

A NiSource Company
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October 26, 2020

ELECTRONICALLY FILED

Mr. Kent Chandler
Acting Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602

Re: Purchased Gas Adjustment Case No. 2020 – 00355

Dear Mr. Chandler:

Please find enclosed and accept for filing Columbia Gas of Kentucky, Inc.'s quarterly Gas Cost Adjustment ("GCA"). The data is submitted pursuant to the requirements of the Gas Cost Adjustment Provision contained in Columbia's tariff for its December quarterly adjustment. In accordance with 807 KAR 5:001, Section 8, and the Commission's Order of March 16, 2020 in Case No. 2020-00085, I certify that the electronically filed documents are a true and accurate copy of the same documents to be filed in paper medium once the State of Emergency has ceased; that there are currently no parties in this proceeding that the Commission has excused from participation by electronic means; and that one paper copy of this filing will be filed by hand-delivery with the Commission once the State of Emergency has ceased.

Columbia proposes to increase its current rates to tariff sales customers by \$1.3272 per Mcf effective with its December 2020 billing cycle on November 25, 2020. The increase is composed of an increase of \$1.3695 per Mcf in the Average Commodity Cost of Gas, a decrease of (\$0.0073) per Mcf in the Average Demand Cost of Gas, an increase of \$0.0291 per Mcf in the Balancing Adjustment, and a decrease of (\$0.0641) in the Actual Cost Adjustment. As our offices are working remotely due to COVID-19, please contact Judy Cooper at jmcoop@nisource.com if there are any questions.

Sincerely,

/s/ Brooke E. Wancheck Assistant General Counsel

Enclosures

BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

COLUMBIA GAS OF KENTUCKY, INC.

CASE 2020 - 00355

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

Columbia Gas of Kentucky, Inc.

Comparison of Current and Proposed GCAs

Line		Sept 2020	Dec 2020	
<u>No.</u>	Campanadity Cast of Cas	CURRENT \$1,0035	PROPOSED 62.2720	DIFFERENCE \$1,3005
1	Commodity Cost of Gas	\$1.9025	\$3.2720	\$1.3695
2	Demand Cost of Gas	<u>\$1.3169</u>	<u>\$1.3096</u>	(\$0.0073)
3	Total: Expected Gas Cost (EGC)	\$3.2194	\$4.5816	\$1.3622
4	SAS Refund Adjustment	\$0.0000	\$0.0000	\$0.0000
5	Balancing Adjustment	(\$0.0352)	(\$0.0061)	\$0.0291
6	Supplier Refund Adjustment	\$0.0000	\$0.0000	\$0.0000
7	Actual Cost Adjustment	(\$0.4743)	(\$0.5384)	(\$0.0641)
8	Performance Based Rate Adjustment	<u>\$0.2167</u>	<u>\$0.2167</u>	\$0.0000
9	Cost of Gas to Tariff Customers (GCA)	\$2.9266	\$4.2538	\$1.3272
10	Transportation TOP Refund Adjustment	\$0.0000	\$0.0000	\$0.0000
11	Banking and Balancing Service	\$0.0216	\$0.0216	\$0.0000
12	Rate Schedule FI and GSO			
13	Customer Demand Charge	\$6.6495	\$7.1798	\$0.5303

Columbia Gas of Kentucky, Inc. Gas Cost Adjustment Clause Gas Cost Recovery Rate Dec 20 - Feb 21

Li	ne	

No.	<u>Description</u>				<u>Amount</u>	<u>Expires</u>
1	Expected Gas Cost (EGC)	Schedule No. 1			\$4.5816	02-28-21
2	Total Actual Cost Adjustment (ACA)	Schedule No. 2			(\$0.5384)	
			Case No. 2020-00029	\$0.3687		02-28-21
			Case No. 2020-00143	(\$0.5759)		05-31-21
			Case No. 2020-00253	(\$0.2354)		08-31-21
			Case No. 2020-00355	(\$0.0958)		11-30-21
3	Total Supplier Refund Adjustment (RA)	Schedule No. 4			\$0.0000	
4	Balancing Adjustment (BA)	Schedule No. 3	Case No. 2020-00355		(\$0.0061)	02-28-21
5	Performance Based Rate Adjustment (PBRA)	Schedule No. 6	Case No. 2020-00143		\$0.2167	05-31-21
6	Gas Cost Adjustment					
	Dec 20 - Feb 21				<u>\$4.2538</u>	
8	Expected Demand Cost (EDC) per Mcf					
9	(Applicable to Rate Schedule IS/SS and GSO)	Schedule No. 1, S	heet 4		<u>\$7.1798</u>	

DATE FILED: October 26, 2020

BY: J. M. Cooper

Expected Gas Cost for Sales Customers

Dec 20 - Feb 21

Sheet 1

Line			Volum	ie A/	Rate	2	
No.	Description	Reference	Mcf	Dth.	Per Mcf	Per Dth	Cost
		<u></u>	(1)	(2)	(3)	(4)	(5)
	Storage Supply						
	Includes storage activity for sales customers onl	у					
	Commodity Charge						
1	Withdrawal			(5,103,489)		\$0.0153	\$78,083
2	Injection			15,304		\$0.0153	\$234
3	Withdrawals: gas cost includes pipeline fuel and	d commodity charges		5,088,184		\$2.7941	\$14,216,896
	Total						
4	Volume	Line 3		5,088,184			
5	Cost	Line 1 + Line 2 + Line 3					\$14,295,213
6	Summary	Line 4 or Line 5		5,088,184			\$14,295,213
	Flowing Supply						
	Excludes volumes injected into or withdrawn fro	om storage.					
	Net of pipeline retention volumes and cost. Add	d unit retention cost on line	18				
7	New Appeleakies	Cab 1 Cht E In 1		1 574 701			¢4.500.034
7 8	Non-Appalachian Appalachian Supplies	Sch.1, Sht. 5, Ln. 4 Sch.1, Sht. 6, Ln. 4		1,574,701 115,966			\$4,566,634 \$410,579
9	Less Fuel Retention By Interstate Pipelines	Sch. 1, Sheet 7, Lines 21,	22	(134,917)			(\$329,346)
9	Less i dei Neterition by interstate ripelines	3cm. 1,3meet 7, times 21,	22	(134,317)			(\$323,340)
10	Total	Line 7 + Line 8 + Line 9		1,555,750			\$4,647,867
	Total Supply						
11	At City-Gate	Line 6 + Line 10		6,643,934			\$18,943,080
	Lost and Unaccounted For						
12	Factor			-0.4%			
13	Volume	Line 11 * Line 12		(26,576)			
14	At Customer Meter	Line 11 + Line 13	6,010,317	6,617,358			
	Less: Right-of-Way Contract Volume	Una 44 Una 45	1,700				
16	Sales Volume	Line 14-Line 15	6,008,618				
	Unit Costs \$/MCF						
	Commodity Cost						
17	Excluding Cost of Pipeline Retention	Line 11 / Line 16			\$3.1527		
18	Annualized Unit Cost of Retention	Sch. 1,Sheet 7, Line 24			\$0.0894		
19	Including Cost of Pipeline Retention	Line 17 + Line 18			\$3.2421		
20	Uncollectible Ratio	CN 2016-00162			0.00923329		
21	Gas Cost Uncollectible Charge	Line 19 * Line 20			\$0.0299		
22	Total Commodity Cost	Line 19 + Line 21			\$3.2720		
23	Demand Cost	Sch.1, Sht. 2, Line 10			<u>\$1.3096</u>		
24	Total Expected Gas Cost (EGC)	Line 22 + Line 23			\$4.5816		

A/ BTU Factor = 1.1010 Dth/MCF

Columbia Gas of Kentucky, Inc. GCA Unit Demand Cost Dec 20 - Feb 21

Schedule No. 1

Sheet 2

No.	Description	<u>Reference</u>	Cost
1	Expected Demand Cost: Annual Dec 20 - Feb 21	Sch. No.1, Sheet 3, Ln. 11	\$18,391,202
2	Less Rate Schedule IS/SS and GSO Customer Demand Charge Recovery	Sch. No.1, Sheet 4, Ln. 10	(\$128,633)
3	Less Storage Service Recovery from Delivery Service Customers	_	(\$203,285)
4	Net Demand Cost Applicable	Line 1 + Line 2 + Line 3	\$18,059,284
	Projected Annual Demand: Sales + Choice		
5	At city-gate In Dth Heat content In MCF		15,247,445 Dth 1.1010 Dth/MCF 13,848,724 MCF
6 7 8 9	Lost and Unaccounted - For Factor Volume Right of way Volumes At Customer Meter	Line 5 x Line 6 Line 5 - Line 7 - Line 8	0.4% 55,395 MCF <u>3,068</u> MCF 13,790,261 MCF
10	Unit Demand Cost To Sheet 1, Line 23	Line 4 / Line 9	\$1.3096 per MCF

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

Schedule No. 1
Sheet 3

1 !			Manakhi. Data		Expected
Line No.	Description	Dth	Monthly Rate \$/Dth	# Months	Annual Demand Cost
	Description.		Ψ, Σ ε		Demana Cost
	Columbia Gas Transmission Corporation				
_	Firm Storage Service (FSS)		40.000		40.000.001
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	\$7.0510	12	\$1,693,425
6	Firm Transportation Service (FTS)	5,124	\$7.0510	12	\$433,552
7	Subtotal Sum of Lines 1 through 6				\$17,511,727
	Tennessee Gas				
8	Firm Transportation	16,000	\$4.5806	12	\$879,475
	Central Kentucky Transmission				
9	Firm Transportation	0	\$0.0000	12	\$0
10	Operational and Commercial Services Charge		\$0	12	\$0
11	Total Sum of Lines 7 through 11 To Sheet 2, line 1				\$18,391,202

Columbia Gas of Kentucky, Inc.

Gas Cost Adjustment Clause

Schedule No. 1

Sheet 4

Expected Demand Costs Recovered Annually From Rate Schedule IS/SS and GSO Customers Dec 20 - Nov 21

Capacity Line No. Description Daily # Months Annualized Units **Annual Cost** Dth Dth (3) (1) (2) (3) $= (1) \times (2)$ 1 Expected Demand Costs (Per Sheet 3) \$18,391,202 City-Gate Capacity: Columbia Gas Transmission 2 Firm Storage Service - FSS 209,880 12 2,518,560 Firm Transportation Service - FTS 25,138 301,656 3 12 0 0 4 **Central Kentucky Transportation** 12 5 Total -- Sum of Lines 2 through 4 2,820,216 Dth 6 Divided by Average BTU Factor 1.101 Dth/MCF 7 Total Capacity - Annualized -- Line 5 / Line 6 2,561,504 Mcf Monthly Unit Expected Demand Cost (EDC) of Daily Capacity Applicable to \$7.1798 /Mcf Rate Schedules IS/SS and GSO -- Line 1 / Line 7 9 Firm Volumes of IS/SS and GSO Customers 1,493 17,916 Mcf 12 Expected Demand Charges to be Recovered Annually from Rate Schedule To Sheet 2, line 2 \$128,633 IS/SS and GSO Customers -- Line 8 x Line 9

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

Dec 20 - Feb 21

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

Total Flowing Supply Including Gas Injected

Net Flowing Supply for Current

Line			into Storage			Consum	otion
					Net Storage		
No.	Month	Volume A/	Cost	Unit Cost	Injection	Volume	Cost
		Dth		\$/Dth	Dth	Dth	
		(1)	(2)	(3)	(4)	(5)	(6)
				= (2) / (1)		= (1) + (4)	$= (3) \times (5)$
1	Dec 20	546,473	\$1,536,434		0	546,473	
2	Jan-21	538,969	\$1,602,600		0	538,969	
3	Feb-21	489,260	\$1,429,368		0	489,260	
4	Total Sum of Lines 1 through 3	1,574,701	\$4,568,402	\$2.90	0	1,574,701	\$4,566,634

A/ Gross, before retention.

Columbia Gas of Kentucky, Inc. Appalachian Supply: Volume and Cost Dec 20 - Feb 21

Schedule No. 1 Sheet 6

Line <u>No.</u>	<u>Month</u>	<u>Dth</u> (2)	<u>Cost</u> (3)
1	Dec 20	35,621	\$121,929
2	Jan-21	39,782	\$143,136
3	Feb-21	40,563	\$145,514
4	Total Sum of Lines 1 through 3	115,966	\$410,579

Sheet 7

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

Annual

Line							
No.	Description	Units	Dec 20 - Feb 21	Mar 21 - May 21	Jun 21 - Aug 21	Sept 21 - Nov 21	Dec 20 - Nov 21
	Gas purchased by CKY for the remaining sales customers						
1	Volume	Dth	1,690,667	3,508,674	4,548,918	2,513,628	12,261,887
2	Commodity Cost Including Transportation		\$4,978,982	\$8,384,291	\$10,953,916	\$5,615,318	\$29,932,506
3	Unit cost	\$/Dth					\$2.4411
	Consumption by the remaining sales customers						
4	At city gate	Dth	6,643,934	2,807,241	625,324	2,164,761	12,241,260
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	6,617,358	2,796,012	622,823	2,156,102	12,192,295
7	Heat content	Dth/MCF	1.1010	1.1010	1.1010	1.1010	
8	In MCF = Line 6 / Line 7	MCF	6,010,316	2,539,520	565,688	1,958,312	11,073,836
9	Portion of annual Line 8 / Annual		54.3%	22.9%	5.1%	17.7%	100.0%
	Gas retained by upstream pipelines						
10	Volume	Dth	134,917	99,137	97,128	73,974	405,156
	Cost		To Sheet 1, line 9				
11	Quarterly Deduct from Sheet 1 Line 3 x Line 10		\$329,346	\$242,003	\$237,099	\$180,578	\$989,026
12	Allocated to quarters by consumption		\$537,041	\$226,487	\$50,440	\$175,058	\$989,026
			To Sheet 1, line 18				
13	Annualized unit charge Line 12 / Line 8	\$/MCF	\$0.0894	\$0.0892	\$0.0892	\$0.0894	\$0.0893

DETERMINATION OF THE BANKING AND BALANCING CHARGE FOR THE PERIOD BEGINNING DECEMBER 2020

Line <u>No.</u>	<u>Description</u>	<u>Dth</u>	<u>Detail</u>	Amount For Transportation <u>Customers</u>
1	Total Storage Capacity From Sheet 3, Line 2	10,703,880		
2	Net Transportation Volume	10,368,336		
3	Contract Tolerance Level @ 5%	518,417		
4 5	Percent of Annual Storage Applicable to Transportation Customers		4.84%	
6 7 8 9	Seasonal Contract Quantity (SCQ) Rate SCQ Charge - Annualized Amount Applicable To Transportation Customers		\$0.0288 \$3,699,261	\$179,044
10 11 12 13	FSS Injection and Withdrawal Charge Rate Total Cost Amount Applicable To Transportation Customers		0.0306 \$327,539	\$15,853
14 15 16 17 18	SST Commodity Charge Rate Projected Annual Storage Withdrawal, Dth Total Cost Amount Applicable To Transportation Customers		0.0191 9,074,055 \$173,314	<u>\$8,388</u>
19	Total Cost Applicable To Transportation Customers			<u>\$203,285</u>
20	Total Transportation Volume - Mcf			16,128,999
21	Flex and Special Contract Transportation Volume - Mcf			(6,711,800)
22	Net Transportation Volume - Mcf Line 20 + Line 21			9,417,199
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. 2020-00355 Effective December 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) Demand ACA (Schedule No. 2, Sheet 1, Case No. 2020-00029, Case No. 2020-00143, Case No. 2020-000253, & Case No. 2020-00355) Refund Adjustment (Schedule No. 4, Case No. 202X-) Total Demand Rate per Mcf	\$1.3096 \$0.1420 <u>\$0.0000</u> \$1.4516
Commodity Component of Gas Cost Adjustment	
Commodity Cost of Gas (Schedule No. 1, Sheet 1, Line 22) Commodity ACA (Schedule No. 2, Sheet 1, Case No. 2020-00029, Case No. 2020-00143, Case No. 2020-000253, & Case No. 2020-00355) Balancing Adjustment Performance Based Rate Adjustment (Schedule No. 6, Case No. 2020-00143) Total Commodity Rate per Mcf	\$3.2720 (\$0.6804) (\$0.0061) <u>\$0.2167</u> \$2.8022
CHECK: COST OF GAS TO TARIFF CUSTOMERS (GCA)	\$1.4516 <u>\$2.8022</u> \$4.2538
Calculation of Rate Schedule SVGTS - Actual Gas Cost Adjustment	
Commodity ACA (Schedule No. 2, Sheet 1, Case No. 2020-00029, Case No. 2020-00143, Case No. 2020-000253, & Case No. 2020-00355) Balancing Adjustment Performance Based Rate Adjustment (Schedule No. 6, Case No. 2020-00143) Total Commodity Rate per Mcf	(\$0.6804) (\$0.0061) \$0.2167 (\$0.4698)

Columbia Gas of Kentucky, Inc. CKY Choice Program 100% Load Factor Rate of Assigned FTS Capacity Balancing Charge Dec 20 - Feb 21

Line No.	Description	ContractV olume Dth Sheet 3 (1)	Retention (2)	Monthly demand charges \$/Dth Sheet 3 (3)	Number of Months	Assignment Proportions Line 7 or Line 8 (5)	Adjustment for retention on downstream pipe, if any	\$/Dth (7) = (3)x(4)x(5)x(6)	\$/MCF
City ga	ate capacity assigned to Choice marke	ters							
1	Contract								
2	CKT FTS/SST	_	0.000%						
3	TCO FTS	25,138	1.686%						
4	Total	25,138							
5	rotar	23,130							
6	Assignment Proportions								
7	CKT FTS/SST Line 2 / Line 4	0.00%							
8	TCO FTS Line 3 / Line 4	100.00%							
Annua	Il demand cost of capacity assigned to	choice marke	ters						
9	CKT FTS			\$0.0000	12	0.0000	1.0000	\$0.0000	
10	TCO FTS			\$7.0510	12	1.0000	1.0000	\$84.6120	
11	TGP FTS-A, upstream to TCO FTS			\$4.5806	12	1.0000	1.0171	\$55.9098	
12	Total Demand Cost of Assigned FTS,	per unit						\$140.5218	\$154.7145
13	100% Load Factor Rate (Line 13 / 365	days)							\$0.4239
	ing charge, paid by Choice marketers								44.4546
14	Demand Cost Recovery Factor in GCA		CKY Tariff Sheet	No. 5					\$1.4516
15	Less credit for cost of assigned capac		ha Chaine ar - II						(\$0.4239)
16	Plus storage commodity costs incurre	ed by CKY for t	ne choice marke	eter					<u>\$0.0726</u>
17	Balancing Charge, per Mcf Sum of	Lines 15 throu	gh 17						\$1.1003

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 AUGUST 31, 2020

Line <u>No.</u>		Total Sales Volumes <u>Per Books</u> Mcf (1)	Standby Service Sales <u>Volumes</u> Mcf (2)	Net Applicable Sales Volumes Mcf (3)=(1)-(2)	Average Expected Gas Cost Rate \$/Mcf (4) = (5/3)	Gas Cost <u>Recovery</u> \$ (5)	Standby Service <u>Recovery</u> \$ (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 2 3	June 2020 July 2020 August 2020	306,980 286,565 186,098	1,212 615 65	305,768 285,950 186,033	\$3.1728 \$2.1755 \$3.1767	\$970,147 \$622,084 \$590,980	\$13,670 \$12,583 \$10,056	(\$1,399) (\$1,023) (\$901)	\$985,217 \$635,690 \$601,937	(\$767,212) \$367,313 \$1,867,068	(\$1,752,429) (\$268,378) \$1,265,131
4	TOTAL	779,643	1,892	777,751		\$2,183,211	\$36,309	(\$3,323)	\$2,222,844	\$1,467,168	(\$755,676)
5 6 7	Off-System Sales Capacity Release Gas Cost Audit										(\$294,844) \$0 \$0
8	TOTAL (OVER)/UNDER	-RECOVERY								=	(\$1,050,519.11)
9 10 11 12	Demand Revenues Red Demand Cost of Gas Demand (Over)/Under Expected Sales Volume	Recovery	ve Months End	d November 30, 2	2021					=	\$941,157 <u>\$3,517,159</u> \$2,576,002 11,070,534
13	DEMAND ACA TO EXP	IRE NOVEMBER	R 30, 2021								\$0.2327
16 17 18	Commodity Revenues Received Commodity Cost of Gas Commodity (Over)/Under Recovery Gas Cost Uncollectible ACA										\$1,281,688 (\$2,344,834) (\$3,626,522) (\$10,105) (\$3,636,627) 11,070,534
20	COMMODITY ACA TO	EXPIRE NOVEM	1BER 30, 2021								(\$0.3285)
21	TOTAL ACA TO EXPI	RE NOVEMBE	R 30, 2021							=	(\$0.0958)

\$36,309

STATEMENT SHOWING ACTUAL COST RECOVERY FROM CUSTOMERS TAKING STANDBY SERVICE UNDER RATE SCHEDULE IS AND GSO FOR THE THREE MONTHS ENDED AUGUST 31, 2020

			Average	
		SS	SS	SS
LINE		Commodity	Recovery	Commodity
NO.	<u>MONTH</u>	<u>Volumes</u>	<u>Rate</u>	Recovery
		(1)	(2)	(3)
		Mcf	\$/Mcf	\$
1	June 2020	1,212	\$2.1837	\$2,647
2	July 2020	615	\$1.8589	\$1,143
3	August 2020	65	\$1.8588	\$121
4	Total SS Commodity Recovery			\$3,911
			Average	SS
LINE <u>NO.</u>	<u>MONTH</u>	SS Demand <u>Volumes</u> (1) Mcf	SS Demand <u>Rate</u> (2) \$/Mcf	Demand Recovery (3) \$
	MONTH June 2020	Demand <u>Volumes</u> (1)	Demand <u>Rate</u> (2)	Demand Recovery (3)
NO.		Demand <u>Volumes</u> (1) Mcf	Demand Rate (2) \$/Mcf	Demand Recovery (3) \$
NO. 5	June 2020	Demand <u>Volumes</u> (1) Mcf	Demand Rate (2) \$/Mcf \$6.4127	Demand Recovery (3) \$ \$11,023
NO. 5 6	June 2020 July 2020	Demand <u>Volumes</u> (1) Mcf 1,719 1,719	Demand Rate (2) \$/Mcf \$6.4127 \$6.6548	Demand Recovery (3) \$ \$11,023 \$11,440

9

TOTAL SS AND GSO RECOVERY

Columbia Gas of Kentucky, Inc. Gas Cost Uncollectible Charge - Actual Cost Adjustment For the Three Months Ending August 31, 2019

Line									
No.	<u>Class</u>	<u>J</u>	<u>un-19</u>		<u>Jul-19</u>	<u> </u>	\ug-19		<u>Total</u>
1	Actual Cost	\$	(8,596)	\$	(5,292)	\$	15,778	\$	1,889
2	Actual Recovery	\$	5,382	\$	3,408	\$	3,204	\$	11,994
3	(Over)/Under Activity	Ś	(13.979)	Ś	(8.700)	Ś	12.574	Ś	(10.105)

BALANCING ADJUSTMENT SCHEDULE NO. 3

(0.0061)

COLUMBIA GAS OF KENTUCKY, INC.

CALCULATION OF BALANCING ADJUSTMENT TO BE EFFECTIVE DECEMBER 1, 2020

Line <u>No.</u>	<u>Description</u>	<u>Detail</u> \$	Amount \$
1	RECONCILIATION OF A PREVIOUS BALANCING ADJUSTME	NT	
2	Total adjustment to have been collected from		
3	customers in Case No. 2020-00143	\$50,406	
4	Less: actual amount distributed	\$52,401	
5	REMAINING AMOUNT		(\$1,994)
6	RECONCILIATION OF PREVIOUS ACTUAL COST ADJUSTME	NT_	
7	Total adjustment to have been distributed to		
8	customers in Case No. 2019-00267	(\$2,811,680)	
9	Less: actual amount distributed	(\$2,776,967)	
10	REMAINING AMOUNT		(\$34,712)
11	TOTAL BALANCING ADJUSTMENT AMOUNT	=	(\$36,707)
12 13	Divided by: projected sales volumes for the three months ended February 28, 2021		6,008,676
14	BALANCING ADJUSTMENT (BA) TO		

15

EXPIRE FEBRUARY 28, 2021

Columbia Gas of Kentucky, Inc. Balancing Adjustment Supporting Data

Case No. 2020-00143

Expires: September 30, 2020	Volume	Surcharge Rate	Surcharge Amount	Surcharge Balance
Beginning Balance				\$50,406
June 2020	316,265	\$0.0751	\$23,752	\$26,655
July 2020	197,970	\$0.0751	\$14,868	\$11,787
August 2020	185,623	\$0.0751	\$13,940	(\$2,153)
September 2020	(2,110)	\$0.0751	(\$158)	(\$1,994)
TOTAL SURCHARGE COLLECTED				
SUMMARY:				
SURCHARGE AMOUNT	\$50,406			
AMOUNT COLLECTED	\$ <u>52,401</u>			
REMAINING BALANCE	(\$1,994)			

Columbia Gas of Kentucky, Inc. Actual Cost Adjustment YR2019 QTR2 Supporting Data

Case No. 2019-00267

		Tariff			Choice		
Expires: September 30, 2020		Refund	Refund		Refund	Refund	Refund
	Volume	Rate	Amount	Volume	Rate	Amount	Balance
							(\$2,811,680)
Sep-19	195,861	(\$0.2684)	(\$52,569)	1,194	(\$0.1238)	(\$148)	(\$2,758,963)
Oct-19	245,098	(\$0.2684)	(\$65,784)	1,562	(\$0.1238)	(\$193)	(\$2,692,985)
Nov-19	862,277	(\$0.2684)	(\$231,435)	4,145	(\$0.1238)	(\$513)	(\$2,461,037)
Dec-19	1,765,237	(\$0.2684)	(\$473,790)	9,004	(\$0.1238)	(\$1,115)	(\$1,986,132)
Jan-20	1,807,221	(\$0.2684)	(\$485,058)	8,225	(\$0.1238)	(\$1,018)	(\$1,500,056)
Feb-20	1,834,583	(\$0.2684)	(\$492,402)	8,622	(\$0.1238)	(\$1,067)	(\$1,006,587)
Mar-20	1,548,729	(\$0.2684)	(\$415,679)	8,534	(\$0.1238)	(\$1,057)	(\$589,851)
Apr-20	750,844	(\$0.2684)	(\$201,526)	6,499	(\$0.1238)	(\$805)	(\$387,520)
May-20	621,631	(\$0.2684)	(\$166,846)	5,060	(\$0.1238)	(\$626)	(\$220,048)
Jun-20	309,960	(\$0.2684)	(\$83,193)	3,975	(\$0.1238)	(\$492)	(\$136,363)
Jul-20	195,629	(\$0.2684)	(\$52,507)	2,341	(\$0.1238)	(\$290)	(\$83,566)
Aug-20	184,045	(\$0.2684)	(\$49,398)	1,578	(\$0.1238)	(\$195)	(\$33,973)
Sep-20	(3,304)	(\$0.2684)	\$887	1,194	(\$0.1238)	(\$148)	(\$34,712)

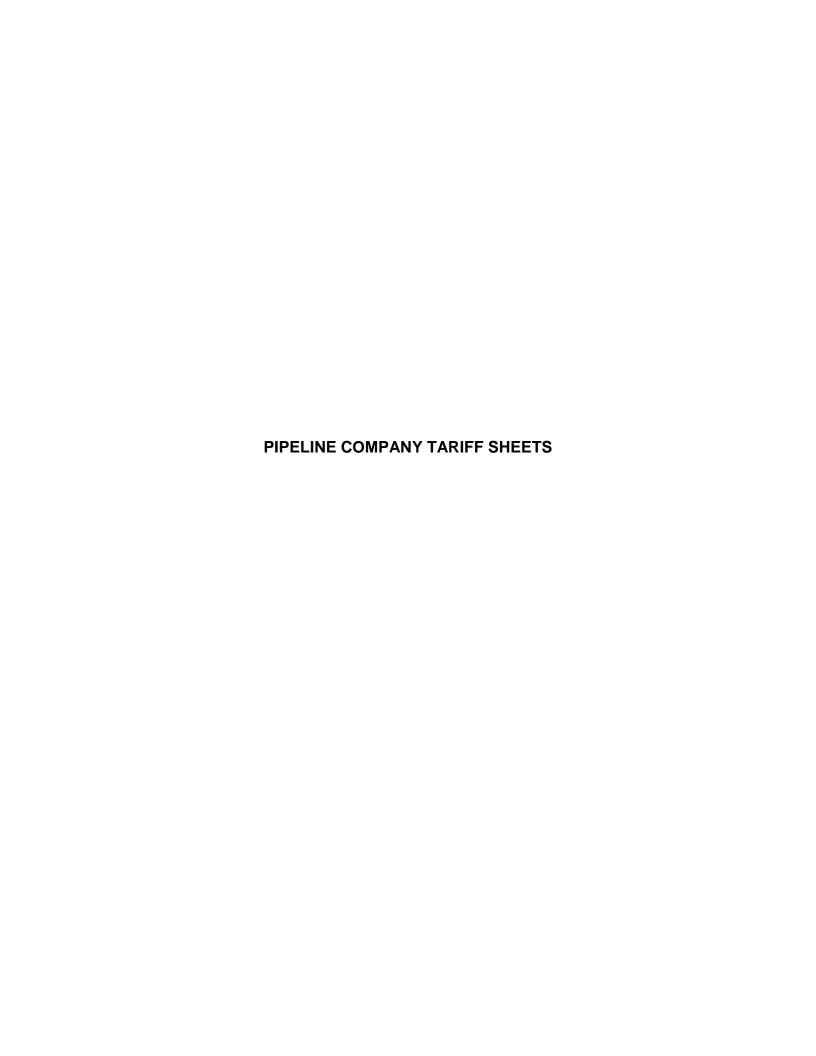
SUMMARY:

REFUND AMOUNT (2,811,680)

LESS

AMOUNT REFUNDED (2,776,967)

TOTAL REMAINING REFUND (34,712)



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

V.9. Currently Effective Rates FSS Rates Version 4.0.0

Currently Effective Rates Applicable to Rate Schedule FSS Rate Per Dth

		Base Tariff	Transportation Cost Rate Adjustment			c Power djustment	Annual Charge	Total Effective	Daily Rate
		Rate	Current	Surcharge	Current	Surcharge	Adjustment	Rate	
		1/					2/		
Rate Schedule FSS									
Reservation Charge 3	5/ \$	1.501	-	-	-	-	-	1.501	0.0493
Capacity 3/	¢	2.88	-	-	-	-	-	2.88	2.88
Injection	¢	1.53	-	-	-	-	-	1.53	1.53
Withdrawal	¢	1.53	-	-	-	-	-	1.53	1.53
Overrun 3/	¢	10.87	-	_	-	-	_	10.87	10.87

Issued On: December 29, 2014 Effective On: February 1, 2015

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

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

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

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

V.1. Currently Effective Rates FTS Rates Version 63.0.0

Currently Effective Rates Applicable to Rate Schedule FTS Rate Per Dth

	-	Base Tariff Rate 1/2/	TCRA Rates	EPCA Rates	OTRA Rates	CCRM Rates	Total Effective Rate 2/	Daily Rate 2/
Rate Schedule FTS								
Reservation Charge 3/	\$	5.903	0.235	0.084	0.039	0.790	7.051	0.2319
Commodity								
Maximum	¢	1.04	0.17	0.61	0.00	0.00	1.82	1.82
Minimum	¢	1.04	0.17	0.61	0.00	0.00	1.82	1.82
Overrun								
Maximum	¢	20.45	0.94	0.89	0.13	2.60	25.01	25.01
Minimum	¢	1.04	0.17	0.61	0.00	0.00	1.82	1.82

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

3/ Minimum reservation charge is \$0.00.

Issued On: July 1, 2020 Effective On: August 1, 2020

Columbia Gas Transmission, LLC FERC Tariff Fourth Revised Volume No. 1 V.17. Currently Effective Rates Retainage Rates Version 11.1.0

RETAINAGE PERCENTAGES

Transportation Retainage	1.686%
Gathering Retainage	5.500%
Storage Gas Loss Retainage	0.490%
Ohio Storage Gas Loss Retainage	1.220%
Columbia Processing Retainage 1/	0.000%

Issued On: March 6, 2020 Effective On: April 1, 2020

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

Columbia Gas Transmission, LLC FERC Tariff Fourth Revised Volume No. 1 V.8. Currently Effective Rates SST Rates Version 63.0.0

Currently Effective Rates Applicable to Rate Schedule SST Rate Per Dth

		Base Tariff Rate 1/2/	TCRA Rates	EPCA Rates	OTRA Rates	CCRM Rates	Total Effective Rate 2/	Daily Rate 2/
Rate Schedule SST								
Reservation Charge 3/4/	\$	5.743	0.235	0.084	0.039	0.790	6.891	0.2266
Commodity								
Maximum	¢	1.02	0.17	0.61	0.00	0.00	1.80	1.80
Minimum	¢	1.02	0.17	0.61	0.00	0.00	1.80	1.80
Overrun 4/								
Maximum	¢	19.90	0.94	0.89	0.13	2.60	24.46	24.46
Minimum	¢	1.02	0.17	0.61	0.00	0.00	1.80	1.80

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

Issued On: July 1, 2020 Effective On: August 1, 2020



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

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

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

Receipt				Deliv	ery To			
From	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	Ф Т 4 7 ГО		67.4050	CO FOCO	£40 5000	£40.0040	£45 0000	£40.4404
Res Usg-Max	\$7.4753 0.0042		\$7.1656 0.0081	\$9.5360 0.0147	\$13.5088 0.0179	\$13.3040 0.2033	\$15.0039 0.2073	\$18.4494 0.2367
	0.0042		0.0081	0.0147	0.0179	0.2033	0.2073	0.2367
Usg-Min Overrun	0.0042		0.2426	0.3263	0.4597	0.6407	0.7006	0.0300
Overruit	0.2494		0.2420	0.3203	0.4597	0.0407	0.7006	0.0432
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	040.0050		# 40.0070	# 0.0004	40.000 5	047405	AF 0070	#7 0004
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
Zono E								
Zone 5 Res	\$21.5048		\$15.1110	\$6.6468	\$8.0427	\$5.2363	\$4.9117	\$6.3942
Usq-Max	0.0284		0.0256	0.0100	φο.042 <i>1</i> 0.0118	ф3.2363 0.0573	0.0567	0.0705
Usg-Min	0.0284		0.0256	0.0100	0.0118	0.0573	0.0567	0.0705
Overrun	0.0264		0.0256	0.0100	0.0116	0.0046	0.0046	0.0066
Overruit	0.7310		0.5131	0.2211	0.2141	0.2233	0.2102	0.2000
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
	2.2 0				250			

		FT-A	ΙΤ
1\ Rates are exclusive of surcharges.	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%.

INTERRUPTIBLE TRANSPORTATION 1\

Receipt				Deliv	ery To			
From	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						
74								
Zone 1 Usq-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
USG-WIII	0.0042		0.0001	0.0147	0.0179	0.0210	0.0230	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
7								
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	φυ.2747 0.0118	0.0046	0.0046	0.0066
Usg-win	0.0264		0.0256	0.0100	0.0116	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
209	0.00.0		0.0000	0.00	0.0.00	0.0000	0.00.1	0.0020

		FUEL & LC	SS RETE	NIION PER	CENTAGE	= (F&LK) 2	١	
Receipt				Deliver	y Zone			
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%

		ELEC	CTRIC POV	VER COST	RATES (E	PCR)		
Receipt	Delivery Zo	ne			`	,		
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

RATE CARD

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

FIRM TRANSPORTATION: FT-GS 1\

Receipt				Deliv	ery To			
From	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
Zana 2								
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
O VOIT GIT	0.1000		020.	0.20	0.1000	0.0000	0.00.0	0000
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	# 4 0000		# 0.0500	# 0.0700	00.4540	000440	# 0.0000	# 0.4000
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		0.0300	0.6669	0.7352	0.5975	0.3156	0.0020
Overrull	1.0303		0.3110	0.0003	0.7332	0.5315	0.5150	0.2010

	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.

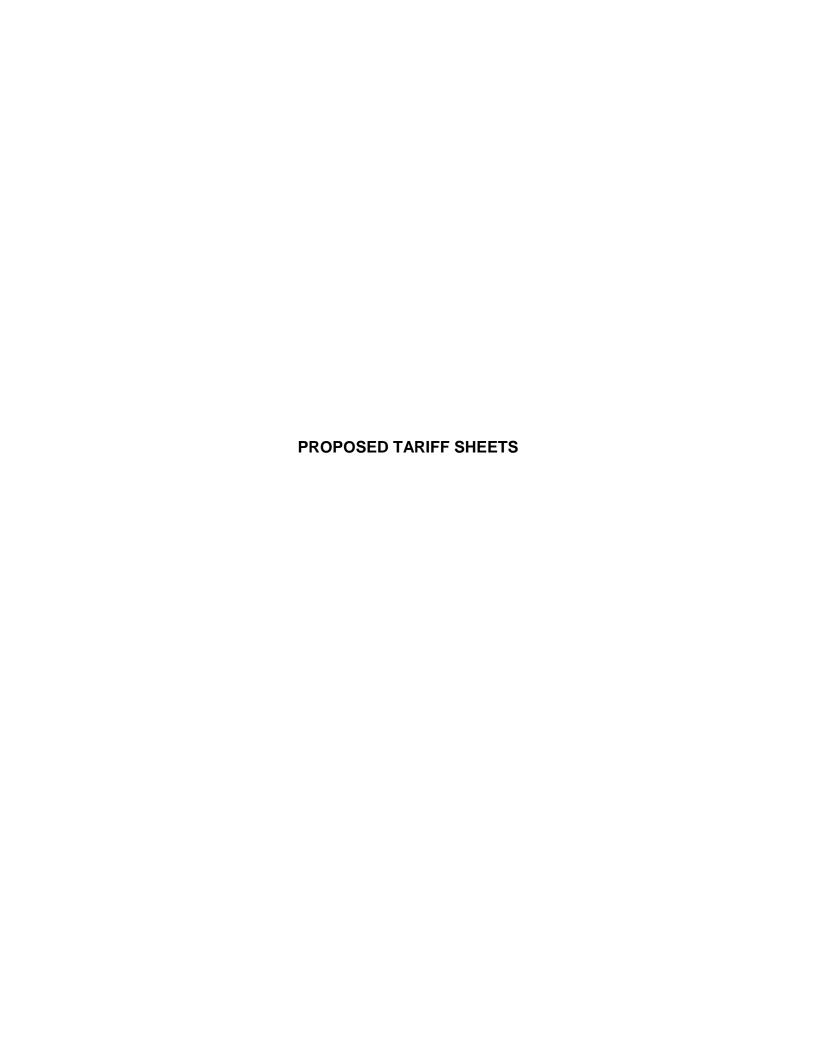
EXTENDED DELIVERY SERVICE / EXTENDED RECEIPT SERVICE 1\

Receipt				Deliv	ery To			
From	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	

		S	TORAGE	SERVICE :	2\		
	Deliverability	Capacity	Inj./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



Gas Cost Adjustment¹

Total

Billing

SALES SERVICE	<u>Charge</u> \$	<u>Demand</u> \$	Commodity \$	Rate ^{3/}	
RATE SCHEDULE GSR	·	·	·	·	
Customer Charge per billing period	16.00			16.00	
Delivery Charge per Mcf	3.5665 ^{3/}	1.4516	2.8022	7.8203	I
RATE SCHEDULE GSO Commercial or Industrial					
Customer Charge per billing period	44.69			44.69	
Delivery Charge per Mcf -					
First 50 Mcf or less per billing period	3.0181 ^{3/}	1.4516	2.8022	7.2719	- 1
Next 350 Mcf per billing period	$2.3295^{3/}$	1.4516	2.8022	6.5833	I
Next 600 Mcf per billing period	2.21433/	1.4516	2.8022	6.4681	I
Over 1,000 Mcf per billing period	2.01433/	1.4516	2.8022	6.2681	I
RATE SCHEDULE IS					
Customer Charge per billing period	2007.00			2007.00	
Delivery Charge per Mcf					
First 30,000 Mcf per billing period	$0.6285^{3/}$		$2.8022^{2/}$	3.4307	Į.
Next 70,000 Mcf per billing period	0.37373/		2.80222/	3.1759	ı
Over 100,000 Mcf per billing period	$0.3247^{3/}$		2.8022 ^{2/}	3.1269	I
Firm Service Demand Charge					
Demand Charge times Daily Firm		7 4700		7 4700	
Volume (Mcf) in Customer Service Agreement		7.1798		7.1798	•
RATE SCHEDULE IUS					
Customer Charge per billing period Delivery Charge per Mcf	567.40			567.40	
For All Volumes Delivered	1.1544 ^{3/}	1.4516	2.8022	5.4082	1

CURRENTLY EFFECTIVE BILLING RATES

Base Rate

DATE OF ISSUE October 26, 2020

DATE EFFECTIVE November 25, 2020 (Unit 1 December)

ISSUED BY /s/ Kimra H. Cole

TITLE President & Chief Operating Officer

^{1/} The Gas Cost Adjustment, as shown, is an adjustment per Mcf determined in accordance with the "Gas Cost Adjustment Clause" as set forth on Sheets 48 through 51 of this Tariff. The Gas Cost Adjustment applicable to a customer who is receiving service under Rate Schedule GS or IUS and received service under Rate Schedule SVGTS shall be 4.5816 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.

CURRENTLY EFFECTIVE BILLING RATES (Continued)

	(Continued))			
TRANSPORTATION SERVICE RATE SCHEDULE SS	Base Rate <u>Charge</u> \$	Gas Cost <u>Demand</u> \$	Adjustment ^{1/} Commodity	Total Billing <u>Rate^{3/}</u> \$	
Standby Service Demand Charge per Mcf Demand Charge times Daily Firm Volume (Mcf) in Customer Service Agreement Standby Service Commodity Charge per Mcf		7.1798	2.8022	7.1798 2.8022	I I
RATE SCHEDULE DS					
Customer Charge per billing period ^{2/} Customer Charge per billing period (GDS only) Customer Charge per billing period (IUDS only)				2007.00 44.69 567.40	
Delivery Charge per Mcf ^{2/} First 30,000 Mcf Next 70,000 Mcf Over 100,000 Mcf	0.6285 ^{3/} 0.3737 ^{3/} 0.3247 ^{3/}			0.6285 0.3737 0.3247	
 Grandfathered Delivery Service First 50 Mcf or less per billing period Next 350 Mcf per billing period Next 600 Mcf per billing period All Over 1,000 Mcf per billing period 				3.0181 ^{3/} 2.3295 ^{3/} 2.2143 ^{3/} 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	
RATE SCHEDULE MLDS					
Customer Charge per billing period Delivery Charge per Mcf Banking and Balancing Service				255.90 0.0858	
Rate per Mcf	0.	.0216		0.0216	

^{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.

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ISSUED BY /s/ Kimra H. Cole

TITLE President & Chief Operating Officer

^{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.

CURRENTLY EFFECTIVE BILLING RATES (Continued)

RATE SCHEDULE SVGTS		Base Rate Charge
General Service Residential (SGVTS GSR)		\$
Customer Charge per billing period Delivery Charge per Mcf		16.00 3.5665 ^{2/}
General Service Other - Commercial or Industrial (SVG	GTS GSO)	
Customer Charge per billing period Delivery Charge per Mcf -		44.69
First 50 Mcf or less per billing period Next 350 Mcf per billing period Next 600 Mcf per billing period Over 1,000 Mcf per billing period		$3.0181^{2/}$ $2.3295^{2/}$ $2.2143^{2/}$ $2.0143^{2/}$
Intrastate Utility Service		
Customer Charge per billing period Delivery Charge per Mcf		567.40 \$ 1.1544 ^{2/}
	Billing Rate	
Actual Gas Cost Adjustment 1/		
For all volumes per billing period per Mcf	\$(0.4698)	R
RATE SCHEDULE SVAS		
Balancing Charge – per Mcf	\$1.1003	R

^{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.

DATE OF ISSUE October 26, 2020

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ISSUED BY /s/ Kimra H. Cole

TITLE President & Chief Operating Officer

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