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June 30, 2016

**VIA E-FILING**

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

**Re: Quarterly Purchased Gas Cost Filing of Columbia Gas of  
Pennsylvania, Inc. Supplement No. 246 to Tariff Gas Pa. P.U.C. No. 9.  
Docket No. R-2015-2469665**

Secretary Chiavetta:

Enclosed for filing on behalf of Columbia Gas of Pennsylvania, Inc. ("Columbia") is Supplement No. 246 to Tariff Gas Pa. P.U.C. No. 9 ("Supplement No. 246"). Supplement No. 246 issued June 30, 2016, to be effective July 1, 2016, changes Columbia's rates for the cost of purchased gas supplies. This filing is made in compliance with the Commission's regulations that permit gas utilities to update their gas cost recovery rate on a quarterly basis.

Customers served under Columbia's residential, small general service, and large general service sales schedules will experience an increase of \$0.05431/Therm in their gas supply and pass-through charges, effective July 1, 2016. The gas cost changes are reflected in the attached tariff rate schedules and Purchased Gas Cost Rider.

Copies of the enclosed filing have been served on the parties designated on this letter.

Please direct any inquiry with regard to this filing to me at (724.416.6390) or to Columbia's Counsel, Theodore J. Gallagher (724.416.6355), at the address written above, or to Columbia's outside counsel, Michael W. Hassell, Post & Schell P.C., 17 North Second Street, 12th Floor, Harrisburg, Pennsylvania 17101, (717.612.6029).

Sincerely,

A handwritten signature in black ink, appearing to read "Adam J. Lanier". The signature is fluid and cursive, with the first name "Adam" being the most prominent part.

Adam J. Lanier  
Director, Rates & Regulatory Affairs

Enclosure

c: Theodore J. Gallagher, Esquire  
Andrew S. Tubbs, Esquire  
Michael W. Hassell, Esquire  
Todd Stewart, Esquire, Counsel for NGS Parties  
Bureau of Investigation and Enforcement  
Office of Consumer Advocate  
Office of Small Business Advocate

**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: June 30, 2016

EFFECTIVE: July 1, 2016

ISSUED BY: MARK KEMPIC, PRESIDENT  
121 CHAMPION WAY, SUITE 100  
CANONSBURG, PENNSYLVANIA 15317

**NOTICE**

This Tariff Supplement Makes a Change to the Existing Tariff - See List of Changes Made by This Tariff Supplement on Pages No. 2 and 2a.

**LIST OF CHANGES MADE BY THIS TARIFF SUPPLEMENT**

<b>Page</b>	<b>Page Description</b>	<b>Revision Description</b>
Cover	Tariff Cover Page	Supplement No., Issue and Effective Date.
2-2b	List of Changes	List of Changes.
16	Rate Summary	The "Gas Supply Charge" has increased. The "Pass-through Charge" has increased. The "Total Effective Rate" increased.
17	Rate Summary	The "Gas Supply Charge" has increased. The "Pass-through Charge" has increased. The "Total Effective Rate" has increased.
18	Rate Summary	The "Gas Supply Charge" has increased. The "Pass-through Charge" has increased. The "Total Effective Rate" has increased.
19	Rate Summary	The "Gas Supply Charge" has increased. The "Pass-through Charge" has increased. The "Total Effective Rate" has increased.
20	Rate Summary	The "Residential Price-to-Compare" has increased. The "Commercial Price-to-Compare" has increased. The "Standby Service" has increased.
21	Rider Summary	The "Merchant Function Charge – Rider MFC" has increased.
21a	Gas Supply Charge Summary	The "PGCC" has increased. The "Rider MFC" has increased. The "Total Gas Supply Charge" has increased.

**LIST OF CHANGES MADE BY THIS TARIFF SUPPLEMENT**

Page	Page Description	Revision Description
21b	Pass-through Charge Summary	<p>The "PGDC" has increased.</p> <p>The "Capacity Assignment Factor" has increased.</p> <p>The "Total Pass-through Charge" has increased.</p>
21c	Price-to-Compare Summary	<p>The "PGCC" has increased.</p> <p>The "Capacity Assignment Factor" has decreased.</p> <p>The "Rider MFC" has increased.</p> <p>The "Total Price-to-Compare" has increased.</p>
151	Rider PGC	<p>The Purchased Gas Commodity Cost, made up of the Commodity Cost and the Commodity "E" Factor has increased.</p> <p>The Commodity Cost has increased.</p> <p>The Demand Cost has increased.</p> <p>The Purchased Gas Demand Cost billed to Rate SGDS has increased.</p> <p>The Purchased Gas Demand Cost billed to Rate RDS and Rate SCD has increased.</p> <p>The Capacity Assignment Factor credited to Rate RDS and Rate SCD has increased.</p>
154	Rider PGC	<p>The Purchased Gas Demand Cost billed to Rate RDS and Rate SCD has increased.</p> <p>The Capacity Assignment Factor credited to Rate RDS and Rate SCD has decreased.</p>

Columbia Gas of Pennsylvania, Inc.

**Rate Summary**

Rate per thm

Residential Rate Schedules	Distribution Charge	Gas Supply Charge 1/	Gas Cost Adjustment	Pass-Through Charge 2/	State Tax Adjustment Surcharge 3/	Total Effective Rate
<b><u>Rate RSS - Residential Sales Service</u></b>						
Customer Charge	\$ 16.75	-	-	-	0.00	16.75
Usage Charge	\$ 0.47806	0.31678	(0.06811)	0.19309	0.00000	0.91982
Customer Transferring from Rate Schedule RDS - Usage Charge	\$ 0.47806	0.31678	-	4/ 0.19309	0.00000	0.98793
<b><u>Rate RDS - Residential Distribution Service</u></b>						
Customer Charge	\$ 16.75	-	-		0.00	16.75
Usage Charge:						
Customers Electing CHOICE - 1st Year	\$ 0.47806	-	(0.06811) 5/	0.16229	0.00000	0.57224
Customers Electing CHOICE - 2nd Year	\$ 0.47806	-	-	0.16229	0.00000	0.64035

1/ Please see Page No. 21a for rate components.  
2/ Please see Page No. 21b for rate components.  
3/ The STAS percentage is reflected on Page No. 20 and is applied to the Customer Charge and the Distribution Charge.  
4/ If a customer transfers to RSS from RDS, the Gas Cost Adjustment shall not be billed for up to twelve billing cycles.  
5/ If a customer transfers to RDS from RSS, the Gas Cost Adjustment shall be billed for up to twelve billing cycles.

Issued: June 30, 2016

Mark Kempic - President

Effective: July 1, 2016

Columbia Gas of Pennsylvania, Inc.

<b>Rate Summary</b>						
Rate per thm						
Commercial / Industrial Rate Schedules ≤ 64,400 therms - 12 Months Ending October	Distribution Charge	Gas Supply Charge 1/	Gas Cost Adjustment	Pass-through Charge 2/	State Tax Adjustment Surcharge 3/	Total Effective Rate
<b><u>Rate SGSS - Small General Sales Service</u></b>						
Customer Charge:						
Annual Throughput ≤ 6,440 thm	\$ 21.25	-	-	-	0.00	21.25
Annual Throughput > 6,440 thm and ≤ 64,400 thm	\$ 48.00	-	-	-	0.00	48.00
Usage Charge						
Annual Throughput ≤ 6,440 thm	\$ 0.35939	0.31344	(0.06811) 4/	0.12733	0.00000	0.73205
Annual Throughput > 6,440 thm and ≤ 64,400 thm	\$ 0.32246	0.31344	(0.06811) 4/	0.12733	0.00000	0.69512
<b><u>Rate SCD - Small Commercial Distribution</u></b>						
Customer Charge:						
Annual Throughput ≤ 6,440 thm	\$ 21.25	-	-	-	0.00	21.25
Annual Throughput > 6,440 thm and ≤ 64,400 thm	\$ 48.00	-	-	-	0.00	48.00
Usage Charge: Customers Electing CHOICE - 1st year						
Annual Throughput ≤ 6,440 thm	\$ 0.35939	-	(0.06811) 5/	0.09653	0.00000	0.38781
Annual Throughput > 6,440 thm and ≤ 64,400 thm	\$ 0.32246	-	(0.06811) 5/	0.09653	0.00000	0.35088
Usage Charge: Customers Electing CHOICE - more than 1 year						
Annual Throughput ≤ 6,440 thm	\$ 0.35939	-	-	0.09653	0.00000	0.45592
Annual Throughput > 6,440 thm and ≤ 64,400 thm	\$ 0.32246	-	-	0.09653	0.00000	0.41899
<b><u>Rate SGDS - Small General Distribution Service</u></b>						
Customer Charge:						
Annual Throughput ≤ 6,440 thm	\$ 21.25	-	-	-	-	21.25
Annual Throughput > 6,440 thm and ≤ 64,400 thm	\$ 48.00	-	-	-	-	48.00
Usage Charge - Priority One						
Annual Throughput ≤ 6,440 thm	\$ 0.33759	-	-	5/ 0.12733	0.00000	0.46492 6/
Annual Throughput > 6,440 thm and ≤ 64,400 thm	\$ 0.32062	-	-	5/ 0.12733	0.00000	0.44795 6/
Usage Charge - Non-Priority One						
Annual Throughput ≤ 6,440 thm	\$ 0.33759	-	-	5/ 0.00010	-	0.33769 6/
Annual Throughput > 6,440 thm and ≤ 64,400 thm	\$ 0.32062	-	-	5/ 0.00010	-	0.32072 6/

1/ Please see Page No. 21a for rate components.

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

3/ The STAS percentage is reflected on Page No. 20 and is applied to the Customer Charge and the Distribution Charge.

4/ If a customer transfers to SGSS from SCD or SGDS, the Gas Cost Adjustment shall not be billed for up to twelve billing cycles.

5/ If a customer transfers to SCD or SGDS from SGSS, the Gas Cost Adjustment shall be billed for up to twelve billing cycles.

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

Columbia Gas of Pennsylvania, Inc.

Rate Summary						
Rate per thm						
Commercial / Industrial Rate Schedules > 64,400 therms - 12 Months Ending October	Distribution Charge	Gas Supply Charge	Gas Cost Adjustment	Pass-through Charge	State Tax Adjustment Surcharge	Total Effective Rate
		1/		2/	3/	
<b>Rate LGSS - Large General Sales Service</b>						
Customer Charge:						
Annual Throughput > 64,400 thm and <= 110,000 thm	\$ 215.00				0.00	215.00
Annual Throughput > 110,000 thm and <= 540,000 thm	\$ 685.00				0.00	685.00
Annual Throughput > 540,000 thm and <= 1,074,000 thm	\$ 1,800.00				0.00	1,800.00
Annual Throughput > 1,074,000 thm and <= 3,400,000 thm	\$ 2,800.00				0.00	2,800.00
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 5,400.00				0.00	5,400.00
Annual Throughput > 7,500,000 thm	\$ 8,000.00				0.00	8,000.00
Usage Charge:						
Annual Throughput > 64,400 thm and <= 110,000 thm	\$ 0.20774	0.31208	(0.06811) 4/	0.12723	0.00000	0.57894
Annual Throughput > 110,000 thm and <= 540,000 thm	\$ 0.19422	0.31208	(0.06811) 4/	0.12723	0.00000	0.56542
Annual Throughput > 540,000 thm and <= 1,074,000 thm	\$ 0.12001	0.31208	(0.06811) 4/	0.12723	0.00000	0.49121
Annual Throughput > 1,074,000 thm and <= 3,400,000 thm	\$ 0.10645	0.31208	(0.06811) 4/	0.12723	0.00000	0.47765
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 0.09553	0.31208	(0.06811) 4/	0.12723	0.00000	0.46673
Annual Throughput > 7,500,000 thm	\$ 0.05684	0.31208	(0.06811) 4/	0.12723	0.00000	0.42804
<b>Rate SDS - Small Distribution Service</b>						
Customer Charge:						
Annual Throughput > 64,400 thm and <= 110,000 thm	\$ 215.00	-	-	-	0.00	215.00
Annual Throughput > 110,000 thm and <= 540,000 thm	\$ 685.00	-	-	-	0.00	685.00
Usage Charge:						
Annual Throughput > 64,400 thm and <= 110,000 thm	\$ 0.20774	-	-	5/	0.00000	0.20774 6/
Annual Throughput > 110,000 thm and <= 540,000 thm	\$ 0.19422	-	-	5/	0.00000	0.19422 6/
<b>Rate LDS - Large Distribution Service</b>						
Customer Charge:						
Annual Throughput > 540,000 thm and <= 1,074,000 thm	\$ 1,800.00	-	-	-	0.00	1,800.00
Annual Throughput > 1,074,000 thm and <= 3,400,000 thm	\$ 2,800.00	-	-	-	0.00	2,800.00
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 5,400.00	-	-	-	0.00	5,400.00
Annual Throughput > 7,500,000 thm	\$ 8,000.00	-	-	-	0.00	8,000.00
Usage Charge:						
Annual Throughput > 540,000 thm and <= 1,074,000 thm	\$ 0.12001	-	-	5/	0.00000	0.12001 6/
Annual Throughput > 1,074,000 thm and <= 3,400,000 thm	\$ 0.10645	-	-	5/	0.00000	0.10645 6/
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 0.09553	-	-	5/	0.00000	0.09553 6/
Annual Throughput > 7,500,000 thm	\$ 0.05684	-	-	5/	0.00000	0.05684 6/
1/ Please see Page No. 21a for rate components.						
2/ Please see Page No. 21b for rate components.						
3/ The STAS percentage is reflected on Page No. 20 and is applied to the Customer Charge and the Distribution Charge.						
4/ If a customer transfers to LGSS from SDS or LDS, the Gas Cost Adjustment shall not be billed for up to twelve billing cycles.						
5/ If a customer transfers to SDS or LDS from LGSS, the Gas Cost Adjustment shall be billed for up to twelve billing cycles.						
6/ Plus Rider EBS Option 1 or 2 - See Page 21.						



Columbia Gas of Pennsylvania, Inc.

Canceling Twenty-fourth Revised Page No. 19

<b>Rate Summary</b>						
Rate per thm						
Main Line Service Rate Schedules Commercial / Industrial	Distribution Charge	Gas Supply Charge 1/	Gas Cost Adjustment	Pass-through Charge 2/	State Tax Adjustment Surcharge 3/	Total Effective Rate
<b><u>Rate MLSS - Main Line Sales Service</u></b>						
Customer Charge:						
Annual Throughput > 274,000 thm and <= 540,000 thm	\$ 469.34	-	-	-	0.00	469.34
Annual Throughput > 540,000 thm and <= 1,074,000 thm	\$ 1,149.00	-	-	-	0.00	1,149.00
Annual Throughput > 1,074,000 thm and <= 3,400,000 thm	\$ 2,050.00	-	-	-	0.00	2,050.00
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 4,096.00	-	-	-	0.00	4,096.00
Annual Throughput > 7,500,000 thm	\$ 7,322.00	-	-	-	0.00	7,322.00
Usage Charge:						
MLS Class I Annual Throughput > 274,000 thm	\$ 0.00937	0.31208	(0.06811) 4/	0.12723	0.00000	0.38057
MLS Class II:						
Annual Throughput > 2,146,000 thm and <= 3,400,000 thm	\$ 0.04479	0.31208	(0.06811) 4/	0.12723	0.00000	0.41599
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 0.03874	0.31208	(0.06811) 4/	0.12723	0.00000	0.40994
Annual Throughput > 7,500,000 thm	\$ 0.03355	0.31208	(0.06811) 4/	0.12723	0.00000	0.40475
<b><u>Rate MLDS - Main Line Distribution Service</u></b>						
Customer Charge:						
Annual Throughput > 274,000 thm and <= 540,000 thm	\$ 469.34	-	-	-	0.00	469.34
Annual Throughput > 540,000 thm and <= 1,074,000 thm	\$ 1,149.00	-	-	-	0.00	1,149.00
Annual Throughput > 1,074,000 thm and <= 3,400,000 thm	\$ 2,050.00	-	-	-	0.00	2,050.00
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 4,096.00	-	-	-	0.00	4,096.00
Annual Throughput > 7,500,000 thm	\$ 7,322.00	-	-	-	0.00	7,322.00
Usage Charge:						
MLS Class I Annual Throughput > 274,000 thm	\$ 0.00937	-	-	5/	0.00000	0.00937 6/
MLS Class II:						
Annual Throughput > 2,146,000 thm and <= 3,400,000 thm	\$ 0.04479	-	-	5/	0.00000	0.04479 6/
Annual Throughput > 3,400,000 thm and <= 7,500,000 thm	\$ 0.03874	-	-	5/	0.00000	0.03874 6/
Annual Throughput > 7,500,000 thm	\$ 0.03355	-	-	5/	0.00000	0.03355 6/

1/ Please see Page No. 21a for rate components.

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

3/ The STAS percentage is reflected on Page No. 20 and is applied to the Customer Charge and the Distribution Charge.

4/ If a customer transfers to MLSS from MLDS, the Gas Cost Adjustment shall not be billed for up to twelve billing cycles.

5/ If a customer transfers to MLDS from MLSS, the Gas Cost Adjustment shall be billed for up to twelve billing cycles.

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

Columbia Gas of Pennsylvania, Inc.

Canceling Ninety-third Revised Page No. 20

**Other Rates Summary**

Rate per thm

Description	Rate \$/ thm	Applicable Rate Schedules
<b>Price to Compare for Residential Gas Supply</b>	\$ 0.27947 1/	RSS
<b>Price to Compare for Commercial Gas Supply</b>	\$ 0.27613 1/	SGSS (< = 64,400 thms)
<b>State Tax Adjustment Surcharge Percentage</b>	0.00000%	Customer and Distribution Charges on all rates
<b>Rate SS - Standby Service</b>	\$ 0.75430	Per therm based on a customer's Maximum Daily Firm Requirement. See Pages 134 - 136 herein for detail.

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

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Mark Kempic - President

Effective: July 1, 2016

Columbia Gas of Pennsylvania, Inc.

**Rider Summary**

Riders	Rate	Applicable Rate Schedules
<b>Customer Choice - Rider CC</b>	\$ 0.00010 /thm	RSS/RDS/SGSS/SGDS/SCD/DGDS
<b>Universal Service Plan - Rider USP</b>	\$ 0.06576 /thm	RSS/RDS
<b>Distribution System Improvement Charge - Rider DSIC</b>	0.00000%	This percentage is applied to a portion of the Distribution Charge and the Customer Charge. See Pages 177-180 for Rider DSIC details.
<b>Elective Balancing Service - Rider EBS:</b>		
Option 1 - Small Customer	\$ 0.01677 /thm	SGDS/SDS
Option 1 - Large Customer	\$ 0.00727 /thm	LDS/MLDS
Option 2 - Small Customer	\$ 0.00697 /thm	SGDS/SDS
Option 2 - Large Customer	\$ 0.00226 /thm	LDS/MLDS
<b>Gas Procurement Charge - Rider GPC</b>	\$ 0.00695 /thm	RSS/SGSS/LGSS/MLSS
<b>Merchant Function Charge - Rider MFC</b>	\$ 0.00470 /thm	RSS
<b>Merchant Function Charge - Rider MFC</b>	\$ 0.00136 /thm	SGSS
<b>Purchased Gas Cost - Rider PGC</b>	Pg. 21a & 21b	Rate Schedules specified on Page 21a & 21b

Issued: June 30, 2016

Mark Kempic - President

Effective: July 1, 2016

Columbia Gas of Pennsylvania, Inc.

<b>Gas Supply Charge Summary</b>				
Rate per thm				
Rate Schedule	<u>PGCC</u>	<u>Rider GPC</u>	<u>Rider MFC</u>	Total Gas Supply Charge
<b>Rate CAP - Customer Assistance Plan</b>	\$ -	-	-	-
<b>Rate RSS - Residential Sales Service</b>	\$ 0.30513	0.00695	0.00470	0.31678
<b>Rate SGSS - Small General Sales Service</b>	\$ 0.30513	0.00695	0.00136	0.31344
<b>Rate LGSS - Large General Sales Service</b>	\$ 0.30513	0.00695	-	0.31208
<b>Rate MLSS Main Line Sales Service</b>	\$ 0.30513	0.00695	-	0.31208

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Mark Kempic - President

Effective: July 1, 2016

Columbia Gas of Pennsylvania, Inc.

**Pass-through Charge Summary**  
 Rate per thm

Rate Schedule	PGDC	PGDC "E" Factor	Capacity Assignment Factor	Pipeline Refund	Rider CC	Rider USP	Total Pass-through Charge
<b>Rate CAP - Customer Assistance Plan</b>	\$ 0.14145	(0.01422)	(0.03080)	-	-	-	0.09643
<b>Rate RSS - Residential Sales Service</b>	\$ 0.14145	(0.01422)	-	-	0.00010	0.06576	0.19309
<b>Rate SGSS - Small General Sales Service</b>	\$ 0.14145	(0.01422)	-	-	0.00010	-	0.12733
<b>Rate LGSS - Large General Sales Service</b>	\$ 0.14145	(0.01422)	-	-	-	-	0.12723
<b>Rate MLSS Main Line Sales Service</b>	\$ 0.14145	(0.01422)	-	-	-	-	0.12723
<b>Rate RDS - Residential Distribution Service</b>	\$ 0.14145	(0.01422)	(0.03080)	-	0.00010	0.06576	0.16229
<b>Rate SCD - Small Commercial Distribution (Choice)</b>	\$ 0.14145	(0.01422)	(0.03080)	-	0.00010	-	0.09653
<b>Rate SGDS - Small General Distribution Service</b>							
Priority One (P1)	\$ 0.14145	(0.01422)	-	-	0.00010	-	0.12733
Non-Priority One (NP1)	-	-	-	-	0.00010	-	0.00010
<b>Rate SDS - Small Distribution Service</b>	\$ -	-	-	-	-	-	-
<b>Rate LDS - Large Distribution Service</b>	\$ -	-	-	-	-	-	-
<b>Rate MLDS - Main Line Distribution Service</b>	\$ -	-	-	-	-	-	-

Issued: June 30, 2016

Mark Kempic - President

Effective: July 1, 2016

**Columbia Gas of Pennsylvania, Inc.**

<b>Price-to-Compare (PTC) Summary</b>							
Rate per thm							
<u>Customer Class</u>	<u>PGCC</u>	<u>Gas Cost Adjustment</u>	<u>Capacity Assignment Factor</u>	<u>Rider GPC</u>	<u>Rider MFC</u>	<u>Total Price-to-Compare</u>	
<b>Residential</b>	\$ 0.30513	(0.06811)	0.03080	0.00695	0.00470	0.27947	
<b>Commercial &lt; = 64,400 thm/year</b>	\$ 0.30513	(0.06811)	0.03080	0.00695	0.00136	0.27613	

**Issued: June 30, 2016**

**Mark Kempic - President**

**Effective: July 1, 2016**

## RIDER PGC - PURCHASED GAS COST

### PROVISIONS FOR RECOVERY OF PURCHASED GAS COSTS

#### RIDER PGC APPLICABLE TO SALES SERVICE CUSTOMERS

Rates for each thm of gas supplied to sales customers subject to this Rider under the Rate RSS, Rate SGSS, Rate LGSS, and Rate MLSS rate schedules shall include \$0.36425 per thm for recovery of purchased gas costs. (I)  
This rate includes the commodity cost component (CC) of \$0.30513 per thm, the commodity "E" Factor component (CE) of (\$0.06811) per thm, the demand cost component (DC) of \$0.14145 per thm, and the demand "E" Factor component of (\$0.01422) per thm.

#### RIDER PGC APPLICABLE TO SGDS PRIORITY ONE CUSTOMERS

Rates for each thm of gas distributed under the Rate SGDS rate schedules for Priority-One Service customers shall include \$0.12723 per thm for recovery of Purchased Gas Demand Costs (PGDC). This rate includes the DC of \$0.14145 per thm and the demand "E" Factor component of (\$0.01422) per thm. (I)

#### RIDER PGC CHARGED TO CHOICE DISTRIBUTION SERVICE CUSTOMERS

Rates for each thm of gas distributed under Rate RDS and Rate SCD shall include \$0.09643 per thm for recovery of Purchased Gas Demand Costs. This rate includes the DC of \$0.14145 per thm, the Capacity Assignment Factor (CAF) of (\$0.03080) per thm and the DC "E" Factor component of (\$0.01422) per thm. The CAF represents costs not assignable to Choice Distribution Service customers. (I)

Such rates shall be increased or decreased, from time to time, as provided by Section 1307(f) of the Public Utility Code and the Commission's Regulations, to reflect changes in the level of purchased gas costs, as calculated in the manner set forth below.

### PRESENTATION ON CUSTOMER BILLS

For sales service customers served under Rate RSS, Rate SGSS, Rate LGSS and Rate MLSS, the Pass-through Charge includes the PGDC of \$0.14145 per thm plus the demand "E" Factor of (\$0.01422) per thm. The two factors total \$0.12723 per thm. The Gas Supply Charge includes the PGCC of \$0.30513 per thm. The Gas Cost Adjustment is the commodity "E" Factor of (\$0.06811) per thm. (I)

For General Distribution Service customers served under Priority-One Rate SGDS, the Pass-through Charge includes the PGDC of \$0.14145 per thm and the demand "E" Factor component of (\$0.01422) per thm, totaling \$0.12723 per thm. (I)

For Choice Distribution Service customers served under Rate RDS or Rate SCD, the Pass-through Charge includes the PGDC of \$0.14145 per thm, the CAF of (\$0.03080) per thm and the demand "E" Factor component of (\$0.01422) per thm, all of which total \$0.09643 per thm. (I)

### QUARTERLY UPDATES

The Company's rates for recovery of purchased gas costs are also subject to quarterly adjustments under procedures set forth in the Commission's regulations at 52.Pa. Code § 53.64 (i) (5). Such updates shall reflect, in addition to the provisions of the regulation, adjustments to the projected commodity cost of purchased gas based upon more current versions of the same sources of data and using the same methods to project the commodity cost of purchased gas approved by the Commission in the Company's most recent annual proceeding for recovery of purchased gas costs under section 1307(f) of the Public Utility Code.

(D) Indicates Decrease (I) Indicates Increase

**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" 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.

"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.

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

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 \$0.09643 per thm. Such rate shall be equal to the PGDC component of \$0.12723 per thm as calculated above, less the CAF of \$0.03080 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 \$0.03080 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 Corporation 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



COLUMBIA GAS OF PENNSYLVANIA, INC.  
COMPUTATION OF CHANGE IN RATE PURSUANT TO SECTION 1307(f)  
APPLICATION PERIOD: OCTOBER, 2015 THROUGH SEPTEMBER, 2016

Line No.	Description	Amount (1)	Change in Rate (2=3-1)	Effective 1-1-16 (3)	Change in Rate (4=5-3)	Effective 4-1-16 (5)	Change in Rate (6=7-5)	Effective 7-1-16 (7)
1	<u>Purchased Gas Commodity Cost</u>	\$						
2	Commodity Cost of Gas (Exhibit 1-B, Schedule 1)	107,704,715						
3	Projected tariff sales for the twelve billing periods of							
4	October, 2015 through September, 2016	<u>344,628,945</u> Therms						
5	PGCC (Line 2/Line 4)	0.31252	(0.03898)	0.27354	0.00000	0.27354	0.03159	0.30513
6	<u>Commodity (Over)/Under Collection</u>							
7	Commodity E-Factor							
8	(Exhibit No. 1-E)	(24,552,807)	921,053	(23,631,754)	0.00000	(23,631,754)	0.00000	(23,631,754)
9	Projected sales for the twelve billing periods of							
10	October, 2015 through September, 2016	<u>346,961,450</u> Therms		<u>346,961,450</u>		<u>346,961,450</u>		<u>346,961,450</u>
11	Commodity E-Factor (Line 8/ Line 10)	(0.07077)	0.00266	(0.06811)	0.00000	(0.06811)	0.00000	(0.06811)
12	<u>Purchased Gas Demand Cost</u>							
13	Demand cost of gas (Exhibit 1-B, Schedule 1)	62,602,665						
14	Less: Purchased Gas Demand recovered under Rate SS							
15	(Exhibit 1-A, Schedule 2, Sheet 2)	604,182						
16	Less: Purchased Gas Demand Cost allocated to Rates LTS, STS,							
17	SGS-TS and MLS (Exh 1-A, Sch 2, Page 3)	<u>0</u>						
18	Subtotal (Line 13 - Line 15 - Line 17)	61,998,483						
19	Projected sales for the twelve billing periods of							
20	October, 2015 through September, 2016	<u>475,918,191</u> Therms						
21	PGDC Rate prior to Capacity Release Credit (Line 18 / Line 20)	0.13027	0.00054	0.13081	0.00000	0.13081	0.02272	0.15353
22	Off System Sales and Capacity Release Credit	(0.01208)	0.00000	(0.01208)	0.00000	(0.01208)	0.00000	(0.01208)
23	PGDC Rate	0.11819	0.00054	0.11873	0.00000	0.11873	0.02272	0.14145
24	<u>Demand (Over)/Under Collection</u>							
25	Demand E-Factor							
26	(Exhibit No. 1-E)	(6,509,238)	(259,942)	(6,769,180)	0.00000	(6,769,180)	0.00000	(6,769,180)
27	Projected sales for the twelve billing periods of							
28	October, 2015 through September, 2016	<u>475,918,191</u> Therms		<u>475,918,191</u>		<u>475,918,191</u>		<u>475,918,191</u>
29	Demand E-Factor (Line 26 / Line 28)	(0.01368)	(0.00054)	(0.01422)	0.00000	(0.01422)	0.00000	(0.01422)
30	<u>Total Purchased Gas Cost</u>							
31	PGCC Rate (Line 5)	0.31252	(0.03898)	0.27354	0.00000	0.27354	0.03159	0.30513
32	PGDC Rate (Line 23)	0.11819	0.00054	0.11873	0.00000	0.11873	0.02272	0.14145
33	PGC Rate	0.43071	(0.03844)	0.39227	0.00000	0.39227	0.05431	0.44658
34	Currently effective PGC	0.49565		0.43071		0.39227		0.39227
35	Increase (Decrease) in PGC	(0.06494)		(0.03844)		0.00000		0.05431
36	<u>Net (Over) Under Collection</u>							
37	Commodity E-Factor (Line 11)	(0.07077)	0.00266	(0.06811)	0.00000	(0.06811)	0.00000	(0.06811)
38	Demand E-Factor (Line 29)	(0.01368)	(0.00054)	(0.01422)	0.00000	(0.01422)	0.00000	(0.01422)
39	E-Factor	(0.08445)	0.00212	(0.08233)	0.00000	(0.08233)	0.00000	(0.08233)
40	Currently effective E-Factor	(0.02775)		(0.08445)		(0.08233)		(0.08233)
41	Increase (Decrease) in E-Factor	(0.05670)		0.00212		0.00000		0.00000
42	PGC Rate	0.43071	(0.03844)	0.39227	0.00000	0.39227		0.44658
43	E-Factor	(0.08445)	0.00212	(0.08233)	0.00000	(0.08233)		(0.08233)
44	Total Rate	0.34626	(0.03632)	0.30994	0.00000	0.30994		0.36425
45	Currently effective Rate	0.46790		0.34626		0.30994		0.30994
46	Increase (Decrease) in Rate	(0.12164)		(0.03632)		0.00000		0.05431

1\_/ Includes 131,289,246 Therm Transportation Quantities for the Company's Choice Program

COLUMBIA GAS OF PENNSYLVANIA, INC.  
QUARTERLY PURCHASED GAS ADJUSTMENT  
INCREMENTAL CHANGE EFFECTIVE JULY 1, 2016

	Projected Over/(Under) Collection	Actual Over/(Under) Collection	Difference	Projected Sales	Change In Rate
	(1)	(2)	(3)	(4)	(5=3/4)
	\$	\$	\$	(Therms)	(\$/Therm)
<b>C-FACTOR</b>					
<u>Commodity Cost of Gas</u>					
1	October, 2015	(1,291,519)	(2,625,974)	1,334,455	
2	November, 2015	(4,402,601)	(993,833)	(3,408,769)	
3	Change in PGCC -- January 1	(5,694,120)	(3,619,807)	(2,074,314)	344,628,945 (0.00602)
4	December, 2015	(4,136,070)	1,348,674	(5,484,744)	
5	January, 2016	(1,240,504)	(8,203,925)	6,963,421	
6	February, 2016	(1,201,138)	1,361,137	(2,562,275)	
7	Change in PGCC -- July 1	(6,577,712)	(5,494,114)	(1,083,598)	344,628,945 (0.00314)
8	March, 2016	616,092	2,804,505	(2,188,413)	
9	April, 2016	4,987,759	5,531,850	(544,091)	
10	May, 2016	2,577,941	2,330,117	247,824	
11	Change in PGCC -- July 1	8,181,792	10,666,472	(2,484,680)	344,628,945 (0.00721)
<u>Demand Cost of Gas</u>					
12	October, 2015	(4,170,076)	(3,919,054)	(251,021)	
13	November, 2015	(1,667,426)	(2,367,699)	700,273	
14	Change in PGDC -- January 1	(5,837,501)	(6,286,753)	449,252	475,918,191 0.00094
15	December, 2015	2,674,465	309,488	2,364,978	
16	January, 2016	5,768,439	3,490,668	2,277,771	
17	February, 2016	5,763,294	4,886,295	876,999	
18	Change in PGDC -- July 1	14,206,198	8,686,451	5,519,747	475,918,191 0.01160
19	March, 2016	4,228,976	2,090,774	2,138,202	
20	April, 2016	1,919,582	786,300	1,133,282	
21	May, 2016	(1,324,274)	(1,376,419)	52,145	
22	Change in PGDC -- July 1	4,824,283	1,500,655	3,323,628	475,918,191 0.00698
<b>E-FACTOR</b>					
23	Commodity E Factor	24,552,807	23,631,754	921,053	346,961,450 0.00266
24	Demand E Factor	6,509,238	6,769,180	(259,942)	475,918,191 (0.00054)
25	Change in PGCC (line 3 + line 7 + line 11 + line 23)				(0.01371)
26	Change in PGDC (line 14 + line 18 + line 22 + line 24)				0.01898

COLUMBIA GAS OF PENNSYLVANIA, INC.  
QUARTERLY PURCHASED GAS ADJUSTMENT - COMMODITY  
INCREMENTAL CHANGE EFFECTIVE JULY 1, 2016

	Original Projected Exhibit 1-B Schedule 1	Updated for 1/1/16 Exhibit 1-B Schedule 1	Difference Included in 1/1/16 GCR	Updated for 4/1/16 Exhibit 1-B Schedule 1	Difference Included in 4/1/16 GCR	Updated for 7/1/16 Exhibit 1-B Schedule 1	Difference Included in 7/1/16 GCR
	(1)	(2)	(3=2-1)	(4)	(5=4-2)	(6)	(7=6-4)
	\$	\$	\$	\$	\$	\$	\$
<u>C-FACTOR</u>							
<u>Commodity Cost of Gas</u>							
1	December, 2015	19,177,272	19,177,272	0			
2	January, 2016	23,403,029	20,454,854	(2,948,175)			
3	February	21,155,448	19,112,792	(2,042,656)			
4	March	15,767,428	14,948,955	(818,473)	14,948,955	0	
5	April	6,321,180	4,628,910	(1,692,270)	4,628,910	0	
6	May	2,603,248	2,001,018	(602,230)	2,001,018	0	
7	June	932,984	743,840	(189,144)	743,840	0	743,840
8	July	839,932	662,055	(177,877)	662,055	0	1,005,705
9	August	841,957	739,335	(102,622)	739,335	0	915,919
10	September	1,132,150	969,097	(163,053)	969,097	0	1,132,922
11	Total	92,174,627	83,438,128	(8,736,499)	24,693,210	0	3,798,385
12	Projected Sales						16,308,659
13	Change in PGCC Rate per Therm						0.04194

COLUMBIA GAS OF PENNSYLVANIA, INC.  
QUARTERLY PURCHASED GAS ADJUSTMENT - DEMAND  
INCREMENTAL CHANGE EFFECTIVE JULY 1, 2016

	Original Projected Exhibit 1-B Schedule 1	Updated for 1/1/16 Exhibit 1-B Schedule 1	Difference Included in 1/1/16 GCR	Updated for 4/1/16 Exhibit 1-B Schedule 1	Difference Included in 4/1/16 GCR	Updated for 7/1/16 Exhibit 1-B Schedule 1	Difference Included in 7/1/16 GCR
	(1)	(2)	(3=2-1)	(4)	(5=4-2)	(6)	(7=6-4)
	\$	\$	\$	\$	\$	\$	\$
<u>D-FACTOR</u>							
<u>Demand Cost of Gas</u>							
1	December, 2015	5,971,403	5,971,403	0			
2	January, 2016	5,971,403	5,949,833	(21,570)			
3	February	5,971,403	5,949,833	(21,570)			
4	March	5,971,403	5,949,833	(21,570)	5,949,833	0	
5	April	4,488,514	4,475,101	(13,413)	4,475,101	0	
6	May	4,488,514	4,475,101	(13,413)	4,475,101	0	
7	June	4,488,514	4,475,101	(13,413)	4,475,101	0	4,475,101
8	July	4,488,514	4,475,101	(13,413)	4,475,101	0	4,508,414
9	August	4,488,514	4,475,101	(13,413)	4,475,101	0	4,508,414
10	September	4,488,514	4,475,101	(13,413)	4,475,101	0	4,508,414
11	Total	50,816,696	50,671,508	(145,188)	32,800,439	0	18,000,343
12	Projected Sales						24,157,861
13	Change in PGDC Rate per Therm						0.00414

COLUMBIA GAS OF PENNSYLVANIA, INC.  
ACTUAL OVER/(UNDER)COLLECTION FOR THE PERIOD  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

Line No.		Commodity			Demand		
		Actual Recoveries	Actual Gas Costs	Over/(Under)Collection	Actual Recoveries	Actual Gas Costs	Over/(Under)Collection
		(1) \$	(2) \$	(3=1-2) \$	(4) \$	(5) \$	(6=4-5) \$
	Actuals through May 2016						
1	October, 2015	3,070,964	5,696,938	(2,625,974)	1,608,216	5,527,271	(3,919,054)
2	November	5,819,580	6,813,412	(993,833)	3,219,052	5,586,751	(2,367,699)
3	December	10,845,777	9,497,103	1,348,674	5,927,072	5,617,585	309,488
4	January, 2016	15,373,219	23,577,143	(8,203,925)	9,107,459	5,616,791	3,490,668
5	February	17,245,069	15,883,932	1,361,137	10,682,018	5,795,723	4,886,295
6	March	12,696,997	9,892,492	2,804,505	7,887,367	5,796,593	2,090,774
7	April	8,055,403	2,523,553	5,531,850	5,088,022	4,301,722	786,300
8	May	4,317,267	1,987,150	2,330,117	2,742,242	4,118,661	(1,376,419)
9	June			0			0
10	July			0			0
11	August			0			0
12	September			0			0
13	Total	77,424,275	75,871,723	1,552,552	46,261,449	42,361,096	3,900,353

COLUMBIA GAS OF PENNSYLVANIA, INC.  
PURCHASED GAS COST RECOVERED UNDER RATES SS  
AND COMPUTATION OF DAILY PURCHASED GAS DEMAND  
APPLICATION PERIOD: OCTOBER, 2015 THROUGH SEPTEMBER, 2016

<u>Line No.</u>	<u>Description</u>	<u>Detail</u> (1)	<u>Total</u> (2)
1	Total estimated demand charges for the period		
2	October, 2015 through September, 2016	62,557,416	
3	Estimated Demand Quantity (Therms) 1_/	82,934,160	
4	Daily purchased gas demand rate (Line 2 / line 3)	<u>\$0.75430</u> per Therm	
5	Daily purchased gas demand (Therms)	800,400 Therms	
6	Daily purchased gas demand rate per Therm	<u>\$0.75430</u>	
7	Total rate SS Daily Demand Cost to be		
8	Recovered (Line 5 x Line 6)		<u>\$603,742</u>
9	Total Rate SS Daily Demand Cost to be		
10	Recovered (Effective January 1, 2016)		<u>\$602,781</u>
11	Difference (Line 8 minus Line 10)		\$961
12	Projected Sales for the Period October 2015 through September 2016		475,918,191
13	Rate Differential		\$ -

1\_/ Monthly Demand Billing Determinants x 12

COLUMBIA GAS OF PENNSYLVANIA, INC.  
SUMMARY OF PROJECTED SALES QUANTITIES AND REVENUES FOR THE PERIOD  
SALES AT PGCC AND PGDC RATES  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

Line No.	Month	Sales Subject To PGCC (1) Therms	PGCC Rate 1_ (2) \$/Therm	PGCC Revenue (3=1x2) \$	Sales Subject To PGDC (4) Therms	PGDC Rate 1_ (5) \$/Therm	PGDC Revenue (6=4x5) \$	Purchased Gas Cost Revenue (7=3+6) \$
1	October - 2015	8,585,485	0.31252	2,683,136	12,615,965	0.13027	1,643,482	4,326,618
2	November	22,887,597	0.31252	7,152,832	32,273,653	0.13027	4,204,289	11,357,121
3	December	48,128,766	0.31252	15,041,202	65,982,344	0.13027	8,595,520	23,636,722
4	January - 2016	65,571,273	0.29303	19,214,350	89,382,868	0.13054	11,668,040	30,882,390
5	February	65,480,932	0.27354	17,911,654	89,159,046	0.13081	11,662,895	29,574,549
6	March	56,902,270	0.27354	15,565,047	77,429,688	0.13081	10,128,577	25,693,624
7	April	35,156,355	0.27354	9,616,669	48,501,272	0.13081	6,344,451	15,961,120
8	May	16,739,634	0.27354	4,578,959	23,703,039	0.13081	3,100,595	7,679,554
9	June	8,867,974	0.27354	2,425,746	12,712,455	0.13081	1,662,916	4,088,662
10	July	5,718,059	0.28934	1,654,435	8,327,457	0.14217	1,183,915	2,838,350
11	August	5,097,869	0.30513	1,555,513	7,654,204	0.15353	1,175,150	2,730,663
12	September	<u>5,492,731</u>	0.30513	<u>1,675,997</u>	<u>8,176,200</u>	0.15353	<u>1,255,292</u>	<u>2,931,289</u>
13	Total	344,628,945		99,075,540	475,918,191		62,625,122	161,700,662

1\_  
Excludes refunds and experienced over/undercollections

COLUMBIA GAS OF PENNSYLVANIA, INC.  
SUMMARY OF PROJECTED SALES QUANTITIES AND REVENUES FOR THE PERIOD  
SALES AT STANDBY RATE  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

Line No.	Month	Daily Purchased Gas Demand Quantity (1) Therms	Daily Gas Demand Rate (2) \$/Therm	Daily Purchased Gas Demand Revenue (3=1x2) \$
1	October - 2015	66,700	0.75485	50,348
2	November	66,700	0.75485	50,348
3	December	66,700	0.75485	50,348
4	January - 2016	66,700	0.75310	50,232
5	February	66,700	0.75310	50,232
6	March	66,700	0.75310	50,232
7	April	66,700	0.75310	50,232
8	May	66,700	0.75310	50,232
9	June	66,700	0.75310	50,232
10	July	66,700	0.75430	50,312
11	August	66,700	0.75430	50,312
12	September	<u>66,700</u>	0.75430	<u>50,312</u>
13	Total	800,400		603,372



COLUMBIA GAS OF PENNSYLVANIA, INC.  
SUMMARY OF PROJECTED SALES QUANTITIES AND REVENUES FOR THE PERIOD  
SALES AT BANKING AND BALANCING RATES  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

Line No.	Month	Lg. Quantity GDS			Sm. Quantity GDS			Total Trans.
		Deliveries (1) Therms	Rate (2) \$/Therm	Revenue (3=1x2) \$	Deliveries (4) Therms	Rate (5) \$/Therm	Revenue (6=4x5) \$	Revenue (7=3+6) \$
1	October 2015	0	0.00226	0	0	0.00697	0	0
2	November	0	0.00226	0	0	0.00697	0	0
3	December	0	0.00226	0	0	0.00697	0	0
4	January 2016	0	0.00226	0	0	0.00697	0	0
5	February	0	0.00226	0	0	0.00697	0	0
6	March	0	0.00226	0	0	0.00697	0	0
7	April	0	0.00226	0	0	0.00697	0	0
8	May	0	0.00226	0	0	0.00697	0	0
9	June	0	0.00226	0	0	0.00697	0	0
10	July	0	0.00226	0	0	0.00697	0	0
11	August	0	0.00226	0	0	0.00697	0	0
12	September	<u>0</u>	<u>0.00226</u>	<u>0</u>	<u>0</u>	<u>0.00697</u>	<u>0</u>	<u>0</u>
13	Total	0		0	0		0	0

COLUMBIA GAS OF PENNSYLVANIA, INC.  
SUMMARY OF PROJECTED TOTAL OVER/UNDERCOLLECTION  
FOR THE 2015 1307(f) PERIOD  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

Line No.	Month	Commodity Recoveries PGCC Revenue	Total Commodity Cost of Gas 1_/_	Commodity Over/ Undercollection	Demand Recoveries PGDC Revenue	Total Demand Cost of Gas 1_/_	Demand Over/ Undercollection	Total Over/ Undercollection
		(1)	(2)	(3=1-2)	(4)	(5)	(6=4-5)	(7=3+6)
		\$	\$	\$	\$	\$	\$	\$
1	October 2015	2,683,136	3,974,655	(1,291,519)	1,693,830	5,863,906	(4,170,076)	(5,461,595)
2	November	7,152,832	11,555,433	(4,402,601)	4,254,637	5,922,063	(1,667,426)	(6,070,027)
3	December	15,041,202	19,177,272	(4,136,070)	8,645,868	5,971,403	2,674,465	(1,461,605)
4	January 2016	19,214,350	20,454,854	(1,240,504)	11,718,272	5,949,833	5,768,439	4,527,935
5	February	17,911,654	19,112,792	(1,201,138)	11,713,127	5,949,833	5,763,294	4,562,155
6	March	15,565,047	14,948,955	616,092	10,178,809	5,949,833	4,228,976	4,845,068
7	April	9,616,669	4,628,910	4,987,759	6,394,683	4,475,101	1,919,582	6,907,341
8	May	4,578,959	2,001,018	2,577,941	3,150,827	4,475,101	(1,324,274)	1,253,666
9	June	2,425,746	743,840	1,681,906	1,713,148	4,475,101	(2,761,953)	(1,080,047)
10	July	1,654,435	1,005,705	648,730	1,234,227	4,508,414	(3,274,187)	(2,625,457)
11	August	1,555,513	915,919	639,594	1,225,462	4,508,414	(3,282,952)	(2,643,358)
12	September	1,675,997	1,132,922	543,075	1,305,604	4,508,414	(3,202,810)	(2,659,735)
13	Total	99,075,540	99,652,275	(576,735)	63,228,494	62,557,416	671,078	94,343

1\_/\_ Refer to Exhibit 1-B, Schedule No. 1.

Columbia Gas of Pennsylvania, Inc.  
Capacity Assignment Factor  
Assignment of FT Only

Purchased Gas Demand Charge (PGDC) Paid By the CHOICE Customer  
Rates Based on Projected Costs For 12 Months Ending September, 2016

\$62,602,665		1. Projected Demand Costs Oct. 2015 through Sept. 2016 (Exh. 1-B, Sch. 1 from Oct. 2015 PGC)
(604,182)		1a. Less Purchased Gas Demand Costs Recovered Under Rate SS (Exhibit 1-A, Schedule 1, Sheet 2)
0		1b. Less Purchased Gas Demand Allocated to Rates LTS, STS, SGS-TS, and MLS
(6,769,180)		1c. Experienced Demand Net Over Collection (Exhibit No. 1-E)
<u>\$55,229,303</u>		2. Total Adjusted Demand Costs per 1307(f) Filing (1) + (1a) + (1b) + (1c)
\$126.12 per Dth		3. Unit FT Demand Charge Per Dth of Gulf/TCO capacity the marketer would pay Gulf and TCO. (Exhibit 1-A, Schedule 3, Sheet 2)
47,592 MMDth		4. Projected Sales & Choice Requirements for 12 billing periods of October, 2015 through September, 2016
47,925 MMDth		5. Projected Sales & Choice Requirements 12 months ended September 2016, including Unaccounted For @ 0.7%
21,755 MMDth		6. Annual Injections and Withdrawals, Normal Weather
1 Dth		7a. Quantity Delivered to the Customer
<u>0.7%</u>		7b. Unaccounted-for & Co. Use Factor from Volume Balancing System
1.0070 Dth		7c. Quantity Delivered to the City Gate. (7a)/(1-7b)
\$1.1605 per Dth		8. Unit Demand Charge: (2) / (4)
\$0.0094		9a. Quarterly Purchased Gas Demand Adjustment (Jan. 1, 2016 Filing, Schedule 1, Sheet 2)
(\$0.0040)		9b. Quarterly Purchased Gas Demand Adjustment (Jan. 1, 2016 Filing, Schedule 1, Sheet 4)
\$0.0000		9c. Quarterly Purchased Gas Demand Adjustment (Apr. 1, 2016 Filing, Schedule 1, Sheet 2)
\$0.0000		9d. Quarterly Purchased Gas Demand Adjustment (Apr. 1, 2016 Filing, Schedule 1, Sheet 4)
\$0.1858		9e. Quarterly Purchased Gas Demand Adjustment (July 1, 2016 Filing, Schedule 1, Sheet 2)
<u>\$0.0414</u>		9f. Quarterly Purchased Gas Demand Adjustment (July 1, 2016 Filing, Schedule 1, Sheet 4)
\$1.3931		10. Net Unit Demand Charge (8) + (9a) + (9b) + (9c) + (9d) + (9e) + (9f)
(\$0.1208) per Dth		11. OSS and Capacity Release Credit
0.0028 Dth		12. Average Daily FT Delivery: (7c) / 365 days
\$0.3531 per Dth		13. Annual Demand Charge for the Assigned FT Capacity payable to the pipeline(s): (3) X (12)
\$1.0400 per Dth		14. Annual Demand Charge for other capacity that CPA retains (10) - (13)
0.4571 Dth		15. Quantity Injected and Withdrawn to Deliver 1 Dth to the Customer: (6) / (4)
\$0.0070		16a. Injection Charge @ \$0.0153/Dth
\$0.0015		16b. FSS Shrinkage @ 0.15 percent for gas at \$2.2311/Dth
\$0.0070		16c. Withdrawal Charge @ \$0.0153/Dth
\$0.0088		16d. SST Commodity Charge @ \$0.0193/Dth
<u>\$0.0208</u>		16e. SST retention @ 2.0420% for gas at \$2.2311/Dth
<u>\$0.0451</u> per Dth		16f. Total Annual Variable Storage Costs
\$0.3531 per Dth		17. Credit to Purchased Gas Demand Charge for the CHOICE Customer:
(\$0.0451) per Dth		17a. For Demand Cost Paid to Pipelines: = (13)
<u>\$0.3080</u> per Dth		17b. Less Storage Costs: = (16f)
<u>\$0.03080</u> per Therm		17c. Net Credit: (17a) + (17b)
<u>\$0.9643</u> per Dth		17d. Per Therm: (17c)/10 - Capacity Assignment Factor
<u>\$0.09643</u> per Therm		18. Purchased Gas Demand Charge Paid By the CHOICE Customer: (10)+(11) - (17c)
<u>\$0.09643</u> per Therm		17. Per Therm: (18)/10

Columbia Gas of Pennsylvania, Inc. (CPA)  
CPA Capacity Assignment (PCA): Assignment of FT Capacity Only  
CPA Capacity on TCO and Gulf. Cost of the Capacity Allocated to Marketers.

	<u>TCO</u> FT Capacity	<u>CGT</u> FTS-1 Capacity	<u>Total:</u> TCO and Gulf
<u>1 CPA FT Capacity on TCO and Columbia Gulf</u>			
2 CPA Contract: Dth/d	127,373	43,632	
<u>3 Projected Demand Costs</u>			
4. Annual Demand Cost 1/	\$9,366,117	\$2,247,060	
4a. Monthly Billing Determinants	127,373	43,632	
4b. Annual Demand Charge (4/ 4a)	\$73.53	\$51.50	
4c. Monthly Demand Charge (4b / number of months)	\$6.128	\$4.292	
<u>Transportation Pilot: Allocation Capacity and Costs.</u>			
5. Capacity Allocation:	1.0000	1.0208 2/	
6. Number of Months	12	12	
7. Unit Annual Cost of City Gate Capacity: (4c) x (5) x (6) \$/Dth	\$73.54	\$52.58	<u><u>\$126.12</u></u>

Notes:

1/ Projected demand costs for the period 12 months ended September, 2016.

2/  $1.020 \text{ Dth/day} = 1.000 / (1 - \text{retention}) = 1.000 / (1 - 0.02042)$

Retention Factor on TCO FTS 2.042%

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Costs  
For the Period October 2015 Through September 2016

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
1	Total Quantity													
2	DTH	1,532,000	3,780,000	6,266,000	7,505,000	6,830,000	5,083,000	2,290,000	901,000	295,000	271,000	234,000	343,000	35,330,000
3	Total Demand Costs	5,863,906	5,922,063	5,971,403	5,949,833	5,949,833	5,949,833	4,475,101	4,475,101	4,475,101	4,508,414	4,508,414	4,508,414	62,557,416
4	Total Commodity Costs	<u>3,974,655</u>	<u>11,555,433</u>	<u>19,177,272</u>	<u>20,454,854</u>	<u>19,112,792</u>	<u>14,948,955</u>	<u>4,628,910</u>	<u>2,001,018</u>	<u>743,840</u>	<u>1,005,705</u>	<u>915,919</u>	<u>1,132,922</u>	<u>99,652,275</u>
5	Total Estimated Gas Costs (Line 5 = Line 3 + Line 4)	<u><u>9,838,561</u></u>	<u><u>17,477,496</u></u>	<u><u>25,148,675</u></u>	<u><u>26,404,687</u></u>	<u><u>25,062,625</u></u>	<u><u>20,898,788</u></u>	<u><u>9,104,011</u></u>	<u><u>6,476,119</u></u>	<u><u>5,218,941</u></u>	<u><u>5,514,119</u></u>	<u><u>5,424,333</u></u>	<u><u>5,641,336</u></u>	<u><u>162,209,691</u></u>

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Costs  
Demand Costs

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1	Columbia Gas Transmission	4,919,957	4,919,957	4,919,957	4,898,923	4,898,923	4,898,923	3,545,428	3,545,428	3,545,428	3,579,231	3,579,231	3,579,231	50,830,617
2	Columbia Gulf Transmission	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	2,247,060
3	Texas Eastern Transmission	237,612	237,612	286,952	287,002	287,002	287,002	237,642	237,642	237,642	237,477	237,477	237,477	3,048,539
4	Dominion Transmission	166,253	201,416	201,416	201,570	201,570	201,570	165,371	165,371	165,371	165,371	165,371	165,371	2,166,021
5	Tennessee Gas	355,330	344,713	344,713	343,973	343,973	343,973	343,973	343,973	343,973	343,973	343,973	343,973	4,140,513
6	National Fuel Gas	16,271	16,271	16,271	16,271	16,271	16,271	16,271	16,271	16,271	15,946	15,946	15,946	194,277
7	Equitrans	6,228	39,839	39,839	39,839	39,839	39,839	4,161	4,161	4,161	4,161	4,161	4,161	230,389
8	LT-FTS Contract Demand	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Less Elective Balancing Svc. Credit	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	300,000
10	Total Demand Cost	<u>5,863,906</u>	<u>5,922,063</u>	<u>5,971,403</u>	<u>5,949,833</u>	<u>5,949,833</u>	<u>5,949,833</u>	<u>4,475,101</u>	<u>4,475,101</u>	<u>4,475,101</u>	<u>4,508,414</u>	<u>4,508,414</u>	<u>4,508,414</u>	<u>62,557,416</u>

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Costs  
Commodity Costs

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1	Term	2,219,122	1,897,682	6,345,375	2,434,560	2,481,320	1,243,651	1,460,702	1,842,172	1,956,029	2,188,949	2,237,719	2,115,134	28,422,415
2	Spot	4,299,862	810,811	1,804,594	2,327,929	1,637,658	793,807	7,310,117	6,518,888	5,133,588	5,039,887	5,365,932	5,823,438	46,866,511
3	Local	55,286	53,655	59,224	36,784	34,720	39,600	39,081	42,438	41,769	49,082	50,666	49,182	551,487
4	Storage	(2,599,615)	8,793,285	10,968,079	15,655,581	14,959,094	12,871,897	(4,180,990)	(6,402,480)	(6,387,546)	(6,272,213)	(6,738,398)	(6,854,832)	23,811,862
5	Financial Hedges	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Less LT-FTS Contract Demand	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Total Commodity Cost	<u>3,974,655</u>	<u>11,555,433</u>	<u>19,177,272</u>	<u>20,454,854</u>	<u>19,112,792</u>	<u>14,948,955</u>	<u>4,628,910</u>	<u>2,001,018</u>	<u>743,840</u>	<u>1,005,705</u>	<u>915,919</u>	<u>1,132,922</u>	<u>99,652,275</u>

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Costs  
Commodity Quantities

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
	<u>Term</u>													
1	Total-DTH	783,000	670,000	2,142,000	1,431,000	1,373,000	673,000	676,000	796,000	815,000	833,000	833,000	783,000	11,808,000
	<u>Spot</u>													
2	Total-DTH	1,797,000	290,000	666,000	1,317,000	891,000	399,000	3,818,000	3,275,000	2,514,000	2,204,000	2,332,000	2,423,000	21,926,000
	<u>Local</u>													
3	Total-DTH	22,000	21,000	22,000	22,000	20,000	22,000	21,000	22,000	21,000	22,000	22,000	21,000	258,000
	<u>Storage</u>													
4	Total-DTH	(1,070,000)	2,799,000	3,436,000	4,735,000	4,546,000	3,989,000	(2,225,000)	(3,192,000)	(3,055,000)	(2,788,000)	(2,953,000)	(2,884,000)	1,338,000
	<u>Total - All Sources</u>													
5	Total-DTH	<u>1,532,000</u>	<u>3,780,000</u>	<u>6,266,000</u>	<u>7,505,000</u>	<u>6,830,000</u>	<u>5,083,000</u>	<u>2,290,000</u>	<u>901,000</u>	<u>295,000</u>	<u>271,000</u>	<u>234,000</u>	<u>343,000</u>	<u>35,330,000</u>



COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Demand Costs  
Columbia Gas Transmission Corporation

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<u>Columbia Gas Transmission</u>														
<u>FTS</u>														
1	Billing Determinant-Dth	132,588	132,588	132,588	132,588	132,588	132,588	132,588	132,588	132,588	132,588	132,588	132,588	132,588
2	Less Capacity Release (1)	5,215	5,215	5,215	5,215	5,215	5,215	5,215	5,215	5,215	5,215	5,215	5,215	5,215
3	Net Billing Determinant - Dth	127,373	127,373	127,373	127,373	127,373	127,373	127,373	127,373	127,373	127,373	127,373	127,373	127,373
4	Demand Rate	6.1310	6.1310	6.1310	6.0950	6.0950	6.0950	6.0950	6.0950	6.0950	6.1900	6.1900	6.1900	6.1900
5	Demand Cost	780,924	780,924	780,924	776,338	776,338	776,338	776,338	776,338	776,338	788,439	788,439	788,439	9,366,117
<u>FSS-Reservation</u>														
6	Billing Determinant-Dth	456,876	456,876	456,876	456,876	456,876	456,876	456,876	456,876	456,876	456,876	456,876	456,876	456,876
7	Demand Rate	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010
8	Demand Cost	685,771	685,771	685,771	685,771	685,771	685,771	685,771	685,771	685,771	685,771	685,771	685,771	8,229,252
<u>FSS-Capacity</u>														
9	Total-DTH	25,341,126	25,341,126	25,341,126	25,341,126	25,341,126	25,341,126	25,341,126	25,341,126	25,341,126	25,341,126	25,341,126	25,341,126	25,341,126
10	Demand Rate	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288
11	Demand Cost	729,824	729,824	729,824	729,824	729,824	729,824	729,824	729,824	729,824	729,824	729,824	729,824	8,757,888
<u>SST</u>														
12	Billing Determinant-Dth	456,876	456,876	456,876	456,876	456,876	456,876	228,438	228,438	228,438	228,438	228,438	228,438	228,438
13	Demand Rate	5.9610	5.9610	5.9610	5.9250	5.9250	5.9250	5.9250	5.9250	5.9250	6.0200	6.0200	6.0200	6.0200
14	Demand Cost	2,723,438	2,723,438	2,723,438	2,706,990	2,706,990	2,706,990	1,353,495	1,353,495	1,353,495	1,375,197	1,375,197	1,375,197	24,477,360
15	Total TCO Demand Cost	4,919,957	4,919,957	4,919,957	4,898,923	4,898,923	4,898,923	3,545,428	3,545,428	3,545,428	3,579,231	3,579,231	3,579,231	50,830,617

(1) Columbia has included in the application period a projection for the release of 5,215 Dth of capacity to be released at the applicable maximum rate to a large industrial customer on Columbia's system and not subject to recall.

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Demand Costs  
Columbia Gulf Transmission Company

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	<u>Columbia Gulf Transmission</u>													
	<u>FTS-1</u>													
1	Billing Determinant-Dth	43,632	43,632	43,632	43,632	43,632	43,632	43,632	43,632	43,632	43,632	43,632	43,632	43,632
2	Demand Rate	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917
3	Demand Cost	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	2,247,060
4	Total Columbia Gulf Demand Cost	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	187,255	2,247,060

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Demand Costs  
Texas Eastern Transmission Corporation

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<u>FT1-TCO Delmont</u>														
1	Billing Determinant-Dth	3,082	3,082	3,082	3,082	3,082	3,082	3,082	3,082	3,082	3,082	3,082	3,082	
2	Demand Rate	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	
3	Demand Cost	28,123	28,123	28,123	28,123	28,123	28,123	28,123	28,123	28,123	28,123	28,123	28,123	337,476
<u>FT1-Uniontown</u>														
4	Billing Determinant-Dth	11,753	11,753	11,753	11,753	11,753	11,753	11,753	11,753	11,753	11,753	11,753	11,753	
5	Demand Rate	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	9.1250	
6	Demand Cost	107,246	107,246	107,246	107,246	107,246	107,246	107,246	107,246	107,246	107,246	107,246	107,246	1,286,952
<u>CDS - Eagle/Rockwood</u>														
7	Billing Determinant-Dth	2,342	2,342	2,342	2,342	2,342	2,342	2,342	2,342	2,342	2,342	2,342	2,342	
8	Demand Rate	15.0013	15.0013	15.0013	15.0053	15.0053	15.0053	15.0053	15.0053	15.0053	14.9833	14.9833	14.9833	
9	Demand Cost	35,133	35,133	35,133	35,142	35,142	35,142	35,142	35,142	35,142	35,091	35,091	35,091	421,524
<u>CDS - Rockwood</u>														
10	Billing Determinant-Dth	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
11	Demand Rate	12.9477	12.9477	12.9477	12.9517	12.9517	12.9517	12.9517	12.9517	12.9517	12.9297	12.9297	12.9297	
12	Demand Cost	64,739	64,739	64,739	64,759	64,759	64,759	64,759	64,759	64,759	64,649	64,649	64,649	776,718
<u>CDS - Chambersburg</u>														
13	Billing Determinant-Dth	158	158	158	158	158	158	158	158	158	158	158	158	
14	Demand Rate	15.0080	15.0080	15.0080	15.0120	15.0120	15.0120	15.0120	15.0120	15.0120	14.9900	14.9900	14.9900	
15	Demand Cost	2,371	2,371	2,371	2,372	2,372	2,372	2,372	2,372	2,372	2,368	2,368	2,368	28,449
<u>FT1-TCO @ Eagle Zone 3 Zone 3</u>														
16	Billing Determinant-Dth	0	0	10,000	10,000	10,000	10,000	0	0	0	0	0	0	
17	Demand Rate	0.0000	0.0000	4.9340	4.9360	4.9360	4.9360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
18	Demand Cost	0	0	49,340	49,360	49,360	49,360	0	0	0	0	0	0	197,420
19	Total TETCO Demand Cost	237,612	237,612	286,952	287,002	287,002	287,002	237,642	237,642	237,642	237,477	237,477	237,477	3,048,539

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Demand Costs  
Dominion Transmission

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	<u>Dominion Transmission</u>													
	<u>GSS - Reservation</u>													
1	Billing Determinant-Dth	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	24,000	
2	Demand Rate	1.8625	1.8625	1.8625	1.8618	1.8618	1.8618	1.8618	1.8618	1.8618	1.8618	1.8618	1.8618	
3	Demand Cost	44,700	44,700	44,700	44,683	44,683	44,683	44,683	44,683	44,683	44,683	44,683	44,683	536,247
	<u>GSS - Capacity</u>													
4	Billing Determinant-Dth	1,871,176	1,871,176	1,871,176	1,871,176	1,871,176	1,871,176	1,871,176	1,871,176	1,871,176	1,871,176	1,871,176	1,871,176	
5	Demand Rate	0.0145	0.0145	0.0145	0.0145	0.0145	0.0145	0.0145	0.0145	0.0145	0.0145	0.0145	0.0145	
6	Demand Cost	27,132	27,132	27,132	27,132	27,132	27,132	27,132	27,132	27,132	27,132	27,132	27,132	325,584
	<u>FTNN</u>													
7	Billing Determinant-Dth	0	6,000	6,000	6,000	6,000	6,000	0	0	0	0	0	0	
8	Total-DTH	0.0000	4.1564	4.1564	4.1619	4.1619	4.1619	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
9	Demand Cost	0	24,938	24,938	24,971	24,971	24,971	0	0	0	0	0	0	124,789
	<u>FT</u>													
10	Billing Determinant-Dth	22,717	25,177	25,177	25,177	25,177	25,177	22,479	22,479	22,479	22,479	22,479	22,479	
11	Total-DTH	4.1564	4.1564	4.1564	4.1619	4.1619	4.1619	4.1619	4.1619	4.1619	4.1619	4.1619	4.1619	
12	Demand Cost	94,421	104,646	104,646	104,784	104,784	104,784	93,556	93,556	93,556	93,556	93,556	93,556	1,179,401
13	Total DTI Demand Cost	166,253	201,416	201,416	201,570	201,570	201,570	165,371	165,371	165,371	165,371	165,371	165,371	2,166,021

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Demand Costs  
Tennessee Gas Pipeline Company

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<u>Tennessee Gas FT-A (Direct) New Castle - 500 Line</u>														
1	Billing Determinant-Dth	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	
2	Demand Rate	15.3455	14.8863	14.8863	14.8658	14.8658	14.8658	14.8658	14.8658	14.8658	14.8658	14.8658	14.8658	
3	Demand Cost	116,626	113,136	113,136	112,980	112,980	112,980	112,980	112,980	112,980	112,980	112,980	112,980	1,359,718
<u>Tennessee Gas FT-A (Direct) New Castle - 800 Line</u>														
4	Billing Determinant-Dth	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	8,400	
5	Demand Rate	15.3455	14.8863	14.8863	14.8658	14.8658	14.8658	14.8658	14.8658	14.8658	14.8658	14.8658	14.8658	
6	Demand Cost	128,902	125,045	125,045	124,873	124,873	124,873	124,873	124,873	124,873	124,873	124,873	124,873	1,502,849
<u>Tennessee Gas FT-A (Direct) Pitt Teminal - 500 Line</u>														
7	Billing Determinant-Dth	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	7,600	
8	Demand Rate	5.4628	5.3001	5.3001	5.2796	5.2796	5.2796	5.2796	5.2796	5.2796	5.2796	5.2796	5.2796	
9	Demand Cost	41,517	40,281	40,281	40,125	40,125	40,125	40,125	40,125	40,125	40,125	40,125	40,125	483,204
<u>Tennessee Gas FT-A (Direct) TCO - 500 Line</u>														
10	Billing Determinant-Dth	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	
11	Demand Rate	5.4628	5.3001	5.3001	5.2796	5.2796	5.2796	5.2796	5.2796	5.2796	5.2796	5.2796	5.2796	
12	Total-DTH	68,285	66,251	66,251	65,995	65,995	65,995	65,995	65,995	65,995	65,995	65,995	65,995	794,742
13	Total Tennessee Gas Demand Cost	355,330	344,713	344,713	343,973	343,973	343,973	343,973	343,973	343,973	343,973	343,973	343,973	4,140,513

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Demand Costs  
National Fuel Gas Supply

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	<u>National</u>													
1	Billing Determinant-Dth	4,304	4,304	4,304	4,304	4,304	4,304	4,304	4,304	4,304	4,304	4,304	4,304	
2	Demand Rate	3.7805	3.7805	3.7805	3.7805	3.7805	3.7805	3.7805	3.7805	3.7805	3.7049	3.7049	3.7049	
3	Demand Cost	16,271	16,271	16,271	16,271	16,271	16,271	16,271	16,271	16,271	15,946	15,946	15,946	194,277
4	Total National Fuel Demand Cost	16,271	16,271	16,271	16,271	16,271	16,271	16,271	16,271	16,271	15,946	15,946	15,946	194,277

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Demand Costs  
Equitrans

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
	<u>Equitrans FTS</u>													
1	Billing Determinant-Dth	1,121	6,509	6,509	6,509	6,509	6,509	749	749	749	749	749	749	
2	Demand Rate	5.5559	6.1206	6.1206	6.1206	6.1206	6.1206	5.5559	5.5559	5.5559	5.5559	5.5559	5.5559	
3	Demand Cost	6,228	39,839	39,839	39,839	39,839	39,839	4,161	4,161	4,161	4,161	4,161	4,161	230,389
4	Total Equitrans Demand Cost	6,228	39,839	39,839	39,839	39,839	39,839	4,161	4,161	4,161	4,161	4,161	4,161	230,389

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Commodity Costs  
Term Contracts

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
<u>TERM</u>														
<u>COLUMBIA GULF - TCO</u>														
1	Quantity - DTH	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Rate-\$/DTH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	Cost-\$	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>COLUMBIA TRANSMISSION</u>														
4	Quantity - DTH	0	0	514,000	414,000	387,000	106,000	0	0	0	0	0	0	1,421,000
5	Rate-\$/DTH	0.0000	0.0000	2.7631	1.7233	1.7886	1.8538	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
6	Cost-\$	0	0	1,420,233	713,446	692,188	196,503	0	0	0	0	0	0	3,022,370
<u>TEXAS EASTERN</u>														
7	Quantity - DTH	703,000	705,000	691,000	660,000	618,000	660,000	638,000	657,000	631,000	652,000	652,000	633,000	7,900,000
8	Rate-\$/DTH	2.7806	2.8558	2.9764	1.8651	1.9315	1.9980	2.1156	2.1862	2.2485	2.4615	2.5363	2.5768	
9	Cost-\$	1,954,762	2,013,339	2,056,692	1,230,966	1,193,667	1,318,680	1,349,753	1,436,333	1,418,804	1,604,898	1,653,668	1,631,114	18,862,676
<u>TENNESSEE GAS PIPELINE</u>														
10	Quantity - DTH	0	0	1,111,000	608,000	569,000	0	0	0	0	0	0	0	2,288,000
11	Rate-\$/DTH	0.0000	0.0000	3.0994	2.0115	2.0779	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
12	Cost-\$	0	0	3,443,433	1,222,992	1,182,325	0	0	0	0	0	0	0	5,848,750
<u>CAP</u>														
13	Quantity - DTH	243,000	235,000	243,000	235,000	220,000	235,000	228,000	235,000	228,000	220,000	220,000	213,000	2,755,000
14	Rate-\$/DTH	3.3045	3.3045	3.3045	2.9197	2.9197	2.9197	2.9197	2.9197	2.9197	3.2268	3.2268	3.2268	
15	Cost-\$	802,994	776,558	802,994	686,130	642,334	686,130	665,692	686,130	665,692	709,896	709,896	687,308	8,521,754
<u>LESS CAP BILLING</u>														
16	Quantity - DTH	(163,000)	(270,000)	(417,000)	(486,000)	(421,000)	(328,000)	(190,000)	(96,000)	(44,000)	(39,000)	(39,000)	(63,000)	(2,556,000)
17	Rate-\$/DTH	3.3045	3.3045	3.3045	2.9197	2.9197	2.9197	2.9197	2.9197	2.9197	3.2268	3.2268	3.2268	
18	Cost-\$	(538,634)	(892,215)	(1,377,977)	(1,418,974)	(1,229,194)	(957,662)	(554,743)	(280,291)	(128,467)	(125,845)	(125,845)	(203,288)	(7,833,135)
19	Total - DTH	783,000	670,000	2,142,000	1,431,000	1,373,000	673,000	676,000	796,000	815,000	833,000	833,000	783,000	11,808,000
20	Total Term Commodity													
21	Cost-\$	2,219,122	1,897,682	6,345,375	2,434,560	2,481,320	1,243,651	1,460,702	1,842,172	1,956,029	2,188,949	2,237,719	2,115,134	28,422,415



COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Commodity Costs  
Spot and Local Purchases

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
<u>SPOT</u>														
<u>Base</u>														
1	Quantity - DTH	1,797,000	290,000	666,000	1,317,000	891,000	392,000	3,772,000	3,275,000	2,514,000	2,204,000	2,332,000	2,423,000	21,873,000
2	Rate-\$/DTH	2.3928	2.7959	2.7096	1.7676	1.8380	1.9913	1.9142	1.9905	2.0420	2.2867	2.3010	2.4034	
3	Cost-\$	4,299,862	810,811	1,804,594	2,327,929	1,637,658	780,590	7,220,362	6,518,888	5,133,588	5,039,887	5,365,932	5,823,438	46,763,539
<u>Swing</u>														
4	Quantity - DTH	0	0	0	0	0	7,000	46,000	0	0	0	0	0	53,000
5	Rate-\$/DTH	0.0000	0.0000	0.0000	0.0000	0.0000	1.8881	1.9512	0.0000	0.0000	0.0000	0.0000	0.0000	
6	Cost-\$	0	0	0	0	0	13,217	89,755	0	0	0	0	0	102,972
7	Total - DTH	1,797,000	290,000	666,000	1,317,000	891,000	399,000	3,818,000	3,275,000	2,514,000	2,204,000	2,332,000	2,423,000	21,926,000
8	Total Spot													
9	Commodity Cost - \$	4,299,862	810,811	1,804,594	2,327,929	1,637,658	793,807	7,310,117	6,518,888	5,133,588	5,039,887	5,365,932	5,823,438	46,866,511
<u>Local Direct</u>														
10	Quantity - DTH	22,000	21,000	22,000	22,000	20,000	22,000	21,000	22,000	21,000	22,000	22,000	21,000	258,000
11	Rate-\$/DTH	2.5130	2.5550	2.6920	1.6720	1.7360	1.8000	1.8610	1.9290	1.9890	2.2310	2.3030	2.3420	
12	Cost-\$	55,286	53,655	59,224	36,784	34,720	39,600	39,081	42,438	41,769	49,082	50,666	49,182	551,487
13	Total - DTH	22,000	21,000	22,000	22,000	20,000	22,000	21,000	22,000	21,000	22,000	22,000	21,000	258,000
14	Total Local													
15	Commodity Cost - \$	55,286	53,655	59,224	36,784	34,720	39,600	39,081	42,438	41,769	49,082	50,666	49,182	551,487

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Commodity Costs

Storage

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
<u>DOMINION TRANSMISSION - GSS</u>														
1	Injections - DTH	(293,000)	0	0	0	0	0	(286,000)	(211,000)	(211,000)	(120,000)	(286,000)	(94,000)	(1,501,000)
2	Injection Rate - \$/Dth	2.5266	2.8156	2.9008	1.7323	1.8183	1.8983	1.9513	2.0533	2.1290	2.3791	2.4017	2.4753	
3	Withdrawals - DTH	0	106,000	380,000	528,000	317,000	148,000	75,000	0	0	0	0	0	1,554,000
4	Withdrawal Rate - \$/Dth	3.0773	3.0773	3.0773	3.0615	3.0615	3.0571	2.8071	2.6125	2.5133	2.4917	2.4786	2.4782	
5	Cost-\$	(740,294)	326,194	1,169,374	1,616,472	970,496	452,451	(347,539)	(433,246)	(449,219)	(285,492)	(686,886)	(232,678)	1,359,633
6	Injection Rate \$/Dth	0.0318	0.0318	0.0318	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	
7	Withdrawal Rate \$/Dth	0.0220	0.0220	0.0220	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	
8	Cost - \$	9,317	2,332	8,360	9,504	5,706	2,664	8,843	5,528	5,528	3,144	7,493	2,463	70,882
<u>EQUITRANS - SS</u>														
9	Injections - DTH	(161,000)	0	0	0	0	0	(161,000)	(161,000)	(161,000)	(228,000)	(228,000)	(221,000)	(1,321,000)
10	Injection Rate - \$/Dth	2.5266	2.8156	2.9008	1.7323	1.8183	1.8983	1.9513	2.0533	2.1290	2.3791	2.4017	2.4753	
11	Withdrawals - DTH	0	75,000	375,000	375,000	300,000	0	0	0	0	0	0	0	1,125,000
12	Withdrawal Rate - \$/Dth	3.0773	3.0773	3.0773	3.0615	3.0615	3.0571	2.8071	2.6125	2.5133	2.4917	2.4786	2.4782	
13	Cost-\$	(406,783)	230,798	1,153,988	1,148,063	918,450	0	(314,159)	(330,581)	(342,769)	(542,435)	(547,588)	(547,041)	419,943
14	Inject/With. Rate \$/DTH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
15	Cost - \$	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>TCO - FSS</u>														
16	Injections - DTH	(887,000)	0	(11,000)	0	0	(48,000)	(1,934,000)	(3,264,000)	(3,264,000)	(3,061,000)	(3,059,000)	(3,130,000)	(18,658,000)
17	Injection Rate - \$/Dth	2.5266	2.8156	2.9008	1.7323	1.8183	1.8983	1.9513	2.0533	2.1290	2.3791	2.4017	2.4753	
18	Withdrawals - DTH	0	2,846,000	3,454,000	4,865,000	4,845,000	4,383,000	0	0	0	0	0	0	20,393,000
19	Withdrawal Rate - \$/Dth	3.0773	3.0773	3.0773	3.0615	3.0615	3.0571	2.8071	2.6125	2.5133	2.4917	2.4786	2.4782	
20	Cost-\$	(2,241,094)	8,757,996	10,597,085	14,894,198	14,832,968	13,308,151	(3,773,814)	(6,701,971)	(6,949,056)	(7,282,425)	(7,346,800)	(7,747,689)	20,347,549
21	Inject/With. Rate \$/DTH	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	
22	Cost - \$	13,571	43,544	53,015	74,435	74,129	67,794	29,590	49,939	49,939	46,833	46,803	47,889	597,481
23	Quantity - DTH	(1,341,000)	3,027,000	4,198,000	5,768,000	5,462,000	4,483,000	(2,306,000)	(3,636,000)	(3,636,000)	(3,409,000)	(3,573,000)	(3,445,000)	1,592,000
24	Total Purchase Cost	(3,388,171)	9,314,988	12,920,447	17,658,733	16,721,914	13,760,602	(4,435,512)	(7,465,798)	(7,741,044)	(8,110,352)	(8,581,274)	(8,527,408)	22,127,125
25	Total Inject/With. Cost	22,888	45,876	61,375	83,939	79,835	70,458	38,433	55,467	55,467	49,977	54,296	50,352	668,363

COLUMBIA GAS OF PENNSYLVANIA, INC.

Summary of Total Estimated Purchased Gas Commodity Costs  
Storage Transportation Charges

Line No.	Description	2015			2016									Total
		October	November	December	January	February	March	April	May	June	July	August	September	
<u>TCO - SST</u>														
1	Injections - DTH	(887,000)	0	(11,000)	0	0	(48,000)	(1,934,000)	(3,264,000)	(3,264,000)	(3,061,000)	(3,059,000)	(3,130,000)	(18,658,000)
2	Withdrawals - DTH	0	2,846,000	3,454,000	4,865,000	4,845,000	4,383,000	0	0	0	0	0	0	20,393,000
3	Trans. Chrg. \$/Dth	0.0196	0.0194	0.0194	0.0192	0.0192	0.0192	0.0194	0.0194	0.0194	0.0195	0.0195	0.0195	
4	Cost-\$	17,385	55,212	67,221	93,408	93,024	85,076	37,520	63,322	63,322	59,690	59,651	61,035	755,866
<u>DOMINION TRANSMISSION - GSS</u>														
5	Injections - DTH	(293,000)	0	0	0	0	0	(286,000)	(211,000)	(211,000)	(120,000)	(286,000)	(94,000)	(1,501,000)
6	Withdrawals - DTH	0	106,000	380,000	528,000	317,000	148,000	75,000	0	0	0	0	0	1,554,000
7	Rate-\$/DTH	0.0196	0.0182	0.0182	0.0142	0.0142	0.0142	0.0194	0.0194	0.0194	0.0195	0.0195	0.0195	
8	Cost-\$	5,743	1,929	6,916	7,498	4,501	2,102	7,003	4,093	4,093	2,340	5,577	1,833	53,628
<u>EQUITRANS - SS</u>														
9	Injections - DTH	(161,000)	0	0	0	0	0	(161,000)	(161,000)	(161,000)	(228,000)	(228,000)	(221,000)	(1,321,000)
10	Withdrawals - DTH	0	75,000	375,000	375,000	300,000	0	0	0	0	0	0	0	1,125,000
11	Rate-\$/DTH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
12	Cost-\$	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Total Storage - DTH	(1,341,000)	3,027,000	4,198,000	5,768,000	5,462,000	4,483,000	(2,306,000)	(3,636,000)	(3,636,000)	(3,409,000)	(3,573,000)	(3,445,000)	1,592,000
14	Total EUB - DTH	271,000	(228,000)	(762,000)	(1,033,000)	(916,000)	(494,000)	81,000	444,000	581,000	621,000	620,000	561,000	(254,000)
15	Total DTH	(1,070,000)	2,799,000	3,436,000	4,735,000	4,546,000	3,989,000	(2,225,000)	(3,192,000)	(3,055,000)	(2,788,000)	(2,953,000)	(2,884,000)	1,338,000
16	Total Purchase Cost	(3,388,171)	9,314,988	12,920,447	17,658,733	16,721,914	13,760,602	(4,435,512)	(7,465,798)	(7,741,044)	(8,110,352)	(8,581,274)	(8,527,408)	22,127,125
17	Total Choice Bank Cost	742,540	(624,720)	(2,087,880)	(2,187,997)	(1,940,180)	(1,046,341)	171,566	940,436	1,230,616	1,726,132	1,723,352	1,559,356	206,879
18	Total Inject/With. Cost	22,888	45,876	61,375	83,939	79,835	70,458	38,433	55,467	55,467	49,977	54,296	50,352	668,363
19	Total Transp. Charge	23,128	57,141	74,137	100,906	97,525	87,178	44,523	67,415	67,415	62,030	65,228	62,868	809,494
20	Total Storage Cost	(2,599,615)	8,793,285	10,968,079	15,655,581	14,959,094	12,871,897	(4,180,990)	(6,402,480)	(6,387,546)	(6,272,213)	(6,738,398)	(6,854,832)	23,811,862

COLUMBIA GAS OF PENNSYLVANIA, INC.  
STATEMENT OF COMMODITY OVER/(UNDER) COLLECTIONS FROM GAS COST RATE  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

Line No.	Month	Total Commodity Sales Revenue (1) \$	Rate Schedule NSS Gas Cost Recovery (2) \$	Total Commodity Purchase Gas Cost Recovery (3 = 1 + 2) \$	Total Commodity Cost of Fuel (4) \$	Total Commodity Over/(Under) Collection (5 = 3 - 4) \$	Number of Months (6)	Rate (7)	Commodity Over/(Under) Collection Interest (8 = 5 x 6 x 7)	Total Commodity Over/(Under) Collection (9 = 5 + 8)
	Reference:	Sch. 4, Pg. 2	Sch. 4, Pg. 3							
<i>Actuals through May 2016</i>										
1	October, 2015	3,063,399	7,565	3,070,964	5,696,938	(2,625,974)	18 / 12	8.00%	(315,117)	(2,941,091)
2	November	5,804,706	14,873	5,819,580	6,813,412	(993,833)	17 / 12	8.00%	(112,634)	(1,106,467)
3	December	10,829,408	16,369	10,845,777	9,497,103	1,348,674	16 / 12	8.00%	143,859	1,492,533
4	January, 2016	15,352,521	20,697	15,373,218	23,577,144	(8,203,926)	15 / 12	8.00%	(820,393)	(9,024,319)
5	February	17,220,951	24,117	17,245,069	15,883,932	1,361,137	14 / 12	8.00%	127,039	1,488,176
6	March	12,682,943	14,055	12,696,997	9,892,492	2,804,505	13 / 12	8.00%	243,057	3,047,562
7	April	8,044,202	11,201	8,055,403	2,523,553	5,531,850	12 / 12	8.00%	442,548	5,974,398
8	May	4,307,404	9,863	4,317,267	1,987,150	2,330,118	11 / 12	8.00%	170,875	2,500,993
9	June	0	0	0	0	0	10 / 12	8.00%	0	0
10	July	0	0	0	0	0	9 / 12	8.00%	0	0
11	August	0	0	0	0	0	8 / 12	8.00%	0	0
12	September	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	7 / 12	8.00%	<u>0</u>	<u>0</u>
13	TOTAL	<u><u>77,305,533</u></u>	<u><u>118,742</u></u>	<u><u>77,424,275</u></u>	<u><u>75,871,724</u></u>	<u><u>1,552,551</u></u>			<u><u>(120,766)</u></u>	<u><u>1,431,785</u></u>

COLUMBIA GAS OF PENNSYLVANIA, INC.  
STATEMENT OF DEMAND OVER/(UNDER) COLLECTIONS FROM GAS COST RATE  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

Line No.	Month	Total Demand Sales Revenue (1) \$	Total Banking and Balancing Revenue (2) \$	Total Standby Demand Revenue (3) \$	NSS Capacity Release Revenue (4) \$	Demand Purchased Gas Cost Recovery (5 = 1+2+3+4) \$	Demand Cost of Fuel (6) \$	Total Demand Over/(Under) Collection (7 = 5 - 6) \$	Number of Months (8)	Rate (9)	Demand Over/(Under) Collection Interest (10 = 7 x 8 x 9)	Total Demand Over/(Under) Collection (11 = 7 + 10)
	Reference:	Sch. 4, Pg. 4	Sch. 4, Pg. 6	Sch. 4, Pg. 5	Sch. 4, Pg. 6							
	<i>Actuals through May 2016</i>											
1	October, 2015	1,558,194	73	49,920	30	1,608,216	5,527,271	(3,919,054)	18 / 12	6.00%	(352,715)	(4,271,769)
2	November	3,168,467	168	50,349	69	3,219,052	5,586,751	(2,367,698)	17 / 12	6.00%	(201,254)	(2,568,952)
3	December	5,875,908	177	50,349	638	5,927,072	5,617,585	309,488	16 / 12	6.00%	24,759	334,247
4	January, 2016	9,055,921	218	50,349	972	9,107,459	5,616,791	3,490,668	15 / 12	6.00%	261,800	3,752,468
5	February	10,631,584	257	49,042	1,136	10,682,018	5,795,723	4,886,295	14 / 12	8.00%	456,054	5,342,349
6	March	7,842,226	188	44,847	107	7,887,367	5,796,593	2,090,774	13 / 12	8.00%	181,200	2,271,974
7	April	5,042,980	138	44,847	57	5,088,022	4,301,722	786,300	12 / 12	8.00%	62,904	849,204
8	May	2,697,230	116	44,847	48	2,742,242	4,118,661	(1,376,419)	11 / 12	8.00%	(100,937)	(1,477,356)
9	June	0	0	0	0	0	0	0	10 / 12	8.00%	0	0
10	July	0	0	0	0	0	0	0	9 / 12	8.00%	0	0
11	August	0	0	0	0	0	0	0	8 / 12	8.00%	0	0
12	September	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	7 / 12	8.00%	<u>0</u>	<u>0</u>
13	TOTAL	<u>45,872,510</u>	<u>1,334</u>	<u>384,549</u>	<u>3,056</u>	<u>46,261,449</u>	<u>42,361,097</u>	<u>3,900,352</u>			<u>331,811</u>	<u>4,232,163</u>

COLUMBIA GAS OF PENNSYLVANIA, INC.  
DETAIL OF COMMODITY GAS COST RECOVERY  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

LINE NO.	MONTH	SALES	COMMODITY	TOTAL
		SUBJECT TO COMMODITY COST OF GAS	COST OF GAS	COMMODITY COST RECOVERY
		(1)	(2)	(3 = 1 x 2)
		THERM	\$/THERM	\$
1	October, 2015 Est. Old	4,515,622	0.37614	1,698,506
2	October, 2015 Est. New	4,408,533	0.31252	1,377,755
3	September, 2015 Est.	(5,790,556)	0.37614	(2,178,060)
4	September, 2015 Act.	5,763,556	0.37614	2,167,904
5	September - Interruptible Less NSS Act.	(70)	0.28085	(20)
6	September Act. Prior Period Adjustments		0.00000	(2,686)
7	Total	8,897,085		3,063,399
8	November, 2015 Est.	18,657,190	0.31252	5,830,745
9	October, 2015 Est. Old	(4,515,622)	0.37614	(1,698,506)
10	October, 2015 Est. New	(4,408,533)	0.31252	(1,377,755)
11	October, 2015 Act. Old	4,477,698	0.37614	1,684,241
12	October, 2015 Act. New	4,371,507	0.31252	1,366,183
13	October - Interruptible Less NSS Act.	0	0.41288	0
14	October Act. Prior Period Adjustments		0.00000	(203)
15	Total	18,582,240		5,804,706
16	December, 2015 Est.	34,991,405	0.31252	10,935,514
17	November, 2015 Est.	(18,657,190)	0.31252	(5,830,745)
18	November, 2015 Act.	18,317,820	0.31252	5,724,685
19	November - Interruptible Less NSS Act.	(870)	0.21269	(185)
20	November Act. Prior Period Adjustments		-	139
21	Total	34,651,165		10,829,408
22	January, 2016 Est. Old	19,480,120	0.31252	6,087,927
23	January, 2016 Est. New	34,184,122	0.27354	9,350,725
24	December, 2015 Est.	(34,991,405)	0.31252	(10,935,514)
25	December, 2015 Act.	34,708,925	0.31252	10,847,233
26	December - Interruptible Less NSS Act.	0	0.67290	0
27	December Act. Prior Period Adjustments	0	-	2,150
28	Total	53,381,762		15,352,521

COLUMBIA GAS OF PENNSYLVANIA, INC.  
DETAIL OF COMMODITY GAS COST RECOVERY  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

LINE NO.	MONTH	SALES	COMMODITY	TOTAL
		SUBJECT TO	COST OF	COMMODITY
		COST OF GAS	GAS	COST RECOVERY
		(1)	(2)	(3 = 1 x 2)
		THERM	\$/THERM	\$
1	February, 2016 Est.	63,292,534	0.27354	17,313,040
2	January, 2016 Est. Old	(19,480,120)	0.31252	(6,087,927)
3	January, 2016 Est. New	(34,184,122)	0.27354	(9,350,725)
4	January, 2016 Act. Old	19,359,466	0.31252	6,050,220
5	January, 2016 Act. New	33,972,396	0.27354	9,292,809
6	January - Interruptible Less NSS Act.	270	0.28910	78
7	January Act. Prior Period Adjustments		-	3,456
8	Total	62,960,424		17,220,951
9	March, 2016 Est.	46,519,284	0.27354	12,724,885
10	February, 2016 Est.	(63,292,534)	0.27354	(17,313,040)
11	February, 2016 Act.	63,138,254	0.27354	17,270,838
12	February - Interruptible Less NSS Act.	1,100	0.25478	280
13	February Act. Prior Period Adjustments		-	(21)
14	Total	46,366,104		12,682,943
15	April, 2016 Est.	29,699,130	0.27354	8,123,900
16	March, 2016 Est.	(46,519,284)	0.27354	(12,724,885)
17	March, 2016 Act.	46,201,764	0.27354	12,638,031
18	March - Interruptible Less NSS Act.	4,560	0.22069	1,006
19	March Act. Prior Period Adjustments		-	6,150
20	Total	29,386,170		8,044,202
21	May, 2016 Est.	15,921,580	0.27354	4,355,189
22	April, 2016 Est.	(29,699,130)	0.27354	(8,123,900)
23	April, 2016 Act.	29,518,760	0.27354	8,074,562
24	April - Interruptible Less NSS Act.	2,670	0.24694	659
25	April Act. Prior Period Adjustments	0	-	894
26	Total	15,743,880		4,307,404

COLUMBIA GAS OF PENNSYLVANIA, INC.  
DETAIL OF COMMODITY GAS COST RECOVERY  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

LINE NO.	MONTH	SALES	COMMODITY	TOTAL
		SUBJECT TO	COST OF	COMMODITY
		COST OF GAS	GAS	COST RECOVERY
		(1)	(2)	(3 = 1 x 2)
		THERM	\$/THERM	\$
1	June, 2016 Est.	0	-	0
2	May, 2016 Est.	0	-	0
3	May, 2016 Act.	0	-	0
4	May - Interruptible Less NSS Act.	0	-	0
5	May Act. Prior Period Adjustments	0	-	0
6	Total	0		0
7	July, 2016 Est. Old	0	-	0
8	July, 2016 Est. New	0	-	0
9	June, 2016 Est.	0	-	0
10	June, 2016 Act.	0	-	0
11	June - Interruptible Less NSS Act.	0	-	0
12	June Act. Prior Period Adjustments	0	-	0
13	Total	0		0
14	August, 2016 Est.	0	-	0
15	July, 2016 Est. Old	0	-	0
16	July, 2016 Est. New	0	-	0
17	July, 2016 Act. Old	0	-	0
18	July, 2016 Act. New	0	-	0
19	July - Interruptible Less NSS Act.	0	-	0
20	July Act. Prior Period Adjustments	0	-	0
21	Total	0		0
22	September, 2016 Est.	0	-	0
23	August, 2016 Est.	0	-	0
24	August, 2016 Act.	0	-	0
25	August - Interruptible Less NSS Act.	0	-	0
26	August Act. Prior Period Adjustments	0	-	0
27	Total	0		0
28	TOTAL	269,968,830		77,305,533



COLUMBIA GAS OF PENNSYLVANIA, INC.  
DETAIL OF NSS COMMODITY COST RECOVERY  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

LINE NO.	MONTH	RATE SCHEDULE NSS		NSS GAS COST RECOVERY
		VOLUMES (1) THERM	RATE (2) \$/THERM	(3=1*2) \$
1	October, 2015 Est.	35,001	0.23697	8,294
2	September, 2015 Act.	22,110	0.25171	5,565
3	September, 2015 Est.	<u>(25,007)</u>	0.25171	<u>(6,295)</u>
4		32,104		7,565
5	November, 2015 Est.	60,006	0.19195	11,518
6	October, 2015 Act.	49,160	0.23697	11,649
7	October, 2015 Est.	<u>(35,001)</u>	0.23697	<u>(8,294)</u>
8		74,165		14,873
9	December, 2015 Est.	80,000	0.20866	16,693
10	November, 2015 Act.	58,320	0.19195	11,195
11	November, 2015 Est.	<u>(60,006)</u>	0.19195	<u>(11,518)</u>
12		78,314		16,369
13	January, 2016 Est.	100,004	0.21431	21,432
14	December, 2015 Act.	76,480	0.20866	15,958
15	December, 2015 Est.	<u>(80,000)</u>	0.20866	<u>(16,693)</u>
16		96,484		20,697
17	February, 2016 Est.	100,006	0.21211	21,212
18	January, 2016 Act.	113,560	0.21431	24,337
19	January, 2016 Est.	<u>(100,004)</u>	0.21431	<u>(21,432)</u>
20		113,562		24,117
21	March, 2016 Est.	80,005	0.16715	13,373
22	February, 2016 Act.	103,220	0.21211	21,894
23	February, 2016 Est.	<u>(100,006)</u>	0.21211	<u>(21,212)</u>
24		83,219		14,055
25	April, 2016 Est.	60,002	0.18458	11,075
26	March, 2016 Act.	80,760	0.16715	13,499
27	March, 2016 Est.	<u>(80,005)</u>	0.16715	<u>(13,373)</u>
28		60,757		11,201
29	May, 2016 Est.	34,996	0.19514	6,829
30	April, 2016 Act.	76,440	0.18458	14,109
31	April, 2016 Est.	<u>(60,002)</u>	0.18458	<u>(11,075)</u>
32		51,434		9,863
33	June, 2016 Est.	0	-	0
34	May, 2016 Act.	0	-	0
35	May, 2016 Est.	<u>0</u>	-	<u>0</u>
36		0		0
37	July, 2016 Est.	0	-	0
38	June, 2016 Act.	0	-	0
39	June, 2016 Est.	<u>0</u>	-	<u>0</u>
40		0		0
41	August, 2016 Est.	0	-	0
42	July, 2016 Act.	0	-	0
43	July, 2016 Est.	<u>0</u>	-	<u>0</u>
44		0		0
45	September, 2016 Est.	0	-	0
46	August, 2016 Act.	0	-	0
47	August, 2016 Est.	<u>0</u>	-	<u>0</u>
48		0		0
49	TOTAL	<u>590,039</u>		<u>118,742</u>

COLUMBIA GAS OF PENNSYLVANIA, INC.  
DETAIL OF DEMAND GAS COST RECOVERY  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

LINE NO.	MONTH	VOLUMES SUBJ.	COST OF	DEMAND
		TO DEMAND	GAS	COST
		COST OF GAS		RECOVERY
		(1)	(2)	(3 = 1 x 2)
		THERM	\$/THERM	\$
1	October, 2015 Est. Old	4,515,622	0.13501	609,654
2	October, 2015 Est. New	4,408,533	0.13027	574,300
3	October Choice - Est. Old	1,624,024	0.10511	170,701
4	October Choice - Est. New	1,690,311	0.09984	168,761
5	October Est. Priority One Transportation Old	178,066	0.13501	24,041
6	October Est. Priority One Transportation New	173,844	0.13027	22,647
7	September, 2015 Est.	(5,790,556)	0.13501	(781,783)
8	September 2015 Act.	5,763,556	0.13501	778,138
9	September Choice - Est.	(2,032,880)	0.10511	(213,676)
10	September Choice - Act.	2,032,880	0.10511	213,676
11	September Est. Priority One Transportation	(282,250)	0.13501	(38,107)
12	September Act. Priority One Transportation	221,040	0.13501	29,843
13	Prior Period Adjustment	0	0.00000	0
14	Total	12,502,190		1,558,194
15	November, 2015 Est. New	18,657,190	0.13027	2,430,472
16	November Choice - Est. New	6,877,229	0.09984	686,623
17	November Est. Priority One Transportation New	518,600	0.13027	67,558
18	October Est. Old	(4,515,622)	0.13501	(609,654)
19	October Est. New	(4,408,533)	0.13027	(574,300)
20	October Act. Old	4,477,698	0.13501	604,534
21	October Act. New	4,371,507	0.13027	569,476
22	October Choice - Est. Old	(1,624,024)	0.10511	(170,701)
23	October Choice - Est. New	(1,690,311)	0.09984	(168,761)
24	October Choice - Act. Old	1,624,024	0.10511	170,701
25	October Choice - Act. New	1,690,311	0.09984	168,761
26	October Est. Priority One Transportation Old	(178,066)	0.13501	(24,041)
27	October Est. Priority One Transportation New	(173,844)	0.13027	(22,647)
28	October Act. Priority One Transportation Old	154,259	0.13501	20,827
29	October Act. Priority One Transportation New	150,601	0.13027	19,619
30	Total	25,931,019		3,168,467
31	December, 2015 Est.	34,991,405	0.13027	4,558,330
32	December Choice - Est.	12,852,105	0.09984	1,283,154
33	December Est. Priority One Transportation	626,710	0.13027	81,642
34	November Est.	(18,657,190)	0.13027	(2,430,472)
35	November Act.	18,317,820	0.13027	2,386,262
36	November Choice - Est.	(6,877,229)	0.09984	(686,623)
37	November Choice - Act.	6,877,229	0.09984	686,623
38	November Est. Priority One Transportation	(518,600)	0.13027	(67,558)
39	November Act. Priority One Transportation	495,510	0.13027	64,550
40	Total	48,107,760		5,875,908
41	January, 2016 Est. Old	19,480,120	0.13027	2,537,675
42	January, 2016 Est. New	34,184,122	0.13081	4,471,625
43	January Choice - Est. Old	6,999,236	0.09984	698,804
44	January Choice - Est. New	12,335,669	0.09988	1,232,087
45	January Est. Priority One Transportation Old	376,489	0.13027	49,045
46	January Est. Priority One Transportation New	660,671	0.13081	86,422
47	December 2015 Est.	(34,991,405)	0.13027	(4,558,330)
48	December 2015 Act.	34,708,925	0.13027	4,521,532
49	December Choice - Est.	(12,852,105)	0.09984	(1,283,154)
50	December Choice - Act.	12,852,105	0.09984	1,283,154
51	December Est. Priority One Transportation	(626,710)	0.13027	(81,642)
52	December Act. Priority One Transportation	757,680	0.13027	98,703
53	Total	73,884,797		9,055,921

COLUMBIA GAS OF PENNSYLVANIA, INC.  
DETAIL OF DEMAND GAS COST RECOVERY  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

LINE NO.	MONTH	VOLUMES SUBJ.	COST OF	DEMAND
		TO DEMAND	GAS	COST
		COST OF GAS		RECOVERY
		(1)	(2)	(3 = 1 x 2)
		THERM	\$/THERM	\$
1	February, 2016 Est. New	63,292,534	0.13081	8,279,296
2	February Choice - Est. New	22,698,769	0.09988	2,267,153
3	February Est. Priority One Transportation New	974,290	0.13081	127,447
4	January Est. Old	(19,480,120)	0.13027	(2,537,675)
5	January Est. New	(34,184,122)	0.13081	(4,471,625)
6	January Act. Old	19,359,466	0.13027	2,521,958
7	January Act. New	33,972,396	0.13081	4,443,929
8	January Choice - Est. Old	(6,999,236)	0.09984	(698,804)
9	January Choice - Est. New	(12,335,669)	0.09988	(1,232,087)
10	January Choice - Act. Old	6,999,236	0.09984	698,804
11	January Choice - Act. New	12,335,669	0.09988	1,232,087
12	January Est. Priority One Transportation Old	(376,489)	0.13027	(49,045)
13	January Est. Priority One Transportation New	(660,671)	0.13081	(86,422)
14	January Act. Priority One Transportation Old	379,549	0.13027	49,444
15	January Act. Priority One Transportation New	666,041	0.13081	87,125
16	Total	86,641,643		10,631,584
17	March, 2016 Est.	46,519,284	0.13081	6,085,188
18	March Choice - Est.	16,621,588	0.09988	1,660,164
19	March Est. Priority One Transportation	710,450	0.13081	92,934
20	February Est.	(63,292,534)	0.13081	(8,279,296)
21	February Act.	63,138,254	0.13081	8,259,115
22	February Choice - Est.	(22,698,769)	0.09988	(2,267,153)
23	February Choice - Act.	22,698,769	0.09988	2,267,153
24	February Est. Priority One Transportation	(974,290)	0.13081	(127,447)
25	February Act. Priority One Transportation	1,158,690	0.13081	151,568
26	Total	63,881,442		7,842,226
27	April, 2016 Est.	29,699,130	0.13081	3,884,943
28	April Choice - Est.	10,818,471	0.09988	1,080,549
29	April Est. Priority One Transportation	700,410	0.13081	91,621
30	March Est.	(46,519,284)	0.13081	(6,085,188)
31	March Act.	46,201,764	0.13081	6,043,653
32	March Choice - Est.	(16,621,588)	0.09988	(1,660,164)
33	March Choice - Act.	16,621,588	0.09988	1,660,164
34	March Est. Priority One Transportation	(710,450)	0.13081	(92,934)
35	March Act. Priority One Transportation	919,930	0.13081	120,336
36	Total	41,109,971		5,042,980
37	May, 2016 Est.	15,921,580	0.13081	2,082,702
38	May Choice - Est. New	5,790,775	0.09988	578,383
39	May Est. Priority One Transportation New	476,180	0.13081	62,289
40	April, 2014 Est.	(29,699,130)	0.13081	(3,884,943)
41	April, 2014 Act.	29,518,760	0.13081	3,861,349
42	April Choice - Est.	(10,818,471)	0.09988	(1,080,549)
43	April Choice - Act.	10,818,471	0.09988	1,080,549
44	April Est. Priority One Transportation	(700,410)	0.13081	(91,621)
45	April Act. Priority One Transportation	680,920	0.13081	89,071
46	Total	21,988,675		2,697,230

COLUMBIA GAS OF PENNSYLVANIA, INC.  
DETAIL OF DEMAND GAS COST RECOVERY  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

LINE NO.	MONTH	VOLUMES SUBJ.	COST OF	DEMAND
		TO DEMAND	GAS	COST
		COST OF GAS		RECOVERY
		(1)	(2)	(3 = 1 x 2)
		THERM	\$/THERM	\$
1	June, 2016 Est.	0	-	0
2	June Choice - Est.	0	-	0
3	June Est. Priority One Transportation	0	-	0
4	May Est.	0	-	0
5	May Act.	0	-	0
6	May Choice - Est.	0	-	0
7	May Choice - Act.	0	-	0
8	May Est. Priority One Transportation	0	-	0
9	May Act. Priority One Transportation	0	-	0
10	Total	0		0
11	July, 2016 Est. Old	0	-	0
12	July, 2016 Est. New	0	-	0
13	July Choice - Est. Old	0	-	0
14	July Choice - Est. New	0	-	0
15	July Est. Priority One Transportation Old	0	-	0
16	July Est. Priority One Transportation New	0	-	0
17	June 2016 Est.	0	-	0
18	June 2016 Act.	0	-	0
19	June Choice - Est.	0	-	0
20	June Choice - Act.	0	-	0
21	June Est. Priority One Transportation	0	-	0
22	June Act. Priority One Transportation	0	-	0
23	Total	0		0
24	August, 2016 Est.	0	-	0
25	August Choice - Est. New	0	-	0
26	August Est. Priority One Transportation New	0	-	0
27	July 2016 Est. Old	0	-	0
28	July, 2016 Est. New	0	-	0
29	July 2016 Act. Old	0	-	0
30	July 2016 Act. New	0	-	0
31	July Choice - Est. Old	0	-	0
32	July Choice - Est. New	0	-	0
33	July Choice - Act. Old	0	-	0
34	July Choice - Act. New	0	-	0
35	July Est. Priority One Transportation Old	0	-	0
36	July Est. Priority One Transportation New	0	-	0
37	July Act. Priority One Transportation Old	0	-	0
38	July Act. Priority One Transportation New	0	-	0
39	Total	0		0
40	Sept., 2016 Est.	0	-	0
41	Sept. Choice - Est.	0	-	0
42	Sept. Est. Priority One Transportation	0	-	0
43	August Estimate	0	-	0
44	August Actual	0	-	0
45	August Choice - Est.	0	-	0
46	August Choice - Act.	0	-	0
47	August Est. Priority One Transportation	0	-	0
48	August Act. Priority One Transportation	0	-	0
49	Total	0		0
50	TOTAL	374,047,497		45,872,510

COLUMBIA GAS OF PENNSYLVANIA, INC.  
DETAIL OF STANDBY DEMAND COST RECOVERY  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

LINE NO.	MONTH	STANDBY VOLUMES	STANDBY DEMAND RATE	STANDBY GAS DEMAND RECOVERIES
		(1) THERM	(2) \$/THERM	(3 = 1 x 2) \$
1	October, 2015 Est.	0		0
2	September, 2015 Act.	66,700	0.74843	49,920
3	September, 2015 Est.	0	-	0
4		<u>66,700</u>		<u>49,920</u>
5	November, 2015 Est.	0	-	0
6	October, 2015 Act.	66,700	0.75485	50,349
7	October, 2015 Est.	0	-	0
8		<u>66,700</u>		<u>50,349</u>
9	December, 2015 Est.	0	-	0
10	November, 2015 Act.	66,700	0.75485	50,349
11	November, 2015 Est.	0	-	0
12		<u>66,700</u>		<u>50,349</u>
13	January, 2016 Est.	0	-	0
14	December, 2015 Act.	66,700	0.75485	50,349
15	December, 2015 Est.	0	-	0
16		<u>66,700</u>		<u>50,349</u>
17	February, 2016 Est.	0	-	0
18	January, 2016 Act.	65,120	0.75310	49,042
19	January, 2016 Est.	0	-	0
20		<u>65,120</u>		<u>49,042</u>
21	March, 2016 Est.	0	-	0
22	February, 2016 Act.	59,550	0.75310	44,847
23	February, 2016 Est.	0	-	0
24		<u>59,550</u>		<u>44,847</u>
25	April, 2016	0	-	0
26	March, 2016 Act.	59,550	0.75310	44,847
27	March, 2016 Est.	0	-	0
28		<u>59,550</u>		<u>44,847</u>
29	May, 2016	0	-	0
30	April, 2016 Act.	59,550	0.75310	44,847
31	April, 2016 Est.	0	-	0
32		<u>59,550</u>		<u>44,847</u>
33	June, 2016	0	-	0
34	May, 2016 Act.	0	-	0
35	May, 2016 Est.	0	-	0
36		<u>0</u>		<u>0</u>
37	July, 2016	0	-	0
38	June, 2016 Act.	0	-	0
39	June, 2016 Est.	0	-	0
40		<u>0</u>		<u>0</u>
41	August, 2016	0	-	0
42	July, 2016 Act.	0	-	0
43	July, 2016 Est.	0	-	0
44		<u>0</u>		<u>0</u>
45	September, 2016	0	-	0
46	August, 2016 Act.	0	-	0
47	August, 2016 Est.	0	-	0
48		<u>0</u>		<u>0</u>
49	TOTAL	<u>510,570</u>		<u>384,549</u>

COLUMBIA GAS OF OF PENNSYLVANIA, INC.  
DETAIL OF NSS BANKING & BALANCING AND CAPACITY RELEASE REVENUE  
OCTOBER, 2015 THROUGH SEPTEMBER, 2016

LINE NO.	DESCRIPTION	NSS-BANKING & BALANCING			NSS-CAPACITY RELEASE		
		VOLUME	RATE	AMOUNT	VOLUME	RATE	AMOUNT
		(1)	(2)	(3=1 x 2)	(4)	(5)	(6=4 x 5)
		THERM	\$/THERM	\$	THERM	\$/THERM	\$
1	October, 2015 Est.	35,001	0.00226	79	35,001	0.00093	33
2	September, 2015 Act.	22,110	0.00226	50	22,110	0.00093	21
3	September, 2015 Est.	<u>(25,007)</u>	0.00226	<u>(57)</u>	<u>(25,007)</u>	0.00093	<u>(23)</u>
4		32,104		73	32,104		30
5	November, 2015 Est.	60,006	0.00226	136	60,006	0.00093	56
6	October, 2015 Act.	49,160	0.00226	111	49,160	0.00093	46
7	October, 2015 Est.	<u>(35,001)</u>	0.00226	<u>(79)</u>	<u>(35,001)</u>	0.00093	<u>(33)</u>
8		74,165		168	74,165		69
9	December, 2015 Est.	80,000	0.00226	181	80,000	0.00800	640
10	November, 2015 Act.	58,320	0.00226	132	58,320	0.00093	54
11	November, 2015 Est.	<u>(60,006)</u>	0.00226	<u>(136)</u>	<u>(60,006)</u>	0.00093	<u>(56)</u>
12		78,314		177	78,314		638
13	January, 2016 Est.	100,004	0.00226	226	100,004	0.01000	1,000
14	December, 2015 Act.	76,480	0.00226	173	76,480	0.00800	612
15	December, 2015 Est.	<u>(80,000)</u>	0.00226	<u>(181)</u>	<u>(80,000)</u>	0.00800	<u>(640)</u>
16		96,484		218	96,484		972
17	February, 2016 Est.	100,006	0.00226	226	100,006	0.01000	1,000
18	January, 2016 Act.	113,560	0.00226	257	113,560	0.01000	1,136
19	January, 2016 Est.	<u>(100,004)</u>	0.00226	<u>(226)</u>	<u>(100,004)</u>	0.01000	<u>(1,000)</u>
20		113,562		257	113,562		1,136
21	March, 2016 Est.	80,005	0.00226	181	80,005	0.00093	74
22	February, 2016 Act.	103,220	0.00226	233	103,220	0.01000	1,032
23	February, 2016 Est.	<u>(100,006)</u>	0.00226	<u>(226)</u>	<u>(100,006)</u>	0.01000	<u>(1,000)</u>
24		83,219		188	83,219		107
25	April, 2016 Est.	60,002	0.00226	136	60,002	0.00093	56
26	March, 2016 Act.	80,760	0.00226	183	80,760	0.00093	75
27	March, 2016 Est.	<u>(80,005)</u>	0.00226	<u>(181)</u>	<u>(80,005)</u>	0.00093	<u>(74)</u>
28		60,757		138	60,757		57
29	May, 2016 Est.	34,996	0.00226	79	34,996	0.00093	33
30	April, 2016 Act.	76,440	0.00226	173	76,440	0.00093	71
31	April, 2016 Est.	<u>(60,002)</u>	0.00226	<u>(136)</u>	<u>(60,002)</u>	0.00093	<u>(56)</u>
32		51,434		116	51,434		48
33	June, 2016 Est.	0	-	0	0	-	0
34	May, 2016 Act.	0	-	0	0	-	0
35	May, 2016 Est.	<u>0</u>	-	<u>0</u>	<u>0</u>	-	<u>0</u>
36		0		0	0		0
37	July, 2016 Est.	0	-	0	0	-	0
38	June, 2016 Act.	0	-	0	0	-	0
39	June, 2016 Est.	<u>0</u>	-	<u>0</u>	<u>0</u>	-	<u>0</u>
40		0		0	0		0
41	August, 2016 Est.	0	-	0	0	-	0
42	July, 2016 Act.	0	-	0	0	-	0
43	July, 2016 Est.	<u>0</u>	-	<u>0</u>	<u>0</u>	-	<u>0</u>
44		0		0	0		0
45	September, 2016 Est.	0	-	0	0	-	0
46	August, 2016 Act.	0	-	0	0	-	0
47	August, 2016 Est.	<u>0</u>	-	<u>0</u>	<u>0</u>	-	<u>0</u>
48		0		0	0		0
49	TOTAL	<u>590,039</u>		<u>1,334</u>	<u>590,039</u>		<u>3,056</u>

COLUMBIA GAS OF PENNSYLVANIA, INC.  
COMMODITY REFUNDS RECEIVED  
FROM VARIOUS SUPPLIERS

Line No.	Month	Refund	Number of Months		Rate	Amount of Interest	Total
		(1) \$	(2)		(3) %	(4 = 1 x 2 x 3) \$	(5 = 1 + 4) \$
1	September, 2015	0	19	/ 12	6.00%	0	0
2	October	0	18	/ 12	6.00%	0	0
3	November	0	17	/ 12	6.00%	0	0
4	December	0	16	/ 12	6.00%	0	0
5	January, 2016	0	15	/ 12	6.00%	0	0
6	February	0	14	/ 12	6.00%	0	0
7	March	0	13	/ 12	6.00%	0	0
8	April	0	12	/ 12	6.00%	0	0
9	May	0	11	/ 12	6.00%	0	0
10	June	0	10	/ 12	6.00%	0	0
11	July	0	9	/ 12	6.00%	0	0
12	August	0	8	/ 12	6.00%	0	0
13	September	<u>0</u>	7	/ 12	6.00%	<u>0</u>	<u>0</u>
14	TOTAL	<u><u>0</u></u>				<u><u>0</u></u>	<u><u>0</u></u>

COLUMBIA GAS OF PENNSYLVANIA, INC.  
DEMAND REFUNDS RECEIVED  
FROM VARIOUS SUPPLIERS

Line No.	Month	Refund (1) \$	Number of Months (2)	Rate (3) %	Amount of Interest (4 = 1 x 2 x 3) \$	Total (5 = 1 + 4) \$
1	September, 2015	0	19 / 12	6.00%	0	0
2	October	0	18 / 12	6.00%	0	0
3	November	0	17 / 12	6.00%	0	0
4	December	0	16 / 12	6.00%	0	0
5	January, 2016	50,299	15 / 12	6.00%	3,772	54,071
6	February	0	14 / 12	6.00%	0	0
7	March	0	13 / 12	6.00%	0	0
8	April	0	12 / 12	6.00%	0	0
9	May	0	11 / 12	6.00%	0	0
10	June	0	10 / 12	6.00%	0	0
11	July	0	9 / 12	6.00%	0	0
12	August	0	8 / 12	6.00%	0	0
13	September	<u>0</u>	7 / 12	6.00%	<u>0</u>	<u>0</u>
14	TOTAL	<u><u>50,299</u></u>			<u><u>3,772</u></u>	<u><u>54,071</u></u>



COLUMBIA GAS OF PENNSYLVANIA, INC.  
DEMAND REFUNDS RECEIVED  
FROM VARIOUS SUPPLIERS

Line No.	Month	Refund (1) \$	Number of Months (2)	Rate (3) %	Amount of Interest (4 = 1 x 2 x 3) \$	Total (5 = 1 + 4) \$
1	September, 2014	0	31 / 12	6.00%	0	0
2	October	0	30 / 12	6.00%	0	0
3	November	0	29 / 12	6.00%	0	0
4	December	0	28 / 12	6.00%	0	0
5	January, 2015	0	27 / 12	6.00%	0	0
6	February	0	26 / 12	6.00%	0	0
7	March	0	25 / 12	6.00%	0	0
8	April	0	24 / 12	6.00%	0	0
9	May	62,370	23 / 12	6.00%	7,173	69,543
10	June	0	22 / 12	6.00%	0	0
11	July	0	21 / 12	6.00%	0	0
12	August	107,844	20 / 12	6.00%	10,784	118,628
13	September	<u>0</u>	19 / 12	6.00%	<u>0</u>	<u>0</u>
14	TOTAL	<u><u>170,213</u></u>			<u><u>17,957</u></u>	<u><u>188,170</u></u>