

May 1, 2018

Ms. Gwen Pinson  
Executive Director  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, KY 40601

RECEIVED

MAY 01 2018

PUBLIC SERVICE  
COMMISSION

**RE: Case No. 2014-00350**

Dear Ms. Pinson:

Pursuant to the Commission's Order issued on March 27, 2015, in the above referenced case, Columbia Gas of Kentucky, Inc. ("Columbia") submits the following regarding the PBR annual report as Ordered therein.

The attached monthly reports provide the savings of each of the individual components and a monthly summary. The reports are for the period February 2017 through March 2018. These reports support the calculation of the PBR Adjustment set forth on Schedule No. 6 of Columbia's Gas Cost Adjustment, also filed today.

If you have questions, please don't hesitate to contact me at 859-288-0242 or [jmcoop@nisource.com](mailto:jmcoop@nisource.com). Thank you for your attention to this matter.

Sincerely,

  
Judy M. Cooper  
Director, Regulatory Policy

**FEBRUARY 2017**

**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: Feb-17**

<u>Ln.</u>	<u>PBR Component Description</u>	<u>Feb-17 ESTIMATE</u>	<u>Feb-17 ACTUAL</u>	
1	CPS = (TPBR) x ASP	\$12,653.36	\$12,210.72	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$331,571.28</u>	<u>\$332,309.02</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$344,224.64</b>	<b>\$344,519.73</b>	
4	TCI (includes Marketed CapR)	\$670,923.31	\$670,923.31	
5	GCI	\$0.00	\$0.00	
6	OSSI			
	Sales	\$1,680.00	\$1,680.00	
	Exch	\$32,717.11 (1)	\$32,717.11	
7	TPBR = (TCI+GCI+OSSI)	\$705,320.42	\$705,320.42	
8	AGC (**Total Gas Cost)	\$2,108,893.48	\$2,035,119.36	
	Sys Supply Purch	\$0.00	\$0.00	
	Chesapeake	\$181,358.24 (est)	\$123,859.68 (act)	
	Misc Adjustment	\$0.00	\$0.00	
	Transportation	\$1,927,535.24	\$1,911,259.68	
9	2% of AGC	\$42,177.87	\$40,702.39	
10	PAC = (TPBR) / AGC	33.45%	34.66%	

**Acronyms:**

CPS = Company Performance Share

TPBR = Total Performance Based Results

ASP = Applicable Sharing Percentage

PAC = Percent of Actual Gas Costs

AGC = Actual Gas Costs

TCI = Transportation Cost Incentive

OSSI = Off-System Sales Incentive

GCI = Gas Cost Incentive

\*\*Total Gas Cost = System Supply Purchase + Transportation Costs

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Feb-17**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Estimate</u>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0955	Demand Vol @ Max Rate	\$309,548.32	\$309,548.32
		TCO	80160	SST	190,880	\$6.2580	Demand Vol @ Max Rate	\$1,194,527.04	\$1,194,527.04
		TCO	81540	SST	30,000	\$6.2580	Demand Vol @ Max Rate	<u>\$187,740.00</u>	<u>\$187,740.00</u>
								\$1,691,815.36	\$1,691,815.36
						<u>Disc Rate</u>			
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$93,989.25	\$93,989.25
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$798,832.80	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$125,550.00	\$125,550.00
LESS: Marketed Cap Release		TCO	SST		3,000	\$0.8400		<u>\$2,520.00</u>	<u>\$2,520.00</u>
								\$1,020,892.05	\$1,020,892.05
							<b>Total TCI</b>	<b>\$670,923.31</b>	<b>\$670,923.31</b>

**TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)

**TATC -** Total Actual Transportation Cost (from Transportation Closing Report)

**TCI -** Transportation Cost Incentive

**CKY GCI CALCULATION**

**Flow Period: Feb-17**

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price Natural Gas Week (NGW)			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main (Rayne)	TGP 500	TCO P10	CGT Main	TGP 500
2/1/17	\$3.1600	\$3.2800	\$3.3100	\$2.8850	\$2.9200	\$2.9150	\$2.8900	\$2.9500	\$3.0200	\$2.9783	\$3.0500	\$3.0817
2/2/17	\$3.1600	\$3.2800	\$3.3100	\$2.9550	\$3.0100	\$3.0200	\$2.8900	\$2.9500	\$3.0200	\$3.0017	\$3.0800	\$3.1167
2/3/17	\$3.1600	\$3.2800	\$3.3100	\$2.9450	\$3.0150	\$3.0200	\$2.8900	\$2.9500	\$3.0200	\$2.9983	\$3.0817	\$3.1167
2/4/17	\$3.1600	\$3.2800	\$3.3100	\$2.8500	\$2.9000	\$2.8950	\$2.8900	\$2.9500	\$3.0200	\$2.9667	\$3.0433	\$3.0750
2/5/17	\$3.1600	\$3.2800	\$3.3100	\$2.8500	\$2.9000	\$2.8950	\$2.8900	\$2.9500	\$3.0200	\$2.9667	\$3.0433	\$3.0750
2/6/17	\$3.1600	\$3.2800	\$3.3100	\$2.8500	\$2.9000	\$2.8950	\$2.8900	\$2.9500	\$3.0200	\$2.9667	\$3.0433	\$3.0750
2/7/17	\$3.1600	\$3.2800	\$3.3100	\$2.7650	\$2.8000	\$2.8200	\$2.8000	\$2.8300	\$2.8700	\$2.9083	\$2.9700	\$3.0000
2/8/17	\$3.1600	\$3.2800	\$3.3100	\$2.8700	\$2.9300	\$2.9200	\$2.8000	\$2.8300	\$2.8700	\$2.9433	\$3.0133	\$3.0333
2/9/17	\$3.1600	\$3.2800	\$3.3100	\$2.8900	\$2.9800	\$2.9800	\$2.8000	\$2.8300	\$2.8700	\$2.9500	\$3.0300	\$3.0533
2/10/17	\$3.1600	\$3.2800	\$3.3100	\$2.9250	\$2.9600	\$3.0000	\$2.8000	\$2.8300	\$2.8700	\$2.9617	\$3.0233	\$3.0600
2/11/17	\$3.1600	\$3.2800	\$3.3100	\$2.7350	\$2.7950	\$2.8100	\$2.8000	\$2.8300	\$2.8700	\$2.8983	\$2.9683	\$2.9967
2/12/17	\$3.1600	\$3.2800	\$3.3100	\$2.7350	\$2.7950	\$2.8100	\$2.8000	\$2.8300	\$2.8700	\$2.8983	\$2.9683	\$2.9967
2/13/17	\$3.1600	\$3.2800	\$3.3100	\$2.7350	\$2.7950	\$2.8100	\$2.8000	\$2.8300	\$2.8700	\$2.8983	\$2.9683	\$2.9967
2/14/17	\$3.1600	\$3.2800	\$3.3100	\$2.7600	\$2.8000	\$2.8100	\$2.5700	\$2.6400	\$2.6800	\$2.8300	\$2.9067	\$2.9333
2/15/17	\$3.1600	\$3.2800	\$3.3100	\$2.6800	\$2.7900	\$2.8000	\$2.5700	\$2.6400	\$2.6800	\$2.8033	\$2.9033	\$2.9300
2/16/17	\$3.1600	\$3.2800	\$3.3100	\$2.7450	\$2.7950	\$2.8200	\$2.5700	\$2.6400	\$2.6800	\$2.8250	\$2.9050	\$2.9367
2/17/17	\$3.1600	\$3.2800	\$3.3100	\$2.6350	\$2.6850	\$2.6950	\$2.5700	\$2.6400	\$2.6800	\$2.7883	\$2.8683	\$2.8950
2/18/17	\$3.1600	\$3.2800	\$3.3100	\$2.5000	\$2.6100	\$2.6250	\$2.5700	\$2.6400	\$2.6800	\$2.7433	\$2.8433	\$2.8717
2/19/17	\$3.1600	\$3.2800	\$3.3100	\$2.5000	\$2.6100	\$2.6250	\$2.5700	\$2.6400	\$2.6800	\$2.7433	\$2.8433	\$2.8717
2/20/17	\$3.1600	\$3.2800	\$3.3100	\$2.5000	\$2.6100	\$2.6250	\$2.5700	\$2.6400	\$2.6800	\$2.7433	\$2.8433	\$2.8717
2/21/17	\$3.1600	\$3.2800	\$3.3100	\$2.5000	\$2.6100	\$2.6250	\$2.3300	\$2.4600	\$2.4900	\$2.6633	\$2.7833	\$2.8083
2/22/17	\$3.1600	\$3.2800	\$3.3100	\$2.2750	\$2.4100	\$2.4250	\$2.3300	\$2.4600	\$2.4900	\$2.5883	\$2.7167	\$2.7417
2/23/17	\$3.1600	\$3.2800	\$3.3100	\$2.2800	\$2.4100	\$2.4300	\$2.3300	\$2.4600	\$2.4900	\$2.5900	\$2.7167	\$2.7433
2/24/17	\$3.1600	\$3.2800	\$3.3100	\$2.3450	\$2.4100	\$2.4800	\$2.3300	\$2.4600	\$2.4900	\$2.6117	\$2.7167	\$2.7600
2/25/17	\$3.1600	\$3.2800	\$3.3100	\$2.2950	\$2.3500	\$2.3900	\$2.3300	\$2.4600	\$2.4900	\$2.5950	\$2.6967	\$2.7300
2/26/17	\$3.1600	\$3.2800	\$3.3100	\$2.2950	\$2.3500	\$2.3900	\$2.3300	\$2.4600	\$2.4900	\$2.5950	\$2.6967	\$2.7300
2/27/17	\$3.1600	\$3.2800	\$3.3100	\$2.2950	\$2.3500	\$2.3900	\$2.3300	\$2.4600	\$2.4900	\$2.5950	\$2.6967	\$2.7300
2/28/17	\$3.1600	\$3.2800	\$3.3100	\$2.3050	\$2.3750	\$2.4150	\$2.3600	\$2.4500	\$2.5100	\$2.6083	\$2.7017	\$2.7450
<b>Avg Rate</b>	\$3.1600	\$3.2800	\$3.3100	\$2.6393	\$2.7095	\$2.7263	\$2.6286	\$2.7021	\$2.7468	\$2.8093	\$2.8972	\$2.9277

**MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ESTIMATE**

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	0	\$0.00	\$0.00	\$0.00
CGT	ML	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$0.00

**MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ACTUAL**

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	0	\$0.00	\$0.00	\$0.00
CGT	ML	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$0.00

\*COLUMBIA GAS OF KENTUCKY  
 Off-System Sales - SALES Activity Booking Report  
 Feb-17 Actual & Estimate

DATA *	SALES TYPE **	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
						VOLUMES INVOICED	SALES RATE	TOTAL SALE	
						Dth	\$/Dth	\$	
I	S	2/1/17	2/1/17 TCO		WV	168,000	\$3.1210	\$524,328.00	\$1,680.00
						168,000		\$524,328.00	\$1,680.00

**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - EXCHANGE Activity Report**  
**Feb-17 Actual & Estimate**

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS DELIVERY EXPIRED	STATE OF SALE	Sales Amounts			Current Month Proration				
										VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE	TRANSPORT COST	TOTAL SALE	MARGIN		
E	E	OPP	S0239669	4/1/16	2/1/17	2/1/17	11	11	WV	140000	\$0.5000	\$70,000.00	\$0.00	\$6,363.64	\$6,363.64		
E	E	OPP	S0239673	5/1/16	2/1/17	2/1/17	10	10	WV	140,000	\$0.4400	\$61,600.00	\$0.00	\$6,160.00	\$6,160.00		
E	E	OPP	S0239858	6/1/16	2/1/17	2/1/17	9	9	WV	70,000	\$0.6350	\$44,450.00	\$0.00	\$4,938.89	\$4,938.89		
E	E	OPP	S0239859	6/1/16		3/1/17	10	9	WV	77,500	\$0.6350	\$49,212.50	\$0.00	\$4,921.25	\$4,921.25		
E	E	OPP	S0240234	4/1/16		3/1/17	12	11	WV	155,000	\$0.8000	\$124,000.00	\$0.00	\$10,333.33	\$10,333.33		
										5		582,500		\$349,262.50		\$32,717.11	\$32,717.11

**MARCH 2017**



**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: Mar-17**

<u>Ln.</u>	<u>PBR Component Description</u>	<u>Mar-17</u> <u>ESTIMATE</u>	<u>Mar-17</u> <u>ACTUAL</u>	
1	CPS = (TPBR) x ASP	\$12,387.29	\$12,010.42	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$325,845.57</u>	<u>\$326,473.70</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$338,232.87</b>	<b>\$338,484.12</b>	
4	TCI (includes Marketed CapR)	\$673,443.31	\$673,443.31	
5	GCI	\$0.00	\$0.00	
6	OSSI			
	Sales	\$4,284.24	\$4,284.24	
	Exch	\$15,254.58 (1)	\$15,254.58	
7	TPBR = (TCI+GCI+OSSI)	\$692,982.13	\$692,982.13	
8	AGC (**Total Gas Cost)	\$2,064,549.05	\$2,001,736.19	
	Sys Supply Purch	\$0.00	\$0.00	
	Chesapeake	\$142,647.12 (est)	\$93,884.56 (act)	
	Misc Adjustment	\$0.00	\$0.00	
	Transportation	\$1,921,901.93	\$1,907,851.63	
9	2% of AGC	\$41,290.98	\$40,034.72	
10	PAC = (TPBR) / AGC	33.57%	34.62%	

Acronyms:

CPS = Company Performance Share

TPBR = Total Performance Based Results

ASP = Applicable Sharing Percentage

PAC = Percent of Actual Gas Costs

AGC = Actual Gas Costs

TCI = Transportation Cost Incentive

OSSI = Off-System Sales Incentive

GCI = Gas Cost Incentive

\*\*Total Gas Cost = System Supply Purchase + Transportation Costs

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Mar-17**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Estimate</u>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0955	Demand Vol @ Max Rate	\$309,548.32	\$309,548.32
		TCO	80160	SST	190,880	\$6.2580	Demand Vol @ Max Rate	\$1,194,527.04	\$1,194,527.04
		TCO	81540	SST	30,000	\$6.2580	Demand Vol @ Max Rate	<u>\$187,740.00</u>	<u>\$187,740.00</u>
								\$1,691,815.36	\$1,691,815.36
						<u>Disc Rate</u>			
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$93,989.25	\$93,989.25
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$798,832.80	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$125,550.00	\$125,550.00
LESS: Marketed Cap Release		TCO	SST		0	\$0.0000		<u>\$0.00</u>	<u>\$0.00</u>
								\$1,018,372.05	\$1,018,372.05
							<b>Total TCI</b>	<b>\$673,443.31</b>	<b>\$673,443.31</b>

**TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)

**TATC -** Total Actual Transportation Cost (from Transportation Closing Report)

**TCI -** Transportation Cost Incentive

**CKY GCI CALCULATION**

**Flow Period: Mar-17**

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price Natural Gas Week (NGW) (Rayne)			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500
	3/1/17	\$2.3800	\$2.5000	\$2.5400	\$2.3350	\$2.4250	\$2.4550	\$2.3600	\$2.4500	\$2.5100	\$2.3583	\$2.4583
3/2/17	\$2.3800	\$2.5000	\$2.5400	\$2.4250	\$2.5050	\$2.5350	\$2.3600	\$2.4500	\$2.5100	\$2.3883	\$2.4850	\$2.5283
3/3/17	\$2.3800	\$2.5000	\$2.5400	\$2.4150	\$2.4950	\$2.5500	\$2.3600	\$2.4500	\$2.5100	\$2.3850	\$2.4817	\$2.5333
3/4/17	\$2.3800	\$2.5000	\$2.5400	\$2.3750	\$2.4650	\$2.5250	\$2.3600	\$2.4500	\$2.5100	\$2.3717	\$2.4717	\$2.5250
3/5/17	\$2.3800	\$2.5000	\$2.5400	\$2.3750	\$2.4650	\$2.5250	\$2.3600	\$2.4500	\$2.5100	\$2.3717	\$2.4717	\$2.5250
3/6/17	\$2.3800	\$2.5000	\$2.5400	\$2.3750	\$2.4650	\$2.5250	\$2.3600	\$2.4500	\$2.5100	\$2.3717	\$2.4717	\$2.5250
3/7/17	\$2.3800	\$2.5000	\$2.5400	\$2.5300	\$2.5950	\$2.6300	\$2.8000	\$2.7800	\$2.7500	\$2.5700	\$2.6250	\$2.6400
3/8/17	\$2.3800	\$2.5000	\$2.5400	\$2.4600	\$2.5300	\$2.5550	\$2.8000	\$2.7800	\$2.7500	\$2.5467	\$2.6033	\$2.6150
3/9/17	\$2.3800	\$2.5000	\$2.5400	\$2.5650	\$2.6400	\$2.6600	\$2.8000	\$2.7800	\$2.7500	\$2.5817	\$2.6400	\$2.6500
3/10/17	\$2.3800	\$2.5000	\$2.5400	\$2.7200	\$2.7700	\$2.7750	\$2.8000	\$2.7800	\$2.7500	\$2.6333	\$2.6833	\$2.6883
3/11/17	\$2.3800	\$2.5000	\$2.5400	\$2.8450	\$2.8900	\$2.9100	\$2.8000	\$2.7800	\$2.7500	\$2.6750	\$2.7233	\$2.7333
3/12/17	\$2.3800	\$2.5000	\$2.5400	\$2.8450	\$2.8900	\$2.9100	\$2.8000	\$2.7800	\$2.7500	\$2.6750	\$2.7233	\$2.7333
3/13/17	\$2.3800	\$2.5000	\$2.5400	\$2.8450	\$2.8900	\$2.9100	\$2.8000	\$2.7800	\$2.7500	\$2.6750	\$2.7233	\$2.7333
3/14/17	\$2.3800	\$2.5000	\$2.5400	\$2.9950	\$2.9850	\$2.9900	\$2.8100	\$2.7900	\$2.7900	\$2.7283	\$2.7583	\$2.7733
3/15/17	\$2.3800	\$2.5000	\$2.5400	\$2.9850	\$2.9550	\$2.9800	\$2.8100	\$2.7900	\$2.7900	\$2.7250	\$2.7483	\$2.7700
3/16/17	\$2.3800	\$2.5000	\$2.5400	\$2.9150	\$2.9250	\$2.9450	\$2.8100	\$2.7900	\$2.7900	\$2.7017	\$2.7383	\$2.7583
3/17/17	\$2.3800	\$2.5000	\$2.5400	\$2.7450	\$2.7700	\$2.7950	\$2.8100	\$2.7900	\$2.7900	\$2.6450	\$2.6867	\$2.7083
3/18/17	\$2.3800	\$2.5000	\$2.5400	\$2.7100	\$2.7350	\$2.7550	\$2.8100	\$2.7900	\$2.7900	\$2.6333	\$2.6750	\$2.6950
3/19/17	\$2.3800	\$2.5000	\$2.5400	\$2.7100	\$2.7350	\$2.7550	\$2.8100	\$2.7900	\$2.7900	\$2.6333	\$2.6750	\$2.6950
3/20/17	\$2.3800	\$2.5000	\$2.5400	\$2.7100	\$2.7350	\$2.7550	\$2.8100	\$2.7900	\$2.7900	\$2.6333	\$2.6750	\$2.6950
3/21/17	\$2.3800	\$2.5000	\$2.5400	\$2.7950	\$2.8500	\$2.8700	\$2.7800	\$2.8500	\$2.8800	\$2.6517	\$2.7333	\$2.7633
3/22/17	\$2.3800	\$2.5000	\$2.5400	\$2.9200	\$2.9800	\$2.9950	\$2.7800	\$2.8500	\$2.8800	\$2.6933	\$2.7767	\$2.8050
3/23/17	\$2.3800	\$2.5000	\$2.5400	\$2.8450	\$2.8900	\$2.9200	\$2.7800	\$2.8500	\$2.8800	\$2.6683	\$2.7467	\$2.7800
3/24/17	\$2.3800	\$2.5000	\$2.5400	\$2.7400	\$2.8300	\$2.8550	\$2.7800	\$2.8500	\$2.8800	\$2.6333	\$2.7267	\$2.7583
3/25/17	\$2.3800	\$2.5000	\$2.5400	\$2.7300	\$2.8350	\$2.8750	\$2.7800	\$2.8500	\$2.8800	\$2.6300	\$2.7283	\$2.7650
3/26/17	\$2.3800	\$2.5000	\$2.5400	\$2.7300	\$2.8350	\$2.8750	\$2.7800	\$2.8500	\$2.8800	\$2.6300	\$2.7283	\$2.7650
3/27/17	\$2.3800	\$2.5000	\$2.5400	\$2.7300	\$2.8350	\$2.8750	\$2.7800	\$2.8500	\$2.8800	\$2.6300	\$2.7283	\$2.7650
3/28/17	\$2.3800	\$2.5000	\$2.5400	\$2.7900	\$2.8700	\$2.9200	\$2.7800	\$2.9500	\$2.9800	\$2.6500	\$2.7733	\$2.8133
3/29/17	\$2.3800	\$2.5000	\$2.5400	\$2.8100	\$2.8750	\$2.9050	\$2.7800	\$2.9500	\$2.9800	\$2.6567	\$2.7750	\$2.8083
3/30/17	\$2.3800	\$2.5000	\$2.5400	\$2.8950	\$2.9750	\$3.0000	\$2.7800	\$2.9500	\$2.9800	\$2.6850	\$2.8083	\$2.8400
3/31/17	\$2.3800	\$2.5000	\$2.5400	\$2.9000	\$2.9600	\$2.9950	\$2.7800	\$2.9500	\$2.9800	\$2.6867	\$2.8033	\$2.8383
<b>Avg Rate</b>	\$2.3800	\$2.5000	\$2.5400	\$2.6843	\$2.7425	\$2.7723	\$2.7025	\$2.7354	\$2.7493	\$2.5889	\$2.6593	\$2.6872

**MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ESTIMATE**

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	0	\$0.00	\$0.00	\$0.00
CGT	ML	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$0.00

**MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ACTUAL**

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	0	\$0.00	\$0.00	\$0.00
CGT	ML	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$0.00

COLUMBIA GAS OF KENTUCKY  
 Off-System Sales - SALES Activity Booking Report  
 Mar-17 Actual & Estimate

DATA * STATUS	SALES TYPE **	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
							Sales Amounts			
							VOLUMES INVOICED  Dth	SALES RATE  \$/Dth	TOTAL SALE  \$	
I	S	S0244294	3/1/17	3/1/17	TCO	WV	10,000	\$2.8200	\$28,200.00	\$75.00
I	S	S0244304	3/1/17	3/1/17	TCO	WV	7,500	\$2.8700	\$21,525.00	\$431.25
I	S	S0244207	3/1/17	3/1/17	TCO	WV	10,000	\$2.9400	\$29,400.00	\$925.50
I	S	S0244210	3/1/17	3/1/17	TCO	WV	10,000	\$2.9400	\$29,400.00	\$750.00
I	S	S0244215	3/1/17	3/1/17	TCO	WV	5,000	\$2.9400	\$14,700.00	\$400.00
I	S	S0244217	3/1/17	3/1/17	TCO	WV	5,200	\$2.9600	\$15,392.00	\$988.00
I	S	S0244223	3/1/17	3/1/17	TCO	WV	1,900	\$2.7475	\$5,220.25	\$33.25
I	S	S0244224	3/1/17	3/1/17	TCO	WV	8,100	\$2.7475	\$22,254.75	\$105.22
I	S	S0244226	3/1/17	3/1/17	TCO	WV	3,400	\$2.7475	\$9,341.50	\$59.50
I	S	S0244227	3/1/17	3/1/17	TCO	WV	6,600	\$2.7475	\$18,133.50	\$130.22
I	S	S0244255	3/1/17	3/1/17	TCO	WV	4,100	\$2.7775	\$11,387.75	\$205.00
I	S	S0244292	3/1/17	3/1/17	TCO	WV	5,000	\$2.8200	\$14,100.00	\$25.00
I	S	S0244293	3/1/17	3/1/17	TCO	WV	15,000	\$2.8250	\$42,375.00	\$156.30
							13	91,800	\$261,429.75	\$4,284.24

**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - EXCHANGE Activity Report**  
**Mar-17 Actual & Estimate**

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	INVOICE MONTH	# OF	# OF	STATE OF SALE	Sales Amounts			Current Month Proration		
				FLOW DATE	FLOW DATE		MONTHS IN TERM	MONTHS EXPIRED		DELIVERY POINT	VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	TOTAL SALE
E	E	OPP	S0239859	6/1/16	3/1/17	3/1/17	10	10	WV	77500	\$0.6350	\$49,212.50	\$0.00	\$4,921.25	\$4,921.25
E	E	OPP	S0240234	4/1/16	3/1/17	3/1/17	12	12	WV	155,000	\$0.8000	\$124,000.00	\$0.00	\$10,333.33	\$10,333.33
			2							232,500		\$173,212.50		\$15,254.58	\$15,254.58

APRIL 2017

**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: Apr-17**

		<b>Apr-17</b>	
<u>Ln.</u>	<u>PBR Component Description</u>		
1	CPS = (TPBR) x ASP	\$32,898.73	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$197,422.71</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$230,321.44</b>	
4	TCI (includes Marketed CapR)	\$450,001.30	
5	GCI	\$48,468.58	
6	OSSI	\$4,022.96	
	Sales	\$4,022.96	
	Exch	\$2,015.00	(1)
7	TPBR = (TCI+GCI+OSSI)	\$504,507.84	
8	AGC (**Total Gas Cost)	\$5,483,121.17	
	Sys Supply Purch	\$3,958,187.75	
	Chesapeake	\$76,028.76	
	Misc Adjustment	\$0.00	
	Transportation	\$1,448,904.66	
9	2% of AGC	\$109,662.42	
10	PAC = (TPBR) / AGC	9.20%	

**Acronyms:**

CPS = Company Performance Share  
 TPBR = Total Performance Based Results  
 ASP = Applicable Sharing Percentage  
 PAC = Percent of Actual Gas Costs  
 AGC = Actual Gas Costs  
 TCI = Transportation Cost Incentive  
 OSSI = Off-System Sales Incentive  
 GCI = Gas Cost Incentive

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Apr-17**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0955	Demand Vol @ Max Rate	\$309,548.32
		TCO	80160	SST	95,440	\$6.2260	Demand Vol @ Max Rate	\$594,209.44
		TCO	81540	SST	15,000	\$6.2260	Demand Vol @ Max Rate	<u>\$93,390.00</u>
								\$997,147.76
						<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$93,989.26
		TCO	80160	SST	95,440	\$4.1850	Demand Vol @ Disc Rate	\$399,416.40
		TCO	81540	SST	15,000	\$4.1850	Demand Vol @ Disc Rate	\$62,775.00
LESS: Marketed Cap Release		<b>TCO</b>	<b>SST</b>		<b>0</b>	<b>\$0.0000</b>		<u>\$0.00</u>
								\$556,180.66
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$9,034.20
							<b>Total TCI</b>	<b>\$450,001.30</b>

**TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)

**TATC -** Total Actual Transportation Cost (from Transportation Closing Report)

**TCI -** Transportation Cost Incentive



**CKY GCI CALCULATION**

**Flow Period: Apr-17**

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price Natural Gas Week (NGW)			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main (Rayne)	TGP 500	TCO P10	CGT Main	TGP 500
4/1/17	\$2.9900	\$3.0600	\$3.0900	\$2.9400	\$2.9750	\$2.9950	\$2.9100	\$2.9500	\$2.9800	\$2.9467	\$2.9950	\$3.0217
4/2/17	\$2.9900	\$3.0600	\$3.0900	\$2.9400	\$2.9750	\$2.9950	\$2.9100	\$2.9500	\$2.9800	\$2.9467	\$2.9950	\$3.0217
4/3/17	\$2.9900	\$3.0600	\$3.0900	\$2.9400	\$2.9750	\$2.9950	\$2.9100	\$2.9500	\$2.9800	\$2.9467	\$2.9950	\$3.0217
4/4/17	\$2.9900	\$3.0600	\$3.0900	\$2.9300	\$2.9350	\$2.9550	\$3.0500	\$3.0800	\$3.0800	\$2.9900	\$3.0250	\$3.0417
4/5/17	\$2.9900	\$3.0600	\$3.0900	\$2.9950	\$3.0200	\$3.0150	\$3.0500	\$3.0800	\$3.0800	\$3.0117	\$3.0533	\$3.0617
4/6/17	\$2.9900	\$3.0600	\$3.0900	\$3.1150	\$3.1350	\$3.1550	\$3.0500	\$3.0800	\$3.0800	\$3.0517	\$3.0917	\$3.1083
4/7/17	\$2.9900	\$3.0600	\$3.0900	\$3.1300	\$3.1200	\$3.1650	\$3.0500	\$3.0800	\$3.0800	\$3.0567	\$3.0867	\$3.1117
4/8/17	\$2.9900	\$3.0600	\$3.0900	\$3.0650	\$3.0750	\$3.1050	\$3.0500	\$3.0800	\$3.0800	\$3.0350	\$3.0717	\$3.0917
4/9/17	\$2.9900	\$3.0600	\$3.0900	\$3.0650	\$3.0750	\$3.1050	\$3.0500	\$3.0800	\$3.0800	\$3.0350	\$3.0717	\$3.0917
4/10/17	\$2.9900	\$3.0600	\$3.0900	\$3.0650	\$3.0750	\$3.1050	\$3.0500	\$3.0800	\$3.0800	\$3.0350	\$3.0717	\$3.0917
4/11/17	\$2.9900	\$3.0600	\$3.0900	\$3.0450	\$3.0350	\$3.0350	\$2.9800	\$2.9300	\$2.9700	\$3.0050	\$3.0083	\$3.0317
4/12/17	\$2.9900	\$3.0600	\$3.0900	\$2.9550	\$2.9400	\$2.9750	\$2.9800	\$2.9300	\$2.9700	\$2.9750	\$2.9767	\$3.0117
4/13/17	\$2.9900	\$3.0600	\$3.0900	\$2.9650	\$2.9300	\$2.9350	\$2.9800	\$2.9300	\$2.9700	\$2.9783	\$2.9733	\$2.9983
4/14/17	\$2.9900	\$3.0600	\$3.0900	\$2.9750	\$2.9200	\$2.9500	\$2.9800	\$2.9300	\$2.9700	\$2.9817	\$2.9700	\$3.0033
4/15/17	\$2.9900	\$3.0600	\$3.0900	\$2.9750	\$2.9200	\$2.9500	\$2.9800	\$2.9300	\$2.9700	\$2.9817	\$2.9700	\$3.0033
4/16/17	\$2.9900	\$3.0600	\$3.0900	\$2.9750	\$2.9200	\$2.9500	\$2.9800	\$2.9300	\$2.9700	\$2.9817	\$2.9700	\$3.0033
4/17/17	\$2.9900	\$3.0600	\$3.0900	\$2.9750	\$2.9200	\$2.9500	\$2.9800	\$2.9300	\$2.9700	\$2.9817	\$2.9700	\$3.0033
4/18/17	\$2.9900	\$3.0600	\$3.0900	\$3.0050	\$2.9800	\$3.0000	\$2.9200	\$2.9600	\$2.9900	\$2.9717	\$3.0000	\$3.0267
4/19/17	\$2.9900	\$3.0600	\$3.0900	\$2.9650	\$2.9800	\$3.0000	\$2.9200	\$2.9600	\$2.9900	\$2.9583	\$3.0000	\$3.0267
4/20/17	\$2.9900	\$3.0600	\$3.0900	\$2.9950	\$3.0450	\$3.0550	\$2.9200	\$2.9600	\$2.9900	\$2.9683	\$3.0217	\$3.0450
4/21/17	\$2.9900	\$3.0600	\$3.0900	\$2.9500	\$3.0000	\$3.0250	\$2.9200	\$2.9600	\$2.9900	\$2.9533	\$3.0067	\$3.0350
4/22/17	\$2.9900	\$3.0600	\$3.0900	\$2.8850	\$2.9350	\$2.9600	\$2.9200	\$2.9600	\$2.9900	\$2.9317	\$2.9850	\$3.0133
4/23/17	\$2.9900	\$3.0600	\$3.0900	\$2.8850	\$2.9350	\$2.9600	\$2.9200	\$2.9600	\$2.9900	\$2.9317	\$2.9850	\$3.0133
4/24/17	\$2.9900	\$3.0600	\$3.0900	\$2.8850	\$2.9350	\$2.9600	\$2.9200	\$2.9600	\$2.9900	\$2.9317	\$2.9850	\$3.0133
4/25/17	\$2.9900	\$3.0600	\$3.0900	\$2.8300	\$2.8700	\$2.9100	\$2.8800	\$2.9600	\$3.0000	\$2.9000	\$2.9633	\$3.0000
4/26/17	\$2.9900	\$3.0600	\$3.0900	\$2.8100	\$2.8650	\$2.9000	\$2.8800	\$2.9600	\$3.0000	\$2.8933	\$2.9617	\$2.9967
4/27/17	\$2.9900	\$3.0600	\$3.0900	\$2.8600	\$2.9400	\$2.9800	\$2.8800	\$2.9600	\$3.0000	\$2.9100	\$2.9867	\$3.0233
4/28/17	\$2.9900	\$3.0600	\$3.0900	\$2.8900	\$2.9700	\$3.0200	\$2.8800	\$2.9600	\$3.0000	\$2.9200	\$2.9967	\$3.0367
4/29/17	\$2.9900	\$3.0600	\$3.0900	\$2.8900	\$2.9700	\$3.0200	\$2.8800	\$2.9600	\$3.0000	\$2.9200	\$2.9967	\$3.0367
4/30/17	\$2.9900	\$3.0600	\$3.0900	\$2.8900	\$2.9700	\$3.0200	\$2.8800	\$2.9600	\$3.0000	\$2.9200	\$2.9967	\$3.0367
<b>Avg Rate</b>	\$2.9900	\$3.0600	\$3.0900	\$2.9597	\$2.9780	\$3.0048	\$2.9553	\$2.9800	\$3.0073	\$2.9683	\$3.0060	\$3.0341

MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ACTUAL					
Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,349,800	\$3,958,187.75	\$4,006,656.33	\$48,468.58
CGT	ML	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$48,468.58

**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - SALES Activity Booking Report**  
**Apr-17**

DATA * STATUS	SALES TYPE **	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
							VOLUMES INVOICED	SALES RATE	TOTAL SALE	
							Dth	\$/Dth	\$	
I	S	S0244609	4/1/17	4/1/17	TCO	WV	10,000	\$2.9000	\$29,000.00	\$250.00
I	S	S0244635	4/1/17	4/1/17	TCO	WV	5,000	\$2.9725	\$14,862.50	\$226.00
I	S	S0244397	4/1/17	4/1/17	TCO	WV	2,500	\$3.1000	\$7,750.00	\$37.50
I	S	S0244398	4/1/17	4/1/17	TCO	WV	10,000	\$3.1100	\$31,100.00	\$450.00
I	S	S0244400	4/1/17	4/1/17	TCO	WV	10,000	\$3.1125	\$31,125.00	\$425.00
I	S	S0244423	4/1/17	4/1/17	TCO	WV	5,000	\$3.1400	\$15,700.00	\$50.00
I	S	S0244424	4/1/17	4/1/17	TCO	WV	10,000	\$3.1375	\$31,375.00	\$75.00
I	S	S0244472	4/1/17	4/1/17	TCO	WV	8,000	\$2.9850	\$23,880.00	\$120.00
I	S	S0244473	4/1/17	4/1/17	TCO	WV	6,900	\$2.9850	\$20,596.50	\$79.01
I	S	S0244495	4/1/17	4/1/17	TCO	WV	7,600	\$3.0250	\$22,990.00	\$323.00
I	S	S0244508	4/1/17	4/1/17	TCO	WV	6,000	\$3.0200	\$18,120.00	\$90.00
I	S	S0244509	4/1/17	4/1/17	TCO	WV	400	\$3.0200	\$1,208.00	\$6.00
I	S	S0244608	4/1/17	4/1/17	TCO	WV	10,000	\$2.9000	\$29,000.00	\$250.00
I	S	S0244324	4/1/17	4/1/17	TCO	WV	30,000	\$2.9200	\$87,600.00	\$450.00
I	S	S0244327	4/1/17	4/1/17	TCO	WV	2,100	\$2.9200	\$6,132.00	\$31.50
I	S	S0244331	4/1/17	4/1/17	TCO	WV	15,000	\$2.9500	\$44,250.00	\$187.50
I	S	S0244332	4/1/17	4/1/17	TCO	WV	5,100	\$2.9500	\$15,045.00	\$63.75
I	S	S0244335	4/1/17	4/1/17	TCO	WV	10,000	\$2.9225	\$29,225.00	\$175.00
I	S	S0244337	4/1/17	4/1/17	TCO	WV	4,500	\$2.9250	\$13,162.50	\$90.00
I	S	S0244338	4/1/17	4/1/17	TCO	WV	10,000	\$2.9400	\$29,400.00	\$125.00
I	S	S0244339	4/1/17	4/1/17	TCO	WV	10,000	\$2.9400	\$29,400.00	\$25.00
I	S	S0244340	4/1/17	4/1/17	TCO	WV	5,000	\$2.9400	\$14,700.00	\$12.50
I	S	S0244395	4/1/17	4/1/17	TCO	WV	10,000	\$3.1000	\$31,000.00	\$331.20
I	S	S0244396	4/1/17	4/1/17	TCO	WV	10,000	\$3.1000	\$31,000.00	\$150.00
							203,100		\$607,621.50	\$4,022.96

COLUMBIA GAS OF KENTUCKY  
 Off-System Sales - EXCHANGE Activity Report  
 Apr-17

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS EXPIRED	DELIVERY POINT	STATE OF SALE	Sales Amounts			Current Month Proration		
											VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	TOTAL SALE	MARGIN
E	E	OPP	S0244390	4/1/17		7/1/17	4	1	TCO	WV	62000	\$0.1300	\$8,060.00	\$0.00	\$2,015.00	\$2,015.00
											62,000		\$8,060.00		\$2,015.00	\$2,015.00

**MAY 2017**

**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: May-17**

		<b>May-17</b>	
<u>Ln.</u>	<u>PBR Component Description</u>		
1	CPS = (TPBR) x ASP	\$28,268.85	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$230,250.76</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$258,519.61</b>	
4	TCI (includes Marketed CapR)	\$467,634.73	
5	GCI	(\$2,016.24)	
6	OSSI		
	Sales	\$62,749.61	
	Exch	\$26,362.92	(1)
7	TPBR = (TCI+GCI+OSSI)	\$554,731.02	
8	AGC (**Total Gas Cost)	\$4,711,474.67	
	Sys Supply Purch	\$3,233,104.50	
	Chesapeake	\$29,983.90	
	Misc Adjustment	\$0.00	
	Transportation	\$1,448,386.27	
9	2% of AGC	\$94,229.49	
10	PAC = (TPBR) / AGC	11.77%	

**Acronyms:**

- CPS = Company Performance Share
- TPBR = Total Performance Based Results
- ASP = Applicable Sharing Percentage
- PAC = Percent of Actual Gas Costs
- AGC = Actual Gas Costs
- TCI = Transportation Cost Incentive
- OSSI = Off-System Sales Incentive
- GCI = Gas Cost Incentive

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: May-17**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0955	Demand Vol @ Max Rate	\$309,548.32
		TCO	80160	SST	95,440	\$6.3190	Demand Vol @ Max Rate	\$603,085.36
		TCO	81540	SST	15,000	\$6.3190	Demand Vol @ Max Rate	<u>\$94,785.00</u>
								\$1,007,418.68
						<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$93,989.25
		TCO	80160	SST	95,440	\$4.1850	Demand Vol @ Disc Rate	\$399,416.40
		TCO	81540	SST	15,000	\$4.1850	Demand Vol @ Disc Rate	\$62,775.00
LESS: Marketed Cap Release		<b>TCO</b>	<b>SST</b>		<b>0</b>	<b>\$0.0000</b>		<u>\$0.00</u>
								\$556,180.65
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$9,034.20
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$7,362.50
							<b>Total TCI</b>	<b>\$467,634.73</b>

**TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)

**TATC -** Total Actual Transportation Cost (from Transportation Closing Report)

**TCI -** Transportation Cost Incentive

**CKY GCI CALCULATION**

**Flow Period: May-17**

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price Natural Gas Week (NGW)			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500
5/1/17	\$2.9700	\$3.0200	\$3.0500	\$2.9700	\$3.0150	\$3.0500	\$2.8800	\$2.9600	\$3.0000	\$2.9400	\$2.9983	\$3.0333
5/2/17	\$2.9700	\$3.0200	\$3.0500	\$2.9550	\$3.0200	\$3.0600	\$2.9400	\$2.9600	\$3.0000	\$2.9550	\$3.0000	\$3.0367
5/3/17	\$2.9700	\$3.0200	\$3.0500	\$2.9600	\$3.0150	\$3.0450	\$2.9400	\$2.9600	\$3.0000	\$2.9567	\$2.9983	\$3.0317
5/4/17	\$2.9700	\$3.0200	\$3.0500	\$2.9400	\$2.9800	\$2.9950	\$2.9400	\$2.9600	\$3.0000	\$2.9500	\$2.9867	\$3.0150
5/5/17	\$2.9700	\$3.0200	\$3.0500	\$2.9400	\$2.9750	\$2.9850	\$2.9400	\$2.9600	\$3.0000	\$2.9500	\$2.9850	\$3.0117
5/6/17	\$2.9700	\$3.0200	\$3.0500	\$2.9300	\$2.9250	\$2.9450	\$2.9400	\$2.9600	\$3.0000	\$2.9467	\$2.9683	\$2.9983
5/7/17	\$2.9700	\$3.0200	\$3.0500	\$2.9300	\$2.9250	\$2.9450	\$2.9400	\$2.9600	\$3.0000	\$2.9467	\$2.9683	\$2.9983
5/8/17	\$2.9700	\$3.0200	\$3.0500	\$2.9300	\$2.9250	\$2.9450	\$2.9400	\$2.9600	\$3.0000	\$2.9467	\$2.9683	\$2.9983
5/9/17	\$2.9700	\$3.0200	\$3.0500	\$2.9000	\$2.9100	\$2.9600	\$3.0300	\$3.1400	\$3.1200	\$2.9667	\$3.0233	\$3.0433
5/10/17	\$2.9700	\$3.0200	\$3.0500	\$2.9250	\$2.9800	\$3.0100	\$3.0300	\$3.1400	\$3.1200	\$2.9750	\$3.0467	\$3.0600
5/11/17	\$2.9700	\$3.0200	\$3.0500	\$3.0150	\$3.0550	\$3.0850	\$3.0300	\$3.1400	\$3.1200	\$3.0050	\$3.0717	\$3.0850
5/12/17	\$2.9700	\$3.0200	\$3.0500	\$3.0500	\$3.1000	\$3.1350	\$3.0300	\$3.1400	\$3.1200	\$3.0167	\$3.0867	\$3.1017
5/13/17	\$2.9700	\$3.0200	\$3.0500	\$3.0950	\$3.1650	\$3.1650	\$3.0300	\$3.1400	\$3.1200	\$3.0317	\$3.1083	\$3.1117
5/14/17	\$2.9700	\$3.0200	\$3.0500	\$3.0950	\$3.1650	\$3.1650	\$3.0300	\$3.1400	\$3.1200	\$3.0317	\$3.1083	\$3.1117
5/15/17	\$2.9700	\$3.0200	\$3.0500	\$3.0950	\$3.1650	\$3.1650	\$3.0300	\$3.1400	\$3.1200	\$3.0317	\$3.1083	\$3.1117
5/16/17	\$2.9700	\$3.0200	\$3.0500	\$3.0800	\$3.1550	\$3.2000	\$3.0100	\$3.0700	\$3.1100	\$3.0200	\$3.0817	\$3.1200
5/17/17	\$2.9700	\$3.0200	\$3.0500	\$3.0450	\$3.1050	\$3.1400	\$3.0100	\$3.0700	\$3.1100	\$3.0083	\$3.0650	\$3.1000
5/18/17	\$2.9700	\$3.0200	\$3.0500	\$3.0250	\$3.0500	\$3.0900	\$3.0100	\$3.0700	\$3.1100	\$3.0017	\$3.0467	\$3.0833
5/19/17	\$2.9700	\$3.0200	\$3.0500	\$2.9600	\$3.0200	\$3.0700	\$3.0100	\$3.0700	\$3.1100	\$2.9800	\$3.0367	\$3.0767
5/20/17	\$2.9700	\$3.0200	\$3.0500	\$2.9750	\$3.0550	\$3.1150	\$3.0100	\$3.0700	\$3.1100	\$2.9850	\$3.0483	\$3.0917
5/21/17	\$2.9700	\$3.0200	\$3.0500	\$2.9750	\$3.0550	\$3.1150	\$3.0100	\$3.0700	\$3.1100	\$2.9850	\$3.0483	\$3.0917
5/22/17	\$2.9700	\$3.0200	\$3.0500	\$2.9750	\$3.0550	\$3.1150	\$3.0100	\$3.0700	\$3.1100	\$2.9850	\$3.0483	\$3.0917
5/23/17	\$2.9700	\$3.0200	\$3.0500	\$3.0550	\$3.0950	\$3.1150	\$2.9500	\$3.0000	\$3.0100	\$2.9917	\$3.0383	\$3.0583
5/24/17	\$2.9700	\$3.0200	\$3.0500	\$3.0350	\$3.0900	\$3.1100	\$2.9500	\$3.0000	\$3.0100	\$2.9850	\$3.0367	\$3.0567
5/25/17	\$2.9700	\$3.0200	\$3.0500	\$2.9650	\$2.9850	\$2.9750	\$2.9500	\$3.0000	\$3.0100	\$2.9617	\$3.0017	\$3.0117
5/26/17	\$2.9700	\$3.0200	\$3.0500	\$2.9300	\$2.9750	\$2.9900	\$2.9500	\$3.0000	\$3.0100	\$2.9500	\$2.9983	\$3.0167
5/27/17	\$2.9700	\$3.0200	\$3.0500	\$2.9250	\$2.9800	\$2.9900	\$2.9500	\$3.0000	\$3.0100	\$2.9483	\$3.0000	\$3.0167
5/28/17	\$2.9700	\$3.0200	\$3.0500	\$2.9250	\$2.9800	\$2.9900	\$2.9500	\$3.0000	\$3.0100	\$2.9483	\$3.0000	\$3.0167
5/29/17	\$2.9700	\$3.0200	\$3.0500	\$2.9250	\$2.9800	\$2.9900	\$2.9500	\$3.0000	\$3.0100	\$2.9483	\$3.0000	\$3.0167
5/30/17	\$2.9700	\$3.0200	\$3.0500	\$2.9250	\$2.9800	\$2.9900	\$2.7800	\$2.8400	\$2.9000	\$2.8917	\$2.9467	\$2.9800
5/31/17	\$2.9700	\$3.0200	\$3.0500	\$2.9200	\$2.9400	\$2.9750	\$2.7800	\$2.8400	\$2.9000	\$2.8900	\$2.9333	\$2.9750
<b>Avg Rate</b>	\$2.9700	\$3.0200	\$3.0500	\$2.9797	\$3.0265	\$3.0524	\$2.9661	\$3.0268	\$3.0477	\$2.9719	\$3.0244	\$3.0501

**MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ESTIMATE**

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,087,200	\$3,233,104.50	\$3,231,088.26	(\$2,016.24)
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					(\$2,016.24)

**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - SALES Activity Booking Report**  
**May-17**

DATA * STATUS	SALES TYPE **	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
							VOLUMES INVOICED	SALES RATE	TOTAL SALE	
							Dth	\$/Dth	\$	
I	S	S0244688	5/1/17	5/1/17	TCO	WV	5,000	\$2.9500	\$14,750.00	\$137.50
I	S	S0244689	5/1/17	5/1/17	TCO	WV	7,000	\$2.9500	\$20,650.00	\$192.50
I	S	S0244706	5/1/17	5/1/17	TCO	WV	310,000	\$3.0150	\$934,650.00	\$22,196.00
I	S	S0244753	5/1/17	5/1/17	TCO	WV	232,500	\$3.0900	\$718,425.00	\$37,234.88
I	S	S0244755	5/1/17	5/1/17	TCO	WV	80,000	\$3.1200	\$249,600.00	\$2,236.00
I	S	S0244807	5/1/17	5/1/17	TCO	WV	100	\$2.9800	\$298.00	\$0.75
I	S	S0244826	5/1/17	5/1/17	TCO	WV	4,800	\$2.9875	\$14,340.00	\$84.00
I	S	S0244832	5/1/17	5/1/17	TCO	WV	8,300	\$2.9975	\$24,879.25	\$213.48
I	S	S0244859	5/1/17	5/1/17	TCO	WV	10,000	\$3.0125	\$30,125.00	\$127.00
I	S	S0244863	5/1/17	5/1/17	TCO	WV	10,000	\$2.9800	\$29,800.00	\$75.00
I	S	S0244919	5/1/17	5/1/17	TCO	WV	2,100	\$2.9450	\$6,184.50	\$52.50
I	S	S0244927	5/1/17	5/1/17	TCO	WV	10,000	\$2.9500	\$29,500.00	\$200.00
							12	679,800	\$2,073,201.75	\$62,749.61



**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - EXCHANGE Activity Report**  
**May-17**

										Sales Amounts		Current Month Proratlon				
DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS DELIVERED	DELIVERY POINT	STATE OF SALE	VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE	TRANSPORT COST	TOTAL SALE	MARGIN
												\$				
E	E	OPP	S0244390	4/1/17		7/1/17	4	2	TCO	WV	62000	\$0.1300	\$8,060.00	\$0.00	\$2,015.00	\$2,015.00
E	E	OPP	S0244708	5/1/17		7/1/17	3	1	TCO	WV	310,000	\$0.1400	\$43,400.00	\$0.00	\$14,466.67	\$14,466.67
E	E	OPP	S0244754	5/1/17		8/1/17	4	1	TCO	WV	232,500	\$0.1700	\$39,525.00	\$0.00	\$9,881.25	\$9,881.25
											604,500	\$90,985.00	\$26,362.92	\$26,362.92		

**JUNE 2017**

**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: Jun-17**

		<b>Jun-17</b>	
<u>Ln.</u>	<u>PBR Component Description</u>		
1	CPS = (TPBR) x ASP	\$19,883.94	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$209,335.89</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$229,219.83</b>	
4	TCI (includes Marketed CapR)	\$466,092.23	
5	GCI	(\$24,074.21)	
6	OSSI	\$604.49	
	Sales		
	Exch	\$42,329.07	(1)
7	TPBR = (TCI+GCI+OSSI)	\$484,951.58	
8	AGC (**Total Gas Cost)	\$3,313,990.33	
	Sys Supply Purch	\$1,847,754.50	
	Chesapeake	\$20,277.68	
	Misc Adjustment	\$0.00	
	Transportation	\$1,445,958.15	
9	2% of AGC	\$66,279.81	
10	PAC = (TPBR) / AGC	14.63%	

Acronyms:

CPS = Company Performance Share  
 TPBR = Total Performance Based Results  
 ASP = Applicable Sharing Percentage  
 PAC = Percent of Actual Gas Costs  
 AGC = Actual Gas Costs  
 TCI = Transportation Cost Incentive  
 OSSI = Off-System Sales Incentive  
 GCI = Gas Cost Incentive

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Jun-17**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0955	Demand Vol @ Max Rate	\$309,548.32
		TCO	80160	SST	95,440	\$6.3190	Demand Vol @ Max Rate	\$603,085.36
		TCO	81540	SST	15,000	\$6.3190	Demand Vol @ Max Rate	\$94,785.00
								\$1,007,418.68
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$93,989.25
		TCO	80160	SST	95,440	\$4.1850	Demand Vol @ Disc Rate	\$399,416.40
		TCO	81540	SST	15,000	\$4.1850	Demand Vol @ Disc Rate	\$62,775.00
								\$556,180.65
LESS: Marketed Cap Release		<b>TCO</b>	<b>SST</b>		<b>0</b>	<b>\$0.0000</b>		<b>\$0.00</b>
Marketed Cap Release		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		<b>\$9,034.20</b>
Marketed Cap Release		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		<b>\$5,820.00</b>
							<b>Total TCI</b>	<b>\$466,092.23</b>

**TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)

**TATC -** Total Actual Transportation Cost (from Transportation Closing Report)

**TCI -** Transportation Cost Incentive

**CKY GCI CALCULATION**

**Flow Period: Jun-17**

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price			Weighted Avg Calculated		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	Natural Gas Week (NGW)			Benchmark Rate by P/L		
							TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500
6/1/17	\$3.0600	\$3.1100	\$3.1500	\$2.8350	\$2.8550	\$2.9000	\$2.7800	\$2.8400	\$2.9000	\$2.8917	\$2.9350	\$2.9833
6/2/17	\$3.0600	\$3.1100	\$3.1500	\$2.7400	\$2.8100	\$2.8400	\$2.7800	\$2.8400	\$2.9000	\$2.8600	\$2.9200	\$2.9633
6/3/17	\$3.0600	\$3.1100	\$3.1500	\$2.6850	\$2.7600	\$2.7550	\$2.7800	\$2.8400	\$2.9000	\$2.8417	\$2.9033	\$2.9350
6/4/17	\$3.0600	\$3.1100	\$3.1500	\$2.6850	\$2.7600	\$2.7550	\$2.7800	\$2.8400	\$2.9000	\$2.8417	\$2.9033	\$2.9350
6/5/17	\$3.0600	\$3.1100	\$3.1500	\$2.6850	\$2.7600	\$2.7550	\$2.7800	\$2.8400	\$2.9000	\$2.8417	\$2.9033	\$2.9350
6/6/17	\$3.0600	\$3.1100	\$3.1500	\$2.7450	\$2.8250	\$2.8500	\$2.8300	\$2.8700	\$2.8900	\$2.8783	\$2.9350	\$2.9633
6/7/17	\$3.0600	\$3.1100	\$3.1500	\$2.8050	\$2.8700	\$2.8850	\$2.8300	\$2.8700	\$2.8900	\$2.8983	\$2.9500	\$2.9750
6/8/17	\$3.0600	\$3.1100	\$3.1500	\$2.8400	\$2.8700	\$2.8950	\$2.8300	\$2.8700	\$2.8900	\$2.9100	\$2.9500	\$2.9783
6/9/17	\$3.0600	\$3.1100	\$3.1500	\$2.7900	\$2.8550	\$2.8350	\$2.8300	\$2.8700	\$2.8900	\$2.8933	\$2.9450	\$2.9583
6/10/17	\$3.0600	\$3.1100	\$3.1500	\$2.8350	\$2.8950	\$2.8950	\$2.8300	\$2.8700	\$2.8900	\$2.9083	\$2.9583	\$2.9783
6/11/17	\$3.0600	\$3.1100	\$3.1500	\$2.8350	\$2.8950	\$2.8950	\$2.8300	\$2.8700	\$2.8900	\$2.9083	\$2.9583	\$2.9783
6/12/17	\$3.0600	\$3.1100	\$3.1500	\$2.8350	\$2.8950	\$2.8950	\$2.8300	\$2.8700	\$2.8900	\$2.9083	\$2.9583	\$2.9783
6/13/17	\$3.0600	\$3.1100	\$3.1500	\$2.9000	\$2.9650	\$2.9900	\$2.7600	\$2.8500	\$2.8900	\$2.9067	\$2.9750	\$3.0100
6/14/17	\$3.0600	\$3.1100	\$3.1500	\$2.7900	\$2.8550	\$2.8750	\$2.7600	\$2.8500	\$2.8900	\$2.8700	\$2.9383	\$2.9717
6/15/17	\$3.0600	\$3.1100	\$3.1500	\$2.6800	\$2.7800	\$2.8250	\$2.7600	\$2.8500	\$2.8900	\$2.8333	\$2.9133	\$2.9550
6/16/17	\$3.0600	\$3.1100	\$3.1500	\$2.7100	\$2.8300	\$2.8500	\$2.7600	\$2.8500	\$2.8900	\$2.8433	\$2.9300	\$2.9633
6/17/17	\$3.0600	\$3.1100	\$3.1500	\$2.7450	\$2.8550	\$2.9000	\$2.7600	\$2.8500	\$2.8900	\$2.8550	\$2.9383	\$2.9800
6/18/17	\$3.0600	\$3.1100	\$3.1500	\$2.7450	\$2.8550	\$2.9000	\$2.7600	\$2.8500	\$2.8900	\$2.8550	\$2.9383	\$2.9800
6/19/17	\$3.0600	\$3.1100	\$3.1500	\$2.7450	\$2.8550	\$2.9000	\$2.7600	\$2.8500	\$2.8900	\$2.8550	\$2.9383	\$2.9800
6/20/17	\$3.0600	\$3.1100	\$3.1500	\$2.7350	\$2.7700	\$2.8000	\$2.7100	\$2.7700	\$2.8000	\$2.8350	\$2.8833	\$2.9167
6/21/17	\$3.0600	\$3.1100	\$3.1500	\$2.7450	\$2.7850	\$2.8000	\$2.7100	\$2.7700	\$2.8000	\$2.8383	\$2.8883	\$2.9167
6/22/17	\$3.0600	\$3.1100	\$3.1500	\$2.7700	\$2.7950	\$2.8200	\$2.7100	\$2.7700	\$2.8000	\$2.8467	\$2.8917	\$2.9233
6/23/17	\$3.0600	\$3.1100	\$3.1500	\$2.6950	\$2.7700	\$2.8000	\$2.7100	\$2.7700	\$2.8000	\$2.8217	\$2.8833	\$2.9167
6/24/17	\$3.0600	\$3.1100	\$3.1500	\$2.6900	\$2.7700	\$2.7900	\$2.7100	\$2.7700	\$2.8000	\$2.8200	\$2.8833	\$2.9133
6/25/17	\$3.0600	\$3.1100	\$3.1500	\$2.6900	\$2.7700	\$2.7900	\$2.7100	\$2.7700	\$2.8000	\$2.8200	\$2.8833	\$2.9133
6/26/17	\$3.0600	\$3.1100	\$3.1500	\$2.6900	\$2.7700	\$2.7900	\$2.7100	\$2.7700	\$2.8000	\$2.8200	\$2.8833	\$2.9133
6/27/17	\$3.0600	\$3.1100	\$3.1500	\$2.7400	\$2.8300	\$2.8800	\$2.7300	\$2.8100	\$2.8500	\$2.8433	\$2.9167	\$2.9600
6/28/17	\$3.0600	\$3.1100	\$3.1500	\$2.7400	\$2.8450	\$2.9100	\$2.7300	\$2.8100	\$2.8500	\$2.8433	\$2.9217	\$2.9700
6/29/17	\$3.0600	\$3.1100	\$3.1500	\$2.7600	\$2.8750	\$2.9350	\$2.7300	\$2.8100	\$2.8500	\$2.8500	\$2.9317	\$2.9783
6/30/17	\$3.0600	\$3.1100	\$3.1500	\$2.7750	\$2.8700	\$2.9150	\$2.7300	\$2.8100	\$2.8500	\$2.8550	\$2.9300	\$2.9717
<b>Avg Rate</b>	\$3.0600	\$3.1100	\$3.1500	\$2.7553	\$2.8298	\$2.8542	\$2.7640	\$2.8290	\$2.8653	\$2.8598	\$2.9229	\$2.9565

MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ACTUAL						
Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)	
TCO	P10	637,700	\$1,847,754.50	\$1,823,680.29	(\$24,074.21)	
CGT	M/L	0	\$0.00	\$0.00	\$0.00	
TENN	500	0	\$0.00	\$0.00	\$0.00	
					(\$24,074.21)	

**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - SALES Activity Booking Report**  
**Jun-17**

DATA * STATUS	SALES TYPE **	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
							VOLUMES INVOICED	SALES RATE	TOTAL SALE	
							Dth	\$/Dth	\$	
I	S	S0244944	6/1/17	6/1/17	TCO	WV	1,500	\$2.7250	\$4,087.50	\$67.50
I	S	S0244947	6/1/17	6/1/17	TCO	WV	22,500	\$2.7225	\$61,256.25	\$56.25
I	S	S0244948	6/1/17	6/1/17	TCO	WV	3,300	\$2.7225	\$8,984.25	\$68.24
I	S	S0245209	6/1/17	6/1/17	TCO	WV	10,000	\$2.8200	\$28,200.00	\$300.00
I	S	S0245210	6/1/17	6/1/17	TCO	WV	5,000	\$2.8200	\$14,100.00	\$112.50
5							42,300		\$116,628.00	\$604.49

COLUMBIA GAS OF KENTUCKY  
 Off-System Sales - EXCHANGE Activity Report  
 Jun-17

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS EXPIRED	DELIVERY POINT	STATE OF SALE	Sales Amounts			Current Month Proration		
											VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	TOTAL SALE	MARGIN
E	E	OPP	S0244390	4/1/17		7/1/17	4	3	TCO	WV	62000	\$0.1300	\$8,060.00	\$0.00	\$2,015.00	\$2,015.00
E	E	OPP	S0244708	5/1/17		7/1/17	3	2	TCO	WV	310,000	\$0.1400	\$43,400.00	\$0.00	\$14,466.67	\$14,466.67
E	E	OPP	S0244754	5/1/17		8/1/17	4	2	TCO	WV	232,500	\$0.1700	\$39,525.00	\$0.00	\$9,881.25	\$9,881.25
E	E	OPP	S0244792	6/1/17		12/1/17	7	1	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$4,871.43	\$4,871.43
E	E	OPP	S0244793	6/1/17		1/1/18	8	1	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$4,262.50	\$4,262.50
E	E	OPP	S0244794	6/1/17		2/1/18	9	1	TCO	WV	140,000	\$0.2200	\$30,800.00	\$0.00	\$3,422.22	\$3,422.22
E	E	OPP	S0244795	6/1/17		3/1/18	10	1	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$3,410.00	\$3,410.00
7											1,209,500		\$224,085.00		\$42,329.07	\$42,329.07

JULY 2017



**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: Jul-17**

<u>Ln.</u>	<u>PBR Component Description</u>	<b>Jul-17</b>	
		<b>ACTUAL</b>	
1	CPS = (TPBR) x ASP	\$39,674.24	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$190,570.64</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$230,244.88</b>	
4	TCI (includes Marketed CapR)	\$466,162.23	
5	GCI	\$1,941.05	
6	OSSI		
	Sales	\$2,956.40	
	Exch (1)	\$42,329.07	
7	TPBR = (TCI+GCI+OSSI)	\$513,388.75	
8	AGC (**Total Gas Cost)	\$6,612,373.35	
	Sys Supply Purch	\$5,146,242.83	
	Chesapeake	\$14,672.70	
	Misc Adjustment	\$0.00	
	Transportation	\$1,451,457.82	
9	2% of AGC	\$132,247.47	
10	PAC = (TPBR) / AGC	7.76%	

Acronyms:

CPS = Company Performance Share  
TPBR = Total Performance Based Results  
ASP = Applicable Sharing Percentage  
PAC = Percent of Actual Gas Costs  
AGC = Actual Gas Costs  
TCI = Transportation Cost Incentive  
OSSI = Off-System Sales Incentive  
GCI = Gas Cost Incentive

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Jul-17**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0955	Demand Vol @ Max Rate	\$309,548.32
		TCO	80160	SST	95,440	\$6.3190	Demand Vol @ Max Rate	\$603,085.36
		TCO	81540	SST	15,000	\$6.3190	Demand Vol @ Max Rate	<u>\$94,785.00</u>
								\$1,007,418.68
						<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$93,989.25
		TCO	80160	SST	95,440	\$4.1850	Demand Vol @ Disc Rate	\$399,416.40
		TCO	81540	SST	15,000	\$4.1850	Demand Vol @ Disc Rate	\$62,775.00
LESS: Marketed Cap Release		<b>TCO</b>	<b>SST</b>		<b>0</b>	<b>\$0.0000</b>		<u>\$0.00</u>
								\$556,180.65
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$9,034.20
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$5,890.00
							<b>Total TCI</b>	<b>\$466,162.23</b>

**TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)

**TATC -** Total Actual Transportation Cost (from Transportation Closing Report)

**TCI -** Transportation Cost Incentive

**CKY GCI CALCULATION**

Flow Period: Jul-17

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price Natural Gas Week (NGW)			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500
7/1/17	\$2.8700	\$2.9500	\$2.9700	\$2.7300	\$2.8100	\$2.8450	\$2.7300	\$2.8100	\$2.8500	\$2.7767	\$2.8567	\$2.8883
7/2/17	\$2.8700	\$2.9500	\$2.9700	\$2.7300	\$2.8100	\$2.8450	\$2.7300	\$2.8100	\$2.8500	\$2.7767	\$2.8567	\$2.8883
7/3/17	\$2.8700	\$2.9500	\$2.9700	\$2.7300	\$2.8100	\$2.8450	\$2.7300	\$2.8100	\$2.8500	\$2.7767	\$2.8567	\$2.8883
7/4/17	\$2.8700	\$2.9500	\$2.9700	\$2.7300	\$2.8100	\$2.8450	\$2.7300	\$2.8000	\$2.8300	\$2.7767	\$2.8533	\$2.8817
7/5/17	\$2.8700	\$2.9500	\$2.9700	\$2.7300	\$2.8100	\$2.8450	\$2.7300	\$2.8000	\$2.8300	\$2.7767	\$2.8533	\$2.8817
7/6/17	\$2.8700	\$2.9500	\$2.9700	\$2.7250	\$2.7950	\$2.7950	\$2.7300	\$2.8000	\$2.8300	\$2.7750	\$2.8483	\$2.8650
7/7/17	\$2.8700	\$2.9500	\$2.9700	\$2.7100	\$2.7750	\$2.7750	\$2.7300	\$2.8000	\$2.8300	\$2.7700	\$2.8417	\$2.8583
7/8/17	\$2.8700	\$2.9500	\$2.9700	\$2.7500	\$2.7600	\$2.7700	\$2.7300	\$2.8000	\$2.8300	\$2.7833	\$2.8367	\$2.8567
7/9/17	\$2.8700	\$2.9500	\$2.9700	\$2.7500	\$2.7600	\$2.7700	\$2.7300	\$2.8000	\$2.8300	\$2.7833	\$2.8367	\$2.8567
7/10/17	\$2.8700	\$2.9500	\$2.9700	\$2.7500	\$2.7600	\$2.7700	\$2.7300	\$2.8000	\$2.8300	\$2.7833	\$2.8367	\$2.8567
7/11/17	\$2.8700	\$2.9500	\$2.9700	\$2.7900	\$2.8250	\$2.8500	\$2.8200	\$2.8600	\$2.9100	\$2.8267	\$2.8783	\$2.9100
7/12/17	\$2.8700	\$2.9500	\$2.9700	\$2.8400	\$2.9000	\$2.9400	\$2.8200	\$2.8600	\$2.9100	\$2.8433	\$2.9033	\$2.9400
7/13/17	\$2.8700	\$2.9500	\$2.9700	\$2.8500	\$2.8900	\$2.9200	\$2.8200	\$2.8600	\$2.9100	\$2.8467	\$2.9000	\$2.9333
7/14/17	\$2.8700	\$2.9500	\$2.9700	\$2.8100	\$2.8500	\$2.8850	\$2.8200	\$2.8600	\$2.9100	\$2.8333	\$2.8867	\$2.9217
7/15/17	\$2.8700	\$2.9500	\$2.9700	\$2.8150	\$2.8650	\$2.9000	\$2.8200	\$2.8600	\$2.9100	\$2.8350	\$2.8917	\$2.9267
7/16/17	\$2.8700	\$2.9500	\$2.9700	\$2.8150	\$2.8650	\$2.9000	\$2.8200	\$2.8600	\$2.9100	\$2.8350	\$2.8917	\$2.9267
7/17/17	\$2.8700	\$2.9500	\$2.9700	\$2.8150	\$2.8650	\$2.9000	\$2.8200	\$2.8600	\$2.9100	\$2.8350	\$2.8917	\$2.9267
7/18/17	\$2.8700	\$2.9500	\$2.9700	\$2.8950	\$2.9400	\$2.9650	\$2.9200	\$2.9600	\$2.9600	\$2.8950	\$2.9500	\$2.9650
7/19/17	\$2.8700	\$2.9500	\$2.9700	\$2.9600	\$3.0100	\$3.0150	\$2.9200	\$2.9600	\$2.9600	\$2.9167	\$2.9733	\$2.9817
7/20/17	\$2.8700	\$2.9500	\$2.9700	\$2.9650	\$3.0150	\$3.0250	\$2.9200	\$2.9600	\$2.9600	\$2.9183	\$2.9750	\$2.9850
7/21/17	\$2.8700	\$2.9500	\$2.9700	\$2.9700	\$3.0100	\$3.0350	\$2.9200	\$2.9600	\$2.9600	\$2.9200	\$2.9733	\$2.9883
7/22/17	\$2.8700	\$2.9500	\$2.9700	\$2.9050	\$2.9450	\$2.9350	\$2.9200	\$2.9600	\$2.9600	\$2.8983	\$2.9517	\$2.9550
7/23/17	\$2.8700	\$2.9500	\$2.9700	\$2.9050	\$2.9450	\$2.9350	\$2.9200	\$2.9600	\$2.9600	\$2.8983	\$2.9517	\$2.9550
7/24/17	\$2.8700	\$2.9500	\$2.9700	\$2.9050	\$2.9450	\$2.9350	\$2.9200	\$2.9600	\$2.9600	\$2.8983	\$2.9517	\$2.9550
7/25/17	\$2.8700	\$2.9500	\$2.9700	\$2.8100	\$2.8700	\$2.8700	\$2.8000	\$2.8400	\$2.8500	\$2.8267	\$2.8867	\$2.8967
7/26/17	\$2.8700	\$2.9500	\$2.9700	\$2.7900	\$2.8600	\$2.8750	\$2.8000	\$2.8400	\$2.8500	\$2.8200	\$2.8833	\$2.8983
7/27/17	\$2.8700	\$2.9500	\$2.9700	\$2.7800	\$2.8300	\$2.8550	\$2.8000	\$2.8400	\$2.8500	\$2.8167	\$2.8733	\$2.8917
7/28/17	\$2.8700	\$2.9500	\$2.9700	\$2.8000	\$2.8400	\$2.8800	\$2.8000	\$2.8400	\$2.8500	\$2.8233	\$2.8767	\$2.9000
7/29/17	\$2.8700	\$2.9500	\$2.9700	\$2.8200	\$2.8350	\$2.8500	\$2.8000	\$2.8400	\$2.8500	\$2.8300	\$2.8750	\$2.8900
7/30/17	\$2.8700	\$2.9500	\$2.9700	\$2.8200	\$2.8350	\$2.8500	\$2.8000	\$2.8400	\$2.8500	\$2.8300	\$2.8750	\$2.8900
7/31/17	\$2.8700	\$2.9500	\$2.9700	\$2.8200	\$2.8350	\$2.8500	\$2.8000	\$2.8400	\$2.8500	\$2.8300	\$2.8750	\$2.8900
<b>Avg Rate</b>	\$2.8700	\$2.9500	\$2.9700	\$2.8134	\$2.8605	\$2.8798	\$2.8090	\$2.8597	\$2.8839	\$2.8308	\$2.8901	\$2.9112

**MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ACTUAL**

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,818,628	\$5,146,242.83	\$5,148,183.88	\$1,941.05
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$1,941.05

**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - SALES Activity Booking Report**  
**Jul-17**

INVOICED SALES AMOUNTS		
Sales Amounts		

<b>MARGIN</b>
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DATA * STATUS	SALES TYPE **	SALES ID	RECEIPT	DELIVERY	DELIVERY POINT	STATE	INVOICED SALES AMOUNTS			MARGIN
			FLOW DATE	FLOW DATE		OF SALE	VOLUMES INVOICED	SALES RATE	TOTAL SALE	
							Dth	\$/Dth	\$	
I	S	S0245572	7/1/17	7/1/17	TCO	WV	15,000	\$2.8300	\$42,450.00	\$187.50
I	S	S0245585	7/1/17	7/1/17	TCO	WV	5,000	\$2.8450	\$14,225.00	\$80.40
I	S	S0245586	7/1/17	7/1/17	TCO	WV	5,000	\$2.8450	\$14,225.00	\$150.00
I	S	S0245587	7/1/17	7/1/17	TCO	WV	5,000	\$2.8475	\$14,237.50	\$175.00
I	S	S0245352	7/1/17	7/1/17	TCO	WV	10,000	\$2.8325	\$28,325.00	\$800.00
I	S	S0245384	7/1/17	7/1/17	TCO	WV	2,500	\$2.8500	\$7,125.00	\$6.25
I	S	S0245419	7/1/17	7/1/17	TCO	WV	15,000	\$2.8250	\$42,375.00	\$187.50
I	S	S0245420	7/1/17	7/1/17	TCO	WV	2,700	\$2.8250	\$7,627.50	\$33.75
I	S	S0245421	7/1/17	7/1/17	TCO	WV	12,300	\$2.8250	\$34,747.50	\$153.75
I	S	S0245422	7/1/17	7/1/17	TCO	WV	15,000	\$2.8250	\$42,375.00	\$187.50
I	S	S0245423	7/1/17	7/1/17	TCO	WV	15,000	\$2.8250	\$42,375.00	\$187.50
I	S	S0245424	7/1/17	7/1/17	TCO	WV	6,000	\$2.8275	\$16,965.00	\$90.00
I	S	S0245456	7/1/17	7/1/17	TCO	WV	14,000	\$3.0000	\$42,000.00	\$560.00
I	S	S0245458	7/1/17	7/1/17	TCO	WV	2,400	\$3.0200	\$7,248.00	\$144.00
I	S	S0245501	7/1/17	7/1/17	TCO	WV	5,300	\$2.8100	\$14,893.00	\$13.25
15							130,200		\$371,193.50	\$2,956.40

COLUMBIA GAS OF KENTUCKY  
 Off-System Sales - EXCHANGE Activity Report  
 Jul-17

Prepared: 4/25/18  
 As Of: 7/31/17

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS DELIVERY POINT	STATE OF SALE	Sales Amounts			Current Month Proration			
										VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	TOTAL SALE	MARGIN	
E	E	OPP	S0244390	4/1/17	7/1/17	7/1/17	4	4 TCO	WV	62,000	\$0.1300	\$8,060.00	\$0.00	\$2,015.00	\$2,015.00	
E	E	OPP	S0244708	5/1/17	7/1/17	7/1/17	3	3 TCO	WV	310,000	\$0.1400	\$43,400.00	\$0.00	\$14,466.67	\$14,466.67	
E	E	OPP	S0244754	5/1/17	8/1/17	8/1/17	4	3 TCO	WV	232,500	\$0.1700	\$39,525.00	\$0.00	\$9,881.25	\$9,881.25	
E	E	OPP	S0244792	6/1/17	12/1/17	12/1/17	7	2 TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$4,871.43	\$4,871.43	
E	E	OPP	S0244793	6/1/17	1/1/18	1/1/18	8	2 TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$4,262.50	\$4,262.50	
E	E	OPP	S0244794	6/1/17	2/1/18	2/1/18	9	2 TCO	WV	140,000	\$0.2200	\$30,800.00	\$0.00	\$3,422.22	\$3,422.22	
E	E	OPP	S0244795	6/1/17	3/1/18	3/1/18	10	2 TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$3,410.00	\$3,410.00	
			7								1,209,500		\$224,085.00		\$42,329.07	\$42,329.07

**AUGUST 2017**

**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: Aug-17**

		<b>Aug-17</b>	
<u>Ln.</u>	<u>PBR Component Description</u>		
1	CPS = (TPBR) x ASP	\$39,581.27	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$203,020.92</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$242,602.20</b>	
4	TCI (includes Marketed CapR)	\$466,286.23	
5	GCI	\$42,028.76	
6	OSSI		
	Sales	\$3,067.04	
	Exch	\$26,597.40	
7	TPBR = (TCI+GCI+OSSI)	\$537,979.43	
8	AGC (**Total Gas Cost)	\$6,596,879.02	
	Sys Supply Purch	\$5,121,493.00	
	Core	\$13,502.40	
	Misc Adjustment	\$0.00	
	Transportation	\$1,461,883.62	
9	2% of AGC	\$131,937.58	
10	PAC = (TPBR) / AGC	8.16%	

Acronyms:

CPS = Company Performance Share  
 TPBR = Total Performance Based Results  
 ASP = Applicable Sharing Percentage  
 PAC = Percent of Actual Gas Costs  
 AGC = Actual Gas Costs  
 TCI = Transportation Cost Incentive  
 OSSI = Off-System Sales Incentive  
 GCI = Gas Cost Incentive

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Aug-17**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0955	Demand Vol @ Max Rate	\$309,548.32
		TCO	80160	SST	95,440	\$6.3190	Demand Vol @ Max Rate	\$603,085.36
		TCO	81540	SST	15,000	\$6.3190	Demand Vol @ Max Rate	<u>\$94,785.00</u>
								\$1,007,418.68
						<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$93,989.25
		TCO	80160	SST	95,440	\$4.1850	Demand Vol @ Disc Rate	\$399,416.40
		TCO	81540	SST	15,000	\$4.1850	Demand Vol @ Disc Rate	\$62,775.00
LESS: Marketed Cap Release		<b>TCO</b>	<b>SST</b>		<b>0</b>	<b>\$0.0000</b>		<u>\$0.00</u>
								\$556,180.65
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$9,034.20
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$6,014.00
							<b>Total TCI</b>	<b>\$466,286.23</b>

**TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)

**TATC -** Total Actual Transportation Cost (from Transportation Closing Report)

**TCI -** Transportation Cost Incentive



**CKY GCI CALCULATION**

**Flow Period: Aug-17**

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price Natural Gas Week (NGW)			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500
8/1/17	\$2.7800	\$2.8500	\$2.8800	\$2.7000	\$2.7450	\$2.7600	\$2.6500	\$2.6900	\$2.7300	\$2.7100	\$2.7617	\$2.7900
8/2/17	\$2.7800	\$2.8500	\$2.8800	\$2.6500	\$2.6800	\$2.7050	\$2.6500	\$2.6900	\$2.7300	\$2.6933	\$2.7400	\$2.7717
8/3/17	\$2.7800	\$2.8500	\$2.8800	\$2.6800	\$2.7100	\$2.7650	\$2.6500	\$2.6900	\$2.7300	\$2.7033	\$2.7500	\$2.7917
8/4/17	\$2.7800	\$2.8500	\$2.8800	\$2.6800	\$2.7250	\$2.7600	\$2.6500	\$2.6900	\$2.7300	\$2.7033	\$2.7550	\$2.7900
8/5/17	\$2.7800	\$2.8500	\$2.8800	\$2.6200	\$2.6800	\$2.7150	\$2.6500	\$2.6900	\$2.7300	\$2.6833	\$2.7400	\$2.7750
8/6/17	\$2.7800	\$2.8500	\$2.8800	\$2.6200	\$2.6800	\$2.7150	\$2.6500	\$2.6900	\$2.7300	\$2.6833	\$2.7400	\$2.7750
8/7/17	\$2.7800	\$2.8500	\$2.8800	\$2.6200	\$2.6800	\$2.7150	\$2.6500	\$2.6900	\$2.7300	\$2.6833	\$2.7400	\$2.7750
8/8/17	\$2.7800	\$2.8500	\$2.8800	\$2.6450	\$2.6900	\$2.7150	\$2.7300	\$2.7900	\$2.8700	\$2.7183	\$2.7767	\$2.8217
8/9/17	\$2.7800	\$2.8500	\$2.8800	\$2.6300	\$2.7000	\$2.7400	\$2.7300	\$2.7900	\$2.8700	\$2.7133	\$2.7800	\$2.8300
8/10/17	\$2.7800	\$2.8500	\$2.8800	\$2.7200	\$2.7800	\$2.8250	\$2.7300	\$2.7900	\$2.8700	\$2.7433	\$2.8067	\$2.8583
8/11/17	\$2.7800	\$2.8500	\$2.8800	\$2.7450	\$2.8350	\$2.8450	\$2.7300	\$2.7900	\$2.8700	\$2.7517	\$2.8250	\$2.8650
8/12/17	\$2.7800	\$2.8500	\$2.8800	\$2.8100	\$2.8600	\$2.9100	\$2.7300	\$2.7900	\$2.8700	\$2.7733	\$2.8333	\$2.8867
8/13/17	\$2.7800	\$2.8500	\$2.8800	\$2.8100	\$2.8600	\$2.9100	\$2.7300	\$2.7900	\$2.8700	\$2.7733	\$2.8333	\$2.8867
8/14/17	\$2.7800	\$2.8500	\$2.8800	\$2.8100	\$2.8600	\$2.9100	\$2.7300	\$2.7900	\$2.8700	\$2.7733	\$2.8333	\$2.8867
8/15/17	\$2.7800	\$2.8500	\$2.8800	\$2.8550	\$2.8800	\$2.9350	\$2.8100	\$2.8400	\$2.8700	\$2.8150	\$2.8567	\$2.8950
8/16/17	\$2.7800	\$2.8500	\$2.8800	\$2.8500	\$2.8750	\$2.9000	\$2.8100	\$2.8400	\$2.8700	\$2.8133	\$2.8550	\$2.8833
8/17/17	\$2.7800	\$2.8500	\$2.8800	\$2.7850	\$2.8350	\$2.8700	\$2.8100	\$2.8400	\$2.8700	\$2.7917	\$2.8417	\$2.8733
8/18/17	\$2.7800	\$2.8500	\$2.8800	\$2.7950	\$2.8300	\$2.8650	\$2.8100	\$2.8400	\$2.8700	\$2.7950	\$2.8400	\$2.8717
8/19/17	\$2.7800	\$2.8500	\$2.8800	\$2.7950	\$2.8350	\$2.8700	\$2.8100	\$2.8400	\$2.8700	\$2.7950	\$2.8417	\$2.8733
8/20/17	\$2.7800	\$2.8500	\$2.8800	\$2.7950	\$2.8350	\$2.8700	\$2.8100	\$2.8400	\$2.8700	\$2.7950	\$2.8417	\$2.8733
8/21/17	\$2.7800	\$2.8500	\$2.8800	\$2.7950	\$2.8350	\$2.8700	\$2.8100	\$2.8400	\$2.8700	\$2.7950	\$2.8417	\$2.8733
8/22/17	\$2.7800	\$2.8500	\$2.8800	\$2.8150	\$2.8750	\$2.8800	\$2.7500	\$2.8200	\$2.8800	\$2.7817	\$2.8483	\$2.8800
8/23/17	\$2.7800	\$2.8500	\$2.8800	\$2.8650	\$2.9100	\$2.9400	\$2.7500	\$2.8200	\$2.8800	\$2.7983	\$2.8600	\$2.9000
8/24/17	\$2.7800	\$2.8500	\$2.8800	\$2.8150	\$2.8400	\$2.8750	\$2.7500	\$2.8200	\$2.8800	\$2.7817	\$2.8367	\$2.8783
8/25/17	\$2.7800	\$2.8500	\$2.8800	\$2.8250	\$2.8300	\$2.9100	\$2.7500	\$2.8200	\$2.8800	\$2.7850	\$2.8333	\$2.8900
8/26/17	\$2.7800	\$2.8500	\$2.8800	\$2.7200	\$2.7700	\$2.8500	\$2.7500	\$2.8200	\$2.8800	\$2.7500	\$2.8133	\$2.8700
8/27/17	\$2.7800	\$2.8500	\$2.8800	\$2.7200	\$2.7700	\$2.8500	\$2.7500	\$2.8200	\$2.8800	\$2.7500	\$2.8133	\$2.8700
8/28/17	\$2.7800	\$2.8500	\$2.8800	\$2.7200	\$2.7700	\$2.8500	\$2.7500	\$2.8200	\$2.8800	\$2.7500	\$2.8133	\$2.8700
8/29/17	\$2.7800	\$2.8500	\$2.8800	\$2.7900	\$2.8250	\$2.8950	\$2.7500	\$2.8100	\$2.9000	\$2.7733	\$2.8283	\$2.8917
8/30/17	\$2.7800	\$2.8500	\$2.8800	\$2.7800	\$2.7950	\$2.8500	\$2.7500	\$2.8100	\$2.9000	\$2.7700	\$2.8183	\$2.8767
8/31/17	\$2.7800	\$2.8500	\$2.8800	\$2.7500	\$2.7850	\$2.8450	\$2.7500	\$2.8100	\$2.9000	\$2.7600	\$2.8150	\$2.8750
<b>Avg Rate</b>	\$2.7800	\$2.8500	\$2.8800	\$2.7487	\$2.7929	\$2.8360	\$2.7365	\$2.7874	\$2.8435	\$2.7551	\$2.8101	\$2.8532

MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ACTUAL						
Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)	
TCO	P10	1,874,200	\$5,121,493.00	\$5,163,521.76	\$42,028.76	
CGT	M/L	0	\$0.00	\$0.00	\$0.00	
TENN	500	0	\$0.00	\$0.00	\$0.00	
					\$42,028.76	

**COLUMBIA GAS OF KENTUCKY**

**Off-System Sales - SALES Activity Booking Report**

**Aug-17**

Prepared: 25-Apr-18

As Of: 8/31/17

DATA *	SALES TYPE **	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
							VOLUMES INVOICED	SALES RATE	TOTAL SALE	
STATUS							Dth	\$/Dth	\$	
I	S	S0245879	8/1/17	8/1/17	TCO	WV	3,900	\$2.8800	\$11,232.00	\$126.75
I	S	S0245881	8/1/17	8/1/17	TCO	WV	200	\$2.8900	\$578.00	\$8.50
I	S	S0245911	8/1/17	8/1/17	TCO	WV	10,000	\$2.8250	\$28,250.00	\$25.00
I	S	S0245790	8/1/17	8/1/17	TCO	WV	12,000	\$2.8575	\$34,290.00	\$120.00
I	S	S0245791	8/1/17	8/1/17	TCO	WV	7,400	\$2.8600	\$21,164.00	\$130.76
I	S	S0245792	8/1/17	8/1/17	TCO	WV	5,000	\$2.8600	\$14,300.00	\$262.50
I	S	S0245794	8/1/17	8/1/17	TCO	WV	75,000	\$2.8200	\$211,500.00	\$937.50
I	S	S0245823	8/1/17	8/1/17	TCO	WV	13,700	\$2.7975	\$38,325.75	\$68.50
I	S	S0245824	8/1/17	8/1/17	TCO	WV	1,300	\$2.7975	\$3,636.75	\$6.50
I	S	S0245825	8/1/17	8/1/17	TCO	WV	10,000	\$2.7975	\$27,975.00	\$50.00
I	S	S0245837	8/1/17	8/1/17	TCO	WV	400	\$2.7975	\$1,119.00	\$5.00
I	S	S0245845	8/1/17	8/1/17	TCO	WV	31,500	\$2.7975	\$88,121.25	\$157.50
I	S	S0245848	8/1/17	8/1/17	TCO	WV	6,900	\$2.7975	\$19,302.75	\$34.50
I	S	S0245872	8/1/17	8/1/17	TCO	WV	2,600	\$2.8175	\$7,325.50	\$13.00
I	S	S0245747	8/1/17	8/1/17	TCO	WV	1,900	\$2.8700	\$5,453.00	\$33.25
I	S	S0245748	8/1/17	8/1/17	TCO	WV	1,700	\$2.8750	\$4,887.50	\$38.25
I	S	S0245749	8/1/17	8/1/17	TCO	WV	4,600	\$2.8750	\$13,225.00	\$103.50
I	S	S0245750	8/1/17	8/1/17	TCO	WV	1,500	\$2.8750	\$4,312.50	\$33.75
I	S	S0245779	8/1/17	8/1/17	TCO	WV	5,000	\$2.8550	\$14,275.00	\$12.50
I	S	S0245780	8/1/17	8/1/17	TCO	WV	10,000	\$2.8550	\$28,550.00	\$25.00
I	S	S0245781	8/1/17	8/1/17	TCO	WV	8,000	\$2.8575	\$22,860.00	\$87.28
I	S	S0245785	8/1/17	8/1/17	TCO	WV	10,000	\$2.8500	\$28,500.00	\$425.00
I	S	S0245787	8/1/17	8/1/17	TCO	WV	5,000	\$2.8600	\$14,300.00	\$262.50
I	S	S0245788	8/1/17	8/1/17	TCO	WV	5,000	\$2.8600	\$14,300.00	\$62.50
I	S	S0245789	8/1/17	8/1/17	TCO	WV	3,000	\$2.8600	\$8,580.00	\$37.50
		25					235,600		\$666,363.00	\$3,067.04

**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - EXCHANGE Activity Report**  
**Aug-17**

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	INVOICE MONTH	# OF	# OF	STATE OF SALE	Sales Amounts			Current Month Proraton			
				FLOW DATE	FLOW DATE		MONTHS IN TERM	MONTHS EXPIRED		DELIVERY POINT	VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	TOTAL SALE	MARGIN
E	E	OPP	S0244754	5/1/17	8/1/17	8/1/17	4	4	TCO	WV	232500	\$0.1700	\$39,525.00	\$0.00	\$9,881.25	\$9,881.25
E	E	OPP	S0245895		8/1/17	9/1/17	2	1	TCO	WV	30,000	\$0.0500	\$1,500.00	\$0.00	\$750.00	\$750.00
E	E	OPP	S0244792	6/1/17		12/1/17	7	3	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$4,871.43	\$4,871.43
E	E	OPP	S0244793	6/1/17		1/1/18	8	3	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$4,262.50	\$4,262.50
E	E	OPP	S0244794	6/1/17		2/1/18	9	3	TCO	WV	140,000	\$0.2200	\$30,800.00	\$0.00	\$3,422.22	\$3,422.22
E	E	OPP	S0244795	6/1/17		3/1/18	10	3	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$3,410.00	\$3,410.00
			6								867,500		\$174,125.00		\$26,597.40	\$26,597.40

**SEPTEMBER 2017**

**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: Sep-17**

<u>Ln.</u>	<u>PBR Component Description</u>	<b>Sep-17</b> <b>ACTUAL</b>	
1	CPS = (TPBR) x ASP	\$19,289.34	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$237,664.32</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$256,953.66</b>	
4	TCI (includes Marketed CapR)	\$466,286.22	
5	GCI	\$18,932.51	
6	OSSI		
	Sales	\$14,185.41	
	Exch	\$40,222.29	
7	TPBR = (TCI+GCI+OSSI)	\$539,626.43	
8	AGC (**Total Gas Cost)	\$3,214,889.97	
	Sys Supply Purch	\$1,752,131.43	
	Core	\$17,295.60	
	Misc Adjustment	\$0.00	
	Transportation	\$1,445,462.94	
9	2% of AGC	\$64,297.80	
10	PAC = (TPBR) / AGC	16.79%	

Acronyms:

CPS = Company Performance Share  
 TPBR = Total Performance Based Results  
 ASP = Applicable Sharing Percentage  
 PAC = Percent of Actual Gas Costs  
 AGC = Actual Gas Costs  
 TCI = Transportation Cost Incentive  
 OSSI = Off-System Sales Incentive  
 GCI = Gas Cost Incentive

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Sep-17**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0955	Demand Vol @ Max Rate	\$309,548.32
		TCO	80160	SST	95,440	\$6.3190	Demand Vol @ Max Rate	\$603,085.36
		TCO	81540	SST	15,000	\$6.3190	Demand Vol @ Max Rate	\$94,785.00
								\$1,007,418.68
						<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$93,989.26
		TCO	80160	SST	95,440	\$4.1850	Demand Vol @ Disc Rate	\$399,416.40
		TCO	81540	SST	15,000	\$4.1850	Demand Vol @ Disc Rate	\$62,775.00
LESS: Marketed Cap Release		<b>TCO</b>	<b>SST</b>		<b>0</b>	<b>\$0.0000</b>		<u>\$0.00</u>
								\$556,180.66
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$9,034.20
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$6,014.00
							<b>Total TCI</b>	<b>\$466,286.22</b>

**TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)

**TATC -** Total Actual Transportation Cost (from Transportation Closing Report)

**TCI -** Transportation Cost Incentive

**CKY GCI CALCULATION**

**Flow Period: Sep-17**

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price Natural Gas Week (NGW)			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500
9/1/17	\$2.7800	\$2.8500	\$2.8900	\$2.7100	\$2.8150	\$2.8500	\$2.7500	\$2.8100	\$2.9000	\$2.7467	\$2.8250	\$2.8800
9/2/17	\$2.7800	\$2.8500	\$2.8900	\$2.7350	\$2.8150	\$2.9000	\$2.7500	\$2.8100	\$2.9000	\$2.7550	\$2.8250	\$2.8967
9/3/17	\$2.7800	\$2.8500	\$2.8900	\$2.7350	\$2.8150	\$2.9000	\$2.7500	\$2.8100	\$2.9000	\$2.7550	\$2.8250	\$2.8967
9/4/17	\$2.7800	\$2.8500	\$2.8900	\$2.7350	\$2.8150	\$2.9000	\$2.7500	\$2.8100	\$2.9000	\$2.7550	\$2.8250	\$2.8967
9/5/17	\$2.7800	\$2.8500	\$2.8900	\$2.7350	\$2.8150	\$2.9000	\$2.6900	\$2.7400	\$2.8200	\$2.7350	\$2.8017	\$2.8700
9/6/17	\$2.7800	\$2.8500	\$2.8900	\$2.7250	\$2.7800	\$2.8750	\$2.6900	\$2.7400	\$2.8200	\$2.7317	\$2.7900	\$2.8617
9/7/17	\$2.7800	\$2.8500	\$2.8900	\$2.7550	\$2.8100	\$2.9000	\$2.6900	\$2.7400	\$2.8200	\$2.7417	\$2.8000	\$2.8700
9/8/17	\$2.7800	\$2.8500	\$2.8900	\$2.7250	\$2.7850	\$2.8500	\$2.6900	\$2.7400	\$2.8200	\$2.7317	\$2.7917	\$2.8533
9/9/17	\$2.7800	\$2.8500	\$2.8900	\$2.6550	\$2.6950	\$2.7250	\$2.6900	\$2.7400	\$2.8200	\$2.7083	\$2.7617	\$2.8117
9/10/17	\$2.7800	\$2.8500	\$2.8900	\$2.6550	\$2.6950	\$2.7250	\$2.6900	\$2.7400	\$2.8200	\$2.7083	\$2.7617	\$2.8117
9/11/17	\$2.7800	\$2.8500	\$2.8900	\$2.6550	\$2.6950	\$2.7250	\$2.6900	\$2.7400	\$2.8200	\$2.7083	\$2.7617	\$2.8117
9/12/17	\$2.7800	\$2.8500	\$2.8900	\$2.7100	\$2.7500	\$2.8000	\$2.7900	\$2.8600	\$2.9500	\$2.7600	\$2.8200	\$2.8800
9/13/17	\$2.7800	\$2.8500	\$2.8900	\$2.7650	\$2.8200	\$2.8850	\$2.7900	\$2.8600	\$2.9500	\$2.7783	\$2.8433	\$2.9083
9/14/17	\$2.7800	\$2.8500	\$2.8900	\$2.8450	\$2.8800	\$2.9750	\$2.7900	\$2.8600	\$2.9500	\$2.8050	\$2.8633	\$2.9383
9/15/17	\$2.7800	\$2.8500	\$2.8900	\$2.8750	\$2.9150	\$2.9750	\$2.7900	\$2.8600	\$2.9500	\$2.8150	\$2.8750	\$2.9383
9/16/17	\$2.7800	\$2.8500	\$2.8900	\$2.7750	\$2.8650	\$2.9600	\$2.7900	\$2.8600	\$2.9500	\$2.7817	\$2.8583	\$2.9333
9/17/17	\$2.7800	\$2.8500	\$2.8900	\$2.7750	\$2.8650	\$2.9600	\$2.7900	\$2.8600	\$2.9500	\$2.7817	\$2.8583	\$2.9333
9/18/17	\$2.7800	\$2.8500	\$2.8900	\$2.7750	\$2.8650	\$2.9600	\$2.7900	\$2.8600	\$2.9500	\$2.7817	\$2.8583	\$2.9333
9/19/17	\$2.7800	\$2.8500	\$2.8900	\$2.9700	\$3.0050	\$3.0800	\$2.8700	\$2.9300	\$3.0300	\$2.8733	\$2.9283	\$3.0000
9/20/17	\$2.7800	\$2.8500	\$2.8900	\$3.0100	\$3.0500	\$3.1250	\$2.8700	\$2.9300	\$3.0300	\$2.8867	\$2.9433	\$3.0150
9/21/17	\$2.7800	\$2.8500	\$2.8900	\$3.0050	\$3.0500	\$3.1200	\$2.8700	\$2.9300	\$3.0300	\$2.8850	\$2.9433	\$3.0133
9/22/17	\$2.7800	\$2.8500	\$2.8900	\$2.9400	\$2.9600	\$3.0250	\$2.8700	\$2.9300	\$3.0300	\$2.8633	\$2.9133	\$2.9817
9/23/17	\$2.7800	\$2.8500	\$2.8900	\$2.8350	\$2.8600	\$2.9450	\$2.8700	\$2.9300	\$3.0300	\$2.8283	\$2.8800	\$2.9550
9/24/17	\$2.7800	\$2.8500	\$2.8900	\$2.8350	\$2.8600	\$2.9450	\$2.8700	\$2.9300	\$3.0300	\$2.8283	\$2.8800	\$2.9550
9/25/17	\$2.7800	\$2.8500	\$2.8900	\$2.8350	\$2.8600	\$2.9450	\$2.8700	\$2.9300	\$3.0300	\$2.8283	\$2.8800	\$2.9550
9/26/17	\$2.7800	\$2.8500	\$2.8900	\$2.8900	\$2.8850	\$2.9200	\$2.7200	\$2.8000	\$2.8900	\$2.7967	\$2.8450	\$2.9000
9/27/17	\$2.7800	\$2.8500	\$2.8900	\$2.8300	\$2.8650	\$2.9400	\$2.7200	\$2.8000	\$2.8900	\$2.7767	\$2.8383	\$2.9067
9/28/17	\$2.7800	\$2.8500	\$2.8900	\$2.8350	\$2.8850	\$2.9500	\$2.7200	\$2.8000	\$2.8900	\$2.7783	\$2.8450	\$2.9100
9/29/17	\$2.7800	\$2.8500	\$2.8900	\$2.7550	\$2.8250	\$2.8900	\$2.7200	\$2.8000	\$2.8900	\$2.7517	\$2.8250	\$2.8900
9/30/17	\$2.7800	\$2.8500	\$2.8900	\$2.7550	\$2.8250	\$2.8900	\$2.7200	\$2.8000	\$2.8900	\$2.7517	\$2.8250	\$2.8900
<b>Avg Rate</b>	\$2.7800	\$2.8500	\$2.8900	\$2.7945	\$2.8475	\$2.9180	\$2.7683	\$2.8317	\$2.9217	\$2.7809	\$2.8431	\$2.9099

**MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ACTUAL**

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	636,857	\$1,752,131.43	\$1,771,063.94	\$18,932.51
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$18,932.51

**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - SALES Activity Booking Report**  
**Sep-17**

DATA * STATUS	SALES TYPE **	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
							VOLUMES INVOICED	SALES RATE	TOTAL SALE	
							Dth	\$/Dth	\$	
I	S	S0246081	9/1/17	9/1/17	TCO	WV	7,300	\$2.9700	\$21,681.00	\$711.75
I	S	S0246082	9/1/17	9/1/17	TCO	WV	16,700	\$2.9800	\$49,766.00	\$1,812.79
I	S	S0246088	9/1/17	9/1/17	TCO	WV	5,000	\$3.0125	\$15,062.50	\$25.00
I	S	S0246094	9/1/17	9/1/17	TCO	WV	15,000	\$3.0075	\$45,112.50	\$75.00
I	S	S0246099	9/1/17	9/1/17	TCO	WV	11,000	\$3.0300	\$33,330.00	\$222.53
I	S	S0246100	9/1/17	9/1/17	TCO	WV	5,000	\$3.0350	\$15,175.00	\$137.50
I	S	S0246105	9/1/17	9/1/17	TCO	WV	7,500	\$3.0475	\$22,856.25	\$783.75
I	S	S0245993	9/1/17	9/1/17	TCO	WV	3,000	\$2.7950	\$8,385.00	\$60.00
I	S	S0246008	9/1/17	9/1/17	TCO	WV	10,143	\$2.8700	\$29,110.41	\$963.59
I	S	S0246009	9/1/17	9/1/17	TCO	WV	11,200	\$2.8250	\$31,640.00	\$560.00
I	S	S0246010	9/1/17	9/1/17	TCO	WV	1,600	\$2.8250	\$4,520.00	\$80.00
I	S	S0246011	9/1/17	9/1/17	TCO	WV	125,000	\$2.8400	\$355,000.00	\$8,125.00
I	S	S0246050	9/1/17	9/1/17	TCO	WV	22,500	\$2.6575	\$59,793.75	\$168.75
I	S	S0246051	9/1/17	9/1/17	TCO	WV	2,700	\$2.6575	\$7,175.25	\$20.25
I	S	S0246052	9/1/17	9/1/17	TCO	WV	4,800	\$2.6575	\$12,756.00	\$36.00
I	S	S0246066	9/1/17	9/1/17	TCO	WV	3,600	\$2.7775	\$9,999.00	\$27.00
I	S	S0246067	9/1/17	9/1/17	TCO	WV	26,400	\$2.7800	\$73,392.00	\$264.00
I	S	S0246075	9/1/17	9/1/17	TCO	WV	15,000	\$2.9750	\$44,625.00	\$112.50
							18	293,443	\$839,379.66	\$14,185.41



COLUMBIA GAS OF KENTUCKY  
 Off-System Sales - EXCHANGE Activity Report  
 Sep-17

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS DELIVERY EXPIRED	DELIVERY POINT	STATE OF SALE	Sales Amounts			Current Month Proration		
											VOLUMES	SALES	TOTAL	TRANSPORT	TOTAL	MARGIN
											Dth	RATE \$/Dth	SALE \$	COST	SALE	
E	E	OPP	S0245895	9/1/17	8/1/17	9/1/17	2	2	TCO	WV	30,000	\$0.0500	\$1,500.00	\$0.00	\$750.00	\$750.00
E	E	OPP	S0244792	6/1/17		12/1/17	7	4	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$4,871.43	\$4,871.43
E	E	OPP	S0245971	9/1/17		12/1/17	4	1	TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$7,905.00	\$7,905.00
E	E	OPP	S0244793	6/1/17		1/1/18	8	4	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$4,262.50	\$4,262.50
E	E	OPP	S0245972	9/1/17		1/1/18	5	1	TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$6,324.00	\$6,324.00
E	E	OPP	S0244794	6/1/17		2/1/18	9	4	TCO	WV	140,000	\$0.2200	\$30,800.00	\$0.00	\$3,422.22	\$3,422.22
E	E	OPP	S0245973	9/1/17		2/1/18	6	1	TCO	WV	142,800	\$0.2000	\$28,560.00	\$0.00	\$4,760.00	\$4,760.00
E	E	OPP	S0244795	6/1/17		3/1/18	10	4	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$3,410.00	\$3,410.00
E	E	OPP	S0245974	9/1/17		3/1/18	7	1	TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$4,517.14	\$4,517.14
9											1,252,100		\$258,020.00		\$40,222.29	\$40,222.29

OCTOBER 2017

**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: Oct-17**

<u>Ln.</u>	<u>PBR Component Description</u>	<b>Oct-17 ACTUAL</b>	
1	CPS = (TPBR) x ASP	\$20,972.54	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$304,701.50</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$325,674.04</b>	
4	TCI (includes Marketed CapR)	\$702,027.18	
5	GCI	(\$64,988.70)	
6	OSSI		
	Sales	\$2,800.69	
	Exch	\$39,472.29	
7	TPBR = (TCI+GCI+OSSI)	\$679,311.46	
8	AGC (**Total Gas Cost)	\$3,495,423.42	
	Sys Supply Purch	\$1,575,807.75	
	Core	\$27,268.26	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,892,347.41	
			tell
9	2% of AGC	\$69,908.47	
10	PAC = (TPBR) / AGC	19.43%	

Acronyms:

CPS = Company Performance Share  
 TPBR = Total Performance Based Results  
 ASP = Applicable Sharing Percentage  
 PAC = Percent of Actual Gas Costs  
 AGC = Actual Gas Costs  
 TCI = Transportation Cost Incentive  
 OSSI = Off-System Sales Incentive  
 GCI = Gas Cost Incentive

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Oct-17**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0955	Demand Vol @ Max Rate	\$309,548.32
		TCO	80160	SST	190,880	\$6.3190	Demand Vol @ Max Rate	\$1,206,170.72
		TCO	81540	SST	30,000	\$6.3190	Demand Vol @ Max Rate	<u>\$189,570.00</u>
								\$1,705,289.04
						<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$93,989.26
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$125,550.00
LESS: Marketed Cap Release		<b>TCO</b>	<b>SST</b>		<b>0</b>	<b>\$0.0000</b>		<u>\$0.00</u>
								\$1,018,372.06
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$9,034.20
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$6,076.00
							<b>Total TCI</b>	<b>\$702,027.18</b>

**TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)

**TATC -** Total Actual Transportation Cost (from Transportation Closing Report)

**TCI -** Transportation Cost Incentive

**CKY GCI CALCULATION**

**Flow Period: Oct-17**

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	Natural Gas Week (NGW)			TCO P10	CGT Main	TGP 500
							TCO P10	CGT Main	TGP 500			
10/1/17	\$2.7600	\$2.8400	\$2.8800	\$2.6500	\$2.7350	\$2.8100	\$2.7200	\$2.8000	\$2.8900	\$2.7100	\$2.7917	\$2.8600
10/2/17	\$2.7600	\$2.8400	\$2.8800	\$2.6500	\$2.7350	\$2.8100	\$2.7200	\$2.8000	\$2.8900	\$2.7100	\$2.7917	\$2.8600
10/3/17	\$2.7600	\$2.8400	\$2.8800	\$2.4450	\$2.6450	\$2.7350	\$2.6100	\$2.7100	\$2.8100	\$2.6050	\$2.7317	\$2.8083
10/4/17	\$2.7600	\$2.8400	\$2.8800	\$2.3500	\$2.6200	\$2.7450	\$2.6100	\$2.7100	\$2.8100	\$2.5733	\$2.7233	\$2.8117
10/5/17	\$2.7600	\$2.8400	\$2.8800	\$2.6100	\$2.7250	\$2.8400	\$2.6100	\$2.7100	\$2.8100	\$2.6600	\$2.7583	\$2.8433
10/6/17	\$2.7600	\$2.8400	\$2.8800	\$2.7050	\$2.8100	\$2.9100	\$2.6100	\$2.7100	\$2.8100	\$2.6917	\$2.7867	\$2.8667
10/7/17	\$2.7600	\$2.8400	\$2.8800	\$2.6400	\$2.7350	\$2.8250	\$2.6100	\$2.7100	\$2.8100	\$2.6700	\$2.7617	\$2.8383
10/8/17	\$2.7600	\$2.8400	\$2.8800	\$2.6400	\$2.7350	\$2.8250	\$2.6100	\$2.7100	\$2.8100	\$2.6700	\$2.7617	\$2.8383
10/9/17	\$2.7600	\$2.8400	\$2.8800	\$2.6400	\$2.7350	\$2.8250	\$2.6100	\$2.7100	\$2.8100	\$2.6700	\$2.7617	\$2.8383
10/10/17	\$2.7600	\$2.8400	\$2.8800	\$2.6350	\$2.7350	\$2.8000	\$2.6900	\$2.8100	\$2.9100	\$2.6950	\$2.7950	\$2.8633
10/11/17	\$2.7600	\$2.8400	\$2.8800	\$2.6700	\$2.7550	\$2.8500	\$2.6900	\$2.8100	\$2.9100	\$2.7067	\$2.8017	\$2.8800
10/12/17	\$2.7600	\$2.8400	\$2.8800	\$2.7050	\$2.7850	\$2.8850	\$2.6900	\$2.8100	\$2.9100	\$2.7183	\$2.8117	\$2.8917
10/13/17	\$2.7600	\$2.8400	\$2.8800	\$2.6850	\$2.7950	\$2.9050	\$2.6900	\$2.8100	\$2.9100	\$2.7117	\$2.8150	\$2.8983
10/14/17	\$2.7600	\$2.8400	\$2.8800	\$2.6800	\$2.8650	\$2.9400	\$2.6900	\$2.8100	\$2.9100	\$2.7100	\$2.8383	\$2.9100
10/15/17	\$2.7600	\$2.8400	\$2.8800	\$2.6800	\$2.8650	\$2.9400	\$2.6900	\$2.8100	\$2.9100	\$2.7100	\$2.8383	\$2.9100
10/16/17	\$2.7600	\$2.8400	\$2.8800	\$2.6800	\$2.8650	\$2.9400	\$2.6900	\$2.8100	\$2.9100	\$2.7100	\$2.8383	\$2.9100
10/17/17	\$2.7600	\$2.8400	\$2.8800	\$2.6500	\$2.7300	\$2.8200	\$2.0000	\$2.6700	\$2.7800	\$2.4700	\$2.7467	\$2.8267
10/18/17	\$2.7600	\$2.8400	\$2.8800	\$2.6700	\$2.7600	\$2.8550	\$2.0000	\$2.6700	\$2.7800	\$2.4767	\$2.7567	\$2.8383
10/19/17	\$2.7600	\$2.8400	\$2.8800	\$2.6150	\$2.6950	\$2.7800	\$2.0000	\$2.6700	\$2.7800	\$2.4583	\$2.7350	\$2.8133
10/20/17	\$2.7600	\$2.8400	\$2.8800	\$2.5850	\$2.6800	\$2.7700	\$2.0000	\$2.6700	\$2.7800	\$2.4483	\$2.7300	\$2.8100
10/21/17	\$2.7600	\$2.8400	\$2.8800	\$1.5250	\$2.6350	\$2.7450	\$2.0000	\$2.6700	\$2.7800	\$2.0950	\$2.7150	\$2.8017
10/22/17	\$2.7600	\$2.8400	\$2.8800	\$1.5250	\$2.6350	\$2.7450	\$2.0000	\$2.6700	\$2.7800	\$2.0950	\$2.7150	\$2.8017
10/23/17	\$2.7600	\$2.8400	\$2.8800	\$1.5250	\$2.6350	\$2.7450	\$2.0000	\$2.6700	\$2.7800	\$2.0950	\$2.7150	\$2.8017
10/24/17	\$2.7600	\$2.8400	\$2.8800	\$2.7300	\$2.8300	\$2.9100	\$2.6600	\$2.7500	\$2.8100	\$2.7167	\$2.8067	\$2.8667
10/25/17	\$2.7600	\$2.8400	\$2.8800	\$2.7600	\$2.8450	\$2.8900	\$2.6600	\$2.7500	\$2.8100	\$2.7267	\$2.8117	\$2.8600
10/26/17	\$2.7600	\$2.8400	\$2.8800	\$2.7600	\$2.8350	\$2.8900	\$2.6600	\$2.7500	\$2.8100	\$2.7267	\$2.8083	\$2.8600
10/27/17	\$2.7600	\$2.8400	\$2.8800	\$2.6850	\$2.7600	\$2.8100	\$2.6600	\$2.7500	\$2.8100	\$2.7017	\$2.7833	\$2.8333
10/28/17	\$2.7600	\$2.8400	\$2.8800	\$2.6050	\$2.7000	\$2.7550	\$2.6600	\$2.7500	\$2.8100	\$2.6750	\$2.7633	\$2.8150
10/29/17	\$2.7600	\$2.8400	\$2.8800	\$2.6050	\$2.7000	\$2.7550	\$2.6600	\$2.7500	\$2.8100	\$2.6750	\$2.7633	\$2.8150
10/30/17	\$2.7600	\$2.8400	\$2.8800	\$2.6050	\$2.7000	\$2.7550	\$2.6600	\$2.7500	\$2.8100	\$2.6750	\$2.7633	\$2.8150
10/31/17	\$2.7600	\$2.8400	\$2.8800	\$2.6700	\$2.7650	\$2.8550	\$2.6600	\$2.7500	\$2.8100	\$2.6967	\$2.7850	\$2.8483
<b>Avg Rate</b>	\$2.7600	\$2.8400	\$2.8800	\$2.5348	\$2.7434	\$2.8279	\$2.5103	\$2.7397	\$2.8310	\$2.6017	\$2.7744	\$2.8463

MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ACTUAL						
Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)	
TCO	P10	580,700	\$1,575,807.75	\$1,510,819.05	(\$64,988.70)	
CGT	M/L	0	\$0.00	\$0.00	\$0.00	
TENN	500	0	\$0.00	\$0.00	\$0.00	
					(\$64,988.70)	

**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - SALES Activity Booking Report**  
**Oct-17**

INVOICED SALES AMOUNTS
Sales Amounts

<b>MARGIN</b>
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<u>DATA *</u> <u>STATUS</u>	<u>SALES</u> <u>TYPE **</u>	<u>SALES ID</u>	<u>RECEIPT</u> <u>FLOW</u> <u>DATE</u>	<u>DELIVERY</u> <u>FLOW</u> <u>DATE</u>	<u>DELIVERY</u> <u>POINT</u>	<u>STATE</u> <u>OF</u> <u>SALE</u>	<u>VOLUMES</u> <u>INVOICED</u>	<u>SALES</u> <u>RATE</u>	<u>TOTAL</u> <u>SALE</u>	<u>MARGIN</u>
							Dth	\$/Dth	\$	
I	S	S0246252	10/1/17	10/1/17	TCO	WV	10,000	\$2.7075	\$27,075.00	\$100.00
I	S	S0246310	10/1/17	10/1/17	TCO	WV	6,000	\$2.6900	\$16,140.00	\$285.00
I	S	S0246311	10/1/17	10/1/17	TCO	WV	10,000	\$2.6900	\$26,900.00	\$844.00
I	S	S0246323	10/1/17	10/1/17	TCO	WV	5,000	\$2.7300	\$13,650.00	\$93.75
I	S	S0246324	10/1/17	10/1/17	TCO	WV	3,000	\$2.7300	\$8,190.00	\$22.50
I	S	S0246334	10/1/17	10/1/17	TCO	WV	10,000	\$2.6900	\$26,900.00	\$900.00
I	S	S0246406	10/1/17	10/1/17	TCO	WV	1,700	\$2.7350	\$4,649.50	\$21.25
I	S	S0246423	10/1/17	10/1/17	TCO	WV	8,300	\$2.7500	\$22,825.00	\$216.22
I	S	S0246424	10/1/17	10/1/17	TCO	WV	8,300	\$2.7500	\$22,825.00	\$317.97
		9					62,300		\$169,154.50	\$2,800.69

COLUMBIA GAS OF KENTUCKY  
 Off-System Sales - EXCHANGE Activity Report  
 Oct-17

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS EXPIRED	DELIVERY POINT	STATE OF SALE	Sales Amounts			Current Month Proration		
											Sales Amounts			TRANSPORT COST	TOTAL SALE	MARGIN
											VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$			
E	E	OPP	S0244792	6/1/17		12/1/17	7	5	TCO	WV	155000	\$0.2200	\$34,100.00	\$0.00	\$4,871.43	\$4,871.43
E	E	OPP	S0245971	9/1/17		12/1/17	4	2	TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$7,905.00	\$7,905.00
E	E	OPP	S0244793	6/1/17		1/1/18	8	5	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$4,262.50	\$4,262.50
E	E	OPP	S0245972	9/1/17		1/1/18	5	2	TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$6,324.00	\$6,324.00
E	E	OPP	S0244794	6/1/17		2/1/18	9	5	TCO	WV	140,000	\$0.2200	\$30,800.00	\$0.00	\$3,422.22	\$3,422.22
E	E	OPP	S0245973	9/1/17		2/1/18	6	2	TCO	WV	142,800	\$0.2000	\$28,560.00	\$0.00	\$4,760.00	\$4,760.00
E	E	OPP	S0244795	6/1/17		3/1/18	10	5	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$3,410.00	\$3,410.00
E	E	OPP	S0245974	9/1/17		3/1/18	7	2	TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$4,517.14	\$4,517.14
8											1,222,100		\$256,520.00		\$39,472.29	\$39,472.29

**NOVEMBER 2017**



**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: Nov-17**

<u>Ln.</u>	<u>PBR Component Description</u>	<b>Nov-17</b> <b>ACTUAL</b>	
1	CPS = (TPBR) x ASP	\$24,152.04	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$307,442.86</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$331,594.90</b>	
4	TCI (includes Marketed CapR)	\$703,546.19	
5	GCI	(\$48,347.21)	
6	OSSI		
	Sales	\$721.25	
	Exch	\$39,472.29	
7	TPBR = (TCI+GCI+OSSI)	\$695,392.52	
8	AGC (**Total Gas Cost)	\$4,025,340.09	
	Sys Supply Purch	\$2,085,864.25	
	Core	\$63,327.52	
	Misc Adjustment	\$0.00	
	Transportation	\$1,876,148.32	
9	2% of AGC	\$80,506.80	
10	PAC = (TPBR) / AGC	17.28%	

Acronyms:

CPS = Company Performance Share  
TPBR = Total Performance Based Results  
ASP = Applicable Sharing Percentage  
PAC = Percent of Actual Gas Costs  
AGC = Actual Gas Costs  
TCI = Transportation Cost Incentive  
OSSI = Off-System Sales Incentive  
GCI = Gas Cost Incentive

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Nov-17**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0961	Demand Vol @ Max Rate	\$309,560.63
		TCO	80160	SST	190,880	\$6.3190	Demand Vol @ Max Rate	\$1,206,170.72
		TCO	81540	SST	30,000	\$6.3190	Demand Vol @ Max Rate	<u>\$189,570.00</u>
								\$1,705,301.35
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$94,001.56
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$125,550.00
LESS: Marketed Cap Release		<b>TCO</b>	<b>SST</b>		<b>0</b>	<b>\$0.0000</b>		<u>\$0.00</u>
								\$1,018,384.36
Marketed Cap Release		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$9,034.20
Marketed Cap Release		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$7,595.00
							<b>Total TCI</b>	<b>\$703,546.19</b>

**TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)

**TATC -** Total Actual Transportation Cost (from Transportation Closing Report)

**TCI -** Transportation Cost Incentive

**CKY GCI CALCULATION**

Flow Period: **Nov-17**

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price Natural Gas Week (NGW)			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Maln	TGP 500	TCO P10	CGT Maln	TGP 500	TCO P10	CGT Maln	TGP 500	TCO P10	CGT Maln	TGP 500
11/1/17	\$2.4400	\$2.6000	\$2.6600	\$2.6050	\$2.6650	\$2.7250	\$2.5400	\$2.6700	\$2.7500	\$2.5283	\$2.6450	\$2.7117
11/2/17	\$2.4400	\$2.6000	\$2.6600	\$2.4700	\$2.5800	\$2.6400	\$2.5400	\$2.6700	\$2.7500	\$2.4833	\$2.6167	\$2.6833
11/3/17	\$2.4400	\$2.6000	\$2.6600	\$2.5350	\$2.6300	\$2.7100	\$2.5400	\$2.6700	\$2.7500	\$2.5050	\$2.6333	\$2.7067
11/4/17	\$2.4400	\$2.6000	\$2.6600	\$2.5400	\$2.6650	\$2.7400	\$2.5400	\$2.6700	\$2.7500	\$2.5067	\$2.6450	\$2.7167
11/5/17	\$2.4400	\$2.6000	\$2.6600	\$2.5400	\$2.6650	\$2.7400	\$2.5400	\$2.6700	\$2.7500	\$2.5067	\$2.6450	\$2.7167
11/6/17	\$2.4400	\$2.6000	\$2.6600	\$2.5400	\$2.6650	\$2.7400	\$2.5400	\$2.6700	\$2.7500	\$2.5067	\$2.6450	\$2.7167
11/7/17	\$2.4400	\$2.6000	\$2.6600	\$2.8700	\$2.9300	\$2.9650	\$3.0000	\$3.0400	\$3.0900	\$2.7700	\$2.8567	\$2.9050
11/8/17	\$2.4400	\$2.6000	\$2.6600	\$2.9400	\$2.9900	\$2.9950	\$3.0000	\$3.0400	\$3.0900	\$2.7933	\$2.8767	\$2.9150
11/9/17	\$2.4400	\$2.6000	\$2.6600	\$3.0000	\$3.0650	\$3.0800	\$3.0000	\$3.0400	\$3.0900	\$2.8133	\$2.9017	\$2.9433
11/10/17	\$2.4400	\$2.6000	\$2.6600	\$3.0600	\$3.1100	\$3.1250	\$3.0000	\$3.0400	\$3.0900	\$2.8333	\$2.9167	\$2.9583
11/11/17	\$2.4400	\$2.6000	\$2.6600	\$3.0100	\$3.0500	\$3.1050	\$3.0000	\$3.0400	\$3.0900	\$2.8167	\$2.8967	\$2.9517
11/12/17	\$2.4400	\$2.6000	\$2.6600	\$3.0100	\$3.0500	\$3.1050	\$3.0000	\$3.0400	\$3.0900	\$2.8167	\$2.8967	\$2.9517
11/13/17	\$2.4400	\$2.6000	\$2.6600	\$3.0100	\$3.0500	\$3.1050	\$3.0000	\$3.0400	\$3.0900	\$2.8167	\$2.8967	\$2.9517
11/14/17	\$2.4400	\$2.6000	\$2.6600	\$3.0000	\$3.0250	\$3.0800	\$2.9500	\$2.9700	\$3.0300	\$2.7967	\$2.8650	\$2.9233
11/15/17	\$2.4400	\$2.6000	\$2.6600	\$2.9450	\$2.9750	\$3.0200	\$2.9500	\$2.9700	\$3.0300	\$2.7783	\$2.8483	\$2.9033
11/16/17	\$2.4400	\$2.6000	\$2.6600	\$2.9750	\$3.0000	\$3.0500	\$2.9500	\$2.9700	\$3.0300	\$2.7883	\$2.8567	\$2.9133
11/17/17	\$2.4400	\$2.6000	\$2.6600	\$2.9650	\$2.9550	\$2.9900	\$2.9500	\$2.9700	\$3.0300	\$2.7850	\$2.8417	\$2.8933
11/18/17	\$2.4400	\$2.6000	\$2.6600	\$2.9150	\$2.9350	\$2.9900	\$2.9500	\$2.9700	\$3.0300	\$2.7683	\$2.8350	\$2.8933
11/19/17	\$2.4400	\$2.6000	\$2.6600	\$2.9150	\$2.9350	\$2.9900	\$2.9500	\$2.9700	\$3.0300	\$2.7683	\$2.8350	\$2.8933
11/20/17	\$2.4400	\$2.6000	\$2.6600	\$2.9150	\$2.9350	\$2.9900	\$2.9500	\$2.9700	\$3.0300	\$2.7683	\$2.8350	\$2.8933
11/21/17	\$2.4400	\$2.6000	\$2.6600	\$2.8750	\$2.9450	\$2.9950	\$2.8100	\$2.8400	\$2.8900	\$2.7083	\$2.7950	\$2.8483
11/22/17	\$2.4400	\$2.6000	\$2.6600	\$2.9000	\$2.9450	\$2.9750	\$2.8100	\$2.8400	\$2.8900	\$2.7167	\$2.7950	\$2.8417
11/23/17	\$2.4400	\$2.6000	\$2.6600	\$2.7900	\$2.8250	\$2.8550	\$2.8100	\$2.8400	\$2.8900	\$2.6800	\$2.7550	\$2.8017
11/24/17	\$2.4400	\$2.6000	\$2.6600	\$2.7900	\$2.8250	\$2.8550	\$2.8100	\$2.8400	\$2.8900	\$2.6800	\$2.7550	\$2.8017
11/25/17	\$2.4400	\$2.6000	\$2.6600	\$2.7900	\$2.8250	\$2.8550	\$2.8100	\$2.8400	\$2.8900	\$2.6800	\$2.7550	\$2.8017
11/26/17	\$2.4400	\$2.6000	\$2.6600	\$2.7900	\$2.8250	\$2.8550	\$2.8100	\$2.8400	\$2.8900	\$2.6800	\$2.7550	\$2.8017
11/27/17	\$2.4400	\$2.6000	\$2.6600	\$2.7900	\$2.8250	\$2.8550	\$2.8100	\$2.8400	\$2.8900	\$2.6800	\$2.7550	\$2.8017
11/28/17	\$2.4400	\$2.6000	\$2.6600	\$2.6900	\$2.7050	\$2.7350	\$2.7700	\$2.8000	\$2.8500	\$2.6333	\$2.7017	\$2.7483
11/29/17	\$2.4400	\$2.6000	\$2.6600	\$2.7650	\$2.8100	\$2.8850	\$2.7700	\$2.8000	\$2.8500	\$2.6583	\$2.7367	\$2.7983
11/30/17	\$2.4400	\$2.6000	\$2.6600	\$2.9050	\$2.9600	\$3.0450	\$2.7700	\$2.8000	\$2.8500	\$2.7050	\$2.7867	\$2.8517
<b>Avg Rate</b>	\$2.4400	\$2.6000	\$2.6600	\$2.8282	\$2.8788	\$2.9265	\$2.8290	\$2.8790	\$2.9373	\$2.6991	\$2.7859	\$2.8413

MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ACTUAL						
Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)	
TCO	P10	754,900	\$2,085,864.25	\$2,037,517.04	(\$48,347.21)	
CGT	M/L	0	\$0.00	\$0.00	\$0.00	
TENN	500	0	\$0.00	\$0.00	\$0.00	
					(\$48,347.21)	

**COLUMBIA GAS OF KENTUCKY**

**Off-System Sales - SALES Activity Booking Report**

**Nov-17**

DATA * STATUS	SALES TYPE **	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
							VOLUMES INVOICED	SALES RATE	TOTAL SALE	
							Dth	\$/Dth	\$	
I	S	S0246752	11/1/17	11/1/17 TCO		WV	5,000	\$2.9050	\$14,525.00	\$125.00
I	S	S0246525	11/1/17	11/1/17 TCO		WV	3,500	\$2.5450	\$8,907.50	\$577.50
I	S	S0246720	11/1/17	11/1/17 TCO		WV	2,500	\$2.7700	\$6,925.00	\$18.75
							11,000		\$30,357.50	\$721.25

COLUMBIA GAS OF KENTUCKY  
 Off-System Sales - EXCHANGE Activity Report  
 Nov-17

Sales Amounts			Current Month Proration		
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DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	INVOICE MONTH	# OF	# OF	STATE OF SALE	Sales Amounts			Current Month Proration		
				FLOW DATE	FLOW DATE		MONTHS IN TERM	MONTHS EXPIRED		DELIVERY POINT	VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	TOTAL SALE
E	E	OPP	S0244792	6/1/17		12/1/17	7	6 TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$4,871.43	\$4,871.43
E	E	OPP	S0245971	9/1/17		12/1/17	4	3 TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$7,905.00	\$7,905.00
E	E	OPP	S0244793	6/1/17		1/1/18	8	6 TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$4,262.50	\$4,262.50
E	E	OPP	S0245972	9/1/17		1/1/18	5	3 TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$6,324.00	\$6,324.00
E	E	OPP	S0244794	6/1/17		2/1/18	9	6 TCO	WV	140,000	\$0.2200	\$30,800.00	\$0.00	\$3,422.22	\$3,422.22
E	E	OPP	S0245973	9/1/17		2/1/18	6	3 TCO	WV	142,800	\$0.2000	\$28,560.00	\$0.00	\$4,760.00	\$4,760.00
E	E	OPP	S0244795	6/1/17		3/1/18	10	6 TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$3,410.00	\$3,410.00
E	E	OPP	S0245974	9/1/17		3/1/18	7	3 TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$4,517.14	\$4,517.14
										1,222,100		\$256,520.00		\$39,472.29	\$39,472.29

DECEMBER 2017

**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: Dec-17**

		<b>Dec-17</b>	
<u>Ln.</u>	<u>PBR Component Description</u>		
1	CPS = (TPBR) x ASP	\$21,633.91	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$336,705.40</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$358,339.30</b>	
4	TCI (includes Marketed CapR)	\$667,678.55	
5	GCI	\$29,554.48	
6	OSSI		
	Sales	\$8,818.50	
	Exch	\$39,472.29	
7	TPBR = (TCI+GCI+OSSI)	\$745,523.82	
8	AGC (**Total Gas Cost)	\$3,605,651.26	
	Sys Supply Purch	\$1,532,377.00	
	Core	\$148,244.65	
	Misc Adjustment	\$0.00	
	Transportation	\$1,925,029.61	
9	2% of AGC	\$72,113.03	
10	PAC = (TPBR) / AGC	20.68%	

Acronyms:

CPS = Company Performance Share  
 TPBR = Total Performance Based Results  
 ASP = Applicable Sharing Percentage  
 PAC = Percent of Actual Gas Costs  
 AGC = Actual Gas Costs  
 TCI = Transportation Cost Incentive  
 OSSI = Off-System Sales Incentive  
 GCI = Gas Cost Incentive

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Dec-17**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0961	Demand Vol @ Max Rate	\$309,560.63
		TCO	80160	SST	190,880	\$6.1910	Demand Vol @ Max Rate	\$1,181,738.08
		TCO	81540	SST	30,000	\$6.1910	Demand Vol @ Max Rate	<u>\$185,730.00</u>
								\$1,677,028.71
CKY COST	(TATC)					<u>Disc Rate</u>		
		Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$94,001.56
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$125,550.00
LESS: Marketed Cap Release		<b>TCO</b>	<b>SST</b>		<b>0</b>	<b>\$0.0000</b>		<u>\$0.00</u>
								\$1,018,384.36
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$9,034.20
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$0.00
							<b>Total TCI</b>	<b>\$667,678.55</b>

**TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)

**TATC -** Total Actual Transportation Cost (from Transportation Closing Report)

**TCI -** Transportation Cost Incentive



**CKY GCI CALCULATION**

**Flow Period: Dec-17**

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price Natural Gas Week (NGW)			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main (Rayne)	TGP 500	TCO P10	CGT Main	TGP 500
12/1/17	\$2.9100	\$2.9600	\$3.0100	\$2.7850	\$2.8350	\$2.9100	\$2.7700	\$2.8000	\$2.8500	\$2.8217	\$2.8650	\$2.9233
12/2/17	\$2.9100	\$2.9600	\$3.0100	\$2.7400	\$2.7600	\$2.8200	\$2.7700	\$2.8000	\$2.8500	\$2.8067	\$2.8400	\$2.8933
12/3/17	\$2.9100	\$2.9600	\$3.0100	\$2.7400	\$2.7600	\$2.8200	\$2.7700	\$2.8000	\$2.8500	\$2.8067	\$2.8400	\$2.8933
12/4/17	\$2.9100	\$2.9600	\$3.0100	\$2.7400	\$2.7600	\$2.8200	\$2.7700	\$2.8000	\$2.8500	\$2.8067	\$2.8400	\$2.8933
12/5/17	\$2.9100	\$2.9600	\$3.0100	\$2.7450	\$2.8000	\$2.8500	\$2.7100	\$2.7300	\$2.8100	\$2.7883	\$2.8300	\$2.8900
12/6/17	\$2.9100	\$2.9600	\$3.0100	\$2.7100	\$2.7850	\$2.8250	\$2.7100	\$2.7300	\$2.8100	\$2.7767	\$2.8250	\$2.8817
12/7/17	\$2.9100	\$2.9600	\$3.0100	\$2.8200	\$2.8350	\$2.8750	\$2.7100	\$2.7300	\$2.8100	\$2.8133	\$2.8417	\$2.8983
12/8/17	\$2.9100	\$2.9600	\$3.0100	\$2.6700	\$2.7050	\$2.7600	\$2.7100	\$2.7300	\$2.8100	\$2.7633	\$2.7983	\$2.8600
12/9/17	\$2.9100	\$2.9600	\$3.0100	\$2.6300	\$2.6650	\$2.7200	\$2.7100	\$2.7300	\$2.8100	\$2.7500	\$2.7850	\$2.8467
12/10/17	\$2.9100	\$2.9600	\$3.0100	\$2.6300	\$2.6650	\$2.7200	\$2.7100	\$2.7300	\$2.8100	\$2.7500	\$2.7850	\$2.8467
12/11/17	\$2.9100	\$2.9600	\$3.0100	\$2.6300	\$2.6650	\$2.7200	\$2.7100	\$2.7300	\$2.8100	\$2.7500	\$2.7850	\$2.8467
12/12/17	\$2.9100	\$2.9600	\$3.0100	\$2.6800	\$2.7300	\$2.7650	\$2.5300	\$2.6000	\$2.6100	\$2.7067	\$2.7633	\$2.7950
12/13/17	\$2.9100	\$2.9600	\$3.0100	\$2.6800	\$2.7150	\$2.7500	\$2.5300	\$2.6000	\$2.6100	\$2.7067	\$2.7583	\$2.7900
12/14/17	\$2.9100	\$2.9600	\$3.0100	\$2.5500	\$2.5900	\$2.6300	\$2.5300	\$2.6000	\$2.6100	\$2.6633	\$2.7167	\$2.7500
12/15/17	\$2.9100	\$2.9600	\$3.0100	\$2.5450	\$2.5900	\$2.6350	\$2.5300	\$2.6000	\$2.6100	\$2.6617	\$2.7167	\$2.7517
12/16/17	\$2.9100	\$2.9600	\$3.0100	\$2.4600	\$2.5450	\$2.5950	\$2.5300	\$2.6000	\$2.6100	\$2.6333	\$2.7017	\$2.7383
12/17/17	\$2.9100	\$2.9600	\$3.0100	\$2.4600	\$2.5450	\$2.5950	\$2.5300	\$2.6000	\$2.6100	\$2.6333	\$2.7017	\$2.7383
12/18/17	\$2.9100	\$2.9600	\$3.0100	\$2.4600	\$2.5450	\$2.5950	\$2.5300	\$2.6000	\$2.6100	\$2.6333	\$2.7017	\$2.7383
12/19/17	\$2.9100	\$2.9600	\$3.0100	\$2.5950	\$2.6400	\$2.6900	\$2.4900	\$2.5500	\$2.6000	\$2.6650	\$2.7167	\$2.7667
12/20/17	\$2.9100	\$2.9600	\$3.0100	\$2.6300	\$2.6700	\$2.7100	\$2.4900	\$2.5500	\$2.6000	\$2.6767	\$2.7267	\$2.7733
12/21/17	\$2.9100	\$2.9600	\$3.0100	\$2.5400	\$2.5650	\$2.5950	\$2.4900	\$2.5500	\$2.6000	\$2.6467	\$2.6917	\$2.7350
12/22/17	\$2.9100	\$2.9600	\$3.0100	\$2.4550	\$2.4950	\$2.5300	\$2.4900	\$2.5500	\$2.6000	\$2.6183	\$2.6683	\$2.7133
12/23/17	\$2.9100	\$2.9600	\$3.0100	\$2.4500	\$2.5200	\$2.5750	\$2.4900	\$2.5500	\$2.6000	\$2.6167	\$2.6767	\$2.7283
12/24/17	\$2.9100	\$2.9600	\$3.0100	\$2.4500	\$2.5200	\$2.5750	\$2.4900	\$2.5500	\$2.6000	\$2.6167	\$2.6767	\$2.7283
12/25/17	\$2.9100	\$2.9600	\$3.0100	\$2.4500	\$2.5200	\$2.5750	\$2.4900	\$2.5500	\$2.6000	\$2.6167	\$2.6767	\$2.7283
12/26/17	\$2.9100	\$2.9600	\$3.0100	\$2.4500	\$2.5200	\$2.5750	\$2.7900	\$2.9000	\$2.9600	\$2.7167	\$2.7933	\$2.8483
12/27/17	\$2.9100	\$2.9600	\$3.0100	\$2.4650	\$2.6200	\$2.6650	\$2.7900	\$2.9000	\$2.9600	\$2.7217	\$2.8267	\$2.8783
12/28/17	\$2.9100	\$2.9600	\$3.0100	\$2.6400	\$2.6850	\$2.7200	\$2.7900	\$2.9000	\$2.9600	\$2.7800	\$2.8483	\$2.8967
12/29/17	\$2.9100	\$2.9600	\$3.0100	\$2.9000	\$2.9000	\$2.9400	\$2.7900	\$2.9000	\$2.9600	\$2.8667	\$2.9200	\$2.9700
12/30/17	\$2.9100	\$2.9600	\$3.0100	\$2.9000	\$2.9000	\$2.9400	\$2.7900	\$2.9000	\$2.9600	\$2.8667	\$2.9200	\$2.9700
12/31/17	\$2.9100	\$2.9600	\$3.0100	\$2.9000	\$2.9000	\$2.9400	\$2.7900	\$2.9000	\$2.9600	\$2.8667	\$2.9200	\$2.9700
<b>Avg Rate</b>	\$2.9100	\$2.9600	\$3.0100	\$2.6290	\$2.6758	\$2.7237	\$2.6429	\$2.7019	\$2.7516	\$2.7273	\$2.7792	\$2.8284

MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ACTUAL						
Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)	
TCO	P10	572,700	\$1,532,377.00	\$1,561,931.48	\$29,554.48	
CGT	M/L	0	\$0.00	\$0.00	\$0.00	
TENN	500	0	\$0.00	\$0.00	\$0.00	
					\$29,554.48	

**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - EXCHANGE Activity Report**  
 Dec-17

DATA * STATUS	SALES TYPE **	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
							VOLUMES INVOICED	SALES RATE	TOTAL SALE	
							Dth	\$/Dth	\$	
I	S	S0246855	12/1/17	12/1/17	TCO	WV	3,600	\$2.6275	\$9,459.00	\$27.00
I	S	S0246856	12/1/17	12/1/17	TCO	WV	1,400	\$2.6275	\$3,678.50	\$10.50
I	S	S0246857	12/1/17	12/1/17	TCO	WV	2,500	\$2.6350	\$6,587.50	\$12.00
I	S	S0246898	12/1/17	12/1/17	TCO	WV	5,700	\$2.8900	\$16,473.00	\$940.50
I	S	S0246899	12/1/17	12/1/17	TCO	WV	15,000	\$2.9050	\$43,575.00	\$2,700.00
I	S	S0246900	12/1/17	12/1/17	TCO	WV	15,000	\$2.9350	\$44,025.00	\$3,178.50
I	S	S0246903	12/1/17	12/1/17	TCO	WV	7,500	\$2.9800	\$22,350.00	\$1,950.00
7							50,700		\$146,148.00	\$8,818.50

**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - EXCHANGE Activity Report**  
**Dec-17**

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS EXPIRED	DELIVERY POINT	STATE OF SALE	Sales Amounts			Current Month Proration		
											VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	TOTAL SALE	MARGIN
E	E	OPP	S0244792	6/1/17	12/1/17	12/1/17	7	7	TCO	WV	155000	\$0.2200	\$34,100.00	\$0.00	\$4,871.43	\$4,871.43
E	E	OPP	S0245971	9/1/17	12/1/17	12/1/17	4	4	TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$7,905.00	\$7,905.00
E	E	OPP	S0244793	6/1/17		1/1/18	8	7	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$4,262.50	\$4,262.50
E	E	OPP	S0245972	9/1/17		1/1/18	5	4	TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$6,324.00	\$6,324.00
E	E	OPP	S0244794	6/1/17		2/1/18	9	7	TCO	WV	140,000	\$0.2200	\$30,800.00	\$0.00	\$3,422.22	\$3,422.22
E	E	OPP	S0245973	9/1/17		2/1/18	6	4	TCO	WV	142,800	\$0.2000	\$28,560.00	\$0.00	\$4,760.00	\$4,760.00
E	E	OPP	S0244795	6/1/17		3/1/18	10	7	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$3,410.00	\$3,410.00
E	E	OPP	S0245974	9/1/17		3/1/18	7	4	TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$4,517.14	\$4,517.14
											1,222,100		\$256,520.00		\$39,472.29	\$39,472.29

JANUARY 2018

**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: Jan-18**

		Jan-18	
<u>Ln.</u>	<u>PBR Component Description</u>		
1	CPS = (TPBR) x ASP	\$20,298.38	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$444,927.07</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$465,225.45</b>	
4	TCI (includes Marketed CapR)	\$672,638.55	
5	GCI	\$141,456.78	
6	OSSI		
	Sales	\$11,199.22	
	Exch	\$132,220.86	
7	TPBR = (TCI+GCI+OSSI)	\$957,515.41	
8	AGC (**Total Gas Cost)	\$3,383,063.36	
	Sys Supply Purch	\$1,267,590.35	
	Core	\$180,004.44	
	Misc Adjustment	\$0.00	
	Transportation	\$1,935,468.57	
9	2% of AGC	\$67,661.27	
10	PAC = (TPBR) / AGC	28.30%	

Acronyms:

CPS = Company Performance Share  
 TPBR = Total Performance Based Results  
 ASP = Applicable Sharing Percentage  
 PAC = Percent of Actual Gas Costs  
 AGC = Actual Gas Costs  
 TCI = Transportation Cost Incentive  
 OSSI = Off-System Sales Incentive  
 GCI = Gas Cost Incentive

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Jan-18**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0961	Demand Vol @ Max Rate	\$309,560.63
		TCO	80160	SST	190,880	\$6.1910	Demand Vol @ Max Rate	\$1,181,738.08
		TCO	81540	SST	30,000	\$6.1910	Demand Vol @ Max Rate	<u>\$185,730.00</u>
								\$1,677,028.71
						<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$94,001.56
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$125,550.00
LESS: Marketed Cap Release		<b>TCO</b>	<b>SST</b>		<b>0</b>	<b>\$0.0000</b>		<u>\$0.00</u>
								\$1,018,384.36
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$9,034.20
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$3,720.00
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$1,240.00
							<b>Total TCI</b>	<b>\$672,638.55</b>

- TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)
- TATC -** Total Actual Transportation Cost (from Transportation Closing Report)
- TCI -** Transportation Cost Incentive

**CKY GCI CALCULATION**

Flow Period: Jan-18

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price Natural Gas Week (NGW)			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main (Rayne)	TGP 500	TCO P10	CGT Main	TGP 500
1/1/18	\$2.5200	\$2.6100	\$2.6700	\$3.4600	\$3.4600	\$3.3850	\$2.7900	\$2.9000	\$2.9600	\$2.9233	\$2.9900	\$3.0050
1/2/18	\$2.5200	\$2.6100	\$2.6700	\$3.4600	\$3.4600	\$3.3850	\$4.0600	\$4.3500	\$4.0700	\$3.3467	\$3.4733	\$3.3750
1/3/18	\$2.5200	\$2.6100	\$2.6700	\$6.5200	\$6.3900	\$6.5850	\$4.0600	\$4.3500	\$4.0700	\$4.3667	\$4.4500	\$4.4417
1/4/18	\$2.5200	\$2.6100	\$2.6700	\$7.0150	\$6.7150	\$6.8350	\$4.0600	\$4.3500	\$4.0700	\$4.5317	\$4.5583	\$4.5250
1/5/18	\$2.5200	\$2.6100	\$2.6700	\$4.2900	\$4.3900	\$4.3200	\$4.0600	\$4.3500	\$4.0700	\$3.6233	\$3.7833	\$3.6867
1/6/18	\$2.5200	\$2.6100	\$2.6700	\$2.8400	\$2.8350	\$2.8700	\$4.0600	\$4.3500	\$4.0700	\$3.1400	\$3.2650	\$3.2033
1/7/18	\$2.5200	\$2.6100	\$2.6700	\$2.8400	\$2.8350	\$2.8700	\$4.0600	\$4.3500	\$4.0700	\$3.1400	\$3.2650	\$3.2033
1/8/18	\$2.5200	\$2.6100	\$2.6700	\$2.8400	\$2.8350	\$2.8700	\$4.0600	\$4.3500	\$4.0700	\$3.1400	\$3.2650	\$3.2033
1/9/18	\$2.5200	\$2.6100	\$2.6700	\$2.7050	\$2.7550	\$2.8400	\$3.3800	\$3.3900	\$3.4100	\$2.8683	\$2.9183	\$2.9733
1/10/18	\$2.5200	\$2.6100	\$2.6700	\$2.7450	\$2.7900	\$2.8600	\$3.3800	\$3.3900	\$3.4100	\$2.8817	\$2.9300	\$2.9800
1/11/18	\$2.5200	\$2.6100	\$2.6700	\$2.9250	\$2.9850	\$3.0250	\$3.3800	\$3.3900	\$3.4100	\$2.9417	\$2.9950	\$3.0350
1/12/18	\$2.5200	\$2.6100	\$2.6700	\$3.0500	\$3.1300	\$3.1500	\$3.3800	\$3.3900	\$3.4100	\$2.9833	\$3.0433	\$3.0767
1/13/18	\$2.5200	\$2.6100	\$2.6700	\$3.6850	\$3.7850	\$3.7450	\$3.3800	\$3.3900	\$3.4100	\$3.1950	\$3.2617	\$3.2750
1/14/18	\$2.5200	\$2.6100	\$2.6700	\$3.6850	\$3.7850	\$3.7450	\$3.3800	\$3.3900	\$3.4100	\$3.1950	\$3.2617	\$3.2750
1/15/18	\$2.5200	\$2.6100	\$2.6700	\$3.6850	\$3.7850	\$3.7450	\$3.3800	\$3.3900	\$3.4100	\$3.1950	\$3.2617	\$3.2750
1/16/18	\$2.5200	\$2.6100	\$2.6700	\$3.6850	\$3.7850	\$3.7450	\$3.2200	\$3.3800	\$3.5700	\$3.1417	\$3.2583	\$3.3283
1/17/18	\$2.5200	\$2.6100	\$2.6700	\$4.5650	\$4.5250	\$4.6700	\$3.2200	\$3.3800	\$3.5700	\$3.4350	\$3.5050	\$3.6367
1/18/18	\$2.5200	\$2.6100	\$2.6700	\$3.5650	\$3.4900	\$3.5350	\$3.2200	\$3.3800	\$3.5700	\$3.1017	\$3.1600	\$3.2583
1/19/18	\$2.5200	\$2.6100	\$2.6700	\$3.0850	\$3.1750	\$3.2900	\$3.2200	\$3.3800	\$3.5700	\$2.9417	\$3.0550	\$3.1767
1/20/18	\$2.5200	\$2.6100	\$2.6700	\$2.9650	\$3.0650	\$3.1550	\$3.2200	\$3.3800	\$3.5700	\$2.9017	\$3.0183	\$3.1317
1/21/18	\$2.5200	\$2.6100	\$2.6700	\$2.9650	\$3.0650	\$3.1550	\$3.2200	\$3.3800	\$3.5700	\$2.9017	\$3.0183	\$3.1317
1/22/18	\$2.5200	\$2.6100	\$2.6700	\$2.9650	\$3.0650	\$3.1550	\$3.2200	\$3.3800	\$3.5700	\$2.9017	\$3.0183	\$3.1317
1/23/18	\$2.5200	\$2.6100	\$2.6700	\$2.9150	\$2.9950	\$3.0900	\$3.1200	\$3.2900	\$3.4500	\$2.8517	\$2.9650	\$3.0700
1/24/18	\$2.5200	\$2.6100	\$2.6700	\$3.1550	\$3.2600	\$3.4050	\$3.1200	\$3.2900	\$3.4500	\$2.9317	\$3.0533	\$3.1750
1/25/18	\$2.5200	\$2.6100	\$2.6700	\$3.2850	\$3.4200	\$3.5850	\$3.1200	\$3.2900	\$3.4500	\$2.9750	\$3.1067	\$3.2350
1/26/18	\$2.5200	\$2.6100	\$2.6700	\$3.2400	\$3.3450	\$3.4600	\$3.1200	\$3.2900	\$3.4500	\$2.9600	\$3.0817	\$3.1933
1/27/18	\$2.5200	\$2.6100	\$2.6700	\$3.0900	\$3.3150	\$3.4800	\$3.1200	\$3.2900	\$3.4500	\$2.9100	\$3.0717	\$3.2000
1/28/18	\$2.5200	\$2.6100	\$2.6700	\$3.0900	\$3.3150	\$3.4800	\$3.1200	\$3.2900	\$3.4500	\$2.9100	\$3.0717	\$3.2000
1/29/18	\$2.5200	\$2.6100	\$2.6700	\$3.0900	\$3.3150	\$3.4800	\$3.1200	\$3.2900	\$3.4500	\$2.9100	\$3.0717	\$3.2000
1/30/18	\$2.5200	\$2.6100	\$2.6700	\$3.2900	\$3.3950	\$3.5850	\$2.9000	\$2.9100	\$3.1300	\$2.9033	\$2.9717	\$3.1283
1/31/18	\$2.5200	\$2.6100	\$2.6700	\$3.2100	\$3.3200	\$3.5800	\$2.9000	\$2.9100	\$3.1300	\$2.8767	\$2.9467	\$3.1267
<b>Avg Rate</b>	\$2.5200	\$2.6100	\$2.6700	\$3.4808	\$3.5415	\$3.6155	\$3.3887	\$3.5352	\$3.5716	\$3.1298	\$3.2289	\$3.2857

MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ACTUAL						
Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)	
TCO	P10	450,198	\$1,267,590.35	\$1,409,047.13	\$141,456.78	
CGT	M/L	0	\$0.00	\$0.00	\$0.00	
TENN	500	0	\$0.00	\$0.00	\$0.00	
					\$141,456.78	

**COLUMBIA GAS OF KENTUCKY**

**Off-System Sales - SALES Activity Booking Report**

Jan-18

INVOICED SALES AMOUNTS		
Sales Amounts		

<b>MARGIN</b>
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<u>DATA *</u> <u>STATUS</u>	<u>SALES</u> <u>TYPE **</u>	<u>SALES ID</u>	<u>RECEIPT</u> <u>FLOW</u> <u>DATE</u>	<u>DELIVERY</u> <u>FLOW</u> <u>DATE</u>	<u>DELIVERY</u> <u>POINT</u>	<u>STATE</u> <u>OF</u> <u>SALE</u>	<u>VOLUMES</u> <u>INVOICED</u>	<u>SALES</u> <u>RATE</u>	<u>TOTAL</u> <u>SALE</u>	
							Dth	\$/Dth	\$	
I	S	S0247078	1/1/18	1/1/18	TCO	WV	2,900	\$3.1000	\$8,990.00	\$60.99
I	S	S0247082	1/1/18	1/1/18	TCO	WV	5,000	\$3.2950	\$16,475.00	\$1,060.00
I	S	S0247185	1/1/18	1/1/18	TCO	WV	13,200	\$3.1900	\$42,108.00	\$132.00
I	S	S0247186	1/1/18	1/1/18	TCO	WV	10,800	\$3.2000	\$34,560.00	\$115.99
I	S	S0247195	1/1/18	1/1/18	TCO	WV	5,000	\$3.2525	\$16,262.50	\$412.50
I	S	S0247196	1/1/18	1/1/18	TCO	WV	3,100	\$3.2575	\$10,098.25	\$261.24
I	S	S0247016	1/1/18	1/1/18	TCO	WV	7,700	\$2.9325	\$22,580.25	\$96.25
I	S	S0247017	1/1/18	1/1/18	TCO	WV	2,000	\$2.9325	\$5,865.00	\$25.00
I	S	S0247018	1/1/18	1/1/18	TCO	WV	2,800	\$2.9325	\$8,211.00	\$35.00
I	S	S0247019	1/1/18	1/1/18	TCO	WV	5,500	\$2.9350	\$16,142.50	\$82.50
I	S	S0247020	1/1/18	1/1/18	TCO	WV	300	\$2.9325	\$879.75	\$3.75
I	S	S0247039	1/1/18	1/1/18	TCO	WV	9,200	\$3.7100	\$34,132.00	\$5,000.02
I	S	S0247051	1/1/18	1/1/18	TCO	WV	8,000	\$4.5000	\$36,000.00	\$1,600.00
I	S	S0247056	1/1/18	1/1/18	TCO	WV	8,500	\$3.5000	\$29,750.00	\$759.99
I	S	S0247057	1/1/18	1/1/18	TCO	WV	3,000	\$3.6100	\$10,830.00	\$240.00
I	S	S0247058	1/1/18	1/1/18	TCO	WV	10,000	\$3.6500	\$36,500.00	\$1,200.00
I	S	S0247076	1/1/18	1/1/18	TCO	WV	7,600	\$3.0950	\$23,522.00	\$114.00
		17					104,600		\$352,906.25	\$11,199.23



COLUMBIA GAS OF KENTUCKY  
Off-System Sales - EXCHANGE Activity Report  
Jan-18

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS EXPIRED	DELIVERY POINT	STATE OF SALE	Sales Amounts			Current Month Proration		
											VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	TOTAL SALE	MARGIN
E	E	OPP	S0244793	6/1/17	1/1/18	1/1/18	8	8	TCO	WV	155000	\$0.2200	\$34,100.00	\$0.00	\$4,262.50	\$4,262.50
E	E	OPP	S0245972	9/1/17	1/1/18	1/1/18	5	5	TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$6,324.00	\$6,324.00
E	E	OPP	S0246923	1/1/18	1/1/18	1/1/18	1	1	TCO	WV	27,000	\$3.7000	\$99,900.00	\$0.00	\$99,900.00	\$99,900.00
E	E	OPP	S0244794	6/1/17		2/1/18	9	8	TCO	WV	140,000	\$0.2200	\$30,800.00	\$0.00	\$3,422.22	\$3,422.22
E	E	OPP	S0245973	9/1/17		2/1/18	6	5	TCO	WV	142,800	\$0.2000	\$28,560.00	\$0.00	\$4,760.00	\$4,760.00
E	E	OPP	S0244795	6/1/17		3/1/18	10	8	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$3,410.00	\$3,410.00
E	E	OPP	S0245974	9/1/17		3/1/18	7	5	TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$4,517.14	\$4,517.14
E	E	OPP	S0247015		1/1/18	4/1/18	4	1	TCO	WV	30,000	\$0.3500	\$10,500.00	\$0.00	\$2,625.00	\$2,625.00
E	E	OPP	S0247027		1/1/18	4/1/18	4	1	TCO	WV	30,000	\$0.4000	\$12,000.00	\$0.00	\$3,000.00	\$3,000.00
											996,000		\$313,200.00		\$132,220.86	\$132,220.86

FEBRUARY 2018

**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**

**Flow Period: Feb-18**

<u>Ln.</u>	<u>PBR Component Description</u>	<b>Feb-18</b>	
		<b>ESTIMATE</b>	
1	CPS = (TPBR) x ASP	\$23,107.94	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$296,330.91</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$319,438.85</b>	
4	TCI (includes Marketed CapR)	\$676,197.26	
5	GCI	(\$28,443.34)	
6	OSSI	\$200.00	
	Sales	\$200.00	
	Exch	\$21,734.36	(1)
7	TPBR = (TCI+GCI+OSSI)	\$669,688.28	
8	AGC (**Total Gas Cost)	\$3,851,323.25	
	Sys Supply Purch	\$1,758,418.34	
	Core	\$187,779.20	
	Misc Adjustment	\$0.00	
	Transportation	\$1,905,125.71	
9	2% of AGC	\$77,026.47	
10	PAC = (TPBR) / AGC	17.39%	

**Acronyms:**

CPS = Company Performance Share

TPBR = Total Performance Based Results

ASP = Applicable Sharing Percentage

PAC = Percent of Actual Gas Costs

AGC = Actual Gas Costs

TCI = Transportation Cost Incentive

OSSI = Off-System Sales Incentive

GCI = Gas Cost Incentive

\*\*Total Gas Cost = System Supply Purchase + Transportation Costs

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Feb-18**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Estimate</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0961	Demand Vol @ Max Rate	\$309,560.63
		TCO	80160	SST	190,880	\$6.1910	Demand Vol @ Max Rate	\$1,181,738.08
		TCO	81540	SST	30,000	\$6.1910	Demand Vol @ Max Rate	<u>\$185,730.00</u>
								\$1,677,028.71
						<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$93,989.25
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$125,550.00
LESS: Marketed Cap Release		<b>TCO</b>	<b>SST</b>		<b>0</b>	<b>\$0.0000</b>		<u>\$0.00</u>
								\$1,018,372.05
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$9,034.20
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$8,506.40
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$0.00
							<b>Total TCI</b>	<b>\$676,197.26</b>

- TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)
- TATC -** Total Actual Transportation Cost (from Transportation Closing Report)
- TCI -** Transportation Cost Incentive

**CKY GCI CALCULATION**

**Flow Period: Feb-18**

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price Natural Gas Week (NGW)			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main (Rayne)	TGP 500	TCO P10	CGT Main	TGP 500
2/1/18	\$3.3400	\$3.4900	\$3.5900	\$3.0550	\$3.1000	\$3.2100	\$2.9000	\$2.9100	\$3.1300	\$3.0983	\$3.1667	\$3.3100
2/2/18	\$3.3400	\$3.4900	\$3.5900	\$2.8950	\$2.9150	\$2.9650	\$2.9000	\$2.9100	\$3.1300	\$3.0450	\$3.1050	\$3.2283
2/3/18	\$3.3400	\$3.4900	\$3.5900	\$2.6850	\$2.7300	\$2.8800	\$2.9000	\$2.9100	\$3.1300	\$2.9750	\$3.0433	\$3.2000
2/4/18	\$3.3400	\$3.4900	\$3.5900	\$2.6850	\$2.7300	\$2.8800	\$2.9000	\$2.9100	\$3.1300	\$2.9750	\$3.0433	\$3.2000
2/5/18	\$3.3400	\$3.4900	\$3.5900	\$2.6850	\$2.7300	\$2.8800	\$2.9000	\$2.9100	\$3.1300	\$2.9750	\$3.0433	\$3.2000
2/6/18	\$3.3400	\$3.4900	\$3.5900	\$2.6100	\$2.6750	\$2.7400	\$2.4700	\$2.5400	\$2.6200	\$2.8067	\$2.9017	\$2.9833
2/7/18	\$3.3400	\$3.4900	\$3.5900	\$2.5800	\$2.6450	\$2.7300	\$2.4700	\$2.5400	\$2.6200	\$2.7967	\$2.8917	\$2.9800
2/8/18	\$3.3400	\$3.4900	\$3.5900	\$2.5500	\$2.6000	\$2.7250	\$2.4700	\$2.5400	\$2.6200	\$2.7867	\$2.8767	\$2.9783
2/9/18	\$3.3400	\$3.4900	\$3.5900	\$2.5500	\$2.6300	\$2.6900	\$2.4700	\$2.5400	\$2.6200	\$2.7867	\$2.8867	\$2.9667
2/10/18	\$3.3400	\$3.4900	\$3.5900	\$2.4200	\$2.5000	\$2.5650	\$2.4700	\$2.5400	\$2.6200	\$2.7433	\$2.8433	\$2.9250
2/11/18	\$3.3400	\$3.4900	\$3.5900	\$2.4200	\$2.5000	\$2.5650	\$2.4700	\$2.5400	\$2.6200	\$2.7433	\$2.8433	\$2.9250
2/12/18	\$3.3400	\$3.4900	\$3.5900	\$2.4200	\$2.5000	\$2.5650	\$2.4700	\$2.5400	\$2.6200	\$2.7433	\$2.8433	\$2.9250
2/13/18	\$3.3400	\$3.4900	\$3.5900	\$2.3850	\$2.4700	\$2.5450	\$2.3100	\$2.3900	\$2.4900	\$2.6783	\$2.7833	\$2.8750
2/14/18	\$3.3400	\$3.4900	\$3.5900	\$2.3800	\$2.4650	\$2.5450	\$2.3100	\$2.3900	\$2.4900	\$2.6767	\$2.7817	\$2.8750
2/15/18	\$3.3400	\$3.4900	\$3.5900	\$2.2800	\$2.3600	\$2.4750	\$2.3100	\$2.3900	\$2.4900	\$2.6433	\$2.7467	\$2.8517
2/16/18	\$3.3400	\$3.4900	\$3.5900	\$2.3150	\$2.4000	\$2.4850	\$2.3100	\$2.3900	\$2.4900	\$2.6550	\$2.7600	\$2.8550
2/17/18	\$3.3400	\$3.4900	\$3.5900	\$2.2850	\$2.3850	\$2.4750	\$2.3100	\$2.3900	\$2.4900	\$2.6450	\$2.7550	\$2.8517
2/18/18	\$3.3400	\$3.4900	\$3.5900	\$2.2850	\$2.3850	\$2.4750	\$2.3100	\$2.3900	\$2.4900	\$2.6450	\$2.7550	\$2.8517
2/19/18	\$3.3400	\$3.4900	\$3.5900	\$2.2850	\$2.3850	\$2.4750	\$2.3100	\$2.3900	\$2.4900	\$2.6450	\$2.7550	\$2.8517
2/20/18	\$3.3400	\$3.4900	\$3.5900	\$2.2850	\$2.3850	\$2.4750	\$2.3200	\$2.4200	\$2.5000	\$2.6483	\$2.7650	\$2.8550
2/21/18	\$3.3400	\$3.4900	\$3.5900	\$2.3550	\$2.4800	\$2.5450	\$2.3200	\$2.4200	\$2.5000	\$2.6717	\$2.7967	\$2.8783
2/22/18	\$3.3400	\$3.4900	\$3.5900	\$2.3700	\$2.4950	\$2.5700	\$2.3200	\$2.4200	\$2.5000	\$2.6767	\$2.8017	\$2.8867
2/23/18	\$3.3400	\$3.4900	\$3.5900	\$2.3550	\$2.4650	\$2.5350	\$2.3200	\$2.4200	\$2.5000	\$2.6717	\$2.7917	\$2.8750
2/24/18	\$3.3400	\$3.4900	\$3.5900	\$2.3000	\$2.4100	\$2.5000	\$2.3200	\$2.4200	\$2.5000	\$2.6533	\$2.7733	\$2.8633
2/25/18	\$3.3400	\$3.4900	\$3.5900	\$2.3000	\$2.4100	\$2.5000	\$2.3200	\$2.4200	\$2.5000	\$2.6533	\$2.7733	\$2.8633
2/26/18	\$3.3400	\$3.4900	\$3.5900	\$2.3000	\$2.4100	\$2.5000	\$2.3200	\$2.4200	\$2.5000	\$2.6533	\$2.7733	\$2.8633
2/27/18	\$3.3400	\$3.4900	\$3.5900	\$2.3150	\$2.4400	\$2.5350	\$2.3500	\$2.4600	\$2.6000	\$2.6683	\$2.7967	\$2.9083
2/28/18	\$3.3400	\$3.4900	\$3.5900	\$2.3350	\$2.4150	\$2.5400	\$2.3500	\$2.4600	\$2.6000	\$2.6750	\$2.7883	\$2.9100
<b>Avg Rate</b>	\$3.3400	\$3.4900	\$3.5900	\$2.4530	\$2.5363	\$2.6275	\$2.4607	\$2.5329	\$2.6471	\$2.7513	\$2.8530	\$2.9549

MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ESTIMATE						
Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)	
TCO	P10	628,796	\$1,758,418.34	\$1,729,975.00	(\$28,443.34)	
CGT	M/L	0	\$0.00	\$0.00	\$0.00	
TENN	500	0	\$0.00	\$0.00	\$0.00	
					(\$28,443.34)	

**COLUMBIA GAS OF KENTUCKY**  
**Off-System Sales - SALES Activity Booking Report**  
**Feb-18**

DATA * STATUS	SALES TYPE **	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
							VOLUMES INVOICED	SALES RATE	TOTAL SALE	
							Dth	\$/Dth	\$	
I	S	S0247398	2/1/18	2/1/18	TCO	WV	40,000	\$2.2850	\$91,400.00	\$200.00
							40,000		\$91,400.00	\$200.00

COLUMBIA GAS OF KENTUCKY  
Off-System Sales - EXCHANGE Activity Report  
Feb-18

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS EXPIRED	(EXCH RECPT) PURCHASE POINT	STATE OF SALE	Sales Amounts			Current Month Proration		
											VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	TOTAL SALE	MARGIN
E	E	OPP	S0244794	6/1/17	2/1/18	2/1/18	9	9	TCO	WV	140000	\$0.2200	\$30,800.00	\$0.00	\$3,422.22	\$3,422.22
E	E	OPP	S0245973	9/1/17	2/1/18	2/1/18	6	6	TCO	WV	142,800	\$0.2000	\$28,560.00	\$0.00	\$4,760.00	\$4,760.00
E	E	OPP	S0244795	6/1/17		3/1/18	10	9	TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$3,410.00	\$3,410.00
E	E	OPP	S0245974	9/1/17		3/1/18	7	6	TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$4,517.14	\$4,517.14
E	E	OPP	S0247015		1/1/18	4/1/18	4	2	TCO	WV	30,000	\$0.3500	\$10,500.00	\$0.00	\$2,625.00	\$2,625.00
E	E	OPP	S0247027		1/1/18	4/1/18	4	2	TCO	WV	30,000	\$0.4000	\$12,000.00	\$0.00	\$3,000.00	\$3,000.00
											655,900		\$147,580.00		\$21,734.36	\$21,734.36

**MARCH 2018**



**Columbia Gas of Kentucky, Inc.**  
**Monthly Performance Based Rate Calculation**  
**Flow Period: Mar-18**

<u>Ln.</u>	<u>PBR Component Description</u>	<u>Mar-18</u> <u>ESTIMATE</u>	
1	CPS = (TPBR) x ASP	\$17,171.73	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$326,055.67</u>	50% of remainder
3	<b>Total Company Performance Share</b>	<b>\$343,227.40</b>	
4	TCI (includes Marketed CapR)	\$645,439.98	
5	GCI	\$24,137.09	
6	OSSI		
	Sales	\$23,508.47	
	Exch	\$16,264.89	(1)
7	TPBR = (TCI+GCI+OSSI)	\$709,350.43	
8	AGC (**Total Gas Cost)	\$2,861,954.83	
	Sys Supply Purch	\$823,877.56	
	Core	\$124,482.36	(est)
	Misc Adjustment	\$0.00	
	Transportation	\$1,913,594.91	
9	2% of AGC	\$57,239.10	
10	PAC = (TPBR) / AGC	24.79%	

Acronyms:

CPS = Company Performance Share

TPBR = Total Performance Based Results

ASP = Applicable Sharing Percentage

PAC = Percent of Actual Gas Costs

AGC = Actual Gas Costs

TCI = Transportation Cost Incentive

OSSI = Off-System Sales Incentive

GCI = Gas Cost Incentive

\*\*Total Gas Cost = System Supply Purchase + Transportation Costs

(1) Includes exchange revenue on exchanges that begin on or after 4/1/2015.

**CKY TCI CALCULATION (Discounted/Negotiated Contracts & Marketed Capacity Release Revenue)**

**Flow Month: Mar-18**

		<u>Pipeline</u>	<u>Contract Number</u>	<u>Rate Sched</u>	<u>P/L MDQ</u>	<u>Max Rate</u>	<u>Calculation</u>	<u>Estimate</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0961	Demand Vol @ Max Rate	\$309,560.63
		TCO	80160	SST	190,880	\$6.0650	Demand Vol @ Max Rate	\$1,157,687.20
		TCO	81540	SST	30,000	\$6.0650	Demand Vol @ Max Rate	<u>\$181,950.00</u>
								\$1,649,197.83
						<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5835	Demand Vol @ Disc Rate	\$93,989.25
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$125,550.00
LESS: Marketed Cap Release		<b>TCO</b>	<b>SST</b>		<b>0</b>	<b>\$0.0000</b>		<u>\$0.00</u>
								\$1,018,372.05
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$9,034.20
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$5,580.00
<b>Marketed Cap Release</b>		<b>CGT</b>	<b>FTS-1</b>		<b>0</b>	<b>\$0.0000</b>		\$0.00
							<b>Total TCI</b>	<b>\$645,439.98</b>

- TBTC -** Total Benchmark Transportation Cost (Disc Contr MDQ Quantity x Max Tariff Rate)
- TATC -** Total Actual Transportation Cost (from Transportation Closing Report)
- TCI -** Transportation Cost Incentive

**CKY GCI CALCULATION**

**Flow Period: Mar-18**

Flow Date	Inside FERC			Gas Daily			Weekly Spot Price Natural Gas Week (NGW)			Weighted Avg Calculated Benchmark Rate by P/L		
	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500	TCO P10	CGT Main	TGP 500
							(Rayne)					
3/1/18	\$2.3700	\$2.4900	\$2.5700	\$2.3450	\$2.4500	\$2.5950	\$2.3500	\$2.4600	\$2.6000	\$2.3550	\$2.4667	\$2.5883
3/2/18	\$2.3700	\$2.4900	\$2.5700	\$2.3600	\$2.4750	\$2.5950	\$2.3500	\$2.4600	\$2.6000	\$2.3600	\$2.4750	\$2.5883
3/3/18	\$2.3700	\$2.4900	\$2.5700	\$2.3650	\$2.4800	\$2.6050	\$2.3500	\$2.4600	\$2.6000	\$2.3617	\$2.4767	\$2.5917
3/4/18	\$2.3700	\$2.4900	\$2.5700	\$2.3650	\$2.4800	\$2.6050	\$2.3500	\$2.4600	\$2.6000	\$2.3617	\$2.4767	\$2.5917
3/5/18	\$2.3700	\$2.4900	\$2.5700	\$2.3650	\$2.4800	\$2.6050	\$2.3500	\$2.4600	\$2.6000	\$2.3617	\$2.4767	\$2.5917
3/6/18	\$2.3700	\$2.4900	\$2.5700	\$2.3950	\$2.5250	\$2.6300	\$2.4800	\$2.5800	\$2.6600	\$2.4150	\$2.5317	\$2.6200
3/7/18	\$2.3700	\$2.4900	\$2.5700	\$2.4500	\$2.5900	\$2.6750	\$2.4800	\$2.5800	\$2.6600	\$2.4333	\$2.5533	\$2.6350
3/8/18	\$2.3700	\$2.4900	\$2.5700	\$2.5050	\$2.6350	\$2.7000	\$2.4800	\$2.5800	\$2.6600	\$2.4517	\$2.5683	\$2.6433
3/9/18	\$2.3700	\$2.4900	\$2.5700	\$2.5050	\$2.5800	\$2.6650	\$2.4800	\$2.5800	\$2.6600	\$2.4517	\$2.5500	\$2.6317
3/10/18	\$2.3700	\$2.4900	\$2.5700	\$2.4950	\$2.5850	\$2.6500	\$2.4800	\$2.5800	\$2.6600	\$2.4483	\$2.5517	\$2.6267
3/11/18	\$2.3700	\$2.4900	\$2.5700	\$2.4950	\$2.5850	\$2.6500	\$2.4800	\$2.5800	\$2.6600	\$2.4483	\$2.5517	\$2.6267
3/12/18	\$2.3700	\$2.4900	\$2.5700	\$2.4950	\$2.5850	\$2.6500	\$2.4800	\$2.5800	\$2.6600	\$2.4483	\$2.5517	\$2.6267
3/13/18	\$2.3700	\$2.4900	\$2.5700	\$2.6100	\$2.6650	\$2.7400	\$2.5100	\$2.5600	\$2.6300	\$2.4967	\$2.5717	\$2.6467
3/14/18	\$2.3700	\$2.4900	\$2.5700	\$2.6150	\$2.6750	\$2.7450	\$2.5100	\$2.5600	\$2.6300	\$2.4983	\$2.5750	\$2.6483
3/15/18	\$2.3700	\$2.4900	\$2.5700	\$2.5100	\$2.5600	\$2.6400	\$2.5100	\$2.5600	\$2.6300	\$2.4633	\$2.5367	\$2.6133
3/16/18	\$2.3700	\$2.4900	\$2.5700	\$2.5150	\$2.5600	\$2.6200	\$2.5100	\$2.5600	\$2.6300	\$2.4650	\$2.5367	\$2.6067
3/17/18	\$2.3700	\$2.4900	\$2.5700	\$2.4500	\$2.5050	\$2.5600	\$2.5100	\$2.5600	\$2.6300	\$2.4433	\$2.5183	\$2.5867
3/18/18	\$2.3700	\$2.4900	\$2.5700	\$2.4500	\$2.5050	\$2.5600	\$2.5100	\$2.5600	\$2.6300	\$2.4433	\$2.5183	\$2.5867
3/19/18	\$2.3700	\$2.4900	\$2.5700	\$2.4500	\$2.5050	\$2.5600	\$2.5100	\$2.5600	\$2.6300	\$2.4433	\$2.5183	\$2.5867
3/20/18	\$2.3700	\$2.4900	\$2.5700	\$2.5000	\$2.5600	\$2.6050	\$2.4800	\$2.5300	\$2.6100	\$2.4500	\$2.5267	\$2.5950
3/21/18	\$2.3700	\$2.4900	\$2.5700	\$2.5300	\$2.5800	\$2.6500	\$2.4800	\$2.5300	\$2.6100	\$2.4600	\$2.5333	\$2.6100
3/22/18	\$2.3700	\$2.4900	\$2.5700	\$2.5650	\$2.6150	\$2.6550	\$2.4800	\$2.5300	\$2.6100	\$2.4717	\$2.5450	\$2.6117
3/23/18	\$2.3700	\$2.4900	\$2.5700	\$2.4550	\$2.5150	\$2.5850	\$2.4800	\$2.5300	\$2.6100	\$2.4350	\$2.5117	\$2.5883
3/24/18	\$2.3700	\$2.4900	\$2.5700	\$2.4200	\$2.4750	\$2.5400	\$2.4800	\$2.5300	\$2.6100	\$2.4233	\$2.4983	\$2.5733
3/25/18	\$2.3700	\$2.4900	\$2.5700	\$2.4200	\$2.4750	\$2.5400	\$2.4800	\$2.5300	\$2.6100	\$2.4233	\$2.4983	\$2.5733
3/26/18	\$2.3700	\$2.4900	\$2.5700	\$2.4200	\$2.4750	\$2.5400	\$2.4800	\$2.5300	\$2.6100	\$2.4233	\$2.4983	\$2.5733
3/27/18	\$2.3700	\$2.4900	\$2.5700	\$2.3750	\$2.4650	\$2.5550	\$2.4200	\$2.5100	\$2.5900	\$2.3883	\$2.4883	\$2.5717
3/28/18	\$2.3700	\$2.4900	\$2.5700	\$2.3800	\$2.4700	\$2.5850	\$2.4200	\$2.5100	\$2.5900	\$2.3900	\$2.4900	\$2.5817
3/29/18	\$2.3700	\$2.4900	\$2.5700	\$2.3850	\$2.4950	\$2.5850	\$2.4200	\$2.5100	\$2.5900	\$2.3917	\$2.4983	\$2.5817
3/30/18	\$2.3700	\$2.4900	\$2.5700	\$2.3850	\$2.4950	\$2.5850	\$2.4200	\$2.5100	\$2.5900	\$2.3917	\$2.4983	\$2.5817
3/31/18	\$2.3700	\$2.4900	\$2.5700	\$2.3850	\$2.4950	\$2.5850	\$2.4200	\$2.5100	\$2.5900	\$2.3917	\$2.4983	\$2.5817
<b>Avg Rate</b>	\$2.3700	\$2.4900	\$2.5700	\$2.4503	\$2.5335	\$2.6148	\$2.4561	\$2.5335	\$2.6210	\$2.4255	\$2.5190	\$2.6019

**MONTHLY PURCHASE ACTIVITY (Non-Citygate System Supply) - ESTIMATE**

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	349,627	\$823,877.56	\$848,014.65	\$24,137.09
CGT	ML	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$24,137.09

COLUMBIA GAS OF KENTUCKY  
 Off-System Sales - SALES Activity Booking Report  
 Mar-18

DATA * STATUS	SALES TYPE **	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
							Sales Amounts			
							VOLUMES	SALES RATE	TOTAL SALE	
Dth	\$/Dth	\$								
E	S	S0247741	3/1/18	3/1/18	TCO	WV	6,800	\$2.4175	\$16,439.00	\$123.49
E	S	S0247537	3/1/18	3/1/18	TCO	WV	4,100	\$2.4900	\$10,209.00	\$419.27
E	S	S0247743	3/1/18	3/1/18	TCO	WV	10,000	\$2.5000	\$25,000.00	\$386.00
E	S	S0247760	3/1/18	3/1/18	TCO	WV	20,000	\$2.5900	\$51,800.00	\$485.00
E	S	S0247519	3/1/18	3/1/18	TCO	WV	7,100	\$2.4400	\$17,324.00	\$355.00
E	S	S0247641	3/1/18	3/1/18	TCO	WV	2,700	\$2.5500	\$6,885.00	\$275.00
E	S	S0247669	3/1/18	3/1/18	TCO	WV	3,300	\$2.5950	\$8,563.50	\$163.52
E	S	S0247522	3/1/18	3/1/18	TCO	WV	2,500	\$2.4550	\$6,137.50	\$162.50
E	S	S0247627	3/1/18	3/1/18	TCO	WV	4,000	\$2.5200	\$10,080.00	\$40.00
E	S	S0247616	3/1/18	3/1/18	TCO	WV	3,500	\$2.4900	\$8,715.00	\$17.50
E	S	S0247617	3/1/18	3/1/18	TCO	WV	5,000	\$2.4900	\$12,450.00	\$25.00
E	S	S0247618	3/1/18	3/1/18	TCO	WV	500	\$2.5000	\$1,250.00	\$7.50
E	S	S0247619	3/1/18	3/1/18	TCO	WV	100	\$2.5000	\$250.00	\$1.50
E	S	S0247674	3/1/18	3/1/18	TCO	WV	14	\$2.5000	\$35.00	\$0.56
E	S	S0247612	3/1/18	3/1/18	TCO	WV	5,000	\$2.5200	\$12,600.00	\$12.50
E	S	S0247613	3/1/18	3/1/18	TCO	WV	10,000	\$2.5200	\$25,200.00	\$25.00
E	S	S0247626	3/1/18	3/1/18	TCO	WV	10,000	\$2.5200	\$25,200.00	\$100.00
E	S	S0247536	3/1/18	3/1/18	TCO	WV	5,000	\$2.4900	\$12,450.00	\$550.00
E	S	S0247640	3/1/18	3/1/18	TCO	WV	14,100	\$2.5000	\$35,250.00	\$423.00
E	S	S0247642	3/1/18	3/1/18	TCO	WV	10,000	\$2.4800	\$24,800.00	\$100.00
E	S	S0247643	3/1/18	3/1/18	TCO	WV	5,000	\$2.4800	\$12,400.00	\$50.00
E	S	S0247644	3/1/18	3/1/18	TCO	WV	5,000	\$2.4800	\$12,400.00	\$50.00
E	S	S0247645	3/1/18	3/1/18	TCO	WV	5,000	\$2.4800	\$12,400.00	\$50.00
E	S	S0247646	3/1/18	3/1/18	TCO	WV	10,000	\$2.4800	\$24,800.00	\$100.00
E	S	S0247648	3/1/18	3/1/18	TCO	WV	5,000	\$2.5100	\$12,550.00	\$200.00
E	S	S0247685	3/1/18	3/1/18	TCO	WV	30,000	\$2.3700	\$71,100.00	\$1,755.00
E	S	S0247639	3/1/18	3/1/18	TCO	WV	15,000	\$2.4400	\$36,600.00	\$1,927.50
E	S	S0247655	3/1/18	3/1/18	TCO	WV	10,000	\$2.5000	\$25,000.00	\$1,885.00
E	S	S0247660	3/1/18	3/1/18	TCO	WV	3,600	\$2.5350	\$9,126.00	\$804.60
E	S	S0247545	3/1/18	3/1/18	TCO	WV	5,000	\$2.5000	\$12,500.00	\$942.50
E	S	S0247546	3/1/18	3/1/18	TCO	WV	5,000	\$2.5000	\$12,500.00	\$942.50
E	S	S0247554	3/1/18	3/1/18	TCO	WV	1,700	\$2.5300	\$4,301.00	\$371.45
E	S	S0247606	3/1/18	3/1/18	TCO	WV	5,000	\$2.6050	\$13,025.00	\$1,467.50
E	S	S0247608	3/1/18	3/1/18	TCO	WV	500	\$2.6275	\$1,313.75	\$158.00
E	S	S0247638	3/1/18	3/1/18	TCO	WV	4,200	\$2.4450	\$10,269.00	\$560.70
E	S	S0247562	3/1/18	3/1/18	TCO	WV	5,000	\$2.5275	\$12,637.50	\$1,080.00
E	S	S0247566	3/1/18	3/1/18	TCO	WV	5,000	\$2.5050	\$12,525.00	\$967.50
E	S	S0247567	3/1/18	3/1/18	TCO	WV	1,000	\$2.5050	\$2,505.00	\$193.50
E	S	S0247568	3/1/18	3/1/18	TCO	WV	500	\$2.5050	\$1,252.50	\$96.75
E	S	S0247569	3/1/18	3/1/18	TCO	WV	5,000	\$2.5125	\$12,562.50	\$1,005.00
E	S	S0247585	3/1/18	3/1/18	TCO	WV	500	\$2.6050	\$1,302.50	\$146.75
E	S	S0247586	3/1/18	3/1/18	TCO	WV	4,500	\$2.6050	\$11,722.50	\$1,320.75
E	S	S0247587	3/1/18	3/1/18	TCO	WV	5,000	\$2.6050	\$13,025.00	\$1,467.50
E	S	S0247604	3/1/18	3/1/18	TCO	WV	5,000	\$2.6000	\$13,000.00	\$1,442.50
E	S	S0247605	3/1/18	3/1/18	TCO	WV	2,900	\$2.6050	\$7,554.50	\$851.15
							268,114		\$669,009.75	\$23,508.47

COLUMBIA GAS OF KENTUCKY  
 Off-System Sales - EXCHANGE Activity Report  
 Mar-18

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS DELIVERY POINT	STATE OF SALE	Sales Amounts			Current Month Proration		
										VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	TOTAL SALE	MARGIN
E	E	OPP	S0244795	6/1/17	3/1/18	3/1/18	10	10 TCO	WV	155,000	\$0.2200	\$34,100.00	\$0.00	\$3,410.00	\$3,410.00
E	E	OPP	S0245974	9/1/17	3/1/18	3/1/18	7	7 TCO	WV	158,100	\$0.2000	\$31,620.00	\$0.00	\$4,517.14	\$4,517.14
E	E	OPP	S0247015		1/1/18	4/1/18	4	3 TCO	WV	30,000	\$0.3500	\$10,500.00	\$0.00	\$2,625.00	\$2,625.00
E	E	OPP	S0247027		1/1/18	4/1/18	4	3 TCO	WV	30,000	\$0.4000	\$12,000.00	\$0.00	\$3,000.00	\$3,000.00
E	E	OPP	S0247689		3/1/18	4/1/18	2	1 TCO	WV	75,000	\$0.0300	\$2,250.00	\$0.00	\$1,125.00	\$1,125.00
E	E	OPP	S0247697	3/1/18		6/1/18	4	1 TCO	WV	45000	\$0.0350	\$1,575.00	\$0.00	\$393.75	\$393.75
E	E	OPP	S0247698	3/1/18		6/1/18	4	1 TCO	WV	30,000	\$0.0600	\$1,800.00	\$0.00	\$450.00	\$450.00
E	E	OPP	S0247730	3/1/18		7/1/18	5	1 TCO	WV	31,000	\$0.1200	\$3,720.00	\$0.00	\$744.00	\$744.00
										554,100		\$97,565.00		\$16,264.89	\$16,264.89