

Columbia Gas[®]
of Kentucky

A NiSource Company

P.O. Box 14241

2001 Mercer Road

Lexington, KY 40512-4241

May 1, 2019

Ms. Gwen Pinson
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602

RECEIVED

MAY 01 2019

PUBLIC SERVICE
COMMISSION

Re: Columbia Gas of Kentucky, Inc.
Gas Cost Adjustment Case No. 2019 – 00139

Dear Ms. Pinson:

Pursuant to the Commission's Order dated January 30, 2001 in Administrative Case No. 384, Columbia Gas of Kentucky, Inc. ("Columbia") hereby encloses, for filing with the Commission, an original and six (6) copies of data submitted pursuant to the requirements of the Gas Cost Adjustment Provision contained in Columbia's tariff for its June quarterly Gas Cost Adjustment ("GCA"). An electronic copy of the schedules in Excel is also provided.

Columbia proposes to decrease its current rates to tariff sales customers by (\$0.2036) per Mcf effective with its June 2019 billing cycle on May 31, 2019. The decrease is composed of an increase of \$0.2523 per Mcf in the Average Commodity Cost of Gas, a decrease of (\$0.0669) per Mcf in the Average Demand Cost of Gas, a decrease of (\$0.4384) per Mcf in the Balancing Adjustment, an increase of \$0.0580 in the Actual Cost Adjustment and a decrease in the Performance Based Rate Adjustment of (\$0.0086). Pursuant to Case No. 2016-00060 Columbia has implemented a quarterly Actual Cost Adjustment and Balancing Adjustment effective with the June 2016 billing cycle. Please feel free to contact me at 859-288-0242 or jmcoop@nisource.com if there are any questions.

Sincerely,


Judy M. Cooper

Director, Government and Regulatory Policy

Enclosures

RECEIVED

MAY 01 2019

PUBLIC SERVICE
COMMISSION

BEFORE THE
PUBLIC SERVICE COMMISSION
OF KENTUCKY

COLUMBIA GAS OF KENTUCKY, INC.

CASE 2019 – 00139

GAS COST ADJUSTMENT AND REVISED RATES OF
COLUMBIA GAS OF KENTUCKY, INC. PROPOSED TO BECOME
EFFECTIVE JUNE 2019 BILLINGS

Columbia Gas of Kentucky, Inc.**Comparison of Current and Proposed GCAs**

Line <u>No.</u>	March 2019 <u>CURRENT</u>	June 2019 <u>PROPOSED</u>	<u>DIFFERENCE</u>
1 Commodity Cost of Gas	\$2.7765	\$3.0288	\$0.2523
2 Demand Cost of Gas	<u>\$1.4368</u>	<u>\$1.3699</u>	<u>(\$0.0669)</u>
3 Total: Expected Gas Cost (EGC)	\$4.2133	\$4.3987	\$0.1854
4 SAS Refund Adjustment	\$0.0000	\$0.0000	\$0.0000
5 Balancing Adjustment	(\$0.0500)	(\$0.4884)	(\$0.4384)
6 Supplier Refund Adjustment	\$0.0000	\$0.0000	\$0.0000
7 Actual Cost Adjustment	(\$0.2450)	(\$0.1870)	\$0.0580
8 Performance Based Rate Adjustment	<u>\$0.3479</u>	<u>\$0.3393</u>	<u>(\$0.0086)</u>
9 Cost of Gas to Tariff Customers (GCA)	\$4.2662	\$4.0626	(\$0.2036)
10 Transportation TOP Refund Adjustment	\$0.0000	\$0.0000	\$0.0000
11 Banking and Balancing Service	\$0.0216	\$0.0215	(\$0.0001)
12 Rate Schedule FI and GSO			
13 Customer Demand Charge	\$6.8068	\$6.5730	(\$0.2338)

Columbia Gas of Kentucky, Inc.

Gas Cost Adjustment Clause

Gas Cost Recovery Rate

Jun - Aug 19

<u>Line No.</u>	<u>Description</u>		<u>Amount</u>	<u>Expires</u>
1	Expected Gas Cost (EGC)	Schedule No. 1	\$4.3987	08-31-19
2	Total Actual Cost Adjustment (ACA)	Schedule No. 2	(\$0.1870)	
		Case No. 2018-00253	(\$0.2734)	08-31-19
		Case No. 2018-00366	\$0.0650	11-30-19
		Case No. 2019-00040	\$0.5283	02-29-20
		Case No. 2019-xxxxx	(\$0.5069)	05-31-20
3	Total Supplier Refund Adjustment (RA)	Schedule No. 4	\$0.0000	
4	Balancing Adjustment (BA)	Schedule No. 3 Case No. 2019-xxxxx	(\$0.4884)	05-31-20
5	Performance Based Rate Adjustment (PBRA)	Schedule No. 6 Case No. 2019-xxxxx	\$0.3393	05-31-20
6	Gas Cost Adjustment			
7	Jun - Aug 19		<u>\$4.0626</u>	
8	Expected Demand Cost (EDC) per Mcf			
9	(Applicable to Rate Schedule IS/SS and GSO)	Schedule No. 1, Sheet 4	<u>\$6.5730</u>	

DATE FILED: May 1, 2019

BY: J. M. Cooper

Columbia Gas of Kentucky, Inc.
Expected Gas Cost for Sales Customers
Jun - Aug 19

Schedule No. 1
 Sheet 1

Line No.	Description	Reference	Volume A/		Rate		Cost (5)
			Mcf (1)	Dth. (2)	Per Mcf (3)	Per Dth (4)	
Storage Supply							
Includes storage activity for sales customers only							
Commodity Charge							
1	Withdrawal			0		\$0.0153	\$0
2	Injection			4,689,376		\$0.0153	\$71,747
3	Withdrawals: gas cost includes pipeline fuel and commodity charges			0		\$2.5074	\$0
Total							
4	Volume	= 3		0			
5	Cost	sum(1:3)					\$71,747
6	Summary	4 or 5		0			\$71,747
Flowing Supply							
Excludes volumes injected into or withdrawn from storage.							
Net of pipeline retention volumes and cost. Add unit retention cost on line 18							
7	Non-Appalachian	Sch.1, Sht. 5, Ln. 4		638,526			\$1,589,931
8	Appalachian Supplies	Sch.1, Sht. 6, Ln. 4		48,313			\$138,140
9	Less Fuel Retention By Interstate Pipelines	Sch. 1,Sheet 7, Lines 21, 22		(97,807)			(\$246,481)
10	Total	7 + 8 + 9		589,032			\$1,481,590
Total Supply							
11	At City-Gate	Line 6 + 10		589,032			\$1,553,337
Lost and Unaccounted For							
12	Factor			-0.4%			
13	Volume	Line 11 * 12		(2,356)			
14	At Customer Meter	Line 11 + 13	532,858	586,676			
15	Less: Right-of-Way Contract Volume			124			
16	Sales Volume	Line 14-15	532,734				
Unit Costs \$/MCF							
Commodity Cost							
17	Excluding Cost of Pipeline Retention	Line 11 / Line 16				\$2.9158	
18	Annualized Unit Cost of Retention	Sch. 1,Sheet 7, Line 24				\$0.0853	
19	Including Cost of Pipeline Retention	Line 17 + 18				\$3.0011	
20	Uncollectible Ratio	CN 2016-00162				0.00923329	
21	Gas Cost Uncollectible Charge	Line 19 * Line 20				\$0.0277	
22	Total Commodity Cost	line 19 + line 21				\$3.0288	
23	Demand Cost	Sch.1, Sht. 2, Line 10				\$1.3699	
24	Total Expected Gas Cost (EGC)	Line 22 + 23				\$4.3987	

A/ BTU Factor = 1.1010 Dth/MCF

Columbia Gas of Kentucky, Inc.

Schedule No. 1

GCA Unit Demand Cost

Sheet 2

Jun - Aug 19

<u>Line</u> <u>No.</u>	<u>Description</u>	<u>Reference</u>	
1	Expected Demand Cost: Annual Jun - Aug 19	Sch. No.1, Sheet 3, Ln. 11	\$19,024,712
2	Less Rate Schedule IS/SS and GSO Customer Demand Charge Recovery	Sch. No.1, Sheet 4, Ln. 10	-\$154,755
3	Less Storage Service Recovery from Delivery Service Customers		-\$214,313
4	Net Demand Cost Applicable 1 + 2 + 3		\$18,655,644
	Projected Annual Demand: Sales + Choice		
	At city-gate		
	In Dth		15,057,057 Dth
	Heat content		1.1010 Dth/MCF
5	In MCF		13,675,801 MCF
	Lost and Unaccounted - For		
6	Factor		0.4%
7	Volume	5 * 6	54,703 MCF
8	Right of way Volumes		<u>2,447</u>
9	At Customer Meter	5 - 7- 8	13,618,651 MCF
10	Unit Demand Cost (4/ 9)	To Sheet 1, line 23	\$1.3699 per MCF

Columbia Gas of Kentucky, Inc.
Annual Demand Cost of Interstate Pipeline Capacity
Jun - May 2020

Schedule No. 1
 Sheet 3

Line No.	Description	Dth	Monthly Rate \$/Dth	# Months	Expected Annual Demand Cost
Columbia Gas Transmission Corporation					
Firm Storage Service (FSS)					
1	FSS Max Daily Storage Quantity (MDSQ)	220,880	\$1.5010	12	\$3,978,491
2	FSS Seasonal Contract Quantity (SCQ)	11,264,911	\$0.0288	12	\$3,893,153
Storage Service Transportation (SST)					
3	Summer	110,440	\$4.1850	6	\$2,773,148
4	Winter	220,880	\$4.1850	6	\$5,546,297
5	Firm Transportation Service (FTS)	20,014	\$6.7540	10	\$1,351,746
6	Firm Transportation Service (FTS)	5,124	\$6.7540	5	\$173,037
7	Subtotal				sum(1:6) \$17,715,872
Columbia Gulf Transmission Company					
8	FTS - 1 (Mainline)	28,991	\$4.1700	5	\$604,462
Tennessee Gas					
9	Firm Transportation	20,506	\$4.5841	5	\$470,008
Central Kentucky Transmission					
10	Firm Transportation	28,000	\$0.4930	10	\$138,040
11	Operational and Commercial Services Charge		\$9,633	10	\$96,330
12	Total. Used on Sheet 2, line 1				\$19,024,712

Gas Cost Adjustment Clause

Expected Demand Costs Recovered Annually From Rate Schedule IS/SS and GSO Customers

Jun - May 2020

Capacity

Line No.	Description	Capacity			Annual Cost
		Daily Dth (1)	# Months (2)	Annualized Dth (3) = (1) x (2)	
1	Expected Demand Costs (Per Sheet 3)				\$19,024,712
	City-Gate Capacity:				
	Columbia Gas Transmission				
2	Firm Storage Service - FSS	220,880	12	2,650,560	
3	Firm Transportation Service - FTS	20,014	10	200,140	
4	Central Kentucky Transportation	28,000	12	336,000	
5	Total		2 + 3 + 4	3,186,700	Dth
6	Divided by Average BTU Factor			1.101	Dth/MCF
7	Total Capacity - Annualized		Line 5 / Line 6	2,894,369	Mcf
	Monthly Unit Expected Demand Cost (EDC) of Daily Capacity				
8	Applicable to Rate Schedules IS/SS and GSO		Line 1 / Line 7	\$6.5730	/Mcf
9	Firm Volumes of IS/SS and GSO Customers	1,962	12	23,544	Mcf
10	Expected Demand Charges to be Recovered Annually from Rate Schedule IS/SS and GSO Customers		Line 8 * Line 9		to Sheet 2, line 2
					\$154,755

Columbia Gas of Kentucky, Inc.
Non-Appalachian Supply: Volume and Cost
Jun - Aug 19

Schedule No. 1
 Sheet 5

Cost includes transportation commodity cost and retention by the interstate pipelines, but excludes pipeline demand costs.
 The volumes and costs shown are for sales customers only.

Line No.	Month	Total Flowing Supply Including Gas Injected Into Storage			Net Storage Injection Dth (4)	Net Flowing Supply for Current Consumption	
		Volume A/ Dth (1)	Cost (2)	Unit Cost \$/Dth (3) = (2) / (1)		Volume Dth (5) = (1) + (4)	Cost (6) = (3) x (5)
1	Jun-19	1,778,509	\$4,335,510		(1,566,352)	212,157	
2	Jul-19	1,782,088	\$4,449,341		(1,562,527)	219,561	
3	Aug-19	1,767,305	\$4,456,730		(1,560,497)	206,808	
4	Total 1+2+3	5,327,903	\$13,241,581	\$2.49	(4,689,376)	638,526	\$1,589,931

A/ Gross, before retention.

Columbia Gas of Kentucky, Inc.
Appalachian Supply: Volume and Cost
Jun - Aug 19

Schedule No. 1
Sheet 6

<u>Line</u> <u>No.</u>	<u>Month</u>	<u>Dth</u> (2)	<u>Cost</u> (3)
1	Jun-19	16,460	\$46,716
2	Jul-19	15,715	\$44,832
3	Aug-19	16,138	\$46,592
4	Total 1 + 2 + 3	48,313	\$138,140

Columbia Gas of Kentucky, Inc.
Annualized Unit Charge for Gas Retained by Upstream Pipelines
 Jun - Aug 19

Schedule No. 1
 Sheet 7

Retention costs are incurred proportionally to the volumes purchased, but recovery of the costs is allocated to quarter by volume consumed.

							Annual	
			Units	Jun - Aug 19	Sep - Nov 19	Dec - Feb 20	Mar - Feb 20	Jun - May 2020
Gas purchased by CKY for the remaining sales customers								
1	Volume	Dth		5,376,216	2,312,552	1,640,669	3,455,298	12,784,734
2	Commodity Cost Including Transportation			\$13,379,721	\$5,883,704	\$4,792,450	\$8,162,599	\$32,218,474
3	Unit cost	\$/Dth						\$2.5201
Consumption by the remaining sales customers								
11	At city gate	Dth		589,032	1,895,919	6,519,015	2,581,842	11,585,808
12	Lost and unaccounted for portion			0.40%	0.40%	0.40%	0.40%	
At customer meters								
13	In Dth	(100% - 12) * 11	Dth	586,676	1,888,335	6,492,939	2,571,515	11,539,465
14	Heat content		Dth/MCF	1.1010	1.1010	1.1010	1.1010	
15	In MCF	13 / 14	MCF	532,857	1,715,109	5,897,311	2,335,618	10,480,895
16	Portion of annual	line 15, quarterly / annual		5.1%	16.4%	56.3%	22.3%	100.0%
Gas retained by upstream pipelines								
21	Volume		Dth	97,807	58,597	110,420	86,668	353,492
Cost								
22	Quarterly. Deduct from Sheet 1 3 * 21			To Sheet 1, line 9				
23	Allocated to quarters by consumption			\$246,481	\$147,669	\$278,267	\$218,410	\$890,827
				\$45,432	\$146,096	\$501,536	\$198,654	\$891,718
24	Annualized unit charge	23 / 15	\$/MCF	To Sheet 1, line 18	\$0.0852	\$0.0850	\$0.0851	\$0.0851
				\$0.0853				

COLUMBIA GAS OF KENTUCKY, INC.

Schedule No. 1

Sheet 8

**DETERMINATION OF THE BANKING AND
BALANCING CHARGE
FOR THE PERIOD BEGINNING JUNE 2019**

Line No.	Description	Dth	Detail	Amount For Transportation Customers
1	Total Storage Capacity. Sheet 3, line 2	11,264,911		
2	Net Transportation Volume	10,981,221		
3	Contract Tolerance Level @ 5%	549,061		
4	Percent of Annual Storage Applicable to Transportation Customers		4.87%	
6	Seasonal Contract Quantity (SCQ)			
7	Rate		\$0.0288	
8	SCQ Charge - Annualized		<u>\$3,893,153</u>	
9	Amount Applicable To Transportation Customers			\$189,597
10	FSS Injection and Withdrawal Charge			
11	Rate		0.0306	
12	Total Cost		<u>\$344,706</u>	
13	Amount Applicable To Transportation Customers			\$16,787
14	SST Commodity Charge			
15	Rate		0.0186	
16	Projected Annual Storage Withdrawal, Dth		8,753,940	
17	Total Cost		<u>\$162,823</u>	
18	Amount Applicable To Transportation Customers			\$7,929
19	Total Cost Applicable To Transportation Customers			<u>\$214,313</u>
20	Total Transportation Volume - Mcf			17,007,000
21	Flex and Special Contract Transportation Volume - Mcf			(7,033,139)
22	Net Transportation Volume - Mcf	line 20 + line 21		9,973,861
23	Banking and Balancing Rate - Mcf.	Line 19 / line 22. To line 11 of the GCA Comparison		<u>\$0.0215</u>

**DETAIL SUPPORTING
DEMAND/COMMODITY SPLIT**

COLUMBIA GAS OF KENTUCKY
CASE NO. 2019- Effective June 2019 Billing Cycle

CALCULATION OF DEMAND/COMMODITY SPLIT OF GAS COST ADJUSTMENT FOR TARIFFS

	\$/MCF
Demand Component of Gas Cost Adjustment	
Demand Cost of Gas (Schedule No. 1, Sheet 1, Line 23)	\$1.3699
Demand ACA (Schedule No. 2, Sheet 1, Case No. 2018-00253, Case No. 2018-00366, Case No. 2019-00040, & Case No. 2019-XXXXX)	(\$0.0938)
Refund Adjustment (Schedule No. 4, Case No. 201X-)	<u>\$0.0000</u>
Total Demand Rate per Mcf	\$1.2761 <--- to Att. E, line 15
 Commodity Component of Gas Cost Adjustment	
Commodity Cost of Gas (Schedule No. 1, Sheet 1, Line 22)	\$3.0288
Commodity ACA (Schedule No. 2, Sheet 1, Case No. 2018-00253, Case No. 2018-00366, Case No. 2019-00040, & Case No. 2019-XXXXX)	(\$0.0932)
Balancing Adjustment	(\$0.4884)
Performance Based Rate Adjustment (Schedule No. 6, Case No. 2019-XXXXX)	<u>\$0.3393</u>
Total Commodity Rate per Mcf	\$2.7865
 CHECK:	
	\$1.2761
	<u>\$2.7865</u>
COST OF GAS TO TARIFF CUSTOMERS (GCA)	\$4.0626
 Calculation of Rate Schedule SVGTS - Actual Gas Cost Adjustment	
Commodity ACA (Schedule No. 2, Sheet 1, Case No. 2018-00253, Case No. 2018-00366, Case No. 2019-00040, & Case No. 2019-XXXXX)	(\$0.0932)
Balancing Adjustment	(\$0.4884)
Performance Based Rate Adjustment (Schedule No. 6, Case No. 2019-XXXXX)	<u>\$0.3393</u>
Total Commodity Rate per Mcf	<u><u>(\$0.2423)</u></u> ←

Columbia Gas of Kentucky, Inc.
CKY Choice Program
100% Load Factor Rate of Assigned FTS Capacity
Balancing Charge
Jun - Aug 19

Line No.	Description	Contract Volume Dth Sheet 3 (1)	Retention (2)	Monthly demand charges \$/Dth Sheet 3 (3)	# months A/ (4)	Assignment proportions lines 4, 5 (5)	Adjustment for retention on downstream pipe, if any (6) = 1 / (100% - col2)	Annual costs	
								\$/Dth	\$/MCF
City gate capacity assigned to Choice marketers									
1	Contract								
2	CKT FTS/SST	28,000	0.460%						
3	TCO FTS	<u>20,014</u>	1.492%						
4	Total	48,014							
5									
6	Assignment Proportions								
7	CKT FTS/SST	2 / 4	58.32%						
8	TCO FTS	3 / 4	41.68%						
Annual demand cost of capacity assigned to choice marketers									
9	CKT FTS			\$0.4930	10	0.5832	1.0000	\$2.8752	
10	TCO FTS			\$6.7540	10	0.4168	1.0000	\$28.1507	
11	Gulf FTS-1, upstream to CKT FTS			\$4.1700	5	0.5832	1.0046	\$12.2159	
12	TGP FTS-A, upstream to TCO FTS			\$4.5841	5	0.4168	1.0151	\$9.6980	
13	Total Demand Cost of Assigned FTS, per unit							\$52.9398	\$58.2867
14	100% Load Factor Rate (Line 13 / 365 days)								\$0.1597
Balancing charge, paid by Choice marketers									
15	Demand Cost Recovery Factor in GCA, per Mcf per CKY Tariff Sheet No. 5								\$1.2761
16	Less credit for cost of assigned capacity								(\$0.1597)
17	Plus storage commodity costs incurred by CKY for the Choice marketer								\$0.0612
18	Balancing Charge, per Mcf								sum(15:17) \$1.1776

ACTUAL COST ADJUSTMENT
SCHEDULE NO. 2

COLUMBIA GAS OF KENTUCKY, INC.

**STATEMENT SHOWING COMPUTATION OF
ACTUAL GAS COST ADJUSTMENT (ACA)
BASED ON THE THREE MONTHS ENDED FEBRUARY 28, 2019**

Line No.	Month	Total Sales Volumes Per Books Mcf (1)	Standby Service Sales Volumes Mcf (2)	Net Applicable Sales Volumes Mcf (3)=(1)-(2)	Average Expected Gas Cost Rate \$/Mcf (4) = (5/3)	Gas Cost Recovery \$ (5)	Standby Service Recovery \$ (6)	Gas Left On Recovery (7)	Total Gas Cost Recovery \$ (8)=(5)+(6)-(7)	Cost of Gas Purchased \$ (9)	(OVER)/ UNDER RECOVERY \$ (10)=(9)-(8)
1	December 2018	1,827,208	1,431	1,825,777	\$4.7592	\$8,689,221	\$18,098	(\$5,989)	\$8,713,308	\$8,899,112	\$185,804
2	January 2019	1,970,614	621	1,969,993	\$4.7589	\$9,375,052	\$15,136	(\$3,448)	\$9,393,636	\$6,988,150	(\$2,405,486)
3	February 2019	2,096,979	0	2,096,979	\$4.8123	\$10,091,270	\$13,017	(\$3,212)	\$10,107,499	\$7,484,954	(\$2,622,545)
4	TOTAL	5,894,801	2,052	5,892,749		\$28,155,543	\$46,251	(\$12,649)	\$28,214,443	\$23,372,216	(\$4,842,227)
5	Off-System Sales										(\$478,166)
6	Capacity Release										\$0
7	TOTAL (OVER)/UNDER-RECOVERY										(\$5,320,393.88)
8	Demand Revenues Received										\$8,339,663
9	Demand Cost of Gas										<u>\$2,960,674</u>
10	Demand (Over)/Under Recovery										<u>(\$5,378,989)</u>
11	Expected Sales Volumes for the Twelve Months End May 31, 2020										10,478,621
12	DEMAND ACA TO EXPIRE MAY 31, 2020										(\$0.5133)
13	Commodity Revenues Received										\$19,874,779
14	Commodity Cost of Gas										<u>\$19,933,376</u>
15	Commodity (Over)/Under Recovery										\$58,597
16	Gas Cost Uncollectible ACA										<u>\$8,070</u>
17	Total Commodity (Over)/Under Recovery										<u>\$66,667</u>
18	Expected Sales Volumes for the Twelve Months End May 31, 2020										10,478,621
19	COMMODITY ACA TO EXPIRE MAY 31, 2020										\$0.0064
20	TOTAL ACA TO EXPIRE MAY 31, 2020										(\$0.5069)

**STATEMENT SHOWING ACTUAL COST
 RECOVERY FROM CUSTOMERS TAKING STANDBY
 SERVICE UNDER RATE SCHEDULE IS AND GSO
 FOR THE THREE MONTHS ENDED FEBRUARY 28, 2019**

LINE NO.	MONTH	SS Commodity Volumes (1) Mcf	Average SS Recovery Rate (2) \$/Mcf	SS Commodity Recovery (3) \$
1	December 2018	1,431	\$3.0258	\$4,330
2	January 2019	621	\$3.3572	\$2,085
3	February 2019	0	\$0.0000	\$0
4	Total SS Commodity Recovery			<u>\$6,415</u>

LINE NO.	MONTH	SS Demand Volumes (1) Mcf	Average SS Demand Rate (2) \$/Mcf	SS Demand Recovery (3) \$
5	December 2018	1,962	\$7.0175	\$13,768
6	January 2019	1,962	\$6.6522	\$13,052
7	February 2019	1,962	\$6.6344	\$13,017
8	Total SS Demand Recovery			<u>\$39,837</u>
9	TOTAL SS AND GSO RECOVERY			<u><u>\$46,251</u></u>

Columbia Gas of Kentucky, Inc.
Gas Cost Uncollectible Charge - Actual Cost Adjustment
For the Three Months Ending February 28, 2019

Line No.	<u>Class</u>	<u>Dec-18</u>	<u>Jan-19</u>	<u>Feb-19</u>	<u>Total</u>
1	Actual Cost	\$ 86,582	\$ 49,412	\$ 55,494	\$ 191,488
2	Actual Recovery	<u>\$ 56,625</u>	<u>\$ 61,059</u>	<u>\$ 65,734</u>	<u>\$ 183,418</u>
3	(Over)/Under Activity	\$ 29,957	\$ (11,647)	\$ (10,239)	\$ 8,070

BALANCING ADJUSTMENT

SCHEDULE NO. 3

COLUMBIA GAS OF KENTUCKY, INC.

**CALCULATION OF BALANCING ADJUSTMENT
TO BE EFFECTIVE JUNE 1, 2019**

<u>Line</u>	<u>Description</u>	<u>Detail</u>	<u>Amount</u>
<u>No.</u>		\$	\$
1	<u>RECONCILIATION OF A PREVIOUS SUPPLIER REFUND ADJUSTMENT</u>		
2	Total adjustment to have been distributed to		
3	customers in Case No. 201X-XXXXX	\$0	
4	Less: actual amount distributed	<u>\$0</u>	
5	REMAINING AMOUNT		\$0
6	<u>RECONCILIATION OF A PREVIOUS BALANCING ADJUSTMENT</u>		
7	Total adjustment to have been collected from		
8	customers in Case No. 2017-00317	\$171,064	
9	Less: actual amount collected	<u>\$170,011</u>	
10	REMAINING AMOUNT		\$1,053
11	<u>RECONCILIATION OF PREVIOUS ACTUAL COST ADJUSTMENT</u>		
12	Total adjustment to have been collected from		
13	customers in Case No. 2017-00423	\$4,631,006	
14	Less: actual amount collected	<u>\$4,892,218</u>	
15	REMAINING AMOUNT		<u>(\$261,212)</u>
16	TOTAL BALANCING ADJUSTMENT AMOUNT		<u>(\$260,159)</u>
17	Divided by: projected sales volumes for the three months		
18	ended August 31, 2019		532,704
19	BALANCING ADJUSTMENT (BA) TO		
20	EXPIRE AUGUST 31, 2019		<u>\$ (0.4884)</u>

Columbia Gas of Kentucky, Inc.
Balancing Adjustment
Supporting Data

Case No. 2017-00317

Expires: December 31, 2017

	<u>Volume</u>	<u>Surcharge Rate</u>	<u>Surcharge Amount</u>	<u>Surcharge Balance</u>
Beginning Balance				\$171,064
December 2018	1,786,455	\$0.0291	\$51,986	\$119,078
January 2019	1,941,590	\$0.0291	\$56,500	\$62,578
February 2019	2,090,731	\$0.0291	\$60,840	\$1,738
March 2019	23,514	\$0.0291	\$684	\$1,053

TOTAL SURCHARGE COLLECTED

SUMMARY:

SURCHARGE AMOUNT \$171,064

AMOUNT COLLECTED \$170,011

REMAINING BALANCE \$1,053

Columbia Gas of Kentucky, Inc.
Actual Cost Adjustment YR2017 QTR4
Supporting Data

Case No. 2017-00423

Expires: December 31, 2018

	Tariff			Choice			Refund Balance
	Volume	Refund Rate	Refund Amount	Volume	Refund Rate	Refund Amount	
							\$4,631,006
Mar-18	1,311,159	\$0.4483	\$587,793	5,938	\$0.1544	\$917	\$4,042,297
Apr-18	1,262,891	\$0.4483	\$566,154	6,768	\$0.1544	\$1,045	\$3,475,098
May-18	565,889	\$0.4483	\$253,688	4,555	\$0.1544	\$703	\$3,220,707
Jun-18	148,727	\$0.4483	\$66,674	1,141	\$0.1544	\$176	\$3,153,856
Jul-18	184,307	\$0.4483	\$82,625	2,198	\$0.1544	\$339	\$3,070,892
Aug-18	181,154	\$0.4483	\$81,211	1,197	\$0.1544	\$185	\$2,989,496
Sep-18	191,296	\$0.4483	\$85,758	1,495	\$0.1544	\$231	\$2,903,507
Oct-18	268,087	\$0.4483	\$120,183	2,632	\$0.1544	\$406	\$2,782,917
Nov-18	887,892	\$0.4483	\$398,042	7,469	\$0.1544	\$1,153	\$2,383,722
Dec-18	1,810,584	\$0.4483	\$811,685	11,203	\$0.1544	\$1,730	\$1,570,308
Jan-19	1,952,114	\$0.4483	\$875,133	11,766	\$0.1544	\$1,817	\$693,358
Feb-19	2,101,939	\$0.4483	\$942,299	11,207	\$0.1544	\$1,730	(\$250,671)
Mar-19	23,514	\$0.4483	\$10,541	(0)	\$0.1544	(\$0)	(\$261,212)

SUMMARY:

REFUND AMOUNT	4,631,006
LESS	
AMOUNT REFUNDED	<u>4,892,218</u>

TOTAL REMAINING REFUND (261,212)

PERFORMANCE BASED RATE ADJUSTMENT
SCHEDULE NO. 6

COLUMBIA GAS OF KENTUCKY, INC.**CALCULATION OF PERFORMANCE BASED RATE ADJUSTMENT**

Effective Billing Unit 1 June 2019

<u>Month</u>	<u>Gas Cost</u>	<u>Transportation Cost</u>	<u>Off-System Sales</u>	<u>Company Performance Share</u>
February 2018	16.27	(13,652.03)	(12.55)	(13,648.31)
March 2018	5.11	137.35	8.83	151.29
April 2018	8,627.72	201,957.25	4,422.17	215,007.14
May 2018	23,021.82	204,971.57	1,957.65	229,951.04
June 2018	27,358.40	204,250.62	3,188.86	234,797.88
July 2018	15,419.47	200,873.48	2,798.67	219,091.62
August 2018	(16,030.78)	202,269.76	2,459.68	188,698.66
September 2018	9,926.82	218,856.38	13,307.63	242,090.83
October 2018	(20,369.25)	310,569.71	8,792.47	298,992.93
November 2018	3,015.98	326,922.41	10,650.43	340,588.82
December 2018	(128,423.29)	260,446.43	33,429.62	165,452.76
January 2019	38,188.09	324,377.95	85,641.79	448,207.83
February 2019	8,318.25	373,021.59	77,942.79	459,282.63
March 2019	<u>74,170.38</u>	<u>367,573.92</u>	<u>85,073.13</u>	<u>526,817.43</u>
Company Performance Share	43,244.99	3,182,576.39	329,661.17	<u>\$ 3,555,482.55</u>
Projected Sales Volumes for the 12 Months Ended May 31, 2020				10,478,621
Performance Based Rate Adjustment to Expire May 31, 2020				<u>\$ 0.3393</u>

FEBRUARY 2018

Columbia Gas of Kentucky, Inc.

Monthly Performance Based Rate Calculation

Flow Period: Feb-18

Ln.	PBR Component Description	Feb-18 ESTIMATE	Feb-18 ACTUAL	
1	CPS = (TPBR) x ASP	\$23,107.94	\$22,698.01	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$296,330.91</u>	<u>\$283,092.54</u>	50% of remainder
3	Total Company Performance Share	\$319,438.85	\$305,790.54	
4	TCI (includes Marketed CapR)	\$676,197.26	\$648,354.07	
5	GCI	(\$28,443.34)	(\$28,443.34)	
6	OSSI			
	Sales	\$200.00	\$200.00	
	Exch	\$21,734.36 (1)	\$21,734.36	
7	TPBR = (TCI+GCI+OSSI)	\$669,688.28	\$641,845.09	
8	AGC (**Total Gas Cost)	\$3,851,323.25	\$3,783,000.86	
	Sys Supply Purch	\$1,758,418.34	\$1,758,418.34	
	Core	\$187,779.20 (est)	\$148,276.08 (act)	
	Misc Adjustment	\$0.00	\$0.00	
	Transportation	\$1,905,125.71	\$1,876,306.44	
				tell
9	2% of AGC	\$77,026.47	\$75,660.02	
10	PAC = (TPBR) / AGC	17.39%	16.97%	

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>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0961	Demand Vol @ Max Rate	\$309,560.63	\$309,560.63
		TCO	80160	SST	190,880	\$6.0650	Demand Vol @ Max Rate	\$1,157,687.20	\$1,157,687.20
		TCO	81540	SST	30,000	\$6.0650	Demand Vol @ Max Rate	<u>\$181,950.00</u>	<u>\$181,950.00</u>
							\$1,649,197.83	\$1,649,197.83	
CKY COST	(TATC)	Tenn	308956	FTA	20,506	<u>Disc Rate</u> \$4.5835	Demand Vol @ Disc Rate	\$93,989.25	\$94,001.56
		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	\$1,018,384.36	
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$9,034.20	\$9,034.20
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$8,506.40	\$8,506.40
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00	\$0.00
							Total TCI	\$648,366.38	\$648,354.07

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	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
Avg Rate	\$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) - ACTUAL

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

SALES Activity Booking Report

Feb-18

DATA * <u>STATUS</u>	SALES <u>TYPE **</u>	<u>SALES ID</u> (1)	RECEIPT FLOW <u>DATE</u>	DELIVERY FLOW <u>DATE</u>	<u>CDC</u>	PURCHASE <u>POINT</u>	INVOICED SALES AMOUNTS					MARGIN
							Sales Amounts			Pre-Tax Margin		
							<u>VOLUMES INVOICED</u>	<u>SALES RATE</u>	<u>TOTAL SALE</u>	<u>PRE-TAX MARGIN</u>	<u>PRE-TAX MARGIN PER DTH</u>	
Dth	\$/Dth	\$	\$	\$/Dth								
I	S	S0247398	2/1/18	2/1/18	TCO		40,000	\$2.2850	\$91,400.00	\$200.00	\$0.00500	\$200.00
							40,000		\$91,400.00	\$200.00		\$200.00

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

SALES AMOUNTS

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW	DELIVERY FLOW	INVOICE	# OF MONTHS	# OF MONTHS	DELIVERY POINT	STATE OF SALE	VOLUMES Dth	SALES RATE	TOTAL SALE	TRANSPORT COST	TOTAL SALE	MARGIN
				DATE	DATE	MONTH	IN TERM	EXPIRED		SALE		\$/Dth	\$	\$	\$	\$
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

Ln.	<u>PBR Component Description</u>	Mar-18 ESTIMATE	Mar-18 ACTUAL	
1	CPS = (TPBR) x ASP	\$17,171.73	\$16,935.16	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$326,055.67</u>	<u>\$326,443.53</u>	50% of remainder
3	Total Company Performance Share	\$343,227.40	\$343,378.69	
4	TCI (includes Marketed CapR)	\$645,439.98	\$645,427.67	
5	GCI	\$24,137.09	\$24,136.57	
6	OSSI			
	Sales	\$23,508.47	\$23,508.47	
	Exch	\$16,264.89 (1)	\$16,264.89	
7	TPBR = (TCI+GCI+OSSI)	\$709,350.43	\$709,337.60	
8	AGC (**Total Gas Cost)	\$2,861,954.83	\$2,822,526.69	
	Sys Supply Purch	\$823,877.56	\$823,878.08	
	Core	\$124,482.36 (est)	\$94,592.84 (act)	
	Misc Adjustment	\$0.00	\$0.00	
	Transportation	\$1,913,594.91	\$1,904,055.77	
				tell
9	2% of AGC	\$57,239.10	\$56,450.53	
10	PAC = (TPBR) / AGC	24.79%	25.13%	

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>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$15.0961	Demand Vol @ Max Rate	\$309,560.63	\$309,560.63
		TCO	80160	SST	190,880	\$6.0650	Demand Vol @ Max Rate	\$1,157,687.20	\$1,157,687.20
		TCO	81540	SST	30,000	\$6.0650	Demand Vol @ Max Rate	<u>\$181,950.00</u>	<u>\$181,950.00</u>
							\$1,649,197.83	\$1,649,197.83	
CKY COST	(TATC)	Tenn	308956	FTA	20,506	<u>Disc Rate</u> \$4.5835	Demand Vol @ Disc Rate	\$93,989.25	\$94,001.56
		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	\$1,018,384.36	
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$9,034.20	\$9,034.20
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$5,580.00	\$5,580.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00	\$0.00
							Total TCI	\$645,439.98	\$645,427.67

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			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
Avg Rate	\$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) - ACTUAL

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	349,627	\$823,878.08	\$848,014.65	\$24,136.57
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$24,136.57

COLUMBIA GAS OF KENTUCKY

SALES Activity Booking Report

Mar-18

DATA * STATUS	SALES TYPE **	SALES CATEGORY	SALES ID	RECEIPT	DELIVERY	DELIVERY POINT	STATE	INVOICED SALES AMOUNTS		MARGIN
				FLOW DATE	FLOW DATE		OF SALE	Sales Amounts		
								VOLUMES INVOICED	SALES RATE	
								Dth	\$/Dth	
I	S	OPP	S0247741	3/1/18	3/1/18	TCO	WV	6,800	\$2.4175	\$123.49
I	S	OPP	S0247537	3/1/18	3/1/18	TCO	WV	4,100	\$2.4900	\$419.27
I	S	OPP	S0247743	3/1/18	3/1/18	TCO	WV	10,000	\$2.5000	\$386.00
I	S	OPP	S0247760	3/1/18	3/1/18	TCO	WV	20,000	\$2.5900	\$485.00
I	S	OPP	S0247519	3/1/18	3/1/18	TCO	WV	7,100	\$2.4400	\$355.00
I	S	OPP	S0247669	3/1/18	3/1/18	TCO	WV	3,300	\$2.5950	\$163.52
I	S	OPP	S0247641	3/1/18	3/1/18	TCO	WV	2,700	\$2.5500	\$275.00
I	S	OPP	S0247522	3/1/18	3/1/18	TCO	WV	2,500	\$2.4550	\$162.50
I	S	OPP	S0247627	3/1/18	3/1/18	TCO	WV	4,000	\$2.5200	\$40.00
I	S	OPP	S0247617	3/1/18	3/1/18	TCO	WV	5,000	\$2.4900	\$25.00
I	S	OPP	S0247618	3/1/18	3/1/18	TCO	WV	500	\$2.5000	\$7.50
I	S	OPP	S0247619	3/1/18	3/1/18	TCO	WV	100	\$2.5000	\$1.50
I	S	OPP	S0247616	3/1/18	3/1/18	TCO	WV	3,500	\$2.4900	\$17.50
I	S	OPP	S0247674	3/1/18	3/1/18	TCO	WV	14	\$2.5000	\$0.56
I	S	OPP	S0247626	3/1/18	3/1/18	TCO	WV	10,000	\$2.5200	\$100.00
I	S	OPP	S0247612	3/1/18	3/1/18	TCO	WV	5,000	\$2.5200	\$12.50
I	S	OPP	S0247613	3/1/18	3/1/18	TCO	WV	10,000	\$2.5200	\$25.00
I	S	OPP	S0247536	3/1/18	3/1/18	TCO	WV	5,000	\$2.4900	\$550.00
I	S	OPP	S0247644	3/1/18	3/1/18	TCO	WV	5,000	\$2.4800	\$50.00
I	S	OPP	S0247645	3/1/18	3/1/18	TCO	WV	5,000	\$2.4800	\$50.00
I	S	OPP	S0247646	3/1/18	3/1/18	TCO	WV	10,000	\$2.4800	\$100.00
I	S	OPP	S0247648	3/1/18	3/1/18	TCO	WV	5,000	\$2.5100	\$200.00
I	S	OPP	S0247640	3/1/18	3/1/18	TCO	WV	14,100	\$2.5000	\$423.00
I	S	OPP	S0247642	3/1/18	3/1/18	TCO	WV	10,000	\$2.4800	\$100.00
I	S	OPP	S0247643	3/1/18	3/1/18	TCO	WV	5,000	\$2.4800	\$50.00
I	S	OPP	S0247655	3/1/18	3/1/18	TCO	WV	10,000	\$2.5000	\$1,885.00
I	S	OPP	S0247660	3/1/18	3/1/18	TCO	WV	3,600	\$2.5350	\$804.60
I	S	OPP	S0247685	3/1/18	3/1/18	TCO	WV	30,000	\$2.3700	\$1,755.00
I	S	OPP	S0247638	3/1/18	3/1/18	TCO	WV	4,200	\$2.4450	\$560.70
I	S	OPP	S0247639	3/1/18	3/1/18	TCO	WV	15,000	\$2.4400	\$1,927.50
I	S	OPP	S0247569	3/1/18	3/1/18	TCO	WV	5,000	\$2.5125	\$1,005.00
I	S	OPP	S0247585	3/1/18	3/1/18	TCO	WV	500	\$2.6050	\$146.75
I	S	OPP	S0247586	3/1/18	3/1/18	TCO	WV	4,500	\$2.6050	\$1,320.75
I	S	OPP	S0247587	3/1/18	3/1/18	TCO	WV	5,000	\$2.6050	\$1,467.50
I	S	OPP	S0247604	3/1/18	3/1/18	TCO	WV	5,000	\$2.6000	\$1,442.50
I	S	OPP	S0247605	3/1/18	3/1/18	TCO	WV	2,900	\$2.6050	\$851.15
I	S	OPP	S0247606	3/1/18	3/1/18	TCO	WV	5,000	\$2.6050	\$1,467.50
I	S	OPP	S0247608	3/1/18	3/1/18	TCO	WV	500	\$2.6275	\$158.00
I	S	OPP	S0247545	3/1/18	3/1/18	TCO	WV	5,000	\$2.5000	\$942.50
I	S	OPP	S0247546	3/1/18	3/1/18	TCO	WV	5,000	\$2.5000	\$942.50
I	S	OPP	S0247554	3/1/18	3/1/18	TCO	WV	1,700	\$2.5300	\$371.45
I	S	OPP	S0247562	3/1/18	3/1/18	TCO	WV	5,000	\$2.5275	\$1,080.00
I	S	OPP	S0247566	3/1/18	3/1/18	TCO	WV	5,000	\$2.5050	\$967.50
I	S	OPP	S0247567	3/1/18	3/1/18	TCO	WV	1,000	\$2.5050	\$193.50
I	S	OPP	S0247568	3/1/18	3/1/18	TCO	WV	500	\$2.5050	\$96.75

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

											Sales Amounts		Current Month Proration			
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	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

APRIL 2018

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

		Apr-18	
<u>Ln.</u>	<u>PBR Component Description</u>		
1	CPS = (TPBR) x ASP	\$33,252.76	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$181,754.37</u>	50% of remainder
3	Total Company Performance Share	\$215,007.13	
4	TCI (includes Marketed CapR)	\$445,560.47	
5	GCI	\$19,034.57	
6	OSSI		
	Sales	\$1,418.49	
	Exch (1)	\$8,337.75	
7	TPBR = (TCI+GCI+OSSI)	\$474,351.28	
8	AGC (**Total Gas Cost)	\$5,542,126.54	
	Sys Supply Purch	\$3,995,745.15	
	Core (est)	\$80,403.20	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,465,978.19	
9	2% of AGC	\$110,842.53	tell
10	PAC = (TPBR) / AGC	8.56%	

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-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	95,440	\$6.0650	Demand Vol @ Max Rate	\$578,843.60
		TCO	81540	SST	15,000	\$6.0650	Demand Vol @ Max Rate	<u>\$90,975.00</u>
								\$979,379.23
CKY COST	(TATC)	Tenn	308956	FTA	20,506	<u>Disc Rate</u> \$4.5835	Demand Vol @ Disc Rate	\$94,001.56
		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		TCO	SST		0	\$0.0000		<u>\$0.00</u>
								\$556,192.96
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,980.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,925.40
Marketed Cap Release		CKT	FTS		0	\$0.0000		\$5,779.20

Total TCI **\$445,560.47**

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-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)					
4/1/18	\$2.5000	\$2.5500	\$2.6200	\$2.5450	\$2.5900	\$2.6550	\$2.4200	\$2.5100	\$2.5900	\$2.4883	\$2.5500	\$2.6217
4/2/18	\$2.5000	\$2.5500	\$2.6200	\$2.5450	\$2.5900	\$2.6550	\$2.4200	\$2.5100	\$2.5900	\$2.4883	\$2.5500	\$2.6217
4/3/18	\$2.5000	\$2.5500	\$2.6200	\$2.5150	\$2.5750	\$2.6100	\$2.6100	\$2.6300	\$2.6700	\$2.5417	\$2.5850	\$2.6333
4/4/18	\$2.5000	\$2.5500	\$2.6200	\$2.5650	\$2.6100	\$2.6550	\$2.6100	\$2.6300	\$2.6700	\$2.5583	\$2.5967	\$2.6483
4/5/18	\$2.5000	\$2.5500	\$2.6200	\$2.6100	\$2.6800	\$2.7150	\$2.6100	\$2.6300	\$2.6700	\$2.5733	\$2.6200	\$2.6683
4/6/18	\$2.5000	\$2.5500	\$2.6200	\$2.6150	\$2.6600	\$2.6700	\$2.6100	\$2.6300	\$2.6700	\$2.5750	\$2.6133	\$2.6533
4/7/18	\$2.5000	\$2.5500	\$2.6200	\$2.6350	\$2.6650	\$2.6850	\$2.6100	\$2.6300	\$2.6700	\$2.5817	\$2.6150	\$2.6583
4/8/18	\$2.5000	\$2.5500	\$2.6200	\$2.6350	\$2.6650	\$2.6850	\$2.6100	\$2.6300	\$2.6700	\$2.5817	\$2.6150	\$2.6583
4/9/18	\$2.5000	\$2.5500	\$2.6200	\$2.6350	\$2.6650	\$2.6850	\$2.6100	\$2.6300	\$2.6700	\$2.5817	\$2.6150	\$2.6583
4/10/18	\$2.5000	\$2.5500	\$2.6200	\$2.5700	\$2.6350	\$2.6700	\$2.5300	\$2.6000	\$2.6900	\$2.5333	\$2.5950	\$2.6600
4/11/18	\$2.5000	\$2.5500	\$2.6200	\$2.5400	\$2.6000	\$2.6500	\$2.5300	\$2.6000	\$2.6900	\$2.5233	\$2.5833	\$2.6533
4/12/18	\$2.5000	\$2.5500	\$2.6200	\$2.5000	\$2.5600	\$2.6500	\$2.5300	\$2.6000	\$2.6900	\$2.5100	\$2.5700	\$2.6533
4/13/18	\$2.5000	\$2.5500	\$2.6200	\$2.4800	\$2.5450	\$2.6200	\$2.5300	\$2.6000	\$2.6900	\$2.5033	\$2.5650	\$2.6433
4/14/18	\$2.5000	\$2.5500	\$2.6200	\$2.5450	\$2.6250	\$2.7150	\$2.5300	\$2.6000	\$2.6900	\$2.5250	\$2.5917	\$2.6750
4/15/18	\$2.5000	\$2.5500	\$2.6200	\$2.5450	\$2.6250	\$2.7150	\$2.5300	\$2.6000	\$2.6900	\$2.5250	\$2.5917	\$2.6750
4/16/18	\$2.5000	\$2.5500	\$2.6200	\$2.5450	\$2.6250	\$2.7150	\$2.5300	\$2.6000	\$2.6900	\$2.5250	\$2.5917	\$2.6750
4/17/18	\$2.5000	\$2.5500	\$2.6200	\$2.6800	\$2.7300	\$2.7700	\$2.6000	\$2.6600	\$2.7500	\$2.5933	\$2.6467	\$2.7133
4/18/18	\$2.5000	\$2.5500	\$2.6200	\$2.6250	\$2.6900	\$2.7550	\$2.6000	\$2.6600	\$2.7500	\$2.5750	\$2.6333	\$2.7083
4/19/18	\$2.5000	\$2.5500	\$2.6200	\$2.6850	\$2.7500	\$2.8050	\$2.6000	\$2.6600	\$2.7500	\$2.5950	\$2.6533	\$2.7250
4/20/18	\$2.5000	\$2.5500	\$2.6200	\$2.6000	\$2.6400	\$2.6850	\$2.6000	\$2.6600	\$2.7500	\$2.5667	\$2.6167	\$2.6850
4/21/18	\$2.5000	\$2.5500	\$2.6200	\$2.5100	\$2.5750	\$2.6600	\$2.6000	\$2.6600	\$2.7500	\$2.5367	\$2.5950	\$2.6767
4/22/18	\$2.5000	\$2.5500	\$2.6200	\$2.5100	\$2.5750	\$2.6600	\$2.6000	\$2.6600	\$2.7500	\$2.5367	\$2.5950	\$2.6767
4/23/18	\$2.5000	\$2.5500	\$2.6200	\$2.5100	\$2.5750	\$2.6600	\$2.6000	\$2.6600	\$2.7500	\$2.5367	\$2.5950	\$2.6767
4/24/18	\$2.5000	\$2.5500	\$2.6200	\$2.5650	\$2.6150	\$2.6600	\$2.5700	\$2.6300	\$2.6800	\$2.5450	\$2.5983	\$2.6533
4/25/18	\$2.5000	\$2.5500	\$2.6200	\$2.5650	\$2.6400	\$2.6950	\$2.5700	\$2.6300	\$2.6800	\$2.5450	\$2.6067	\$2.6650
4/26/18	\$2.5000	\$2.5500	\$2.6200	\$2.5750	\$2.6400	\$2.7050	\$2.5700	\$2.6300	\$2.6800	\$2.5483	\$2.6067	\$2.6683
4/27/18	\$2.5000	\$2.5500	\$2.6200	\$2.5850	\$2.6600	\$2.7150	\$2.5700	\$2.6300	\$2.6800	\$2.5517	\$2.6133	\$2.6717
4/28/18	\$2.5000	\$2.5500	\$2.6200	\$2.5450	\$2.6100	\$2.6700	\$2.5700	\$2.6300	\$2.6800	\$2.5383	\$2.5967	\$2.6567
4/29/18	\$2.5000	\$2.5500	\$2.6200	\$2.5450	\$2.6100	\$2.6700	\$2.5700	\$2.6300	\$2.6800	\$2.5383	\$2.5967	\$2.6567
4/30/18	\$2.5000	\$2.5500	\$2.6200	\$2.5450	\$2.6100	\$2.6700	\$2.5700	\$2.6300	\$2.6800	\$2.5383	\$2.5967	\$2.6567
Avg Rate	\$2.5000	\$2.5500	\$2.6200	\$2.5690	\$2.6278	\$2.6843	\$2.5670	\$2.6220	\$2.6903	\$2.5453	\$2.5999	\$2.6649

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,577,310	\$3,995,745.15	\$4,014,779.72	\$19,034.57
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$19,034.57

COLUMBIA GAS OF KENTUCKY

SALES Activity Booking Report

Apr-18

DATA * STATUS	SALES TYPE **	SALES CATEGORY	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS		MARGIN
								Sales Amounts		
								VOLUMES INVOICED	SALES RATE	
								Dth	\$/Dth	
I	S	OPP	S0247949	4/1/18	4/1/18	TCO	WV	5,000	\$2.5825	\$37.50
I	S	OPP	S0247987	4/1/18	4/1/18	TCO	WV	5,000	\$2.6425	\$62.50
I	S	OPP	S0247816	4/1/18	4/1/18	TCO	WV	5,000	\$2.5650	\$62.50
I	S	OPP	S0247817	4/1/18	4/1/18	TCO	WV	4,700	\$2.5600	\$94.00
I	S	OPP	S0247818	4/1/18	4/1/18	TCO	WV	5,000	\$2.5600	\$37.50
I	S	OPP	S0247857	4/1/18	4/1/18	TCO	WV	5,400	\$2.5600	\$94.50
I	S	OPP	S0247859	4/1/18	4/1/18	TCO	WV	25,500	\$2.5700	\$751.49
I	S	OPP	S0247862	4/1/18	4/1/18	TCO	WV	1,200	\$2.6100	\$9.00
I	S	OPP	S0247914	4/1/18	4/1/18	TCO	WV	600	\$2.6200	\$6.00
I	S	OPP	S0247915	4/1/18	4/1/18	TCO	WV	5,000	\$2.6100	\$37.50
I	S	OPP	S0247921	4/1/18	4/1/18	TCO	WV	15,000	\$2.5375	\$37.50
I	S	OPP	S0247942	4/1/18	4/1/18	TCO	WV	10,000	\$2.5600	\$100.00
I	S	OPP	S0247948	4/1/18	4/1/18	TCO	WV	5,000	\$2.5825	\$88.50
								92,400		\$1,418.49

COLUMBIA GAS OF KENTUCKY
Off-System EXCHANGE Activity Report
Apr-18

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	INVOICE MONTH	# OF	# OF	DELIVERY POINT	STATE	Sales Amounts			Current Month Proration		
				FLOW	FLOW		MONTHS	MONTHS		OF	VOLUMES	SALES	TOTAL	TRANSPORT	TOTAL	PRE-TAX
				DATE	DATE		IN TERM	EXPIRED		SALE	Dth	\$/Dth	SALE	COST	SALE	MARGIN
E	E	OPP	S0247015	4/1/18	1/1/18	4/1/18	4	4	TCO	WV	30000	\$0.3500	\$10,500.00	\$0.00	\$2,625.00	\$2,625.00
E	E	OPP	S0247027	4/1/18	1/1/18	4/1/18	4	4	TCO	WV	30,000	\$0.4000	\$12,000.00	\$0.00	\$3,000.00	\$3,000.00
E	E	OPP	S0247689	4/1/18	3/1/18	4/1/18	2	2	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	2	TCO	WV	45,000	\$0.0350	\$1,575.00	\$0.00	\$393.75	\$393.75
E	E	OPP	S0247698	3/1/18		6/1/18	4	2	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	2	TCO	WV	31,000	\$0.1200	\$3,720.00	\$0.00	\$744.00	\$744.00
											241,000		\$31,845.00		\$8,337.75	\$8,337.75

MAY 2018

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

		May-18	
<u>Ln.</u>	<u>PBR Component Description</u>		
1	CPS = (TPBR) x ASP	\$34,063.79	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$195,887.25</u>	50% of remainder
3	Total Company Performance Share	\$229,951.04	
4	TCI (includes Marketed CapR)	\$450,427.75	
5	GCI	\$50,590.75	
6	OSSI		
	Sales	\$2,714.21	
	Exch (1)	\$1,587.75	
7	TPBR = (TCI+GCI+OSSI)	\$505,320.46	
8	AGC (**Total Gas Cost)	\$5,677,297.87	
	Sys Supply Purch	\$4,244,030.82	
	Core (est)	\$31,938.19	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,401,328.86	
			tell
9	2% of AGC	\$113,545.96	
10	PAC = (TPBR) / AGC		8.90%

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-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	95,440	\$6.1270	Demand Vol @ Max Rate	\$584,760.88
		TCO	81540	SST	15,000	\$6.1270	Demand Vol @ Max Rate	<u>\$91,905.00</u>
								\$986,226.51
CKY COST	(TATC)	Tenn	308956	FTA	20,506	<u>Disc Rate</u> \$4.5841	Demand Vol @ Disc Rate	\$94,001.56
		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		TCO	SST		0	\$0.0000		<u>\$0.00</u>
								\$556,192.96
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,925.40
Marketed Cap Release		CKT	FTS		0	\$0.0000		\$5,779.20

Total TCI **\$450,427.75**

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-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
5/1/18	\$2.6100	\$2.6700	\$2.7600	\$2.4700	\$2.5500	\$2.6300	\$2.5100	\$2.5400	\$2.6600	\$2.5300	\$2.5867	\$2.6833
5/2/18	\$2.6100	\$2.6700	\$2.7600	\$2.5400	\$2.6450	\$2.7200	\$2.5100	\$2.5400	\$2.6600	\$2.5533	\$2.6183	\$2.7133
5/3/18	\$2.6100	\$2.6700	\$2.7600	\$2.5150	\$2.6100	\$2.6900	\$2.5100	\$2.5400	\$2.6600	\$2.5450	\$2.6067	\$2.7033
5/4/18	\$2.6100	\$2.6700	\$2.7600	\$2.4350	\$2.5400	\$2.6450	\$2.5100	\$2.5400	\$2.6600	\$2.5183	\$2.5833	\$2.6883
5/5/18	\$2.6100	\$2.6700	\$2.7600	\$2.4250	\$2.5100	\$2.6550	\$2.5100	\$2.5400	\$2.6600	\$2.5150	\$2.5733	\$2.6917
5/6/18	\$2.6100	\$2.6700	\$2.7600	\$2.4250	\$2.5100	\$2.6550	\$2.5100	\$2.5400	\$2.6600	\$2.5150	\$2.5733	\$2.6917
5/7/18	\$2.6100	\$2.6700	\$2.7600	\$2.4250	\$2.5100	\$2.6550	\$2.5100	\$2.5400	\$2.6600	\$2.5150	\$2.5733	\$2.6917
5/8/18	\$2.6100	\$2.6700	\$2.7600	\$2.4950	\$2.5750	\$2.6850	\$2.5200	\$2.6100	\$2.7100	\$2.5417	\$2.6183	\$2.7183
5/9/18	\$2.6100	\$2.6700	\$2.7600	\$2.4900	\$2.5750	\$2.6750	\$2.5200	\$2.6100	\$2.7100	\$2.5400	\$2.6183	\$2.7150
5/10/18	\$2.6100	\$2.6700	\$2.7600	\$2.5000	\$2.5900	\$2.6850	\$2.5200	\$2.6100	\$2.7100	\$2.5433	\$2.6233	\$2.7183
5/11/18	\$2.6100	\$2.6700	\$2.7600	\$2.5200	\$2.5900	\$2.7150	\$2.5200	\$2.6100	\$2.7100	\$2.5500	\$2.6233	\$2.7283
5/12/18	\$2.6100	\$2.6700	\$2.7600	\$2.5400	\$2.6100	\$2.7550	\$2.5200	\$2.6100	\$2.7100	\$2.5567	\$2.6300	\$2.7417
5/13/18	\$2.6100	\$2.6700	\$2.7600	\$2.5400	\$2.6100	\$2.7550	\$2.5200	\$2.6100	\$2.7100	\$2.5567	\$2.6300	\$2.7417
5/14/18	\$2.6100	\$2.6700	\$2.7600	\$2.5400	\$2.6100	\$2.7550	\$2.5200	\$2.6100	\$2.7100	\$2.5567	\$2.6300	\$2.7417
5/15/18	\$2.6100	\$2.6700	\$2.7600	\$2.6350	\$2.6900	\$2.7750	\$2.6300	\$2.6700	\$2.7600	\$2.6250	\$2.6767	\$2.7650
5/16/18	\$2.6100	\$2.6700	\$2.7600	\$2.6800	\$2.7250	\$2.7850	\$2.6300	\$2.6700	\$2.7600	\$2.6400	\$2.6883	\$2.7683
5/17/18	\$2.6100	\$2.6700	\$2.7600	\$2.6100	\$2.6650	\$2.7500	\$2.6300	\$2.6700	\$2.7600	\$2.6167	\$2.6683	\$2.7567
5/18/18	\$2.6100	\$2.6700	\$2.7600	\$2.5550	\$2.6150	\$2.7250	\$2.6300	\$2.6700	\$2.7600	\$2.5983	\$2.6517	\$2.7483
5/19/18	\$2.6100	\$2.6700	\$2.7600	\$2.6050	\$2.6450	\$2.7650	\$2.6300	\$2.6700	\$2.7600	\$2.6150	\$2.6617	\$2.7617
5/20/18	\$2.6100	\$2.6700	\$2.7600	\$2.6050	\$2.6450	\$2.7650	\$2.6300	\$2.6700	\$2.7600	\$2.6150	\$2.6617	\$2.7617
5/21/18	\$2.6100	\$2.6700	\$2.7600	\$2.6050	\$2.6450	\$2.7650	\$2.6300	\$2.6700	\$2.7600	\$2.6150	\$2.6617	\$2.7617
5/22/18	\$2.6100	\$2.6700	\$2.7600	\$2.6350	\$2.6650	\$2.7500	\$2.7200	\$2.7600	\$2.8300	\$2.6550	\$2.6983	\$2.7800
5/23/18	\$2.6100	\$2.6700	\$2.7600	\$2.6750	\$2.7400	\$2.8050	\$2.7200	\$2.7600	\$2.8300	\$2.6683	\$2.7233	\$2.7983
5/24/18	\$2.6100	\$2.6700	\$2.7600	\$2.7850	\$2.8100	\$2.8650	\$2.7200	\$2.7600	\$2.8300	\$2.7050	\$2.7467	\$2.8183
5/25/18	\$2.6100	\$2.6700	\$2.7600	\$2.7600	\$2.8000	\$2.8750	\$2.7200	\$2.7600	\$2.8300	\$2.6967	\$2.7433	\$2.8217
5/26/18	\$2.6100	\$2.6700	\$2.7600	\$2.7100	\$2.7450	\$2.8600	\$2.7200	\$2.7600	\$2.8300	\$2.6800	\$2.7250	\$2.8167
5/27/18	\$2.6100	\$2.6700	\$2.7600	\$2.7100	\$2.7450	\$2.8600	\$2.7200	\$2.7600	\$2.8300	\$2.6800	\$2.7250	\$2.8167
5/28/18	\$2.6100	\$2.6700	\$2.7600	\$2.7100	\$2.7450	\$2.8600	\$2.7200	\$2.7600	\$2.8300	\$2.6800	\$2.7250	\$2.8167
5/29/18	\$2.6100	\$2.6700	\$2.7600	\$2.7100	\$2.7450	\$2.8600	\$2.6900	\$2.7300	\$2.8600	\$2.6700	\$2.7150	\$2.8267
5/30/18	\$2.6100	\$2.6700	\$2.7600	\$2.6450	\$2.6750	\$2.8050	\$2.6900	\$2.7300	\$2.8600	\$2.6483	\$2.6917	\$2.8083
5/31/18	\$2.6100	\$2.6700	\$2.7600	\$2.6500	\$2.6850	\$2.8350	\$2.6900	\$2.7300	\$2.8600	\$2.6500	\$2.6950	\$2.8183
Avg Rate	\$2.6100	\$2.6700	\$2.7600	\$2.5853	\$2.6458	\$2.7542	\$2.6042	\$2.6532	\$2.7516	\$2.5998	\$2.6563	\$2.7553

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,651,880	\$4,244,030.82	\$4,294,621.57	\$50,590.75
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$50,590.75

COLUMBIA GAS OF KENTUCKY

SALES Activity Booking Report

May-18

DATA * <u>STATUS</u>	SALES <u>TYPE **</u>	SALES <u>CATEGORY</u>	<u>SALES ID</u>	RECEIPT FLOW <u>DATE</u>	DELIVERY FLOW <u>DATE</u>	DELIVERY <u>POINT</u>	STATE OF <u>SALE</u>	INVOICED SALES AMOUNTS			MARGIN
								Sales Amounts			
								VOLUMES <u>INVOICED</u>	SALES <u>RATE</u>	TOTAL <u>SALE</u>	
Dth	\$/Dth	\$									
I	S	OPP	S0248197	5/1/18	5/1/18	TCO	WV	5,600	\$2.6400	\$14,784.00	\$182.00
I	S	OPP	S0248215	5/1/18	5/1/18	TCO	WV	1,700	\$2.7100	\$4,607.00	\$55.25
I	S	OPP	S0248087	5/1/18	5/1/18	TCO	WV	9,800	\$2.5475	\$24,965.50	\$73.50
I	S	OPP	S0248094	5/1/18	5/1/18	TCO	WV	15,000	\$2.5475	\$38,212.50	\$112.50
I	S	OPP	S0248095	5/1/18	5/1/18	TCO	WV	11,400	\$2.5475	\$29,041.50	\$167.24
I	S	OPP	S0248096	5/1/18	5/1/18	TCO	WV	11,100	\$2.5475	\$28,277.25	\$142.97
I	S	OPP	S0248097	5/1/18	5/1/18	TCO	WV	22,500	\$2.5475	\$57,318.75	\$168.75
I	S	OPP	S0248098	5/1/18	5/1/18	TCO	WV	21,900	\$2.5475	\$55,790.25	\$164.25
I	S	OPP	S0248104	5/1/18	5/1/18	TCO	WV	35,400	\$2.5675	\$90,889.50	\$1,327.50
I	S	OPP	S0248115	5/1/18	5/1/18	TCO	WV	1,000	\$2.6375	\$2,637.50	\$27.50
I	S	OPP	S0248170	5/1/18	5/1/18	TCO	WV	5,000	\$2.6100	\$13,050.00	\$12.50
I	S	OPP	S0248171	5/1/18	5/1/18	TCO	WV	5,000	\$2.6100	\$13,050.00	\$12.50
I	S	OPP	S0248183	5/1/18	5/1/18	TCO	WV	5,100	\$2.6600	\$13,566.00	\$267.75
			14					150,500		\$386,189.75	\$2,714.21

COLUMBIA GAS OF KENTUCKY
Off-System EXCHANGE Activity Report
May-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	SALES	TOTAL	TRANSPORT	TOTAL	MARGIN
											Dth	RATE \$/Dth	SALE \$	COST	SALE	
E	E	OPP	S0247697	3/1/18		6/1/18	4	3	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	3	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	3	TCO	WV	31,000	\$0.1200	\$3,720.00	\$0.00	\$744.00	\$744.00
											106,000		\$7,095.00		\$1,587.75	\$1,587.75

JUNE 2018

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

Flow Period: Jun-18

		Jun-18	
<u>Ln.</u>	<u>PBR Component Description</u>		
1	CPS = (TPBR) x ASP	\$38,281.57	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$196,516.31</u>	50% of remainder
3	Total Company Performance Share	\$234,797.88	
4	TCI (includes Marketed CapR)	\$452,902.75	
5	GCI	\$60,664.17	
6	OSSI		
	Sales	\$5,483.19	
	Exch (1)	\$1,587.75	
7	TPBR = (TCI+GCI+OSSI)	\$520,637.86	
8	AGC (**Total Gas Cost)	\$6,380,262.45	
	Sys Supply Purch	\$4,925,128.45	
	Core (est)	\$14,656.25	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,440,477.75	
9	2% of AGC	\$127,605.25	tell
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: Jun-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	95,440	\$6.1270	Demand Vol @ Max Rate	\$584,760.88
		TCO	81540	SST	15,000	\$6.1270	Demand Vol @ Max Rate	<u>\$91,905.00</u>
								\$986,226.51
CKY COST	(TATC)	Tenn	308956	FTA	20,506	<u>Disc Rate</u> \$4.5841	Demand Vol @ Disc Rate	\$94,001.56
		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		TCO	SST		0	\$0.0000		<u>\$0.00</u>
								\$556,192.96
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$2,475.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,925.40
Marketed Cap Release		CKT	FTS		0	\$0.0000		\$5,779.20
							Total TCI	\$452,902.75

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-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
6/1/18	\$2.6500	\$2.7200	\$2.8100	\$2.6900	\$2.7600	\$2.8650	\$2.6900	\$2.7300	\$2.8600	\$2.6767	\$2.7367	\$2.8450
6/2/18	\$2.6500	\$2.7200	\$2.8100	\$2.6700	\$2.7450	\$2.8750	\$2.6900	\$2.7300	\$2.8600	\$2.6700	\$2.7317	\$2.8483
6/3/18	\$2.6500	\$2.7200	\$2.8100	\$2.6700	\$2.7450	\$2.8750	\$2.6900	\$2.7300	\$2.8600	\$2.6700	\$2.7317	\$2.8483
6/4/18	\$2.6500	\$2.7200	\$2.8100	\$2.6700	\$2.7450	\$2.8750	\$2.6900	\$2.7300	\$2.8600	\$2.6700	\$2.7317	\$2.8483
6/5/18	\$2.6500	\$2.7200	\$2.8100	\$2.6850	\$2.7400	\$2.8450	\$2.7300	\$2.7500	\$2.8000	\$2.6883	\$2.7367	\$2.8183
6/6/18	\$2.6500	\$2.7200	\$2.8100	\$2.6600	\$2.6950	\$2.8050	\$2.7300	\$2.7500	\$2.8000	\$2.6800	\$2.7217	\$2.8050
6/7/18	\$2.6500	\$2.7200	\$2.8100	\$2.6600	\$2.6950	\$2.7900	\$2.7300	\$2.7500	\$2.8000	\$2.6800	\$2.7217	\$2.8000
6/8/18	\$2.6500	\$2.7200	\$2.8100	\$2.7750	\$2.8200	\$2.8500	\$2.7300	\$2.7500	\$2.8000	\$2.7183	\$2.7633	\$2.8200
6/9/18	\$2.6500	\$2.7200	\$2.8100	\$2.7400	\$2.7700	\$2.8050	\$2.7300	\$2.7500	\$2.8000	\$2.7067	\$2.7467	\$2.8050
6/10/18	\$2.6500	\$2.7200	\$2.8100	\$2.7400	\$2.7700	\$2.8050	\$2.7300	\$2.7500	\$2.8000	\$2.7067	\$2.7467	\$2.8050
6/11/18	\$2.6500	\$2.7200	\$2.8100	\$2.7400	\$2.7700	\$2.8050	\$2.7300	\$2.7500	\$2.8000	\$2.7067	\$2.7467	\$2.8050
6/12/18	\$2.6500	\$2.7200	\$2.8100	\$2.8000	\$2.8400	\$2.8650	\$2.8300	\$2.8400	\$2.8900	\$2.7600	\$2.8000	\$2.8550
6/13/18	\$2.6500	\$2.7200	\$2.8100	\$2.7900	\$2.7800	\$2.8500	\$2.8300	\$2.8400	\$2.8900	\$2.7567	\$2.7800	\$2.8500
6/14/18	\$2.6500	\$2.7200	\$2.8100	\$2.8150	\$2.8250	\$2.8800	\$2.8300	\$2.8400	\$2.8900	\$2.7650	\$2.7950	\$2.8600
6/15/18	\$2.6500	\$2.7200	\$2.8100	\$2.8150	\$2.8200	\$2.8650	\$2.8300	\$2.8400	\$2.8900	\$2.7650	\$2.7933	\$2.8550
6/16/18	\$2.6500	\$2.7200	\$2.8100	\$2.8450	\$2.8850	\$2.9500	\$2.8300	\$2.8400	\$2.8900	\$2.7750	\$2.8150	\$2.8833
6/17/18	\$2.6500	\$2.7200	\$2.8100	\$2.8450	\$2.8850	\$2.9500	\$2.8300	\$2.8400	\$2.8900	\$2.7750	\$2.8150	\$2.8833
6/18/18	\$2.6500	\$2.7200	\$2.8100	\$2.8450	\$2.8850	\$2.9500	\$2.8300	\$2.8400	\$2.8900	\$2.7750	\$2.8150	\$2.8833
6/19/18	\$2.6500	\$2.7200	\$2.8100	\$2.8250	\$2.8750	\$2.9350	\$2.8200	\$2.8300	\$2.8900	\$2.7650	\$2.8083	\$2.8783
6/20/18	\$2.6500	\$2.7200	\$2.8100	\$2.7700	\$2.8000	\$2.8450	\$2.8200	\$2.8300	\$2.8900	\$2.7467	\$2.7833	\$2.8483
6/21/18	\$2.6500	\$2.7200	\$2.8100	\$2.8200	\$2.8450	\$2.9000	\$2.8200	\$2.8300	\$2.8900	\$2.7633	\$2.7983	\$2.8667
6/22/18	\$2.6500	\$2.7200	\$2.8100	\$2.8550	\$2.8500	\$2.9050	\$2.8200	\$2.8300	\$2.8900	\$2.7750	\$2.8000	\$2.8683
6/23/18	\$2.6500	\$2.7200	\$2.8100	\$2.7900	\$2.8050	\$2.8700	\$2.8200	\$2.8300	\$2.8900	\$2.7533	\$2.7850	\$2.8567
6/24/18	\$2.6500	\$2.7200	\$2.8100	\$2.7900	\$2.8050	\$2.8700	\$2.8200	\$2.8300	\$2.8900	\$2.7533	\$2.7850	\$2.8567
6/25/18	\$2.6500	\$2.7200	\$2.8100	\$2.7900	\$2.8050	\$2.8700	\$2.8200	\$2.8300	\$2.8900	\$2.7533	\$2.7850	\$2.8567
6/26/18	\$2.6500	\$2.7200	\$2.8100	\$2.7950	\$2.7950	\$2.8700	\$2.8400	\$2.8500	\$2.9200	\$2.7617	\$2.7883	\$2.8667
6/27/18	\$2.6500	\$2.7200	\$2.8100	\$2.7850	\$2.8050	\$2.8700	\$2.8400	\$2.8500	\$2.9200	\$2.7583	\$2.7917	\$2.8667
6/28/18	\$2.6500	\$2.7200	\$2.8100	\$2.8250	\$2.8600	\$2.9350	\$2.8400	\$2.8500	\$2.9200	\$2.7717	\$2.8100	\$2.8883
6/29/18	\$2.6500	\$2.7200	\$2.8100	\$2.8700	\$2.8900	\$2.9600	\$2.8400	\$2.8500	\$2.9200	\$2.7867	\$2.8200	\$2.8967
6/30/18	\$2.6500	\$2.7200	\$2.8100	\$2.8700	\$2.8900	\$2.9600	\$2.8400	\$2.8500	\$2.9200	\$2.7867	\$2.8200	\$2.8967
Avg Rate	\$2.6500	\$2.7200	\$2.8100	\$2.7747	\$2.8067	\$2.8765	\$2.7873	\$2.8037	\$2.8700	\$2.7373	\$2.7768	\$2.8522

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,821,405	\$4,925,128.45	\$4,985,792.62	\$60,664.17
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$60,664.17

COLUMBIA GAS OF KENTUCKY

SALES Activity Booking Report

Jun-18

DATA * STATUS	SALES TYPE **	SALES CATEGORY	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
								Sales Amounts			
								VOLUMES INVOICED	SALES RATE	TOTAL SALE	
	Dth	\$/Dth	\$								
I	S	OPP	S0248574	6/1/18	6/1/18	TCO	WV	15,600	\$2.8600	\$44,616.00	\$494.05
I	S	OPP	S0248606	6/1/18	6/1/18	TCO	WV	1,100	\$2.8350	\$3,118.50	\$5.50
I	S	OPP	S0248607	6/1/18	6/1/18	TCO	WV	3,900	\$2.8350	\$11,056.50	\$19.50
I	S	OPP	S0248693	6/1/18	6/1/18	TCO	WV	8,200	\$2.8500	\$23,370.00	\$41.00
I	S	OPP	S0248696	6/1/18	6/1/18	TCO	WV	10,000	\$2.8500	\$28,500.00	\$173.00
I	S	OPP	S0248698	6/1/18	6/1/18	TCO	WV	10,000	\$2.8600	\$28,600.00	\$324.00
I	S	OPP	S0248705	6/1/18	6/1/18	TCO	WV	10,000	\$2.8725	\$28,725.00	\$512.70
I	S	OPP	S0248715	6/1/18	6/1/18	TCO	WV	800	\$2.8650	\$2,292.00	\$36.00
I	S	OPP	S0248716	6/1/18	6/1/18	TCO	WV	4,200	\$2.8250	\$11,865.00	\$21.00
I	S	OPP	S0248377	6/1/18	6/1/18	TCO	WV	4,300	\$2.7225	\$11,706.75	\$150.50
I	S	OPP	S0248378	6/1/18	6/1/18	TCO	WV	9,400	\$2.7225	\$25,591.50	\$329.00
I	S	OPP	S0248379	6/1/18	6/1/18	TCO	WV	5,100	\$2.7225	\$13,884.75	\$178.50
I	S	OPP	S0248381	6/1/18	6/1/18	TCO	WV	5,000	\$2.6550	\$13,275.00	\$25.00
I	S	OPP	S0248402	6/1/18	6/1/18	TCO	WV	26,000	\$2.6650	\$69,290.00	\$225.94
I	S	OPP	S0248431	6/1/18	6/1/18	TCO	WV	5,000	\$2.9975	\$14,987.50	\$1,112.50
I	S	OPP	S0248435	6/1/18	6/1/18	TCO	WV	5,000	\$2.9450	\$14,725.00	\$850.00
I	S	OPP	S0248450	6/1/18	6/1/18	TCO	WV	5,000	\$2.8875	\$14,437.50	\$262.50
I	S	OPP	S0248452	6/1/18	6/1/18	TCO	WV	5,000	\$2.8975	\$14,487.50	\$312.50
I	S	OPP	S0248453	6/1/18	6/1/18	TCO	WV	5,000	\$2.9150	\$14,575.00	\$400.00
I	S	OPP	S0248561	6/1/18	6/1/18	TCO	WV	500	\$2.8500	\$1,425.00	\$10.00
								139,100		\$390,528.50	\$5,483.19

COLUMBIA GAS OF KENTUCKY
Off-System EXCHANGE Activity Report
Jun-18

											Sales Amounts		Current Month Proration			
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	VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	TOTAL SALE	PRE-TAX MARGIN
E	E	OPP	S0247697	3/1/18	6/1/18	6/1/18	4	4	TCO	WV	45000	\$0.0350	\$1,575.00	\$0.00	\$393.75	\$393.75
E	E	OPP	S0247698	3/1/18	6/1/18	6/1/18	4	4	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	4	TCO	WV	31,000	\$0.1200	\$3,720.00	\$0.00	\$744.00	\$744.00
											106,000		\$7,095.00		\$1,587.75	\$1,587.75

JULY 2018

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

		Jul-18	
<u>Ln.</u>	<u>PBR Component Description</u>		
1	CPS = (TPBR) x ASP	\$41,343.42	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$177,748.20</u>	50% of remainder
3	Total Company Performance Share	\$219,091.62	
4	TCI (includes Marketed CapR)	\$452,287.75	
5	GCI	\$34,718.56	
6	OSSI		
	Sales	\$57.50	
	Exch (1)	\$6,244.00	
7	TPBR = (TCI+GCI+OSSI)	\$493,307.81	
8	AGC (**Total Gas Cost)	\$6,890,570.56	
	Sys Supply Purch	\$5,432,708.62	
	Core (est)	\$13,632.84	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,444,229.10	
9	2% of AGC	\$137,811.41	tell
10	PAC = (TPBR) / AGC	7.16%	

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: Jul-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	95,440	\$6.1270	Demand Vol @ Max Rate	\$584,760.88
		TCO	81540	SST	15,000	\$6.1270	Demand Vol @ Max Rate	<u>\$91,905.00</u>
								\$986,226.51
CKY COST	(TATC)	Tenn	308956	FTA	20,506	<u>Disc Rate</u> \$4.5841	Demand Vol @ Disc Rate	\$94,001.56
		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		TCO	SST		0	\$0.0000		<u>\$0.00</u>
								\$556,192.96
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,860.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,925.40
Marketed Cap Release		CKT	FTS		0	\$0.0000		\$5,779.20

Total TCI **\$452,287.75**

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-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)					
7/1/18	\$2.8100	\$2.8400	\$2.9200	\$2.8050	\$2.8000	\$2.8550	\$2.8400	\$2.8500	\$2.9200	\$2.8183	\$2.8300	\$2.8983
7/2/18	\$2.8100	\$2.8400	\$2.9200	\$2.8050	\$2.8000	\$2.8550	\$2.8400	\$2.8500	\$2.9200	\$2.8183	\$2.8300	\$2.8983
7/3/18	\$2.8100	\$2.8400	\$2.9200	\$2.7500	\$2.7700	\$2.8100	\$2.7200	\$2.7300	\$2.7900	\$2.7600	\$2.7800	\$2.8400
7/4/18	\$2.8100	\$2.8400	\$2.9200	\$2.7400	\$2.7500	\$2.8100	\$2.7200	\$2.7300	\$2.7900	\$2.7567	\$2.7733	\$2.8400
7/5/18	\$2.8100	\$2.8400	\$2.9200	\$2.7400	\$2.7500	\$2.8100	\$2.7200	\$2.7300	\$2.7900	\$2.7567	\$2.7733	\$2.8400
7/6/18	\$2.8100	\$2.8400	\$2.9200	\$2.7300	\$2.7350	\$2.7700	\$2.7200	\$2.7300	\$2.7900	\$2.7533	\$2.7683	\$2.8267
7/7/18	\$2.8100	\$2.8400	\$2.9200	\$2.6800	\$2.7100	\$2.7550	\$2.7200	\$2.7300	\$2.7900	\$2.7367	\$2.7600	\$2.8217
7/8/18	\$2.8100	\$2.8400	\$2.9200	\$2.6800	\$2.7100	\$2.7550	\$2.7200	\$2.7300	\$2.7900	\$2.7367	\$2.7600	\$2.8217
7/9/18	\$2.8100	\$2.8400	\$2.9200	\$2.6800	\$2.7100	\$2.7550	\$2.7200	\$2.7300	\$2.7900	\$2.7367	\$2.7600	\$2.8217
7/10/18	\$2.8100	\$2.8400	\$2.9200	\$2.7000	\$2.7600	\$2.7850	\$2.6700	\$2.7200	\$2.7700	\$2.7267	\$2.7733	\$2.8250
7/11/18	\$2.8100	\$2.8400	\$2.9200	\$2.6750	\$2.7350	\$2.7600	\$2.6700	\$2.7200	\$2.7700	\$2.7183	\$2.7650	\$2.8167
7/12/18	\$2.8100	\$2.8400	\$2.9200	\$2.6850	\$2.7200	\$2.7650	\$2.6700	\$2.7200	\$2.7700	\$2.7217	\$2.7600	\$2.8183
7/13/18	\$2.8100	\$2.8400	\$2.9200	\$2.6900	\$2.7300	\$2.7600	\$2.6700	\$2.7200	\$2.7700	\$2.7233	\$2.7633	\$2.8167
7/14/18	\$2.8100	\$2.8400	\$2.9200	\$2.6350	\$2.6800	\$2.7100	\$2.6700	\$2.7200	\$2.7700	\$2.7050	\$2.7467	\$2.8000
7/15/18	\$2.8100	\$2.8400	\$2.9200	\$2.6350	\$2.6800	\$2.7100	\$2.6700	\$2.7200	\$2.7700	\$2.7050	\$2.7467	\$2.8000
7/16/18	\$2.8100	\$2.8400	\$2.9200	\$2.6350	\$2.6800	\$2.7100	\$2.6700	\$2.7200	\$2.7700	\$2.7050	\$2.7467	\$2.8000
7/17/18	\$2.8100	\$2.8400	\$2.9200	\$2.5750	\$2.6250	\$2.7100	\$2.5800	\$2.6200	\$2.7000	\$2.6550	\$2.6950	\$2.7767
7/18/18	\$2.8100	\$2.8400	\$2.9200	\$2.6050	\$2.6450	\$2.7300	\$2.5800	\$2.6200	\$2.7000	\$2.6650	\$2.7017	\$2.7833
7/19/18	\$2.8100	\$2.8400	\$2.9200	\$2.5800	\$2.6200	\$2.6850	\$2.5800	\$2.6200	\$2.7000	\$2.6567	\$2.6933	\$2.7683
7/20/18	\$2.8100	\$2.8400	\$2.9200	\$2.5500	\$2.5700	\$2.6750	\$2.5800	\$2.6200	\$2.7000	\$2.6467	\$2.6767	\$2.7650
7/21/18	\$2.8100	\$2.8400	\$2.9200	\$2.5700	\$2.6200	\$2.7050	\$2.5800	\$2.6200	\$2.7000	\$2.6533	\$2.6933	\$2.7750
7/22/18	\$2.8100	\$2.8400	\$2.9200	\$2.5700	\$2.6200	\$2.7050	\$2.5800	\$2.6200	\$2.7000	\$2.6533	\$2.6933	\$2.7750
7/23/18	\$2.8100	\$2.8400	\$2.9200	\$2.5700	\$2.6200	\$2.7050	\$2.5800	\$2.6200	\$2.7000	\$2.6533	\$2.6933	\$2.7750
7/24/18	\$2.8100	\$2.8400	\$2.9200	\$2.5550	\$2.6150	\$2.6650	\$2.6100	\$2.6500	\$2.7200	\$2.6583	\$2.7017	\$2.7683
7/25/18	\$2.8100	\$2.8400	\$2.9200	\$2.5500	\$2.6050	\$2.6700	\$2.6100	\$2.6500	\$2.7200	\$2.6567	\$2.6983	\$2.7700
7/26/18	\$2.8100	\$2.8400	\$2.9200	\$2.6050	\$2.6550	\$2.7150	\$2.6100	\$2.6500	\$2.7200	\$2.6750	\$2.7150	\$2.7850
7/27/18	\$2.8100	\$2.8400	\$2.9200	\$2.6400	\$2.6700	\$2.7200	\$2.6100	\$2.6500	\$2.7200	\$2.6867	\$2.7200	\$2.7867
7/28/18	\$2.8100	\$2.8400	\$2.9200	\$2.6300	\$2.6650	\$2.7300	\$2.6100	\$2.6500	\$2.7200	\$2.6833	\$2.7183	\$2.7900
7/29/18	\$2.8100	\$2.8400	\$2.9200	\$2.6300	\$2.6650	\$2.7300	\$2.6100	\$2.6500	\$2.7200	\$2.6833	\$2.7183	\$2.7900
7/30/18	\$2.8100	\$2.8400	\$2.9200	\$2.6300	\$2.6650	\$2.7300	\$2.6100	\$2.6500	\$2.7200	\$2.6833	\$2.7183	\$2.7900
7/31/18	\$2.8100	\$2.8400	\$2.9200	\$2.6100	\$2.6650	\$2.7200	\$2.6100	\$2.6500	\$2.7200	\$2.6767	\$2.7183	\$2.7867
Avg Rate	\$2.8100	\$2.8400	\$2.9200	\$2.6495	\$2.6853	\$2.7410	\$2.6565	\$2.6900	\$2.7555	\$2.7053	\$2.7384	\$2.8055

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	2,020,989	\$5,432,708.62	\$5,467,427.18	\$34,718.56
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00

\$34,718.56

COLUMBIA GAS OF KENTUCKY
SALES Activity Booking Report
 Jul-18

DATA * <u>STATUS</u>	SALES <u>TYPE **</u>	SALES <u>CATEGORY</u>	SALES ID	RECEIPT FLOW <u>DATE</u>	DELIVERY FLOW <u>DATE</u>	CDC	DELIVERY POINT	STATE OF <u>SALE</u>	INVOICED SALES AMOUNTS			MARGIN
									<u>VOLUMES</u>	SALES	TOTAL	
									<u>INVOICED</u>	<u>RATE</u>	<u>SALE</u>	
									Dth	\$/Dth	\$	
I	S	OPP	S0248794	7/1/18	7/1/18		TCO	WV	5,000	\$2.6850	\$13,425.00	\$25.00
I	S	OPP	S0248932	7/1/18	7/1/18		TCO	WV	5,000	\$2.6375	\$13,187.50	\$25.00
I	S	OPP	S0248933	7/1/18	7/1/18		TCO	WV	1,500	\$2.6375	\$3,956.25	\$7.50
									11,500		\$30,568.75	\$57.50

COLUMBIA GAS OF KENTUCKY
Off-System EXCHANGE Activity Report
Jul-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	PRE-TAX MARGIN
E	E	OPP	S0247730	3/1/18	7/1/18	7/1/18	5	5	TCO	WV	31,000	\$0.1200	\$3,720.00	\$0.00	\$744.00	\$744.00
E	E	OPP	S0248833		7/1/18	9/1/18	3	1	TCO	WV	150,000	\$0.1100	\$16,500.00	\$0.00	\$5,500.00	\$5,500.00
											181,000		\$20,220.00		\$6,244.00	\$6,244.00

AUGUST 2018

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

		Aug-18	
<u>Ln.</u>	<u>PBR Component Description</u>		
1	CPS = (TPBR) x ASP	\$33,408.46	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$155,290.21</u>	50% of remainder
3	Total Company Performance Share	\$188,698.66	
4	TCI (includes Marketed CapR)	\$452,287.75	
5	GCI	(\$35,845.81)	
6	OSSI		
	Sales	\$0.00	
	Exch (1)	\$5,500.00	
7	TPBR = (TCI+GCI+OSSI)	\$421,941.94	
8	AGC (**Total Gas Cost)	\$5,568,076.38	
	Sys Supply Purch	\$4,123,620.00	
	Core (est)	\$12,918.12	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,431,538.26	
9	2% of AGC	\$111,361.53	tell
10	PAC = (TPBR) / AGC	7.58%	

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-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	95,440	\$6.1270	Demand Vol @ Max Rate	\$584,760.88
		TCO	81540	SST	15,000	\$6.1270	Demand Vol @ Max Rate	<u>\$91,905.00</u>
								\$986,226.51
CKY COST	(TATC)	Tenn	308956	FTA	20,506	<u>Disc Rate</u> \$4.5841	Demand Vol @ Disc Rate	\$94,001.56
		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		TCO	SST		0	\$0.0000		<u>\$0.00</u>
								\$556,192.96
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,860.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,925.40
Marketed Cap Release		CKT	FTS		0	\$0.0000		\$5,779.20
							Total TCI	\$452,287.75

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-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)					
8/1/18	\$2.6200	\$2.6800	\$2.7500	\$2.6500	\$2.7250	\$2.7650	\$2.6600	\$2.7200	\$2.7600	\$2.6433	\$2.7083	\$2.7583
8/2/18	\$2.6200	\$2.6800	\$2.7500	\$2.6200	\$2.6850	\$2.7350	\$2.6600	\$2.7200	\$2.7600	\$2.6333	\$2.6950	\$2.7483
8/3/18	\$2.6200	\$2.6800	\$2.7500	\$2.6400	\$2.7000	\$2.7350	\$2.6600	\$2.7200	\$2.7600	\$2.6400	\$2.7000	\$2.7483
8/4/18	\$2.6200	\$2.6800	\$2.7500	\$2.6850	\$2.7600	\$2.8150	\$2.6600	\$2.7200	\$2.7600	\$2.6550	\$2.7200	\$2.7750
8/5/18	\$2.6200	\$2.6800	\$2.7500	\$2.6850	\$2.7600	\$2.8150	\$2.6600	\$2.7200	\$2.7600	\$2.6550	\$2.7200	\$2.7750
8/6/18	\$2.6200	\$2.6800	\$2.7500	\$2.6850	\$2.7600	\$2.8150	\$2.6600	\$2.7200	\$2.7600	\$2.6550	\$2.7200	\$2.7750
8/7/18	\$2.6200	\$2.6800	\$2.7500	\$2.7350	\$2.8100	\$2.8500	\$2.8000	\$2.8400	\$2.8800	\$2.7183	\$2.7767	\$2.8267
8/8/18	\$2.6200	\$2.6800	\$2.7500	\$2.7750	\$2.8650	\$2.9000	\$2.8000	\$2.8400	\$2.8800	\$2.7317	\$2.7950	\$2.8433
8/9/18	\$2.6200	\$2.6800	\$2.7500	\$2.8300	\$2.8900	\$2.9250	\$2.8000	\$2.8400	\$2.8800	\$2.7500	\$2.8033	\$2.8517
8/10/18	\$2.6200	\$2.6800	\$2.7500	\$2.8250	\$2.8900	\$2.9200	\$2.8000	\$2.8400	\$2.8800	\$2.7483	\$2.8033	\$2.8500
8/11/18	\$2.6200	\$2.6800	\$2.7500	\$2.8050	\$2.8200	\$2.9050	\$2.8000	\$2.8400	\$2.8800	\$2.7417	\$2.7800	\$2.8450
8/12/18	\$2.6200	\$2.6800	\$2.7500	\$2.8050	\$2.8200	\$2.9050	\$2.8000	\$2.8400	\$2.8800	\$2.7417	\$2.7800	\$2.8450
8/13/18	\$2.6200	\$2.6800	\$2.7500	\$2.8050	\$2.8200	\$2.9050	\$2.8000	\$2.8400	\$2.8800	\$2.7417	\$2.7800	\$2.8450
8/14/18	\$2.6200	\$2.6800	\$2.7500	\$2.8250	\$2.8450	\$2.9200	\$2.8300	\$2.9000	\$2.9500	\$2.7583	\$2.8083	\$2.8733
8/15/18	\$2.6200	\$2.6800	\$2.7500	\$2.8450	\$2.9300	\$2.9650	\$2.8300	\$2.9000	\$2.9500	\$2.7650	\$2.8367	\$2.8883
8/16/18	\$2.6200	\$2.6800	\$2.7500	\$2.8500	\$2.9200	\$2.9600	\$2.8300	\$2.9000	\$2.9500	\$2.7667	\$2.8333	\$2.8867
8/17/18	\$2.6200	\$2.6800	\$2.7500	\$2.8250	\$2.8850	\$2.9250	\$2.8300	\$2.9000	\$2.9500	\$2.7583	\$2.8217	\$2.8750
8/18/18	\$2.6200	\$2.6800	\$2.7500	\$2.8350	\$2.8800	\$2.9150	\$2.8300	\$2.9000	\$2.9500	\$2.7617	\$2.8200	\$2.8717
8/19/18	\$2.6200	\$2.6800	\$2.7500	\$2.8350	\$2.8800	\$2.9150	\$2.8300	\$2.9000	\$2.9500	\$2.7617	\$2.8200	\$2.8717
8/20/18	\$2.6200	\$2.6800	\$2.7500	\$2.8350	\$2.8800	\$2.9150	\$2.8300	\$2.9000	\$2.9500	\$2.7617	\$2.8200	\$2.8717
8/21/18	\$2.6200	\$2.6800	\$2.7500	\$2.8450	\$2.8850	\$2.9250	\$2.7500	\$2.8300	\$2.9100	\$2.7383	\$2.7983	\$2.8617
8/22/18	\$2.6200	\$2.6800	\$2.7500	\$2.8500	\$2.8700	\$2.9300	\$2.7500	\$2.8300	\$2.9100	\$2.7400	\$2.7933	\$2.8633
8/23/18	\$2.6200	\$2.6800	\$2.7500	\$2.8300	\$2.8700	\$2.9100	\$2.7500	\$2.8300	\$2.9100	\$2.7333	\$2.7933	\$2.8567
8/24/18	\$2.6200	\$2.6800	\$2.7500	\$2.7900	\$2.8400	\$2.9050	\$2.7500	\$2.8300	\$2.9100	\$2.7200	\$2.7833	\$2.8550
8/25/18	\$2.6200	\$2.6800	\$2.7500	\$2.6600	\$2.8100	\$2.9050	\$2.7500	\$2.8300	\$2.9100	\$2.6767	\$2.7733	\$2.8550
8/26/18	\$2.6200	\$2.6800	\$2.7500	\$2.6600	\$2.8100	\$2.9050	\$2.7500	\$2.8300	\$2.9100	\$2.6767	\$2.7733	\$2.8550
8/27/18	\$2.6200	\$2.6800	\$2.7500	\$2.6600	\$2.8100	\$2.9050	\$2.7500	\$2.8300	\$2.9100	\$2.6767	\$2.7733	\$2.8550
8/28/18	\$2.6200	\$2.6800	\$2.7500	\$2.8150	\$2.8500	\$2.8850	\$2.7600	\$2.7900	\$2.8800	\$2.7317	\$2.7733	\$2.8383
8/29/18	\$2.6200	\$2.6800	\$2.7500	\$2.7650	\$2.8050	\$2.8650	\$2.7600	\$2.7900	\$2.8800	\$2.7150	\$2.7583	\$2.8317
8/30/18	\$2.6200	\$2.6800	\$2.7500	\$2.7650	\$2.7950	\$2.8550	\$2.7600	\$2.7900	\$2.8800	\$2.7150	\$2.7550	\$2.8283
8/31/18	\$2.6200	\$2.6800	\$2.7500	\$2.6850	\$2.7550	\$2.8200	\$2.7600	\$2.7900	\$2.8800	\$2.6883	\$2.7417	\$2.8167
Avg Rate	\$2.6200	\$2.6800	\$2.7500	\$2.7652	\$2.8266	\$2.8811	\$2.7632	\$2.8216	\$2.8794	\$2.7161	\$2.7761	\$2.8368

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,505,000	\$4,123,620.00	\$4,087,774.19	(\$35,845.81)
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					(\$35,845.81)

COLUMBIA GAS OF KENTUCKY
Off-System EXCHANGE Activity Report
Aug-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	PRE-TAX MARGIN
E	E	OPP	S0248833		7/1/18	9/1/18	3	2	TCO	WV	150000	\$0.1100	\$16,500.00	\$0.00	\$5,500.00	\$5,500.00
											150,000		\$16,500.00		\$5,500.00	\$5,500.00

SEPTEMBER 2018

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

		Sep-18	
<u>Ln.</u>	<u>PBR Component Description</u>		
1	CPS = (TPBR) x ASP	\$12,041.96	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$230,048.86</u>	50% of remainder
3	Total Company Performance Share	\$242,090.82	
4	TCI (includes Marketed CapR)	\$452,227.75	
5	GCI	\$20,512.00	
6	OSSI		
	Sales	\$3,524.51	
	Exch (1)	\$23,973.33	
7	TPBR = (TCI+GCI+OSSI)	\$500,237.59	
8	AGC (**Total Gas Cost)	\$2,006,993.71	
	Sys Supply Purch	\$573,893.50	
	Core (est)	\$12,030.90	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,421,069.31	
9	2% of AGC	\$40,139.87	tell
10	PAC = (TPBR) / AGC	24.92%	

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-18** 9/1/2018

		<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	95,440	\$6.1270	Demand Vol @ Max Rate	\$584,760.88
		TCO	81540	SST	15,000	\$6.1270	Demand Vol @ Max Rate	<u>\$91,905.00</u>
			0				\$986,226.51	
			0			<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5841	Demand Vol @ Disc Rate	\$94,001.56
		TCO	0	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		TCO	SST	0	\$0.0000		<u>\$0.00</u>	
			0				\$556,192.96	
Marketed Cap Release		CGT	0		0	\$0.0000		\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,800.00
Marketed Cap Release		CGT	0		0	\$0.0000		\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,925.40
Marketed Cap Release		CKT	FTS		0	\$0.0000		\$5,779.20

Total TCI **\$452,227.75**

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-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)					
9/1/18	\$2.6700	\$2.7600	\$2.8300	\$2.7050	\$2.7850	\$2.8950	\$2.7600	\$2.7900	\$2.8800	\$2.7117	\$2.7783	\$2.8683
9/2/18	\$2.6700	\$2.7600	\$0.0000	\$2.7050	\$2.7850	\$2.8950	\$2.7600	\$2.7900	\$2.8800	\$2.7117	\$2.7783	\$1.9250
9/3/18	\$2.6700	\$2.7600	\$0.0000	\$2.7050	\$2.7850	\$2.8950	\$2.7600	\$2.7900	\$2.8800	\$2.7117	\$2.7783	\$1.9250
9/4/18	\$2.6700	\$2.7600	\$2.8300	\$2.7050	\$2.7850	\$2.8950	\$2.7300	\$2.7400	\$2.8500	\$2.7017	\$2.7617	\$2.8583
9/5/18	\$2.6700	\$2.7600	\$0.0000	\$2.8100	\$2.8200	\$2.8950	\$2.7300	\$2.7400	\$2.8500	\$2.7367	\$2.7733	\$1.9150
9/6/18	\$2.6700	\$2.7600	\$2.8300	\$2.7550	\$2.7700	\$2.8650	\$2.7300	\$2.7400	\$2.8500	\$2.7183	\$2.7567	\$2.8483
9/7/18	\$2.6700	\$2.7600	\$2.8300	\$2.7050	\$2.7250	\$2.8100	\$2.7300	\$2.7400	\$2.8500	\$2.7017	\$2.7417	\$2.8300
9/8/18	\$2.6700	\$2.7600	\$2.8300	\$2.5300	\$2.6500	\$2.7900	\$2.7300	\$2.7400	\$2.8500	\$2.6433	\$2.7167	\$2.8233
9/9/18	\$2.6700	\$2.7600	\$2.8300	\$2.5300	\$2.6500	\$2.7900	\$2.7300	\$2.7400	\$2.8500	\$2.6433	\$2.7167	\$2.8233
9/10/18	\$2.6700	\$2.7600	\$0.0000	\$2.5300	\$2.6500	\$2.7900	\$2.7300	\$2.7400	\$2.8500	\$2.6433	\$2.7167	\$1.8800
9/11/18	\$2.6700	\$2.7600	\$0.0000	\$2.6300	\$2.6500	\$2.8150	\$2.6300	\$2.6800	\$2.8000	\$2.6433	\$2.6967	\$1.8717
9/12/18	\$2.6700	\$2.7600	\$2.8300	\$2.6500	\$2.6650	\$2.8650	\$2.6300	\$2.6800	\$2.8000	\$2.6500	\$2.7017	\$2.8317
9/13/18	\$2.6700	\$2.7600	\$0.0000	\$2.6950	\$2.7200	\$2.8900	\$2.6300	\$2.6800	\$2.8000	\$2.6650	\$2.7200	\$1.8967
9/14/18	\$2.6700	\$2.7600	\$2.8300	\$2.6900	\$2.7150	\$2.8650	\$2.6300	\$2.6800	\$2.8000	\$2.6633	\$2.7183	\$2.8317
9/15/18	\$2.6700	\$2.7600	\$2.8300	\$2.4750	\$2.6550	\$2.7850	\$2.6300	\$2.6800	\$2.8000	\$2.5917	\$2.6983	\$2.8050
9/16/18	\$2.6700	\$2.7600	\$2.8300	\$2.4750	\$2.6550	\$2.7850	\$2.6300	\$2.6800	\$2.8000	\$2.5917	\$2.6983	\$2.8050
9/17/18	\$2.6700	\$2.7600	\$2.8300	\$2.4750	\$2.6550	\$2.7850	\$2.6300	\$2.6800	\$2.8000	\$2.5917	\$2.6983	\$2.8050
9/18/18	\$2.6700	\$2.7600	\$2.8300	\$2.7600	\$2.7800	\$2.9250	\$2.7300	\$2.8300	\$2.9600	\$2.7200	\$2.7900	\$2.9050
9/19/18	\$2.6700	\$2.7600	\$2.8300	\$2.7800	\$2.8450	\$3.0000	\$2.7300	\$2.8300	\$2.9600	\$2.7267	\$2.8117	\$2.9300
9/20/18	\$2.6700	\$2.7600	\$2.8300	\$2.8150	\$2.9050	\$3.0200	\$2.7300	\$2.8300	\$2.9600	\$2.7383	\$2.8317	\$2.9367
9/21/18	\$2.6700	\$2.7600	\$2.8300	\$2.8100	\$2.8450	\$2.9400	\$2.7300	\$2.8300	\$2.9600	\$2.7367	\$2.8117	\$2.9100
9/22/18	\$2.6700	\$2.7600	\$2.8300	\$2.6000	\$2.8450	\$2.9600	\$2.7300	\$2.8300	\$2.9600	\$2.6667	\$2.8117	\$2.9167
9/23/18	\$2.6700	\$2.7600	\$2.8300	\$2.6000	\$2.8450	\$2.9600	\$2.7300	\$2.8300	\$2.9600	\$2.6667	\$2.8117	\$2.9167
9/24/18	\$2.6700	\$2.7600	\$2.8300	\$2.6000	\$2.8450	\$2.9600	\$2.7300	\$2.8300	\$2.9600	\$2.6667	\$2.8117	\$2.9167
9/25/18	\$2.6700	\$2.7600	\$2.8300	\$2.8500	\$2.8950	\$3.0350	\$2.6500	\$2.8600	\$3.0200	\$2.7233	\$2.8383	\$2.9617
9/26/18	\$2.6700	\$2.7600	\$2.8300	\$2.8850	\$2.9250	\$3.0750	\$2.6500	\$2.8600	\$3.0200	\$2.7350	\$2.8483	\$2.9750
9/27/18	\$2.6700	\$2.7600	\$2.8300	\$2.8750	\$2.9250	\$3.1150	\$2.6500	\$2.8600	\$3.0200	\$2.7317	\$2.8483	\$2.9883
9/28/18	\$2.6700	\$2.7600	\$2.8300	\$2.4650	\$2.8400	\$3.0000	\$2.6500	\$2.8600	\$3.0200	\$2.5950	\$2.8200	\$2.9500
9/29/18	\$2.6700	\$2.7600	\$2.8300	\$2.4650	\$2.8400	\$3.0000	\$2.6500	\$2.8600	\$3.0200	\$2.5950	\$2.8200	\$2.9500
9/30/18	\$2.6700	\$2.7600	\$2.8300	\$2.4650	\$2.8400	\$3.0000	\$2.6500	\$2.8600	\$3.0200	\$2.5950	\$2.8200	\$2.9500
Avg Rate	\$2.6700	\$2.7600	\$2.2640	\$2.6580	\$2.7765	\$2.9100	\$2.6937	\$2.7760	\$2.9010	\$2.6739	\$2.7708	\$2.6917

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	222,300	\$573,893.50	\$594,405.50	\$20,512.00
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$20,512.00

COLUMBIA GAS OF KENTUCKY
Estimated SALES Activity Booking Report
Sep-18

DATA * <u>STATUS</u>	SALES <u>TYPE **</u>	SALES <u>CATEGORY</u>	SALES ID <u>SALES ID</u>	RECEIPT FLOW <u>DATE</u>	DELIVERY FLOW <u>DATE</u>	CDC <u>CDC</u>	DELIVERY POINT <u>POINT</u>	STATE OF <u>SALE</u>	INVOICED SALES AMOUNTS			MARGIN
									VOLUMES <u>INVOICED</u>	SALES RATE <u>RATE</u>	TOTAL SALE <u>SALE</u>	
									Dth	\$/Dth	\$	
I	S	OPP	S0249661	9/1/18	9/1/18		TCO	WV	5,000	\$2.8975	\$14,487.50	\$137.50
I	S	OPP	S0249662	9/1/18	9/1/18		TCO	WV	10,000	\$2.9000	\$29,000.00	\$300.00
I	S	OPP	S0249528	9/1/18	9/1/18		TCO	WV	5,000	\$2.7400	\$13,700.00	\$250.00
I	S	OPP	S0249537	9/1/18	9/1/18		TCO	WV	20,000	\$2.7700	\$55,400.00	\$300.00
I	S	OPP	S0249553	9/1/18	9/1/18		TCO	WV	20,700	\$2.7700	\$57,339.00	\$1,079.51
I	S	OPP	S0249615	9/1/18	9/1/18		TCO	WV	700	\$2.8700	\$2,009.00	\$35.00
I	S	OPP	S0249616	9/1/18	9/1/18		TCO	WV	600	\$2.8700	\$1,722.00	\$30.00
I	S	OPP	S0249617	9/1/18	9/1/18		TCO	WV	500	\$2.8700	\$1,435.00	\$25.00
I	S	OPP	S0249618	9/1/18	9/1/18		TCO	WV	3,200	\$2.8500	\$9,120.00	\$96.00
I	S	OPP	S0249619	9/1/18	9/1/18		TCO	WV	12,000	\$2.8500	\$34,200.00	\$360.00
I	S	OPP	S0249643	9/1/18	9/1/18		TCO	WV	5,000	\$2.8900	\$14,450.00	\$350.00
I	S	OPP	S0249644	9/1/18	9/1/18		TCO	WV	5,000	\$2.8900	\$14,450.00	\$424.00
I	S	OPP	S0249660	9/1/18	9/1/18		TCO	WV	5,000	\$2.8975	\$14,487.50	\$137.50
									92,700		\$261,800.00	\$3,524.51

COLUMBIA GAS OF KENTUCKY
Off-System EXCHANGE Activity Report
Sep-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	PRE-TAX MARGIN
E	E	OPP	S0248833	9/1/18	7/1/18	9/1/18	3	3	TCO	WV	150,000	\$0.1100	\$16,500.00	\$0.00	\$5,500.00	\$5,500.00
E	E	OPP	S0249477		9/1/18	11/1/18	3	1	TCO	WV	15,000	\$0.1700	\$2,550.00	\$0.00	\$850.00	\$850.00
E	E	OPP	S0249571		9/1/18	11/1/18	3	1	TCO	WV	30,000	\$0.1800	\$5,400.00	\$0.00	\$1,800.00	\$1,800.00
E	E	OPP	S0249579		9/1/18	12/1/18	4	1	TCO	WV	31,000	\$0.1200	\$3,720.00	\$0.00	\$930.00	\$930.00
E	E	OPP	S0249394	9/1/18		12/1/18	4	1	TCO	WV	310,000	\$0.0800	\$24,800.00	\$0.00	\$6,200.00	\$6,200.00
E	E	OPP	S0249395	9/1/18		1/1/19	5	1	TCO	WV	310,000	\$0.0800	\$24,800.00	\$0.00	\$4,960.00	\$4,960.00
E	E	OPP	S0249396	9/1/18		2/1/19	6	1	TCO	WV	280,000	\$0.0800	\$22,400.00	\$0.00	\$3,733.33	\$3,733.33
											1,126,000		\$100,170.00		\$23,973.33	\$23,973.33

OCTOBER 2018

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

<u>Ln.</u>	<u>PBR Component Description</u>	Oct-18	
		ACTUAL	
1	CPS = (TPBR) x ASP	\$32,948.35	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$266,044.58</u>	50% of remainder
3	Total Company Performance Share	\$298,992.93	
4	TCI (includes Marketed CapR)	\$666,771.53	
5	GCI	(\$43,731.37)	
6	OSSI		
	Sales	\$403.50	
	Exch (1)	\$18,473.33	
7	TPBR = (TCI+GCI+OSSI)	\$641,916.99	
8	AGC (**Total Gas Cost)	\$5,491,391.68	
	Sys Supply Purch	\$3,587,739.30	
	Core (est)	\$26,757.43	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,876,894.95	
9	2% of AGC	\$109,827.83	tell
10	PAC = (TPBR) / AGC	11.69%	

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-18 9/1/2018

		<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	\$15.0961	Demand Vol @ Max Rate	\$309,560.63	\$309,560.63
		TCO	80160	SST	190,880	\$6.1270	Demand Vol @ Max Rate	\$1,169,521.76	\$1,169,521.76
		TCO	81540	SST	30,000	\$6.1270	Demand Vol @ Max Rate	<u>\$183,810.00</u>	<u>\$183,810.00</u>
			0				\$1,662,892.39	\$1,662,892.39	
			0			<u>Disc Rate</u>			
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5841	Demand Vol @ Disc Rate	\$94,001.55	\$94,001.56
		TCO	0	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			
			0				<u>\$0.00</u>	<u>\$0.00</u>	
							\$1,018,384.35	\$1,018,384.36	
Marketed Cap Release		CGT	0		0	\$0.0000		\$11,406.00	\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,869.30	\$1,869.30
Marketed Cap Release		CGT	0		0	\$0.0000		\$1,283.60	\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,925.40	\$1,925.40
Marketed Cap Release		CKT	FTS		0	\$0.0000		\$5,779.20	\$5,779.20
							Total TCI	\$666,771.53	\$666,771.53

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-18

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
							(Rayne)					
10/1/18	\$2.7300	\$2.8400	\$2.9600	\$2.6550	\$2.7750	\$2.9950	\$2.6500	\$2.8600	\$3.0200	\$2.6783	\$2.8250	\$2.9917
10/2/18	\$2.7300	\$2.8400	\$0.0000	\$2.7900	\$2.8750	\$3.1150	\$2.6400	\$2.9500	\$3.1500	\$2.7200	\$2.8883	\$2.0883
10/3/18	\$2.7300	\$2.8400	\$0.0000	\$2.9300	\$2.9150	\$3.1600	\$2.6400	\$2.9500	\$3.1500	\$2.7667	\$2.9017	\$2.1033
10/4/18	\$2.7300	\$2.8400	\$2.9600	\$3.0000	\$3.0650	\$3.2900	\$2.6400	\$2.9500	\$3.1500	\$2.7900	\$2.9517	\$3.1333
10/5/18	\$2.7300	\$2.8400	\$0.0000	\$2.8950	\$3.0600	\$3.2650	\$2.6400	\$2.9500	\$3.1500	\$2.7550	\$2.9500	\$2.1383
10/6/18	\$2.7300	\$2.8400	\$2.9600	\$2.4650	\$2.9300	\$3.1200	\$2.6400	\$2.9500	\$3.1500	\$2.6117	\$2.9067	\$3.0767
10/7/18	\$2.7300	\$2.8400	\$2.9600	\$2.4650	\$2.9300	\$3.1200	\$2.6400	\$2.9500	\$3.1500	\$2.6117	\$2.9067	\$3.0767
10/8/18	\$2.7300	\$2.8400	\$2.9600	\$2.4650	\$2.9300	\$3.1200	\$2.6400	\$2.9500	\$3.1500	\$2.6117	\$2.9067	\$3.0767
10/9/18	\$2.7300	\$2.8400	\$2.9600	\$2.9850	\$3.1250	\$3.2850	\$2.9700	\$3.1000	\$3.2100	\$2.8950	\$3.0217	\$3.1517
10/10/18	\$2.7300	\$2.8400	\$0.0000	\$3.0400	\$3.1450	\$3.3250	\$2.9700	\$3.1000	\$3.2100	\$2.9133	\$3.0283	\$2.1783
10/11/18	\$2.7300	\$2.8400	\$0.0000	\$3.0900	\$3.1950	\$3.3100	\$2.9700	\$3.1000	\$3.2100	\$2.9300	\$3.0450	\$2.1733
10/12/18	\$2.7300	\$2.8400	\$2.9600	\$2.9550	\$3.0500	\$3.1400	\$2.9700	\$3.1000	\$3.2100	\$2.8850	\$2.9967	\$3.1033
10/13/18	\$2.7300	\$2.8400	\$0.0000	\$2.9400	\$3.0350	\$3.0900	\$2.9700	\$3.1000	\$3.2100	\$2.8800	\$2.9917	\$2.1000
10/14/18	\$2.7300	\$2.8400	\$2.9600	\$2.9400	\$3.0350	\$3.0900	\$2.9700	\$3.1000	\$3.2100	\$2.8800	\$2.9917	\$3.0867
10/15/18	\$2.7300	\$2.8400	\$2.9600	\$2.9400	\$3.0350	\$3.0900	\$2.9700	\$3.1000	\$3.2100	\$2.8800	\$2.9917	\$3.0867
10/16/18	\$2.7300	\$2.8400	\$2.9600	\$3.0700	\$3.1300	\$3.2000	\$3.0800	\$3.1400	\$3.2500	\$2.9600	\$3.0367	\$3.1367
10/17/18	\$2.7300	\$2.8400	\$2.9600	\$3.1050	\$3.1600	\$3.2300	\$3.0800	\$3.1400	\$3.2500	\$2.9717	\$3.0467	\$3.1467
10/18/18	\$2.7300	\$2.8400	\$2.9600	\$3.1600	\$3.2250	\$3.2850	\$3.0800	\$3.1400	\$3.2500	\$2.9900	\$3.0683	\$3.1650
10/19/18	\$2.7300	\$2.8400	\$2.9600	\$3.0650	\$3.1500	\$3.2150	\$3.0800	\$3.1400	\$3.2500	\$2.9583	\$3.0433	\$3.1417
10/20/18	\$2.7300	\$2.8400	\$2.9600	\$3.0250	\$3.1000	\$3.2050	\$3.0800	\$3.1400	\$3.2500	\$2.9450	\$3.0267	\$3.1383
10/21/18	\$2.7300	\$2.8400	\$2.9600	\$3.0250	\$3.1000	\$3.2050	\$3.0800	\$3.1400	\$3.2500	\$2.9450	\$3.0267	\$3.1383
10/22/18	\$2.7300	\$2.8400	\$2.9600	\$3.0250	\$3.1000	\$3.2050	\$3.0800	\$3.1400	\$3.2500	\$2.9450	\$3.0267	\$3.1383
10/23/18	\$2.7300	\$2.8400	\$2.9600	\$3.0950	\$3.1200	\$3.1950	\$3.1300	\$3.1200	\$3.1800	\$2.9850	\$3.0267	\$3.1117
10/24/18	\$2.7300	\$2.8400	\$2.9600	\$3.1400	\$3.1750	\$3.2450	\$3.1300	\$3.1200	\$3.1800	\$3.0000	\$3.0450	\$3.1283
10/25/18	\$2.7300	\$2.8400	\$2.9600	\$3.2050	\$3.2600	\$3.3150	\$3.1300	\$3.1200	\$3.1800	\$3.0217	\$3.0733	\$3.1517
10/26/18	\$2.7300	\$2.8400	\$2.9600	\$3.1500	\$3.2050	\$3.2400	\$3.1300	\$3.1200	\$3.1800	\$3.0033	\$3.0550	\$3.1267
10/27/18	\$2.7300	\$2.8400	\$2.9600	\$3.0300	\$3.0600	\$3.1200	\$3.1300	\$3.1200	\$3.1800	\$2.9633	\$3.0067	\$3.0867
10/28/18	\$2.7300	\$2.8400	\$2.9600	\$3.0300	\$3.0600	\$3.1200	\$3.1300	\$3.1200	\$3.1800	\$2.9633	\$3.0067	\$3.0867
10/29/18	\$2.7300	\$2.8400	\$2.9600	\$3.0300	\$3.0600	\$3.1200	\$3.1300	\$3.1200	\$3.1800	\$2.9633	\$3.0067	\$3.0867
10/30/18	\$2.7300	\$2.8400	\$2.9600	\$3.0100	\$3.0250	\$3.1300	\$3.0000	\$3.0600	\$3.1600	\$2.9133	\$2.9750	\$3.0833
10/31/18	\$2.7300	\$2.8400	\$2.9600	\$3.0300	\$3.1050	\$3.1750	\$3.0000	\$3.0600	\$3.1600	\$2.9200	\$3.0017	\$3.0983
Avg Rate	\$2.7300	\$2.8400	\$2.3871	\$2.9597	\$3.0689	\$3.1845	\$2.9481	\$3.0694	\$3.1894	\$2.8792	\$2.9927	\$2.9203

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,230,880	\$3,587,739.30	\$3,544,007.93	(\$43,731.37)
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					(\$43,731.37)

COLUMBIA GAS OF KENTUCKY
Estimated SALES Activity Booking Report
Oct-18

DATA *	SALES TYPE **	SALES CATEGORY	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	CDC	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
									VOLUMES	SALES	TOTAL	
									INVOICED	RATE	SALE	
									Dth	\$/Dth	\$	
I	S	OPP	S0249703	10/1/18	10/1/18		TCO	WV	1,200	\$2.7100	\$3,252.00	\$12.00
I	S	OPP	S0249714	10/1/18	10/1/18		TCO	WV	800	\$2.8775	\$2,302.00	\$72.00
I	S	OPP	S0249715	10/1/18	10/1/18		TCO	WV	1,700	\$2.8675	\$4,874.75	\$137.50
I	S	OPP	S0249726	10/1/18	10/1/18		TCO	WV	500	\$2.9850	\$1,492.50	\$102.50
I	S	OPP	S0249744	10/1/18	10/1/18		TCO	WV	2,400	\$3.0300	\$7,272.00	\$60.00
I	S	OPP	S0249841	10/1/18	10/1/18		TCO	WV	2,400	\$2.8950	\$6,948.00	\$12.00
I	S	OPP	S0249842	10/1/18	10/1/18		TCO	WV	500	\$2.9300	\$1,465.00	\$7.50
									9,500		\$27,606.25	\$403.50

COLUMBIA GAS OF KENTUCKY
Off-System EXCHANGE Activity Report
Oct-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	ESTIMATED SALES AMOUNTS		Current Month Proration			
											VOLUMES	SALES RATE	TRANSPORT COST	TOTAL SALE	PRE-TAX MARGIN	
											Dth	\$/Dth	\$			
E	E	OPP	S0249477		9/1/18	11/1/18	3	2	TCO	WV	15,000	\$0.1700	\$2,550.00	\$0.00	\$850.00	\$850.00
E	E	OPP	S0249571		9/1/18	11/1/18	3	2	TCO	WV	30,000	\$0.1800	\$5,400.00	\$0.00	\$1,800.00	\$1,800.00
E	E	OPP	S0249394	9/1/18		12/1/18	4	2	TCO	WV	310,000	\$0.0800	\$24,800.00	\$0.00	\$6,200.00	\$6,200.00
E	E	OPP	S0249579		9/1/18	12/1/18	4	2	TCO	WV	31,000	\$0.1200	\$3,720.00	\$0.00	\$930.00	\$930.00
E	E	OPP	S0249395	9/1/18		1/1/19	5	2	TCO	WV	310000	\$0.0800	\$24,800.00	\$0.00	\$4,960.00	\$4,960.00
E	E	OPP	S0249396	9/1/18		2/1/19	6	2	TCO	WV	280,000	\$0.0800	\$22,400.00	\$0.00	\$3,733.33	\$3,733.33
											976,000		\$83,670.00		\$18,473.33	\$18,473.33

NOVEMBER 2018

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

		Nov-18	
<u>Ln.</u>	<u>PBR Component Description</u>	ACTUAL	
1	CPS = (TPBR) x ASP	\$12,243.09	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$328,345.73</u>	50% of remainder
3	Total Company Performance Share	\$340,588.82	
4	TCI (includes Marketed CapR)	\$669,513.92	
5	GCI	\$6,176.52	
6	OSSI		
	Sales	\$83.00	
	Exch (1)	\$21,728.33	
7	TPBR = (TCI+GCI+OSSI)	\$697,501.77	
8	AGC (**Total Gas Cost)	\$2,040,515.42	
	Sys Supply Purch	\$97,486.36	
	Core (est)	\$88,877.50	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,854,151.56	
			tell
9	2% of AGC	\$40,810.31	
10	PAC = (TPBR) / AGC	34.18%	

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-18** 9/1/2018

		<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	\$14.7805	Demand Vol @ Max Rate	\$303,088.93
		TCO	80160	SST	190,880	\$6.1740	Demand Vol @ Max Rate	\$1,178,493.12
		TCO	81540	SST	30,000	\$6.1740	Demand Vol @ Max Rate	<u>\$185,220.00</u>
			0					\$1,666,802.05
			0			<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5841	Demand Vol @ Disc Rate	\$93,903.13
		TCO	0	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		TCO	SST		0	\$0.0000		<u>\$0.00</u>
			0					\$1,018,285.93
Marketed Cap Release		CGT	0		0	\$0.0000		\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$603.60
Marketed Cap Release		CGT	0		0	\$0.0000		\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,925.40
Marketed Cap Release		CKT	FTS		0	\$0.0000		\$5,779.20
							Total TCI	\$669,513.92

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-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)					
11/1/18	\$2.9500	\$3.0400	\$3.1500	\$2.9600	\$3.1250	\$3.1950	\$3.0000	\$3.0600	\$3.1600	\$2.9700	\$3.0750	\$3.1683
11/2/18	\$2.9500	\$3.0400	\$3.1500	\$3.0150	\$3.1150	\$3.2100	\$3.0000	\$3.0600	\$3.1600	\$2.9883	\$3.0717	\$3.1733
11/3/18	\$2.9500	\$3.0400	\$3.1500	\$2.9600	\$3.0350	\$3.1300	\$3.0000	\$3.0600	\$3.1600	\$2.9700	\$3.0450	\$3.1467
11/4/18	\$2.9500	\$3.0400	\$3.1500	\$2.9600	\$3.0350	\$3.1300	\$3.0000	\$3.0600	\$3.1600	\$2.9700	\$3.0450	\$3.1467
11/5/18	\$2.9500	\$3.0400	\$3.1500	\$2.9600	\$3.0350	\$3.1300	\$3.0000	\$3.0600	\$3.1600	\$2.9700	\$3.0450	\$3.1467
11/6/18	\$2.9500	\$3.0400	\$3.1500	\$3.2950	\$3.3650	\$3.4400	\$3.5100	\$3.5600	\$3.6000	\$3.2517	\$3.3217	\$3.3967
11/7/18	\$2.9500	\$3.0400	\$3.1500	\$3.3900	\$3.4150	\$3.4850	\$3.5100	\$3.5600	\$3.6000	\$3.2833	\$3.3383	\$3.4117
11/8/18	\$2.9500	\$3.0400	\$3.1500	\$3.4050	\$3.4350	\$3.5200	\$3.5100	\$3.5600	\$3.6000	\$3.2883	\$3.3450	\$3.4233
11/9/18	\$2.9500	\$3.0400	\$3.1500	\$3.4650	\$3.5200	\$3.5650	\$3.5100	\$3.5600	\$3.6000	\$3.3083	\$3.3733	\$3.4383
11/10/18	\$2.9500	\$3.0400	\$3.1500	\$3.6400	\$3.6550	\$3.7250	\$3.5100	\$3.5600	\$3.6000	\$3.3667	\$3.4183	\$3.4917
11/11/18	\$2.9500	\$3.0400	\$3.1500	\$3.6400	\$3.6550	\$3.7250	\$3.5100	\$3.5600	\$3.6000	\$3.3667	\$3.4183	\$3.4917
11/12/18	\$2.9500	\$3.0400	\$3.1500	\$3.6400	\$3.6550	\$3.7250	\$3.5100	\$3.5600	\$3.6000	\$3.3667	\$3.4183	\$3.4917
11/13/18	\$2.9500	\$3.0400	\$3.1500	\$3.7300	\$3.7850	\$3.8300	\$4.1600	\$4.1700	\$4.2400	\$3.6133	\$3.6650	\$3.7400
11/14/18	\$2.9500	\$3.0400	\$3.1500	\$3.9050	\$3.9050	\$4.0150	\$4.1600	\$4.1700	\$4.2400	\$3.6717	\$3.7050	\$3.8017
11/15/18	\$2.9500	\$3.0400	\$3.1500	\$4.4250	\$4.4800	\$4.4950	\$4.1600	\$4.1700	\$4.2400	\$3.8450	\$3.8967	\$3.9617
11/16/18	\$2.9500	\$3.0400	\$3.1500	\$4.3150	\$4.4150	\$4.5000	\$4.1600	\$4.1700	\$4.2400	\$3.8083	\$3.8750	\$3.9633
11/17/18	\$2.9500	\$3.0400	\$3.1500	\$4.1450	\$4.1350	\$4.2400	\$4.1600	\$4.1700	\$4.2400	\$3.7517	\$3.7817	\$3.8767
11/18/18	\$2.9500	\$3.0400	\$3.1500	\$4.1450	\$4.1350	\$4.2400	\$4.1600	\$4.1700	\$4.2400	\$3.7517	\$3.7817	\$3.8767
11/19/18	\$2.9500	\$3.0400	\$3.1500	\$4.1450	\$4.1350	\$4.2400	\$4.1600	\$4.1700	\$4.2400	\$3.7517	\$3.7817	\$3.8767
11/20/18	\$2.9500	\$3.0400	\$3.1500	\$4.4250	\$4.4300	\$4.5300	\$4.4800	\$4.5200	\$4.5900	\$3.9517	\$3.9967	\$4.0900
11/21/18	\$2.9500	\$3.0400	\$3.1500	\$4.5100	\$4.5500	\$4.5950	\$4.4800	\$4.5200	\$4.5900	\$3.9800	\$4.0367	\$4.1117
11/22/18	\$2.9500	\$3.0400	\$3.1500	\$4.4850	\$4.5450	\$4.6100	\$4.4800	\$4.5200	\$4.5900	\$3.9717	\$4.0350	\$4.1167
11/23/18	\$2.9500	\$3.0400	\$3.1500	\$4.4850	\$4.5450	\$4.6100	\$4.4800	\$4.5200	\$4.5900	\$3.9717	\$4.0350	\$4.1167
11/24/18	\$2.9500	\$3.0400	\$3.1500	\$4.4850	\$4.5450	\$4.6100	\$4.4800	\$4.5200	\$4.5900	\$3.9717	\$4.0350	\$4.1167
11/25/18	\$2.9500	\$3.0400	\$3.1500	\$4.4850	\$4.5450	\$4.6100	\$4.4800	\$4.5200	\$4.5900	\$3.9717	\$4.0350	\$4.1167
11/26/18	\$2.9500	\$3.0400	\$3.1500	\$4.4850	\$4.5450	\$4.6100	\$4.4800	\$4.5200	\$4.5900	\$3.9717	\$4.0350	\$4.1167
11/27/18	\$2.9500	\$3.0400	\$3.1500	\$4.1650	\$4.1550	\$4.2300	\$4.2700	\$4.3400	\$4.4000	\$3.7950	\$3.8450	\$3.9267
11/28/18	\$2.9500	\$3.0400	\$3.1500	\$4.1400	\$4.1800	\$4.2750	\$4.2700	\$4.3400	\$4.4000	\$3.7867	\$3.8533	\$3.9417
11/29/18	\$2.9500	\$3.0400	\$3.1500	\$4.2650	\$4.3150	\$4.4000	\$4.2700	\$4.3400	\$4.4000	\$3.8283	\$3.8983	\$3.9833
11/30/18	\$2.9500	\$3.0400	\$3.1500	\$4.3900	\$4.3950	\$4.4700	\$4.2700	\$4.3400	\$4.4000	\$3.8700	\$3.9250	\$4.0067
Avg Rate	\$2.9500	\$3.0400	\$3.1500	\$3.8820	\$3.9262	\$4.0030	\$3.9043	\$3.9470	\$4.0137	\$3.5788	\$3.6377	\$3.7222

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	28,966	\$97,486.36	\$103,662.88	\$6,176.52
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$6,176.52

COLUMBIA GAS OF KENTUCKY
Estimated SALES Activity Booking Report
Nov-18

<u>DATA *</u> <u>STATUS</u>	<u>SALES</u> <u>TYPE **</u>	<u>SALES</u> <u>CATEGORY</u>	<u>SALES ID</u>	<u>RECEIPT</u> <u>FLOW</u> <u>DATE</u>	<u>DELIVERY</u> <u>FLOW</u> <u>DATE</u>	<u>CDC</u>	<u>DELIVERY</u> <u>POINT</u>	<u>STATE</u> <u>OF</u> <u>SALE</u>	INVOICED SALES AMOUNTS			MARGIN
									<u>VOLUMES</u> <u>INVOICED</u>	<u>SALES</u> <u>RATE</u>	<u>TOTAL</u> <u>SALE</u>	
									Dth	\$/Dth	\$	
I	S	OPP	S0250102	11/1/18	11/1/18		TCO	WV	5,000	\$3.3850	\$16,925.00	\$25.00
I	S	OPP	S0250100	11/1/18	11/1/18		TCO	WV	5,000	\$3.3850	\$16,925.00	\$33.00
I	S	OPP	S0250101	11/1/18	11/1/18		TCO	WV	5,000	\$3.3850	\$16,925.00	\$25.00
									15,000		\$50,775.00	\$83.00

COLUMBIA GAS OF KENTUCKY
Off-System EXCHANGE Activity Report
Nov-18

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS EXPIRED	DELIVERY POINT	STATE OF SALE	ESTIMATED SALES AMOUNTS		Current Month Proration			
				FLOW DATE	FLOW DATE						SALES RATE	TOTAL SALE	TRANSPORT COST	TOTAL SALE	PRE-TAX MARGIN	
				DATE	DATE						\$/Dth	\$				
E	E	OPP	S0249477	11/1/18	9/1/18	11/1/18	3	3	TCO	WV	15,000	\$0.1700	\$2,550.00	\$0.00	\$850.00	\$850.00
E	E	OPP	S0249571	11/1/18	9/1/18	11/1/18	3	3	TCO	WV	30,000	\$0.1800	\$5,400.00	\$0.00	\$1,800.00	\$1,800.00
E	E	OPP	S0249394	9/1/18		12/1/18	4	3	TCO	WV	310000	\$0.0800	\$24,800.00	\$0.00	\$6,200.00	\$6,200.00
E	E	OPP	S0249579		9/1/18	12/1/18	4	3	TCO	WV	31,000	\$0.1200	\$3,720.00	\$0.00	\$930.00	\$930.00
E	E	OPP	S0250213		11/1/18	12/1/18	2	1	TCO	WV	93,000	\$0.0700	\$6,510.00	\$0.00	\$3,255.00	\$3,255.00
E	E	OPP	S0249395	9/1/18		1/1/19	5	3	TCO	WV	310,000	\$0.0800	\$24,800.00	\$0.00	\$4,960.00	\$4,960.00
E	E	OPP	S0249396	9/1/18		2/1/19	6	3	TCO	WV	280,000	\$0.0800	\$22,400.00	\$0.00	\$3,733.33	\$3,733.33
											1,069,000		\$90,180.00		\$21,728.33	\$21,728.33

DECEMBER 2018

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

Flow Period: Dec-18

<u>Ln.</u>	<u>PBR Component Description</u>	Dec-18	
		ACTUAL	
1	CPS = (TPBR) x ASP	\$71,630.60	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$93,822.16</u>	50% of remainder
3	Total Company Performance Share	\$165,452.76	
4	TCI (includes Marketed CapR)	\$671,235.32	
5	GCI	(\$330,978.80)	
6	OSSI		
	Sales	\$1,300.00	
	Exch	\$84,856.46	
7	TPBR = (TCI+GCI+OSSI)	\$426,412.98	
8	AGC (**Total Gas Cost)	\$11,938,432.58	
	Sys Supply Purch	\$9,849,744.22	
	Core	\$199,022.42	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,889,665.94	
			tell
9	2% of AGC	\$238,768.65	
10	PAC = (TPBR) / AGC	3.57%	

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-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	\$14.7805	Demand Vol @ Max Rate	\$303,088.93
		TCO	80160	SST	190,880	\$6.1740	Demand Vol @ Max Rate	\$1,178,493.12
		TCO	81540	SST	30,000	\$6.1740	Demand Vol @ Max Rate	<u>\$185,220.00</u>
			0					\$1,666,802.05
			0			<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5793	Demand Vol @ Disc Rate	\$93,903.13
		TCO	0	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		TCO	SST		0	\$0.0000		<u>\$0.00</u>
			0					\$1,018,285.93
Marketed Cap Release		CGT	0		0	\$0.0000		\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$2,325.00
Marketed Cap Release		CGT	0		0	\$0.0000		\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,925.40
Marketed Cap Release		CKT	FTS		0	\$0.0000		\$5,779.20
							Total TCI	\$671,235.32

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-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
12/1/18	\$4.5300	\$4.5900	\$4.7100	\$4.3200	\$4.3850	\$4.4750	\$4.2700	\$4.3400	\$4.4000	\$4.3733	\$4.4383	\$4.5283
12/2/18	\$4.5300	\$4.5900	\$4.7100	\$4.3200	\$4.3850	\$4.4750	\$4.2700	\$4.3400	\$4.4000	\$4.3733	\$4.4383	\$4.5283
12/3/18	\$4.5300	\$4.5900	\$4.7100	\$4.3200	\$4.3850	\$4.4750	\$4.2700	\$4.3400	\$4.4000	\$4.3733	\$4.4383	\$4.5283
12/4/18	\$4.5300	\$4.5900	\$4.7100	\$4.3200	\$4.3050	\$4.3800	\$4.3900	\$4.3500	\$4.4400	\$4.4133	\$4.4150	\$4.5100
12/5/18	\$4.5300	\$4.5900	\$4.7100	\$4.5000	\$4.5000	\$4.5900	\$4.3900	\$4.3500	\$4.4400	\$4.4733	\$4.4800	\$4.5800
12/6/18	\$4.5300	\$4.5900	\$4.7100	\$4.4600	\$4.4700	\$4.5300	\$4.3900	\$4.3500	\$4.4400	\$4.4600	\$4.4700	\$4.5600
12/7/18	\$4.5300	\$4.5900	\$4.7100	\$4.2250	\$4.2350	\$4.3350	\$4.3900	\$4.3500	\$4.4400	\$4.3817	\$4.3917	\$4.4950
12/8/18	\$4.5300	\$4.5900	\$4.7100	\$4.3050	\$4.3150	\$4.4450	\$4.3900	\$4.3500	\$4.4400	\$4.4083	\$4.4183	\$4.5317
12/9/18	\$4.5300	\$4.5900	\$4.7100	\$4.3050	\$4.3150	\$4.4450	\$4.3900	\$4.3500	\$4.4400	\$4.4083	\$4.4183	\$4.5317
12/10/18	\$4.5300	\$4.5900	\$4.7100	\$4.3050	\$4.3150	\$4.4450	\$4.3900	\$4.3500	\$4.4400	\$4.4083	\$4.4183	\$4.5317
12/11/18	\$4.5300	\$4.5900	\$4.7100	\$4.3600	\$4.3350	\$4.4850	\$3.9400	\$4.0200	\$4.1400	\$4.2767	\$4.3150	\$4.4450
12/12/18	\$4.5300	\$4.5900	\$4.7100	\$4.2800	\$4.3000	\$4.4100	\$3.9400	\$4.0200	\$4.1400	\$4.2500	\$4.3033	\$4.4200
12/13/18	\$4.5300	\$4.5900	\$4.7100	\$3.9750	\$4.0050	\$4.1200	\$3.9400	\$4.0200	\$4.1400	\$4.1483	\$4.2050	\$4.3233
12/14/18	\$4.5300	\$4.5900	\$4.7100	\$4.0350	\$4.0600	\$4.1750	\$3.9400	\$4.0200	\$4.1400	\$4.1683	\$4.2233	\$4.3417
12/15/18	\$4.5300	\$4.5900	\$4.7100	\$3.6900	\$3.7450	\$3.8150	\$3.9400	\$4.0200	\$4.1400	\$4.0533	\$4.1183	\$4.2217
12/16/18	\$4.5300	\$4.5900	\$4.7100	\$3.6900	\$3.7450	\$3.8150	\$3.9400	\$4.0200	\$4.1400	\$4.0533	\$4.1183	\$4.2217
12/17/18	\$4.5300	\$4.5900	\$4.7100	\$3.6900	\$3.7450	\$3.8150	\$3.9400	\$4.0200	\$4.1400	\$4.0533	\$4.1183	\$4.2217
12/18/18	\$4.5300	\$4.5900	\$4.7100	\$3.4550	\$3.4650	\$3.5650	\$3.3900	\$3.3500	\$3.4800	\$3.7917	\$3.8017	\$3.9183
12/19/18	\$4.5300	\$4.5900	\$4.7100	\$3.4850	\$3.4950	\$3.6200	\$3.3900	\$3.3500	\$3.4800	\$3.8017	\$3.8117	\$3.9367
12/20/18	\$4.5300	\$4.5900	\$4.7100	\$3.2600	\$3.3500	\$3.4650	\$3.3900	\$3.3500	\$3.4800	\$3.7267	\$3.7633	\$3.8850
12/21/18	\$4.5300	\$4.5900	\$4.7100	\$3.3700	\$3.4550	\$3.6450	\$3.3900	\$3.3500	\$3.4800	\$3.7633	\$3.7983	\$3.9450
12/22/18	\$4.5300	\$4.5900	\$4.7100	\$3.2300	\$3.2750	\$3.4100	\$3.3900	\$3.3500	\$3.4800	\$3.7167	\$3.7383	\$3.8667
12/23/18	\$4.5300	\$4.5900	\$4.7100	\$3.2300	\$3.2750	\$3.4100	\$3.3900	\$3.3500	\$3.4800	\$3.7167	\$3.7383	\$3.8667
12/24/18	\$4.5300	\$4.5900	\$4.7100	\$3.2300	\$3.2750	\$3.4100	\$3.3900	\$3.3500	\$3.4800	\$3.7167	\$3.7383	\$3.8667
12/25/18	\$4.5300	\$4.5900	\$4.7100	\$3.2300	\$3.2750	\$3.4100	\$2.9600	\$3.0100	\$3.1800	\$3.5733	\$3.6250	\$3.7667
12/26/18	\$4.5300	\$4.5900	\$4.7100	\$3.2300	\$3.2750	\$3.4100	\$2.9600	\$3.0100	\$3.1800	\$3.5733	\$3.6250	\$3.7667
12/27/18	\$4.5300	\$4.5900	\$4.7100	\$2.9400	\$2.9900	\$3.0400	\$2.9600	\$3.0100	\$3.1800	\$3.4767	\$3.5300	\$3.6433
12/28/18	\$4.5300	\$4.5900	\$4.7100	\$2.8600	\$2.9150	\$3.0200	\$2.9600	\$3.0100	\$3.1800	\$3.4500	\$3.5050	\$3.6367
12/29/18	\$4.5300	\$4.5900	\$4.7100	\$2.8600	\$2.9150	\$3.0200	\$2.9600	\$3.0100	\$3.1800	\$3.4500	\$3.5050	\$3.6367
12/30/18	\$4.5300	\$4.5900	\$4.7100	\$2.8600	\$2.9150	\$3.0200	\$2.9600	\$3.0100	\$3.1800	\$3.4500	\$3.5050	\$3.6367
12/31/18	\$4.5300	\$4.5900	\$4.7100	\$2.8600	\$2.9150	\$3.0200	\$2.9600	\$3.0100	\$3.1800	\$3.4500	\$3.5050	\$3.6367
Avg Rate	\$4.5300	\$4.5900	\$4.7100	\$3.7161	\$3.7527	\$3.8611	\$3.7281	\$3.7461	\$3.8671	\$3.9914	\$4.0296	\$4.1461

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	2,384,820	\$9,849,744.22	\$9,518,765.42	(\$330,978.80)
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					(\$330,978.80)

COLUMBIA GAS OF KENTUCKY
SALES Activity Booking Report
Dec-18

DATA * STATUS	SALES TYPE **	SALES CATEGORY	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	CDC	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
									VOLUMES INVOICED	SALES RATE	TOTAL SALE	
									Dth	\$/Dth	\$	
I	S	OPP	S0250556	12/1/18	12/1/18		TCO	WV	10,000	\$3.1000	\$31,000.00	\$1,300.00
									10,000		\$31,000.00	\$1,300.00

COLUMBIA GAS OF KENTUCKY
Off-System EXCHANGE Activity Report
Dec-18

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW	DELIVERY FLOW	INVOICE	# OF MONTHS IN TERM	# OF MONTHS EXPIRED	DELIVERY POINT	STATE OF SALE	ESTIMATED SALES AMOUNTS		Current Month Proration			MARGIN	
				DATE	DATE	MONTH				VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	OTHER COST	TOTAL SALE		
E	E	OPP	S0249394	9/1/18	12/1/18	12/1/18	4	4	TCO	WV	310000	\$0.0800	\$24,800.00	\$0.00	\$0.00	\$6,200.00	\$6,200.00
E	E	OPP	S0249579	12/1/18	9/1/18	12/1/18	4	4	TCO	WV	31,000	\$0.1200	\$3,720.00	\$0.00	\$0.00	\$930.00	\$930.00
E	E	OPP	S0250213	12/1/18	11/1/18	12/1/18	2	2	TCO	WV	93,000	\$0.0700	\$6,510.00	\$0.00	\$0.00	\$3,255.00	\$3,255.00
E	E	OPP	S0249395	9/1/18		1/1/19	5	4	TCO	WV	310,000	\$0.0800	\$24,800.00	\$0.00	\$0.00	\$4,960.00	\$4,960.00
E	E	OPP	S0249396	9/1/18		2/1/19	6	4	TCO	WV	280,000	\$0.0800	\$22,400.00	\$0.00	\$0.00	\$3,733.33	\$3,733.33
E	E	OPP	S0250512		12/1/18	7/1/19	8	1	TCO	WV	542,500	\$0.9700	\$526,225.00	\$0.00	\$0.00	\$65,778.13	\$65,778.13
											1,566,500		\$608,455.00			\$84,856.46	\$84,856.46

JANUARY 2019

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

Flow Period: Jan-19

<u>Ln.</u>	<u>PBR Component Description</u>	Jan-19	
		ACTUAL	
1	CPS = (TPBR) x ASP	\$23,135.01	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$425,072.82</u>	50% of remainder
3	Total Company Performance Share	\$448,207.83	
4	TCI (includes Marketed CapR)	\$671,080.32	
5	GCI	\$79,004.38	
6	OSSI		
	Sales	\$17,672.75	
	Exch	\$159,504.90	
7	TPBR = (TCI+GCI+OSSI)	\$927,262.35	
8	AGC (**Total Gas Cost)	\$3,855,835.71	
	Sys Supply Purch	\$1,728,156.19	
	Core	\$189,801.30	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,937,878.22	
			tell
9	2% of AGC	\$77,116.71	
10	PAC = (TPBR) / AGC	24.05%	

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-19

		<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	\$14.7805	Demand Vol @ Max Rate	\$303,088.93
		TCO	80160	SST	190,880	\$6.1740	Demand Vol @ Max Rate	\$1,178,493.12
		TCO	81540	SST	30,000	\$6.1740	Demand Vol @ Max Rate	<u>\$185,220.00</u>
								\$1,666,802.05
			0					
			0			<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5793	Demand Vol @ Disc Rate	\$93,903.13
		TCO	0	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		TCO	SST	0	\$0.0000		<u>\$0.00</u>	
							\$1,018,285.93	
			0					
Marketed Cap Release		CGT	0		0	\$0.0000		\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$930.00
Marketed Cap Release		CGT	0		0	\$0.0000		\$1,240.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,925.40
Marketed Cap Release		CKT	FTS		0	\$0.0000		\$5,779.20
							Total TCI	\$671,080.32

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-19

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)			
1/1/19	\$3.4000	\$3.4700	\$3.5900	\$2.9350	\$3.0500	\$3.1200	\$2.5800	\$2.8200	\$2.8600	\$2.9717	\$3.1133	\$3.1900
1/2/19	\$3.4000	\$3.4700	\$3.5900	\$2.9350	\$3.0500	\$3.1200	\$2.5800	\$2.8200	\$2.8600	\$2.9717	\$3.1133	\$3.1900
1/3/19	\$3.4000	\$3.4700	\$3.5900	\$2.5550	\$2.6100	\$2.6800	\$2.5800	\$2.8200	\$2.8600	\$2.8450	\$2.9667	\$3.0433
1/4/19	\$3.4000	\$3.4700	\$3.5900	\$2.4600	\$2.5250	\$2.5900	\$2.5800	\$2.8200	\$2.8600	\$2.8133	\$2.9383	\$3.0133
1/5/19	\$3.4000	\$3.4700	\$3.5900	\$2.4950	\$2.5450	\$2.6400	\$2.5800	\$2.8200	\$2.8600	\$2.8250	\$2.9450	\$3.0300
1/6/19	\$3.4000	\$3.4700	\$3.5900	\$2.4950	\$2.5450	\$2.6400	\$2.5800	\$2.8200	\$2.8600	\$2.8250	\$2.9450	\$3.0300
1/7/19	\$3.4000	\$3.4700	\$3.5900	\$2.4950	\$2.5450	\$2.6400	\$2.5800	\$2.8200	\$2.8600	\$2.8250	\$2.9450	\$3.0300
1/8/19	\$3.4000	\$3.4700	\$3.5900	\$2.5100	\$2.5650	\$2.6200	\$2.6600	\$2.7400	\$2.8200	\$2.8567	\$2.9250	\$3.0100
1/9/19	\$3.4000	\$3.4700	\$3.5900	\$2.7100	\$2.7650	\$2.8400	\$2.6600	\$2.7400	\$2.8200	\$2.9233	\$2.9917	\$3.0833
1/10/19	\$3.4000	\$3.4700	\$3.5900	\$2.6900	\$2.7550	\$2.8350	\$2.6600	\$2.7400	\$2.8200	\$2.9167	\$2.9883	\$3.0817
1/11/19	\$3.4000	\$3.4700	\$3.5900	\$2.7050	\$2.7750	\$2.8550	\$2.6600	\$2.7400	\$2.8200	\$2.9217	\$2.9950	\$3.0883
1/12/19	\$3.4000	\$3.4700	\$3.5900	\$2.6650	\$2.7450	\$2.8200	\$2.6600	\$2.7400	\$2.8200	\$2.9083	\$2.9850	\$3.0767
1/13/19	\$3.4000	\$3.4700	\$3.5900	\$2.6650	\$2.7450	\$2.8200	\$2.6600	\$2.7400	\$2.8200	\$2.9083	\$2.9850	\$3.0767
1/14/19	\$3.4000	\$3.4700	\$3.5900	\$2.6650	\$2.7450	\$2.8200	\$2.6600	\$2.7400	\$2.8200	\$2.9083	\$2.9850	\$3.0767
1/15/19	\$3.4000	\$3.4700	\$3.5900	\$3.2650	\$3.2650	\$3.3600	\$3.2500	\$3.3300	\$3.3900	\$3.3050	\$3.3550	\$3.4467
1/16/19	\$3.4000	\$3.4700	\$3.5900	\$3.3500	\$3.4200	\$3.4850	\$3.2500	\$3.3300	\$3.3900	\$3.3333	\$3.4067	\$3.4883
1/17/19	\$3.4000	\$3.4700	\$3.5900	\$3.4350	\$3.5000	\$3.5650	\$3.2500	\$3.3300	\$3.3900	\$3.3617	\$3.4333	\$3.5150
1/18/19	\$3.4000	\$3.4700	\$3.5900	\$3.3500	\$3.3500	\$3.4200	\$3.2500	\$3.3300	\$3.3900	\$3.3333	\$3.3833	\$3.4667
1/19/19	\$3.4000	\$3.4700	\$3.5900	\$3.1750	\$3.2100	\$3.2400	\$3.2500	\$3.3300	\$3.3900	\$3.2750	\$3.3367	\$3.4067
1/20/19	\$3.4000	\$3.4700	\$3.5900	\$3.1750	\$3.2100	\$3.2400	\$3.2500	\$3.3300	\$3.3900	\$3.2750	\$3.3367	\$3.4067
1/21/19	\$3.4000	\$3.4700	\$3.5900	\$3.1750	\$3.2100	\$3.2400	\$3.2500	\$3.3300	\$3.3900	\$3.2750	\$3.3367	\$3.4067
1/22/19	\$3.4000	\$3.4700	\$3.5900	\$3.1750	\$3.2100	\$3.2400	\$2.9200	\$3.0200	\$3.0700	\$3.1650	\$3.2333	\$3.3000
1/23/19	\$3.4000	\$3.4700	\$3.5900	\$2.8300	\$2.9350	\$3.0300	\$2.9200	\$3.0200	\$3.0700	\$3.0500	\$3.1417	\$3.2300
1/24/19	\$3.4000	\$3.4700	\$3.5900	\$2.8850	\$2.9850	\$3.0400	\$2.9200	\$3.0200	\$3.0700	\$3.0683	\$3.1583	\$3.2333
1/25/19	\$3.4000	\$3.4700	\$3.5900	\$2.9650	\$3.0300	\$3.0500	\$2.9200	\$3.0200	\$3.0700	\$3.0950	\$3.1733	\$3.2367
1/26/19	\$3.4000	\$3.4700	\$3.5900	\$2.9300	\$3.0050	\$3.0550	\$2.9200	\$3.0200	\$3.0700	\$3.0833	\$3.1650	\$3.2383
1/27/19	\$3.4000	\$3.4700	\$3.5900	\$2.9300	\$3.0050	\$3.0550	\$2.9200	\$3.0200	\$3.0700	\$3.0833	\$3.1650	\$3.2383
1/28/19	\$3.4000	\$3.4700	\$3.5900	\$2.9300	\$3.0050	\$3.0550	\$2.9200	\$3.0200	\$3.0700	\$3.0833	\$3.1650	\$3.2383
1/29/19	\$3.4000	\$3.4700	\$3.5900	\$2.8850	\$2.9500	\$2.9550	\$2.7900	\$2.6500	\$2.7400	\$3.0250	\$3.0233	\$3.0950
1/30/19	\$3.4000	\$3.4700	\$3.5900	\$2.8950	\$2.8850	\$2.9150	\$2.7900	\$2.6500	\$2.7400	\$3.0283	\$3.0017	\$3.0817
1/31/19	\$3.4000	\$3.4700	\$3.5900	\$2.8750	\$2.8550	\$2.9150	\$2.7900	\$2.6500	\$2.7400	\$3.0217	\$2.9917	\$3.0817
Avg Rate	\$3.4000	\$3.4700	\$3.5900	\$2.8776	\$2.9353	\$2.9968	\$2.8465	\$2.9458	\$3.0065	\$3.0413	\$3.1170	\$3.1977

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	594,198	\$1,728,156.19	\$1,807,160.57	\$79,004.38
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$79,004.38

COLUMBIA GAS OF KENTUCKY
SALES Activity Booking Report
 Jan-19

DATA * STATUS	SALES TYPE **	SALES CATEGORY	SALES ID	RECEIPT	DELIVERY	CDC	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
				FLOW	FLOW				VOLUMES	SALES	TOTAL	
				DATE	DATE				INVOICED	RATE	SALE	
									Dth	\$/Dth	\$	
I	S	OPP	S0250589	1/1/19	1/1/19		TCO P1042737	WV	5,000	\$2.5100	\$12,550.00	\$250.00
I	S	OPP	S0250652	1/1/19	1/1/19		TCO P1042737	WV	240,000	\$3.4600	\$830,400.00	\$15,000.00
I	S	OPP	S0250672	1/1/19	1/1/19		TCO P1042737	WV	10,000	\$3.4400	\$34,400.00	\$425.00
I	S	OPP	S0250706	1/1/19	1/1/19		TCO P1042737	WV	8,100	\$3.5500	\$28,755.00	\$1,235.25
I	S	OPP	S0250708	1/1/19	1/1/19		TCO P1042737	WV	5,000	\$3.5500	\$17,750.00	\$762.50
									268,100		\$923,855.00	\$17,672.75

COLUMBIA GAS OF KENTUCKY
Off-System EXCHANGE Activity Report
Jan-19

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	# OF	# OF	DELIVERY POINT	STATE OF SALE	ESTIMATED SALES AMOUNTS			Current Month Proration			MARGIN	
				FLOW DATE	FLOW DATE	INVOICE MONTH	MONTHS IN TERM			MONTHS EXPIRED	VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	TRANSPORT COST	OTHER COST		TOTAL SALE
E	E	OPP	S0249395	9/1/18	1/1/19	1/1/19	5	5	TCO	WV	310,000	\$0.0800	\$24,800.00	\$0.00	\$0.00	\$4,960.00	\$4,960.00
E	E	OPP	S0249396	9/1/18		2/1/19	6	5	TCO	WV	280,000	\$0.0800	\$22,400.00	\$0.00	\$0.00	\$3,733.33	\$3,733.33
E	E	OPP	S0250594		1/1/19	4/1/19	4	1	TCO	WV	351,000	\$0.2000	\$70,200.00	\$0.00	\$0.00	\$17,550.00	\$17,550.00
E	E	OPP	S0250595		1/1/19	6/1/19	6	1	TCO	WV	351,000	\$0.2700	\$94,770.00	\$0.00	\$0.00	\$15,795.00	\$15,795.00
E	E	OPP	S0250664		1/1/19	6/1/19	6	1	TCO	WV	150,000	\$0.9000	\$135,000.00	\$0.00	\$0.00	\$22,500.00	\$22,500.00
E	E	OPP	S0250512		12/1/18	7/1/19	8	2	TCO	WV	542,500	\$0.9700	\$526,225.00	\$0.00	\$0.00	\$65,778.13	\$65,778.13
E	E	OPP	S0250612		1/1/19	8/1/19	8	1	TCO	WV	356,500	\$0.3200	\$114,080.00	\$0.00	\$0.00	\$14,260.00	\$14,260.00
E	E	OPP	S0250613		1/1/19	8/1/19	8	1	TCO	WV	356,500	\$0.3350	\$119,427.50	\$0.00	\$0.00	\$14,928.44	\$14,928.44
											2,697,500		\$1,106,902.50			\$159,504.90	\$159,504.90

FEBRUARY 2019

Columbia Gas of Kentucky, Inc.

Monthly Performance Based Rate Calculation

Flow Period: Feb-19

<u>Ln.</u>	<u>PBR Component Description</u>	Feb-19	
		ESTIMATE	
1	CPS = (TPBR) x ASP	\$13,846.39	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$445,436.24</u>	50% of remainder
3	Total Company Performance Share	\$459,282.63	
4	TCI (includes Marketed CapR)	\$761,037.61	
5	GCI	\$16,970.86	
6	OSSI		
	Sales	\$4,473.75	
	Exch	\$154,544.90	(1)
7	TPBR = (TCI+GCI+OSSI)	\$937,027.12	
8	AGC (**Total Gas Cost)	\$2,307,732.36	
	Sys Supply Purch	\$233,374.75	
	Core	\$144,480.00	(est)
	Misc Adjustment	\$0.00	
	Transportation	\$1,929,877.61	
9	2% of AGC	\$46,154.65	
10	PAC = (TPBR) / AGC	40.60%	

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: Feb-19

		<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	\$14.7805	Demand Vol @ Max Rate	\$303,088.93
		TCO	80160	SST	190,880	\$6.5800	Demand Vol @ Max Rate	\$1,255,990.40
		TCO	81540	SST	30,000	\$6.5800	Demand Vol @ Max Rate	<u>\$197,400.00</u>
			0				\$1,756,479.33	
			0			<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5793	Demand Vol @ Disc Rate	\$93,903.13
		TCO	0	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		TCO	SST	0	\$0.0000		<u>\$0.00</u>	
			0				\$1,018,285.93	
Marketed Cap Release		CGT	0		0	\$0.0000		\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$2,450.00
Marketed Cap Release		CGT	0		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,925.40
Marketed Cap Release		CKT	FTS		0	\$0.0000		\$5,779.20
							Total TCI	\$761,037.61

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-19

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)					
2/1/19	\$2.7400	\$2.7900	\$2.8800	\$2.7050	\$2.6900	\$2.7600	\$2.7900	\$2.6500	\$2.7400	\$2.7450	\$2.7100	\$2.7933
2/2/19	\$2.7400	\$2.7900	\$2.8800	\$2.5200	\$2.5350	\$2.6250	\$2.7900	\$2.6500	\$2.7400	\$2.6833	\$2.6583	\$2.7483
2/3/19	\$2.7400	\$2.7900	\$2.8800	\$2.5200	\$2.5350	\$2.6250	\$2.7900	\$2.6500	\$2.7400	\$2.6833	\$2.6583	\$2.7483
2/4/19	\$2.7400	\$2.7900	\$2.8800	\$2.5200	\$2.5350	\$2.6250	\$2.7900	\$2.6500	\$2.7400	\$2.6833	\$2.6583	\$2.7483
2/5/19	\$2.7400	\$2.7900	\$2.8800	\$2.3950	\$2.4050	\$2.5100	\$2.4000	\$2.4700	\$2.5400	\$2.5117	\$2.5550	\$2.6433
2/6/19	\$2.7400	\$2.7900	\$2.8800	\$2.4200	\$2.4450	\$2.5300	\$2.4000	\$2.4700	\$2.5400	\$2.5200	\$2.5683	\$2.6500
2/7/19	\$2.7400	\$2.7900	\$2.8800	\$2.4000	\$2.4750	\$2.5350	\$2.4000	\$2.4700	\$2.5400	\$2.5133	\$2.5783	\$2.6517
2/8/19	\$2.7400	\$2.7900	\$2.8800	\$2.4050	\$2.5000	\$2.5750	\$2.4000	\$2.4700	\$2.5400	\$2.5150	\$2.5867	\$2.6650
2/9/19	\$2.7400	\$2.7900	\$2.8800	\$2.4050	\$2.4800	\$2.5400	\$2.4000	\$2.4700	\$2.5400	\$2.5150	\$2.5800	\$2.6533
2/10/19	\$2.7400	\$2.7900	\$2.8800	\$2.4050	\$2.4800	\$2.5400	\$2.4000	\$2.4700	\$2.5400	\$2.5150	\$2.5800	\$2.6533
2/11/19	\$2.7400	\$2.7900	\$2.8800	\$2.4050	\$2.4800	\$2.5400	\$2.4000	\$2.4700	\$2.5400	\$2.5150	\$2.5800	\$2.6533
2/12/19	\$2.7400	\$2.7900	\$2.8800	\$2.5100	\$2.5650	\$2.6300	\$2.4500	\$2.4900	\$2.5800	\$2.5667	\$2.6150	\$2.6967
2/13/19	\$2.7400	\$2.7900	\$2.8800	\$2.4850	\$2.5450	\$2.6050	\$2.4500	\$2.4900	\$2.5800	\$2.5583	\$2.6083	\$2.6883
2/14/19	\$2.7400	\$2.7900	\$2.8800	\$2.4200	\$2.4750	\$2.5450	\$2.4500	\$2.4900	\$2.5800	\$2.5367	\$2.5850	\$2.6683
2/15/19	\$2.7400	\$2.7900	\$2.8800	\$2.4000	\$2.4800	\$2.5400	\$2.4500	\$2.4900	\$2.5800	\$2.5300	\$2.5867	\$2.6667
2/16/19	\$2.7400	\$2.7900	\$2.8800	\$2.4300	\$2.4850	\$2.5600	\$2.4500	\$2.4900	\$2.5800	\$2.5400	\$2.5883	\$2.6733
2/17/19	\$2.7400	\$2.7900	\$2.8800	\$2.4300	\$2.4850	\$2.5600	\$2.4500	\$2.4900	\$2.5800	\$2.5400	\$2.5883	\$2.6733
2/18/19	\$2.7400	\$2.7900	\$2.8800	\$2.4300	\$2.4850	\$2.5600	\$2.4500	\$2.4900	\$2.5800	\$2.5400	\$2.5883	\$2.6733
2/19/19	\$2.7400	\$2.7900	\$2.8800	\$2.4300	\$2.4850	\$2.5600	\$2.5100	\$2.5600	\$2.6400	\$2.5600	\$2.6117	\$2.6933
2/20/19	\$2.7400	\$2.7900	\$2.8800	\$2.5200	\$2.5850	\$2.6450	\$2.5100	\$2.5600	\$2.6400	\$2.5900	\$2.6450	\$2.7217
2/21/19	\$2.7400	\$2.7900	\$2.8800	\$2.4950	\$2.5850	\$2.6450	\$2.5100	\$2.5600	\$2.6400	\$2.5817	\$2.6450	\$2.7217
2/22/19	\$2.7400	\$2.7900	\$2.8800	\$2.5300	\$2.5900	\$2.6500	\$2.5100	\$2.5600	\$2.6400	\$2.5933	\$2.6467	\$2.7233
2/23/19	\$2.7400	\$2.7900	\$2.8800	\$2.5300	\$2.5800	\$2.6600	\$2.5100	\$2.5600	\$2.6400	\$2.5933	\$2.6433	\$2.7267
2/24/19	\$2.7400	\$2.7900	\$2.8800	\$2.5300	\$2.5800	\$2.6600	\$2.5100	\$2.5600	\$2.6400	\$2.5933	\$2.6433	\$2.7267
2/25/19	\$2.7400	\$2.7900	\$2.8800	\$2.5300	\$2.5800	\$2.6600	\$2.5100	\$2.5600	\$2.6400	\$2.5933	\$2.6433	\$2.7267
2/26/19	\$2.7400	\$2.7900	\$2.8800	\$2.7200	\$2.7200	\$2.8000	\$2.9600	\$2.9900	\$3.0200	\$2.8067	\$2.8333	\$2.9000
2/27/19	\$2.7400	\$2.7900	\$2.8800	\$2.8500	\$2.8550	\$2.8600	\$2.9600	\$2.9900	\$3.0200	\$2.8500	\$2.8783	\$2.9200
2/28/19	\$2.7400	\$2.7900	\$2.8800	\$2.7500	\$2.7900	\$2.7900	\$2.9600	\$2.9900	\$3.0200	\$2.8167	\$2.8567	\$2.8967
Avg Rate	\$2.7400	\$2.7900	\$2.8800	\$2.5032	\$2.5511	\$2.6191	\$2.5557	\$2.5789	\$2.6550	\$2.5996	\$2.6400	\$2.7180

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	96,300	\$233,374.75	\$250,345.61	\$16,970.86
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$16,970.86

COLUMBIA GAS OF KENTUCKY
SALES Activity Booking Report
Feb-19

DATA * STATUS	SALES TYPE **	SALES CATEGORY	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	CDC	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			MARGIN
									VOLUMES INVOICED	SALES RATE	TOTAL SALE	
									Dth	\$/Dth	\$	
I	S	OPP	S0250970	2/1/19	2/1/19		TCO	WV	6,200	\$2.6975	\$16,724.50	\$1,131.50
I	S	OPP	S0250971	2/1/19	2/1/19		TCO	WV	5,000	\$2.7200	\$13,600.00	\$1,235.00
I	S	OPP	S0250972	2/1/19	2/1/19		TCO	WV	5,000	\$2.7200	\$13,600.00	\$1,025.00
I	S	OPP	S0250973	2/1/19	2/1/19		TCO	WV	3,700	\$2.7200	\$10,064.00	\$1,082.25
									19,900		\$53,988.50	\$4,473.75

COLUMBIA GAS OF KENTUCKY
Off-System EXCHANGE Activity Report
Feb-19

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	# OF	# OF	DELIVERY	STATE	ESTIMATED SALES AMOUNTS			Current Month Proration			
				FLOW	FLOW	MONTHS	MONTHS		OF	VOLUMES	SALES RATE	TOTAL SALE	TRANSPORT COST	TOTAL SALE	MARGIN	
				DATE	DATE	IN TERM	EXPIRED		SALE							Dth
E	E	OPP	S0249396	9/1/18	2/1/19	2/1/19	6	6	TCO	WV	280,000	\$0.0800	\$22,400.00	\$0.00	\$3,733.33	\$3,733.33
E	E	OPP	S0250594		1/1/19	4/1/19	4	2	TCO	WV	351,000	\$0.2000	\$70,200.00	\$0.00	\$17,550.00	\$17,550.00
E	E	OPP	S0250595		1/1/19	6/1/19	6	2	TCO	WV	351,000	\$0.2700	\$94,770.00	\$0.00	\$15,795.00	\$15,795.00
E	E	OPP	S0250664		1/1/19	6/1/19	6	2	TCO	WV	150,000	\$0.9000	\$135,000.00	\$0.00	\$22,500.00	\$22,500.00
E	E	OPP	S0250512		12/1/18	7/1/19	8	3	TCO	WV	542,500	\$0.9700	\$526,225.00	\$0.00	\$65,778.13	\$65,778.13
E	E	OPP	S0250612		1/1/19	8/1/19	8	2	TCO	WV	356,500	\$0.3200	\$114,080.00	\$0.00	\$14,260.00	\$14,260.00
E	E	OPP	S0250613		1/1/19	8/1/19	8	2	TCO	WV	356,500	\$0.3350	\$119,427.50	\$0.00	\$14,928.44	\$14,928.44
											2,387,500		\$1,082,102.50		\$154,544.90	\$154,544.90

MARCH 2019

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

Flow Period: Mar-19

<u>Ln.</u>	<u>PBR Component Description</u>	Mar-19	
		ESTIMATE	
1	CPS = (TPBR) x ASP	\$28,111.62	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$498,705.82</u>	50% of remainder
3	Total Company Performance Share	\$526,817.44	
4	TCI (includes Marketed CapR)	\$761,300.11	
5	GCI	\$153,617.86	
6	OSSI	\$112.50	
	Sales	\$112.50	
	Exch	\$176,086.57	(1)
7	TPBR = (TCI+GCI+OSSI)	\$1,091,117.04	
8	AGC (**Total Gas Cost)	\$4,685,270.20	
	Sys Supply Purch	\$2,671,108.75	
	Core	\$117,350.50	(est)
	Misc Adjustment	\$0.00	
	Transportation	\$1,896,810.95	
9	2% of AGC	\$93,705.40	
10	PAC = (TPBR) / AGC	23.29%	

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: Mar-19

		<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	\$14.7805	Demand Vol @ Max Rate	\$303,088.93
		TCO	80160	SST	190,880	\$6.5800	Demand Vol @ Max Rate	\$1,255,990.40
		TCO	81540	SST	30,000	\$6.5800	Demand Vol @ Max Rate	<u>\$197,400.00</u>
			0				\$1,756,479.33	
			0			<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5793	Demand Vol @ Disc Rate	\$93,903.13
		TCO	0	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		TCO	SST	0	\$0.0000		<u>\$0.00</u>	
			0				\$1,018,285.93	
Marketed Cap Release		CGT	0		0	\$0.0000		\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$2,712.50
Marketed Cap Release		CGT	0		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,925.40
Marketed Cap Release		CKT	FTS		0	\$0.0000		\$5,779.20
							Total TCI	\$761,300.11

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-19

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)					
3/1/19	\$2.6500	\$2.7000	\$2.7900	\$2.7750	\$2.8250	\$2.8600	\$2.9600	\$2.9900	\$3.0200	\$2.7950	\$2.8383	\$2.8900
3/2/19	\$2.6500	\$2.7000	\$2.7900	\$3.1100	\$3.0800	\$3.1050	\$2.9600	\$2.9900	\$3.0200	\$2.9067	\$2.9233	\$2.9717
3/3/19	\$2.6500	\$2.7000	\$2.7900	\$3.1100	\$3.0800	\$3.1050	\$2.9600	\$2.9900	\$3.0200	\$2.9067	\$2.9233	\$2.9717
3/4/19	\$2.6500	\$2.7000	\$2.7900	\$3.1100	\$3.0800	\$3.1050	\$2.9600	\$2.9900	\$3.0200	\$2.9067	\$2.9233	\$2.9717
3/5/19	\$2.6500	\$2.7000	\$2.7900	\$4.0850	\$4.0450	\$4.0800	\$3.2500	\$3.1800	\$3.0800	\$3.3283	\$3.3083	\$3.3167
3/6/19	\$2.6500	\$2.7000	\$2.7900	\$3.0650	\$3.0450	\$3.0300	\$3.2500	\$3.1800	\$3.0800	\$2.9883	\$2.9750	\$2.9667
3/7/19	\$2.6500	\$2.7000	\$2.7900	\$2.8300	\$2.8600	\$2.9000	\$3.2500	\$3.1800	\$3.0800	\$2.9100	\$2.9133	\$2.9233
3/8/19	\$2.6500	\$2.7000	\$2.7900	\$2.7550	\$2.8100	\$2.8450	\$3.2500	\$3.1800	\$3.0800	\$2.8850	\$2.8967	\$2.9050
3/9/19	\$2.6500	\$2.7000	\$2.7900	\$2.6950	\$2.7600	\$2.8400	\$3.2500	\$3.1800	\$3.0800	\$2.8650	\$2.8800	\$2.9033
3/10/19	\$2.6500	\$2.7000	\$2.7900	\$2.6950	\$2.7600	\$2.8400	\$3.2500	\$3.1800	\$3.0800	\$2.8650	\$2.8800	\$2.9033
3/11/19	\$2.6500	\$2.7000	\$2.7900	\$2.6950	\$2.7600	\$2.8400	\$3.2500	\$3.1800	\$3.0800	\$2.8650	\$2.8800	\$2.9033
3/12/19	\$2.6500	\$2.7000	\$2.7900	\$2.6050	\$2.6500	\$2.7450	\$2.6000	\$2.6700	\$2.7600	\$2.6183	\$2.6733	\$2.7650
3/13/19	\$2.6500	\$2.7000	\$2.7900	\$2.5500	\$2.6300	\$2.7250	\$2.6000	\$2.6700	\$2.7600	\$2.6000	\$2.6667	\$2.7583
3/14/19	\$2.6500	\$2.7000	\$2.7900	\$2.5550	\$2.6400	\$2.7450	\$2.6000	\$2.6700	\$2.7600	\$2.6017	\$2.6700	\$2.7650
3/15/19	\$2.6500	\$2.7000	\$2.7900	\$2.6200	\$2.7050	\$2.7850	\$2.6000	\$2.6700	\$2.7600	\$2.6233	\$2.6917	\$2.7783
3/16/19	\$2.6500	\$2.7000	\$2.7900	\$2.6250	\$2.7000	\$2.7850	\$2.6000	\$2.6700	\$2.7600	\$2.6250	\$2.6900	\$2.7783
3/17/19	\$2.6500	\$2.7000	\$2.7900	\$2.6250	\$2.7000	\$2.7850	\$2.6000	\$2.6700	\$2.7600	\$2.6250	\$2.6900	\$2.7783
3/18/19	\$2.6500	\$2.7000	\$2.7900	\$2.6250	\$2.7000	\$2.7850	\$2.6000	\$2.6700	\$2.7600	\$2.6250	\$2.6900	\$2.7783
3/19/19	\$2.6500	\$2.7000	\$2.7900	\$2.6650	\$2.7100	\$2.8050	\$2.5900	\$2.6900	\$2.7200	\$2.6350	\$2.7000	\$2.7717
3/20/19	\$2.6500	\$2.7000	\$2.7900	\$2.6650	\$2.7400	\$2.8150	\$2.5900	\$2.6900	\$2.7200	\$2.6350	\$2.7100	\$2.7750
3/21/19	\$2.6500	\$2.7000	\$2.7900	\$2.5900	\$2.6800	\$2.7750	\$2.5900	\$2.6900	\$2.7200	\$2.6100	\$2.6900	\$2.7617
3/22/19	\$2.6500	\$2.7000	\$2.7900	\$2.5750	\$2.6800	\$2.7350	\$2.5900	\$2.6900	\$2.7200	\$2.6050	\$2.6900	\$2.7483
3/23/19	\$2.6500	\$2.7000	\$2.7900	\$2.5600	\$2.6300	\$2.7050	\$2.5900	\$2.6900	\$2.7200	\$2.6000	\$2.6733	\$2.7383
3/24/19	\$2.6500	\$2.7000	\$2.7900	\$2.5600	\$2.6300	\$2.7050	\$2.5900	\$2.6900	\$2.7200	\$2.6000	\$2.6733	\$2.7383
3/25/19	\$2.6500	\$2.7000	\$2.7900	\$2.5600	\$2.6300	\$2.7050	\$2.5900	\$2.6900	\$2.7200	\$2.6000	\$2.6733	\$2.7383
3/26/19	\$2.6500	\$2.7000	\$2.7900	\$2.5650	\$2.6150	\$2.6950	\$2.4700	\$2.5300	\$2.6400	\$2.5617	\$2.6150	\$2.7083
3/27/19	\$2.6500	\$2.7000	\$2.7900	\$2.5400	\$2.6000	\$2.6900	\$2.4700	\$2.5300	\$2.6400	\$2.5533	\$2.6100	\$2.7067
3/28/19	\$2.6500	\$2.7000	\$2.7900	\$2.4600	\$2.5100	\$2.6100	\$2.4700	\$2.5300	\$2.6400	\$2.5267	\$2.5800	\$2.6800
3/29/19	\$2.6500	\$2.7000	\$2.7900	\$2.4100	\$2.5100	\$2.6250	\$2.4700	\$2.5300	\$2.6400	\$2.5100	\$2.5800	\$2.6850
3/30/19	\$2.6500	\$2.7000	\$2.7900	\$2.4100	\$2.5100	\$2.6250	\$2.4700	\$2.5300	\$2.6400	\$2.5100	\$2.5800	\$2.6850
3/31/19	\$2.6500	\$2.7000	\$2.7900	\$2.4100	\$2.5100	\$2.6250	\$2.4700	\$2.5300	\$2.6400	\$2.5100	\$2.5800	\$2.6850
Avg Rate	\$2.6500	\$2.7000	\$2.7900	\$2.7129	\$2.7673	\$2.8394	\$2.7658	\$2.8039	\$2.8335	\$2.7096	\$2.7570	\$2.8210

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,042,500	\$2,671,108.75	\$2,824,726.61	\$153,617.86
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$153,617.86

COLUMBIA GAS OF KENTUCKY
SALES Activity Booking Report
Mar-19

DATA *	SALES	SALES	RECEIPT	DELIVERY	DELIVERY	STATE	INVOICED SALES AMOUNTS			MARGIN	
							FLOW	FLOW	OF		VOLUMES
<u>STATUS</u>	<u>TYPE **</u>	<u>CATEGORY</u>	<u>SALES ID</u>	<u>DATE</u>	<u>DATE</u>	<u>CDC</u>	<u>POINT</u>	<u>SALE</u>	<u>INVOICED</u>	<u>RATE</u>	<u>SALE</u>
								Dth	\$/Dth	\$	
E	S	OPP	S0251034	3/1/19	3/1/19	TCO	WV	\$15,000.00	\$2.69	\$40,350.00	\$112.50

COLUMBIA GAS OF KENTUCKY
 Off-System EXCHANGE Activity Report
 Mar-19

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	INVOICE MONTH	# OF MONTHS IN TERM	# OF MONTHS EXPIRED	DELIVERY POINT	STATE OF SALE	ESTIMATED SALES AMOUNTS			Current Month Proration		
				FLOW	FLOW						SALES	TOTAL	TRANSPORT	TOTAL	MARGIN	
				DATE	DATE						RATE	SALE	COST	SALE		
E	E	OPP	S0251017	3/1/19	3/1/19	3/1/19	1	1	TCO	WV	10,000 Dth	(\$0.0300) \$/Dth	(\$300.00) \$	\$0.00	(\$300.00)	(\$300.00)
E	E	OPP	S0250594		1/1/19	4/1/19	4	3	TCO	WV	351,000	\$0.2000	\$70,200.00	\$0.00	\$17,550.00	\$17,550.00
E	E	OPP	S0249729		3/1/19	5/1/19	3	1	TCO	WV	232500	\$0.3300	\$76,725.00	\$0.00	\$25,575.00	\$25,575.00
E	E	OPP	S0250595		1/1/19	6/1/19	6	3	TCO	WV	351,000	\$0.2700	\$94,770.00	\$0.00	\$15,795.00	\$15,795.00
E	E	OPP	S0250664		1/1/19	6/1/19	6	3	TCO	WV	150,000	\$0.9000	\$135,000.00	\$0.00	\$22,500.00	\$22,500.00
E	E	OPP	S0250512		12/1/18	7/1/19	8	4	TCO	WV	542,500	\$0.9700	\$526,225.00	\$0.00	\$65,778.13	\$65,778.13
E	E	OPP	S0250612		1/1/19	8/1/19	8	3	TCO	WV	356,500	\$0.3200	\$114,080.00	\$0.00	\$14,260.00	\$14,260.00
E	E	OPP	S0250613		1/1/19	8/1/19	8	3	TCO	WV	356,500	\$0.3350	\$119,427.50	\$0.00	\$14,928.44	\$14,928.44
											2,350,000		\$1,136,127.50		\$176,086.57	\$176,086.57

PIPELINE COMPANY TARIFF SHEETS

Columbia Gulf Transmission, LLC
 FERC Tariff
 Third Revised Volume No. 1

V.1.
 Currently Effective Rates
 FTS-1 Rates
 Version 13.0.0

Currently Effective Rates
 Applicable to Rate Schedule FTS-1
 Rates in Dollars per Dth

Rate Schedule FTS-1	<u>Base Rate</u> (1) 1/	<u>Total Effective Rate</u> (2) 1/	<u>Daily Rate</u> (3) 1/
<u>Market Zone</u>			
Reservation Charge			
Maximum	4.170	4.170	0.1371
Minimum	0.000	0.000	0.000
Commodity			
Maximum	0.0109	0.0109	0.0109
Minimum	0.0109	0.0109	0.0109
Overrun			
Maximum	0.1480	0.1480	0.1480
Minimum	0.0109	0.0109	0.0109

1/ Excludes the Annual Charge Adjustment (ACA) Surcharge. An ACA Commodity surcharge per Dth shall be assessed where applicable pursuant to Section 154.402 of the Commission's Regulations and in accordance with Section 31 of the GTC of Transporter's FERC Gas Tariff. The ACA unit charge authorized for each fiscal year (commencing October 1) by the Commission and posted on its website (<http://www.ferc.gov>) is incorporated herein by reference.

Issued On: October 24, 2016

Effective On: July 1, 2016

Columbia Gas Transmission, LLC
 FERC Tariff
 Fourth Revised Volume No. 1

V.8.
 Currently Effective Rates
 SST Rates
 Version 55.0.0

Currently Effective Rates
 Applicable to Rate Schedule SST
 Rate Per Dth

		Base Tariff Rate 1/ 2/	TCRA Rates	EPCA Rates	OTRA Rates	CCRM Rates	Total Effective Rate 2/	Daily Rate 2/
Rate Schedule SST								
Reservation Charge 3/4/ Commodity	\$	5.743	0.257	0.058	0.062	0.474	6.594	0.2167
Maximum	¢	1.02	0.14	0.44	0.00	0.00	1.60	1.60
Minimum	¢	1.02	0.14	0.44	0.00	0.00	1.60	1.60
Overrun 4/								
Maximum	¢	19.90	0.98	0.63	0.20	1.56	23.27	23.27
Minimum	¢	1.02	0.14	0.44	0.00	0.00	1.60	1.60

- 1/ Excludes Account 858 expenses and Electric Power Costs which are recovered through Columbia's Transportation Costs Rate Adjustment (TCRA) and Electric Power Costs Adjustment (EPCA), respectively.
- 2/ Excludes the Annual Charge Adjustment (ACA) Surcharge. An ACA Commodity surcharge per Dth shall be assessed where applicable pursuant to Section 154.402 of the Commission's Regulations and in accordance with Section 34 of the GTC of Transporter's FERC Gas Tariff. The ACA unit charge authorized for each fiscal year (commencing October 1) by the Commission and posted on its website (<http://www.ferc.gov>) is incorporated herein by reference.
- 3/ Minimum reservation charge is \$0.00.
- 4/ Shippers utilizing the Eastern Market Expansion (EME) facilities for Rate Schedule SST service will pay a total SST reservation charge of \$17.625. If EME customers incur an overrun for SST services that is provided under their EME Project service agreements, they will pay a total overrun rate of 58.97 cents. The applicable EME demand charge and EME overrun charge can be added to the applicable surcharges above to calculate the EME Total Effective Rates.

Issued On: March 1, 2019

Effective On: April 1, 2019

Columbia Gas Transmission, LLC
 FERC Tariff
 Fourth Revised Volume No. 1

V.1.
 Currently Effective Rates
 FTS Rates
 Version 55.0.0

Currently Effective Rates
 Applicable to Rate Schedule FTS
 Rate Per Dth

	Base Tariff Rate 1/ 2/	TCRA Rates	EPCA Rates	OTRA Rates	CCRM Rates	Total Effective Rate 2/	Daily Rate 2/
Rate Schedule FTS							
Reservation Charge 3/	\$ 5.903	0.257	0.058	0.062	0.474	6.754	0.2220
Commodity							
Maximum	¢ 1.04	0.14	0.44	0.00	0.00	1.62	1.62
Minimum	¢ 1.04	0.14	0.44	0.00	0.00	1.62	1.62
Overrun							
Maximum	¢ 20.45	0.98	0.63	0.20	1.56	23.82	23.82
Minimum	¢ 1.04	0.14	0.44	0.00	0.00	1.62	1.62

- 1/ Excludes Account 858 expenses and Electric Power Costs which are recovered through Columbia's Transportation Costs Rate Adjustment (TCRA) and Electric Power Costs Adjustment (EPCA), respectively.
- 2/ Excludes the Annual Charge Adjustment (ACA) Surcharge. An ACA Commodity surcharge per Dth shall be assessed where applicable pursuant to Section 154.402 of the Commission's Regulations and in accordance with Section 34 of the GTC of Transporter's FERC Gas Tariff. The ACA unit charge authorized for each fiscal year (commencing October 1) by the Commission and posted on its website (<http://www.ferc.gov>) is incorporated herein by reference.
- 3/ Minimum reservation charge is \$0.00.

Issued On: March 1, 2019

Effective On: April 1, 2019

Currently Effective Rates
 Applicable to Rate Schedule FSS
 Rate Per Dth

	Base Tariff Rate 1/	Transportation Cost Rate Adjustment		Electric Power Costs Adjustment		Annual Charge Adjustment 2/	Total Effective Rate	Daily Rate
		Current	Surcharge	Current	Surcharge			
Rate Schedule FSS								
Reservation Charge 3/ \$	1.501	-	-	-	-	-	1.501	0.0493
Capacity 3/ ¢	2.88	-	-	-	-	-	2.88	2.88
Injection ¢	1.53	-	-	-	-	-	1.53	1.53
Withdrawal ¢	1.53	-	-	-	-	-	1.53	1.53
Overrun 3/ ¢	10.87	-	-	-	-	-	10.87	10.87

1/ Excludes Account 858 expenses and Electric Power Costs which are recovered through Columbia's Transportation Costs Rate Adjustment (TCRA) and Electric Power Costs Adjustment (EPCA), respectively.

2/ ACA assessed where applicable pursuant to Section 154.402 of the Commission's Regulations.

3/ Shippers utilizing the Eastern Market Expansion (EME) facilities for FSS service will pay a total FSS MDSQ reservation charge of \$4.130 and a total FSS SCQ capacity rate of 6.80 cents. If EME customers incur an overrun for FSS services that is provided under their EME Project service agreements, they will pay a total FSS overrun rate of 23.44 cents. The additional EME demand charges and EME overrun charges can be added to the applicable surcharges above to develop the EME Total Effective Rate.



RATE CARD

This information is provided for illustrative purposes and general information only. It may not be current and may contain typographical or other errors. The authoritative source for Tennessee's rates is Tennessee's FERC Gas Tariff.

Annual F&LR and EPCR Adjustment - effective 04/01/2019

FIRM TRANSPORTATION: FT-GS 1)

Receipt From	Delivery To							
	Zone 0	Zone L	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
Zone 0								
Usg-Max	\$0.3004		\$0.6323	\$0.8527	\$0.8714	\$1.1961	\$1.2415	\$1.5416
Usg-Min	0.0032		0.0115	0.0177	0.0219	0.0250	0.0284	0.0346
Overrun	0.3004		0.6323	0.8527	0.8714	1.1961	1.2415	1.5416
Zone L								
Usg-Max		\$0.2651						
Usg-Min		0.0012						
Overrun		0.2651						
Zone 1								
Usg-Max	\$0.4516		\$0.4368	\$0.5850	\$0.8260	\$1.0189	\$1.1251	\$1.3635
Usg-Min	0.0042		0.0081	0.0147	0.0179	0.0210	0.0256	0.0300
Overrun	0.4516		0.4368	0.5850	0.8260	1.0189	1.1251	1.3635
Zone 2								
Usg-Max	\$0.8518		\$0.5759	\$0.2964	\$0.2787	\$0.4250	\$0.6011	\$0.7547
Usg-Min	0.0167		0.0087	0.0012	0.0028	0.0056	0.0100	0.0143
Overrun	0.8518		0.5759	0.2964	0.2787	0.4250	0.6011	0.7547
Zone 3								
Usg-Max	\$0.8703		\$0.4657	\$0.3001	\$0.2149	\$0.4260	\$0.7295	\$0.8344
Usg-Min	0.0207		0.0169	0.0026	0.0002	0.0081	0.0118	0.0163
Overrun	0.8703		0.4657	0.3001	0.2149	0.4260	0.7295	0.8344
Zone 4								
Usg-Max	\$1.1038		\$1.0152	\$0.3878	\$0.5866	\$0.3267	\$0.3681	\$0.5381
Usg-Min	0.0250		0.0205	0.0087	0.0105	0.0028	0.0046	0.0092
Overrun	1.1038		1.0152	0.3878	0.5866	0.3267	0.3681	0.5381
Zone 5								
Usg-Max	\$1.3148		\$0.9293	\$0.4076	\$0.4929	\$0.3762	\$0.3563	\$0.4599
Usg-Min	0.0284		0.0256	0.0100	0.0118	0.0046	0.0046	0.0066
Overrun	1.3148		0.9293	0.4076	0.4929	0.3762	0.3563	0.4599
Zone 6								
Usg-Max	\$1.5227		\$1.0678	\$0.7289	\$0.8035	\$0.6530	\$0.3449	\$0.2852
Usg-Min	0.0346		0.0300	0.0143	0.0163	0.0086	0.0041	0.0020
Overrun	1.5227		1.0678	0.7289	0.8035	0.6530	0.3449	0.2852

EXTENDED DELIVERY SERVICE / EXTENDED RECEIPT SERVICE 1)

Receipt From	Delivery To							
	Zone 0	Zone L	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
Zone 0								
Daily Res			\$0.3729	\$0.5015	\$0.5104	\$0.5608	\$0.5953	\$0.7469
Zone L								
Daily Res								
Zone 1								
Daily Res	\$0.2686			\$0.3427	\$0.4854	\$0.4780	\$0.5391	\$0.6628
Zone 2								
Daily Res	\$0.5015		\$0.3406	\$0.0000	\$0.1656	\$0.2119	\$0.2915	\$0.3762
Zone 3								
Daily Res	\$0.5104		\$0.2698	\$0.1786		\$0.1979	\$0.3580	\$0.4135
Zone 4								
Daily Res	\$0.6480		\$0.5975	\$0.2276	\$0.3460		\$0.1832	\$0.2616
Zone 5								
Daily Res	\$0.7726		\$0.5430	\$0.2387	\$0.2890	\$0.1882		\$0.2298
Zone 6								
Daily Res	\$0.8939		\$0.6236	\$0.4292	\$0.4728	\$0.3339	\$0.1757	

STORAGE SERVICE 2)

	Deliverability	Capacity	Ini./With.	Overrun	F&LR	EPCR
FS-PA	\$1.9915	\$0.0202	\$0.0073	\$0.2390	1.75%	\$0.0000
FS-MA	1.4630	0.0200	0.0087	0.1756	1.75%	0.0000
IS-PA		0.0998	0.0073		1.75%	0.0000
IS-MA		0.0804	0.0087		1.75%	0.0000

PARK AND LOAN SERVICE

PAL Daily Rate	\$0.3886
PAL Term Rate	\$0.3886

1) Rates are exclusive of surcharges.

	FT-GS
ACA Commodity Surcharge	\$0.0013
PS-GHG Commodity Surcharge	\$0.0015

2) Losses of 0.01% are included in the Storage F&LR.

Currently Effective Rates
 Applicable to Rate Schedule FTS
 Rate per Dth

	Base Tariff Rate 2/	Total Effective Rate 2/	Daily Rate 2/
Rate Schedule FTS			
Reservation Charge 1/ Commodity	\$ 0.493	0.493	0.0162
Maximum	¢ 0.00	0.00	0.00
Minimum	¢ 0.00	0.00	0.00
Overrun	¢ 1.62	1.62	1.62

1/ Minimum reservation charge is \$0.00.

2/ Excludes the Annual Charge Adjustment (ACA) Surcharge. An ACA Commodity surcharge per Dth shall be assessed where applicable pursuant to Section 154.402 of the Commission's Regulations and in accordance with Section 31 of the GTC of Transporter's FERC Gas Tariff. The ACA unit charge authorized for each fiscal year (commencing October 1) by the Commission and posted on its website (<http://www.ferc.gov>) is incorporated herein by reference.

RETAINAGE PERCENTAGE

Transportation Retainage 0.460%

RETAINAGE PERCENTAGES

Transportation Retainage	1.492%
Gathering Retainage	5.000%
Storage Gas Loss Retainage	0.350%
Ohio Storage Gas Loss Retainage	0.470%
Columbia Processing Retainage 1/	0.000%

1/ The Columbia Processing Retainage shall be assessed separately from the processing retainage applicable to third party processing plants set forth in Section 25.3 (f) of the General Terms and Conditions.

THIRD PARTY PAYMENT AGREEMENT

THIS THIRD PARTY PAYMENT AGREEMENT (this "Agreement") dated as of October 1, 2015 (the "Effective Date") by and COLUMBIA GAS TRANSMISSION, LLC, f/k/a Columbia Gas Transmission Corporation ("Owner-Operator"), and COLUMBIA GAS OF KENTUCKY, INC. ("CKY") under the following circumstances (CKY and Owner-Operator are individually referred to herein as a "Party" and collectively as the "Parties"):

- A. CKY owns all of the outstanding voting securities of Central Kentucky Transmission Company, a Delaware corporation ("Co-Owner"). Co-Owner is engaged in the interstate transportation of gas and owns a 25 percent undivided interest in Owner-Operator's line KA-1 North interstate transmission pipeline and appurtenant facilities (the "Pipeline"). The Pipeline is Co-Owner's only asset subject to the jurisdiction of the Federal Energy Regulatory Commission (the "FERC"). CKY holds all of the shipping capacity on Co-Owner's portion of the Pipeline. The remaining 75 percent undivided interest in the Pipeline is owned by Owner-Operator.
- B. Owner-Operator and Co-Owner are parties to that certain Operating Agreement dated as of March 18, 2005, as amended by that certain Amendment to Operating Agreement dated as of April 25, 2006 and by that certain Second Amendment to Operating Agreement dated July 1, 2015 (the "Existing Operating Agreement") wherein Owner-Operator and Co-Owner have agreed to the terms and conditions regarding the provision of Operational Services and Commercial Services by Owner-Operator to Co-Owner. Capitalized terms used and not otherwise defined herein have the respective meanings given to such terms in the Operating Agreement.
- C. Pursuant to the Existing Operating Agreement, Co-Owner pays Owner-Operator a Flat Monthly Charge for Operational Services equal to \$7,300, and a Flat Monthly Charge for Commercial Services equal to \$8,333. \$6,000 per month of the Flat Monthly Charge for Operational Services is recovered by Co-Owner through Co-Owner's tariff rates for shipping service on file with the FERC. The remaining \$1,300 of the Flat Monthly Charge for Operational Services and the \$8,333 Flat Monthly Charge for Commercial Services (collectively, such amount being referred to herein as the "Incremental Monthly Charges") is not being recovered by Co-Owner through rates or otherwise.
- D. To avoid the expense and delay in time that would be required for Co-Owner to file an application with FERC to increase Co-Owner's tariff rates so that Co-Owner could recover through rates the Incremental Monthly Charge, which would be paid entirely by CKY, CKY and Co-Owner desire instead to have CKY pay Owner-Operator monthly the amount of the Incremental Monthly Charge.
- E. Contemporaneously with the execution and delivery of this Agreement, Co-Owner and Owner-Operator are executing and delivering that certain Third Amendment to Operating Agreement dated as of the date hereof (the "Third Amendment") whereby Owner-Operator and Co-Owner are amending the Existing Operating Agreement to

provide that Owner-Operator will invoice CKY monthly for the Incremental Monthly Charge.

NOW THEREFORE, in consideration of the mutual covenants and agreements contained herein, and intending to be legally bound hereby, the Parties agree as follows:

1. Incorporation of Recitals; Definitions. The Recitals set forth hereinabove are incorporated into this Agreement as if restated and set forth in full. Capitalized terms used and not otherwise defined herein have the respective meanings given such terms in the Existing Operating Agreement, as amended by the Third Amendment (the "Operating Agreement"). As used herein, the term "Section" refers to a Section of this Agreement.

2. Invoicing by Owner-Operator. Unless and until Owner-Operator receives written notice from Co-Operator and CKY to invoice Co-Owner and CKY in a different manner, Owner-Operator shall invoice CKY each month for (a) \$1,300 of the Flat Monthly Charge for Operational Services and (b) all of the \$8,333 of the Flat Monthly Charge for the Commercial Services. Owner-Operator agrees to accept payment of all amounts from CKY made on Co-Owner's behalf. Notwithstanding anything herein to the contrary, the Parties agree that Co-Owner shall at all times during the term of this Agreement remain primarily liable for the Flat Monthly Charges under the Operating Agreement, including, without limitation, the Incremental Monthly Charges that shall be invoiced to CKY under this Agreement. In the event CKY fails to make any payment in whole or in part of any Incremental Monthly Charge that is properly due and payable under the Operating Agreement, CKY agrees that Owner-Operator shall have the right to seek collection of all such amounts that become properly due and payable under the Operating Agreement from either CKY or Co-Owner.

2. Payment by CKY. During the Term, CKY agrees to pay timely all invoices for Incremental Monthly Charges due and payable under the Operating Agreement, together with any interest and penalties for late payment accruing with respect to such Incremental Monthly Charges. CKY reserves the right to assert all defenses, counterclaims and offsets that Co-Owner could assert under the Amended Operating Agreement. CKY's payment obligations under this Agreement are specifically limited to payment of the Incremental Monthly Charges as and when the same become due under the Operating Agreement and CKY is not and shall not become obligated in any manner to perform any other obligations or make other payments that may become due or otherwise owed to Owner-Operator by Co-Owner or others pursuant to or arising out of the Operating Agreement. This Agreement does not constitute a guaranty or create any other instrument of suretyship.

3. Term; Termination.

a. The term of this Agreement ("Term") shall commence on the Effective Date and shall continue until the earlier of (i) termination of the Operating Agreement, or (ii) termination pursuant to Section 3.b. Termination is not an election of remedies for any breach or default of a Party's obligations under this Agreement, and shall discharge only those obligations that have not accrued as of the effective date of termination. Any right or duty of a Party based on either the performance or breach of this Agreement prior to the effective date of termination shall survive the Term.

- b. This Agreement may be terminated:
- i. by CKY, for any reason or for convenience, upon thirty (30) days prior written notice to Owner-Operator; or
 - ii. by Owner-Operator, upon fifteen (15) days prior written notice to CKY, in the event CKY fails to make any payment required to be made under this Agreement when due and such failure continues for a period of forty-five (45) days; or
 - iii. by either party, upon written notice to the other, in the event such other Party files a voluntary petition in bankruptcy or reorganization or fails to have such a petition filed against it dismissed within thirty (30) days or admits in writing its insolvency or inability to pay its liabilities as they come due, or assigns its assets for the benefit of creditors, or suffers a receiver to be appointed for its assets or suspends its business;
 - iv. immediately, without the requirement of notice by or to any Party, in the event that Co-Owner files a voluntary petition in bankruptcy or reorganization or fails to have such a petition filed against it dismissed within thirty (30) days or admits in writing its insolvency or inability to pay its liabilities as they come due, or assigns its assets for the benefit of creditors, or suffers a receiver to be appointed for its assets or suspends its business.

4. Notices. All notices required or permitted to be made pursuant to this Agreement shall be in writing and delivered by U.S. Mail, email, in person or by a nationally recognized overnight courier, to the Parties at the following respective addresses, or such other address as a Party may specify by written notice duly given pursuant to this Section:

If to CKY:

Columbia Gas of Kentucky, Inc.
2001 Mercer Road
Lexington, KY 40511
Attention: President
Phone: 859-288-0275

with a copy to:

Columbia Gas of Kentucky, Inc.
2001 Mercer Road
Lexington, KY 40511
Attention: Director of Regulatory
Phone: 859-288-0242



If to Owner-Operator:

Columbia Gas Transmission, LLC
5151 San Felipe
Suite 2400
Houston, TX 77056
Attention: Sr. Vice President, Commercial Operations
Phone: 713-386-3488

Notices shall be deemed received three business days after being deposited into the U.S. mail, or at the time transmitted by email, if such transmission is telephonically or digitally confirmed as having been received by the recipient, or when actually received if delivered by hand delivery or overnight courier.

5. Third-Party Beneficiaries. Co-Owner is expressly made a third-party beneficiary to this Agreement. There are no other third-party beneficiaries to this Agreement.

6. Counterparts; Entire Agreement. This Agreement may be executed in counterparts, each of which shall be deemed an original instrument, but all such counterparts together shall constitute one and the same agreement. This Agreement constitutes the entire agreement among the Parties pertaining to the subject matter hereof, and supersedes all prior agreements, understandings, negotiations and discussions, whether oral or written, of the Parties pertaining to the subject matter hereof.

7. Binding Agreement. Each Party hereby represents and warrants that this Agreement is a legal, valid and binding obligation of such Party and is enforceable against such Party in accordance with its terms.

8. Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the Parties and their respective successors and assigns.

9. Rules of Construction; No Waiver. Section headings and titles used in this Agreement are for convenience of reference only and in no way define, limit, extend or describe the scope or intent of any provisions of this Agreement. If any section, subsection, term or provision of this Agreement or the application thereof to any party or circumstance shall, to any extent, be invalid or unenforceable, the remainder of such section, subsection, term or provision and the application of the same to parties or circumstances other than those to which it is held invalid or unenforceable shall not be affected thereby, and shall be valid and enforceable to the fullest extent permitted by law. Amendments, modifications and waivers to this Agreement shall be made only by written instrument signed by both Parties. Any waiver by a party of any provision or condition of this Agreement shall not be construed or deemed to be a waiver of any other provision or condition of this Agreement, nor a waiver of a subsequent breach of the same provision or condition, whether such breach is of the same or a different nature as the prior breach.

10. Governing Law. This Agreement shall be construed and enforced in accordance with the internal laws of the State of Kentucky, without regard to any principles relating to conflicts of law that may direct the application of the laws of another jurisdiction.

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be duly executed and delivered by their duly authorized officers as of the Effective Date.

COLUMBIA GAS TRANSMISSION, LLC

✱

By: Stanley G. Chapman, III
Name: Stanley G. Chapman, III
Its: Executive Vice President and Chief Commercial Officer

COLUMBIA GAS OF KENTUCKY, INC.

By: Herbert A. Miller
Name: Herbert A. Miller
Its: President

PROPOSED TARIFF SHEETS

CURRENTLY EFFECTIVE BILLING RATES

<u>SALES SERVICE</u>	<u>Base Rate</u>	<u>Gas Cost Adjustment^{1/}</u>		<u>Total</u>	
	<u>Charge</u>	<u>Demand</u>	<u>Commodity</u>	<u>Billing</u>	
	\$	\$	\$	\$	
<u>RATE SCHEDULE GSR</u>					
Customer Charge per billing period	16.00			16.00	
Delivery Charge per Mcf	3.5665 ^{3/}	1.2761	2.7865	7.6291	R
<u>RATE SCHEDULE GSO</u>					
<u>Commercial or Industrial</u>					
Customer Charge per billing period	44.69			44.69	
Delivery Charge per Mcf -					
First 50 Mcf or less per billing period	3.0181 ^{3/}	1.2761	2.7865	7.0807	R
Next 350 Mcf per billing period	2.3295 ^{3/}	1.2761	2.7865	6.3921	R
Next 600 Mcf per billing period	2.2143 ^{3/}	1.2761	2.7865	6.2769	R
Over 1,000 Mcf per billing period	2.0143 ^{3/}	1.2761	2.7865	6.0769	R
<u>RATE SCHEDULE IS</u>					
Customer Charge per billing period	2007.00			2007.00	
Delivery Charge per Mcf					
First 30,000 Mcf per billing period	0.6285 ^{3/}		2.7865 ^{2/}	3.4150	R
Next 70,000 Mcf per billing period	0.3737 ^{3/}		2.7865 ^{2/}	3.1602	R
Over 100,000 Mcf per billing period	0.3247 ^{3/}		2.7865 ^{2/}	3.1112	R
Firm Service Demand Charge					
Demand Charge times Daily Firm					
Volume (Mcf) in Customer Service Agreement		6.5730		6.5730	R
<u>RATE SCHEDULE IUS</u>					
Customer Charge per billing period	567.40			567.40	
Delivery Charge per Mcf					
For All Volumes Delivered	1.1544 ^{3/}	1.2761	2.7865	5.2170	R

1/ The Gas Cost Adjustment, as shown, is an adjustment per Mcf determined in accordance with the "Gas Cost Adjustment Clause" as set forth on Sheets 48 through 51 of this Tariff. The Gas Cost Adjustment applicable to a customer who is receiving service under Rate Schedule GS or IUS and received service under Rate Schedule SVGTS shall be 4.3987 per Mcf only for those months of the prior twelve months during which they were served under Rate Schedule SVGTS.

2/ IS Customers may be subject to the Demand Gas Cost, under the conditions set forth on Sheets 14 and 15 of this tariff.

3/ The Delivery Charge will be adjusted at billing by the Tax Act Adjustment Factor set forth on Sheet 7a.

DATE OF ISSUE May 1, 2019
 DATE EFFECTIVE May 31, 2019 (Unit 1 June)
 ISSUED BY *Herbert A. Miller, Jr.*
 TITLE President

**CURRENTLY EFFECTIVE BILLING RATES
 (Continued)**

<u>TRANSPORTATION SERVICE</u>	<u>Base Rate Charge</u> \$	<u>Gas Cost Adjustment^{1/} Demand</u> \$	<u>Commodity</u> \$	<u>Total Billing Rate^{3/}</u> \$	
<u>RATE SCHEDULE SS</u>					
Standby Service Demand Charge per Mcf					
Demand Charge times Daily Firm					
Volume (Mcf) in Customer Service Agreement		6.5730		6.5730	R
Standby Service Commodity Charge per Mcf			2.7865	2.7865	R
<u>RATE SCHEDULE DS</u>					
Customer Charge per billing period ^{2/}				2007.00	
Customer Charge per billing period (GDS only)				44.69	
Customer Charge per billing period (IUDS only)				567.40	
<u>Delivery Charge per Mcf^{2/}</u>					
First 30,000 Mcf	0.6285 ^{3/}			0.6285	
Next 70,000 Mcf	0.3737 ^{3/}			0.3737	
Over 100,000 Mcf	0.3247 ^{3/}			0.3247	
– Grandfathered Delivery Service					
First 50 Mcf or less per billing period				3.0181 ^{3/}	
Next 350 Mcf per billing period				2.3295 ^{3/}	
Next 600 Mcf per billing period				2.2143 ^{3/}	
All Over 1,000 Mcf per billing period				2.0143 ^{3/}	
– Intrastate Utility Delivery Service					
All Volumes per billing period				1.1544 ^{3/}	
Banking and Balancing Service					
Rate per Mcf		0.0215		0.0215	
<u>RATE SCHEDULE MLDS</u>					
Customer Charge per billing period				255.90	
Delivery Charge per Mcf				0.0858	
Banking and Balancing Service					
Rate per Mcf		0.0215		0.0215	

- 1/ The Gas Cost Adjustment, as shown, is an adjustment per Mcf determined in accordance with the "Gas Cost Adjustment Clause" as set forth on Sheets 48 through 51 of this Tariff.
- 2/ Applicable to all Rate Schedule DS customers except those served under Grandfathered Delivery Service or Intrastate Utility Delivery Service.
- 3/ The Delivery Charge will be adjusted at billing by the Tax Act Adjustment Factor set forth on Sheet 7a.

DATE OF ISSUE May 1, 2019

DATE EFFECTIVE May 31, 2019 (Unit 1 June)

ISSUED BY *Herbert A. Miller, Jr.*

TITLE President

CURRENTLY EFFECTIVE BILLING RATES
 (Continued)

<u>RATE SCHEDULE SVGTS</u>	<u>Base Rate Charge</u>
	\$
<u>General Service Residential (SGVTS GSR)</u>	
Customer Charge per billing period	16.00
Delivery Charge per Mcf	3.5665 ^{2/}
<u>General Service Other - Commercial or Industrial (SVGTS GSO)</u>	
Customer Charge per billing period	44.69
Delivery Charge per Mcf -	
First 50 Mcf or less per billing period	3.0181 ^{2/}
Next 350 Mcf per billing period	2.3295 ^{2/}
Next 600 Mcf per billing period	2.2143 ^{2/}
Over 1,000 Mcf per billing period	2.0143 ^{2/}
<u>Intrastate Utility Service</u>	
Customer Charge per billing period	567.40
Delivery Charge per Mcf	\$ 1.1544 ^{2/}

Billing Rate

Actual Gas Cost Adjustment ^{1/}

For all volumes per billing period per Mcf	\$(0.2423)	R
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RATE SCHEDULE SVAS

Balancing Charge – per Mcf	\$1.1776	I
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1/ The Gas Cost Adjustment is applicable to a customer who is receiving service under Rate Schedule SVGTS and received service under Rate Schedule GS, IS, or IUS for only those months of the prior twelve months during which they were served under Rate Schedule GS, IS or IUS.

2/ The Delivery Charge will be adjusted at billing by the Tax Act Adjustment Factor set forth on Sheet 7a.

DATE OF ISSUE	May 1, 2019
DATE EFFECTIVE	May 31, 2019 (Unit 1 June)
ISSUED BY	<i>Herbert A. Miller, Jr.</i>
TITLE	President