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December 11, 2018

VIA ELECTRONIC FILING

Rosemary Chiavetta
Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17120-3265

Re: Supplement No. 282 to Columbia Gas of Pennsylvania, Inc. Tariff Gas
Pa. P.U.C. No. 9; Dockets Nos. R-2018-2647577, et al.

Dear Secretary Chiavetta:

Submitted herewith for filing on behalf of Columbia Gas of Pennsylvania, Inc. ("Columbia") is Supplement No. 282 to Tariff Gas Pa. P.U.C. No. 9 ("Supplement No. 282"). Supplement No. 282, issued December 11, 2018, to be effective December 16, 2018, is being filed in compliance with the Commission's Order entered December 6, 2018 in Columbia's base rate proceeding at Docket Nos. R-2018-2647577, et al.

Columbia notes that the compliance filing provided herewith reflects updates to rates set forth in the form of tariff that was provided as Appendix C to the Joint Petition for Settlement which reflect intervening changes in purchased gas cost rates and Rider USP – Universal Service Program rates that were effective with the quarter beginning October 1, 2018. These changes are reflected in the Gas Supply Charge, the Gas Cost Adjustment and the Pass through Charge in the compliance tariff. These changes also result in a recalculation of the Merchant Function Charge and the Price to Compare. Attachments A, B and C to this letter are provided in support of the Rider PGC, Rider USP and Rider MFC rates as stated in Supplement No. 282.

In addition, the Distribution System Improvement Charge ("Rider DSIC") is reduced to 0.0% from the currently effective 3.28% on Sixth Revised Page No. 177 of Supplement No. 282.

If you have any questions concerning this matter, you may contact me or Columbia's outside counsel, Michael W. Hassell, at Post & Schell PC, 17 North Second Street, Harrisburg, PA 17101-1601, (717) 612-6029.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Theodore J. Gallagher". The signature is fluid and cursive, with a large initial "T" and "G".

Theodore J. Gallagher

Enclosures

Cc: Certificate of Service (w/enc.)

CERTIFICATE OF SERVICE

I hereby certify that true and correct copies of the foregoing have been served upon the following persons, in the manner indicated, in accordance with the requirements of § 1.54 (relating to service by a participant).

VIA E-MAIL AND FIRST CLASS MAIL

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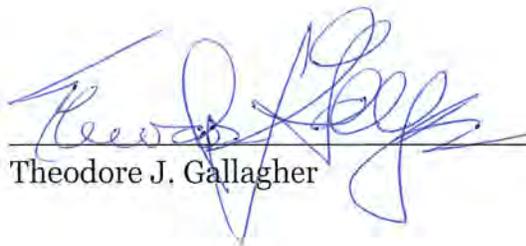
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Dated: 12/11/18


Theodore J. Gallagher

COLUMBIA GAS OF PENNSYLVANIA, INC.

121 Champion Way, Suite 100

Canonsburg, Pennsylvania

RATES AND RULES

FOR

FURNISHING GAS SERVICE

IN

THE TERRITORY AS DESCRIBED HEREIN

ISSUED: December 11, 2018

EFFECTIVE: December 16, 2018

ISSUED BY: M. A. HUWAR, PRESIDENT
121 CHAMPION WAY, SUITE 100
CANONSBURG, PENNSYLVANIA 15317

NOTICE

This Tariff Supplement Makes Changes to the Existing Tariff - See List of Changes Made by This Tariff Supplement on Page Nos. 2 and 2a.

LIST OF CHANGES MADE BY THIS TARIFF SUPPLEMENT

Page	Page Description	Revision Description
Cover	Tariff Cover Page	Supplement No., Issue and Effective Date.
2 – 2a	List of Changes	List of Changes.
7	Description of Territory	Added "Venango Township" under "Butler County".
15	Rates Available Under This Tariff	Deleted item number 6 under "Rate SGDS – Small General Distribution Service".
16	Rate Summary	The Usage Charge increased. The Gas Supply Charge decreased. The DSIC decreased to \$0. The Federal Tax Adjustment Credit was added.
17	Rate Summary	The Customer Charge increased for annual throughput < 6,440 therms. The Usage Charge increased. The Gas Supply Charge decreased. The DSIC decreased to \$0. The Federal Tax Adjustment Credit was added.
18	Rate Summary	The Usage Charge increased. The DSIC decreased to \$0. The Federal Tax Adjustment Credit was added.
19	Rate Summary	The DSIC decreased to \$0. The Federal Tax Adjustment Credit (FTAC) was added.
20	Other Rates Summary	The Price to Compare decreased. The Federal Tax Adjustment Credit (FTAC) was added.
21	Rider Summary	The DSIC decreased to 0%. The Merchant Function Charge decreased.
21a	Gas Supply Charge Summary	The Rider MFC decreased.
21b	Pass-through Charges	Changes to page header and footer.
21c	Price-to-Compare	The Rider MFC decreased.
26	Definitions	Revised the definition of "Medical Certificate".

Columbia Gas of Pennsylvania, Inc.

LIST OF CHANGES MADE BY THIS TARIFF SUPPLEMENT

Page	Page Description	Revision Description
41	4. Customer Installations	Format change to subparagraph 4.9.1.
56	14. Customer's Use of Service	Revised paragraph 14.1 – Precautions to be Taken by Customer. Corrected a misspelling in paragraph 14.4 Liability for Damages.
60	17. Payment Terms	Revised paragraph 17.2 Payment Period.
61	17. Payment Terms	Added paragraph 17.7 Budget Billing.
89	Rate SGDS	Deleted item number 6 under "Availability".
137	Rate DGDS	Corrected the last sentence in the first paragraph of "Availability".
152	Rider PGC	Added a paragraph to the "Computation of Purchased Gas Commodity Costs per Thm".
154	Rider PGC	Added a paragraph to the "Computation of Purchased Gas Demand Costs per Thm".
157	Purchased Gas Cost Rider	Revised the description of "Maximum Daily Quantity".
161	Rider MFC	The Merchant Function Charge percentages have decreased.
162	Rider WNA	Revised the applicable period and revised the deadband.
163	Rider WNA	Revised subparagraph "(i)".
164	Federal Tax Adjustment Credit	All new text.
169	Full Balancing Service	Revised the Bank Balance Transfer fee.
170	Full Balancing Service	Revised the Gas Transfer fee.
177	Rider DSIC	Revised the DSIC percentage.
202	RADS 3.3 Character of Service to be Rendered	Added "winter" to paragraph 3.3.1.
205	RADS 3.6 Seasonal Flow Orders (SFOs)	Corrected reference reflecting "Paragraph 2" to "Paragraph 3".
207	Rules Applicable Only to General Distribution Service	Revised the OFO penalty calculation.
208	Rules Applicable Only to General Distribution Service	Revised the OMO penalty calculation.

DESCRIPTION OF TERRITORY

ADAMS COUNTY

Abbottstown
 Arendtsville
 Aspers
 Bendersville
 Berwick Township
 Biglerville
 Butler Township
 Caledonia
 Cashtown
 Conewago Township*
 Cumberland Township
 East Berlin
 Fairfield
 Fayetteville
 Franklin Township
 Freedom Township
 Germany Township
 Gettysburg
 Hamilton Township
 Hamiltonban Township
 Hemptom
 Littlestown
 McSherrystown*
 Menallen Township
 Mt. Joy Township
 Mt. Pleasant Township
 New Oxford
 Oxford Township
 Reading Township
 Strabane Township
 Table Rock
 Two Taverns
 Tyrone Township
 Union Township

ALLEGHENY COUNTY

The Company is certified to serve in all cities, boroughs and townships in Allegheny County.

ARMSTRONG COUNTY

Distant
 Hovey Township
 Madison Township
 Mahoning Township
 McWilliams
 New Salem
 Oakland
 Oak Ridge
 Parker City
 Perry Township
 Red Bank Township
 South Bethlehem

BEAVER COUNTY

The Company is certified in serve in all cities, boroughs and townships in Beaver County.

BEDFORD COUNTY

Cumberland Valley Township
 Londonderry Township
 Mann Township
 Southampton Township
 State Line

BUTLER COUNTY

Adams Township
 Allegheny Township
 Annandale
 Annisville
 Brady Township
 Bruin
 Center Township
 Cherry Township
 Clay Township
 Concord Township
 Cranberry Township

**BUTLER COUNTY
 (continued)**

Criders Corners
 Deegan
 Eau Claire
 Fairview
 Fairview Township
 Fallowfield Township
 Forestville
 Franklin Township
 Harrisville
 Karns City **
 Marion Township
 Mercer Township
 Muddy Creek Township
 North Washington
 Parker Township
 Slippery Rock Township
 Valencia
 Valencia Township
 Venango Township
 Washington Township
 West Liberty
 Wick
 Worth Township

CENTRE COUNTY ***

Bellefonte
 Benner Township
 Boggs Township
 Burnside Township
 College Township
 Ferguson Township
 Harris Township
 Patton Township
 Potter Township
 Snow Shoe Township
 Spring Township
 State College
 Union Township

(C)

* Territory formerly served under Tariff Gas-Pa. P.U.C. No. 7.

** Limited to industrial service to Permanent Service Identification (PSID) 400473084.

*** Territory formerly served under Tariff Gas-Pa. P.U.C. No. 6.

(C) Indicates Change

RATES AVAILABLE UNDER THIS TARIFF (Continued)

Rate SGDS - Small General Distribution Service (pp. 89-92)

Available, at one location, for the total requirements of any commercial or industrial customer meeting all of the following conditions:

1. The Customer's total annual throughput requirements, as determined under the Customer Charge provisions are less than or equal to 64,400 thm annually.
2. The Customer does not take service under any other rate schedule except Rate SS – Standby Service.
3. Customer acquires its own gas and executes an application and agreement with the Company, as specified in the Rules Applicable to Distribution Service section of this Tariff, for a period of not less than one (1) year for distribution service in accordance with all terms and conditions of such contract.
4. The customer is a member of an aggregation group pursuant to the provisions of the Rules Applicable to Distribution Service.
5. Priority One customers, as defined in the Service Limitations section of this tariff, must buy distribution service at the Priority One distribution rate, which includes recovery of purchased gas demand costs pursuant to the Purchased Gas Cost Rider as set forth in this tariff. All other SGDS customers wishing to contract for standby service may execute a contract for service under Rate SS - Standby Service.

Rate SGSS - Small General Sales Service (pp. 86-88)

This rate schedule is available, at one location, for the total requirements of any commercial or industrial customer whose total throughput requirements are less than or equal to 64,400 thm annually and who does not contract for distribution service.

Rate SS - Standby Service (pp. 134-136)

Available to any qualified customer receiving General Distribution Service or Negotiated Sales Service who executes a contract with the Company for service under this rate schedule for a period of not less than one (1) year.

(C) Indicates Change

Issued: December 11, 2018

M. A. Huwar
President

Effective: December 16, 2018

Rate Summary

Residential Rate Schedules	Rate per ftm							
	Distribution Charge	Gas Supply Charge	Gas Cost Adjustment	Pass-Through Charge	State Tax Adjustment Surcharge	Distribution System Improvement Charge (DSIC)	Federal Tax Adjustment Credit (FTAC)	Total Effective Rate
	1/	2/	3/	4/	5/			
Rate RSS - Residential Sales Service								
Customer Charge	\$ 16.75						(0.61)	16.14
Usage Charge	\$ 0.60763	0.29540	(0.00760)	0.20949	0.00000	0.00000	(0.02196)	1.08296
Rate RDS - Residential Distribution Service								
Customer Charge	\$ 16.75						(0.61)	16.14
Usage Charge:								
Customers Electing CHOICE	\$ 0.60763	-	-	0.17965	0.00000	0.00000	(0.02196)	0.76532

1/ Please see Page No. 21a for rate components.
 2/ Please see Page No. 21b for rate components.
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 4/ The DSIC percentage is reflected on Page No. 21 and is applied to the Customer Charge and the Distribution Charge.
 5/ The FTAC percentage is reflected on Page No. 20 and is applied to the Customer Charge and the Distribution Charge.

Issued: December 11, 2018 Effective: December 16, 2018

M. A. Huwar - President

		Rate Summary							Total Effective Rate
		Rate per thm							
Commercial / Industrial Rate Schedules	Gas Supply Charge	Distribution Charge	Gas Cost Adjustment	Pass-through Charge	State Tax Adjustment Surcharge	Distribution System Improvement Charge (DSIC)	Federal Tax Adjustment Credit (FTAC)		
<= 64,400 therms - 12 Months Ending October	1/	2/	3/	4/	5/	6/	7/		
Rate SCSS - Small General Sales Service									
Customer Charge:									
Annual Throughput <= 6,440 thm	\$ 22.75	\$ 48.00			0.00	0.00	(0.82)	21.93	
Annual Throughput > 6,440 thm and <= 64,400 thm	\$ 48.00				0.00	0.00	(1.73)	46.27	
Usage Charge									
Annual Throughput <= 6,440 thm	\$ 0.44145	\$ 0.37912	(0.00760)	0.10846	0.00000	0.00000	(0.01595)	0.81861	
Annual Throughput > 6,440 thm and <= 64,400 thm	\$ 0.37912	\$ 0.29225	(0.00760)	0.10846	0.00000	0.00000	(0.01370)	0.75853	
Rate SCD - Small Commercial Distribution									
Customer Charge:									
Annual Throughput <= 6,440 thm	\$ 22.75	\$ 48.00			0.00	0.00	(0.82)	21.93	
Annual Throughput > 6,440 thm and <= 64,400 thm	\$ 48.00				0.00	0.00	(1.73)	46.27	
Usage Charge: Customers Electing CHOICE									
Annual Throughput <= 6,440 thm	\$ 0.44145	\$ 0.37912	-	0.07862	0.00000	0.00000	(0.01595)	0.50412	
Annual Throughput > 6,440 and <= 64,400 thm	\$ 0.37912	-	-	0.07862	0.00000	0.00000	(0.01370)	0.44404	
Rate SGDS - Small General Distribution Service									
Customer Charge:									
Annual Throughput <= 6,440 thm	\$ 22.75	\$ 48.00			0.00	0.00	(0.82)	21.93	
Annual Throughput > 6,440 thm and <= 64,400 thm	\$ 48.00				0.00	0.00	(1.73)	46.27	
Usage Charge - Priority One									
Annual Throughput <= 6,440 thm	\$ 0.42925	\$ 0.36691	-	0.10846	0.00000	0.00000	(0.01551)	0.52220	
Annual Throughput > 6,440 thm and <= 64,400 thm	\$ 0.36691	-	-	0.10846	0.00000	0.00000	(0.01326)	0.46211	
Usage Charge - Non-Priority One									
Annual Throughput <= 6,440 thm	\$ 0.42925	\$ 0.36691	-	0.00010	0.00000	0.00000	(0.01551)	0.41384	
Annual Throughput > 6,440 and <= 64,400 thm	\$ 0.36691	-	-	0.00010	0.00000	0.00000	(0.01326)	0.35375	

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 5/ The FTAC percentage is reflected on Page No. 20 and is applied to the Customer Charge and the Distribution Charge.
 6/ Plus Rider EBS Option 1 or 2 - See Page 21.

Rate Summary									
Rate per thm									
	Distribution Charge	Gas Supply Charge	Gas Cost Adjustment	Pass-through Charge	State Tax Adjustment Surcharge	Distribution System Improvement Charge (DSIC)	Federal Tax Adjustment Credit (FTAC)	Total Effective Rate	
	1/	2/	3/	4/	5/	6/	7/	8/	9/
Rate LGSS - Large General Sales Service									
Customer Charge:									
Annual Throughput > 64,400 thm and <= 110,000 thm	\$ 229.75	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00945)	221.45	6/
Annual Throughput > 110,000 thm and <= 540,000 thm	\$ 757.34	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00883)	729.97	6/
Annual Throughput > 540,000 thm and <= 1,074,000 thm	\$ 1,947.06	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00511)	1,876.69	6/
Annual Throughput > 1,074,000 thm and <= 3,400,000 thm	\$ 3,028.76	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00453)	2,919.30	6/
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 5,841.18	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00407)	5,630.08	6/
Annual Throughput > 7,500,000 thm	\$ 8,653.60	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00242)	8,340.86	6/
Usage Charge:									
Annual Throughput > 64,400 thm and <= 110,000 thm	\$ 0.26138	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00945)	0.64410	6/
Annual Throughput > 110,000 thm and <= 540,000 thm	\$ 0.24437	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00883)	0.62771	6/
Annual Throughput > 540,000 thm and <= 1,074,000 thm	\$ 0.14131	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00511)	0.52837	6/
Annual Throughput > 1,074,000 thm and <= 3,400,000 thm	\$ 0.12535	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00453)	0.51299	6/
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 0.11249	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00407)	0.50059	6/
Annual Throughput > 7,500,000 thm	\$ 0.06693	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00242)	0.45668	6/
Rate SDS - Small Distribution Service									
Customer Charge:									
Annual Throughput > 64,400 thm and <= 110,000 thm	\$ 229.75	-	-	-	0.00000	0.00000	(8.30)	221.45	6/
Annual Throughput > 110,000 thm and <= 540,000 thm	\$ 757.34	-	-	-	0.00000	0.00000	(27.37)	729.97	6/
Usage Charge:									
Annual Throughput > 64,400 thm and <= 110,000 thm	\$ 0.26138	-	-	-	0.00000	0.00000	(0.00945)	0.25193	6/
Annual Throughput > 110,000 thm and <= 540,000 thm	\$ 0.24437	-	-	-	0.00000	0.00000	(0.00883)	0.23554	6/
Rate LDS - Large Distribution Service									
Customer Charge:									
Annual Throughput > 540,000 thm and <= 1,074,000 thm	\$ 1,947.06	-	-	-	0.00000	0.00000	(70.37)	1,876.69	6/
Annual Throughput > 1,074,000 thm and <= 3,400,000 thm	\$ 3,028.76	-	-	-	0.00000	0.00000	(109.46)	2,919.30	6/
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 5,841.18	-	-	-	0.00000	0.00000	(211.10)	5,630.08	6/
Annual Throughput > 7,500,000 thm	\$ 8,653.60	-	-	-	0.00000	0.00000	(312.74)	8,340.86	6/
Usage Charge:									
Annual Throughput > 540,000 thm and <= 1,074,000 thm	\$ 0.14131	-	-	-	0.00000	0.00000	(0.00511)	0.13620	6/
Annual Throughput > 1,074,000 thm and <= 3,400,000 thm	\$ 0.12535	-	-	-	0.00000	0.00000	(0.00453)	0.12082	6/
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 0.11249	-	-	-	0.00000	0.00000	(0.00407)	0.10842	6/
Annual Throughput > 7,500,000 thm	\$ 0.06693	-	-	-	0.00000	0.00000	(0.00242)	0.06451	6/

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 6/ Plus Rider EBS Option 1 or 2 - See Page 21.

Rate Summary										
Rate per thm										
Main Line Service Rate Schedules Commercial / Industrial	Distribution Charge	Gas Supply Charge	Gas Cost Adjustment	Pass-through Charge	State Tax Adjustment Surcharge	Distribution System Improvement Charge (DSIC)	Federal Tax Adjustment Credit (FTAC)	Total Effective Rate		
	1/	2/	3/	4/	5/	6/	7/	8/	9/	10/
Rate MLSS - Main Line Sales Service										
Customer Charge:										
Annual Throughput > 274,000 thm and <= 540,000 thm	\$ 469.34				0.00	0.00	(16.96)	452.38		
Annual Throughput > 540,000 thm and <= 1,074,000 thm	\$ 1,149.00				0.00	0.00	(41.52)	1,107.48		
Annual Throughput > 1,074,000 thm and <= 3,400,000 thm	\$ 2,050.00				0.00	0.00	(74.09)	1,975.91		
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 4,096.00				0.00	0.00	(148.03)	3,947.97		
Annual Throughput > 7,500,000 thm	\$ 7,322.00				0.00	0.00	(264.62)	7,057.38		
Usage Charge:										
MLS Class I Annual Throughput > 274,000 thm	\$ 0.00937	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00034)	0.40120		
MLS Class II:										
Annual Throughput > 2,146,000 thm and <= 3,400,000 thm	\$ 0.04479	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00162)	0.43534		
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 0.03874	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00140)	0.42951		
Annual Throughput > 7,500,000 thm	\$ 0.03355	0.29141	(0.00760)	0.10836	0.00000	0.00000	(0.00121)	0.42451		
Rate MLDS - Main Line Distribution Service										
Customer Charge:										
Annual Throughput > 274,000 thm and <= 540,000 thm	\$ 469.34				0.00	0.00	(16.96)	452.38		
Annual Throughput > 540,000 thm and <= 1,074,000 thm	\$ 1,149.00				0.00	0.00	(41.52)	1,107.48		
Annual Throughput > 1,074,000 thm and <= 3,400,000 thm	\$ 2,050.00				0.00	0.00	(74.09)	1,975.91		
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 4,096.00				0.00	0.00	(148.03)	3,947.97		
Annual Throughput > 7,500,000 thm	\$ 7,322.00				0.00	0.00	(264.62)	7,057.38		
Usage Charge:										
MLS Class I Annual Throughput > 274,000 thm	\$ 0.00937	-	-	-	0.00000	0.00000	(0.00034)	0.00903	6/	
MLS Class II:										
Annual Throughput > 2,146,000 thm and <= 3,400,000 thm	\$ 0.04479	-	-	-	0.00000	0.00000	(0.00162)	0.04317	6/	
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 0.03874	-	-	-	0.00000	0.00000	(0.00140)	0.03734	6/	
Annual Throughput > 7,500,000 thm	\$ 0.03355	-	-	-	0.00000	0.00000	(0.00121)	0.03234	6/	

1/ Please see Page No. 21a for rate components.
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 6/ Plus Rider EBS Option 1 or 2 - See Page 21.

Columbia Gas of Pennsylvania, Inc.

Other Rates Summary

Description	Rate per thm		Applicable Rate Schedules
	Rate	\$/ thm	
Penalty Credit/Pipeline Refund Passback - Non-Residential	\$	(0.00314) 1/	SGSS/SGDS-P1/SCD/LGSS/MLSS
Price to Compare for Residential Gas Supply	\$	0.31764 2/	RSS
Price to Compare for Commercial Gas Supply	\$	0.31449 2/	SGSS (< = 64,400 thms)
State Tax Adjustment Surcharge Percentage		0.000%	Customer and Distribution Charges on all rates
Federal Tax Adjustment Credit (FTAC)		-3.614%	Customer and Distribution Charges on all rates
Rate SS - Standby Service	\$	0.76839	Per thm based on a customer's Maximum Daily Firm Requirement. See Pages 134 - 136 herein for detail.

1/ Penalty Credit and Pipeline Refund passback effective April 2018-March 2019.

2/ Please see Page No. 21c for rate components.

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Columbia Gas of Pennsylvania, Inc.

Canceling One Hundred thirtieth and One Hundred thirty-ninth Revised Page No. 21
Rider Summary

Riders	Rate	Applicable Rate Schedules
Customer Choice - Rider CC	\$ 0.00010 /thm	RSS/RDS/SGSS/SGDS/SCD/DGDS
Universal Service Plan - Rider USP	\$ 0.09789 /thm	RSS/RDS
Distribution System Improvement Charge - Rider DSIC	0.00%	This percentage is applied to the Distribution Charge and the Customer Charge. See Pages 177-180 for Rider DSIC details.
Elective Balancing Service - Rider EBS:		
Option 1 - Small Customer	\$ 0.01472 /thm	SGDS/SDS
Option 1 - Large Customer	\$ 0.00767 /thm	LDS/MLDS
Option 2 - Small Customer	\$ 0.00697 /thm	SGDS/SDS
Option 2 - Large Customer	\$ 0.00226 /thm	LDS/MLDS
Gas Procurement Charge - Rider GPC	\$ 0.00695 /thm	RSS/SGSS/LGSS/MLSS
Merchant Function Charge - Rider MFC	\$ 0.00399 /thm	RSS
Merchant Function Charge - Rider MFC	\$ 0.00084 /thm	SGSS
Purchased Gas Cost - Rider PGC	Pg. 21a & 21b	Rate Schedules specified on Page 21a & 21b

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Columbia Gas of Pennsylvania, Inc.

Gas Supply Charge Summary

Rate per thm

Rate Schedule	PGCC	Rider GPC	Rider MFC	Total Gas Supply Charge
Rate CAP - Customer Assistance Plan	\$ 0.28446	0.00695	0.00399	0.29540
Rate RSS - Residential Sales Service	\$ 0.28446	0.00695	0.00399	0.29540
Rate SGSS - Small General Sales Service	\$ 0.28446	0.00695	0.00084	0.29225
Rate LGSS - Large General Sales Service	\$ 0.28446	0.00695	-	0.29141
Rate MLSS - Main Line Sales Service	\$ 0.28446	0.00695	-	0.29141

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Columbia Gas of Pennsylvania, Inc.

Pass-through Charge Summary

Rate Schedule	Rate per thm						
	PGDC	PGDC "E" Factor	Capacity Assignment Factor	Pipeline Refund/ Penalty Credits	Rider CC	Rider USP	Total Pass-through
Rate CAP - Customer Assistance Plan	\$ 0.11361	(0.00211)	-	-	-	-	0.11150
Rate RSS - Residential Sales Service	\$ 0.11361	(0.00211)	-	-	0.00010	0.09789	0.20949
Rate SGSS - Small General Sales Service	\$ 0.11361	(0.00211)	-	(0.00314)	0.00010	-	0.10846
Rate LGSS - Large General Sales Service	\$ 0.11361	(0.00211)	-	(0.00314)	-	-	0.10836
Rate MLSS - Main Line Sales Service	\$ 0.11361	(0.00211)	-	(0.00314)	-	-	0.10836
Rate RDS - Residential Distribution Service	\$ 0.11361	(0.00211)	(0.02984)	-	0.00010	0.09789	0.17965
Rate SCD - Small Commercial Distribution (Choice)	\$ 0.11361	(0.00211)	(0.02984)	-	0.00010	-	0.07862
Rate SGDS - Small General Distribution Service Priority One (P1) Non-Priority One (NP1)	\$ 0.11361	(0.00211)	-	(0.00314)	0.00010	-	0.10846
Rate SDS - Small Distribution Service	\$ -	-	-	-	-	-	-
Rate LDS - Large Distribution Service	\$ -	-	-	-	-	-	-
Rate MLDS - Main Line Distribution Service	\$ -	-	-	-	-	-	-

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Columbia Gas of Pennsylvania, Inc.

Customer Class	Price-to-Compare (PTC) Summary						Total Price-to- Compare
	PGCC	Gas Cost Adjustment	Capacity Assignment Factor	Rider GPC	Rider MFC	Rate per thm	
Residential	\$ 0.28446	(0.00760)	0.02984	0.00695	0.00399	0.31764	
Commercial < = 64,400 thm/year	\$ 0.28446	(0.00760)	0.02984	0.00695	0.00084	0.31449	

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**RULES AND REGULATIONS GOVERNING THE
DISTRIBUTION AND SALE OF GAS (Continued)**

1. The Gas Tariff - continued

1.6 Definitions - continued

29. Industrial Customer

A customer using gas for creating or changing raw or unfinished material into another form or product through the application of heat or heat treating, steam agitation, evaporation, baking, drying, distilling, etc.

Typical industrial users are manufacturing plants, machine shops, steel and iron mills, foundries, lumber planing and saw mills, canneries, dairies, meat packers, breweries, distilleries, potteries, railroad repair shops, refineries, creameries, flour mills, pump stations, ice plants, quarries, milk plants, mines, shipbuilders, chemical plants, grain elevators, food processing facilities, petrochemical operations in which the gas is the raw material, etc. If gas service is supplied through a single meter and is used for both industrial and commercial purposes, the service shall be considered industrial if the industrial usage is the predominant usage factor.

30. "Local Market Area" shall mean a continuous physically interconnected system of Company owned distribution piping through which the Company provides natural gas service to customers in a discrete geographic area, utilizing one or more common Points of Delivery from interstate pipeline supplier(s) or local gas supplier(s).

31. "Maximum Daily Quantity" or "MDQ" shall mean a Customer's maximum usage during a 24-hour period based on the most recent historical Customer consumption data. The Company will establish a winter MDQ for the November through March time period and a summer MDQ for the April through October time period. However, an adjustment may be made at any time upon agreement of the Customer and the Company.

32. "Mcf" shall mean one thousand (1,000) cubic feet of gas.

33. "Month" shall mean calendar month.

34. "Medical Certificate" shall mean a written document: 1) certifying that a customer or member of the customer's household is seriously ill or has been diagnosed with a medical condition which requires the continuation of service to treat the medical condition; and 2) signed by a licensed physician, nurse practitioner or physician's assistant. (C)

35. "Pass-through Charge" shall mean the charge that appears as a line item on a residential, commercial and industrial bill for an account served pursuant to Rate Schedules CAP, RDS, RSS, SGSS, SCD, SGDS, LGSS, MLSS and PS. Pass-through Charges may include: 1) the Purchased Gas Demand Charge ("PGDC"); 2) the PGDC "E" Factor; 3) the Capacity Assignment Factor ("CAF"); 4) the Rider Customer Choice charge ("Rider CC"); and 5) the Rider Universal Service Plan charge ("Rider USP").

(C) Indicates Change

**RULES AND REGULATIONS GOVERNING THE
DISTRIBUTION AND SALE OF GAS (Continued)**

4. Customer's Installations – Continued

4.8 Temporary Service

The customer shall pay the cost for all material, labor and all other necessary expense incurred by the Company in supplying gas service to the customer for any temporary purpose or use, and shall pay the cost of removing material after service is discontinued, in addition to the regular payments for gas used. The Company will credit the customer with the reasonable salvage value of any material recovered.

4.9 Service Lines

- 4.9.1 The customer shall install at his expense the service line to the point of connection designated by the Company. (See Rule 8.1 Service Connections)
- 4.9.2 The service line to be installed by the customer shall be in accordance with the Company's requirements as to diameter. All material and construction must be of a quality accepted by the best gas fitting practices, and must conform with the Company's Rules and Regulations governing the installation of service lines.
- 4.9.3 In those cases where the service connection of the Company has been installed, the customer shall connect the service line installed by him to the service connection of the Company in a manner required by the Company. In those cases where the service connection of the Company has not been installed, the Company shall connect the service line installed by the customer to the service connection of the Company.
- 4.9.4 When feasible and practical to do so, a building may not have more than one service line. No additional tap or service lines shall be made or meter set for gas service to a garage, or other building on any lot where there already exists a service line to the residence or main building of the customer.
- 4.9.5 When feasible and practical to do so, a service line must terminate at the inlet valve of the meter set in the building in which the service line enters.
- 4.9.6 When feasible and practical to do so, the customer's service line must be installed in a straight line perpendicular to the main.

4.10 Regulators

Except as otherwise provided herein, the pressure of gas flowing into a customer's meter shall be controlled by a device owned by the Company and referred to as a regulator. The Company shall determine the type and size of the regulator as well as procure, install and maintain the regulator. The Company may from time to time change or alter the regulator to ensure adequate pressure to serve the customer.

In rural areas, where gas service is obtained from a high pressure line, the necessary regulator or regulators and safety devices required to reduce the pressure from the maximum pressure at the high pressure line to a suitable utilization pressure are to be installed at the customer's expense.

(C) Indicates Change

**RULES AND REGULATIONS GOVERNING THE
DISTRIBUTION AND SALE OF GAS (Continued)**

14. Customer's Use of Service

14.1 Precautions to be Taken by Customer

A customer shall take due care to prevent any waste of gas. The responsibility of detection of defects and leaks on the customer's premises, and in the service line when owned by the customer (See the "Service Connections" paragraph under Rule 8. Extensions of this tariff), is upon the customer. Defects among other things shall mean failure or deficiency of gas, irregular supply, leakage and excessive pressure. In case of detection of any defect within his premises, the customer shall immediately vacate the premises and then, immediately thereafter, notify the Company so that the conditions existing may receive prompt and proper attention. When gas has been shut off because of a leak in house lines or fixtures or other hazardous conditions of service, it shall not be turned on again until such leak or other hazardous conditions have been repaired and made safe either by a competent plumber or gas-fitter.

(C)

14.2 Sale of Gas by Customer

The customer shall not sell gas purchased by him from the Company to other occupants of the premises or to other premises without the written permission of the Company.

14.3 Fluctuations

Gas service must not be used in such a manner as to cause unusual fluctuations or disturbances in the Company's supply system, and in the case of a violation of this rule, the Company may discontinue service or require the customer to modify his installation and/or equip it with approved controlling devices.

14.4 Liability for Damages

In the absence of proof of causal negligence, the Company shall not be liable for any injury to persons or damage to property arising or accruing in any manner whatsoever from the use of gas.

14.5 Residential Appliance Efficiency Information

The Company shall maintain a list of the names and telephone numbers of the major manufacturers of residential gas appliances. Upon request from a customer, which can come via e-mail (cpacustserv@nisource.com), letter, or phone call, the Company will provide the customer with a particular manufacturer's telephone number and address so that the customer may contact the manufacturer directly for energy efficiency information.

(C) Indicates Change

**RULES AND REGULATIONS GOVERNING THE
DISTRIBUTION AND SALE OF GAS (Continued)**

17. Payment Terms

17.1 Billing Period

Bills for service to all customers will be rendered monthly at the rates set forth from time to time in the Company's then effective Tariff on file with the Pennsylvania Public Utility Commission.

The Company will offer each customer participating in the Choice program, the option of a consolidated bill by the Company which contains the NGS charges in a format that complies with the Commission's Customer Information and Disclosure Guidelines. If the NGS provides billing services for its charges, the customer can choose to receive one bill containing only the Company's charges and a second bill from the NGS containing only the NGS's charges. The conditions under which the Company will exchange data with the NGS to effectuate either of these billing options is set forth in more detail in the Rules Applicable to Distribution Service.

17.2 Payment Period

Bills are due upon transmittal and payment may be made by the customer by mailing a check to the address for payment designated on the bills, or at a Columbia authorized collection agency, or any other method designated by the Company. The final date for payment will not fall on a Saturday, Sunday or holiday, and will be at least twenty (20) days after transmittal for residential customers and at least fifteen (15) days after transmittal for other than residential customers. Failure to receive the bill will not excuse customers from payment obligations and payments must be made without regard to any counter claims whatsoever.

(C)

17.3 Payments by Mail

Any remittance received by mail at the address for payment designated by the Company on the customer's bill, bearing U.S. Post Office stamp date corresponding with or previous to the last date of payment, will be accepted by the Company as compliance with the terms of payment.

17.4 Payment of Cash Deposits

Upon reconnection of service at a premise previously terminated for non-payment, the Applicant may be required to pay a deposit and shall have up to 90 days to pay the deposit in accordance with the provisions of Chapter 56. Applicants requesting service at a premise not previously terminated for non-payment may be required to pay the full amount of the deposit prior to connection.

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**RULES AND REGULATIONS GOVERNING THE
DISTRIBUTION AND SALE OF GAS (Continued)**

17. Payment Terms – continued

17.5 Disputed Bills

In the event of a dispute between the customer and the Company respecting any bill, the Company will forthwith make such investigation as may be required by the particular case and report the result thereof to the customer.

The first disputed bill investigation in a twelve consecutive billing cycle period will be provided at no charge, any subsequent request by the customer in the same twelve consecutive billing cycle period will be assessed the cost of the service call unless the investigation detects metering or some other Company error. The charge to the customer shall be limited to the Company's costs based upon the actual time spent on the service call, with a maximum charge equal to a 45 minute service call; or the maximum charge for a meter test pursuant to Commission regulations if applicable.

When the Company has made such a report to the customer, either (1) sustaining the bill as rendered or (2) submitting a corrected bill, the date of the bill for purposes of payment shall be considered to be as of the date of said report, and the customer shall pay the amount due within the time provided in these Rules and Regulations, and failure to so pay shall render the customer and his service liable to the penalties herein provided. Any amounts received by the Company in excess of the amount disclosed to be due by the Company's investigation of the dispute shall be forthwith returned to the customer if the error arose from any cause other than the incorrect estimating of a customer's consumption for the period in dispute. Errors arising through the incorrect estimating of a customer's consumption shall be adjusted in accordance with the provisions of Rule 15.5 of these Rules and Regulations.

17.6 Interest on Overpayments

The Company will pay interest on refunds of customer overpayments at the rate of six percent (6%) per annum without deduction for any taxes thereon, except where customer overpayments are refunded within ninety (90) days of overpayment. The term "customer overpayment" shall not include any balance that may arise under the Company's budget billing program.

17.7 Budget Billing

(C)

The Company shall offer a budget billing option that allows year-round enrollment that evenly spreads annual projected bill amounts over the term of the budget billing program period.

(C) Indicates Change

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RATE SGDS - SMALL GENERAL DISTRIBUTION SERVICE

APPLICABILITY

Throughout the territory served under this Tariff.

AVAILABILITY

Available, at one location, for the total requirements of any commercial or industrial customer meeting all of the following conditions:

1. The Customer's total annual throughput requirements, as determined under the Customer Charge provisions below, are less than or equal to 64,400 thm annually.
2. The Customer does not take service under any other rate schedule except Rate SS – Standby Service.
3. Customer acquires its own gas and executes an application and agreement with the Company, as specified in the Rules Applicable to Distribution Service section of this Tariff, for a period of not less than one (1) year for distribution service in accordance with all terms and conditions of such contract.
4. The customer is a member of an aggregation group pursuant to the provisions of the Rules Applicable to Distribution Service.
5. Priority One customers, as defined in the Service Limitations section of this Tariff, must buy distribution service at the Priority One distribution rate, which includes recovery of purchased gas demand costs pursuant to the Purchased Gas Cost Rider as set forth in this Tariff. All other SGDS customers wishing to contract for Standby Service may execute a contract for service under Rate SS – Standby Service.

CHARACTER OF SERVICE

Distribution Service furnished pursuant to this rate schedule shall be considered firm service on the Company's system; provided, however, that it is the customer's obligation to deliver sufficient gas supplies to the mutually agreed upon receipt point in the Company's facilities.

RATE

The customers under this rate schedule shall be subject to a Customer Charge, a Distribution Charge a Pass-through Charge.

The rate information is detailed in the Rate Summary pages of this Tariff.

The Distribution Charge may be flexed in accordance with the Flexible Rate Provisions set forth in the Rules and Regulations of this Tariff.

(C) Indicates Change

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RATE DGDS - DISTRIBUTED GENERATION DISTRIBUTION SERVICE

APPLICABILITY

Throughout the territory served under this Tariff.

AVAILABILITY

Available, at one location, for the distribution requirements of any commercial or industrial customer using distributed generation equipment such as reciprocating engines, gas turbines, microturbines, and fuel cells used for electrical power generation. Service is available when such customer executes a contract with the Company for a period mutually agreed to between the Company and the customer for distribution service in accordance with all terms and conditions of such contract, provided that the Company's facilities are adequate to provide the requested service. (C)

Service under this rate schedule shall not be available to a single customer who is a Priority 1 Customer, as defined in the Service Limitations section of this Tariff, unless such customer also contracts for firm service under Rate SS-Standby Service at a level necessary to meet the portion of daily and seasonal requirements of the facility not covered by installed operable alternative fuel capability.

CHARACTER OF SERVICE

Service furnished pursuant to this rate schedule shall be subject to termination at the Company's discretion based on its inability to distribute such natural gas. The Company may decline to serve a qualified distribution customer if, in the Company's sole discretion, continuation or initiation of distribution service will jeopardize the supply of gas to the Company's firm customers. If service is terminated under this schedule, the Company will attempt to provide service to a customer under an otherwise applicable rate schedule. In the event of termination, the Company will notify the customer as soon as possible.

A Distributed Generation Distribution Service account may be returned to the applicable Sales Service rate if, for a period of at least five (5) consecutive days in one billing cycle, the Company:

- (1) has not received gas supply for the account;
- (2) the account's bank balance is insufficient to cover the consumption or the customer did not have access to its bank balance due to the issuance of an OFO and/or OMO; and
- (3) the customer consumed gas on one or more days during such five (5) day period.

For a non-daily read account, the account may be returned to the applicable Sales Service rate at the end of a billing cycle if the above three conditions are met unless the customer furnishes proof that they did not consume gas on one or more days during such five (5) day period.

RATE

The customers under this rate schedule shall be subject to a Customer Charge a Distribution Charge. The Distribution Charge may be subject to an escalation clause.

If a potential customer and the Company cannot agree to terms under this rate schedule, the customer may apply to be classified as a customer under any other rate schedule for which the customer would be eligible.

ELECTIVE BALANCING SERVICES RIDER

Distribution Service under this rate schedule may be subject to the provisions of Rider EBS as set forth in this Tariff.

(C) Indicates Change

RIDER PGC - PURCHASED GAS COST (Continued)

COMPUTATION OF PURCHASED GAS COMMODITY COSTS PER THM

Purchased gas commodity costs, per thm, shall be computed to the nearest one-thousandth cent (0.001¢) in accordance with the formula set forth below:

$$PGCC = [(CC - CE) \div S]$$

Purchased gas commodity costs, so computed, shall be included in rates charged to customers for gas service under the Rate RSS, Rate SGSS, Rate LGSS, and Rate MLSS rate schedules for twelve consecutive billing cycles beginning October 1 of each year unless such period is revised by the Commission. The amount of purchased gas commodity costs, per thm, will vary, if appropriate, based upon annual filings, by the Company, pursuant to Section 1307(f) of the Public Utility Code and such supplemental filings as may be required or be appropriate under Section 1307(f) of the Commission's Regulations adopted pursuant thereto.

In computing purchased gas commodity costs per thm, pursuant to the formula above, the following definitions shall apply:

"PGCC" - purchased gas commodity costs determined to the nearest one-thousandth cent (0.001¢) to be included in rates for each thm of gas supplied under this Rider for the Rate RSS, Rate SGSS, Rate LGSS, and Rate MLSS rate schedules.

"CC" - the estimated current commodity cost of gas, which shall be determined as follows:

1. for all types of purchased gas, the projected commodity cost for each purchase (adjusted for net current gas stored), for the projected period when rates will be in effect; plus
2. the arithmetic difference of (a) the projected book value of noncurrent gas at the beginning of the computation year minus (b) the projected book value of noncurrent gas at the end of the computation year; plus
3. any other purchased gas costs not defined as demand costs.

"CE" - experienced net overcollection or undercollection of purchased gas commodity costs.

Such experienced net overcollection or undercollection shall be determined for the most recent period permitted under law which shall begin with the month following the last month which was included in the previous over-under collection calculation reflected in rates.

Supplier refunds received that are specifically identifiable as refunds of commodity costs will be in the calculation of "CE" with interest added at the annual rate of six percent (6%) calculated from the month received to the effective month such refund is refunded. The period over which such refunds will be made shall be established by the Commission.

The portion of commodity cost Supplier Refunds that would otherwise be credited to residential customers shall be credited to the Hardship Fund (mentioned in the USP Rider section of this tariff) when the balance of the Hardship Fund falls below \$750,000. The non-residential portion of commodity cost Supplier Refunds will be credited to applicable non-residential customers through the PGC. When the Hardship Fund balance is \$750,000 or more, any Supplier Refunds received by the Company will be included in the calculation of the PGCC as specified above. (C)

"S" - projected thm of gas to be billed to customers subject only to Rider PGC under the commodity charges of the Rate RSS, Rate SGSS, Rate LGSS, and Rate MLSS rate schedules of this tariff during the period when rates will be in effect.

(C) Indicates Change

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RIDER PGC - PURCHASED GAS COST (Continued)

COMPUTATION OF PURCHASED GAS DEMAND COSTS PER THM – Continued

Supplier Refunds that are not included in "CE" will be included in the calculation of "DE" Supplier Refunds will include interest added at the annual rate of six percent (6%) calculated from the month received to the effective month such refund is refunded. The period over which such refunds will be made shall be established by the Commission. (C)

"S" - projected thms of gas to be billed to customers under the distribution charges of the Rate RSS, Rate SGSS, Rate LGSS, and Rate MLSS rate schedules plus the projected thm of gas to be distributed to customers under Rate RDS, Rate SCD and SGDS Priority One Distribution rate schedules of this Tariff during the period when rates will be in effect.

The portion of Supplier Refunds and Penalty Credits that would otherwise be credited to residential customers shall be credited to the Hardship Fund (mentioned in the USP Rider section of this tariff) when the balance of the Hardship Fund falls below \$750,000. The non-residential portion of Supplier Refunds and Penalty Credits will be credited to applicable non-residential customers through the PGC. When the Hardship Fund balance is \$750,000 or more, and Pipeline Supplier Refunds and Pipeline Penalty Credits received by the Company will be included in the calculation of the PGDC as specified above. (C)

PROVISION OF PURCHASED GAS DEMAND COST CREDIT DUE TO CUSTOMERS ELECTING CHOICE DISTRIBUTION SERVICE – CAPACITY ASSIGNMENT FACTOR (CAF)

The Purchased Gas Demand Cost (PGDC) rate included in the Pass-through Charge billed to Choice Distribution Service customers served under Rate RDS or Rate SCD shall be \$0.08166 per thm. Such rate shall be equal to the PGDC component of \$0.11150 per thm as calculated above, less the CAF of \$0.02984 per thm. The CAF shall be equal to the projected annual cost of assigned Firm Capacity less estimated annual storage commodity costs (storage injection, withdrawal, shrinkage and commodity transportation cost) with the net divided by the estimated, normalized annual usage of customers electing Choice Distribution Service. The CAF of \$0.02984 per thm representing costs not assignable to CHOICE customers shall be included in the Price-to-Compare.

DETERMINATION OF OVER/UNDERCOLLECTION OF GAS COSTS

Commodity E-factor

In computing the experienced over/under collection of purchased gas commodity costs for a period defined by the Commission, the following procedure shall be used:

- (a) All experienced purchased gas commodity costs actually incurred by the Company to service customers pursuant to all rate schedules of this Tariff.

Experienced purchased gas commodity costs shall include, but not be limited to, the following:

- (1) payments to suppliers to accept assignment of capacity on interstate pipelines other than Columbia Gas Transmission, LLC to the extent permitted under the Rules Applicable to Distribution Service;
- (2) costs paid for employing futures, options and other risk management tools, including but not limited to, supplier related costs associated with the fixed price contracts or financial contracts utilized by the Company to lessen the impact of price volatility for PGC customers; and
- (3) the index price of gas purchased from distribution customers under the provisions of the Deliveries in Excess of Consumption section of Paragraph 3 of the Rules Applicable to Distribution Service.

(D) Indicates Decrease (I) Indicates Increase (C) Indicates Change

PURCHASED GAS COST RIDER (Continued)

GAS PROCUREMENT INCENTIVE PROGRAM

The gas procurement incentive program will be limited to spot gas purchased for the months of April through October. Each month the Company's actual cost will be compared to an adjusted NYMEX index for such month.

The adjusted NYMEX index will be determined by averaging the month end closing prices reported for the last three days of trading on NYMEX after adjusting these prices for the differential between the average of indices representing cash prices paid on such days at the Henry Hub, for gas to be delivered on the first day of the month, and the average of indices prices representing the specific delivery points where Columbia takes title to its gas supply. In any instances where indices are not published in any one of the three chosen publications for a receipt point where the Company purchases spot gas, then the index used will be (1) Columbia Gas Transmission, LLC's Appalachian Index average used at points of delivery into Columbia Gas Transmission, LLC; (2) Columbia Gas Transmission, LLC's Appalachian Index average plus Columbia Gas Transmission, LLC's Storage Service Transportation commodity costs used at points of delivery out of Columbia Gas Transmission, LLC; or (3) if the first two are not appropriate, the price paid will be adjusted by deducting a 100% load factor firm transportation rate to the most applicable receipt point where an index is available. The index and Henry Hub prices utilized will be an average of first of the month prices reported in *Inside F.E.R.C.'s Gas Market Report*, *Natural Gas Week* and *Natural Gas Intelligence*.

A band of ninety-nine (99%) to one-hundred one percent (101%) will be applied monthly to the average indexed prices, as described above, to be compared to the Company's actual prices paid for spot gas purchased to flow during the month to determine the appropriate monthly retention of savings or absorption of losses. The Company will share savings 50%/50% between customers and the Company for increments of actual gas purchases below ninety-nine percent (99%) of the adjusted NYMEX index. The Company will absorb losses 50%/50% between customers and the Company for increments of actual gas purchases above one-hundred one percent (101%) of the adjusted NYMEX index. If the actual gas purchases fall within the band, there will be no sharing.

This program will be in effect from October 1, 2002 through September 30, 2004, unless extended by the Company with approval of the Commission.

RATE NGV GAS COST CREDIT

The following purchased gas cost credits shall be provided for all gas sold under the NGV rate schedule:

1. Demand Costs

For firm sales under Rate NGV, an amount per thm for recovery of demand costs determined as follows:

$$\frac{\text{Annual Demand Costs}}{(\text{Maximum Daily Quantity} \times 365) \times \text{Average NGV Load Factor}}$$

Where:

- a. Annual Demand Costs equal the total annual demand charges for supply and capacity included in the Company's purchased gas cost rates under the Purchased Gas Cost Rider, and
- b. Maximum Daily Quantity equals the highest usage in a single billing cycle during the prior November through October period divided by 20 days. (C)

(C) Indicates Change

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President

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RIDER MFC – MERCHANT FUNCTION CHARGE

APPLICABILITY

This Rider shall be applicable to residential customers taking service under Rate Schedules RSS, or CAP (unless an NGS is serving the CAP aggregation) and commercial or industrial customers taking service under Rate Schedule SGSS.

CHARACTER OF RATE

This Rider was established in compliance with the Pennsylvania Public Utility Commission's Revised Final Rulemaking Order dated June 23, 2011 in Docket No. L-2008-2069114 and is addressed in the PA Code Title 52, § 62.223.

The Merchant Function Charge reflects the cost of uncollectibles associated with natural gas costs billed to applicable customers by the Company.

RATE

The MFC is a component of the Price-to-Compare calculation as described in the Definitions section of this tariff.

The uncollectible expense ratios as specified below and determined in the most recent base rate case are used in the calculation of the MFC rate:

Residential uncollectible expense ratio	1.40342%	(D)
Non-residential uncollectible expense ratio	0.29613%	(D)

The current MFC rates may be found in the Rate Summary pages of this Tariff.

CALCULATION OF RATE

The Rider MFC rate is calculated as follows:

$$\text{MFC} = \text{PGCC} \times \text{the uncollectible expense ratio}$$

where:

PGCC is the current Purchased Gas Commodity Cost as detailed in the Purchased Gas Cost Rider of this tariff.

RIDER WNA – WEATHER NORMALIZATION ADJUSTMENT

A Weather Normalization Adjustment (WNA) shall be applied to bills of Residential customers under Rate Schedules RSS, RDS, and CAP, for the heating season November through May. The WNA shall continue until a final Order is entered in the Company's first rate case filed after May 31, 2020. The WNA will be applied to November through May billing cycles and shall be calculated as follows:

(C)

$$\text{WNBT} = \text{BLMT} + [(\text{NHDD} / \text{AHDD}) \times (\text{AMT} - \text{BLMT})]$$

$$\text{WNAT} = \text{WNBT} - \text{AMT}$$

$$\text{WNA} = \text{WNAT} \times \text{Distribution Usage Charge}$$

- (a) Weather Normalized Billing Therms (WNBT) will be calculated as the Base Load Monthly Therms (BLMT) added to the product of the Normal Heating Degree Days (NHDD) divided by the Actual Heating Degree Days (AHDD) and the Actual Monthly Therms (AMT) less the Base Load Monthly Therms (BLMT).
- (b) Base Load Monthly Therms (BLMT) are established for each customer using the customer's actual average daily consumption from the billing system, measured in therms, for the two months with the lowest consumption per billing day for the three billing months of July, August and September. The average baseload per day information will be updated annually. If actual BLMT information is not available for the year, the Company will use the most recently available base load information for the premise. If no history is available, the Company shall use the overall base load average for the residential class reflected in the most recent rate case.
- (c) Normal Heating Degree Days (NHDD) shall be updated annually by September 1st using the same methodology established in the Company's most recent Rate Case. NHDD for any given day are based upon the 20 year average for the given day.
- (d) Actual Heating Degree Days (AHDD) are the actual experienced heating degree days for the billing cycle. The degree day data is provided by the National Oceanic and Atmospheric Administration (NOAA). Customers will be assigned to weather stations based on their geographic locations.
- (e) Actual Monthly Therms (AMT) are measured for each customer and billing cycle.
- (f) Actual Monthly Therms (AMT) will be subtracted from the Weather Normalized Billing Therms (WNBT) to compute the Weather Normalized Adjustment Therms (WNAT).
- (g) The WNAT is then multiplied by the residential Distribution Usage Charge to compute the WNA amount that will be charged or credited to each residential customer.

(h) A 5% deadband shall be effective through the January 2019 cycle billing. The WNA for a billing cycle will apply only if the AHDD for the billing cycle are lower than 95% or higher than 105% of the NHDD for the billing cycle. A billing adjustment will only occur if the variation of AHDD is lower than 95% or higher than 105% of the NHDD for an individual billing cycle. Beginning with the February 2019 cycle billing, the deadband will be 3%. At that time, the WNA for a billing cycle will apply only if the AHDD for the billing cycle are lower than 97% or higher than 103% of the NHDD for the billing cycle. A billing adjustment will only occur if the variation of AHDD is lower than 97% or higher than 103% of the NHDD for an individual billing cycle.

(C)

(C) Indicates Change

Issued: December 11, 2018

M. A. Huwar
President

Effective: December 16, 2018

RIDER WNA –WEATHER NORMALIZATION ADJUSTMENT (Continued)

- (i) Effective through the January 2019 cycle billing, the WNA factor will be calculated by first adjusting the NHDD for the billing cycle by the deadband percentage of 5%. The deadband percentage is multiplied by the NHDD and then added to NHDD for the billing period when the weather is colder than normal (i.e., AHDD>NHDD) or subtracted from NHDD for the billing period when the weather is warmer than normal (i.e., AHDD<NHDD). Beginning with the February 2019 cycle billing, the WNA factor will be calculated by first adjusting the NHDD for the billing cycle by the deadband percentage of 3%. The deadband percentage is multiplied by the NHDD and then added to NHDD for the billing period when the weather is colder than normal (i.e., AHDD>NHDD) or subtracted from NHDD for the billing period when the weather is warmer than normal (i.e., AHDD<NHDD). (C)
- (j) The Company will file weather normalization information with the Commission annually by October 1st.

The Purchased Gas Cost shall be applied to actual (or non-adjusted) sales therms.

(C) Indicates Change

Issued: December 11, 2018

M. A. Huwar
President

Effective: December 16, 2018

FEDERAL TAX ADJUSTMENT CREDIT (FTAC)

(C)

There shall be applied to the non-Purchased Gas Cost portion of charges for gas service under all of the Company's rate schedules contained in this Tariff unless otherwise specified below, a credit of (3.614%).

The FTAC represents the passback of the 2018 effects of the Tax Cuts and Jobs Act ("TCJA") to customers.

The credit will be calculated as follows:

$$FTAC = (TxR + i) / TDRp, \text{ where}$$

TxR = The actual revenue associated with the 14% tax differential based on rates effective January 1, 2018 through December 15, 2018 and the TCJA, plus interest as noted below.

i = actual regulatory liability balance x residential mortgage lending rate specified by the Secretary of Banking in accordance with the Loan Interest and Protection Law (41. P.S. §§ 101, et. Seq.) / number of days in the year x number of days in the month.

TDRp = Projected total distribution revenues at expected effective rates for the period of refund.

Period of refund = Eighteen months beginning December 16, 2018.

The refund shall include interest using the residential mortgage lending rate specified by the Secretary of Banking in accordance with the Loan Interest and Protection Law (41. P.S. §§ 101, et. Seq.), computed monthly on the actual regulatory liability balance from January 2018 until the month the balance is returned.

Any over/under passback of the FTAC, calculated 30 days after the conclusion of the June 2020 cycle billing shall be credited/debited during the September 2020 cycle billing.

Any charges billed under Rate Schedules CDS, DGDS, EGDS or NCS or charges flexed in accordance with the Flexible Rate Provisions contained in Tariff Rule 20 shall not be subject to the Federal Tax Adjustment Credit.

RIDER EBS – ELECTIVE BALANCING SERVICES (Continued)

Option 1: FULL BALANCING SERVICE - CHARACTER OF SERVICE (Continued)

During SFOs/OFOs/OMOs - Continued

During periods when there is an SFO, OFO or OMO restriction of GDS over-deliveries, Shippers will be entitled to deliver to the Company up to one hundred two and one-half percent (102.5%) of the Company's maximum prescribed daily SFO, OFO or OMO quantity. However, should daily deliveries exceed one hundred two and one-half percent (102.5%) of the customer's maximum daily prescribed SFO, OFO, or OMO quantity, or if the cumulative excess deliveries exceed the bank tolerances described above, those excess daily deliveries shall be considered imbalance gas purchased by the Company pursuant to the Deliveries in Excess of Consumption or the Seasonal Flow Order paragraphs in the Rules Applicable Only to General Distribution Service section of the RADS and the Customer Proxy shall be charged in accordance with the Seasonal Flow Order, Operational Flow Order or Operational Matching Order paragraphs in the Rules Applicable Only to General Distribution Service section of the RADS.

Option 1: IMBALANCE TRADING SERVICES

A) Bank Balance Transfers

During Normal Operations, subject to the Limitations of Distribution Service in the Rules Applicable to All Distribution Service section of the RADS, Customer Proxies who subscribe to Rider EBS-Option 1 may transfer a bank balance that existed at the beginning of the month to another Customer Proxy that has also subscribed to Rider EBS-Option 1 and that also schedules deliveries to the Company's city-gates within the same Pipeline Scheduling Point. No pre-arranged contract is required. The Customer Proxy must submit all requests for Bank Balance Transfers to the Company in writing (e.g. fax, e-mail, electronic bulletin board) no later than the third business day following the last business day of the calendar month in which the trade is to apply. A \$10.00 fee per transfer shall be charged to the Customer Proxy transferring the bank balance. EBS-Option 1 Customer Proxies who successfully transfer bank balances to eliminate an imbalance will not be subject to the Consumption in Excess of Deliveries or Deliveries in Excess of Consumption paragraphs in the Rules Applicable Only to General Distribution Service section of the RADS. (C)

During any month in which an SFO, OFO, or OMO was in effect, Customer Proxies who subscribe to Rider EBS-Option 1 may transfer a bank balance that existed at the beginning of the month to another Customer Proxy whose customer is located in the same Pipeline Scheduling Point that has also subscribed to Rider EBS-Option 1 and that schedules deliveries to the Company's city-gates on the same transmission company. Provided, however, that bank balance transfers will apply to the SFO, OFO, or OMO period only up to the level of daily access to banked quantities authorized by the OFO, OMO, or SFO. No pre-arranged contract is required. The Customer Proxy must submit all requests for Bank Balance Transfers to the Company in writing (e.g. fax, e-mail, electronic bulletin board) no later than the first business day following the last business day of the calendar month in which the trade is to apply. A \$10.00 fee per transfer, for transfers within a Pipeline Scheduling Point shall be charged to the Customer Proxy transferring the bank balance. EBS-Option 1 Customer Proxies who successfully transfer bank balances to eliminate an imbalance will not be subject to the Seasonal Flow Orders, Operational Flow Orders, Operational Matching Orders, Consumption in Excess of Deliveries and Deliveries in Excess of Consumption paragraphs in the Rules Applicable Only to General Distribution Service section of the RADS. (C)

(C) Indicates Change

RIDER EBS – ELECTIVE BALANCING SERVICES (Continued)

Option 1: FULL BALANCING SERVICE - IMBALANCE TRADING SERVICES (Continued)

The imbalance trading services set forth in this Rider do not relieve Shippers of their obligation to deliver gas to Columbia in the Pipeline Scheduling Point in which they or their customers reside.

B) Gas Transfer Service

Availability

During Normal Operations or periods during which an SFO, OFO or OMO is in effect, subject to The Limitations on Distribution Service paragraphs of the RADS, this optional service is available to Customer Proxies who subscribe to Rider EBS-Option 1. This service provides for the transfer of gas quantities from one Customer Proxy ("Transferor") to another Customer Proxy ("Transferee").

Character of Service

- a. Each transfer must occur such that gas is transferred from the Transferor to the Transferee on the same Gas Day. Transferor must request the transfer at the end of the current month, as described in subparagraph (e) below.
- b. Transfers may only occur between a Transferor and a Transferee located within the same Local Market Area with confirmed deliveries on the same transmission pipeline.
- c. Quantities eligible for transfer shall not exceed the Transferor's confirmed deliveries for the day of transfer. A transfer request may not be accepted by the Company if such transfer would cause the Transferor to incur imbalance charges.
- d. Customer Proxies must rely on customer usage posted daily on the Company's website. The Company shall post customer usage on its Internet-based website as soon as practicable after the end of each Gas Day throughout the billing cycle. All customer usage will be posted on a best efforts basis by 5:00 P.M. Eastern time on the second business day following the end of the previous calendar month.
- e. All gas transfer requests must be accurately completed and executed by both the Transferor and the Transferee and submitted to the Company on the Company's standard Gas Transfer Request Form by 5:00 P.M. Eastern time on the third business day following the end of the previous calendar month.
- f. The Company is not involved in any arrangement or agreement for compensation for the value of the gas being transferred, or for any other fees between the Transferor and Transferee. The Company's role in administering this rate schedule is limited to transferring the approved gas quantities from the Transferor's to the Transferee's account with the Company.

Rate

The Company will charge the Transferor \$15.00 per transaction.

(C)

(C) Indicates Change

Issued: December 11, 2018

M. A. Huwar
President

Effective: December 16, 2018

RIDER DSIC - DISTRIBUTION SYSTEM IMPROVEMENT CHARGE

In addition to the net charges provided for in this Tariff, a charge of 0.0% will apply consistent with the Commission Order dated March 14, 2013 at Docket No. P-2012-2338282, approving the DSIC.

(D)

GENERAL DESCRIPTION

Purpose

To recover the reasonable and prudent costs incurred to repair, improve, or replace eligible property which is completed and placed in service and recorded in the individual accounts, as noted below, between base rate cases and to provide the Utility with the resources to accelerate the replacement of aging infrastructure, to comply with evolving regulatory requirements and to develop and implement solutions to regional supply problems.

The costs of extending facilities to serve new customers are not recoverable through the DSIC.

Eligible Property

The DSIC-eligible property will consist of the following:

- Piping (account 376);
- Couplings (account 376);
- Gas services lines (account 380) and insulated and non-insulated fittings (account 378);
- Valves (account 376);
- Excess flow valves (account 376);
- Risers (account 376);
- Meter bars (account 382);
- Meters (account 381);
- Unreimbursed costs related to highway relocation projects where a natural gas distribution company or city natural gas distribution operation must relocate its facilities; and
- Other related capitalized costs.

(D) Indicates Decrease

Issued: December 11, 2018

M. A. Huwar
President

Effective: December 16, 2018

3.2.5 The NGS is not required to complete an application to provide General Distribution Service; provided that the Customer's NGS submitted an Initial NGS Application which was approved by the Company.

3.3 CHARACTER OF SERVICE TO BE RENDERED

3.3.1 The Company shall receive the quantities of gas supplied by the Shipper and shall redeliver said gas to Customer's facilities. For Customers who purchase 100% Standby Service, the Company will provide Firm Service up to the Customer's currently effective winter Maximum Daily Quantity. For Priority One Customers, the Company will provide Firm Service. (C)

3.3.2 Special Conditions for Customers with less than 100% Standby Service:

3.3.2.1 Customers may request to take General Distribution Service with less than 100% Standby Service provided that the Customer agrees to the following conditions:

3.3.2.1.1 Interruption of gas distribution may occur if the Shipper fails to deliver sufficient quantities of gas to the Company, including sufficient quantities to cover peak day usage, whether or not such failure is due to the fault of Shipper. Interruptions or limitations may be necessary during peak day conditions even if all of the Customer's gas has been delivered to the Company.

3.3.2.1.2 An interruption of gas deliveries may require or result in (1) the temporary closing of the Customer's facilities, (2) lost production, sales, or business, and (3) damage to Customer's physical facilities. The Customer assumes the risk of any such losses or damage. A failure of the Customer to interrupt after notification to the Customer Proxy by the Company may also subject the Customer Proxy to liability for fines or penalties incurred by the Company as a result of such failure.

3.6 SEASONAL FLOW ORDERS (SFOs)

- 3.6.1 An SFO is a demand for specific actions on the part of Shippers that are serving GDS customers.
- 3.6.2 An SFO will be issued, to the extent possible, with a minimum of two business days notice to the affected parties.
- 3.6.3 The Company will have the authority to direct Customer Proxies to direct their Shippers to adjust daily scheduled quantities to a specified level (the SFO Level). The SFO Level may be necessary to restrict under-deliveries or over-deliveries as the Company deems appropriate.
- 3.6.3.1 For Customers without daily measuring devices, and for Customers that have elected to be governed as an OFO customer pursuant to the provisions of the Operational Matching Orders section of this Paragraph, the SFO Level will be determined by the Company based upon the Company's projection of usage by GDS customers during the period. Issuance of an SFO shall not prohibit issuance of an OFO/OMO if conditions warrant. To meet the daily SFO level, the Shipper may use gas quantities which are: 1) scheduled and delivered on that day to the Company in the same Pipeline Scheduling Point in which the Shipper's customer(s)'s facilities are located; 2) contracted for under Rate SS – Standby Service; 3) available on that day pursuant to the Rider EBS-Option 1; or 4) additional quantities that may be made available by the Company at its sole discretion including quantities delivered to a Local Market Area other than the Local Market Area where the Customer is located in accordance with Paragraph 2 of the RADS .
- 3.6.3.2 For Customers with daily measuring devices, the Company shall have the authority to direct Customer Proxies to direct their Shippers to adjust Customer's daily consumption quantities or daily scheduled deliveries in order that daily scheduled deliveries (the SFO Level) match Customer's consumption. In order to determine the SFO Level the Company will include quantities: 1) scheduled and delivered on that day to the Company in the same Pipeline Scheduling Point in which the Shipper's customer(s)'s facilities are located; 2) contracted for under Rate SS – Standby Service; 3) available on that day pursuant to the Rider EBS-Option 1; or 4) additional quantities that may be made available to the Shipper by the Company at its sole discretion including quantities delivered to a Local Market Area other than the Local Market Area where the Customer is located in accordance with Paragraph 2 of the RADS.
- 3.6.4 At the end of the normal billing cycle, the Company shall calculate the deliveries that the Shipper was required to deliver each day during the SFO as provided in the Seasonal Flow Order section in Paragraph 3 of the RADS. When a difference between the daily SFO Level and actual daily quantities available to meet the SFO Level exists, the following charges will be assessed on the difference: (C)
- (1) If a Shipper under-delivers during an SFO that restricts under-deliveries, the charge for under-deliveries shall be calculated using the gas supply index identified in the Consumption in Excess of Deliveries section in Paragraph 3 of the RADS. The "Adjustment to Index Price" shall be the adjustment shown in the following table:

(C) Indicates Change

3.7 OPERATIONAL FLOW ORDERS (OFOs) - continued

3.7.4 When a difference between the Daily OFO Level and actual daily OFO compliance quantities delivered to the Company exists, the following charges will be assessed to the Customer Proxy:

- (1) A rate equal to one and one-half (1 ½) times the highest of the midpoint prices reflected in Platts Gas Daily for the day of the OFO non-compliance and based on pipeline scheduling point applicable indices as specified in the Platts "Gas Daily", Daily Price Survey – Designation by Pipeline Scheduling Point paragraph of Rule 2. Rules Applicable to All Distribution Service in the Rules Applicable to Distribution Service of this tariff. (D)

The charge will be multiplied by the therm difference, except however, the charge will not be assessed if the difference results from the Shipper delivering more than the Daily OFO Level during an OFO that restricts under-deliveries, or from the Shipper delivering less than the Daily OFO Level during an OFO that restricts over-deliveries; and,

- (2) The payment of all other charges incurred by the Company on the date of the OFO that results from the Shipper's failure to comply with the OFO, including a proportionate share of any pipeline penalties that are incurred by the Company.
- (3) In the event midpoint prices referenced in subparagraph (1) above, are not published in Platts Gas Daily for the day of the OFO non-compliance, the highest price paid by the Company on that day shall be used as the index price.
- (4) The Company shall update the applicable indices on 60 days' notice to Customer Proxies in the event of a change in applicable indices. Applicable indices are subject to change based upon changes in market circumstances.

3.8 OPERATIONAL MATCHING ORDERS (OMOs)

3.8.1 An OMO is a demand for specific actions on the part of Shippers that are serving Customers with daily measuring devices. All Customers with daily measuring devices, except as specified in the Operational Matching Order section in Paragraph 3 of the RADs, are subject to the Company's issuance of OMOs.

3.8.2 Customers that presently have daily measurement through a charted meter, but not an electronic meter, shall have the option of choosing to be governed by Operational Flow Orders as specified in this Paragraph 3 of the RADS. Customers will be able to exercise this option no more than one time each calendar year by notifying the Company in writing prior to November 1st of each year. Once an election is made, the customer's option will remain in effect until changed.

3.8.3 An OMO will be issued, to the extent possible, with a minimum of eight (8) hours notice to the affected parties. Notice shall be made by the medium most reasonably expected to reach the Customer Proxy with as much notice as reasonably expected to reach the Customer Proxy in a timely manner, including but not limited to: e-mail, facsimile, or Nomination EBB. The notice will include the circumstance that warrant the issuance of the OMO and explain why the actions required are necessary. The notice will be provided via e-mail to the PA PUC.

(C) Indicates Change (D) Indicates Decrease

3.8.5 When a difference exists between the Daily OMO Level and actual daily OMO compliance quantities delivered, charges will be assessed for non-compliance.

3.8.5.1 The non-compliance charges will be equal to one and one-half (1 ½) times the highest of the midpoint prices reflected in Platts Gas Daily for the day of the OMO non-compliance and based on pipeline scheduling point applicable indices as specified in the Platts "Gas Daily", Daily Price Survey – Designation by Pipeline Scheduling Point paragraph of Rule 2. Rules Applicable to All Distribution Service in the Rules Applicable to Distribution Service of this tariff. (D)

3.8.5.2 The charge will be multiplied on the term difference, except however, the charge will not be assessed if the difference results from the Shipper delivering more than the Daily OMO Level during an OMO that restricts under-deliveries, or from the Shipper delivering less than the Daily OMO Level during an OMO that restricts over-deliveries; and

3.8.5.3 Payment of all other charges incurred by the Company on the date of the OMO that result from the Shipper's failure to comply with the OMO, including a proportionate share of any pipeline penalties that are incurred by the Company.

3.8.5.4 In the event midpoint prices referenced in subparagraph (1) above, are not published in Platt Gas Daily for the day of the OMO non-compliance, the highest price paid by the Company on that day shall be used as the index price.

3.8.5.5 The Company shall update the applicable indices on 60 days' notice to Customer Proxies in the event of a change in applicable indices. Applicable indices are subject to change based upon changes in market circumstances.

(C) Indicates Change (D) Indicates Decrease

COLUMBIA GAS OF PENNSYLVANIA, INC.
COMPUTATION OF CHANGE IN RATE PURSUANT TO SECTION 1307(f)
APPLICATION PERIOD: OCTOBER, 2018 THROUGH SEPTEMBER, 2019

Line No.	Description	Amount
		(1)
1	<u>Purchased Gas Commodity Cost</u>	\$
2	Commodity Cost of Gas (Exhibit 1-B, Schedule 1)	104,595,154
3	Projected tariff sales for the twelve billing periods of	
4	October, 2018 through September, 2019	367,700,429 Therms
5	PGCC (Line 2/Line 4)	0.28446
6	<u>Commodity (Over)/Under Collection</u>	
7	Commodity E-Factor	
8	(Exhibit No. 1-E)	(2,795,242)
9	Projected sales for the twelve billing periods of	
10	October, 2018 through September, 2019	367,700,429 Therms
11	Commodity E-Factor (Line 8/ Line 10)	(0.00760)
12	<u>Purchased Gas Demand Cost</u>	
13	Demand cost of gas (Exhibit 1-B, Schedule 1)	62,342,775
14	Less: Purchased Gas Demand recovered under Rate SS	
15	(Exhibit 1-A, Schedule 2, Sheet 2)	433,003
16	Less: Purchased Gas Demand Cost allocated to Rates LTS, STS,	
17	SGS-TS and MLS (Exh 1-A, Sch 2, Page 3)	0
18	Subtotal (Line 13 - Line 15 - Line 17)	61,909,772
19	Projected sales for the twelve billing periods of	
20	October, 2018 through September, 2019	1 / 468,790,943 Therms
21	PGDC Rate prior to Capacity Release Credit (Line 18 / Line 20)	0.13206
22	Off System Sales and Capacity Release Credit	(0.01845)
23	PGDC Rate	0.11361
24	<u>Demand (Over)/Under Collection</u>	
25	Demand E- Factor	
26	(Exhibit No. 1-E)	(988,957)
27	Projected sales for the twelve billing periods of	
28	October, 2018 through September, 2019	1 / 468,790,943 Therms
29	Demand E-Factor (Line 26 / Line 28)	(0.00211)
30	<u>Total Purchased Gas Cost</u>	
31	PGCC Rate (Line 5)	0.28446
32	PGDC Rate (Line 23)	0.11361
33	PGC Rate	0.39807
34	Currently effective PGC	0.38077
35	Increase (Decrease) in PGC	0.01730
36	<u>Net (Over) Under Collection</u>	
37	Commodity E-Factor (Line 11)	(0.00760)
38	Demand E-Factor (Line 29)	(0.00211)
39	E-Factor	(0.00971)
40	Currently effective E-Factor	0.00332
41	Increase (Decrease) in E-Factor	(0.01303)
42	PGC Rate	0.39807
43	E-Factor	(0.00971)
44	Total Rate	0.38836
45	Currently effective Rate	0.38409
46	Increase (Decrease) in Rate	0.00427

1 / Includes 101,090,514 Therm Transportation Quantities for the Company's Choice Program

Columbia Gas of Pennsylvania, Inc.

Derivation of Rider USP Surcharge Rate
Effective October 1, 2018

Line No.	Description	Amount
1	<u>Current CAP Enrollment</u>	
2	Enrolled Customers	23,496
3	Average Consumption - Thm	1,234
4	Revenues Billed	\$ 33,027,840
5	Customer Payments	\$ (14,097,600)
6	Discount for Current Customers (Line 4 + Line 5)	\$ 18,930,240
7	<u>Projected CAP Enrollment</u>	
8	Estimated Enrollment	500
9	Average Consumption - Thm	1,234
10	Revenues Billed	\$ 702,838
11	Customer Payments	\$ (300,000)
12	Discount for Projected Additional Enrollment (Line 10 + Line 11)	\$ 402,838
13	<u>RATE DERIVATION:</u>	
14	CAP Total Customer Discounts (Line 6 + Line 12)	\$ 19,333,078
15	CAP Pre-Program Arrearages	\$ 2,091,688
16	CAP Application Fees	\$ 275,000
17	CAP Administrative Costs	\$ 300,000
18	Low Income Usage Reduction Program (LIURP)	\$ 5,007,696
19	WarmWise Audits and Rebates	\$ 600,000
20	Emergency Repair Fund	\$ 600,000
21	2017 Rider USP Undercollection	^{1/} \$ 2,223,733
22	Interest on 2017 Undercollection	^{1/3/} \$ 160,106
23	Reconciliation of prior year Over/Undercollection	^{1/} \$ 22,554
24	2017 Interest Adjustment	^{1/} \$ (28,562)
25	Total Discount to be Recovered (SUM Lines 14-24)	\$ 30,585,293
26	Rate Determinants Thm	^{2/} 312,450,136
27	Rider USP Rate per Thm (Line 25 / Line 26)	\$ 0.09789

^{1/} Reconciliation Factor \$2,377,831/312,450,136 = \$0.00761^{2/} Based on the volumes reflected in Columbia's October 2018 PGC filing.^{3/} Includes interest adjustment from prior period.

COLUMBIA GAS OF PENNSYLVANIA, INC.
Calculation of Merchant Function Charge - Tariff Supplement No. 282

Rate Schedules RSS - Residential

<u>Component</u>	<u>Rate</u>	<u>Reference</u>
Commodity PGCC	0.28446	Exhibit 1-A, Schedule 1, Sheet1, Line 5
Uncollectible Expense Ratio	<u>1.40342%</u>	
Rider MFC	0.00399	Tariff Page 21c

Rate Schedules SGSS - Commercial

<u>Component</u>	<u>Rate</u>	<u>Reference</u>
Commodity PGCC	0.28446	Exhibit 1-A, Schedule 1, Sheet1, Line 5
Uncollectible Expense Ratio	<u>0.29613%</u>	
Rider MFC	0.00084	Tariff Page 21c