

**BEFORE THE
PUBLIC SERVICE COMMISSION
OF KENTUCKY**

COLUMBIA GAS OF KENTUCKY, INC.

CASE 2020 – 00143

**GAS COST ADJUSTMENT AND REVISED RATES OF
COLUMBIA GAS OF KENTUCKY, INC. PROPOSED TO BECOME
EFFECTIVE JUNE 2020 BILLINGS**

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

Line No.	March 2020 <u>CURRENT</u>	June 2020 <u>PROPOSED</u>	<u>DIFFERENCE</u>
1 Commodity Cost of Gas	\$2.2039	\$1.8761	(\$0.3278)
2 Demand Cost of Gas	<u>\$1.3245</u>	<u>\$1.3174</u>	<u>(\$0.0071)</u>
3 Total: Expected Gas Cost (EGC)	\$3.5284	\$3.1935	(\$0.3349)
4 SAS Refund Adjustment	\$0.0000	\$0.0000	\$0.0000
5 Balancing Adjustment	\$0.0045	\$0.0751	\$0.0706
6 Supplier Refund Adjustment	\$0.0000	\$0.0000	\$0.0000
7 Actual Cost Adjustment	(\$0.4383)	(\$0.5073)	(\$0.0690)
8 Performance Based Rate Adjustment	<u>\$0.3393</u>	<u>\$0.2167</u>	<u>(\$0.1226)</u>
9 Cost of Gas to Tariff Customers (GCA)	\$3.4339	\$2.9780	(\$0.4559)
10 Transportation TOP Refund Adjustment	\$0.0000	\$0.0000	\$0.0000
11 Banking and Balancing Service	\$0.0207	\$0.0216	\$0.0009
12 Rate Schedule FI and GSO			
13 Customer Demand Charge	\$6.4127	\$6.6548	\$0.2421

Columbia Gas of Kentucky, Inc.
Gas Cost Adjustment Clause
Gas Cost Recovery Rate
Jun 20 - Aug 20

<u>Line No.</u>	<u>Description</u>	<u>Amount</u>	<u>Expires</u>
1	Expected Gas Cost (EGC) Schedule No. 1	\$3.1935	08-31-20
2	Total Actual Cost Adjustment (ACA) Schedule No. 2	(\$0.5073)	
	Case No. 2019-00267	(\$0.2684)	08-31-20
	Case No. 2019-00396	(\$0.0317)	11-30-20
	Case No. 2020-00029	\$0.3687	02-28-21
	Case No. 2020-XXXXX	(\$0.5759)	05-31-21
3	Total Supplier Refund Adjustment (RA) Schedule No. 4	\$0.0000	
4	Balancing Adjustment (BA) Schedule No. 3 Case No. 2020-xxxxx	\$0.0751	08-31-20
5	Performance Based Rate Adjustment (PBRA) Schedule No. 6 Case No. 2020-xxxxx	\$0.2167	05-31-21
6	Gas Cost Adjustment		
7	Jun 20 - Aug 20	<u>\$2.9780</u>	
8	Expected Demand Cost (EDC) per Mcf		
9	(Applicable to Rate Schedule IS/SS and GSO) Schedule No. 1, Sheet 4	<u>\$6.6548</u>	

DATE FILED: April 29, 2020

BY: J. M. Cooper

Columbia Gas of Kentucky, Inc.
Expected Gas Cost for Sales Customers
Jun 20 - Aug 20

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			3,632,080		\$0.0153	\$55,571
3	Withdrawals: gas cost includes pipeline fuel and commodity charges			0		\$1.6821	\$0
Total							
4	Volume	Line 3		0			
5	Cost	Line 1 + Line 2 + Line 3					\$55,571
6	Summary	Line 4 or Line 5		0			\$55,571
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		778,304			\$1,221,937
8	Appalachian Supplies	Sch.1, Sht. 6, Ln. 4		49,501			\$97,899
9	Less Fuel Retention By Interstate Pipelines	Sch. 1,Sheet 7, Lines 21, 22		(95,136)			(\$190,463)
10	Total	Line 7 + Line 8 + Line 9		732,668			\$1,129,373
Total Supply							
11	At City-Gate	Line 6 + Line 10		732,668			\$1,184,944
Lost and Unaccounted For							
12	Factor			-0.4%			
13	Volume	Line 11 * Line 12		(2,931)			
14	At Customer Meter	Line 11 + Line 13	662,795	729,737			
15	Less: Right-of-Way Contract Volume			102			
16	Sales Volume	Line 14-Line 15	662,693				
Unit Costs \$/MCF							
Commodity Cost							
17	Excluding Cost of Pipeline Retention	Line 11 / Line 16				\$1.7881	
18	Annualized Unit Cost of Retention	Sch. 1,Sheet 7, Line 24				<u>\$0.0708</u>	
19	Including Cost of Pipeline Retention	Line 17 + Line 18				\$1.8589	
20	Uncollectible Ratio	CN 2016-00162				<u>0.00923329</u>	
21	Gas Cost Uncollectible Charge	Line 19 * Line 20				<u>\$0.0172</u>	
22	Total Commodity Cost	Line 19 + Line 21				\$1.8761	
23	Demand Cost	Sch.1, Sht. 2, Line 10				<u>\$1.3174</u>	
24	Total Expected Gas Cost (EGC)	Line 22 + Line 23				\$3.1935	

A/ BTU Factor = 1.1010 Dth/MCF

Columbia Gas of Kentucky, Inc.
GCA Unit Demand Cost
Jun 20 - Aug 20

Schedule No. 1
Sheet 2

<u>Line No.</u>	<u>Description</u>	<u>Reference</u>	<u>Cost</u>
1	Expected Demand Cost: Annual Jun 20 - Aug 20	Sch. No.1, Sheet 3, Ln. 11	\$18,705,628
2	Less Rate Schedule IS/SS and GSO Customer Demand Charge Recovery	Sch. No.1, Sheet 4, Ln. 10	(\$137,275)
3	Less Storage Service Recovery from Delivery Service Customers		<u>(\$201,795)</u>
4	Net Demand Cost Applicable	Line 1 + Line 2 + Line 3	\$18,366,558
	Projected Annual Demand: Sales + Choice		
	At city-gate		
	In Dth		15,413,758 Dth
	Heat content		1.1010 Dth/MCF
5	In MCF		13,999,780 MCF
	Lost and Unaccounted - For		
6	Factor		0.4%
7	Volume	Line 5 x Line 6	55,999 MCF
8	Right of way Volumes		<u>2,761 MCF</u>
9	At Customer Meter	Line 5 - Line 7 - Line 8	13,941,020 MCF
10	Unit Demand Cost -- To Sheet 1, Line 23	Line 4 / Line 9	\$1.3174 per MCF

Columbia Gas of Kentucky, Inc.
Annual Demand Cost of Interstate Pipeline Capacity
Jun 20 - May 21

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 Seasonal Contract Quantity (SCQ)	10,703,880	\$0.0288	12	\$3,699,261
2	FSS Max Daily Storage Quantity (MDSQ)	209,880	\$1.5010	12	\$3,780,359
Storage Service Transportation (SST)					
3	Summer	104,940	\$4.1850	6	\$2,635,043
4	Winter	209,880	\$4.1850	6	\$5,270,087
5	Firm Transportation Service (FTS)	20,014	\$7.1610	12	\$1,719,843
6	Firm Transportation Service (FTS)	5,124	\$7.1610	12	\$440,316
7	Subtotal -- Sum of Lines 1 through 6				\$17,544,909
Tennessee Gas					
8	Firm Transportation	16,000	\$4.5806	12	\$879,475
Central Kentucky Transmission					
9	Firm Transportation	28,000	\$0.4930	12	\$165,648
10	Operational and Commercial Services Charge		\$9,633	12	\$115,596
11	Total -- Sum of Lines 7 through 10 -- To Sheet 2, line 1				\$18,705,628

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

Jun 20 - May 21

Line No.	Description	Capacity			Units	Annual Cost
		Daily	# Months	Annualized		
		Dth		Dth		
		(1)	(2)	(3)		(3)
				= (1) x (2)		
1	Expected Demand Costs (Per Sheet 3)					\$18,705,628
	City-Gate Capacity:					
	Columbia Gas Transmission					
2	Firm Storage Service - FSS	209,880	12	2,518,560		
3	Firm Transportation Service - FTS	20,014	12	240,168		
4	Central Kentucky Transportation	28,000	12	336,000		
5	Total -- Sum of Lines 2 through 4			3,094,728	Dth	
6	Divided by Average BTU Factor			1.101	Dth/MCF	
7	Total Capacity - Annualized -- Line 5 / Line 6			2,810,834	Mcf	
8	Monthly Unit Expected Demand Cost (EDC) of Daily Capacity Applicable to Rate Schedules IS/SS and GSO -- Line 1 / Line 7			\$6.6548	/Mcf	
9	Firm Volumes of IS/SS and GSO Customers	1,719	12	20,628	Mcf	
10	Expected Demand Charges to be Recovered Annually from Rate Schedule IS/SS and GSO Customers -- Line 8 x Line 9				To Sheet 2, line 2	\$137,275

Columbia Gas of Kentucky, Inc.
Non-Appalachian Supply: Volume and Cost
Jun 20 - Aug 20

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	Net Flowing Supply for Current Consumption	
		Volume A/ Dth (1)	Cost (2)	Unit Cost \$/Dth (3) = (2) / (1)		Dth (4)	Volume Dth (5) = (1) + (4)
1	June 20	1,572,503	\$2,318,610		(1,274,845)	297,658	
2	Jul-20	1,498,598	\$2,386,771		(1,255,417)	243,181	
3	Aug-20	1,339,283	\$2,210,231		(1,101,819)	237,464	
4	Total -- Sum of Lines 1 through 3	4,410,384	\$6,915,612	\$1.57	(3,632,080)	778,304	\$1,221,937

A/ Gross, before retention.

Columbia Gas of Kentucky, Inc.
Appalachian Supply: Volume and Cost
Jun 20 - Aug 20

Schedule No. 1
Sheet 6

<u>Line</u> <u>No.</u>	<u>Month</u>	<u>Dth</u> (2)	<u>Cost</u> (3)
1	June 20	16,957	\$31,661
2	Jul-20	16,190	\$32,320
3	Aug-20	16,353	\$33,918
4	Total -- Sum of Lines 1 through 3	49,501	\$97,899

Columbia Gas of Kentucky, Inc.
Annualized Unit Charge for Gas Retained by Upstream Pipelines
Jun 20 - Aug 20

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.

Line No.	Description	Units	Annual				Jun 20 - May 21
			Jun 20 - Aug 20	Sep 20 - Nov 20	Dec 20 - Feb 21	Mar 20 - May 21	
Gas purchased by CKY for the remaining sales customers							
1	Volume	Dth	4,459,885	2,268,669	710,606	3,756,412	11,195,571
2	Commodity Cost Including Transportation		\$7,013,511	\$3,738,402	\$3,477,090	\$8,184,640	\$22,413,644
3	Unit cost	\$/Dth					\$2.0020
Consumption by the remaining sales customers							
4	At city gate	Dth	741,690	1,951,720	6,711,445	2,920,115	12,324,970
5	Lost and unaccounted for portion		0.40%	0.40%	0.40%	0.40%	
At customer meters							
6	In Dth = (100% - Line 5) x Line 4	Dth	738,723	1,943,913	6,684,599	2,908,435	12,275,670
7	Heat content	Dth/MCF	1.1010	1.1010	1.1010	1.1010	
8	In MCF = Line 6 / Line 7	MCF	670,956	1,765,589	6,071,389	2,641,630	11,149,564
9	Portion of annual -- Line 8 / Annual		6.0%	15.8%	54.5%	23.7%	100.0%
Gas retained by upstream pipelines							
10	Volume	Dth	95,136	68,141	125,087	107,342	395,706
Cost							
11	Quarterly -- Deduct from Sheet 1 -- Line 3 x Line 10		To Sheet 1, line 9 \$190,463	\$136,419	\$250,425	\$214,900	\$792,207
12	Allocated to quarters by consumption		\$47,532	\$125,169	\$431,753	\$187,753	\$792,207
13	Annualized unit charge -- Line 12 / Line 8	\$/MCF	To Sheet 1, line 18 \$0.0708	\$0.0709	\$0.0711	\$0.0711	\$0.0711

COLUMBIA GAS OF KENTUCKY, INC.

Schedule No. 1

Sheet 8

**DETERMINATION OF THE BANKING AND
BALANCING CHARGE
FOR THE PERIOD BEGINNING JUNE 2020**

<u>Line No.</u>	<u>Description</u>	<u>Dth</u>	<u>Detail</u>	<u>Amount For Transportation Customers</u>
1	Total Storage Capacity -- From Sheet 3, Line 2	10,703,880		
2	Net Transportation Volume	10,284,357		
3	Contract Tolerance Level @ 5%	514,218		
4	Percent of Annual Storage Applicable to Transportation Customers		4.80%	
6	Seasonal Contract Quantity (SCQ)			
7	Rate		\$0.0288	
8	SCQ Charge - Annualized		<u>\$3,699,261</u>	
9	Amount Applicable To Transportation Customers			\$177,565
10	FSS Injection and Withdrawal Charge			
11	Rate		0.0306	
12	Total Cost		<u>\$327,539</u>	
13	Amount Applicable To Transportation Customers			\$15,722
14	SST Commodity Charge			
15	Rate		0.0192	
16	Projected Annual Storage Withdrawal, Dth		9,231,906	
17	Total Cost		<u>\$177,253</u>	
18	Amount Applicable To Transportation Customers			<u>\$8,508</u>
19	Total Cost Applicable To Transportation Customers			<u>\$201,795</u>
20	Total Transportation Volume - Mcf			16,237,424
21	Flex and Special Contract Transportation Volume - Mcf			(6,896,500)
22	Net Transportation Volume - Mcf -- Line 20 + Line 21			9,340,924
23	Banking and Balancing Rate - Mcf -- Line 19 / Line 22 - To Line 11 of the GCA Comparison			<u>\$0,0216</u>

**DETAIL SUPPORTING
DEMAND/COMMODITY SPLIT**

COLUMBIA GAS OF KENTUCKY
CASE NO. 2020-00143 Effective June 2020 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)	\$1.3174
Demand ACA (Schedule No. 2, Sheet 1, Case No. 2019-00267, Case No. 2019-00396, Case No. 2020-00029 & Case No. 2020-00143)	\$0.0434
Refund Adjustment (Schedule No. 4, Case No. 2020-00143)	<u>\$0.0000</u>
Total Demand Rate per Mcf	\$1.3608 <--- to Att. E, line 14

Commodity Component of Gas Cost Adjustment	
Commodity Cost of Gas (Schedule No. 1, Sheet 1, Line 22)	\$1.8761
Commodity ACA (Schedule No. 2, Sheet 1, Case No. 2019-00267, Case No. 2019-00396, Case No. 2020-00029 & Case No. 2020-00143)	(\$0.5507)
Balancing Adjustment	\$0.0751
Performance Based Rate Adjustment (Schedule No. 6, Case No. 2020-00143)	<u>\$0.2167</u>
Total Commodity Rate per Mcf	\$1.6172

CHECK:	\$1.3608
	<u>\$1.6172</u>
COST OF GAS TO TARIFF CUSTOMERS (GCA)	\$2.9780

Calculation of Rate Schedule SVGTS - Actual Gas Cost Adjustment

Commodity ACA (Schedule No. 2, Sheet 1, Case No. 2019-00267, Case No. 2019-00396, Case No. 2020-00029 & Case No. 2020-00143)	(\$0.5507)
Balancing Adjustment	\$0.0751
Performance Based Rate Adjustment (Schedule No. 6, Case No. 2020-00143)	<u>\$0.2167</u>
Total Commodity Rate per Mcf	<u><u>(\$0.2589)</u></u> ←

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 29, 2020

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 2019	955,282	1,720	953,562	\$8.2105	\$7,829,189	\$15,284	(\$6,827)	\$7,851,300	\$6,567,329	(\$1,283,971)
2	January 2020	965,977	850	965,127	\$8.3191	\$8,029,002	\$14,265	(\$4,642)	\$8,047,909	\$5,997,624	(\$2,050,285)
3	February 2020	951,751	874	950,877	\$8.4539	\$8,038,668	\$14,360	(\$2,801)	\$8,055,830	\$5,130,249	(\$2,925,580)
4	TOTAL	2,873,009	3,444	2,869,565		\$23,896,860	\$43,909	(\$14,270)	\$23,955,039	\$17,695,202	(\$6,259,837)
5	Off-System Sales										(\$101,834)
6	Capacity Release										\$0
7	Gas Cost Audit										\$0
8	TOTAL (OVER)/UNDER-RECOVERY										<u>(\$6,361,670.98)</u>
9	Demand Revenues Received										\$7,617,317
10	Demand Cost of Gas										<u>\$3,944,556</u>
11	Demand (Over)/Under Recovery										<u>(\$3,672,761)</u>
12	Expected Sales Volumes for the Twelve Months End May 31, 2021										11,146,830
13	DEMAND ACA TO EXPIRE MAY 31, 2021										(\$0.3295)
14	Commodity Revenues Received										\$16,337,724
15	Commodity Cost of Gas										<u>\$13,648,812</u>
16	Commodity (Over)/Under Recovery										(\$2,688,912)
17	Gas Cost Uncollectible ACA										<u>(\$57,582)</u>
18	Total Commodity (Over)/Under Recovery										<u>(\$2,746,494)</u>
19	Expected Sales Volumes for the Twelve Months End May 31, 2021										11,146,830
20	COMMODITY ACA TO EXPIRE MAY 31, 2021										(\$0.2464)
21	TOTAL ACA TO EXPIRE MAY 31, 2021										<u>(\$0.5759)</u>

**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.	<u>MONTH</u>	SS Commodity <u>Volumes</u> (1) Mcf	Average SS Recovery <u>Rate</u> (2) \$/Mcf	SS Commodity <u>Recovery</u> (3) \$
1	December 2019	1,720	\$2.3578	\$4,055
2	January 2020	850	\$2.9728	\$2,527
3	February 2020	874	\$2.9728	\$2,598
4	Total SS Commodity Recovery			<u>\$9,181</u>
LINE NO.	<u>MONTH</u>	SS Demand <u>Volumes</u> (1) Mcf	Average SS Demand <u>Rate</u> (2) \$/Mcf	SS Demand <u>Recovery</u> (3) \$
5	December 2019	1,798	\$6.2449	\$11,228
6	January 2020	1,798	\$6.5287	\$11,739
7	February 2020	1,798	\$6.5417	\$11,762
8	Total SS Demand Recovery			<u>\$34,729</u>
9	TOTAL SS AND GSO RECOVERY			<u><u>\$43,909</u></u>

Columbia Gas of Kentucky, Inc.
Gas Cost Uncollectible Charge - Actual Cost Adjustment
For the Three Months Ending February 29, 2020

Line No.	<u>Class</u>	<u>Dec-19</u>	<u>Jan-20</u>	<u>Feb-20</u>	<u>Total</u>
1	Actual Cost	\$ 26,313	\$ 36,157	\$ 29,437	\$ 91,907
2	Actual Recovery	<u>\$ 48,652</u>	<u>\$ 50,043</u>	<u>\$ 50,794</u>	<u>\$ 149,489</u>
3	(Over)/Under Activity	\$ (22,338)	\$ (13,887)	\$ (21,357)	\$ (57,582)

BALANCING ADJUSTMENT

SCHEDULE NO. 3

COLUMBIA GAS OF KENTUCKY, INC.

**CALCULATION OF BALANCING ADJUSTMENT
TO BE EFFECTIVE JUNE 1, 2020**

<u>Line</u> <u>No.</u>	<u>Description</u>	<u>Detail</u> \$	<u>Amount</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	\$0	
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. 2019-00396	\$219,112	
9	Less: actual amount collected	\$201,252	
10	REMAINING AMOUNT		\$17,859
11	<u>RECONCILIATION OF PREVIOUS ACTUAL COST ADJUSTMENT</u>		
12	Total adjustment to have been collected from		
13	customers in Case No. 2019-00040	\$5,537,820	
14	Less: actual amount collected	\$5,505,273	
15	REMAINING AMOUNT		\$32,548
16	TOTAL BALANCING ADJUSTMENT AMOUNT		\$50,407
17	Divided by: projected sales volumes for the three months		
18	ended August 31, 2020		671,135
19	BALANCING ADJUSTMENT (BA) TO		
20	 EXPIRE AUGUST 31, 2020		\$ 0.0751

Columbia Gas of Kentucky, Inc.
Balancing Adjustment
Supporting Data

Case No. 2019-00396

Expires: December 31, 2017

	<u>Volume</u>	<u>Surcharge Rate</u>	<u>Surcharge Amount</u>	<u>Surcharge Balance</u>
Beginning Balance				\$219,112
December 2019	1,762,931	\$0.0371	\$65,405	\$153,707
January 2020	1,815,446	\$0.0371	\$67,353	\$86,354
February 2020	1,843,205	\$0.0371	\$68,383	\$17,971
March 2020	3,003	\$0.0371	\$111	\$17,859

TOTAL SURCHARGE COLLECTED

SUMMARY:

SURCHARGE AMOUNT	\$219,112
AMOUNT COLLECTED	<u>\$201,252</u>
REMAINING BALANCE	<u><u>\$17,859</u></u>

Columbia Gas of Kentucky, Inc.
Actual Cost Adjustment YR2018 QTR4
Supporting Data

Case No. 2019-00040

Expires: December 31, 2019

	Tariff		Choice			Refund Balance	
	Volume	Refund Rate	Refund Amount	Volume	Refund Rate		Refund Amount
						\$5,537,820	
Mar-19	1,719,617	\$0.5283	\$908,474	10,650	\$0.3473	\$3,699	\$4,625,648
Apr-19	943,823	\$0.5283	\$498,622	5,451	\$0.3473	\$1,893	\$4,125,134
May-19	389,037	\$0.5283	\$205,528	2,365	\$0.3473	\$821	\$3,918,784
Jun-19	234,975	\$0.5283	\$124,137	1,962	\$0.3473	\$681	\$3,793,965
Jul-19	199,344	\$0.5283	\$105,313	1,572	\$0.3473	\$546	\$3,688,106
Aug-19	184,753	\$0.5283	\$97,605	1,138	\$0.3473	\$395	\$3,590,106
Sep-19	195,127	\$0.5283	\$103,085	1,194	\$0.3473	\$415	\$3,486,606
Oct-19	245,098	\$0.5283	\$129,485	1,562	\$0.3473	\$542	\$3,356,579
Nov-19	862,277	\$0.5283	\$455,541	4,145	\$0.3473	\$1,440	\$2,899,598
Dec-19	1,765,237	\$0.5283	\$932,575	9,004	\$0.3473	\$3,127	\$1,963,896
Jan-20	1,807,221	\$0.5283	\$954,755	8,225	\$0.3473	\$2,856	\$1,006,285
Feb-20	1,834,583	\$0.5283	\$969,210	8,622	\$0.3473	\$2,994	\$34,081
Mar-20	2,707	\$0.5283	\$1,430	296	\$0.3473	\$103	\$32,548

SUMMARY:

REFUND AMOUNT	5,537,820
LESS	
AMOUNT REFUNDED	<u>5,505,273</u>

TOTAL REMAINING REFUND 32,548

PERFORMANCE BASED RATE ADJUSTMENT
SCHEDULE NO. 6

COLUMBIA GAS OF KENTUCKY, INC.**CALCULATION OF PERFORMANCE BASED RATE ADJUSTMENT****Effective Billing Unit 1 June 2020**

<u>Month</u>	<u>Gas Cost</u>	<u>Transportation Cost</u>	<u>Off-System Sales</u>	<u>Company Performance Share</u>
February 2019	1.81	81.32	16.99	100.12
March 2019	(3.06)	(15.19)	141.33	123.08
April 2019	3,896.35	242,336.68	84,068.87	330,301.90
May 2019	2,873.41	249,953.34	100,843.83	353,670.58
June 2019	(2,879.64)	247,030.17	85,736.18	329,886.71
July 2019	31,572.81	247,721.61	70,998.77	350,293.19
August 2019	14,020.07	247,723.29	37,098.21	298,841.57
September 2019	9,966.89	246,082.50	26,864.96	282,914.35
October 2019	20,106.63	266,140.62	23,992.66	310,239.91
November 2019	(2,955.40)	14,194.34	12,346.61	23,585.55
December 2019	10,531.18	17,858.48	15,649.49	44,039.15
January 2020	1,944.31	19,559.67	15,585.36	37,089.34
February 2020	94.82	17,768.99	8,077.66	25,941.47
March 2020	<u>6,808.88</u>	<u>17,997.85</u>	<u>3,617.26</u>	<u>28,423.99</u>
Company Performance Share	95,979.06	1,834,433.67	485,038.18	<u>\$ 2,415,450.91</u>
Projected Sales Volumes for the 12 Months Ended May 31, 2021				11,146,830
Performance Based Rate Adjustment to Expire May 31, 2020				<u>\$ 0.2167</u>

FEBRUARY 2019

Columbia Gas of Kentucky, Inc.

Monthly Performance Based Rate Calculation

Flow Period: Feb-19

Ln.	PBR Component Description	Feb-19 ESTIMATE	Feb-19 ACTUAL	
1	CPS = (TPBR) x ASP	\$13,846.39	\$13,696.21	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$445,436.24</u>	<u>\$445,686.55</u>	50% of remainder
3	Total Company Performance Share	\$459,282.63	\$459,382.75	
4	TCI (includes Marketed CapR)	\$761,037.61	\$761,037.60	
5	GCI	\$16,970.86	\$16,970.86	
6	OSSI			
	Sales	\$4,473.75	\$4,473.75	
	Exch	\$154,544.90 (1)	\$154,544.90	
7	TPBR = (TCI+GCI+OSSI)	\$937,027.12	\$937,027.11	
8	AGC (**Total Gas Cost)	\$2,307,732.36	\$2,282,700.96	
	Sys Supply Purch	\$233,374.75	\$233,374.75	
	Core	\$144,480.00 (est)	\$135,656.40 (act)	
	Misc Adjustment	\$0.00	\$0.00	
	Transportation	\$1,929,877.61	\$1,913,669.81	
9	2% of AGC	\$46,154.65	\$45,654.02	
10	PAC = (TPBR) / AGC	40.60%	41.05%	

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

**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-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>	<u>Actual</u>
BENCHMARK	(TBTC)	Tenn	308956	FTA	20,506	\$14.7805	Demand Vol @ Max Rate	\$303,088.93	\$303,088.93
		TCO	80160	SST	190,880	\$6.5800	Demand Vol @ Max Rate	\$1,255,990.40	\$1,255,990.40
		TCO	81540	SST	30,000	\$6.5800	Demand Vol @ Max Rate	<u>\$197,400.00</u>	<u>\$197,400.00</u>
			0				\$1,756,479.33	\$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	\$93,903.13
		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		<u>\$0.00</u>	<u>\$0.00</u>	
			0				\$1,018,285.93	\$1,018,285.93	
Marketed Cap Release		CGT	0		0	\$0.0000		\$11,406.00	\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,283.60	\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$2,450.00	\$2,450.00
Marketed Cap Release		CGT	0		0	\$0.0000		\$0.00	\$0.00
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	\$761,037.61	\$761,037.60

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) - ACTUAL

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

* DATA STATUS - E = Accounting Estimate, I = Invoiced/Actual

** SALES TYPE - S = Sale, E = Exchange, P/C = Option

COLUMBIA GAS OF KENTUCKY

SALES Activity Booking Report

Feb-19

<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>DELIVERY</u> <u>CDC</u> <u>POINT</u>	<u>STATE</u> <u>OF</u> <u>SALE</u>	Sales Amounts			MARGIN
								<u>VOLUMES</u>	<u>SALES</u>	<u>TOTAL</u>	
								<u>INVOICED</u>	<u>RATE</u>	<u>SALE</u>	
								Dth	\$/Dth	\$	
I	S	OPP	S0250970	2/1/19	2/1/19	TCO P1042737	WV	6,200	\$2.6975	\$16,724.50	\$1,131.50
I	S	OPP	S0250971	2/1/19	2/1/19	TCO P1042737	WV	5,000	\$2.7200	\$13,600.00	\$1,235.00
I	S	OPP	S0250972	2/1/19	2/1/19	TCO P1042737	WV	5,000	\$2.7200	\$13,600.00	\$1,025.00
I	S	OPP	S0250973	2/1/19	2/1/19	TCO P1042737	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

SALES AMOUNTS	Current Month Proration
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DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	INVOICE MONTH	# OF	# OF	DELIVERY POINT	STATE OF SALE	VOLUMES Dth	SALES	TOTAL	TRANSPORT	TOTAL	MARGIN
				FLOW DATE	FLOW DATE		MONTHS IN TERM	MONTHS EXPIRED				RATE \$/Dth	SALE \$	COST	SALE	
E	E	OPP	S0249396	9/1/18	2/1/19	2/1/19	6	6	TCO P1042737	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 P1042737	WV	351000	\$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 P1042737	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 P1042737	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 P1042737	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 P1042737	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 P1042737	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

Ln.	PBR Component Description	Mar-19 ESTIMATE	Mar-19 ACTUAL	
1	CPS = (TPBR) x ASP	\$28,111.62	\$28,152.01	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$498,705.82</u>	<u>\$498,788.51</u>	50% of remainder
3	Total Company Performance Share	\$526,817.44	\$526,940.51	
4	TCI (includes Marketed CapR)	\$761,300.11	\$761,300.10	
5	GCI	\$153,617.86	\$153,617.86	
6	OSSI			
	Sales	\$112.50	\$112.50	
	Exch	\$176,086.57 (1)	\$176,386.57	
7	TPBR = (TCI+GCI+OSSI)	\$1,091,117.04	\$1,091,417.03	
8	AGC (**Total Gas Cost)	\$4,685,270.20	\$4,692,000.93	
	Sys Supply Purch	\$2,671,108.75	\$2,671,108.75	
	Core	\$117,350.50 (est)	\$109,668.95 (act)	
	Misc Adjustment	\$0.00	\$0.00	
	Transportation	\$1,896,810.95	\$1,911,223.23	
				tell
9	2% of AGC	\$93,705.40	\$93,840.02	
10	PAC = (TPBR) / AGC	23.29%	23.26%	

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-19 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	\$14.7805	Demand Vol @ Max Rate	\$303,088.93	\$303,088.93
		TCO	80160	SST	190,880	\$6.5800	Demand Vol @ Max Rate	\$1,255,990.40	\$1,255,990.40
		TCO	81540	SST	30,000	\$6.5800	Demand Vol @ Max Rate	<u>\$197,400.00</u>	<u>\$197,400.00</u>
			0				\$1,756,479.33	\$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	\$93,903.13
		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		<u>\$0.00</u>	<u>\$0.00</u>	
			0				\$1,018,285.93	\$1,018,285.93	
Marketed Cap Release		CGT	0		0	\$0.0000		\$11,406.00	\$11,406.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,283.60	\$1,283.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$2,712.50	\$2,712.50
Marketed Cap Release		CGT	0		0	\$0.0000		\$0.00	\$0.00
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	\$761,300.11	\$761,300.10

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) - ACTUAL

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

* DATA STATUS - E = Accounting Estimate, I = Invoiced/Actual

** SALES TYPE - S = Sale, E = Exchange, P/C = Option

COLUMBIA GAS OF KENTUCKY

SALES Activity Booking Report

Mar-18

										Sales Amounts	MARGIN
<u>DATA *</u>	<u>SALES</u>	<u>SALES</u>		<u>RECEIPT</u>	<u>DELIVERY</u>	<u>STATE</u>	<u>VOLUMES</u>	<u>SALES</u>	<u>TOTAL</u>		
<u>STATUS</u>	<u>TYPE **</u>	<u>CATEGORY</u>	<u>SALES ID</u>	<u>DATE</u>	<u>DATE</u>	<u>SALE</u>	<u>INVOICED</u>	<u>RATE</u>	<u>SALE</u>		
							Dth	\$/Dth	\$		
I	S	OPP	S0251034	3/1/19	3/1/19	WV	15,000	\$2.6900	\$40,350.00	\$112.50	
							15,000		\$40,350.00	\$112.50	

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

													SALES AMOUNTS			
DATA	SALES	EXCH		RECEIPT	DELIVERY		# OF	# OF		STATE		ESTIMATED	ESTIMATED	ESTIMATED		
STATUS	TYPE**	TYPE	SALES ID	FLOW	FLOW	INVOICE	MONTHS	MONTHS	DELIVERY	OF	ESTIMATED	SALES	TOTAL	TRANSPORT	TOTAL	
				DATE	DATE	MONTH	IN TERM	EXPIRED	POINT	SALE	VOLUMES	RATE	SALE	COST	SALE	
											Dth	\$/Dth	\$		MARGIN	
E	E	OPP	S0251017	3/1/19	3/1/19	3/1/19	1	1	TCO P1042737	WV	10,000	(\$0.0300)	(\$300.00)	\$0.00	(\$300.00)	(\$300.00)
E	E	OPP	S0250594		1/1/19	4/1/19	4	3	TCO P1042737	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 P1042737	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 P1042737	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 P1042737	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 P1042737	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 P1042737	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 P1042737	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

APRIL 2019

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

Flow Period: Apr-19

<u>Ln.</u>	<u>PBR Component Description</u>	Apr-19	
		ACTUAL	
1	CPS = (TPBR) x ASP	\$28,063.97	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$302,237.93</u>	50% of remainder
3	Total Company Performance Share	\$330,301.90	
4	TCI (includes Marketed CapR)	\$512,126.76	
5	GCI	\$8,234.10	
6	OSSI		
	Sales	\$1,275.00	
	Exch	\$176,386.57	
7	TPBR = (TCI+GCI+OSSI)	\$698,022.43	
8	AGC (**Total Gas Cost)	\$4,677,328.17	
	Sys Supply Purch	\$3,191,264.25	
	Core	\$57,891.90	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,428,172.02	
			tell
9	2% of AGC	\$93,546.56	
10	PAC = (TPBR) / AGC	14.92%	

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: Apr-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	95,440	\$6.5940	Demand Vol @ Max Rate	\$629,331.36
		TCO	81540	SST	15,000	\$6.5940	Demand Vol @ Max Rate	<u>\$98,910.00</u>
			0					\$1,031,330.29
			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	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					\$556,094.53
Marketed Cap Release		CGT	FTS-1		23,700	\$0.6300		\$14,931.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		
Marketed Cap Release		CKT	FTS		8,000	\$2.7450		\$21,960.00
Total TCI								\$512,126.76

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-19

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)					
4/1/19	\$2.4800	\$2.5500	\$2.6500	\$2.5150	\$2.5400	\$2.6300	\$2.4700	\$2.5300	\$2.6400	\$2.4883	\$2.5400	\$2.6400
4/2/19	\$2.4800	\$2.5500	\$2.6500	\$2.5750	\$2.5900	\$2.6800	\$2.5000	\$2.5100	\$2.6000	\$2.5183	\$2.5500	\$2.6433
4/3/19	\$2.4800	\$2.5500	\$2.6500	\$2.5250	\$2.5450	\$2.6350	\$2.5000	\$2.5100	\$2.6000	\$2.5017	\$2.5350	\$2.6283
4/4/19	\$2.4800	\$2.5500	\$2.6500	\$2.4850	\$2.5000	\$2.5850	\$2.5000	\$2.5100	\$2.6000	\$2.4883	\$2.5200	\$2.6117
4/5/19	\$2.4800	\$2.5500	\$2.6500	\$2.4850	\$2.5250	\$2.6200	\$2.5000	\$2.5100	\$2.6000	\$2.4883	\$2.5283	\$2.6233
4/6/19	\$2.4800	\$2.5500	\$2.6500	\$2.4200	\$2.4650	\$2.5700	\$2.5000	\$2.5100	\$2.6000	\$2.4667	\$2.5083	\$2.6067
4/7/19	\$2.4800	\$2.5500	\$2.6500	\$2.4200	\$2.4650	\$2.5700	\$2.5000	\$2.5100	\$2.6000	\$2.4667	\$2.5083	\$2.6067
4/8/19	\$2.4800	\$2.5500	\$2.6500	\$2.4200	\$2.4650	\$2.5700	\$2.5000	\$2.5100	\$2.6000	\$2.4667	\$2.5083	\$2.6067
4/9/19	\$2.4800	\$2.5500	\$2.6500	\$2.4850	\$2.5300	\$2.6250	\$2.4600	\$2.5200	\$2.6000	\$2.4750	\$2.5333	\$2.6250
4/10/19	\$2.4800	\$2.5500	\$2.6500	\$2.4850	\$2.5200	\$2.6300	\$2.4600	\$2.5200	\$2.6000	\$2.4750	\$2.5300	\$2.6267
4/11/19	\$2.4800	\$2.5500	\$2.6500	\$2.4900	\$2.5500	\$2.6350	\$2.4600	\$2.5200	\$2.6000	\$2.4767	\$2.5400	\$2.6283
4/12/19	\$2.4800	\$2.5500	\$2.6500	\$2.4550	\$2.5250	\$2.6100	\$2.4600	\$2.5200	\$2.6000	\$2.4650	\$2.5317	\$2.6200
4/13/19	\$2.4800	\$2.5500	\$2.6500	\$2.4200	\$2.4900	\$2.5750	\$2.4600	\$2.5200	\$2.6000	\$2.4533	\$2.5200	\$2.6083
4/14/19	\$2.4800	\$2.5500	\$2.6500	\$2.4200	\$2.4900	\$2.5750	\$2.4600	\$2.5200	\$2.6000	\$2.4533	\$2.5200	\$2.6083
4/15/19	\$2.4800	\$2.5500	\$2.6500	\$2.4200	\$2.4900	\$2.5750	\$2.4600	\$2.5200	\$2.6000	\$2.4533	\$2.5200	\$2.6083
4/16/19	\$2.4800	\$2.5500	\$2.6500	\$2.3950	\$2.4300	\$2.5350	\$2.2400	\$2.3500	\$2.4200	\$2.3717	\$2.4433	\$2.5350
4/17/19	\$2.4800	\$2.5500	\$2.6500	\$2.3450	\$2.4200	\$2.5150	\$2.2400	\$2.3500	\$2.4200	\$2.3550	\$2.4400	\$2.5283
4/18/19	\$2.4800	\$2.5500	\$2.6500	\$2.2900	\$2.3700	\$2.4650	\$2.2400	\$2.3500	\$2.4200	\$2.3367	\$2.4233	\$2.5117
4/19/19	\$2.4800	\$2.5500	\$2.6500	\$2.2050	\$2.2950	\$2.3800	\$2.2400	\$2.3500	\$2.4200	\$2.3083	\$2.3983	\$2.4833
4/20/19	\$2.4800	\$2.5500	\$2.6500	\$2.2050	\$2.2950	\$2.3800	\$2.2400	\$2.3500	\$2.4200	\$2.3083	\$2.3983	\$2.4833
4/21/19	\$2.4800	\$2.5500	\$2.6500	\$2.2050	\$2.2950	\$2.3800	\$2.2400	\$2.3500	\$2.4200	\$2.3083	\$2.3983	\$2.4833
4/22/19	\$2.4800	\$2.5500	\$2.6500	\$2.2050	\$2.2950	\$2.3800	\$2.2400	\$2.3500	\$2.4200	\$2.3083	\$2.3983	\$2.4833
4/23/19	\$2.4800	\$2.5500	\$2.6500	\$2.2200	\$2.3250	\$2.4450	\$2.2200	\$2.2900	\$2.4400	\$2.3067	\$2.3883	\$2.5117
4/24/19	\$2.4800	\$2.5500	\$2.6500	\$2.1950	\$2.2600	\$2.3900	\$2.2200	\$2.2900	\$2.4400	\$2.2983	\$2.3667	\$2.4933
4/25/19	\$2.4800	\$2.5500	\$2.6500	\$2.2100	\$2.2800	\$2.4250	\$2.2200	\$2.2900	\$2.4400	\$2.3033	\$2.3733	\$2.5050
4/26/19	\$2.4800	\$2.5500	\$2.6500	\$2.1900	\$2.2650	\$2.4050	\$2.2200	\$2.2900	\$2.4400	\$2.2967	\$2.3683	\$2.4983
4/27/19	\$2.4800	\$2.5500	\$2.6500	\$2.2450	\$2.3150	\$2.4700	\$2.2200	\$2.2900	\$2.4400	\$2.3150	\$2.3850	\$2.5200
4/28/19	\$2.4800	\$2.5500	\$2.6500	\$2.2450	\$2.3150	\$2.4700	\$2.2200	\$2.2900	\$2.4400	\$2.3150	\$2.3850	\$2.5200
4/29/19	\$2.4800	\$2.5500	\$2.6500	\$2.2450	\$2.3150	\$2.4700	\$2.2200	\$2.2900	\$2.4400	\$2.3150	\$2.3850	\$2.5200
4/30/19	\$2.4800	\$2.5500	\$2.6500	\$2.2950	\$2.3650	\$2.4900	\$2.2200	\$2.2900	\$2.4400	\$2.3317	\$2.4017	\$2.5267
Avg Rate	\$2.4800	\$2.5500	\$2.6500	\$2.3572	\$2.4177	\$2.5228	\$2.3543	\$2.4170	\$2.5167	\$2.3972	\$2.4616	\$2.5632

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,334,700	\$3,191,264.25	\$3,199,498.35	\$8,234.10
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$8,234.10

COLUMBIA GAS OF KENTUCKY
SALES Activity Booking Report
Apr-19

DATA *	SALES STATUS	SALES TYPE **	SALES CATEGORY	RECEIPT FLOW	DELIVERY FLOW	DELIVERY POINT	INVOICED SALES AMOUNTS			MARGIN
							STATE OF SALE (16)	VOLUMES INVOICED (17 A) Dth	SALES RATE (18 A) \$/Dth	
			SALES ID (1)	DATE (2)	DATE (3)					
I	S	OPP	S0251169	4/1/19	4/1/19	TCO P1042737	WV	5,000	\$2.5775	\$312.50
I	S	OPP	S0251185	4/1/19	4/1/19	TCO P1042737	WV	5,000	\$2.5850	\$350.00
I	S	OPP	S0251191	4/1/19	4/1/19	TCO P1042737	WV	5,000	\$2.6225	\$537.50
I	S	OPP	S0251197	4/1/19	4/1/19	TCO P1042737	WV	5,000	\$2.5300	\$75.00
								20,000		\$1,275.00

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

SALES AMOUNTS

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	INVOICE MONTH	# OF	# OF	DELIVERY POINT	STATE OF SALE	VOLUMES Dth	SALES	TOTAL	TRANSPORT COST	TOTAL	MARGIN
				FLOW DATE	FLOW DATE		MONTHS IN TERM	MONTHS EXPIRED				RATE \$/Dth	SALE \$		SALE	
E	E	OPP	S0250594	4/1/19	1/1/19	4/1/19	4	4	TCO P1042737	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	2	TCO P1042737	WV	232,500	\$0.3300	\$76,725.00	\$0.00	\$25,575.00	\$25,575.00
E	E	OPP	S0250595		1/1/19	6/1/19	6	4	TCO P1042737	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	4	TCO P1042737	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	5	TCO P1042737	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	4	TCO P1042737	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	4	TCO P1042737	WV	356,500	\$0.3350	\$119,427.50	\$0.00	\$14,928.44	\$14,928.44
											2,340,000		\$1,136,427.50		\$176,386.57	\$176,386.57

MAY 2019

Columbia Gas of Kentucky, Inc.
Monthly Performance Based Rate Calculation
Flow Period: May-19

<u>Ln.</u>	<u>PBR Component Description</u>	May-19 ACTUAL	
1	CPS = (TPBR) x ASP	\$12,475.04	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$341,195.54</u>	50% of remainder
3	Total Company Performance Share	\$353,670.58	
4	TCI (includes Marketed CapR)	\$511,662.16	
5	GCI	\$5,881.96	
6	OSSI		
	Sales	\$11,088.50	
	Exch	\$195,341.92	
7	TPBR = (TCI+GCI+OSSI)	\$723,974.54	
8	AGC (**Total Gas Cost)	\$2,079,172.64	
	Sys Supply Purch	\$620,579.50	
	Core	\$22,578.00	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,436,015.14	
			tell
9	2% of AGC	\$41,583.45	
10	PAC = (TPBR) / AGC	34.82%	

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-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	95,440	\$6.5790	Demand Vol @ Max Rate	\$627,899.76
		TCO	81540	SST	15,000	\$6.5790	Demand Vol @ Max Rate	<u>\$98,685.00</u>
			0					\$1,029,673.69
			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	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					\$556,094.53
Marketed Cap Release		CGT	FTS-1		23,000	\$0.6820		\$16,123.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CKT	FTS		8,000	\$2.7450		\$21,960.00
Total TCI								\$511,662.16

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-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)					
5/1/19	\$2.3000	\$2.3800	\$2.5000	\$2.3400	\$2.3750	\$2.5100	\$2.3300	\$2.3700	\$2.5000	\$2.3233	\$2.3750	\$2.5033
5/2/19	\$2.3000	\$2.3800	\$2.5000	\$2.3650	\$2.4150	\$2.5650	\$2.3300	\$2.3700	\$2.5000	\$2.3317	\$2.3883	\$2.5217
5/3/19	\$2.3000	\$2.3800	\$2.5000	\$2.3300	\$2.4000	\$2.5100	\$2.3300	\$2.3700	\$2.5000	\$2.3200	\$2.3833	\$2.5033
5/4/19	\$2.3000	\$2.3800	\$2.5000	\$2.2950	\$2.3400	\$2.4800	\$2.3300	\$2.3700	\$2.5000	\$2.3083	\$2.3633	\$2.4933
5/5/19	\$2.3000	\$2.3800	\$2.5000	\$2.2950	\$2.3400	\$2.4800	\$2.3300	\$2.3700	\$2.5000	\$2.3083	\$2.3633	\$2.4933
5/6/19	\$2.3000	\$2.3800	\$2.5000	\$2.2950	\$2.3400	\$2.4800	\$2.3300	\$2.3700	\$2.5000	\$2.3083	\$2.3633	\$2.4933
5/7/19	\$2.3000	\$2.3800	\$2.5000	\$2.2600	\$2.3100	\$2.4600	\$2.2800	\$2.3300	\$2.4900	\$2.2800	\$2.3400	\$2.4833
5/8/19	\$2.3000	\$2.3800	\$2.5000	\$2.2450	\$2.3050	\$2.4500	\$2.2800	\$2.3300	\$2.4900	\$2.2750	\$2.3383	\$2.4800
5/9/19	\$2.3000	\$2.3800	\$2.5000	\$2.2850	\$2.3400	\$2.5150	\$2.2800	\$2.3300	\$2.4900	\$2.2883	\$2.3500	\$2.5017
5/10/19	\$2.3000	\$2.3800	\$2.5000	\$2.2700	\$2.3300	\$2.4900	\$2.2800	\$2.3300	\$2.4900	\$2.2833	\$2.3467	\$2.4933
5/11/19	\$2.3000	\$2.3800	\$2.5000	\$2.3050	\$2.3450	\$2.4850	\$2.2800	\$2.3300	\$2.4900	\$2.2950	\$2.3517	\$2.4917
5/12/19	\$2.3000	\$2.3800	\$2.5000	\$2.3050	\$2.3450	\$2.4850	\$2.2800	\$2.3300	\$2.4900	\$2.2950	\$2.3517	\$2.4917
5/13/19	\$2.3000	\$2.3800	\$2.5000	\$2.3050	\$2.3450	\$2.4850	\$2.2800	\$2.3300	\$2.4900	\$2.2950	\$2.3517	\$2.4917
5/14/19	\$2.3000	\$2.3800	\$2.5000	\$2.3800	\$2.4400	\$2.5200	\$2.3500	\$2.3900	\$2.5400	\$2.3433	\$2.4033	\$2.5200
5/15/19	\$2.3000	\$2.3800	\$2.5000	\$2.3650	\$2.4200	\$2.5350	\$2.3500	\$2.3900	\$2.5400	\$2.3383	\$2.3967	\$2.5250
5/16/19	\$2.3000	\$2.3800	\$2.5000	\$2.3200	\$2.3750	\$2.5250	\$2.3500	\$2.3900	\$2.5400	\$2.3233	\$2.3817	\$2.5217
5/17/19	\$2.3000	\$2.3800	\$2.5000	\$2.3100	\$2.3750	\$2.5200	\$2.3500	\$2.3900	\$2.5400	\$2.3200	\$2.3817	\$2.5200
5/18/19	\$2.3000	\$2.3800	\$2.5000	\$2.3350	\$2.3950	\$2.5500	\$2.3500	\$2.3900	\$2.5400	\$2.3283	\$2.3883	\$2.5300
5/19/19	\$2.3000	\$2.3800	\$2.5000	\$2.3350	\$2.3950	\$2.5500	\$2.3500	\$2.3900	\$2.5400	\$2.3283	\$2.3883	\$2.5300
5/20/19	\$2.3000	\$2.3800	\$2.5000	\$2.3350	\$2.3950	\$2.5500	\$2.3500	\$2.3900	\$2.5400	\$2.3283	\$2.3883	\$2.5300
5/21/19	\$2.3000	\$2.3800	\$2.5000	\$2.4300	\$2.4850	\$2.6400	\$2.3300	\$2.3800	\$2.5600	\$2.3533	\$2.4150	\$2.5667
5/22/19	\$2.3000	\$2.3800	\$2.5000	\$2.3500	\$2.4050	\$2.5700	\$2.3300	\$2.3800	\$2.5600	\$2.3267	\$2.3883	\$2.5433
5/23/19	\$2.3000	\$2.3800	\$2.5000	\$2.2850	\$2.3550	\$2.5300	\$2.3300	\$2.3800	\$2.5600	\$2.3050	\$2.3717	\$2.5300
5/24/19	\$2.3000	\$2.3800	\$2.5000	\$2.2550	\$2.3350	\$2.5150	\$2.3300	\$2.3800	\$2.5600	\$2.2950	\$2.3650	\$2.5250
5/25/19	\$2.3000	\$2.3800	\$2.5000	\$2.2700	\$2.3250	\$2.5200	\$2.3300	\$2.3800	\$2.5600	\$2.3000	\$2.3617	\$2.5267
5/26/19	\$2.3000	\$2.3800	\$2.5000	\$2.2700	\$2.3250	\$2.5200	\$2.3300	\$2.3800	\$2.5600	\$2.3000	\$2.3617	\$2.5267
5/27/19	\$2.3000	\$2.3800	\$2.5000	\$2.2700	\$2.3250	\$2.5200	\$2.3300	\$2.3800	\$2.5600	\$2.3000	\$2.3617	\$2.5267
5/28/19	\$2.3000	\$2.3800	\$2.5000	\$2.2700	\$2.3250	\$2.5200	\$2.2300	\$2.3500	\$2.4400	\$2.2667	\$2.3517	\$2.4867
5/29/19	\$2.3000	\$2.3800	\$2.5000	\$2.2850	\$2.3550	\$2.5350	\$2.2300	\$2.3500	\$2.4400	\$2.2717	\$2.3617	\$2.4917
5/30/19	\$2.3000	\$2.3800	\$2.5000	\$2.3250	\$2.4050	\$2.5300	\$2.2300	\$2.3500	\$2.4400	\$2.2850	\$2.3783	\$2.4900
5/31/19	\$2.3000	\$2.3800	\$2.5000	\$2.3050	\$2.3650	\$2.4750	\$2.2300	\$2.3500	\$2.4400	\$2.2783	\$2.3650	\$2.4717
Avg Rate	\$2.3000	\$2.3800	\$2.5000	\$2.3094	\$2.3655	\$2.5168	\$2.3103	\$2.3652	\$2.5126	\$2.3066	\$2.3702	\$2.5098

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	271,600	\$620,579.50	\$626,461.46	\$5,881.96
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$5,881.96

COLUMBIA GAS OF KENTUCKY
 SALES Activity Booking Report
 May-19

DATA * STATUS	SALES TYPE **	SALES CATEGORY	SALES ID	RECEIPT	DELIVERY	TOTAL COST	DELIVERY POINT	SALES AMOUNTS			MARGIN
				FLOW	FLOW			STATE	VOLUMES	SALES	
				DATE	DATE			OF SALE	INVOICED	RATE	
						\$		Dth	\$/Dth		
I	S	OPP	S0251800	5/1/19	5/1/19	\$11,625.00	TCO P1042737	WV	5,000	\$2.4400	\$575.00
I	S	OPP	S0251801	5/1/19	5/1/19	\$11,625.00	TCO P1042737	WV	5,000	\$2.4400	\$575.00
I	S	OPP	S0251807	5/1/19	5/1/19	\$23,250.00	TCO P1042737	WV	10,000	\$2.4500	\$1,250.00
I	S	OPP	S0251808	5/1/19	5/1/19	\$23,250.00	TCO P1042737	WV	10,000	\$2.4500	\$1,250.00
I	S	OPP	S0251901	5/1/19	5/1/19	\$14,260.00	TCO P1042737	WV	6,200	\$2.3250	\$155.00
I	S	OPP	S0251909	5/1/19	5/1/19	\$22,540.00	TCO P1042737	WV	9,800	\$2.3200	\$196.00
I	S	OPP	S0251914	5/1/19	5/1/19	\$6,045.00	TCO P1042737	WV	2,600	\$2.3350	\$26.00
I	S	OPP	S0251920	5/1/19	5/1/19	\$10,462.50	TCO P1042737	WV	4,500	\$2.3350	\$45.00
I	S	OPP	S0251921	5/1/19	5/1/19	\$6,900.00	TCO P1042737	WV	3,000	\$2.3475	\$142.50
I	S	OPP	S0251922	5/1/19	5/1/19	\$4,600.00	TCO P1042737	WV	2,000	\$2.3475	\$95.00
I	S	OPP	S0251706	5/1/19	5/1/19	\$11,500.00	TCO P1042737	WV	5,000	\$2.3800	\$400.00
I	S	OPP	S0251720	5/1/19	5/1/19	\$11,500.00	TCO P1042737	WV	5,000	\$2.3975	\$487.50
I	S	OPP	S0251728	5/1/19	5/1/19	\$11,500.00	TCO P1042737	WV	5,000	\$2.3750	\$375.00
I	S	OPP	S0251734	5/1/19	5/1/19	\$23,000.00	TCO P1042737	WV	10,000	\$2.3600	\$600.00
I	S	OPP	S0251735	5/1/19	5/1/19	\$23,000.00	TCO P1042737	WV	10,000	\$2.3600	\$600.00
I	S	OPP	S0251785	5/1/19	5/1/19	\$43,245.00	TCO P1042737	WV	18,600	\$2.3550	\$558.00
I	S	OPP	S0251786	5/1/19	5/1/19	\$2,092.50	TCO P1042737	WV	900	\$2.3475	\$20.25
I	S	OPP	S0251787	5/1/19	5/1/19	\$32,782.50	TCO P1042737	WV	14,100	\$2.3475	\$317.25
I	S	OPP	S0251789	5/1/19	5/1/19	\$7,672.50	TCO P1042737	WV	3,300	\$2.3450	\$66.00
I	S	OPP	S0251793	5/1/19	5/1/19	\$11,625.00	TCO P1042737	WV	5,000	\$2.3500	\$125.00
I	S	OPP	S0251794	5/1/19	5/1/19	\$11,625.00	TCO P1042737	WV	5,000	\$2.3500	\$125.00
I	S	OPP	S0251581	5/1/19	5/1/19	\$23,000.00	TCO P1042737	WV	10,000	\$2.3400	\$400.00
I	S	OPP	S0251587	5/1/19	5/1/19	\$11,500.00	TCO P1042737	WV	5,000	\$2.3325	\$162.50
I	S	OPP	S0251588	5/1/19	5/1/19	\$11,500.00	TCO P1042737	WV	5,000	\$2.3300	\$150.00
I	S	OPP	S0251637	5/1/19	5/1/19	\$11,500.00	TCO P1042737	WV	5,000	\$2.3200	\$100.00
I	S	OPP	S0251639	5/1/19	5/1/19	\$11,500.00	TCO P1042737	WV	5,000	\$2.3200	\$100.00
I	S	OPP	S0251644	5/1/19	5/1/19	\$11,500.00	TCO P1042737	WV	5,000	\$2.3200	\$100.00
I	S	OPP	S0251645	5/1/19	5/1/19	\$9,200.00	TCO P1042737	WV	4,000	\$2.3200	\$80.00
I	S	OPP	S0251686	5/1/19	5/1/19	\$11,500.00	TCO P1042737	WV	5,000	\$2.3375	\$187.50
I	S	OPP	S0251687	5/1/19	5/1/19	\$11,500.00	TCO P1042737	WV	5,000	\$2.3450	\$225.00
I	S	OPP	S0251690	5/1/19	5/1/19	\$11,500.00	TCO P1042737	WV	5,000	\$2.3800	\$400.00
I	S	OPP	S0251691	5/1/19	5/1/19	\$23,000.00	TCO P1042737	WV	10,000	\$2.3800	\$800.00
I	S	OPP	S0251704	5/1/19	5/1/19	\$11,500.00	TCO P1042737	WV	5,000	\$2.3800	\$400.00
						\$482,800.00			209,000		\$11,088.50

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

Prepared: 4/15/20
 As Of: 5/31/19

SALES AMOUNTS

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT FLOW	DELIVERY FLOW	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
				DATE	DATE	MONTH										
E	E	OPP	S0249729	5/1/19	3/1/19	5/1/19	3	3	TCO P1042737	WV	232,500	\$0.3300	\$76,725.00	\$0.00	\$25,575.00	\$25,575.00
E	E	OPP	S0250595		1/1/19	6/1/19	6	5	TCO P1042737	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	5	TCO P1042737	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	6	TCO P1042737	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	5	TCO P1042737	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	5	TCO P1042737	WV	356,500	\$0.3350	\$119,427.50	\$0.00	\$14,928.44	\$14,928.44
E	E	OPP	S0251396	5/1/19		12/1/19	8	1	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$10,850.00	\$10,850.00
E	E	OPP	S0251397	5/1/19		1/1/20	9	1	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$9,644.44	\$9,644.44
E	E	OPP	S0251400	5/1/19		2/1/20	10	1	TCO P1042737	WV	290,000	\$0.2800	\$81,200.00	\$0.00	\$8,120.00	\$8,120.00
E	E	OPP	S0251401	5/1/19		3/1/20	11	1	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$7,890.91	\$7,890.91
											3,209,000		\$1,407,827.50		\$195,341.92	\$195,341.92

JUNE 2019

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

Flow Period: Jun-19

<u>Ln.</u>	<u>PBR Component Description</u>	Jun-19 ACTUAL	
1	CPS = (TPBR) x ASP	\$24,729.82	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$305,156.89</u>	50% of remainder
3	Total Company Performance Share	\$329,886.71	
4	TCI (includes Marketed CapR)	\$518,751.68	
5	GCI	(\$6,047.10)	
6	OSSI		
	Sales	\$0.00	
	Exch	\$180,041.92	
7	TPBR = (TCI+GCI+OSSI)	\$692,746.50	
8	AGC (**Total Gas Cost)	\$4,121,635.87	
	Sys Supply Purch	\$2,677,713.50	
	Core	\$14,369.16	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,429,553.21	
			tell
9	2% of AGC	\$82,432.72	
10	PAC = (TPBR) / AGC	16.81%	

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-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	95,440	\$6.6120	Demand Vol @ Max Rate	\$631,049.28
		TCO	81540	SST	15,000	\$6.6120	Demand Vol @ Max Rate	<u>\$99,180.00</u>
			0				\$1,033,318.21	
			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	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				\$556,094.53	
Marketed Cap Release		CGT	FTS-1		23,000	\$0.6820		\$11,843.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$600.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$7,125.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CKT	FTS		8,000	\$2.7450		\$21,960.00
							Total TCI	\$518,751.68

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-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)					
6/1/19	\$2.3200	\$2.3900	\$2.5600	\$2.2000	\$2.2550	\$2.3800	\$2.2300	\$2.3500	\$2.4400	\$2.2500	\$2.3317	\$2.4600
6/2/19	\$2.3200	\$2.3900	\$2.5600	\$2.2000	\$2.2550	\$2.3800	\$2.2300	\$2.3500	\$2.4400	\$2.2500	\$2.3317	\$2.4600
6/3/19	\$2.3200	\$2.3900	\$2.5600	\$2.2000	\$2.2550	\$2.3800	\$2.2300	\$2.3500	\$2.4400	\$2.2500	\$2.3317	\$2.4600
6/4/19	\$2.3200	\$2.3900	\$2.5600	\$2.1600	\$2.2100	\$2.3300	\$2.1100	\$2.1800	\$2.2900	\$2.1967	\$2.2600	\$2.3933
6/5/19	\$2.3200	\$2.3900	\$2.5600	\$2.1350	\$2.1900	\$2.3500	\$2.1100	\$2.1800	\$2.2900	\$2.1883	\$2.2533	\$2.4000
6/6/19	\$2.3200	\$2.3900	\$2.5600	\$2.1200	\$2.1750	\$2.3000	\$2.1100	\$2.1800	\$2.2900	\$2.1833	\$2.2483	\$2.3833
6/7/19	\$2.3200	\$2.3900	\$2.5600	\$2.1250	\$2.1850	\$2.2650	\$2.1100	\$2.1800	\$2.2900	\$2.1850	\$2.2517	\$2.3717
6/8/19	\$2.3200	\$2.3900	\$2.5600	\$2.0900	\$2.1500	\$2.2200	\$2.1100	\$2.1800	\$2.2900	\$2.1733	\$2.2400	\$2.3567
6/9/19	\$2.3200	\$2.3900	\$2.5600	\$2.0900	\$2.1500	\$2.2200	\$2.1100	\$2.1800	\$2.2900	\$2.1733	\$2.2400	\$2.3567
6/10/19	\$2.3200	\$2.3900	\$2.5600	\$2.0900	\$2.1500	\$2.2200	\$2.1100	\$2.1800	\$2.2900	\$2.1733	\$2.2400	\$2.3567
6/11/19	\$2.3200	\$2.3900	\$2.5600	\$2.0700	\$2.1300	\$2.2300	\$2.0500	\$2.1200	\$2.2300	\$2.1467	\$2.2133	\$2.3400
6/12/19	\$2.3200	\$2.3900	\$2.5600	\$2.0850	\$2.1450	\$2.2450	\$2.0500	\$2.1200	\$2.2300	\$2.1517	\$2.2183	\$2.3450
6/13/19	\$2.3200	\$2.3900	\$2.5600	\$2.0950	\$2.1600	\$2.2700	\$2.0500	\$2.1200	\$2.2300	\$2.1550	\$2.2233	\$2.3533
6/14/19	\$2.3200	\$2.3900	\$2.5600	\$2.0550	\$2.1200	\$2.2200	\$2.0500	\$2.1200	\$2.2300	\$2.1417	\$2.2100	\$2.3367
6/15/19	\$2.3200	\$2.3900	\$2.5600	\$2.0300	\$2.1100	\$2.2550	\$2.0500	\$2.1200	\$2.2300	\$2.1333	\$2.2067	\$2.3483
6/16/19	\$2.3200	\$2.3900	\$2.5600	\$2.0300	\$2.1100	\$2.2550	\$2.0500	\$2.1200	\$2.2300	\$2.1333	\$2.2067	\$2.3483
6/17/19	\$2.3200	\$2.3900	\$2.5600	\$2.0300	\$2.1100	\$2.2550	\$2.0500	\$2.1200	\$2.2300	\$2.1333	\$2.2067	\$2.3483
6/18/19	\$2.3200	\$2.3900	\$2.5600	\$2.1200	\$2.1850	\$2.3100	\$2.0200	\$2.0600	\$2.2100	\$2.1533	\$2.2117	\$2.3600
6/19/19	\$2.3200	\$2.3900	\$2.5600	\$2.1150	\$2.1800	\$2.3000	\$2.0200	\$2.0600	\$2.2100	\$2.1517	\$2.2100	\$2.3567
6/20/19	\$2.3200	\$2.3900	\$2.5600	\$2.1100	\$2.1650	\$2.2850	\$2.0200	\$2.0600	\$2.2100	\$2.1500	\$2.2050	\$2.3517
6/21/19	\$2.3200	\$2.3900	\$2.5600	\$2.0450	\$2.1000	\$2.2200	\$2.0200	\$2.0600	\$2.2100	\$2.1283	\$2.1833	\$2.3300
6/22/19	\$2.3200	\$2.3900	\$2.5600	\$1.9300	\$1.9800	\$2.1400	\$2.0200	\$2.0600	\$2.2100	\$2.0900	\$2.1433	\$2.3033
6/23/19	\$2.3200	\$2.3900	\$2.5600	\$1.9300	\$1.9800	\$2.1400	\$2.0200	\$2.0600	\$2.2100	\$2.0900	\$2.1433	\$2.3033
6/24/19	\$2.3200	\$2.3900	\$2.5600	\$1.9300	\$1.9800	\$2.1400	\$2.0200	\$2.0600	\$2.2100	\$2.0900	\$2.1433	\$2.3033
6/25/19	\$2.3200	\$2.3900	\$2.5600	\$1.9850	\$2.0150	\$2.1800	\$2.0300	\$2.0700	\$2.2200	\$2.1117	\$2.1583	\$2.3200
6/26/19	\$2.3200	\$2.3900	\$2.5600	\$2.0250	\$2.0550	\$2.2050	\$2.0300	\$2.0700	\$2.2200	\$2.1250	\$2.1717	\$2.3283
6/27/19	\$2.3200	\$2.3900	\$2.5600	\$2.0350	\$2.0900	\$2.2500	\$2.0300	\$2.0700	\$2.2200	\$2.1283	\$2.1833	\$2.3433
6/28/19	\$2.3200	\$2.3900	\$2.5600	\$2.0400	\$2.0850	\$2.2150	\$2.0300	\$2.0700	\$2.2200	\$2.1300	\$2.1817	\$2.3317
6/29/19	\$2.3200	\$2.3900	\$2.5600	\$2.0400	\$2.0850	\$2.2150	\$2.0300	\$2.0700	\$2.2200	\$2.1300	\$2.1817	\$2.3317
6/30/19	\$2.3200	\$2.3900	\$2.5600	\$2.0400	\$2.0850	\$2.2150	\$2.0300	\$2.0700	\$2.2200	\$2.1300	\$2.1817	\$2.3317
Avg Rate	\$2.3200	\$2.3900	\$2.5600	\$2.0717	\$2.1282	\$2.2530	\$2.0710	\$2.1330	\$2.2583	\$2.1542	\$2.2171	\$2.3571

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,240,200	\$2,677,713.50	\$2,671,666.40	(\$6,047.10)
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					(\$6,047.10)

NO SALES ACTIVITY FOR JUNE 2019

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

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			TRANSPORT COST	TOTAL SALE	MARGIN
											SALES VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$			
E	E	OPP	S0250664	6/1/19	1/1/19	6/1/19	6	6	TCO P1042737	WV	150,000	\$0.9000	\$135,000.00	\$0.00	\$22,500.00	\$22,500.00
E	E	OPP	S0250595	6/1/19	1/1/19	6/1/19	6	6	TCO P1042737	WV	351,000	\$0.2700	\$94,770.00	\$0.00	\$15,795.00	\$15,795.00
E	E	OPP	S0250512		12/1/18	7/1/19	8	7	TCO P1042737	WV	542,500	\$0.9700	\$526,225.00	\$0.00	\$65,778.13	\$65,778.13
E	E	OPP	S0250613		1/1/19	8/1/19	8	6	TCO P1042737	WV	356,500	\$0.3350	\$119,427.50	\$0.00	\$14,928.44	\$14,928.44
E	E	OPP	S0250612		1/1/19	8/1/19	8	6	TCO P1042737	WV	356,500	\$0.3200	\$114,080.00	\$0.00	\$14,260.00	\$14,260.00
E	E	OPP	S0251990		6/1/19	9/1/19	4	1	TCO P1042737	WV	30,000	\$0.0800	\$2,400.00	\$0.00	\$600.00	\$600.00
E	E	OPP	S0252019		6/1/19	9/1/19	4	1	TCO P1042737	WV	30,000	\$0.1500	\$4,500.00	\$0.00	\$1,125.00	\$1,125.00
E	E	OPP	S0252028		6/1/19	9/1/19	4	1	TCO P1042737	WV	240,000	\$0.1250	\$30,000.00	\$0.00	\$7,500.00	\$7,500.00
E	E	OPP	S0252190		6/1/19	9/1/19	4	1	TCO P1042737	WV	30,000	\$0.1400	\$4,200.00	\$0.00	\$1,050.00	\$1,050.00
E	E	OPP	S0251396	5/1/19		12/1/19	8	2	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$10,850.00	\$10,850.00
E	E	OPP	S0251397	5/1/19		1/1/20	9	2	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$9,644.44	\$9,644.44
E	E	OPP	S0251400	5/1/19		2/1/20	10	2	TCO P1042737	WV	290,000	\$0.2800	\$81,200.00	\$0.00	\$8,120.00	\$8,120.00
E	E	OPP	S0251401	5/1/19		3/1/20	11	2	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$7,890.91	\$7,890.91
											3,306,500		\$1,372,202.50		\$180,041.92	\$180,041.92

JULY 2019

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

Flow Period: Jul-19

<u>Ln.</u>	<u>PBR Component Description</u>	Jul-19 ACTUAL	
1	CPS = (TPBR) x ASP	\$22,353.33	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$327,939.86</u>	50% of remainder
3	Total Company Performance Share	\$350,293.19	
4	TCI (includes Marketed CapR)	\$516,520.43	
5	GCI	\$65,831.98	
6	OSSI		
	Sales	\$4,891.50	
	Exch	\$143,146.92	
7	TPBR = (TCI+GCI+OSSI)	\$730,390.83	
8	AGC (**Total Gas Cost)	\$3,725,555.17	
	Sys Supply Purch	\$2,276,516.50	
	Core	\$10,603.98	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,438,434.69	
			tell
9	2% of AGC	\$74,511.10	
10	PAC = (TPBR) / AGC	19.60%	

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: Jul-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	95,440	\$6.6120	Demand Vol @ Max Rate	\$631,049.28
		TCO	81540	SST	15,000	\$6.6120	Demand Vol @ Max Rate	\$99,180.00
			0					\$1,033,318.21
			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	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					\$556,094.53
Marketed Cap Release		CGT	FTS-1		23,000	\$0.6820		\$3,890.50
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$9,555.75
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$3,890.50
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CKT	FTS		8,000	\$2.7450		\$21,960.00
Total TCI								\$516,520.43

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-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)					
7/1/19	\$1.9900	\$2.0600	\$2.2000	\$2.0600	\$2.1200	\$2.2750	\$2.0300	\$2.0700	\$2.2200	\$2.0267	\$2.0833	\$2.2317
7/2/19	\$1.9900	\$2.0600	\$2.2000	\$2.0250	\$2.0650	\$2.1900	\$2.0100	\$2.0400	\$2.2000	\$2.0083	\$2.0550	\$2.1967
7/3/19	\$1.9900	\$2.0600	\$2.2000	\$2.0200	\$2.0600	\$2.2050	\$2.0100	\$2.0400	\$2.2000	\$2.0067	\$2.0533	\$2.2017
7/4/19	\$1.9900	\$2.0600	\$2.2000	\$1.9950	\$2.0350	\$2.1900	\$2.0100	\$2.0400	\$2.2000	\$1.9983	\$2.0450	\$2.1967
7/5/19	\$1.9900	\$2.0600	\$2.2000	\$1.9950	\$2.0350	\$2.1900	\$2.0100	\$2.0400	\$2.2000	\$1.9983	\$2.0450	\$2.1967
7/6/19	\$1.9900	\$2.0600	\$2.2000	\$1.9950	\$2.0350	\$2.1900	\$2.0100	\$2.0400	\$2.2000	\$1.9983	\$2.0450	\$2.1967
7/7/19	\$1.9900	\$2.0600	\$2.2000	\$1.9950	\$2.0350	\$2.1900	\$2.0100	\$2.0400	\$2.2000	\$1.9983	\$2.0450	\$2.1967
7/8/19	\$1.9900	\$2.0600	\$2.2000	\$1.9950	\$2.0350	\$2.1900	\$2.0100	\$2.0400	\$2.2000	\$1.9983	\$2.0450	\$2.1967
7/9/19	\$1.9900	\$2.0600	\$2.2000	\$2.1150	\$2.1900	\$2.3000	\$2.1900	\$2.2600	\$2.3800	\$2.0983	\$2.1700	\$2.2933
7/10/19	\$1.9900	\$2.0600	\$2.2000	\$2.1200	\$2.1950	\$2.3200	\$2.1900	\$2.2600	\$2.3800	\$2.1000	\$2.1717	\$2.3000
7/11/19	\$1.9900	\$2.0600	\$2.2000	\$2.2500	\$2.3250	\$2.4050	\$2.1900	\$2.2600	\$2.3800	\$2.1433	\$2.2150	\$2.3283
7/12/19	\$1.9900	\$2.0600	\$2.2000	\$2.2650	\$2.3100	\$2.4150	\$2.1900	\$2.2600	\$2.3800	\$2.1483	\$2.2100	\$2.3317
7/13/19	\$1.9900	\$2.0600	\$2.2000	\$2.2400	\$2.2900	\$2.3900	\$2.1900	\$2.2600	\$2.3800	\$2.1400	\$2.2033	\$2.3233
7/14/19	\$1.9900	\$2.0600	\$2.2000	\$2.2400	\$2.2900	\$2.3900	\$2.1900	\$2.2600	\$2.3800	\$2.1400	\$2.2033	\$2.3233
7/15/19	\$1.9900	\$2.0600	\$2.2000	\$2.2400	\$2.2900	\$2.3900	\$2.1900	\$2.2600	\$2.3800	\$2.1400	\$2.2033	\$2.3233
7/16/19	\$1.9900	\$2.0600	\$2.2000	\$2.2250	\$2.2450	\$2.3550	\$2.1400	\$2.1600	\$2.2700	\$2.1183	\$2.1550	\$2.2750
7/17/19	\$1.9900	\$2.0600	\$2.2000	\$2.1600	\$2.2000	\$2.2850	\$2.1400	\$2.1600	\$2.2700	\$2.0967	\$2.1400	\$2.2517
7/18/19	\$1.9900	\$2.0600	\$2.2000	\$2.1900	\$2.2050	\$2.3000	\$2.1400	\$2.1600	\$2.2700	\$2.1067	\$2.1417	\$2.2567
7/19/19	\$1.9900	\$2.0600	\$2.2000	\$2.1700	\$2.2000	\$2.2900	\$2.1400	\$2.1600	\$2.2700	\$2.1000	\$2.1400	\$2.2533
7/20/19	\$1.9900	\$2.0600	\$2.2000	\$2.0600	\$2.0850	\$2.1950	\$2.1400	\$2.1600	\$2.2700	\$2.0633	\$2.1017	\$2.2217
7/21/19	\$1.9900	\$2.0600	\$2.2000	\$2.0600	\$2.0850	\$2.1950	\$2.1400	\$2.1600	\$2.2700	\$2.0633	\$2.1017	\$2.2217
7/22/19	\$1.9900	\$2.0600	\$2.2000	\$2.0600	\$2.0850	\$2.1950	\$2.1400	\$2.1600	\$2.2700	\$2.0633	\$2.1017	\$2.2217
7/23/19	\$1.9900	\$2.0600	\$2.2000	\$2.0400	\$2.0500	\$2.2300	\$1.9800	\$2.0100	\$2.1700	\$2.0033	\$2.0400	\$2.2000
7/24/19	\$1.9900	\$2.0600	\$2.2000	\$2.0200	\$2.0400	\$2.2150	\$1.9800	\$2.0100	\$2.1700	\$1.9967	\$2.0367	\$2.1950
7/25/19	\$1.9900	\$2.0600	\$2.2000	\$1.9700	\$1.9900	\$2.1650	\$1.9800	\$2.0100	\$2.1700	\$1.9800	\$2.0200	\$2.1783
7/26/19	\$1.9900	\$2.0600	\$2.2000	\$1.9850	\$2.0250	\$2.1550	\$1.9800	\$2.0100	\$2.1700	\$1.9850	\$2.0317	\$2.1750
7/27/19	\$1.9900	\$2.0600	\$2.2000	\$1.9350	\$1.9600	\$2.1100	\$1.9800	\$2.0100	\$2.1700	\$1.9683	\$2.0100	\$2.1600
7/28/19	\$1.9900	\$2.0600	\$2.2000	\$1.9350	\$1.9600	\$2.1100	\$1.9800	\$2.0100	\$2.1700	\$1.9683	\$2.0100	\$2.1600
7/29/19	\$1.9900	\$2.0600	\$2.2000	\$1.9350	\$1.9600	\$2.1100	\$1.9800	\$2.0100	\$2.1700	\$1.9683	\$2.0100	\$2.1600
7/30/19	\$1.9900	\$2.0600	\$2.2000	\$1.9450	\$1.9650	\$2.1000	\$1.9100	\$1.9700	\$2.1000	\$1.9483	\$1.9983	\$2.1333
7/31/19	\$1.9900	\$2.0600	\$2.2000	\$1.9500	\$1.9600	\$2.0850	\$1.9100	\$1.9700	\$2.1000	\$1.9500	\$1.9967	\$2.1283
Avg Rate	\$1.9900	\$2.0600	\$2.2000	\$2.0706	\$2.1073	\$2.2363	\$2.0674	\$2.1065	\$2.2439	\$2.0427	\$2.0912	\$2.2267

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,146,699	\$2,276,516.50	\$2,342,348.48	\$65,831.98
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$65,831.98

COLUMBIA GAS OF KENTUCKY
SALES Activity Booking Report
Jul-19

DATA *	SALES TYPE **	SALES CATEGORY	SALES ID	RECEIPT	DELIVERY	DELIVERY POINT	INVOICED SALES AMOUNTS			MARGIN
				FLOW	FLOW		STATE	Sales Amounts		
				DATE	DATE		OF SALE	VOLUMES INVOICED	SALES RATE	
							Dth	\$/Dth		
I	S	OPP	S0252296	7/1/19	7/1/19	TCO P1042737	WV	5,000	\$2.1250	\$512.50
I	S	OPP	S0252297	7/1/19	7/1/19	TCO P1042737	WV	5,000	\$2.1250	\$512.50
I	S	OPP	S0252298	7/1/19	7/1/19	TCO P1042737	WV	5,000	\$2.1250	\$512.50
I	S	OPP	S0252303	7/1/19	7/1/19	TCO P1042737	WV	5,000	\$2.1775	\$775.00
I	S	OPP	S0252318	7/1/19	7/1/19	TCO P1042737	WV	1,200	\$2.2550	\$93.00
I	S	OPP	S0252319	7/1/19	7/1/19	TCO P1042737	WV	10,000	\$2.2550	\$450.00
I	S	OPP	S0252322	7/1/19	7/1/19	TCO P1042737	WV	5,000	\$2.2675	\$287.50
I	S	OPP	S0252323	7/1/19	7/1/19	TCO P1042737	WV	2,400	\$2.2675	\$606.00
I	S	OPP	S0252325	7/1/19	7/1/19	TCO P1042737	WV	10,000	\$2.2600	\$500.00
I	S	OPP	S0252326	7/1/19	7/1/19	TCO P1042737	WV	8,000	\$2.2600	\$400.00
I	S	OPP	S0252360	7/1/19	7/1/19	TCO P1042737	WV	5,000	\$2.2300	\$100.00
I	S	OPP	S0252399	7/1/19	7/1/19	TCO P1042737	WV	2,000	\$2.2150	\$50.00
I	S	OPP	S0252401	7/1/19	7/1/19	TCO P1042737	WV	2,500	\$2.2050	\$37.50
I	S	OPP	S0252402	7/1/19	7/1/19	TCO P1042737	WV	5,000	\$2.1950	\$27.50
I	S	OPP	S0252403	7/1/19	7/1/19	TCO P1042737	WV	5,500	\$2.1950	\$27.50
								76,600		\$4,891.50

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

										SALES AMOUNTS						
DATA	SALES	EXCH		RECEIPT	DELIVERY		# OF	# OF		STATE		SALES	TOTAL	TRANSPORT	TOTAL	
STATUS	TYPE**	TYPE	SALES ID	FLOW	FLOW	INVOICE	MONTHS	MONTHS	DELIVERY	OF	SALE	RATE	SALE	COST	SALE	MARGIN
				DATE	DATE	MONTH	IN TERM	EXPIRED	POINT			\$/Dth	\$			
E	E	OPP	S0250512	7/1/19	12/1/18	7/1/19	8	8	TCO P1042737	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	7	TCO P1042737	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	7	TCO P1042737	WV	356,500	\$0.3350	\$119,427.50	\$0.00	\$14,928.44	\$14,928.44
E	E	OPP	S0252028		6/1/19	9/1/19	4	2	TCO P1042737	WV	240000	\$0.1250	\$30,000.00	\$0.00	\$7,500.00	\$7,500.00
E	E	OPP	S0252190		6/1/19	9/1/19	4	2	TCO P1042737	WV	30,000	\$0.1400	\$4,200.00	\$0.00	\$1,050.00	\$1,050.00
E	E	OPP	S0252223		7/1/19	9/1/19	3	1	TCO P1042737	WV	30,000	\$0.1400	\$4,200.00	\$0.00	\$1,400.00	\$1,400.00
E	E	OPP	S0251990		6/1/19	9/1/19	4	2	TCO P1042737	WV	30,000	\$0.0800	\$2,400.00	\$0.00	\$600.00	\$600.00
E	E	OPP	S0252019		6/1/19	9/1/19	4	2	TCO P1042737	WV	30,000	\$0.1500	\$4,500.00	\$0.00	\$1,125.00	\$1,125.00
E	E	OPP	S0251396	5/1/19		12/1/19	8	3	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$10,850.00	\$10,850.00
E	E	OPP	S0251397	5/1/19		1/1/20	9	3	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$9,644.44	\$9,644.44
E	E	OPP	S0251400	5/1/19		2/1/20	10	3	TCO P1042737	WV	290,000	\$0.2800	\$81,200.00	\$0.00	\$8,120.00	\$8,120.00
E	E	OPP	S0251401	5/1/19		3/1/20	11	3	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$7,890.91	\$7,890.91
											2,835,500		\$1,146,632.50		\$143,146.92	\$143,146.92

AUGUST 2019

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

Flow Period: Aug-19

<u>Ln.</u>	<u>PBR Component Description</u>	Aug-19 ACTUAL	
1	CPS = (TPBR) x ASP	\$23,093.11	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$275,748.46</u>	50% of remainder
3	Total Company Performance Share	\$298,841.57	
4	TCI (includes Marketed CapR)	\$520,970.48	
5	GCI	\$29,484.68	
6	OSSI		
	Sales	\$650.00	
	Exch	\$77,368.79	
7	TPBR = (TCI+GCI+OSSI)	\$628,473.95	
8	AGC (**Total Gas Cost)	\$3,848,851.32	
	Sys Supply Purch	\$2,414,422.78	
	Core	\$10,172.06	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,424,256.48	
			tell
9	2% of AGC	\$76,977.03	
10	PAC = (TPBR) / AGC	16.33%	

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-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	95,440	\$6.6120	Demand Vol @ Max Rate	\$631,049.28
		TCO	81540	SST	15,000	\$6.6120	Demand Vol @ Max Rate	<u>\$99,180.00</u>
			0					\$1,033,318.21
			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	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					\$556,094.53
Marketed Cap Release		CGT	FTS-1		23,000	\$0.6820		\$19,988.80
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$1,798.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CKT	FTS		8,000	\$2.7450		\$21,960.00
Total TCI								\$520,970.48

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-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)					
8/1/19	\$1.8700	\$1.9200	\$2.0600	\$2.0000	\$2.0400	\$2.1750	\$1.9100	\$1.9700	\$2.1000	\$1.9267	\$1.9767	\$2.1117
8/2/19	\$1.8700	\$1.9200	\$2.0600	\$1.9950	\$2.0400	\$2.2550	\$1.9100	\$1.9700	\$2.1000	\$1.9250	\$1.9767	\$2.1383
8/3/19	\$1.8700	\$1.9200	\$2.0600	\$1.8600	\$1.9100	\$2.0500	\$1.9100	\$1.9700	\$2.1000	\$1.8800	\$1.9333	\$2.0700
8/4/19	\$1.8700	\$1.9200	\$2.0600	\$1.8600	\$1.9100	\$2.0500	\$1.9100	\$1.9700	\$2.1000	\$1.8800	\$1.9333	\$2.0700
8/5/19	\$1.8700	\$1.9200	\$2.0600	\$1.8600	\$1.9100	\$2.0500	\$1.9100	\$1.9700	\$2.1000	\$1.8800	\$1.9333	\$2.0700
8/6/19	\$1.8700	\$1.9200	\$2.0600	\$1.8750	\$1.9150	\$2.0500	\$1.9100	\$1.9500	\$2.0900	\$1.8850	\$1.9283	\$2.0667
8/7/19	\$1.8700	\$1.9200	\$2.0600	\$1.9500	\$1.9950	\$2.1000	\$1.9100	\$1.9500	\$2.0900	\$1.9100	\$1.9550	\$2.0833
8/8/19	\$1.8700	\$1.9200	\$2.0600	\$1.9350	\$1.9750	\$2.1000	\$1.9100	\$1.9500	\$2.0900	\$1.9050	\$1.9483	\$2.0833
8/9/19	\$1.8700	\$1.9200	\$2.0600	\$1.9050	\$1.9550	\$2.0900	\$1.9100	\$1.9500	\$2.0900	\$1.8950	\$1.9417	\$2.0800
8/10/19	\$1.8700	\$1.9200	\$2.0600	\$1.8950	\$1.9500	\$2.0950	\$1.9100	\$1.9500	\$2.0900	\$1.8917	\$1.9400	\$2.0817
8/11/19	\$1.8700	\$1.9200	\$2.0600	\$1.8950	\$1.9500	\$2.0950	\$1.9100	\$1.9500	\$2.0900	\$1.8917	\$1.9400	\$2.0817
8/12/19	\$1.8700	\$1.9200	\$2.0600	\$1.8950	\$1.9500	\$2.0950	\$1.9100	\$1.9500	\$2.0900	\$1.8917	\$1.9400	\$2.0817
8/13/19	\$1.8700	\$1.9200	\$2.0600	\$1.9150	\$1.9650	\$2.1400	\$1.9400	\$1.9800	\$2.1400	\$1.9083	\$1.9550	\$2.1133
8/14/19	\$1.8700	\$1.9200	\$2.0600	\$1.9150	\$1.9600	\$2.1300	\$1.9400	\$1.9800	\$2.1400	\$1.9083	\$1.9533	\$2.1100
8/15/19	\$1.8700	\$1.9200	\$2.0600	\$1.9050	\$1.9450	\$2.1100	\$1.9400	\$1.9800	\$2.1400	\$1.9050	\$1.9483	\$2.1033
8/16/19	\$1.8700	\$1.9200	\$2.0600	\$1.9300	\$1.9850	\$2.1400	\$1.9400	\$1.9800	\$2.1400	\$1.9133	\$1.9617	\$2.1133
8/17/19	\$1.8700	\$1.9200	\$2.0600	\$1.9600	\$2.0150	\$2.1600	\$1.9400	\$1.9800	\$2.1400	\$1.9233	\$1.9717	\$2.1200
8/18/19	\$1.8700	\$1.9200	\$2.0600	\$1.9600	\$2.0150	\$2.1600	\$1.9400	\$1.9800	\$2.1400	\$1.9233	\$1.9717	\$2.1200
8/19/19	\$1.8700	\$1.9200	\$2.0600	\$1.9600	\$2.0150	\$2.1600	\$1.9400	\$1.9800	\$2.1400	\$1.9233	\$1.9717	\$2.1200
8/20/19	\$1.8700	\$1.9200	\$2.0600	\$1.9900	\$2.0250	\$2.1700	\$1.9200	\$1.9700	\$2.1600	\$1.9267	\$1.9717	\$2.1300
8/21/19	\$1.8700	\$1.9200	\$2.0600	\$2.0050	\$2.0500	\$2.2100	\$1.9200	\$1.9700	\$2.1600	\$1.9317	\$1.9800	\$2.1433
8/22/19	\$1.8700	\$1.9200	\$2.0600	\$1.9650	\$2.0150	\$2.1800	\$1.9200	\$1.9700	\$2.1600	\$1.9183	\$1.9683	\$2.1333
8/23/19	\$1.8700	\$1.9200	\$2.0600	\$1.9150	\$1.9750	\$2.1600	\$1.9200	\$1.9700	\$2.1600	\$1.9017	\$1.9550	\$2.1267
8/24/19	\$1.8700	\$1.9200	\$2.0600	\$1.8650	\$1.9350	\$2.1200	\$1.9200	\$1.9700	\$2.1600	\$1.8850	\$1.9417	\$2.1133
8/25/19	\$1.8700	\$1.9200	\$2.0600	\$1.8650	\$1.9350	\$2.1200	\$1.9200	\$1.9700	\$2.1600	\$1.8850	\$1.9417	\$2.1133
8/26/19	\$1.8700	\$1.9200	\$2.0600	\$1.8650	\$1.9350	\$2.1200	\$1.9200	\$1.9700	\$2.1600	\$1.8850	\$1.9417	\$2.1133
8/27/19	\$1.8700	\$1.9200	\$2.0600	\$1.9200	\$1.9750	\$2.1500	\$1.8900	\$1.9600	\$2.2400	\$1.8933	\$1.9517	\$2.1500
8/28/19	\$1.8700	\$1.9200	\$2.0600	\$1.9000	\$1.9450	\$2.1400	\$1.8900	\$1.9600	\$2.2400	\$1.8867	\$1.9417	\$2.1467
8/29/19	\$1.8700	\$1.9200	\$2.0600	\$1.9400	\$1.9800	\$2.2050	\$1.8900	\$1.9600	\$2.2400	\$1.9000	\$1.9533	\$2.1683
8/30/19	\$1.8700	\$1.9200	\$2.0600	\$1.9350	\$1.9800	\$2.2100	\$1.8900	\$1.9600	\$2.2400	\$1.8983	\$1.9533	\$2.1700
8/31/19	\$1.8700	\$1.9200	\$2.0600	\$1.9350	\$1.9800	\$2.2100	\$1.8900	\$1.9600	\$2.2400	\$1.8983	\$1.9533	\$2.1700
Avg Rate	\$1.8700	\$1.9200	\$2.0600	\$1.9216	\$1.9719	\$2.1355	\$1.9158	\$1.9661	\$2.1429	\$1.9025	\$1.9527	\$2.1128

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,284,595	\$2,414,422.78	\$2,443,907.46	\$29,484.68
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$29,484.68

COLUMBIA GAS OF KENTUCKY
SALES Activity Booking Report
Aug-19

DATA * STATUS	SALES TYPE **	SALES CATEGORY	SALES ID (1)	RECEIPT	DELIVERY	DELIVERY POINT	INVOICED SALES AMOUNTS			MARGIN
				FLOW DATE (2)	FLOW DATE (3)		STATE OF SALE (16)	VOLUMES INVOICED (17 A) Dth	SALES RATE (18 A) \$/Dth	
I	S	OPP	S0252530	8/1/19	8/1/19	TCO P1042737	WV	10,000	\$2.0200	\$225.00
I	S	OPP	S0252531	8/1/19	8/1/19	TCO P1042737	WV	10,000	\$2.0200	\$225.00
I	S	OPP	S0252730	8/1/19	8/1/19	TCO P1042737	WV	10,000	\$1.9400	\$200.00
								30,000		\$650.00

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

											SALES AMOUNTS				
DATA	SALES	EXCH	RECEIPT	DELIVERY		# OF	# OF		STATE		SALES	TOTAL	TRANSPORT	TOTAL	
STATUS	TYPE**	TYPE	FLOW	FLOW	INVOICE	MONTHS	MONTHS	DELIVERY	OF	VOLUMES	RATE	SALE	COST	SALE	MARGIN
		SALES ID	DATE	DATE	MONTH	IN TERM	EXPIRED	POINT	SALE	Dth	\$/Dth	\$			
E	E	OPP	S0250612	8/1/19	1/1/19	8/1/19	8	8 TCO P1042737	WV	356,500	\$0.3200	\$114,080.00	\$0.00	\$14,260.00	\$14,260.00
E	E	OPP	S0250613	8/1/19	1/1/19	8/1/19	8	8 TCO P1042737	WV	356,500	\$0.3350	\$119,427.50	\$0.00	\$14,928.44	\$14,928.44
E	E	OPP	S0251990		6/1/19	9/1/19	4	3 TCO P1042737	WV	30,000	\$0.0800	\$2,400.00	\$0.00	\$600.00	\$600.00
E	E	OPP	S0252019		6/1/19	9/1/19	4	3 TCO P1042737	WV	30,000	\$0.1500	\$4,500.00	\$0.00	\$1,125.00	\$1,125.00
E	E	OPP	S0252028		6/1/19	9/1/19	4	3 TCO P1042737	WV	240,000	\$0.1250	\$30,000.00	\$0.00	\$7,500.00	\$7,500.00
E	E	OPP	S0252190		6/1/19	9/1/19	4	3 TCO P1042737	WV	30,000	\$0.1400	\$4,200.00	\$0.00	\$1,050.00	\$1,050.00
E	E	OPP	S0252223		7/1/19	9/1/19	3	2 TCO P1042737	WV	30,000	\$0.1400	\$4,200.00	\$0.00	\$1,400.00	\$1,400.00
E	E	OPP	S0251396	5/1/19		12/1/19	8	4 TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$10,850.00	\$10,850.00
E	E	OPP	S0251397	5/1/19		1/1/20	9	4 TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$9,644.44	\$9,644.44
E	E	OPP	S0251400	5/1/19		2/1/20	10	4 TCO P1042737	WV	290000	\$0.2800	\$81,200.00	\$0.00	\$8,120.00	\$8,120.00
E	E	OPP	S0251401	5/1/19		3/1/20	11	4 TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$7,890.91	\$7,890.91
										2,293,000		\$620,407.50		\$77,368.79	\$77,368.79

SEPTEMBER 2019

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

Flow Period: Sep-19

<u>Ln.</u>	<u>PBR Component Description</u>	Sep-19	
		ACTUAL	
1	CPS = (TPBR) x ASP	\$19,539.28	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$263,375.07</u>	50% of remainder
3	Total Company Performance Share	\$282,914.35	
4	TCI (includes Marketed CapR)	\$514,825.68	
5	GCI	\$20,851.58	
6	OSSI		
	Sales	\$3,373.45	
	Exch	\$52,830.35	
7	TPBR = (TCI+GCI+OSSI)	\$591,881.06	
8	AGC (**Total Gas Cost)	\$3,256,545.91	
	Sys Supply Purch	\$1,827,019.00	
	Core	\$10,559.43	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,418,967.48	
			tell
9	2% of AGC	\$65,130.92	
10	PAC = (TPBR) / AGC	18.18%	

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: Sep-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	95,440	\$6.6120	Demand Vol @ Max Rate	\$631,049.28
		TCO	81540	SST	15,000	\$6.6120	Demand Vol @ Max Rate	<u>\$99,180.00</u>
			0				\$1,033,318.21	
			0			<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5793	Demand Vol @ Disc Rate	\$93,303.13
		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				\$555,494.53	
Marketed Cap Release		CGT	FTS-1		23,700	\$0.6600		\$15,642.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		
Marketed Cap Release		CKT	FTS		8,000	\$2.7450		\$21,960.00
							Total TCI	\$515,425.68

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-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
9/1/19	\$1.8900	\$2.0200	\$2.1900	\$1.8350	\$1.9450	\$2.2600	\$1.8900	\$1.9600	\$2.2400	\$1.8717	\$1.9750	\$2.2300
9/2/19	\$1.8900	\$2.0200	\$2.1900	\$1.8350	\$1.9450	\$2.2600	\$1.8900	\$1.9600	\$2.2400	\$1.8717	\$1.9750	\$2.2300
9/3/19	\$1.8900	\$2.0200	\$2.1900	\$1.8350	\$1.9450	\$2.2600	\$1.9700	\$2.1000	\$2.4100	\$1.8983	\$2.0217	\$2.2867
9/4/19	\$1.8900	\$2.0200	\$2.1900	\$1.9700	\$2.0750	\$2.3550	\$1.9700	\$2.1000	\$2.4100	\$1.9433	\$2.0650	\$2.3183
9/5/19	\$1.8900	\$2.0200	\$2.1900	\$2.0000	\$2.1300	\$2.4200	\$1.9700	\$2.1000	\$2.4100	\$1.9533	\$2.0833	\$2.3400
9/6/19	\$1.8900	\$2.0200	\$2.1900	\$2.0450	\$2.1300	\$2.4300	\$1.9700	\$2.1000	\$2.4100	\$1.9683	\$2.0833	\$2.3433
9/7/19	\$1.8900	\$2.0200	\$2.1900	\$2.0450	\$2.1500	\$2.5000	\$1.9700	\$2.1000	\$2.4100	\$1.9683	\$2.0900	\$2.3667
9/8/19	\$1.8900	\$2.0200	\$2.1900	\$2.0450	\$2.1500	\$2.5000	\$1.9700	\$2.1000	\$2.4100	\$1.9683	\$2.0900	\$2.3667
9/9/19	\$1.8900	\$2.0200	\$2.1900	\$2.0450	\$2.1500	\$2.5000	\$1.9700	\$2.1000	\$2.4100	\$1.9683	\$2.0900	\$2.3667
9/10/19	\$1.8900	\$2.0200	\$2.1900	\$2.2300	\$2.3150	\$2.6250	\$2.3100	\$2.3600	\$2.6000	\$2.1433	\$2.2317	\$2.4717
9/11/19	\$1.8900	\$2.0200	\$2.1900	\$2.3100	\$2.4000	\$2.6250	\$2.3100	\$2.3600	\$2.6000	\$2.1700	\$2.2600	\$2.4717
9/12/19	\$1.8900	\$2.0200	\$2.1900	\$2.3800	\$2.4150	\$2.6000	\$2.3100	\$2.3600	\$2.6000	\$2.1933	\$2.2650	\$2.4633
9/13/19	\$1.8900	\$2.0200	\$2.1900	\$2.3550	\$2.3900	\$2.5800	\$2.3100	\$2.3600	\$2.6000	\$2.1850	\$2.2567	\$2.4567
9/14/19	\$1.8900	\$2.0200	\$2.1900	\$2.2250	\$2.3300	\$2.5900	\$2.3100	\$2.3600	\$2.6000	\$2.1417	\$2.2367	\$2.4600
9/15/19	\$1.8900	\$2.0200	\$2.1900	\$2.2250	\$2.3300	\$2.5900	\$2.3100	\$2.3600	\$2.6000	\$2.1417	\$2.2367	\$2.4600
9/16/19	\$1.8900	\$2.0200	\$2.1900	\$2.2250	\$2.3300	\$2.5900	\$2.3100	\$2.3600	\$2.6000	\$2.1417	\$2.2367	\$2.4600
9/17/19	\$1.8900	\$2.0200	\$2.1900	\$2.3650	\$2.5250	\$2.7300	\$2.0400	\$2.2900	\$2.6000	\$2.0983	\$2.2783	\$2.5067
9/18/19	\$1.8900	\$2.0200	\$2.1900	\$2.3250	\$2.4850	\$2.7150	\$2.0400	\$2.2900	\$2.6000	\$2.0850	\$2.2650	\$2.5017
9/19/19	\$1.8900	\$2.0200	\$2.1900	\$2.3150	\$2.4150	\$2.6450	\$2.0400	\$2.2900	\$2.6000	\$2.0817	\$2.2417	\$2.4783
9/20/19	\$1.8900	\$2.0200	\$2.1900	\$2.1450	\$2.2150	\$2.5250	\$2.0400	\$2.2900	\$2.6000	\$2.0250	\$2.1750	\$2.4383
9/21/19	\$1.8900	\$2.0200	\$2.1900	\$1.8950	\$2.0500	\$2.5050	\$2.0400	\$2.2900	\$2.6000	\$1.9417	\$2.1200	\$2.4317
9/22/19	\$1.8900	\$2.0200	\$2.1900	\$1.8950	\$2.0500	\$2.5050	\$2.0400	\$2.2900	\$2.6000	\$1.9417	\$2.1200	\$2.4317
9/23/19	\$1.8900	\$2.0200	\$2.1900	\$1.8950	\$2.0500	\$2.5050	\$2.0400	\$2.2900	\$2.6000	\$1.9417	\$2.1200	\$2.4317
9/24/19	\$1.8900	\$2.0200	\$2.1900	\$2.0200	\$2.1300	\$2.5150	\$1.7200	\$1.9400	\$2.4600	\$1.8767	\$2.0300	\$2.3883
9/25/19	\$1.8900	\$2.0200	\$2.1900	\$2.0800	\$2.2000	\$2.5550	\$1.7200	\$1.9400	\$2.4600	\$1.8967	\$2.0533	\$2.4017
9/26/19	\$1.8900	\$2.0200	\$2.1900	\$2.0500	\$2.1250	\$2.5050	\$1.7200	\$1.9400	\$2.4600	\$1.8867	\$2.0283	\$2.3850
9/27/19	\$1.8900	\$2.0200	\$2.1900	\$1.9450	\$1.9600	\$2.4950	\$1.7200	\$1.9400	\$2.4600	\$1.8517	\$1.9733	\$2.3817
9/28/19	\$1.8900	\$2.0200	\$2.1900	\$1.4300	\$1.7400	\$2.4250	\$1.7200	\$1.9400	\$2.4600	\$1.6800	\$1.9000	\$2.3583
9/29/19	\$1.8900	\$2.0200	\$2.1900	\$1.4300	\$1.7400	\$2.4250	\$1.7200	\$1.9400	\$2.4600	\$1.6800	\$1.9000	\$2.3583
9/30/19	\$1.8900	\$2.0200	\$2.1900	\$1.4300	\$1.7400	\$2.4250	\$1.7200	\$1.9400	\$2.4600	\$1.6800	\$1.9000	\$2.3583
Avg Rate	\$1.8900	\$2.0200	\$2.1900	\$2.0275	\$2.1518	\$2.5053	\$2.0020	\$2.1583	\$2.4990	\$1.9732	\$2.1101	\$2.3981

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	936,500	\$1,827,019.00	\$1,847,870.58	\$20,851.58
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$20,851.58

COLUMBIA GAS OF KENTUCKY
SALES Activity Booking Report
 Sep-19

DATA * STATUS	SALES TYPE **	SALES CATEGORY	SALES ID	RECEIPT FLOW DATE	DELIVERY FLOW DATE	DELIVERY POINT	INVOICED SALES AMOUNTS			MARGIN
							STATE OF SALE	VOLUMES INVOICED	SALES RATE	
I	S	OPP	S0252875	9/1/19	9/1/19	TCO P1042737	WV	15,000	\$2.0500	\$793.20
I	S	OPP	S0252879	9/1/19	9/1/19	TCO P1042737	WV	10,000	\$2.1050	\$1,100.00
I	S	OPP	S0252923	9/1/19	9/1/19	TCO P1042737	WV	10,000	\$2.2900	\$400.00
I	S	OPP	S0252942	9/1/19	9/1/19	TCO P1042737	WV	400	\$2.3650	\$6.00
I	S	OPP	S0252943	9/1/19	9/1/19	TCO P1042737	WV	5,000	\$2.3650	\$75.00
I	S	OPP	S0252947	9/1/19	9/1/19	TCO P1042737	WV	5,000	\$2.4250	\$375.00
I	S	OPP	S0252949	9/1/19	9/1/19	TCO P1042737	WV	2,200	\$2.4000	\$110.00
I	S	OPP	S0252954	9/1/19	9/1/19	TCO P1042737	WV	3,900	\$2.3950	\$117.00
I	S	OPP	S0252956	9/1/19	9/1/19	TCO P1042737	WV	2,500	\$2.3950	\$75.00
I	S	OPP	S0252969	9/1/19	9/1/19	TCO P1042737	WV	5,000	\$2.3975	\$182.00
I	S	OPP	S0252978	9/1/19	9/1/19	TCO P1042737	WV	8,200	\$2.3575	\$61.50
I	S	OPP	S0252979	9/1/19	9/1/19	TCO P1042737	WV	500	\$2.3575	\$3.75
I	S	OPP	S0253097	9/1/19	9/1/19	TCO P1042737	WV	15,000	\$1.9700	\$75.00
								82,700		\$3,373.45

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

SALES AMOUNTS

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	INVOICE MONTH	# OF	# OF	STATE OF SALE	VOLUMES Dth	SALES	TOTAL	TRANSPORT COST	EXCISE TAX	TOTAL SALE	MARGIN	
				FLOW DATE	FLOW DATE		MONTHS IN TERM	MONTHS EXPIRED			DELIVERY POINT	SALES RATE \$/Dth					SALE \$
E	E	OPP	S0251990	9/1/19	6/1/19	9/1/19	4	4	TCO P1042737	WV	30,000	\$0.0800	\$2,400.00	\$0.00	\$0.00	\$600.00	\$600.00
E	E	OPP	S0252019	9/1/19	6/1/19	9/1/19	4	4	TCO P1042737	WV	30,000	\$0.1500	\$4,500.00	\$0.00	\$0.00	\$1,125.00	\$1,125.00
E	E	OPP	S0252028	9/1/19	6/1/19	9/1/19	4	4	TCO P1042737	WV	240,000	\$0.1250	\$30,000.00	\$0.00	\$0.00	\$7,500.00	\$7,500.00
E	E	OPP	S0252190	9/1/19	6/1/19	9/1/19	4	4	TCO P1042737	WV	30,000	\$0.1400	\$4,200.00	\$0.00	\$0.00	\$1,050.00	\$1,050.00
E	E	OPP	S0252223	9/1/19	7/1/19	9/1/19	3	3	TCO P1042737	WV	30,000	\$0.1400	\$4,200.00	\$0.00	\$0.00	\$1,400.00	\$1,400.00
E	E	OPP	S0251396	5/1/19		12/1/19	8	5	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$10,850.00	\$10,850.00
E	E	OPP	S0252973	9/1/19		1/1/20	5	1	TCO P1042737	WV	93000	\$0.2500	\$23,250.00	\$0.00	\$0.00	\$4,650.00	\$4,650.00
E	E	OPP	S0251397	5/1/19		1/1/20	9	5	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$9,644.44	\$9,644.44
E	E	OPP	S0251400	5/1/19		2/1/20	10	5	TCO P1042737	WV	290,000	\$0.2800	\$81,200.00	\$0.00	\$0.00	\$8,120.00	\$8,120.00
E	E	OPP	S0251401	5/1/19		3/1/20	11	5	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$7,890.91	\$7,890.91
											1,673,000		\$410,150.00			\$52,830.35	\$52,830.35

OCTOBER 2019

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

Flow Period: Oct-19

<u>Ln.</u>	<u>PBR Component Description</u>	Oct-19 ACTUAL	
1	CPS = (TPBR) x ASP	\$15,197.10	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$295,042.81</u>	50% of remainder
3	Total Company Performance Share	\$310,239.91	
4	TCI (includes Marketed CapR)	\$549,663.78	
5	GCI	\$41,526.48	
6	OSSI		
	Sales	\$8,397.00	
	Exch	\$41,155.35	
7	TPBR = (TCI+GCI+OSSI)	\$640,742.61	
8	AGC (**Total Gas Cost)	\$2,532,849.44	
	Sys Supply Purch	\$670,005.50	
	Core	\$17,576.19	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,845,267.75	
			tell
9	2% of AGC	\$50,656.99	
10	PAC = (TPBR) / AGC	25.30%	

Acronyms:

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

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

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

Flow Month: Oct-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	\$205,318.31
		TCO	80160	SST	190,880	\$6.6120	Demand Vol @ Max Rate	\$854,969.99
		TCO	81540	SST	30,000	\$6.6120	Demand Vol @ Max Rate	\$134,372.90
			0				\$1,194,661.20	
			0			<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	308956	FTA	20,506	\$4.5793	Demand Vol @ Disc Rate	\$63,611.79
		TCO	0	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$541,144.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$85,050.00
LESS: Marketed Cap Release		TCO	SST		0	\$0.0000	<u>\$0.00</u>	
			0				\$689,806.59	
Marketed Cap Release		CGT	FTS-1		23,700	\$0.9641		\$22,849.17
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CKT	FTS		8,000	\$2.7450		\$21,960.00
Total TCI								\$549,663.78

(2) Per the CKY PSC order entered into on 10/22/19, the TCI calculation has been adjusted to recognize only 67.74% (21/31) revenue for the month

Effective 10/22, the current discount rate becomes the "new benchmark", therefore, no TCI revenue would be recognized for the 10/22 - 10/31

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

CKY GCI CALCULATION

Flow Period: Oct-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)					
10/1/19	\$1.7300	\$2.0900	\$2.3800	\$1.6000	\$1.8150	\$2.3250	\$1.1000	\$1.7500	\$2.2000	\$1.4767	\$1.8850	\$2.3017
10/2/19	\$1.7300	\$2.0900	\$2.3800	\$1.6400	\$1.8050	\$2.2800	\$1.1000	\$1.7500	\$2.2000	\$1.4900	\$1.8817	\$2.2867
10/3/19	\$1.7300	\$2.0900	\$2.3800	\$1.6000	\$1.8050	\$2.2650	\$1.1000	\$1.7500	\$2.2000	\$1.4767	\$1.8817	\$2.2817
10/4/19	\$1.7300	\$2.0900	\$2.3800	\$1.1800	\$1.7800	\$2.2350	\$1.1000	\$1.7500	\$2.2000	\$1.3367	\$1.8733	\$2.2717
10/5/19	\$1.7300	\$2.0900	\$2.3800	\$0.6300	\$1.6800	\$2.1950	\$1.1000	\$1.7500	\$2.2000	\$1.1533	\$1.8400	\$2.2583
10/6/19	\$1.7300	\$2.0900	\$2.3800	\$0.6300	\$1.6800	\$2.1950	\$1.1000	\$1.7500	\$2.2000	\$1.1533	\$1.8400	\$2.2583
10/7/19	\$1.7300	\$2.0900	\$2.3800	\$0.6300	\$1.6800	\$2.1950	\$1.1000	\$1.7500	\$2.2000	\$1.1533	\$1.8400	\$2.2583
10/8/19	\$1.7300	\$2.0900	\$2.3800	\$1.3450	\$1.7350	\$2.2250	\$1.2500	\$1.6400	\$2.1700	\$1.4417	\$1.8217	\$2.2583
10/9/19	\$1.7300	\$2.0900	\$2.3800	\$1.2400	\$1.6600	\$2.1750	\$1.2500	\$1.6400	\$2.1700	\$1.4067	\$1.7967	\$2.2417
10/10/19	\$1.7300	\$2.0900	\$2.3800	\$1.4750	\$1.7550	\$2.1950	\$1.2500	\$1.6400	\$2.1700	\$1.4850	\$1.8283	\$2.2483
10/11/19	\$1.7300	\$2.0900	\$2.3800	\$1.4800	\$1.7100	\$2.1600	\$1.2500	\$1.6400	\$2.1700	\$1.4867	\$1.8133	\$2.2367
10/12/19	\$1.7300	\$2.0900	\$2.3800	\$1.0600	\$1.5400	\$1.9650	\$1.2500	\$1.6400	\$2.1700	\$1.3467	\$1.7567	\$2.1717
10/13/19	\$1.7300	\$2.0900	\$2.3800	\$1.0600	\$1.5400	\$1.9650	\$1.2500	\$1.6400	\$2.1700	\$1.3467	\$1.7567	\$2.1717
10/14/19	\$1.7300	\$2.0900	\$2.3800	\$1.0600	\$1.5400	\$1.9650	\$1.2500	\$1.6400	\$2.1700	\$1.3467	\$1.7567	\$2.1717
10/15/19	\$1.7300	\$2.0900	\$2.3800	\$1.4750	\$1.6050	\$2.1900	\$1.7100	\$1.7900	\$2.1700	\$1.6383	\$1.8283	\$2.2467
10/16/19	\$1.7300	\$2.0900	\$2.3800	\$1.6700	\$1.7500	\$2.1900	\$1.7100	\$1.7900	\$2.1700	\$1.7033	\$1.8767	\$2.2467
10/17/19	\$1.7300	\$2.0900	\$2.3800	\$1.8800	\$1.9450	\$2.2450	\$1.7100	\$1.7900	\$2.1700	\$1.7733	\$1.9417	\$2.2650
10/18/19	\$1.7300	\$2.0900	\$2.3800	\$1.8900	\$1.9250	\$2.2300	\$1.7100	\$1.7900	\$2.1700	\$1.7767	\$1.9350	\$2.2600
10/19/19	\$1.7300	\$2.0900	\$2.3800	\$1.5900	\$1.6900	\$2.0800	\$1.7100	\$1.7900	\$2.1700	\$1.6767	\$1.8567	\$2.2100
10/20/19	\$1.7300	\$2.0900	\$2.3800	\$1.5900	\$1.6900	\$2.0800	\$1.7100	\$1.7900	\$2.1700	\$1.6767	\$1.8567	\$2.2100
10/21/19	\$1.7300	\$2.0900	\$2.3800	\$1.5900	\$1.6900	\$2.0800	\$1.7100	\$1.7900	\$2.1700	\$1.6767	\$1.8567	\$2.2100
10/22/19	\$1.7300	\$2.0900	\$2.3800	\$1.8250	\$1.8500	\$2.0400	\$1.8600	\$1.9100	\$2.1400	\$1.8050	\$1.9500	\$2.1867
10/23/19	\$1.7300	\$2.0900	\$2.3800	\$1.9450	\$1.9600	\$2.1750	\$1.8600	\$1.9100	\$2.1400	\$1.8450	\$1.9867	\$2.2317
10/24/19	\$1.7300	\$2.0900	\$2.3800	\$1.9200	\$2.1050	\$2.2150	\$1.8600	\$1.9100	\$2.1400	\$1.8367	\$2.0350	\$2.2450
10/25/19	\$1.7300	\$2.0900	\$2.3800	\$1.8500	\$2.0100	\$2.1850	\$1.8600	\$1.9100	\$2.1400	\$1.8133	\$2.0033	\$2.2350
10/26/19	\$1.7300	\$2.0900	\$2.3800	\$1.8550	\$1.8700	\$2.1100	\$1.8600	\$1.9100	\$2.1400	\$1.8150	\$1.9567	\$2.2100
10/27/19	\$1.7300	\$2.0900	\$2.3800	\$1.8550	\$1.8700	\$2.1100	\$1.8600	\$1.9100	\$2.1400	\$1.8150	\$1.9567	\$2.2100
10/28/19	\$1.7300	\$2.0900	\$2.3800	\$1.8550	\$1.8700	\$2.1100	\$1.8600	\$1.9100	\$2.1400	\$1.8150	\$1.9567	\$2.2100
10/29/19	\$1.7300	\$2.0900	\$2.3800	\$2.0900	\$2.1950	\$2.3500	\$2.0700	\$2.2700	\$2.4600	\$1.9633	\$2.1850	\$2.3967
10/30/19	\$1.7300	\$2.0900	\$2.3800	\$2.0500	\$2.2550	\$2.4600	\$2.0700	\$2.2700	\$2.4600	\$1.9500	\$2.2050	\$2.4333
10/31/19	\$1.7300	\$2.0900	\$2.3800	\$2.1300	\$2.4050	\$2.6150	\$2.0700	\$2.2700	\$2.4600	\$1.9767	\$2.2550	\$2.4850
Avg Rate	\$1.7300	\$2.0900	\$2.3800	\$1.5384	\$1.8197	\$2.1873	\$1.5371	\$1.8206	\$2.1981	\$1.6018	\$1.9101	\$2.2551

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	444,200	\$670,005.50	\$711,531.98	\$41,526.48
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$41,526.48

COLUMBIA GAS OF KENTUCKY
SALES Activity Booking Report
Oct-19

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	S0253188	10/1/19	10/1/19	TCO P1042737	WV	7,500	\$1.6950	\$112.50
I	S	OPP	S0253189	10/1/19	10/1/19	TCO P1042737	WV	19,200	\$1.7475	\$1,296.00
I	S	OPP	S0253202	10/1/19	10/1/19	TCO P1042737	WV	500	\$1.8800	\$2.50
I	S	OPP	S0253203	10/1/19	10/1/19	TCO P1042737	WV	5,000	\$1.8800	\$25.00
I	S	OPP	S0253204	10/1/19	10/1/19	TCO P1042737	WV	5,000	\$1.8800	\$25.00
I	S	OPP	S0253222	10/1/19	10/1/19	TCO P1042737	WV	5,000	\$1.9100	\$451.50
I	S	OPP	S0253223	10/1/19	10/1/19	TCO P1042737	WV	17,500	\$1.9250	\$2,100.00
I	S	OPP	S0253248	10/1/19	10/1/19	TCO P1042737	WV	8,100	\$1.8700	\$283.50
I	S	OPP	S0253249	10/1/19	10/1/19	TCO P1042737	WV	5,000	\$1.8750	\$200.00
I	S	OPP	S0253250	10/1/19	10/1/19	TCO P1042737	WV	3,900	\$1.8800	\$175.50
I	S	OPP	S0253256	10/1/19	10/1/19	TCO P1042737	WV	5,000	\$1.9450	\$1,325.00
I	S	OPP	S0253257	10/1/19	10/1/19	TCO P1042737	WV	5,000	\$1.9950	\$1,575.00
I	S	OPP	S0253258	10/1/19	10/1/19	TCO P1042737	WV	100	\$1.9975	\$31.75
I	S	OPP	S0253270	10/1/19	10/1/19	TCO P1042737	WV	2,500	\$1.9975	\$793.75
								89,300		\$8,397.00

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

SALES AMOUNTS

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	EXCISE TAX	TOTAL SALE	MARGIN
E	E	OPP	S0251396	5/1/19		12/1/19	8	6	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$10,850.00	\$10,850.00
E	E	OPP	S0251397	5/1/19		1/1/20	9	6	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$9,644.44	\$9,644.44
E	E	OPP	S0252973	9/1/19		1/1/20	5	2	TCO P1042737	WV	93,000	\$0.2500	\$23,250.00	\$0.00	\$0.00	\$4,650.00	\$4,650.00
E	E	OPP	S0251400	5/1/19		2/1/20	10	6	TCO P1042737	WV	290,000	\$0.2800	\$81,200.00	\$0.00	\$0.00	\$8,120.00	\$8,120.00
E	E	OPP	S0251401	5/1/19		3/1/20	11	6	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$7,890.91	\$7,890.91
											1,313,000		\$364,850.00			\$41,155.35	\$41,155.35

NOVEMBER 2019

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

Flow Period: Nov-19

<u>Ln.</u>	<u>PBR Component Description</u>	Nov-19 ACTUAL	
1	CPS = (TPBR) x ASP	\$23,585.56	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$0.00</u>	50% of remainder
3	Total Company Performance Share	\$23,585.56	
4	TCI (includes Marketed CapR)	\$47,314.50	
5	GCI	(\$9,851.33)	
6	OSSI		
	Sales	\$0.00	
	Exch	\$41,155.35	
7	TPBR = (TCI+GCI+OSSI)	\$78,618.52	
8	AGC (**Total Gas Cost)	\$4,349,750.15	
	Sys Supply Purch	\$2,412,245.50	
	Core	\$74,080.56	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,863,424.09	
			tell
9	2% of AGC	\$78,618.52	
10	PAC = (TPBR) / AGC	1.81%	

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-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	\$4.5793	Demand Vol @ Max Rate	\$93,903.13
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Max Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Max Rate	<u>\$125,550.00</u>
			0				\$1,018,285.93	
			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	FTS-1		5,000	\$1.1250		\$5,625.00
Marketed Cap Release		CGT	FTS-1		18,790	\$1.0500		\$19,729.50
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CKT	FTS		8,000	\$2.7450		\$21,960.00

Total TCI **\$47,314.50**

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

TBTC -

Total Actual Transportation Cost (from Transportation Closing Report)

TATC -

Transportation Cost Incentive

TCI -

CKY GCI CALCULATION

Flow Period: Nov-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)					
11/1/19	\$2.2200	\$2.3400	\$2.5400	\$2.0650	\$2.3600	\$2.5450	\$2.0700	\$2.2700	\$2.4600	\$2.1183	\$2.3233	\$2.5150
11/2/19	\$2.2200	\$2.3400	\$2.5400	\$2.0550	\$2.2650	\$2.4400	\$2.0700	\$2.2700	\$2.4600	\$2.1150	\$2.2917	\$2.4800
11/3/19	\$2.2200	\$2.3400	\$2.5400	\$2.0550	\$2.2650	\$2.4400	\$2.0700	\$2.2700	\$2.4600	\$2.1150	\$2.2917	\$2.4800
11/4/19	\$2.2200	\$2.3400	\$2.5400	\$2.0550	\$2.2650	\$2.4400	\$2.0700	\$2.2700	\$2.4600	\$2.1150	\$2.2917	\$2.4800
11/5/19	\$2.2200	\$2.3400	\$2.5400	\$2.3900	\$2.5000	\$2.6200	\$2.4200	\$2.6400	\$2.7200	\$2.3433	\$2.4933	\$2.6267
11/6/19	\$2.2200	\$2.3400	\$2.5400	\$2.4600	\$2.5800	\$2.7150	\$2.4200	\$2.6400	\$2.7200	\$2.3667	\$2.5200	\$2.6583
11/7/19	\$2.2200	\$2.3400	\$2.5400	\$2.5250	\$2.7250	\$2.7900	\$2.4200	\$2.6400	\$2.7200	\$2.3883	\$2.5683	\$2.6833
11/8/19	\$2.2200	\$2.3400	\$2.5400	\$2.5700	\$2.6850	\$2.7650	\$2.4200	\$2.6400	\$2.7200	\$2.4033	\$2.5550	\$2.6750
11/9/19	\$2.2200	\$2.3400	\$2.5400	\$2.2950	\$2.6000	\$2.6950	\$2.4200	\$2.6400	\$2.7200	\$2.3117	\$2.5267	\$2.6517
11/10/19	\$2.2200	\$2.3400	\$2.5400	\$2.2950	\$2.6000	\$2.6950	\$2.4200	\$2.6400	\$2.7200	\$2.3117	\$2.5267	\$2.6517
11/11/19	\$2.2200	\$2.3400	\$2.5400	\$2.2950	\$2.6000	\$2.6950	\$2.4200	\$2.6400	\$2.7200	\$2.3117	\$2.5267	\$2.6517
11/12/19	\$2.2200	\$2.3400	\$2.5400	\$2.4150	\$2.5700	\$2.6300	\$2.3400	\$2.5000	\$2.5800	\$2.3250	\$2.4700	\$2.5833
11/13/19	\$2.2200	\$2.3400	\$2.5400	\$2.3350	\$2.5400	\$2.6300	\$2.3400	\$2.5000	\$2.5800	\$2.2983	\$2.4600	\$2.5833
11/14/19	\$2.2200	\$2.3400	\$2.5400	\$2.2350	\$2.4350	\$2.5400	\$2.3400	\$2.5000	\$2.5800	\$2.2650	\$2.4250	\$2.5533
11/15/19	\$2.2200	\$2.3400	\$2.5400	\$2.3050	\$2.5200	\$2.6200	\$2.3400	\$2.5000	\$2.5800	\$2.2883	\$2.4533	\$2.5800
11/16/19	\$2.2200	\$2.3400	\$2.5400	\$2.3400	\$2.4950	\$2.6000	\$2.3400	\$2.5000	\$2.5800	\$2.3000	\$2.4450	\$2.5733
11/17/19	\$2.2200	\$2.3400	\$2.5400	\$2.3400	\$2.4950	\$2.6000	\$2.3400	\$2.5000	\$2.5800	\$2.3000	\$2.4450	\$2.5733
11/18/19	\$2.2200	\$2.3400	\$2.5400	\$2.3400	\$2.4950	\$2.6000	\$2.3400	\$2.5000	\$2.5800	\$2.3000	\$2.4450	\$2.5733
11/19/19	\$2.2200	\$2.3400	\$2.5400	\$2.2800	\$2.4150	\$2.5300	\$2.2500	\$2.3900	\$2.4600	\$2.2500	\$2.3817	\$2.5100
11/20/19	\$2.2200	\$2.3400	\$2.5400	\$2.2250	\$2.3450	\$2.4300	\$2.2500	\$2.3900	\$2.4600	\$2.2317	\$2.3583	\$2.4767
11/21/19	\$2.2200	\$2.3400	\$2.5400	\$2.2050	\$2.3400	\$2.4200	\$2.2500	\$2.3900	\$2.4600	\$2.2250	\$2.3567	\$2.4733
11/22/19	\$2.2200	\$2.3400	\$2.5400	\$2.2000	\$2.3800	\$2.4150	\$2.2500	\$2.3900	\$2.4600	\$2.2233	\$2.3700	\$2.4717
11/23/19	\$2.2200	\$2.3400	\$2.5400	\$2.2650	\$2.4300	\$2.5000	\$2.2500	\$2.3900	\$2.4600	\$2.2450	\$2.3867	\$2.5000
11/24/19	\$2.2200	\$2.3400	\$2.5400	\$2.2650	\$2.4300	\$2.5000	\$2.2500	\$2.3900	\$2.4600	\$2.2450	\$2.3867	\$2.5000
11/25/19	\$2.2200	\$2.3400	\$2.5400	\$2.2650	\$2.4300	\$2.5000	\$2.2500	\$2.3900	\$2.4600	\$2.2450	\$2.3867	\$2.5000
11/26/19	\$2.2200	\$2.3400	\$2.5400	\$2.1450	\$2.3200	\$2.3950	\$2.0600	\$2.2100	\$2.2800	\$2.1417	\$2.2900	\$2.4050
11/27/19	\$2.2200	\$2.3400	\$2.5400	\$2.0700	\$2.2200	\$2.2850	\$2.0600	\$2.2100	\$2.2800	\$2.1167	\$2.2567	\$2.3683
11/28/19	\$2.2200	\$2.3400	\$2.5400	\$2.0700	\$2.2200	\$2.2850	\$2.0600	\$2.2100	\$2.2800	\$2.1167	\$2.2567	\$2.3683
11/29/19	\$2.2200	\$2.3400	\$2.5400	\$2.0700	\$2.2200	\$2.2850	\$2.0600	\$2.2100	\$2.2800	\$2.1167	\$2.2567	\$2.3683
11/30/19	\$2.2200	\$2.3400	\$2.5400	\$2.0700	\$2.2200	\$2.2850	\$2.0600	\$2.2100	\$2.2800	\$2.1167	\$2.2567	\$2.3683
Avg Rate	\$2.2200	\$2.3400	\$2.5400	\$2.2500	\$2.4322	\$2.5297	\$2.2550	\$2.4280	\$2.5187	\$2.2417	\$2.4001	\$2.5294

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	1,071,700	\$2,412,245.50	\$2,402,394.17	(\$9,851.33)
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					(\$9,851.33)

NO SALES ACTIVITY FOR NOVEMBER 2019

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

SALES AMOUNTS

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	EXCISE TAX	TOTAL SALE	MARGIN
E	E	OPP	S0251396	5/1/19		12/1/19	8	7	TCO P1042737	WV	310000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$10,850.00	\$10,850.00
E	E	OPP	S0251397	5/1/19		1/1/20	9	7	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$9,644.44	\$9,644.44
E	E	OPP	S0252973	9/1/19		1/1/20	5	3	TCO P1042737	WV	93,000	\$0.2500	\$23,250.00	\$0.00	\$0.00	\$4,650.00	\$4,650.00
E	E	OPP	S0251400	5/1/19		2/1/20	10	7	TCO P1042737	WV	290,000	\$0.2800	\$81,200.00	\$0.00	\$0.00	\$8,120.00	\$8,120.00
E	E	OPP	S0251401	5/1/19		3/1/20	11	7	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$7,890.91	\$7,890.91
											1,313,000		\$364,850.00			\$41,155.35	\$41,155.35

DECEMBER 2019

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

Flow Period: Dec-19

<u>Ln.</u>	<u>PBR Component Description</u>	Dec-19	
		ACTUAL	
1	CPS = (TPBR) x ASP	\$20,802.58	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$23,236.56</u>	50% of remainder
3	Total Company Performance Share	\$44,039.15	
4	TCI (includes Marketed CapR)	\$46,964.60	
5	GCI	\$27,695.12	
6	OSSI		
	Sales	\$0.00	
	Exch	\$41,155.35	
7	TPBR = (TCI+GCI+OSSI)	\$115,815.07	
8	AGC (**Total Gas Cost)	\$3,467,097.46	
	Sys Supply Purch	\$1,472,158.75	
	Core	\$103,649.86	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,891,288.85	
			tell
9	2% of AGC	\$69,341.95	
10	PAC = (TPBR) / AGC	3.34%	

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-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	352234	FTA	16,000	\$4.5806	Demand Vol @ Max Rate	\$73,289.60
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Max Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Max Rate	<u>\$125,550.00</u>
			0					\$997,672.40
			0			<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	352234	FTA	16,000	\$4.5806	Demand Vol @ Disc Rate	\$73,289.60
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$125,550.00
LESS: Marketed Cap Release		TCO	SST		0	\$0.0000		<u>\$0.00</u>
			0					\$997,672.40
Marketed Cap Release		CGT	FTS-1		15,000	\$1.0850		\$16,275.00
Marketed Cap Release		CGT	FTS-1		8,800	\$0.9920		\$8,729.60
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CKT	FTS		8,000	\$2.7450		\$21,960.00
Total TCI								\$46,964.60

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

TBTC -

Total Actual Transportation Cost (from Transportation Closing Report)

TATC -

Transportation Cost Incentive

TCI -

CKY GCI CALCULATION

Flow Period: Dec-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)					
12/1/19	\$2.1300	\$2.2900	\$2.4100	\$1.9750	\$2.1950	\$2.2700	\$2.0600	\$2.2100	\$2.2800	\$2.0550	\$2.2317	\$2.3200
12/2/19	\$2.1300	\$2.2900	\$2.4100	\$1.9750	\$2.1950	\$2.2700	\$2.0600	\$2.2100	\$2.2800	\$2.0550	\$2.2317	\$2.3200
12/3/19	\$2.1300	\$2.2900	\$2.4100	\$1.7950	\$2.0650	\$2.1850	\$1.8900	\$2.1200	\$2.1500	\$1.9383	\$2.1583	\$2.2483
12/4/19	\$2.1300	\$2.2900	\$2.4100	\$1.9300	\$2.2100	\$2.2700	\$1.8900	\$2.1200	\$2.1500	\$1.9833	\$2.2067	\$2.2767
12/5/19	\$2.1300	\$2.2900	\$2.4100	\$1.9150	\$2.1200	\$2.2400	\$1.8900	\$2.1200	\$2.1500	\$1.9783	\$2.1767	\$2.2667
12/6/19	\$2.1300	\$2.2900	\$2.4100	\$1.9550	\$2.1350	\$2.1950	\$1.8900	\$2.1200	\$2.1500	\$1.9917	\$2.1817	\$2.2517
12/7/19	\$2.1300	\$2.2900	\$2.4100	\$1.8850	\$2.0650	\$2.1150	\$1.8900	\$2.1200	\$2.1500	\$1.9683	\$2.1583	\$2.2250
12/8/19	\$2.1300	\$2.2900	\$2.4100	\$1.8850	\$2.0650	\$2.1150	\$1.8900	\$2.1200	\$2.1500	\$1.9683	\$2.1583	\$2.2250
12/9/19	\$2.1300	\$2.2900	\$2.4100	\$1.8850	\$2.0650	\$2.1150	\$1.8900	\$2.1200	\$2.1500	\$1.9683	\$2.1583	\$2.2250
12/10/19	\$2.1300	\$2.2900	\$2.4100	\$1.8450	\$2.0050	\$2.0650	\$1.9400	\$2.0700	\$2.1400	\$1.9717	\$2.1217	\$2.2050
12/11/19	\$2.1300	\$2.2900	\$2.4100	\$1.9300	\$2.0800	\$2.1700	\$1.9400	\$2.0700	\$2.1400	\$2.0000	\$2.1467	\$2.2400
12/12/19	\$2.1300	\$2.2900	\$2.4100	\$1.9250	\$2.1250	\$2.2100	\$1.9400	\$2.0700	\$2.1400	\$1.9983	\$2.1617	\$2.2533
12/13/19	\$2.1300	\$2.2900	\$2.4100	\$1.9300	\$2.0700	\$2.1900	\$1.9400	\$2.0700	\$2.1400	\$2.0000	\$2.1433	\$2.2467
12/14/19	\$2.1300	\$2.2900	\$2.4100	\$1.9750	\$2.0700	\$2.1650	\$1.9400	\$2.0700	\$2.1400	\$2.0150	\$2.1433	\$2.2383
12/15/19	\$2.1300	\$2.2900	\$2.4100	\$1.9750	\$2.0700	\$2.1650	\$1.9400	\$2.0700	\$2.1400	\$2.0150	\$2.1433	\$2.2383
12/16/19	\$2.1300	\$2.2900	\$2.4100	\$1.9750	\$2.0700	\$2.1650	\$1.9400	\$2.0700	\$2.1400	\$2.0150	\$2.1433	\$2.2383
12/17/19	\$2.1300	\$2.2900	\$2.4100	\$2.0550	\$2.1600	\$2.2800	\$2.0100	\$2.1100	\$2.2200	\$2.0650	\$2.1867	\$2.3033
12/18/19	\$2.1300	\$2.2900	\$2.4100	\$2.0950	\$2.1700	\$2.2700	\$2.0100	\$2.1100	\$2.2200	\$2.0783	\$2.1900	\$2.3000
12/19/19	\$2.1300	\$2.2900	\$2.4100	\$1.9800	\$2.0900	\$2.1700	\$2.0100	\$2.1100	\$2.2200	\$2.0400	\$2.1633	\$2.2667
12/20/19	\$2.1300	\$2.2900	\$2.4100	\$1.9450	\$2.0700	\$2.1550	\$2.0100	\$2.1100	\$2.2200	\$2.0283	\$2.1567	\$2.2617
12/21/19	\$2.1300	\$2.2900	\$2.4100	\$2.0000	\$2.0900	\$2.2250	\$2.0100	\$2.1100	\$2.2200	\$2.0467	\$2.1633	\$2.2850
12/22/19	\$2.1300	\$2.2900	\$2.4100	\$2.0000	\$2.0900	\$2.2250	\$2.0100	\$2.1100	\$2.2200	\$2.0467	\$2.1633	\$2.2850
12/23/19	\$2.1300	\$2.2900	\$2.4100	\$2.0000	\$2.0900	\$2.2250	\$2.0100	\$2.1100	\$2.2200	\$2.0467	\$2.1633	\$2.2850
12/24/19	\$2.1300	\$2.2900	\$2.4100	\$1.9100	\$1.9350	\$2.0800	\$1.7200	\$1.8000	\$1.8600	\$1.9200	\$2.0083	\$2.1167
12/25/19	\$2.1300	\$2.2900	\$2.4100	\$1.8350	\$1.8500	\$2.0200	\$1.7200	\$1.8000	\$1.8600	\$1.8950	\$1.9800	\$2.0967
12/26/19	\$2.1300	\$2.2900	\$2.4100	\$1.8350	\$1.8500	\$2.0200	\$1.7200	\$1.8000	\$1.8600	\$1.8950	\$1.9800	\$2.0967
12/27/19	\$2.1300	\$2.2900	\$2.4100	\$1.8350	\$1.8800	\$1.9850	\$1.7200	\$1.8000	\$1.8600	\$1.8950	\$1.9900	\$2.0850
12/28/19	\$2.1300	\$2.2900	\$2.4100	\$1.6500	\$1.6750	\$1.7350	\$1.7200	\$1.8000	\$1.8600	\$1.8333	\$1.9217	\$2.0017
12/29/19	\$2.1300	\$2.2900	\$2.4100	\$1.6500	\$1.6750	\$1.7350	\$1.7200	\$1.8000	\$1.8600	\$1.8333	\$1.9217	\$2.0017
12/30/19	\$2.1300	\$2.2900	\$2.4100	\$1.6500	\$1.6750	\$1.7350	\$1.7200	\$1.8000	\$1.8600	\$1.8333	\$1.9217	\$2.0017
12/31/19	\$2.1300	\$2.2900	\$2.4100	\$1.7800	\$1.8800	\$2.0200	\$1.7800	\$1.8800	\$1.9600	\$1.8967	\$2.0167	\$2.1300
Avg Rate	\$2.1300	\$2.2900	\$2.4100	\$1.9024	\$2.0253	\$2.1221	\$1.8974	\$2.0323	\$2.1003	\$1.9766	\$2.1159	\$2.2108

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	758,800	\$1,472,158.75	\$1,499,853.87	\$27,695.12
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$27,695.12

NO SALES ACTIVITY FOR DECEMBER 2019

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

SALES AMOUNTS

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	EXCISE TAX	TOTAL SALE	MARGIN
E	E	OPP	S0251396	5/1/19	12/1/19	12/1/19	8	8	TCO P1042737	WV	310000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$10,850.00	\$10,850.00
E	E	OPP	S0251397	5/1/19		1/1/20	9	8	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$9,644.44	\$9,644.44
E	E	OPP	S0252973	9/1/19		1/1/20	5	4	TCO P1042737	WV	93,000	\$0.2500	\$23,250.00	\$0.00	\$0.00	\$4,650.00	\$4,650.00
E	E	OPP	S0251400	5/1/19		2/1/20	10	8	TCO P1042737	WV	290,000	\$0.2800	\$81,200.00	\$0.00	\$0.00	\$8,120.00	\$8,120.00
E	E	OPP	S0251401	5/1/19		3/1/20	11	8	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$7,890.91	\$7,890.91
											1,313,000		\$364,850.00			\$41,155.35	\$41,155.35

JANUARY 2020

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

Flow Period: Jan-20

<u>Ln.</u>	<u>PBR Component Description</u>	Jan-20 ACTUAL	
1	CPS = (TPBR) x ASP	\$12,422.54	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$24,666.80</u>	50% of remainder
3	Total Company Performance Share	\$37,089.34	
4	TCI (includes Marketed CapR)	\$47,854.30	
5	GCI	\$4,756.91	
6	OSSI		
	Sales	\$2,588.50	
	Exch	\$35,542.35	
7	TPBR = (TCI+GCI+OSSI)	\$90,742.06	
8	AGC (**Total Gas Cost)	\$2,070,423.41	
	Sys Supply Purch	\$59,340.00	
	Core	\$98,327.88	(act)
	Misc Adjustment	\$0.00	
	Transportation	\$1,912,755.53	
			tell
9	2% of AGC	\$41,408.47	
10	PAC = (TPBR) / AGC	4.38%	

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-20

		<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	352234	FTA	16,000	\$4.5806	Demand Vol @ Max Rate	\$73,289.60
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Max Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Max Rate	<u>\$125,550.00</u>
			0					\$997,672.40
			0			<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	352234	FTA	16,000	\$4.5806	Demand Vol @ Disc Rate	\$73,289.60
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$125,550.00
LESS: Marketed Cap Release		TCO	SST		0	\$0.0000		<u>\$0.00</u>
			0					\$997,672.40
Marketed Cap Release		CGT	FTS-1		15,000	\$1.0850		\$21,554.30
Marketed Cap Release		CGT	FTS-1		8,800	\$0.9920		\$4,340.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CKT	FTS		8,000	\$2.7450		\$21,960.00
Total TCI								\$47,854.30

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

TBTC -

Total Actual Transportation Cost (from Transportation Closing Report)

TATC -

Transportation Cost Incentive

TCI -

CKY GCI CALCULATION

Flow Period: Jan-20

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)					
1/1/20	\$1.8200	\$1.9800	\$2.0800	\$1.8100	\$1.9100	\$1.9700	\$1.7800	\$1.8800	\$1.9600	\$1.8033	\$1.9233	\$2.0033
1/2/20	\$1.8200	\$1.9800	\$2.0800	\$1.8100	\$1.9100	\$1.9700	\$1.7800	\$1.8800	\$1.9600	\$1.8033	\$1.9233	\$2.0033
1/3/20	\$1.8200	\$1.9800	\$2.0800	\$1.7300	\$1.8300	\$1.9050	\$1.7800	\$1.8800	\$1.9600	\$1.7767	\$1.8967	\$1.9817
1/4/20	\$1.8200	\$1.9800	\$2.0800	\$1.7850	\$1.8900	\$1.9900	\$1.7800	\$1.8800	\$1.9600	\$1.7950	\$1.9167	\$2.0100
1/5/20	\$1.8200	\$1.9800	\$2.0800	\$1.7850	\$1.8900	\$1.9900	\$1.7800	\$1.8800	\$1.9600	\$1.7950	\$1.9167	\$2.0100
1/6/20	\$1.8200	\$1.9800	\$2.0800	\$1.7850	\$1.8900	\$1.9900	\$1.7800	\$1.8800	\$1.9600	\$1.7950	\$1.9167	\$2.0100
1/7/20	\$1.8200	\$1.9800	\$2.0800	\$1.8650	\$1.9600	\$2.0650	\$1.8300	\$1.9300	\$1.9900	\$1.8383	\$1.9567	\$2.0450
1/8/20	\$1.8200	\$1.9800	\$2.0800	\$1.8700	\$1.9450	\$2.0350	\$1.8300	\$1.9300	\$1.9900	\$1.8400	\$1.9517	\$2.0350
1/9/20	\$1.8200	\$1.9800	\$2.0800	\$1.8350	\$1.9250	\$2.0000	\$1.8300	\$1.9300	\$1.9900	\$1.8283	\$1.9450	\$2.0233
1/10/20	\$1.8200	\$1.9800	\$2.0800	\$1.7600	\$1.8450	\$1.8900	\$1.8300	\$1.9300	\$1.9900	\$1.8033	\$1.9183	\$1.9867
1/11/20	\$1.8200	\$1.9800	\$2.0800	\$1.7500	\$1.9300	\$2.0000	\$1.8300	\$1.9300	\$1.9900	\$1.8000	\$1.9467	\$2.0233
1/12/20	\$1.8200	\$1.9800	\$2.0800	\$1.7500	\$1.9300	\$2.0000	\$1.8300	\$1.9300	\$1.9900	\$1.8000	\$1.9467	\$2.0233
1/13/20	\$1.8200	\$1.9800	\$2.0800	\$1.7500	\$1.9300	\$2.0000	\$1.8300	\$1.9300	\$1.9900	\$1.8000	\$1.9467	\$2.0233
1/14/20	\$1.8200	\$1.9800	\$2.0800	\$1.8350	\$1.9000	\$1.9800	\$1.8400	\$1.9100	\$1.9900	\$1.8317	\$1.9300	\$2.0167
1/15/20	\$1.8200	\$1.9800	\$2.0800	\$1.9150	\$1.9600	\$2.0350	\$1.8400	\$1.9100	\$1.9900	\$1.8583	\$1.9500	\$2.0350
1/16/20	\$1.8200	\$1.9800	\$2.0800	\$1.8250	\$1.9200	\$1.9850	\$1.8400	\$1.9100	\$1.9900	\$1.8283	\$1.9367	\$2.0183
1/17/20	\$1.8200	\$1.9800	\$2.0800	\$1.8850	\$1.9500	\$2.0300	\$1.8400	\$1.9100	\$1.9900	\$1.8483	\$1.9467	\$2.0333
1/18/20	\$1.8200	\$1.9800	\$2.0800	\$1.8050	\$1.8950	\$1.9600	\$1.8400	\$1.9100	\$1.9900	\$1.8217	\$1.9283	\$2.0100
1/19/20	\$1.8200	\$1.9800	\$2.0800	\$1.8050	\$1.8950	\$1.9600	\$1.8400	\$1.9100	\$1.9900	\$1.8217	\$1.9283	\$2.0100
1/20/20	\$1.8200	\$1.9800	\$2.0800	\$1.8050	\$1.8950	\$1.9600	\$1.8400	\$1.9100	\$1.9900	\$1.8217	\$1.9283	\$2.0100
1/21/20	\$1.8200	\$1.9800	\$2.0800	\$1.8050	\$1.8950	\$1.9600	\$1.6500	\$1.8300	\$1.8700	\$1.7583	\$1.9017	\$1.9700
1/22/20	\$1.8200	\$1.9800	\$2.0800	\$1.6700	\$1.8000	\$1.8650	\$1.6500	\$1.8300	\$1.8700	\$1.7133	\$1.8700	\$1.9383
1/23/20	\$1.8200	\$1.9800	\$2.0800	\$1.5600	\$1.8200	\$1.8750	\$1.6500	\$1.8300	\$1.8700	\$1.6767	\$1.8767	\$1.9417
1/24/20	\$1.8200	\$1.9800	\$2.0800	\$1.6100	\$1.8500	\$1.8850	\$1.6500	\$1.8300	\$1.8700	\$1.6933	\$1.8867	\$1.9450
1/25/20	\$1.8200	\$1.9800	\$2.0800	\$1.6150	\$1.7950	\$1.8450	\$1.6500	\$1.8300	\$1.8700	\$1.6950	\$1.8683	\$1.9317
1/26/20	\$1.8200	\$1.9800	\$2.0800	\$1.6150	\$1.7950	\$1.8450	\$1.6500	\$1.8300	\$1.8700	\$1.6950	\$1.8683	\$1.9317
1/27/20	\$1.8200	\$1.9800	\$2.0800	\$1.6150	\$1.7950	\$1.8450	\$1.6500	\$1.8300	\$1.8700	\$1.6950	\$1.8683	\$1.9317
1/28/20	\$1.8200	\$1.9800	\$2.0800	\$1.6650	\$1.8300	\$1.8700	\$1.6200	\$1.7700	\$1.8000	\$1.7017	\$1.8600	\$1.9167
1/29/20	\$1.8200	\$1.9800	\$2.0800	\$1.6700	\$1.8400	\$1.8800	\$1.6200	\$1.7700	\$1.8000	\$1.7033	\$1.8633	\$1.9200
1/30/20	\$1.8200	\$1.9800	\$2.0800	\$1.6700	\$1.8050	\$1.8500	\$1.6200	\$1.7700	\$1.8000	\$1.7033	\$1.8517	\$1.9100
1/31/20	\$1.8200	\$1.9800	\$2.0800	\$1.6500	\$1.7950	\$1.8300	\$1.6200	\$1.7700	\$1.8000	\$1.6967	\$1.8483	\$1.9033
Avg Rate	\$1.8200	\$1.9800	\$2.0800	\$1.7518	\$1.8781	\$1.9440	\$1.7548	\$1.8726	\$1.9326	\$1.7755	\$1.9102	\$1.9855

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	36,100	\$59,340.00	\$64,096.91	\$4,756.91
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$4,756.91

COLUMBIA GAS OF KENTUCKY
SALES Activity Booking Report
Jan-20

DATA * STATUS	SALES TYPE **	SALES CATEGORY	SALES ID	RECEIPT	DELIVERY	DELIVERY POINT	STATE OF SALE	INVOICED SALES AMOUNTS			ACTUAL AFTER-TAX MARGIN
				FLOW DATE	FLOW DATE			CDC	VOLUMES INVOICED	SALES RATE	
								Dth	\$/Dth	\$	
I	S	OPP	S0254577	1/1/20	1/1/20	TCO P1042737	WV	30,000	\$1.7200	\$51,600.00	\$1,434.00
I	S	OPP	S0254244	1/1/20	1/1/20	TCO P1042737	WV	5,000	\$1.8700	\$9,350.00	\$650.00
I	S	OPP	S0254576	1/1/20	1/1/20	TCO P1042737	WV	10,000	\$1.7200	\$17,200.00	\$504.50
								45,000		\$78,150.00	\$2,588.50

COLUMBIA GAS OF KENTUCKY
 Off-System EXCHANGE Activity Report
 Jan-20

SALES AMOUNTS

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	INVOICE MONTH	# OF	# OF	DELIVERY POINT	STATE	VOLUMES Dth	SALES	TOTAL	TRANSPORT COST	EXCISE TAX	TOTAL	MARGIN
				FLOW DATE	FLOW DATE		MONTHS IN TERM	MONTHS EXPIRED		OF		OF	OF			RATE \$/Dth	
E	E	OPP	S0251397	5/1/19	1/1/20	1/1/20	9	9	TCO P1042737	WV	310000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$9,644.44	\$9,644.44
E	E	OPP	S0252973	9/1/19	1/1/20	1/1/20	5	5	TCO P1042737	WV	93,000	\$0.2500	\$23,250.00	\$0.00	\$0.00	\$4,650.00	\$4,650.00
E	E	OPP	S0251400	5/1/19		2/1/20	10	9	TCO P1042737	WV	290,000	\$0.2800	\$81,200.00	\$0.00	\$0.00	\$8,120.00	\$8,120.00
E	E	OPP	S0254564		1/1/20	2/1/20	2	1	TCO P1042737	WV	72,500	\$0.1000	\$7,250.00	\$0.00	\$0.00	\$3,625.00	\$3,625.00
E	E	OPP	S0251401	5/1/19		3/1/20	11	9	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$0.00	\$7,890.91	\$7,890.91
E	E	OPP	S0254426		1/1/20	5/1/20	5	1	TCO P1042737	WV	62,000	\$0.0200	\$1,240.00	\$0.00	\$0.00	\$248.00	\$248.00
E	E	OPP	S0254441		1/1/20	5/1/20	5	1	TCO P1042737	WV	31,000	\$0.0200	\$620.00	\$0.00	\$0.00	\$124.00	\$124.00
E	E	OPP	S0254444		1/1/20	5/1/20	5	1	TCO P1042737	WV	248,000	\$0.0250	\$6,200.00	\$0.00	\$0.00	\$1,240.00	\$1,240.00
											1,416,500		\$293,360.00			\$35,542.35	\$35,542.35

FEBRUARY 2020

Columbia Gas of Kentucky, Inc.

Monthly Performance Based Rate Calculation

Flow Period: Feb-20

<u>Ln.</u>	<u>PBR Component Description</u>	Feb-20	
		ESTIMATE	
1	CPS = (TPBR) x ASP	\$12,266.19	30% of first 2% of AGC
2	CPS = (TPBR) x ASP	<u>\$13,675.28</u>	50% of remainder
3	Total Company Performance Share	\$25,941.47	
4	TCI (includes Marketed CapR)	\$46,740.51	
5	GCI	\$249.43	
6	OSSI	\$0.00	
	Sales		
	Exch	\$21,247.91	(1)
7	TPBR = (TCI+GCI+OSSI)	\$68,237.85	
8	AGC (**Total Gas Cost)	\$2,044,364.21	
	Sys Supply Purch	\$32,000.00	
	Core	\$84,918.40	(est)
	Misc Adjustment	\$0.00	
	Transportation	\$1,927,445.81	
9	2% of AGC	\$40,887.28	
10	PAC = (TPBR) / AGC	3.34%	

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-20

		<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	352234	FTA	16,000	\$4.5806	Demand Vol @ Max Rate	\$73,289.60
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Max Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Max Rate	<u>\$125,550.00</u>
			0				\$997,672.40	
			0			<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	352234	FTA	16,000	\$4.5806	Demand Vol @ Disc Rate	\$73,289.60
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$125,550.00
LESS: Marketed Cap Release		TCO	SST	0	\$0.0000		<u>\$0.00</u>	
			0				\$997,672.40	
Marketed Cap Release		CGT	FTS-1		17,765	\$1.0150		\$18,031.48
Marketed Cap Release		CGT	FTS-1		3,000	\$1.1890		\$3,567.00
Marketed Cap Release		CGT	FTS-1		3,135	\$1.0150		\$3,182.03
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CKT	FTS		8,000	\$2.7450		\$21,960.00
							Total TCI	\$46,740.51

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

TBTC -

Total Actual Transportation Cost (from Transportation Closing Report)

TATC -

Transportation Cost Incentive

TCI -

CKY GCI CALCULATION

Flow Period: Feb-20

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)					
2/1/20	\$1.5300	\$1.7300	\$1.8000	\$1.5800	\$1.7150	\$1.7600	\$1.6200	\$1.7700	\$1.8000	\$1.5767	\$1.7383	\$1.7867
2/2/20	\$1.5300	\$1.7300	\$1.8000	\$1.5800	\$1.7150	\$1.7600	\$1.6200	\$1.7700	\$1.8000	\$1.5767	\$1.7383	\$1.7867
2/3/20	\$1.5300	\$1.7300	\$1.8000	\$1.5800	\$1.7150	\$1.7600	\$1.6200	\$1.7700	\$1.8000	\$1.5767	\$1.7383	\$1.7867
2/4/20	\$1.5300	\$1.7300	\$1.8000	\$1.6000	\$1.7300	\$1.7500	\$1.6400	\$1.7600	\$1.7900	\$1.5900	\$1.7400	\$1.7800
2/5/20	\$1.5300	\$1.7300	\$1.8000	\$1.6150	\$1.7350	\$1.7600	\$1.6400	\$1.7600	\$1.7900	\$1.5950	\$1.7417	\$1.7833
2/6/20	\$1.5300	\$1.7300	\$1.8000	\$1.6100	\$1.7550	\$1.7800	\$1.6400	\$1.7600	\$1.7900	\$1.5933	\$1.7483	\$1.7900
2/7/20	\$1.5300	\$1.7300	\$1.8000	\$1.6350	\$1.7750	\$1.7950	\$1.6400	\$1.7600	\$1.7900	\$1.6017	\$1.7550	\$1.7950
2/8/20	\$1.5300	\$1.7300	\$1.8000	\$1.6600	\$1.7850	\$1.8150	\$1.6400	\$1.7600	\$1.7900	\$1.6100	\$1.7583	\$1.8017
2/9/20	\$1.5300	\$1.7300	\$1.8000	\$1.6600	\$1.7850	\$1.8150	\$1.6400	\$1.7600	\$1.7900	\$1.6100	\$1.7583	\$1.8017
2/10/20	\$1.5300	\$1.7300	\$1.8000	\$1.6600	\$1.7850	\$1.8150	\$1.6400	\$1.7600	\$1.7900	\$1.6100	\$1.7583	\$1.8017
2/11/20	\$1.5300	\$1.7300	\$1.8000	\$1.6100	\$1.6900	\$1.7250	\$1.6400	\$1.7200	\$1.7700	\$1.5933	\$1.7133	\$1.7650
2/12/20	\$1.5300	\$1.7300	\$1.8000	\$1.6200	\$1.6850	\$1.7250	\$1.6400	\$1.7200	\$1.7700	\$1.5967	\$1.7117	\$1.7650
2/13/20	\$1.5300	\$1.7300	\$1.8000	\$1.6400	\$1.7750	\$1.8050	\$1.6400	\$1.7200	\$1.7700	\$1.6033	\$1.7417	\$1.7917
2/14/20	\$1.5300	\$1.7300	\$1.8000	\$1.7200	\$1.7800	\$1.8500	\$1.6400	\$1.7200	\$1.7700	\$1.6300	\$1.7433	\$1.8067
2/15/20	\$1.5300	\$1.7300	\$1.8000	\$1.6150	\$1.7200	\$1.7750	\$1.6400	\$1.7200	\$1.7700	\$1.5950	\$1.7233	\$1.7817
2/16/20	\$1.5300	\$1.7300	\$1.8000	\$1.6150	\$1.7200	\$1.7750	\$1.6400	\$1.7200	\$1.7700	\$1.5950	\$1.7233	\$1.7817
2/17/20	\$1.5300	\$1.7300	\$1.8000	\$1.6150	\$1.7200	\$1.7750	\$1.6400	\$1.7200	\$1.7700	\$1.5950	\$1.7233	\$1.7817
2/18/20	\$1.5300	\$1.7300	\$1.8000	\$1.6150	\$1.7200	\$1.7750	\$1.7300	\$1.8200	\$1.8700	\$1.6250	\$1.7567	\$1.8150
2/19/20	\$1.5300	\$1.7300	\$1.8000	\$1.7750	\$1.8650	\$1.9150	\$1.7300	\$1.8200	\$1.8700	\$1.6783	\$1.8050	\$1.8617
2/20/20	\$1.5300	\$1.7300	\$1.8000	\$1.8200	\$1.9000	\$1.9550	\$1.7300	\$1.8200	\$1.8700	\$1.6933	\$1.8167	\$1.8750
2/21/20	\$1.5300	\$1.7300	\$1.8000	\$1.8150	\$1.8450	\$1.9150	\$1.7300	\$1.8200	\$1.8700	\$1.6917	\$1.7983	\$1.8617
2/22/20	\$1.5300	\$1.7300	\$1.8000	\$1.7000	\$1.8100	\$1.8500	\$1.7300	\$1.8200	\$1.8700	\$1.6533	\$1.7867	\$1.8400
2/23/20	\$1.5300	\$1.7300	\$1.8000	\$1.7000	\$1.8100	\$1.8500	\$1.7300	\$1.8200	\$1.8700	\$1.6533	\$1.7867	\$1.8400
2/24/20	\$1.5300	\$1.7300	\$1.8000	\$1.7000	\$1.8100	\$1.8500	\$1.7300	\$1.8200	\$1.8700	\$1.6533	\$1.7867	\$1.8400
2/25/20	\$1.5300	\$1.7300	\$1.8000	\$1.6450	\$1.7550	\$1.8000	\$1.6100	\$1.6700	\$1.7500	\$1.5950	\$1.7183	\$1.7833
2/26/20	\$1.5300	\$1.7300	\$1.8000	\$1.6350	\$1.7600	\$1.8100	\$1.6100	\$1.6700	\$1.7500	\$1.5917	\$1.7200	\$1.7867
2/27/20	\$1.5300	\$1.7300	\$1.8000	\$1.7050	\$1.7750	\$1.8450	\$1.6100	\$1.6700	\$1.7500	\$1.6150	\$1.7250	\$1.7983
2/28/20	\$1.5300	\$1.7300	\$1.8000	\$1.6050	\$1.6750	\$1.7200	\$1.6100	\$1.6700	\$1.7500	\$1.5817	\$1.6917	\$1.7567
2/29/20	\$1.5300	\$1.7300	\$1.8000	\$1.6050	\$1.6750	\$1.7200	\$1.6100	\$1.6700	\$1.7500	\$1.5817	\$1.6917	\$1.7567
Avg Rate	\$1.5300	\$1.7300	\$1.8000	\$1.6529	\$1.7581	\$1.8016	\$1.6545	\$1.7503	\$1.7986	\$1.6125	\$1.7461	\$1.8001

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	20,000	\$32,000.00	\$32,249.43	\$249.43
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	0	\$0.00	\$0.00	\$0.00
					\$249.43

NO SALES ACTIVITY FOR FEBRUARY 2020

COLUMBIA GAS OF KENTUCKY

Off-System EXCHANGE Activity Report

Feb-20 (ESTIMATES)

ESTIMATED SALES AMOUNTS

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 VOLUMES Dth	SALES RATE \$/Dth	TOTAL SALE \$	COST	SALE	MARGIN
E	E	OPP	S0251400	5/1/19	2/1/20	2/1/20	10	10	TCO P1042737	WV	290000	\$0.2800	\$81,200.00	\$0.00	\$8,120.00	\$8,120.00
E	E	OPP	S0254564	2/1/20	1/1/20	2/1/20	2	2	TCO P1042737	WV	72,500	\$0.1000	\$7,250.00	\$0.00	\$3,625.00	\$3,625.00
E	E	OPP	S0251401	5/1/19		3/1/20	11	10	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$7,890.91	\$7,890.91
E	E	OPP	S0254426		1/1/20	5/1/20	5	2	TCO P1042737	WV	62,000	\$0.0200	\$1,240.00	\$0.00	\$248.00	\$248.00
E	E	OPP	S0254441		1/1/20	5/1/20	5	2	TCO P1042737	WV	31,000	\$0.0200	\$620.00	\$0.00	\$124.00	\$124.00
E	E	OPP	S0254444		1/1/20	5/1/20	5	2	TCO P1042737	WV	248,000	\$0.0250	\$6,200.00	\$0.00	\$1,240.00	\$1,240.00
											1,013,500		\$183,310.00		\$21,247.91	\$21,247.91

MARCH 2020

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

Flow Period: Mar-20

<u>Ln.</u>	<u>PBR Component Description</u>	Mar-20	ESTIMATE	
1	CPS = (TPBR) x ASP		\$13,887.21	30% of first 2% of AGC
2	CPS = (TPBR) x ASP		<u>\$14,536.78</u>	50% of remainder
3	Total Company Performance Share		\$28,423.99	
4	TCI (includes Marketed CapR)		\$47,720.07	
5	GCI		\$18,053.28	
6	OSSI	Sales	\$88.00	
		Exch	\$9,502.91	(1)
7	TPBR = (TCI+GCI+OSSI)		\$75,364.26	
8	AGC (**Total Gas Cost)		\$2,314,535.18	
		Sys Supply Purch	\$360,883.25	
		Diversified	\$73,935.00	(est)
		Misc Adjustment	\$0.00	
		Transportation	\$1,879,716.93	
9	2% of AGC		\$46,290.70	
10	PAC = (TPBR) / AGC		3.26%	

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-20

		<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	352234	FTA	16,000	\$4.5806	Demand Vol @ Max Rate	\$73,289.60
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Max Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Max Rate	<u>\$125,550.00</u>
			0					\$997,672.40
			0			<u>Disc Rate</u>		
CKY COST	(TATC)	Tenn	352234	FTA	16,000	\$4.5806	Demand Vol @ Disc Rate	\$73,289.60
		TCO	80160	SST	190,880	\$4.1850	Demand Vol @ Disc Rate	\$798,832.80
		TCO	81540	SST	30,000	\$4.1850	Demand Vol @ Disc Rate	\$125,550.00
LESS: Marketed Cap Release		TCO	SST		0	\$0.0000		<u>\$0.00</u>
			0					\$997,672.40
Marketed Cap Release		CGT	FTS-1		2,000	\$1.3020		\$2,604.00
Marketed Cap Release		CGT	FTS-1		18,700	\$1.0261		\$19,188.07
Marketed Cap Release		CGT	FTS-1		3,200	\$1.2400		\$3,968.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CGT	FTS-1		0	\$0.0000		\$0.00
Marketed Cap Release		CKT	FTS		8,000	\$2.7450		\$21,960.00
Total TCI								\$47,720.07

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

TBTC -

Total Actual Transportation Cost (from Transportation Closing Report)

TATC -

Transportation Cost Incentive

TCI -

CKY GCI CALCULATION

Flow Period: Mar-20

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)					
3/1/20	\$1.5500	\$1.6600	\$1.7500	\$1.5050	\$1.5650	\$1.6550	\$1.6100	\$1.6700	\$1.7500	\$1.5550	\$1.6317	\$1.7183
3/2/20	\$1.5500	\$1.6600	\$1.7500	\$1.5050	\$1.5650	\$1.6550	\$1.6100	\$1.6700	\$1.7500	\$1.5550	\$1.6317	\$1.7183
3/3/20	\$1.5500	\$1.6600	\$1.7500	\$1.5050	\$1.5700	\$1.6450	\$1.5500	\$1.5900	\$1.7000	\$1.5350	\$1.6067	\$1.6983
3/4/20	\$1.5500	\$1.6600	\$1.7500	\$1.5400	\$1.6300	\$1.7500	\$1.5500	\$1.5900	\$1.7000	\$1.5467	\$1.6267	\$1.7333
3/5/20	\$1.5500	\$1.6600	\$1.7500	\$1.5850	\$1.6450	\$1.7750	\$1.5500	\$1.5900	\$1.7000	\$1.5617	\$1.6317	\$1.7417
3/6/20	\$1.5500	\$1.6600	\$1.7500	\$1.5950	\$1.6400	\$1.7750	\$1.5500	\$1.5900	\$1.7000	\$1.5650	\$1.6300	\$1.7417
3/7/20	\$1.5500	\$1.6600	\$1.7500	\$1.5000	\$1.5400	\$1.6700	\$1.5500	\$1.5900	\$1.7000	\$1.5333	\$1.5967	\$1.7067
3/8/20	\$1.5500	\$1.6600	\$1.7500	\$1.5000	\$1.5400	\$1.6700	\$1.5500	\$1.5900	\$1.7000	\$1.5333	\$1.5967	\$1.7067
3/9/20	\$1.5500	\$1.6600	\$1.7500	\$1.5000	\$1.5400	\$1.6700	\$1.5500	\$1.5900	\$1.7000	\$1.5333	\$1.5967	\$1.7067
3/10/20	\$1.5500	\$1.6600	\$1.7500	\$1.4700	\$1.5050	\$1.6350	\$1.5500	\$1.7900	\$1.8000	\$1.5233	\$1.6517	\$1.7283
3/11/20	\$1.5500	\$1.6600	\$1.7500	\$1.5550	\$1.6250	\$1.7750	\$1.5500	\$1.7900	\$1.8000	\$1.5517	\$1.6917	\$1.7750
3/12/20	\$1.5500	\$1.6600	\$1.7500	\$1.5800	\$1.6700	\$1.8800	\$1.5500	\$1.7900	\$1.8000	\$1.5600	\$1.7067	\$1.8100
3/13/20	\$1.5500	\$1.6600	\$1.7500	\$1.4950	\$1.5650	\$1.7450	\$1.5500	\$1.7900	\$1.8000	\$1.5317	\$1.6717	\$1.7650
3/14/20	\$1.5500	\$1.6600	\$1.7500	\$1.6400	\$1.6700	\$1.8550	\$1.5500	\$1.7900	\$1.8000	\$1.5800	\$1.7067	\$1.8017
3/15/20	\$1.5500	\$1.6600	\$1.7500	\$1.6400	\$1.6700	\$1.8550	\$1.5500	\$1.7900	\$1.8000	\$1.5800	\$1.7067	\$1.8017
3/16/20	\$1.5500	\$1.6600	\$1.7500	\$1.6400	\$1.6700	\$1.8550	\$1.5500	\$1.7900	\$1.8000	\$1.5800	\$1.7067	\$1.8017
3/17/20	\$1.5500	\$1.6600	\$1.7500	\$1.5050	\$1.5800	\$1.7600	\$1.4400	\$1.4800	\$1.6000	\$1.4983	\$1.5733	\$1.7033
3/18/20	\$1.5500	\$1.6600	\$1.7500	\$1.5150	\$1.5700	\$1.7300	\$1.4400	\$1.4800	\$1.6000	\$1.5017	\$1.5700	\$1.6933
3/19/20	\$1.5500	\$1.6600	\$1.7500	\$1.3700	\$1.4200	\$1.5950	\$1.4400	\$1.4800	\$1.6000	\$1.4533	\$1.5200	\$1.6483
3/20/20	\$1.5500	\$1.6600	\$1.7500	\$1.3250	\$1.4100	\$1.5900	\$1.4400	\$1.4800	\$1.6000	\$1.4383	\$1.5167	\$1.6467
3/21/20	\$1.5500	\$1.6600	\$1.7500	\$1.4200	\$1.4850	\$1.5750	\$1.4400	\$1.4800	\$1.6000	\$1.4700	\$1.5417	\$1.6417
3/22/20	\$1.5500	\$1.6600	\$1.7500	\$1.4200	\$1.4850	\$1.5750	\$1.4400	\$1.4800	\$1.6000	\$1.4700	\$1.5417	\$1.6417
3/23/20	\$1.5500	\$1.6600	\$1.7500	\$1.4200	\$1.4850	\$1.5750	\$1.4400	\$1.4800	\$1.6000	\$1.4700	\$1.5417	\$1.6417
3/24/20	\$1.5500	\$1.6600	\$1.7500	\$1.4100	\$1.4550	\$1.5550	\$1.3800	\$1.3700	\$1.5600	\$1.4467	\$1.4950	\$1.6217
3/25/20	\$1.5500	\$1.6600	\$1.7500	\$1.4400	\$1.5050	\$1.6250	\$1.3800	\$1.3700	\$1.5600	\$1.4567	\$1.5117	\$1.6450
3/26/20	\$1.5500	\$1.6600	\$1.7500	\$1.4300	\$1.4950	\$1.6200	\$1.3800	\$1.3700	\$1.5600	\$1.4533	\$1.5083	\$1.6433
3/27/20	\$1.5500	\$1.6600	\$1.7500	\$1.3600	\$1.4200	\$1.5900	\$1.3800	\$1.3700	\$1.5600	\$1.4300	\$1.4833	\$1.6333
3/28/20	\$1.5500	\$1.6600	\$1.7500	\$1.2950	\$1.3450	\$1.5450	\$1.3800	\$1.3700	\$1.5600	\$1.4083	\$1.4583	\$1.6183
3/29/20	\$1.5500	\$1.6600	\$1.7500	\$1.2950	\$1.3450	\$1.5450	\$1.3800	\$1.3700	\$1.5600	\$1.4083	\$1.4583	\$1.6183
3/30/20	\$1.5500	\$1.6600	\$1.7500	\$1.2950	\$1.3450	\$1.5450	\$1.3800	\$1.3700	\$1.5600	\$1.4083	\$1.4583	\$1.6183
3/31/20	\$1.5500	\$1.6600	\$1.7500	\$1.3400	\$1.4150	\$1.5900	\$1.3800	\$1.3700	\$1.5600	\$1.4233	\$1.4817	\$1.6333
Avg Rate	\$1.5500	\$1.6600	\$1.7500	\$1.4708	\$1.5281	\$1.6735	\$1.4852	\$1.5587	\$1.6671	\$1.5020	\$1.5823	\$1.6969

Needs updated for Actuals with 31st price

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

Pipeline	Rec Point	Purchase Volume	Purchase Cost	Benchmark Cost	GCI Savings (Cost)
TCO	P10	112,200	\$153,048.25	\$168,523.19	\$15,474.94
CGT	M/L	0	\$0.00	\$0.00	\$0.00
TENN	500	124,000	\$207,835.00	\$210,413.33	\$2,578.33
					\$18,053.28

COLUMBIA GAS OF KENTUCKY
Off-System EXCHANGE Activity Report
Mar-20 (ESTIMATES)

SALES AMOUNTS

DATA STATUS	SALES TYPE**	EXCH TYPE	SALES ID	RECEIPT	DELIVERY	INVOICE MONTH	# OF	# OF	DELIVERY POINT	STATE OF SALE	VOLUMES Dth	RATE	SALE	COST	SALE	MARGIN
				FLOW DATE	FLOW DATE		MONTHS IN TERM	MONTHS EXPIRED				\$/Dth	\$			
E	E	OPP	S0251401	5/1/19	3/1/20	3/1/20	11	11	TCO P1042737	WV	310,000	\$0.2800	\$86,800.00	\$0.00	\$7,890.91	\$7,890.91
E	E	OPP	S0254441		1/1/20	5/1/20	5	3	TCO P1042737	WV	31000	\$0.0200	\$620.00	\$0.00	\$124.00	\$124.00
E	E	OPP	S0254444		1/1/20	5/1/20	5	3	TCO P1042737	WV	248,000	\$0.0250	\$6,200.00	\$0.00	\$1,240.00	\$1,240.00
E	E	OPP	S0254426		1/1/20	5/1/20	5	3	TCO P1042737	WV	62,000	\$0.0200	\$1,240.00	\$0.00	\$248.00	\$248.00
											651,000		\$94,860.00		\$9,502.91	\$9,502.91

PIPELINE COMPANY TARIFF SHEETS

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.

Issued:
March 6, 2020

Effective:
April 1, 2020

Columbia Gas Transmission, LLC
Tariff Sheet Summary for Current Rates & Retainage Factors

Description	Base Tariff Rate 1/	TCRA	EPCA	OTRA	CCRM	Total Effective Rate 1/
FTS						
Reservation Charge	\$ 5.903	0.295	0.084	0.089	0.790	7.161
Commodity						
Maximum	¢ 1.04	0.16	0.61	0.00	0.00	1.81
Minimum	¢ 1.04	0.16	0.61	0.00	0.00	1.81
Overrun	¢ 20.45	1.13	0.89	0.29	2.60	25.36
APX Incremental FTS						
Reservation Charge	\$ 5.757	0.295	0.084	0.089	-	6.225
Commodity						
Maximum	¢ 1.04	0.16	0.61	0.00	-	1.81
Minimum	¢ 1.04	0.16	0.61	0.00	-	1.81
Overrun	¢ 19.97	1.13	0.89	0.29	-	22.28
NTS						
Reservation Charge	\$ 7.322	0.295	0.084	0.089	0.790	8.580
Commodity						
Maximum	¢ 1.04	0.16	0.61	0.00	0.00	1.81
Minimum	¢ 1.04	0.16	0.61	0.00	0.00	1.81
Overrun	¢ 25.11	1.13	0.89	0.29	2.60	30.02
ITS						
Commodity						
Winter Period						
Maximum	¢ 20.39	1.13	0.88	0.29	2.60	25.29
Minimum	¢ 1.04	0.16	0.61	0.00	0.00	1.81
Summer Period						
Maximum	¢ 13.91	0.80	0.80	0.20	1.73	17.44
Minimum	¢ 1.04	0.16	0.61	0.00	0.00	1.81
GTS						
Commodity						
Maximum	¢ 74.17	2.10	1.17	0.59	5.19	83.22
Minimum	¢ 3.08	0.16	0.61	0.00	0.00	3.85
MFCC	¢ 71.09	1.94	0.56	0.59	5.19	79.37

^{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 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.

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Description	Base Tariff Rate 1/	TCRA	EPCA	OTRA	CCRM	Total Effective Rate 1/
OPT						
30 Days Interruption						
Reservation Charge	\$ 5.404	0.271	0.077	0.082	0.723	6.557
60 Days Interruption						
Reservation Charge	\$ 4.912	0.246	0.070	0.074	0.658	5.960
Commodity						
Maximum	¢ 1.04	0.16	0.61	0.00	0.00	1.81
Minimum	¢ 1.04	0.16	0.61	0.00	0.00	1.81
Overrun						
30 Days Interruption	¢ 18.81	1.05	0.86	0.27	2.38	23.37
60 Days Interruption	¢ 17.19	0.97	0.84	0.24	2.16	21.40
TPS						
Reservation Charge	\$ 5.903	0.295	0.084	0.089	0.790	7.161
Commodity						
Maximum	¢ 1.04	0.16	0.61	0.00	0.00	1.81
Minimum	¢ 1.04	0.16	0.61	0.00	0.00	1.81
Overrun	¢ 20.45	1.13	0.89	0.29	2.60	25.36
^{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 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.						
SST						
Reservation Charge	\$ 5.743	0.295	0.084	0.089	0.790	7.001
Commodity						
Maximum	¢ 1.02	0.16	0.61	0.00	0.00	1.79
Minimum	¢ 1.02	0.16	0.61	0.00	0.00	1.79
Overrun	¢ 19.90	1.13	0.89	0.29	2.60	24.81
SST - EME						
Reservation Charge	\$ 17.625	0.295	0.084	0.089	-	18.093
Commodity						
Maximum	¢ 1.02	0.16	0.61	0.00	-	1.79
Minimum	¢ 1.02	0.16	0.61	0.00	-	1.79
Overrun	¢ 58.97	1.13	0.89	0.29	-	61.28
FSS						
Reservation Charge	\$ 1.501	-	-	-	-	1.501
Capacity	¢ 2.88	-	-	-	-	2.88
Injection	¢ 1.53	-	-	-	-	1.53
Withdrawal	¢ 1.53	-	-	-	-	1.53
Overrun	¢ 10.87	-	-	-	-	10.87

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Description	Base Tariff Rate 1/	TCRA	EPCA	OTRA	CCRM	Total Effective Rate 1/
FSS - EME						
Reservation Charge	\$ 4.130	-	-	-	-	4.130
Capacity	¢ 6.80	-	-	-	-	6.800
Injection	¢ 1.53	-	-	-	-	1.53
Withdrawal	¢ 1.53	-	-	-	-	1.53
Overrun	¢ 23.44	-	-	-	-	23.44

^{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 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.

ISS

Commodity						
Maximum	¢ 5.92	-	-	-	-	5.92
Minimum	¢ 0.00	-	-	-	-	0.00
Injection	¢ 1.53	-	-	-	-	1.53
Withdrawal	¢ 1.53	-	-	-	-	1.53

SIT

Commodity						
Maximum	¢ 4.11	-	-	-	-	4.11
Minimum	¢ 1.53	-	-	-	-	1.53

FBS

Reservation Charge	\$ 0.0495	-	-	-	-	0.0495
Capacity	¢ 2.89	-	-	-	-	2.89
Injection	¢ 1.53	-	-	-	-	1.53
Withdrawal	¢ 1.53	-	-	-	-	1.53
Overrun	¢ 10.90	-	-	-	-	10.90

PAL

Commodity						
Winter Period						
Maximum	¢ 19.39	-	-	-	-	19.39
Minimum	¢ 0.00	-	-	-	-	0.00
Summer Period						
Maximum	¢ 13.27	-	-	-	-	13.27
Minimum	¢ 0.00	-	-	-	-	0.00

^{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 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.

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Description	Base Tariff Rate 1/	TCRA	EPCA	OTRA	CCRM	Total Effective Rate 1/
Gathering						
Firm:						
Reservation Charge						
Maximum	\$ 8.030	-	-	-	-	8.030
Commodity						
Maximum	¢ 0.60	-	-	-	-	0.60
Minimum	¢ 0.60	-	-	-	-	0.60
Overrun	¢ 27.00	-	-	-	-	27.00
Interruptible:						
Commodity						
Maximum	¢ 27.00	-	-	-	-	27.00
Minimum	¢ 0.60	-	-	-	-	0.60
FT-C						
Reservation Charge	\$ 4.944	-	-	-	-	4.944
Commodity						
Maximum	¢ 1.04	-	-	-	-	1.04
Minimum	¢ 1.04	-	-	-	-	1.04
Overrun	¢ 17.29	-	-	-	-	17.29
GC Incremental FTS						
Reservation Charge	\$ 7.090	0.295	0.084	0.089	-	7.558
Commodity						
Maximum	¢ 1.04	0.16	0.61	0.00	-	1.81
Minimum	¢ 1.04	0.16	0.61	0.00	-	1.81
Overrun	¢ 24.35	1.13	0.89	0.29	-	26.66
ESE Incremental FTS						
Reservation Charge	\$ 11.287	0.295	0.084	0.089	-	11.755
Commodity						
Maximum	¢ 1.04	0.16	0.61	0.00	-	1.81
Minimum	¢ 1.04	0.16	0.61	0.00	-	1.81
Overrun	¢ 38.15	1.13	0.89	0.29	-	40.46
ESE Incremental NTS						
Reservation Charge	\$ 12.805	0.295	0.084	0.089	-	13.273
Commodity						
Maximum	¢ 1.04	0.16	0.61	0.00	-	1.81
Minimum	¢ 1.04	0.16	0.61	0.00	-	1.81
Overrun	¢ 43.14	1.13	0.89	0.29	-	45.45

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Description	Base Tariff Rate 1/	TCRA	EPCA	OTRA	CCRM	Total Effective Rate 1/
LXP Incremental FTS						
Reservation Charge	\$ 13.569	0.295	0.084	0.089	-	14.037
Commodity						
Maximum	¢ 1.04	0.16	0.61	0.00	-	1.81
Minimum	¢ 1.04	0.16	0.61	0.00	-	1.81
Overrun	¢ 45.65	1.13	0.89	0.29	-	47.96
WBX Incremental FTS						
Reservation Charge	\$ 7.660	0.295	0.084	0.089	-	8.128
Commodity						
Maximum	¢ 1.04	0.16	0.61	0.00	-	1.81
Minimum	¢ 1.04	0.16	0.61	0.00	-	1.81
Overrun	¢ 26.22	1.13	0.89	0.29	-	28.53
MXP Incremental FTS						
Reservation Charge	\$ 14.606	0.295	0.084	0.089	-	15.074
Commodity						
Maximum	¢ 1.04	0.16	0.61	0.00	-	1.81
Minimum	¢ 1.04	0.16	0.61	0.00	-	1.81
Overrun	¢ 49.06	1.13	0.89	0.29	-	51.37
Processing						
	¢ -					-
^{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 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.						
X-131, 132, & 133						
Reservation Charge	\$ 0.640	-	0.180	-	-	0.820
Capacity	\$ 0.257	-	0.071	-	-	0.328
X-131, 132, & 133 Adder Rate						
Reservation Charge	\$ 0.461	-	0.000	-	-	0.461
Capacity	\$ 0.184	-	0.000	-	-	0.184

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Description	Base Tariff Rate 1/	TCRA	EPCA	OTRA	CCRM	Total Effective Rate 1/
Retainage Percentages						
Transportation Retainage	1.686%					
Gathering Retainage	5.500%					
Storage Gas Loss Retainage	0.490%					
Ohio Storage Gas Lost Retainage	1.220%					
Columbia Processing Retainage	0.000%					

^{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 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.

RETAINAGE PERCENTAGE

Transportation Retainage 0.436%

Annual F&LR and EPCR Adjustment - effective 04/01/2020

FIRM TRANSPORTATION: FT-A & FT-G 1\

Receipt From	Delivery To							
	Zone 0	Zone L	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
Zone 0								
Res	\$4.9656		\$10.3766	\$13.9580	\$14.2050	\$15.6084	\$16.5676	\$20.7866
Usg-Max	0.0032		0.0115	0.0177	0.0219	0.2391	0.2282	0.2716
Usg-Min	0.0032		0.0115	0.0177	0.0219	0.0250	0.0284	0.0346
Overrun	0.1661		0.3512	0.4742	0.4860	0.7522	0.7728	0.9550
Zone L								
Res		\$4.4083						
Usg-Max		0.0012						
Usg-Min		0.0012						
Overrun		0.1460						
Zone 1								
Res	\$7.4753		\$7.1656	\$9.5360	\$13.5088	\$13.3040	\$15.0039	\$18.4494
Usg-Max	0.0042		0.0081	0.0147	0.0179	0.2033	0.2073	0.2367
Usg-Min	0.0042		0.0081	0.0147	0.0179	0.0210	0.0256	0.0300
Overrun	0.2494		0.2426	0.3263	0.4597	0.6407	0.7006	0.8432
Zone 2								
Res	\$13.9581		\$9.4788	\$4.9299	\$4.6086	\$5.8968	\$8.1104	\$10.4695
Usg-Max	0.0167		0.0087	0.0012	0.0028	0.0658	0.1055	0.1169
Usg-Min	0.0167		0.0087	0.0012	0.0028	0.0056	0.0100	0.0143
Overrun	0.4734		0.3192	0.1631	0.1539	0.2597	0.3722	0.4612
Zone 3								
Res	\$14.2050		\$7.5081	\$4.9697	\$3.5853	\$5.5074	\$9.9605	\$11.5097
Usg-Max	0.0207		0.0169	0.0026	0.0002	0.0879	0.1217	0.1329
Usg-Min	0.0207		0.0169	0.0026	0.0002	0.0081	0.0118	0.0163
Overrun	0.485		0.2616	0.1657	0.118	0.269	0.4493	0.5112
Zone 4								
Res	\$18.0356		\$16.6272	\$6.3364	\$9.6295	\$4.7135	\$5.0976	\$7.2824
Usg-Max	0.0250		0.0205	0.0087	0.0105	0.0407	0.0576	0.0932
Usg-Min	0.0250		0.0205	0.0087	0.0105	0.0028	0.0046	0.0092
Overrun	0.6146		0.5645	0.2158	0.3257	0.1956	0.2252	0.3327
Zone 5								
Res	\$21.5048		\$15.1110	\$6.6468	\$8.0427	\$5.2363	\$4.9117	\$6.3942
Usg-Max	0.0284		0.0256	0.0100	0.0118	0.0573	0.0567	0.0705
Usg-Min	0.0284		0.0256	0.0100	0.0118	0.0046	0.0046	0.0066
Overrun	0.7316		0.5191	0.2271	0.2747	0.2295	0.2182	0.2808
Zone 6								
Res	\$24.8770		\$17.3562	\$11.9451	\$13.1593	\$9.2952	\$4.8900	\$4.2331
Usg-Max	0.0346		0.0300	0.0143	0.0163	0.0881	0.0478	0.0290
Usg-Min	0.0346		0.0300	0.0143	0.0163	0.0086	0.0041	0.0020
Overrun	0.8479		0.5967	0.4052	0.4468	0.3937	0.2084	0.1682

INTERRUPTIBLE TRANSPORTATION 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	\$0.1661		\$0.3512	\$0.4742	\$0.4860	\$0.7522	\$0.7728	\$0.9550
Usg-Min	0.0032		0.0115	0.0177	0.0219	0.0250	0.0284	0.0346
Zone L								
Usg-Max		\$0.1460						
Usg-Min		0.0012						
Zone 1								
Usg-Max	\$0.2494		\$0.2426	\$0.3263	\$0.4597	\$0.6407	\$0.7006	\$0.8432
Usg-Min	0.0042		0.0081	0.0147	0.0179	0.0210	0.0256	0.0300
Zone 2								
Usg-Max	\$0.4734		\$0.3192	\$0.1631	\$0.1539	\$0.2597	\$0.3722	\$0.4612
Usg-Min	0.0167		0.0087	0.0012	0.0028	0.0056	0.0100	0.0143
Zone 3								
Usg-Max	\$0.4850		\$0.2616	\$0.1657	\$0.1180	\$0.2690	\$0.4493	\$0.5112
Usg-Min	0.0207		0.0169	0.0026	0.0002	0.0081	0.0118	0.0163
Zone 4								
Usg-Max	\$0.6146		\$0.5645	\$0.2158	\$0.3257	\$0.1956	\$0.2252	\$0.3327
Usg-Min	0.0250		0.0205	0.0087	0.0105	0.0028	0.0046	0.0092
Zone 5								
Usg-Max	\$0.7316		\$0.5191	\$0.2271	\$0.2747	\$0.2295	\$0.2182	\$0.2808
Usg-Min	0.0284		0.0256	0.0100	0.0118	0.0046	0.0046	0.0066
Zone 6								
Usg-Max	\$0.8479		\$0.5967	\$0.4052	\$0.4468	\$0.3937	\$0.2084	\$0.1682
Usg-Min	0.0346		0.0300	0.0143	0.0163	0.0086	0.0041	0.0020

FUEL & LOSS RETENTION PERCENTAGE (F&LR) 2\

Receipt Zone	Delivery Zone							
	0	L	1	2	3	4	5	6
0	0.38%		1.55%	2.47%	3.08%	3.59%	4.24%	4.84%
L		0.10%						
1	0.52%		1.08%	2.00%	2.44%	3.02%	3.68%	4.21%
2	2.47%		1.16%	0.09%	0.33%	0.77%	1.43%	1.96%
3	3.08%		2.44%	0.33%	0.00%	1.14%	1.70%	2.32%
4	3.59%		2.79%	1.16%	1.41%	0.35%	0.63%	1.22%
5	4.24%		3.68%	1.45%	1.73%	0.62%	0.62%	0.84%
6	5.09%		4.40%	2.00%	2.32%	1.13%	0.46%	0.14%

ELECTRIC POWER COST RATES (EPCR)

Receipt Zone	Delivery Zone							
	0	L	1	2	3	4	5	6
0	\$0.0020		\$0.0077	\$0.0120	\$0.0149	\$0.0180	\$0.0204	\$0.0245
L		0.0007						
1	0.0027		0.0054	0.0099	0.0121	0.0151	0.0184	0.0212
2	0.0120		0.0058	0.0006	0.0018	0.0039	0.0071	0.0098
3	0.0149		0.0121	0.0018	0.0000	0.0057	0.0084	0.0113
4	0.0180		0.0139	0.0058	0.0070	0.0019	0.0032	0.0061
5	0.0204		0.0184	0.0071	0.0084	0.0032	0.0032	0.0042
6	0.0245		0.0212	0.0098	0.0113	0.0057	0.0024	0.0009

1\ Rates are exclusive of surcharges.

	FT-A	IT
ACA Commodity Surcharge	\$0.0013	\$0.0013
PS-GHG Reservation Surcharge	\$0.0181	
PS-GHG Commodity Surcharge	\$0.0007	\$0.0013

2\ Losses of -0.09% are included in the Transportation F&LR.

Service rendered solely through displacement and for gas scheduled and allocated for receipt at the Dracut, Massachusetts receipt point, Shipper shall render only the quantity of gas associated with Losses of 0.00%.

Annual F&LR and EPCR Adjustment - effective 04/01/2020

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	\$0.2749		\$0.5786	\$0.7802	\$0.7973	\$1.0944	\$1.1360	\$1.4106
Usg-Min	0.0032		0.0115	0.0177	0.0219	0.0250	0.0284	0.0346
Overrun	0.2749		0.5786	0.7802	0.7973	1.0944	1.1360	1.4106
Zone L								
Usg-Max		\$0.2426						
Usg-Min		0.0012						
Overrun		0.2426						
Zone 1								
Usg-Max	\$0.4132		\$0.3997	\$0.5353	\$0.7558	\$0.9323	\$1.0295	\$1.2476
Usg-Min	0.0042		0.0081	0.0147	0.0179	0.0210	0.0256	0.0300
Overrun	0.4132		0.3997	0.5353	0.7558	0.9323	1.0295	1.2476
Zone 2								
Usg-Max	\$0.7794		\$0.5269	\$0.2712	\$0.2550	\$0.3889	\$0.5500	\$0.6906
Usg-Min	0.0167		0.0087	0.0012	0.0028	0.0056	0.0100	0.0143
Overrun	0.7794		0.5269	0.2712	0.2550	0.3889	0.5500	0.6906
Zone 3								
Usg-Max	\$0.7963		\$0.4261	\$0.2746	\$0.1966	\$0.3898	\$0.6675	\$0.7635
Usg-Min	0.0207		0.0169	0.0026	0.0002	0.0081	0.0118	0.0163
Overrun	0.7963		0.4261	0.2746	0.1966	0.3898	0.6675	0.7635
Zone 4								
Usg-Max	\$1.0100		\$0.9289	\$0.3548	\$0.5367	\$0.2989	\$0.3368	\$0.4924
Usg-Min	0.0250		0.0205	0.0087	0.0105	0.0028	0.0046	0.0092
Overrun	1.0100		0.9289	0.3548	0.5367	0.2989	0.3368	0.4924
Zone 5								
Usg-Max	\$1.2030		\$0.8503	\$0.3730	\$0.4510	\$0.3442	\$0.3260	\$0.4208
Usg-Min	0.0284		0.0256	0.0100	0.0118	0.0046	0.0046	0.0066
Overrun	1.2030		0.8503	0.3730	0.4510	0.3442	0.3260	0.4208
Zone 6								
Usg-Max	\$1.3933		\$0.9770	\$0.6669	\$0.7352	\$0.5975	\$0.3156	\$0.2610
Usg-Min	0.0346		0.0300	0.0143	0.0163	0.0086	0.0041	0.0020
Overrun	1.3933		0.9770	0.6669	0.7352	0.5975	0.3156	0.2610

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			\$0.3412	\$0.4589	\$0.4670	\$0.5131	\$0.5447	\$0.6834
Zone L								
Daily Res								
Zone 1								
Daily Res	\$0.2458			\$0.3136	\$0.4441	\$0.4374	\$0.4933	\$0.6065
Zone 2								
Daily Res	\$0.4589		\$0.3116	\$0.0000	\$0.1515	\$0.1939	\$0.2667	\$0.3442
Zone 3								
Daily Res	\$0.4670		\$0.2469	\$0.1634		\$0.1811	\$0.3276	\$0.3784
Zone 4								
Daily Res	\$0.5929		\$0.5467	\$0.2083	\$0.3166		\$0.1676	\$0.2394
Zone 5								
Daily Res	\$0.7069		\$0.4968	\$0.2184	\$0.2644	\$0.1722		\$0.2103
Zone 6								
Daily Res	\$0.8179		\$0.5706	\$0.3927	\$0.4326	\$0.3055	\$0.1608	

STORAGE SERVICE 2\

	Deliverability	Capacity	Ini./With.	Overrun	F&LR	EPCR
FS-PA	\$1.8222	\$0.0185	\$0.0073	\$0.2187	1.36%	\$0.0000
FS-MA	\$1.3386	0.0183	0.0087	0.1607	1.36%	0.0000
IS-PA		0.0913	0.0073		1.36%	0.0000
IS-MA		0.0736	0.0087		1.36%	0.0000

PARK AND LOAN SERVICE

PAL Daily Rate	\$0.3556
PAL Term Rate	\$0.3556

1\ Rates are exclusive of surcharges.

	FT-GS
ACA Commodity Surcharge	\$0.0013
PS-GHG Commodity Surcharge	\$0.0017

2\ Losses of 0.03% are included in the Storage F&LR.

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
(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/}	
	<u>Billing Rate</u>	
<u>Actual Gas Cost Adjustment ^{1/}</u>		
For all volumes per billing period per Mcf	\$(0.2589)	R
<u>RATE SCHEDULE SVAS</u>		
Balancing Charge – per Mcf	\$1.2292	I

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	April 29, 2020
DATE EFFECTIVE	May 29, 2020 (Unit 1 June)
ISSUED BY	/s/ Kimra H. Cole
TITLE	President & Chief Operating Officer

**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		6.6548		6.6548	I
Standby Service Commodity Charge per Mcf			1.6172	1.6172	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		0.0216		0.0216	I
<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		0.0216		0.0216	I

^{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 April 29, 2020
 DATE EFFECTIVE May 29, 2020 (Unit 1 June)
 ISSUED BY /s/ Kimra H. Cole
 TITLE President & Chief Operating Officer

CURRENTLY EFFECTIVE BILLING RATES

<u>SALES SERVICE</u>	<u>Base Rate Charge</u> \$	<u>Gas Cost Adjustment^{1/}</u> <u>Demand</u> \$	<u>Commodity</u> \$	<u>Total Billing Rate^{3/}</u> \$	
<u>RATE SCHEDULE GSR</u>					
Customer Charge per billing period	16.00			16.00	
Delivery Charge per Mcf	3.5665 ^{3/}	1.3608	1.6172	6.5445	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/}	1.3608	1.6172	5.9961	R
Next 350 Mcf per billing period	2.3295 ^{3/}	1.3608	1.6172	5.3075	R
Next 600 Mcf per billing period	2.2143 ^{3/}	1.3608	1.6172	5.1923	R
Over 1,000 Mcf per billing period	2.0143 ^{3/}	1.3608	1.6172	4.9923	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/}		1.6172 ^{2/}	2.2457	R
Next 70,000 Mcf per billing period	0.3737 ^{3/}		1.6172 ^{2/}	1.9909	R
Over 100,000 Mcf per billing period	0.3247 ^{3/}		1.6172 ^{2/}	1.9419	R
Firm Service Demand Charge					
Demand Charge times Daily Firm					
Volume (Mcf) in Customer Service Agreement		6.6548		6.6548	I
<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/}	1.3608	1.6172	4.1324	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 3.1935 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 April 29, 2020

DATE EFFECTIVE May 29, 2020 (Unit 1 June)

ISSUED BY /s/ Kimra H. Cole

TITLE President & Chief Operating Officer