (one thousand (1,000) Btu's) of natural gas transported through the Properties to entities other than the Assignor and other adequate consideration Assignor, named above, grants, and assigns to Assignee, named above, all of Assignor's rights, title, and interests in the operations and use of the Pipeline (including easements and right of ways), the Regulator Station, Meter Site and Pipeline Tap (the "Properties"), as more particularly described in Exhibit "A". Exhibit "A" is incorporated into this Assignment for all purposes.

For like consideration, Assignor grants, and conveys to Assignee all of Assignor's rights, title, and interests in the operations and use of all pertinent equipment, personal property, and fixtures relating to the Properties. Assignor reserves the ownership of and in the Properties subject to the Assignee's right to operate and use said Properties.

This Assignment shall be in force for a term from February 15, 2001 through July 31, 2001. The term of this Agreement shall be extended automatically and without further notice beyond its initial term for a term equal to and consistent with any extensions of the Gas Purchase Agreement this date entered into by the parties hereto.

The Assignee shall make payment for amounts due pursuant to this Agreement by monthly offsetting the amounts against sums of money due to the Assignee under the terms of the above referenced Gas Purchase Agreement.

This Assignment is made by Assignor to Assignee subject to the rights of the terms, conditions and obligations created as the result of the \$3,250,000 Gas System Revenue Bonds, Series 1998 issued by the Assignor and Assignee's rights shall be governed by any other documents found of record in the county where the Properties are located, including but not limited to, easements and rights of way agreements.

Assignee agrees that after the Effective Date stated above, the operation of the Properties shall be conducted at the sole discretion, risk, cost, and expense of Assignee. Assignee assumes sole liability and responsibility for the operations and maintenance of the Properties from and after the Effective Date. Assignee agrees to indemnify and hold harmless Assignor, its agents, employees, and assigns, from any and all liability, claims, damages, or causes of action arising out of Assignee's operation of the Properties, on or after the Effective Date. \*

Notwithstanding the above, Assignor agrees to indemnify and hold harmless Assignee, its agents, employees, and assigns, from any and all liability, claims, damages,

\* ASSIGNEE AGREES THAT IT WILL NOT ADD ADDITIONAL TAPS TO THE 8 INCH LINE WITHOUT THE PRIOR CONSENT OF THE ASSIGNOR WHICH CONSENT SHALL NOT BE UNREASONABLY WITHHELD

WGP  
1/11/01

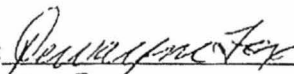
or causes of action arising out of Assignor's design, construction and past operation of the Properties prior to the Effective Date. Furthermore, the Assignor shall be responsible for any repair or replacement of the Properties arising from any cause other than the Assignee's negligence or failure to maintain the Properties. The Assignor agrees to maintain general liability, causality and property insurance coverage on the Properties and to name the Assignee as an additional insured on said policies.

This Agreement shall be effective as of 8 AM February 15, 2001 (the "Effective Date").


As to all matters of construction and interpretation, this Assignment shall be interpreted, construed and governed by the laws of the State of Kentucky, without regard to principles or conflicts of law otherwise applicable to such determination.

Assignor and Assignee execute this Assignment as of the date of acknowledgment of Assignor's and Assignee's signatures below, but is effective for all purposes as of the Effective Date stated above.

**Assignor**  
Clay Gas Utility District

By:   
Dewayne Fox  
President

**Assignor**  
Daugherty Petroleum, Inc.

By:   
William G. Barr III  
Vice President

Prepared by:



William G. Barr III  
Vice President  
Daugherty Petroleum, Inc.  
120 Prosperous Place, Suite 201  
Lexington, KY 40509  
859.263.3948