



UGI Utilities, Inc.

2525 N. 12th Street

Suite 360

PO Box 12677

Reading, PA 19612-2677

610-796-3400

Paul J. Szykman

Vice President - Rates & Government Relations

Vice President & General Manager - Electric Utilities

November 30, 2016

VIA E-FILING

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

Re: **UGI Penn Natural Gas, Inc.; Docket No. R- 2016-2543314;**
Purchased Gas Cost Compliance Filing Including Quarterly Adjustment;
Supplement No. 64 to Tariff PNG Gas - Pa. P.U.C. No. 8;
Supplement No. 57 to Tariff PNG Gas - Pa. P.U.C. No. 1; Effective December 1, 2016

Dear Secretary Chiavetta:

On behalf of UGI Penn Natural Gas, Inc. ("PNG"), please find enclosed for filing the above-referenced tariff supplements, including supporting schedules, in compliance with 52 Pa. Code 53.64(i)(5)(iii) and the Commission's Order entered October 27, 2016, at Docket No. R-2016-2543314. Supplement Nos. 64 and 57 incorporate the tariff changes resulting from PNG's annual 1307(f) PGC proceeding, docketed at R-2016-2543314, as well as a quarterly PGC rate change, resulting in a PGC rate decrease of \$0.5608 per Mcf, as well as a decrease in the Universal Service Program Rider Rate of \$0.0651 per Mcf. These rate changes combined result in an estimated bill reduction of approximately 7% for PNG's typical residential heating customer.

Additionally, in accordance with Act 47, PNG has removed migration rider sales volumes from the calculation of the E-Factor (Schedule C, Page 1) for the projected period, December 1, 2016 to November 30, 2017. In addition, PNG has calculated interest on the over-or-under collection using the April 1, 2016 prime rate for commercial borrowing as reported in the Wall Street Journal, which is 3.5%, beginning September 1, 2016. The tariff has been adjusted for changes related to Act 47 as well.

Copies of this filing have been served per the attached certificate of service. If you need any further information concerning this filing, please contact Stephen Anzaldo, Director - Rates & Regulatory Planning, either by phone at (610) 796-3528 or by email at sanzaldo@ugi.com.

Sincerely,

Paul J. Szykman

Enclosures: Supplement No. 64 to PNG Gas - Pa. P.U.C. No. 8
Supplement No. 57 to Tariff PNG Gas - Pa. P.U.C. No. 1
Supporting Documentation

cc: Service List

CERTIFICATE OF SERVICE

I hereby certify that I have, this 30th day of November, 2016, served a true and correct copy of the foregoing document in the manner and upon the persons listed below in accordance with requirements of 52 Pa. Code §1.54 (relating to service by a participant):

VIA FIRST CLASS MAIL:

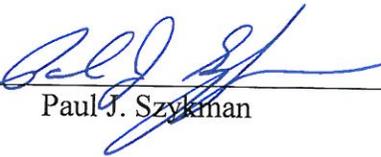
Aron J. Beatty
Assistant Consumer Advocate
Lauren M. Burge
Assistant Consumer Advocate
Office of Consumer Advocate
555 Walnut Street
5th Floor, Forum Place
Harrisburg, PA 17101-1921

Steven C. Gray
Assistant Small Business Advocate
Office of Small Business Advocate
Suite 202, Commerce Building
300 North Second Street
Harrisburg, PA 17101

Scott B. Granger, Prosecutor
Bradley Gorter, Prosecutor
Commonwealth of Pennsylvania
Pennsylvania Public Utility Commission
Bureau of Investigation and Enforcement
P.O. Box 3265
400 North Street
Harrisburg, PA 17105-3265

Robert D. Knecht
Industrial Economics, Incorporated
2067 Massachusetts Avenue
Cambridge, MA 02140

Jerome D. Mierzwa, Principal
Exeter Associates
10480 Little Patuxent Parkway
Suite 300
Columbia, MD 21044



Paul J. Szykman

UGI PENN NATURAL GAS, INC.
GAS TARIFF
INCLUDING THE GAS SERVICE TARIFF
AND
THE CHOICE SUPPLIER TARIFF

Rates and Rules
Governing the
Furnishing of
Gas Service and Choice Aggregation Service
in the
Territory Described Herein

Issued: November 30, 2016

Effective for service rendered on
and after December 1, 2016, in
accordance with 52 Pa. Code §53.64
(i)(5)(iii) and the Commission's
Order at Docket No. R-2016-2543314
entered October 27, 2016.

Issued By:

Paul J. Szykman
Vice President - Rates and Government Relations
Vice President and General Manager - Electric Utilities
2525 N. 12th Street, Suite 360
Post Office Box 12677
Reading, PA 19612-2677

<http://www.ugi.com/png>

NOTICE

This tariff makes increases, decreases, changes to existing Rules and Regulations.
(See Page 2.)

UGI PENN NATURAL GAS, INC.

LIST OF CHANGES MADE BY THIS SUPPLEMENT
(Page Numbers Refer to Official Tariff)

Table of Contents, Page 3

- The Migration Rider is removed from the contents.

Rider B, Purchased Gas Costs, Page 31

- The Revenue Sharing Allocation effective date is extended to November 30, 2021.
- The Annual C-Factor has decreased.
- The Annual E-Factor has increased.
- The total Purchased Gas Cost rate has decreased.
- Language is updated in the Quarterly Adjustments section to comply with the Settlement Agreement in this proceeding. Additionally, language referring to migration rider volumes in the calculation of the November incremental over or under collection was removed.

Rider C, Migration Rider, Page 32

- In accordance with Act 47, this page has been eliminated.

Rider D, Merchant Function Charge, Page 33

- Language referring to the Migration Rider was removed.

Rider E, Universal Service Program, Page 34

- The Universal Service Program rate has decreased.

14.B, Price to Compare, Page 35(a)

- The Annual C-Factor has decreased.
- The Annual E-Factor has increased.
- The Merchant Function Charge has decreased.
- The Price to Compare has decreased.

Rate GL, Gas Light Service, Page 52

- Rates are decreased.

Rate Schedules R, RT, N, NT, GBM, DS; Pages 49, 51, 54, 56, 59, 62

- In accordance with Act 47, the Migration Rider has been removed from the list of applicable surcharges.

Rate Schedules RT, NT, DS, LFD, XD, IS; Pages 51, 57, 63, 69, 73, 80

- The retainage rate has increased to 1.8%.

UGI PENN NATURAL GAS, INC.

TABLE OF CONTENTS

<u>Section A - Gas Service Tariff</u>	<u>PAGE</u>
<u>Title Page</u>	<u>NUMBER</u>
Title Page	1
List of Changes Made by this Supplement	2
Table of Contents	3
Table of Contents (Cont'd.)	4
Description of Territory	5
Description of Territory (Cont'd.)	6
Description of Territory (Cont'd.)	7
Description of Territory (Cont'd.)	8
Definitions - General	9
Definitions - General (Cont'd.)	10
Definitions - General (Cont'd.)	11
Definitions - General (Cont'd.)	12
Definitions - General (Cont'd.)	13
Rules and Regulations:	
1. The Gas Service Tariff	14
2. Contract for Gas Service	15
3. Guarantee of Payment	16
Guarantee of Payment (Cont'd.)	17
Guarantee of Payment (Cont'd.)	17(a)
Guarantee of Payment (Cont'd.)	17(b)
4. Service - Supply Facilities	18
5. Extension Regulation	19
Extension Regulation(Cont'd.)	20
Extension Regulation(Cont'd.)	21
Extension Regulation(Cont'd.)	21(a) - (b)
6. Customer's Responsibility for Company's Property	22
Customer's Responsibility for Company's Property (Cont'd.)	23
7. Meter Reading	24
8. Billing and Payment	25
Billing and Payment (cont'd.)	26
Billing and Payment (cont'd.)	26(a)
9. Termination and Discontinuance of Service	27
Termination and Discontinuance of Service (Cont'd.)	27(a)
10. Rider A - State Tax Adjustment Surcharge	27(a)
Rider A - State Tax Adjustment Surcharge(Cont'd.)	28
11. Rider B - Section 1307(f) Purchased Gas Costs	28
Section 1307(f) Pur. Gas Costs(Cont'd.)	29
Section 1307(f) Pur. Gas Costs(Cont'd.)	30
Section 1307(f) Pur. Gas Costs(Cont'd.)	31
12. Page intentionally left blank	32
13. Rider D - Merchant Function Charge	33
14. Rider E - Universal Service Program	34
Rider E - Universal Service Program(Cont'd.)	35
14.A Rider F - Gas Procurement Charge	35(a)
14.B Price to Compare	35(a)
14.C Rider G - Distribution System Improvement Charge	35(b) - 35(e)
15. Gas Emergency Planning	36
Gas Emergency Planning (Cont'd.)	37-40
16. GENERAL TERMS FOR DELIVERY SERVICE FOR RATES DS, LFD, XD, AND IS	41
GENERAL TERMS FOR DELIVERY SERVICE FOR RATES DS, LFD, XD, AND IS	42-47
17. GENERAL TERMS FOR INTERCONNECTION COORDINATION SERVICES FOR CONNECTING ENTITIES	47A

(C) Indicates Change

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RULES AND REGULATIONS

11. RIDER B- Continued

SECTION 1307(F) PURCHASED GAS COSTS

Revenue Sharing Allocation: Effective December 1, 2012, through November 30, 2021 the sum of the revenues derived from all Off-System Sales, Exchanges of Natural Gas, Capacity Release on interstate pipelines and Storage Asset Management, will be allocated 75% to the retail customers served and 25% to the Company. (C)

Adjustment to Rates: Whenever a change is made to the level of purchased gas costs reflected in base rates, the amount of the adjustment to the applicable rate schedules will be equal to the change in the purchased gas costs increased by the percentage of State Gross Receipts Tax recovered through base rates.

Filing with Pennsylvania Public Utility Commission: Audit, Rectification

The Company's annual Section 1307(f) filing or its annual reconciliation statement shall be submitted to the Commission by March 1 of each year, or such other time as the Commission may prescribe by order or by regulation.

The Company shall notify the Commission of any change in the price of purchased gas from any supplier which change would cause an increase or decrease of more than one percent (1%) in the "C" factor as defined above. Such notification will be given not more than thirty (30) days after the effective date of such change in price, or as soon as reasonably practical thereafter.

Quarterly Adjustments

When making the December 1, March 1, June 1 and September 1 quarterly C-factor adjustments, the Company will refund or recover all actual and projected incremental over or under collections from December 1 through November 30 over remaining PGC year sales volumes. Any quarterly PGC rate change on December 1, March 1 and June will be capped at 25% of the then-current PGC rate, with any amounts above this cap being brought forward for inclusion in the calculation of subsequent quarterly C-factor adjustments. Any quarterly PGC rate change on September 1 will be capped at 15% of the then-current PGC rate, with any amounts above this cap being brought forward for inclusion in the calculation of subsequent quarterly C-factor adjustments. (C)

Rider B - Purchased Gas Cost

Annual Gas Cost Rate	\$ 3.3279 /MCF	(D)
Annual E-Factor	(\$ 0.1733)/MCF	(I)
Purchased Gas Cost	\$ <u>3.1546</u> /MCF	(D)

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

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RULES AND REGULATIONS

(C)

THIS PAGE INTENTIONALLY LEFT BLANK

(C) Indicates Change

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.**RULES AND REGULATIONS**

13. RIDER D

MERCHANT FUNCTION CHARGEApplicability and Purpose

This Rider shall be applied to rates for each MCF (1,000 cubic feet) of gas supplied under Rate Schedules R, N, and CIAC of this Tariff, and shall be reflected in the Price to Compare. The Rider is equal to the fixed percentage, established by the PUC in Company's last general base rate proceeding, of purchased gas costs which are expected to be uncollectible, and shall not be reconciled to reflect actual results. Rider D is intended to make Company's Price to Compare more comparable to the gas supply service prices offered of other Natural Gas Suppliers that presumably reflect anticipated uncollectible expenses.

Rider D Charge

(C)

Rider D charges shall be equal to 3.20% for Residential PGC Customers and 0.4% for Non-Residential PGC Customers of Rider B (Purchased Gas Costs).

The collection of the Rider D charges will be summarized by Rate Schedule sub-accounts in the Gas Operating Revenue FERC Account No. 480000 for Rate R and 481000 for Rates N and CIAC. The associated costs are recorded in FERC Account Nos. 904001 and 904002.

(C) Indicates Change

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RULES AND REGULATIONS

14. RIDER E

UNIVERSAL SERVICE PROGRAM**APPLICABILITY**

Throughout the territory served under this Tariff.

AVAILABILITY

This Rider shall be applicable to all residential customers except customers in the Company's Customer Assistance Program ("CAP").

CHARACTER OF RATE

This Rider has been established to recover costs related to the Company's Universal Service and Conservation Programs.

RATE

In addition to the charges provided in this tariff, an amount shall be added to the otherwise applicable charge for each MCF of sales volumes or distribution volumes distributed by the Company to customers receiving service under Rate Schedules R and RT.

The USP rate is \$ 0.2426/Mcf

(D)

The USP rate is not applicable to Customers enrolled in the Company's CAP.

CALCULATION OF RATE

The Rider USP rate shall be calculated to recover costs for the following programs: Low Income Usage Reduction Program (LIURP); Customer Assistance Program (CAP); and Hardship Funds.

LIURP costs will be calculated based on the projected number of Level 1 income homes to be weatherized. Hardship Fund costs will be calculated on the projected level of an allocated share of administrative funds incurred by the UGI Operation Share Energy Fund.

CAP costs will be calculated to include the projected CAP Shortfall (the difference between the total calculated Rate R bill, excluding Rider USP and CAP customer GET Gas charges, and the CAP bill, less an adjustment for unearned shortfall amounts) based upon the current discounts at normalized annual volumes of the then-current CAP participants, the projected CAP Shortfall for projected customer additions to CAP during the period that the CAP Rider rate will be in effect at the average discount of current CAP participants at normalized annual volumes, the projected CAP customer application costs and the projected CAP pre-program arrearage forgiveness during the next 12 months.

(D) Indicates Decrease

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RULES AND REGULATIONS

14.A Rider F

GAS PROCUREMENT CHARGEApplicability

This non-reconcilable Rider shall be applied to rates for each Mcf (1,000 cubic feet) of gas supplied under Rate Schedules R, N, and CIAC of this Tariff, and shall be reflected in the Price to Compare. Effective April 3, 2013, Rider F shall be a volumetric charge as described below, and shall remain in effect until reviewed and updated in the Company's next base rate case.

Rider F, or Gas Procurement Charge ("GPC"), recovers costs associated with gas procurement that were unbundled from base rates in the Commission's Order at Docket No. R-2012-2314224. The GPC rate is calculated by dividing total unbundled gas procurement costs by the sales volumes for the 12 months ending September 30, 2012, for Rate R, N and CIAC customers as approved by the Public Utility Commission at Docket No. R-2012-2314224.

Rider F Charge

Rates: R, N and CIAC:

\$ 0.0400 per Mcf

The collection of the Rider F charges will be summarized by Rate Schedule sub-accounts in the Gas Operating Revenue FERC Account No. 480000 for Rate R and 481000 for Rates N and CIAC. The associated costs are recorded in FERC Account Nos. 920101, 920201, 920401, 920501, 921005, 923001, 923007, 926001 through 926027, 131000 through 176000 and 231000 through 245000.

14.B PRICE TO COMPARE

The Price to Compare ("PTC") is composed of the Annual Gas Cost Rate, Annual E-Factor, Gas Procurement Charge and Merchant Function Charge. The PTC rate will change whenever any components of the PTC change. The current PTC rate is detailed below:

Price to Compare - Rate Schedule R

Annual C-Factor	\$ 0.33279 / CCF	(D)
Annual E-Factor	(\$ 0.01733) / CCF	(I)
Gas Procurement Charge	\$ 0.00400 / CCF	
Merchant Function Charge	\$ 0.01009 / CCF	(D)
Total Rate Schedule R Price to Compare	<u>\$ 0.32955 / CCF</u>	(D)

Price to Compare - Rate Schedules N and CIAC

Annual C-Factor	\$ 3.3279 / MCF	(D)
Annual E-Factor	(\$ 0.1733) / MCF	(I)
Gas Procurement Charge	\$ 0.0400 / MCF	
Merchant Function Charge	\$ 0.0126 / MCF	(D)
Total Rate Schedule N Price to Compare	<u>\$ 3.2072 / MCF</u>	(D)

(I) Indicates Increase (D) Indicates Decrease

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

Rate R (Continued)

General Service Residential

MINIMUM BILL PROVISION

If natural gas service is discontinued at the request of the Customer, the Company shall not be under any obligation to resume service to the same Customer at the same premise within twelve months unless it shall receive an amount equal to the minimum charge for each month up to a maximum of twelve months of the intervening period.

Customer at the same premise who requires seasonal service and has gas shut off and turned on within twelve month period billed in an amount equal to the minimum charge under the applicable rate for each month service was shut off up to the 12 month intervening period

SURCHARGES

(C)

- Rider A - State Tax Adjustment Surcharge
- Rider D - Merchant Function Rider
- Rider E - Universal Service Program Rider
- Rider F - Gas Procurement Charge
- Rider G - Distribution System Improvement Charge

PAYMENT

In accordance with Section 8.

LATE PAYMENT CHARGE

Residential Customers will be charged a late payment charge of one and one half (1 ½) percent per month on the balance due not paid by the due date.

RULES AND REGULATIONS

All of the Rules and Regulations of this gas Tariff are a part of this Rate Schedule.

(C) Indicates Change

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

Rate RT (Continued)

General Service Residential Transportation

SURCHARGES

(C)

- Rider A - State Tax Adjustment Surcharge
- Rider E - Universal Service Program Rider
- Rider G - Distribution System Improvement Charge

PAYMENT

In accordance with Section 8.

Late Payment Charge

Residential Customers will be charged a late payment charge of one and one half (1 1/2) percent per month on the balance due not paid by the due date.

RULES AND REGULATIONS

All of the Rules and Regulations of this gas Tariff are a part of this Rate Schedule.

Where a Customer is returned to the Company or an alternate Supplier of Last Resort prior to the next regular meter reading date, due to the Licensed Choice Natural Gas Supplier's non-performance, Customer will receive service from Company or alternate Supplier of Last Resort for the remainder of the billing month at the contract rate between the Customer and Choice Supplier. Customer must provide evidence of the applicable contract rate, if requested by Company, to receive the contract rate price. As of the next regular meter read date, Customer will be transferred to Rate R, unless enrolled as a Rate RT customer by another Choice Supplier, effective as of the next regular meter read date.

General Terms

Company shall retain for Company use gas and lost and unaccounted for gas 1.8% of the total volume of gas delivered into its system for Customer's account. (I)

(I) Indicates Increase (C) Indicates Change

UGI PENN NATURAL GAS, INC.

RATE GLGAS LIGHT SERVICEAVAILABILITY

Service under this rate is limited to unmetered gas light installations being served prior to February, 1972. This service is only available for residential purposes, unless a specific exemption has been granted by the PUC.

MONTHLY RATE TABLE

Gas Service Only

Size 1	For each light having an input rating of 1.99 cubic feet per hour or less, a monthly charge of	\$12.68 per light	(D)
Size 2	For each light having an input rating of 2.00 - 2.49 cubic feet per hour or less, a monthly charge of	\$16.16 per light	(D)

SURCHARGES

- Rider A - State Tax Adjustment Surcharge
- Rider G - Distribution System Improvement Charge

PAYMENT

In accordance with Section 8 of this Tariff.

Late Payment Charge

Residential Customers will be charged a late payment charge of one and one half (1 1/2) percent per month on the balance due not paid by the due date. Non-residential Customers will be charged five (5) percent per month on the balance due not paid by the due date and an additional one and one half (1 1/2) percent per month for each month thereafter.

RULES AND REGULATIONS

All of the Rules and Regulations of this gas Tariff are a part of this Rate Schedule.

(D) Indicates Decrease

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RATE N - ContinuedMINIMUM CHARGE

The Customer Charge as set forth above.

MINIMUM BILL PROVISION

If natural gas service is discontinued at the request of the Customer, the Company shall not be under any obligation to resume service to the same Customer at the same premise within twelve months unless it shall receive an amount equal to the minimum charge for each month up to a maximum of twelve months of the intervening period.

Customer at the same premise who requires seasonal service and has gas shut off and turned on within twelve month period billed in an amount equal to the minimum charge under the applicable rate for each month service was shut off up to the 12 month intervening period.

SURCHARGES

(C)

- Rider A - State Tax Adjustment Surcharge
- Rider D - Merchant Function Rider
- Rider F - Gas Procurement Charge
- Rider G - Distribution System Improvement Charge

PAYMENT

In accordance with Section 8 of this Tariff.

Late Payment Charge

Non-Residential Customers will be charged five (5) percent per month on the balance due not paid by the due date and an additional one and one half (1 1/2) percent per month for each month thereafter.

RULES AND REGULATIONS

All of the Rules and Regulations of this gas Tariff are a part of this Rate Schedule.

(C) Indicates Change

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RATE NT - CONTINUEDMINIMUM CHARGE

The Customer Charge as set forth above.

MINIMUM BILL PROVISION

If natural gas service is discontinued at the request of the Customer, the Company shall not be under any obligation to resume service to the same Customer at the same premise within twelve months unless it shall receive an amount equal to the minimum charge for each month up to a maximum of twelve months of the intervening period.

Customer at the same premise who requires seasonal service and has gas shut off and turned on within twelve month period billed in an amount equal to the minimum charge under the applicable rate for each month service was shut off up to the 12 month intervening period.

SURCHARGES

(C)

Rider A - State Tax Adjustment Surcharge
Rider G - Distribution System Improvement Charge

PAYMENT

In accordance with Section 8 of this Tariff.

Late Payment Charge

Non-Residential Customers will be charged five (5) percent per month on the balance due not paid by the due date and an additional one and one half (1 1/2) percent per month for each month thereafter.

RULES AND REGULATIONS

All of the Rules and Regulations of this gas Tariff are a part of this Rate Schedule.

Where a Customer is returned to the Company or an alternate Supplier of Last Resort prior to the next regular meter reading date, due to the Licensed Choice Natural Gas Supplier's non-performance, Customer will receive service from Company or alternate Supplier of Last Resort for the remainder of the billing month at the contract rate between the Customer and Choice Supplier. Customer must provide evidence of the applicable contract rate, if requested by Company, to receive the contract rate price. As of the next regular meter read date, Customer will be transferred to Rate N, unless enrolled as a Rate NT customer by another Choice Supplier, effective as of the next regular meter read date.

(C) Indicates Change

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RATE NT - CONTINUED

General Terms

Company shall retain for Company use gas and lost and unaccounted for gas 1.8% (I)
of the total volume of gas delivered into its system for Customer's account.

(I) Indicates Increase

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RATE GBM - CONTINUEDADDITIONAL SERVICE PROVISIONS

1. The cost of converting a Customer's appliance to or from propane or natural gas service, unless otherwise agreed by the Company, shall be paid by the Customer.
2. The Customer shall provide a suitable location for any required propane facilities as determined by the Company.
3. If propane service is requested by a developer for a planned or actual real estate development with multiple actual or potential service locations, the developer shall enter into an agreement with the Company addressing the provision of suitable locations for required propane facilities, appliance conversion characteristics and responsibilities for use of propane distribution facilities.

SURCHARGES

Rider A - State Tax Adjustment Surcharge
 Rider D - Merchant Function Rider
 Rider E - Universal Service Program Rider if applicable
 Rider F - Gas Procurement Charge

(C)

PAYMENT

In accordance with Rule 9.

Late Payment Charge

Residential Customers will be charged a late payment charge of one and one half (1 1/2) percent per month on the balance due not paid by the due date. Non-Residential Customers will be charged five (5) percent per month on the balance due not paid by the due date and an additional one and one half (1 1/2) percent per month for each month thereafter.

RULES AND REGULATIONS

All of the Rules and Regulations of this gas Tariff are a part of this Rate Schedule.

(C) Indicates Change

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RATE DS - DELIVERY SERVICE

AVAILABILITY

This service applies in the entire territory served by the Company. Firm Delivery Service shall be provided for all volumes supplied by the Customer for which the Company has available on system delivery capacity, subject to Section 15 - Gas Emergency Planning provisions of the Company's tariff, applicable rules and regulations of the PUC and any other governmental mandates.

The Customer must execute a Service Agreement for not less than (1) one year. The contract shall continue in force for consecutive (1) year periods unless cancelled by the Customer upon ninety (90) days written notice to Company prior to the expiration of a contract term.

Should the warranty of Customer's capacity in whole or part be void or become void during the term of the delivery service contract, then unless otherwise agreed by Company, the Company shall have no service obligation thereafter and the Company may transfer the Customer to an otherwise applicable firm rate schedule.

Gas service in excess of volumes delivered by the Customer shall only be provided in accordance with applicable delivery service balancing provisions or in accordance with optionally elected and approved balancing or standby services.

Service under Rate DS is subject to the terms set forth under "General Terms for Delivery Service for Rates DS, LFD, XD, and IS".

MONTHLY RATE TABLE

The charge for each monthly billing period shall be the sum of the Customer Charge, the Capacity Charge if applicable, and the Distribution Charge as described below. The following are maximum rates.

Customer Charge: \$174.91

Plus

Maximum Distribution Charge: \$1.6171 per MCF (all volumes)

SURCHARGES

(C)

Rider A - State Tax Adjustment Surcharge
Rider G - Distribution System Improvement Charge

(C) Indicates Charge

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RATE DS (Continued)

DELIVERY SERVICE

PAYMENT

In accordance with Section 8 of this Tariff.

LATE PAYMENT CHARGE

Non-Residential Customers will be charged five (5) percent per month on the balance due not paid by the due date and an additional one and one half (1 1/2) percent per month for each month thereafter.

GENERAL TERMS

Company shall retain for Company use gas and lost and unaccounted for gas 1.8% (I) of the total volume of gas delivered into its system for Customer's account.

RULES AND REGULATIONS

All of the Rules and Regulations of this gas Tariff are a part of this Rate Schedule.

(I) Indicates Increase

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RATE LFD (Continued)

LARGE FIRM DELIVERY SERVICE

Firm Delivery Service shall be provided for all volumes provided by the Customer for which the Company has available delivery capacity, subject to the curtailment provisions of the Company's Tariff, applicable rules and regulations of the PUC and any other governmental mandates.

Gas service in excess of volumes delivered by the Customer shall only be provided in accordance with applicable delivery service balancing provisions or in accordance with optionally elected and approved balancing services.

Delivery Service in excess of the DFR is interruptible.

Service under Rate LFD is subject to the terms set forth under "General Terms for Delivery Service for Rates DS, LFD, XD, and IS."

MONTHLY FIRM REQUIREMENT

The Monthly Firm Requirement is the product of the DFR and the number of days in the Billing Month.

MONTHLY RATE TABLE

The charge for each monthly billing period shall be the sum of the Customer Charge, the Demand Charge, the Distribution Charge and any Excess Take Charge as described below. The following are maximum rates.

Customer Charge: \$499.91

Plus

Maximum Demand Charge: \$3.05 per MCF of customers elected DFR.

Plus

Maximum Distribution Charge: \$0.8510 per MCF (all volumes)

GENERAL TERMS

Company shall retain for Company use gas and lost and unaccounted for gas 1.8% of the total volume of gas delivered into its system for Customer's account.

(I)

SURCHARGES

Rider A - State Tax Adjustment Surcharge
Rider G - Distribution System Improvement Charge

PAYMENT

In accordance with Section 8 of this Tariff.

(I) Indicates Increase

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RATE XD (Continued)**EXTENDED LARGE FIRM DELIVERY SERVICE**

For Customers requesting firm service, Delivery Service shall be provided for all volumes provided by the Customer for which the Company has available delivery up to DFR, subject to the Section 15 - Gas Emergency Planning provisions of the Company's tariff, applicable rules and regulations of the PUC and any other governmental mandates.

Gas service in excess of volumes delivered by the Customer shall only be provided in accordance with applicable delivery service balancing provisions or in accordance with optionally elected and approved balancing or standby services.

Delivery Service in excess of the DFR is interruptible and will be provided under terms and conditions identical to those set forth under Rate Schedule IS.

Service under Rate XD is subject to the terms set forth under "General Terms for Delivery Service for Rates DS, LFD, XD, and IS."

MONTHLY RATE TABLE

The charge for each monthly billing period shall be negotiable and shall be the sum of the Customer Charge, Delivery Charge, Demand Charge if applicable, and the Minimum Annual Bill as described below.

The following are maximum rates.

Customer Charge: Charge as determined by negotiation.

Plus Maximum Demand Charge: Charge as determined by negotiation.

Plus Maximum Average Delivery Charge: \$0.8510 per MCF (all volumes)

SURCHARGES

Rider A - State Tax Adjustment Surcharge

Rider G - Distribution System Improvement Charge

General Terms

Unless otherwise agreed between the Customer and the Company, Company shall retain for Company use gas and lost and unaccounted for gas 1.8% of the total volume of gas delivered into its system for Customer's account. (I)

MINIMUM BILL

Minimum Bill Volumes and terms shall be determined by negotiation.

CHARGE FOR OTHER TRANSPORTATION

If the Customer chooses to use the Company as agent in regard to transportation service by others, any costs calculated by or billed to the Company, with regard to such agency, shall be billed to the Customer by the Company and may include an applicable administrative fee as agreed by the Customer and Company.

(I) Indicates Increase

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RATE IS (Continued)**INTERRUPTIBLE SERVICE**

The Minimum Annual Bill shall be calculated at the end of any Service Agreement period or anniversary and shall be due and payable in accordance with terms of the Service Agreement. Volumes of natural gas taken under this rate or Standby Service during Service Agreement period shall be credited to the Minimum Annual Bill volumes.

SURCHARGES

Rider A - State Tax Adjustment Surcharge
Rider G - Distribution System Improvement Charge

PAYMENT

In accordance with Section 8 of this Tariff.

LATE PAYMENT CHARGE

Non-Residential Customers will be charged five (5) percent per month on the balance due not paid by the due date and an additional one and one half (1 1/2) percent per month for each month thereafter.

RULES AND REGULATIONS

All of the Rules and Regulations of this gas Tariff are a part of this Rate Schedule.

CHARGE FOR UNAUTHORIZED OVERRUN

Whenever it is necessary to restrict gas supplied under this Rate, the Company will provide due notice of such restriction. If a Customer, after having received due notice of restriction, shall take gas in excess of the amount made available by such notice, then Customer shall be billed for such excess gas at the rate of Twenty Seven Dollars and Fifty Cents (\$27.50) per MCF in addition to the charge specified in the monthly rate table. Customer shall indemnify Company from any claims by third parties resulting from Customer's unauthorized overrun.

Gas delivered under the Rate IS or purchased under the Cash-Out provisions of Section 16.3 or the Retail and Standby Rider or taken under Rate NNS shall be included in the determination of Unauthorized Overrun gas.

GENERAL TERMS

Company shall retain for Company use gas and lost and unaccounted for gas 1.8% (I) of the total volume of gas delivered into its system for Customer's account.

WAIVER OF PENALTY

The Company shall have the right to waive any penalty for unauthorized use of gas.

Each Customer served under an Rate IS shall specify a Maximum Daily Quantity ("MDQ"), in MCF per day, which may be used by the Company, in such a manner and at such times as the Company deems necessary, in order to restrict customer nominations, deliveries or takes on a daily basis. The Company reserves the right to adjust Customer's MDQ at any time to reflect historic, projected or otherwise estimated maximum usage capabilities of the Customer.

(I) Indicates Increase

Issued: November 30, 2016

Effective for Service Rendered on and after
December 1, 2016

UGI PENN NATURAL GAS, INC.

RATES AND RULES GOVERNING THE FURNISHING
OF NATURAL GAS SERVICE
IN
THE TERRITORY DESCRIBED HEREIN

Issued: November 30, 2016

Effective: December 1, 2016

Effective for service rendered on and after December 1, 2016, in accordance with 52 Pa. Code §53.64 (i)(5)(iii) and the Commission's Order at Docket No. R-2016-2543314 entered October 27, 2016.

ISSUED BY:

Paul J. Szykman
Vice President - Rates and Government Relations
Vice President and General Manager - Electric Utilities
2525 N. 12th Street, Suite 360
P.O. Box 12677
Reading, PA 19612-2677

<http://WWW.UGI.COM/PNG>

NOTICE

THIS TARIFF MAKES INCREASES, DECREASES AND CHANGES IN EXISTING RATES. (See Page 2.)

UGI PENN NATURAL GAS, INC.

LIST OF CHANGES MADE BY THIS SUPPLEMENT

Natural Gas Sales Contract - Page 5

- Rates are decreased as noted.

Retainage - Pages 12 & 18

- Retainage is increased as noted.

UGI PENN NATURAL GAS, INC.

NATURAL GAS SALES CONTRACT

AGREEMENT effective September 1, 1976, by and between PNG, a Pennsylvania Corporation having its principal office at One PEI Center, Wilkes-Barre, Pennsylvania, (hereinafter called "Seller") and THE PROCTER AND GAMBLE PAPER PRODUCTS COMPANY, an Ohio Corporation having its principal office at East Sixth and Sycamore Streets, Cincinnati, Ohio, (hereinafter called "Buyer"),

WITNESSETH:

WHEREAS, Seller owns and operates a natural gas distribution system in Northeastern Pennsylvania and as a part of such system has been authorized to supply the public with gas in the Township of Washington in Wyoming County, Pennsylvania, by the Pennsylvania Public Utility Commission; and

WHEREAS, Buyer owns and operates a manufacturing plant, known as its Mehoopany Station Plant, in Washington Township, Wyoming County, Pennsylvania; and

WHEREAS, Seller is willing to supply on a firm basis such gas as Buyer desires to purchase,

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and agreements of the parties hereto, hereinafter set forth, the parties hereto, intending to be legally bound hereby, covenant and agree to and with each other as follows:

Section 1 - Gas to be Sold and Contract Demand

Subject to the provisions of this Contract, Seller agrees to sell and deliver a maximum of 13,000 MCF of natural gas per day to Buyer at its Mehoopany Station Plant, and Buyer agrees to pay Seller for all of the firm natural gas service requirements of the aforesaid Plant.

Section 2 - Price, Minimum Bill, Billing and Payment

- A. The billing period shall be the calendar month.
 B. For Seller's Obligation to supply gas and for all gas delivered under this Contract during each billing period, Buyer agrees to pay Seller the following rates at 14.73 psia:

Customer Charge		\$ 3,800.00	
for First	1,000 MCF	\$ 4,069.69	(D)
per MCF	next 2,000 MCF	4.0699	(D)
per MCF	next 7,000 MCF	3.8257	(D)
per MCF	next 70,000 MCF	3.6300	(D)
per MCF	next 70,000 MCF	3.4353	(D)
per MCF	All additional MCF	3.3488	(D)

(D) Indicates Decrease

Issued: November 30, 2016

Effective: December 1, 2016

UGI PENN NATURAL GAS, INC.

FIRM TRANSPORTATION SERVICE - SCHEDULE TS (Continued)

14. The term "Aggregator" shall mean a Customer Designated Representative that represents more than one account on the UGI Penn Natural System.

RETAINAGE

The Company shall retain a percentage of the gas received for the Customer's account as gas lost, unaccounted, and for Company operations. The percentage shall be 1.8% and remain in effect for a period of twelve (12) months beginning on (I) December 1, 2016, with subsequent reviews and updates occurring December 1 of each (C) year. Rate referenced on page no. 18.

The Company shall retain a percentage of the gas injected into or withdrawn from storage based on the actual percentage of fuel shrinkage accessed by the operators of the storage facility to the Company. The Company shall publish this percentage monthly.

SCHEDULING OF RECEIPTS AND DELIVERIES

1. The Customer or the Customer's Designated Representative shall notify the Company's Gas Dispatchers, by use of the currently effective present Company Nomination Form, as to the volume of gas expected to be used by the Customer and the volume of gas scheduled to be delivered to the Company for the upcoming month. Such notification shall be delivered to the Company's Gas Dispatcher seven (7) business days prior to the month of scheduled delivery or on such other basis as may be deemed satisfactory by the Company. Nomination Forms may be rejected by the Company Dispatcher when sufficient pipeline or source information is not provided with the Nomination Form.
2. By noon of the first business day following the delivery month, each Customer or Customer Designated Representative shall deliver to the Company's Gas Dispatcher a complete written volume allocation of gas, by contract, listing allocations of Pennsylvania and non-Pennsylvania produced gas deliveries by individual Customer meter location. Failure to do so will result in the suspension of deliveries of gas for ten (10) business days. The Company has the right to waive or shorten this time period for good cause shown.
3. The Company will only accept daily deliveries less than or equal to the Customer's Maximum Daily Transportation Quantity. Deliveries may be curtailed or reduced by the Company Dispatcher if the deliveries conflict with the Company's daily gas system operations. If deliveries are curtailed or reduced, the Company is under no obligation to accept deliveries which are in excess of the Customer's contracted Maximum Daily Transportation Quantity in order to compensate for gas not delivered during a curtailment period.

(I) Indicates Increase (C) Indicates Change

Issued: November 30, 2016

Effective: December 1, 2016

UGI PENN NATURAL GAS, INC.

FIRM TRANSPORTATION SERVICE - SCHEDULE TS (Continued)

<u>RATE SCHEDULE</u>	<u>NET MONTHLY RATE</u>
<u>TRANSPORTATION CHARGES</u>	
Customer Charge	\$3,865.00
Maximum Transportation Rate	\$0.0778/MCF
 <u>DAILY BALANCING RATE</u>	
In compliance with PNG Gas - Pa. P.U.C No. 8 Section 16.5 Maximum Daily Excess Balancing Charge	
 <u>STANDBY RATE</u>	
Per MCF of Standby Demand	
Effective: September 1, 1989	See Monthly Listing
 <u>RETAINAGE PERCENTAGE</u>	
Effective: December 1, 2016	1.8% (I)

(I)Indicates Increase

**UGI Penn Natural Gas, Inc.
Purchased Gas Cost Rate
Effective December 1, 2016**

Supporting Schedules

Schedule A
Page 1 of 1

UGI Penn Natural Gas, Inc.
Computation of the Cost of Gas
Applicable to Rates: R, N, CIAC, GL and IS

Effective December 1, 2016
Computation Year Ending November 30, 2017

C - Projected Cost	\$	72,582,094
S - Projected Sales - Mcf		21,810,059
C / S Projected Cost per Mcf	\$	3.3279
E - Experienced Cost	\$	3,779,379
E / S Experienced Cost per Mcf	\$	(0.1733)
PGC = (C/S + E/S) @ 12/1/2016 - Proposed (per Mcf)	\$	3.1546
PGC = (C/S + E/S) @ 9/1/2016 - Current (per Mcf)	\$	3.7154 1/
PGC Change (per Mcf)	\$	(0.5608)
Typical Residential Heating Customer's Monthly Bill Percent Change		-6.2%

1/ See Supplement No. 59 to Tariff PNG Gas - Pa. P.U.C. No. 8, effective September 1, 2016.

UGI Penn Natural Gas, Inc.
 Computation of the Projected Recovery of Gas Cost: C
 For the 2016 PGC Year (Mcf)

Schedule B
 Page 1 of 13

Effective December 1, 2016
 Computation Year Ending November 30, 2017

Month	Year	Projected Cost C	Projected Sales S	PGC Revenue 1/	PGC Over / (Under) Collection
December	2016	\$ 11,713,932	3,066,569	\$ 11,555,140	\$ (158,792)
January	2017	\$ 10,443,684	3,994,539	\$ 13,293,426	\$ 2,849,742
February	2017	\$ 8,240,927	3,959,612	\$ 13,177,193	\$ 4,936,266
March	2017	\$ 7,316,002	3,114,930	\$ 10,366,176	\$ 3,050,174
April	2017	\$ 5,205,995	1,954,738	\$ 6,505,171	\$ 1,299,176
May	2017	\$ 3,843,467	1,060,910	\$ 3,530,601	\$ (312,866)
June	2017	\$ 2,854,989	605,286	\$ 2,014,330	\$ (840,659)
July	2017	\$ 2,949,126	444,629	\$ 1,479,681	\$ (1,469,445)
August	2017	\$ 2,738,451	351,347	\$ 1,169,246	\$ (1,569,205)
September	2017	\$ 2,882,574	484,898	\$ 1,613,691	\$ (1,268,883)
October	2017	\$ 4,818,517	907,120	\$ 3,018,805	\$ (1,799,712)
November	2017	\$ 9,574,431	1,865,483	\$ 6,208,141	\$ (3,366,290)
Total		\$ 72,582,094	21,810,059	\$ 73,931,601	\$ 1,349,506

1/ December 2016 reflects proration of the PGC rates.

**UGI PENN NATURAL GAS
PROJECTED DEMAND VOLUMES IN DTH
UNDER NORMAL WEATHER
1 MONTH PERIOD - NOVEMBER
DEMAND**

	Nov-16
<u>Supply</u>	
Options	0
Leidy Supply - UGI	0
LNG Service	0
UGI ES Peak SVC I	18,500
UGI ES Peak SVC II	0
Peak SVC	11,230
UGI ES Delivered Supply	51,995
UGI ES Delivered Supply	3,481
UGI ES Delivered Supply	4,049
UGI ES Delivered Supply	40,000
<u>Storage Demand</u>	
Transco GSS	56,532
Transco SS2	25,875
Transco LSS	7,518
Transco ESS	10,000
Columbia FSS	500
<u>Storage Capacity</u>	
Transco GSS	2,746,576
Transco SS2	2,846,250
Transco LSS	827,053
Transco ESS	83,847
Columbia FSS	35,362
<u>Transportation</u>	
Columbia:FTS	18,532
Columbia:SST	500
Columbia:GULF FTS-1	6,324
Tennessee FT-G	843
Tennessee 404 FT-G	939
Tennessee 4-4 FT-A	34,000
Transco FT DEMAND	15,116
Transco FT DEMAND - PSFT	0
Transco FT DEMAND - POCONO	500

**UGI PENN NATURAL GAS
PROJECTED DEMAND VOLUMES IN DTH
UNDER NORMAL WEATHER
1 MONTH PERIOD - NOVEMBER
COMMODITY**

	Nov-16
Monthly Take	
Spot Leidy	0
Spot TGP_Z4	0
Spot Tenn Z4	295,720
Spot TCOPool	0
Appalachian	0
Daily Delivered	0
DaLeidyCall	343,810
DaTennCall2	960,710
LNG Service	0
Trig Delivered	0
Trig Leidy	15,048
Trig Tenn-Z4	623,100
Trigger TCOP	0
MoTennCall	10,800
Injected Net Vol	
Transco GSS	0
Transco SS2	0
Transco LSS	0
Transco ESS	0
Columbia FSS	0
Withdrawn Gross Vol	
Transco GSS	0
Transco SS2	0
Transco LSS	0
Transco ESS	0
Columbia FSS	0
Transport/Wdl/Inj Fuel	22,162
Total PGC Demand Served	2,216,225
Total Choice Bundled Demand	0
Total UGI Bundled Demand	0
Total CPG Bundled Demand	10,800
Transportation	
Col SST WD	0
Col FT Leach	0
Col FT Appl	0
Tennessee 4-4	914,502
Transco 4-6	0
Transco 6-6	15,000

**UGI PENN NATURAL GAS
PROJECTED DEMAND VOLUMES IN DTH
UNDER NORMAL WEATHER
1 MONTH PERIOD - NOVEMBER
DEMAND**

	Nov-16
<u>Supply</u>	
Options	0.0000
Leidy Supply - UGI	0.0000
LNG Service	0.0000
UGI ES Peak SVC I	220.0000
UGI ES Peak SVC II	0.0000
Peak SVC	42.7049
UGI ES Delivered Supply	25.6640
UGI ES Delivered Supply	25.6640
UGI ES Delivered Supply	25.6640
UGI ES Delivered Supply	10.0375
<u>Storage Demand</u>	
Transco GSS	3.0210
Transco SS2	8.4432
Transco LSS	4.5621
Transco ESS	0.6327
Columbia FSS	1.5010
<u>Storage Capacity</u>	
Transco GSS	0.0159
Transco SS2	0.0276
Transco LSS	0.0168
Transco ESS	0.0756
Columbia FSS	0.0288
<u>Transportation</u>	
Columbia:FTS	6.1900
Columbia:SST	6.0200
Columbia:GULF FTS-1	4.2917
Tennessee FT-G	15.5857
Tennessee 404 FT-G	5.2808
Tennessee 4-4 FT-A	5.4910
Transco FT DEMAND	20.7618
Transco FT DEMAND - PSFT	0.0000
Transco FT DEMAND - POCONO	2.5641

**UGI PENN NATURAL GAS
PROJECTED DEMAND VOLUMES IN DTH
UNDER NORMAL WEATHER
1 MONTH PERIOD - NOVEMBER
COMMODITY**

	Nov-16	AVERAGE
Supply Rate		
Spot Leidy	0.0000	0.0000
Spot TGP_Z4	0.0000	0.0000
Spot Tenn Z4	1.0200	1.0200
Spot TCOPool	0.0000	0.0000
Appalachian	0.0000	0.0000
Daily Delivered	0.0000	0.0000
Leidy Call Option	1.0908	1.0908
Tennessee Call Option	1.0790	1.0790
LNG Service	0.0000	0.0000
Trig Delivered	0.0000	0.0000
Trig Leidy	1.0800	1.0800
Trig Tenn-Z4	0.6560	0.6560
Trigger TCOP	9.0000	9.0000
MoTennCall	1.0790	1.0790
Injection Rate		
Transco GSS	0.0000	0.0000
Transco SS2	0.0000	0.0000
Transco LSS	0.0000	0.0000
Transco ESS	0.0000	0.0000
Columbia FSS	0.0000	0.0000
Withdrawal Rate		
Transco GSS	0.0000	0.0000
Transco SS2	0.0000	0.0000
Transco LSS	0.0000	0.0000
Transco ESS	0.0000	0.0000
Columbia FSS	0.0000	0.0000
Transportation Rate		
Col SST WD	0.0000	0.0000
Col FT Leach	0.0000	0.0000
Col FT Appl	0.0000	0.0000
Tennessee 4-4	0.0534	0.0534
Transco 4-6	0.0000	0.0000
Transco 6-6	0.0074	0.0074
		0.0000
Total Com Vol	2,216,225	2,216,225
Total Com Cost	2,113,315	2,113,315
Com Unit Rate	0.9536	0.9536
Total Dem Cost	6,380,516	6,380,516
Dem Unit Rate	2.8790	2.8790
		0
Total System Costs	8,493,830	8,493,830
System Unit Rate	3.8326	3.8326

**UGI PENN NATURAL GAS
PROJECTED DEMAND VOLUMES IN DTH
UNDER NORMAL WEATHER
1 MONTH PERIOD - NOVEMBER
DEMAND**

	Nov-16	TOTAL
Supply		
Options	0	0
Leidy Supply - UGI	0	0
LNG Service	0	0
UGI ES Peak SVC I	4,070,000	4,070,000
UGI ES Peak SVC II	0	0
Peak SVC	479,576	479,576
UGI ES Delivered Supply	1,334,400	1,334,400
UGI ES Delivered Supply	89,336	89,336
UGI ES Delivered Supply	103,914	103,914
UGI ES Delivered Supply	401,500	401,500
Storage Demand		0
Transco GSS	170,783	170,783
Transco SS2	218,468	218,468
Transco LSS	34,298	34,298
Transco ESS	6,327	6,327
Columbia FSS	751	751
Storage Capacity		0
Transco GSS	43,671	43,671
Transco SS2	78,557	78,557
Transco LSS	13,894	13,894
Transco ESS	6,339	6,339
Columbia FSS	1,018	1,018
Transportation		0
Columbia:FTS	114,713	114,713
Columbia:SST	3,010	3,010
Columbia:GULF FTS-1	27,141	27,141
Tennessee FT-G	13,139	13,139
Tennessee 404 FT-G	4,959	4,959
Tennessee 4-4 FT-A	186,694	186,694
Transco FT DEMAND	313,836	313,836
Transco FT DEMAND - PSFT	0	0
Transco FT DEMAND - POCONO	1,282	1,282
SUBTOTAL	7,717,604	7,717,604
Non-Choice Cap Rel/Sharing Mech Credit	(495,262)	(495,262)
Choice Capacity Assignment FT Credits	(792,037)	(792,037)
Bal. Service Credit	(50,000)	(50,000)
Risk Mgt Tools	211	211
Total Demand	6,380,516	6,380,516

**UGI PENN NATURAL GAS
PROJECTED DEMAND VOLUMES IN DTH
UNDER NORMAL WEATHER
1 MONTH PERIOD - NOVEMBER
DEMAND**

	Nov-16	TOTAL
Supply Cost		
Spot Leidy	0	0
Spot TGP_Z4	0	0
Spot Tenn Z4	301,634	301,634
Spot TCOPool	0	0
Appalachian	0	0
Daily Delivered	0	0
DaLeidyCall	375,037	375,037
DaTennCall2	1,036,622	1,036,622
LNG Service	0	0
Trig Delivered	0	0
Trig Leidy	16,252	16,252
Trig Tenn-Z4	408,754	408,754
Trigger TCOP	0	0
MoTennCall	11,653	11,653
Injection Cost		
Transco GSS	0	0
Transco SS2	0	0
Transco LSS	0	0
Transco ESS	0	0
Columbia FSS	0	0
Withdrawal Cost		
Transco GSS	0	0
Transco SS2	0	0
Transco LSS	0	0
Transco ESS	0	0
Columbia FSS	0	0
Transportation Cost		
Col SST WD	0	0
Col FT Leach	0	0
Col FT Appl	0	0
Tennessee 4-4	48,834	48,834
Transco 4-6	0	0
Transco 6-6	111	111
Subtotal	2,198,898	2,198,898
Injected Value	0	0
Withdrawn Value	0	0
Choice Bundled Sale Credit	0	0
UGI Bundled Sale Credit	0	0
CPG Bundled Sale Credit	(11,653)	(11,653)
Options Credit	(73,930)	(73,930)
Total Cost	2,113,315	2,113,315

**UGI PENN NATURAL GAS
PROJECTED DEMAND VOLUMES IN DTH
UNDER NORMAL WEATHER
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER
COMMODITY**

	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17
Monthly Take												
Spot Leidy	15,550	15,550	14,045	0	15,048	15,550	15,048	15,550	15,550	15,048	15,550	15,048
Spot TGP_Z4	0	0	0	0	11,978	11,978	11,978	11,978	11,978	11,978	11,978	0
Spot Tenn Z4	554,153	1,054,000	364,112	0	759,407	380,296	173,328	182,337	154,929	215,794	651,043	368,114
Spot TCOPool	362,204	362,204	0	0	350,520	362,204	350,520	362,204	362,204	350,520	362,204	294,024
Appalachian	64,635	64,635	60,465	64,635	62,550	64,635	62,550	64,635	64,635	62,550	64,635	62,550
Daily Delivered	106,471	51,772	0	0	786,143	621,249	402,422	413,355	345,264	380,187	800,747	0
DaLeidyCall	856,065	856,065	773,220	650,697	52,200	53,940	52,200	53,940	53,940	52,200	53,940	828,450
DaTennCall2	807,664	988,497	877,686	739,763	52,230	53,971	52,230	53,971	53,971	52,230	53,971	662,614
LNG Service	0	0	0	0	6,699	6,699	6,699	6,699	6,699	6,699	6,699	0
Trig Delivered	0	0	0	0	0	0	0	0	0	0	0	0
Trig Leidy	0	0	0	0	0	0	0	0	0	0	0	0
Trig Tenn-Z4	250,000	350,000	200,000	100,000	0	0	0	0	0	0	0	0
Trigger TCOP	0	0	0	0	0	0	0	0	0	0	0	0
MoTennCall	17,980	32,240	34,664	19,530	4,500	0	0	0	0	0	0	10,800
Injected Net Vol												
Transco GSS	0	0	0	0	180,000	403,000	390,000	397,000	356,500	325,500	309,596	0
Transco SS2	0	0	0	0	164,850	170,351	164,880	170,376	170,376	164,880	170,376	0
Transco LSS	0	0	0	0	100,440	103,788	100,440	103,788	103,788	100,440	103,788	0
Transco ESS	0	0	0	0	11,978	11,978	11,978	11,978	11,978	11,978	11,978	0
Columbia FSS	0	0	0	0	0	4,185	4,050	4,185	4,550	3,000	900	0
Withdrawn Gross Vol												
Transco GSS	385,175	796,514	739,616	439,456	0	0	0	0	0	0	0	0
Transco SS2	0	155,403	390,195	630,491	0	0	0	0	0	0	0	0
Transco LSS	157,666	214,396	193,221	152,471	0	0	0	0	0	0	0	0
Transco ESS	0	0	41,673	42,173	0	0	0	0	0	0	0	0
Columbia FSS	0	6,355	7,772	6,743	0	0	0	0	0	0	0	0
Transport/Wdl/Inj Fuel	34,037	47,077	34,715	27,219	16,233	8,685	4,511	4,726	4,178	5,360	14,100	22,087
Total PGC Demand Served	3,403,735	4,707,664	3,471,531	2,721,939	1,623,275	868,534	451,116	472,615	417,800	536,048	1,410,028	2,208,713
Total Choice Bundled Demand	121,810	160,650	120,756	77,270	0	0	0	0	0	0	0	0
Total UGI Bundled Demand	0	0	35,003	0	0	0	0	0	0	0	0	0
Total CPG Bundled Demand	17,980	32,240	34,664	19,530	4,500	0	0	0	0	0	0	10,800
Transportation												
Col SST WD	0	6,235	7,625	6,615	0	0	0	0	0	0	0	0
Col FT Leach	355,347	355,347	0	0	343,885	355,347	343,885	355,347	355,347	343,885	355,347	288,458
Col FT Appl	63,411	63,411	59,320	63,411	61,366	63,411	61,366	63,411	63,411	61,366	63,411	61,366
Tennessee 4-4	801,499	1,399,367	562,250	99,670	756,901	379,041	172,756	181,735	154,418	215,082	648,895	366,899
Transco 4-6	0	0	40,719	41,207	0	0	0	0	0	0	0	0
Transco 6-6	15,495	15,495	13,996	0	14,995	15,495	14,995	15,495	15,495	14,995	15,495	14,995

UGI PENN NATURAL GAS
PROJECTED DEMAND VOLUMES IN DTH
UNDER NORMAL WEATHER
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER
DEMAND

	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17
Supply												
Options	0.0000	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	0.0000
Leidy Supply - UGI	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LNG Service	0.0000	0.0000	0.0000	0.0000	11.1429	11.4675	11.1429	11.4675	11.4675	11.1429	11.4675	0.0000
UGI ES Peak SVC I	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	220.0000
UGI ES Peak SVC II	125.2705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Peak SVC	42.7049	42.7049	42.7049	42.7049	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	34.1641
UGI ES Delivered Supply	25.6640	25.6640	25.6640	25.6640	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	25.6640
UGI ES Delivered Supply	25.6640	25.6640	25.6640	25.6640	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	25.6640
UGI ES Delivered Supply	25.6640	25.6640	25.6640	25.6640	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	25.6640
UGI ES Delivered Supply	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375
Storage Demand												
Transco GSS	3.1217	3.1217	2.8196	3.1217	3.0210	3.1217	3.0210	3.1217	3.1217	3.0210	3.1217	3.0210
Transco SS2	8.7246	8.7246	7.8803	8.7246	8.4432	8.7246	8.4432	8.7246	8.7246	8.4432	8.7246	8.4432
Transco LSS	4.7142	4.7142	4.2580	4.7142	4.5621	4.7142	4.5621	4.7142	4.7142	4.5621	4.7142	4.5621
Transco ESS	0.6538	0.6538	0.5905	0.6538	0.6327	0.6538	0.6327	0.6538	0.6538	0.6327	0.6538	0.6327
Columbia FSS	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010
Storage Capacity												
Transco GSS	0.0164	0.0164	0.0148	0.0164	0.0159	0.0164	0.0159	0.0164	0.0164	0.0159	0.0164	0.0159
Transco SS2	0.0285	0.0285	0.0258	0.0285	0.0276	0.0285	0.0276	0.0285	0.0285	0.0276	0.0285	0.0276
Transco LSS	0.0174	0.0174	0.0157	0.0174	0.0168	0.0174	0.0168	0.0174	0.0174	0.0168	0.0174	0.0168
Transco ESS	0.0781	0.0781	0.0706	0.0781	0.0756	0.0781	0.0756	0.0781	0.0781	0.0756	0.0781	0.0756
Columbia FSS	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288
Transportation												
Columbia:FTS	6.1900	6.1900	6.1900	6.1900	6.1900	6.1900	6.1900	6.1900	6.1900	6.1900	6.1900	6.1900
Columbia:SST	6.0200	6.0200	6.0200	6.0200	6.0200	6.0200	6.0200	6.0200	6.0200	6.0200	6.0200	6.0200
Columbia:GULF FTS-1	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917
Tennessee FT-G	15.5857	15.5857	15.5857	15.5857	15.5857	15.5857	15.5857	15.5857	15.5857	15.5857	15.5857	15.5857
Tennessee 404 FT-G	5.2808	5.2808	5.2808	5.2808	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	5.2808
Tennessee 4-4 FT-A	5.4910	5.4910	5.4910	5.4910	5.4910	5.4910	5.4910	5.4910	5.4910	5.4910	5.4910	5.4910
Transco FT DEMAND	21.4539	21.4539	19.3777	21.4539	14.6965	15.1864	14.6965	15.1864	15.1864	14.6965	15.1864	14.6965
Transco FT DEMAND - PSFT	30.2012	30.2012	27.2785	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Transco FT DEMAND - POCONO	2.6496	2.6496	2.3932	2.6496	2.5641	2.6496	2.5641	2.6496	2.6496	2.5641	2.6496	2.5641

**UGI PENN NATURAL GAS
 PROJECTED DEMAND VOLUMES IN DTH
 UNDER NORMAL WEATHER
 12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER
 COMMODITY**

	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	AVERAGE
Supply Rate													
Spot Leidy	1.8495	1.8860	1.9705	0.0000	1.8030	1.6755	1.5860	1.5815	1.5255	1.3845	1.4295	1.4830	1.5145
Spot TGP_Z4	0.0000	0.0000	0.0000	0.0000	2.8055	2.8030	2.8260	2.8640	2.8705	2.8595	2.8920	0.0000	1.6600
Spot Tenn Z4	1.5148	1.5330	1.5753	0.0000	1.5215	1.4578	1.4130	1.4108	1.3828	1.3123	1.3348	0.0000	1.3166
Spot TCOPool	1.9470	2.1860	0.0000	0.0000	1.8980	1.7655	1.6860	1.6715	1.6130	1.4920	1.5195	1.7380	1.4597
Appalachian	1.9470	2.1860	2.2555	2.0775	1.8980	1.7655	1.6860	1.6715	1.6130	1.4920	1.5195	1.7380	1.8208
Daily Delivered	2.6991	2.8823	0.0000	0.0000	2.9048	2.9023	2.9258	2.9647	2.9713	2.9601	2.9933	0.0000	2.1836
Leidy Call Option	1.8641	1.9007	1.9855	1.8871	1.8174	1.6894	1.5996	1.5951	1.5389	1.3974	1.4426	1.4963	1.6845
Tennessee Call Option	1.5697	1.5880	1.6304	1.5812	1.5764	1.5125	1.4676	1.4653	1.4372	1.3665	1.3891	1.3658	1.4975
LNG Service	0.0000	0.0000	0.0000	0.0000	12.0680	12.0780	12.1160	12.1540	12.1580	12.1470	12.1670	0.0000	7.0740
Trig Delivered	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
Trig Leidy	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
Trig Tenn-Z4	1.4828	1.4320	1.4373	1.3563	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trigger TCOP	9.0000	10.0000	11.0000	12.0000	13.0000	14.0000	15.0000	16.0000	17.0000	18.0000	19.0000	20.0000	0.4757
MoTennCall	1.5761	1.5944	1.6369	1.5877	1.5929	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.3920	14.5000
Injection Rate													
Transco GSS	0.0000	0.0000	0.0000	0.0000	0.0496	0.0496	0.0496	0.0496	0.0496	0.0496	0.0496	0.0000	0.0290
Transco SS2	0.0000	0.0000	0.0000	0.0000	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0000	0.0188
Transco LSS	0.0000	0.0000	0.0000	0.0000	0.0284	0.0284	0.0284	0.0284	0.0284	0.0284	0.0284	0.0000	0.0166
Transco ESS	0.0000	0.0000	0.0000	0.0000	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0000	0.0240
Columbia FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0000	0.0077
Withdrawal Rate													
Transco GSS	0.0426	0.0426	0.0426	0.0426	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0142
Transco SS2	0.0000	0.0323	0.0323	0.0323	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0081
Transco LSS	0.0284	0.0284	0.0284	0.0284	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0095
Transco ESS	0.0000	0.0000	0.0411	0.0411	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0069
Columbia FSS	0.0000	0.0153	0.0153	0.0153	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0038
Transportation Rate													
Col SST WD	0.0000	0.0192	0.0192	0.0192	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048
Col FT Leach	0.0194	0.0194	0.0000	0.0000	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0162
Col FT Appl	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194
Tennessee 4-4	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499
Transco 4-6	0.0000	0.0000	0.0349	0.0349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0058
Transco 6-6	0.0081	0.0081	0.0081	0.0000	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0074
Total Com Vol	3,403,735	4,707,664	3,471,531	2,721,939	1,623,275	868,534	451,116	472,615	417,800	536,048	1,410,028	2,208,713	22,292,998
Total Com Cost	5,740,541	7,908,658	5,794,431	4,518,984	3,999,969	2,820,914	1,658,033	1,729,370	1,518,895	1,684,220	3,602,008	3,315,242	44,091,066
Com Unit Rate	1.6865	1.6800	1.6691	1.6602	2.4641	3.0176	3.6754	3.6591	3.6360	3.1419	2.5546	1.5010	1.9778
Total Dem Cost	5,973,391	2,535,026	2,446,496	2,797,018	1,206,026	1,222,553	1,196,956	1,219,756	1,219,756	1,198,354	1,216,508	6,259,189	28,491,029
Dem Unit Rate	1.7550	0.5385	0.7047	1.0276	0.7430	1.4076	2.6533	2.5809	2.9195	2.2355	0.8628	2.8339	1.2780
Total System Costs	11,713,932	10,443,684	8,240,927	7,316,002	5,205,995	3,843,467	2,854,989	2,949,126	2,738,451	2,882,574	4,818,517	9,574,431	72,582,095
System Unit Rate	3.4415	2.2184	2.3739	2.6878	3.2071	4.4252	6.3287	6.2400	6.5545	5.3775	3.4173	4.3348	3.2568

**UGI PENN NATURAL GAS
 PROJECTED DEMAND VOLUMES IN DTH
 UNDER NORMAL WEATHER
 12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER
 DEMAND**

	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	AVERAGE
Supply Rate													
Spot Leidy	1.8495	1.8860	1.9705	0.0000	1.8030	1.6755	1.5860	1.5815	1.5255	1.3845	1.4295	1.4830	1.5145
Spot TGP_Z4	0.0000	0.0000	0.0000	0.0000	2.8055	2.8030	2.8260	2.8640	2.8705	2.8595	2.8920	0.0000	1.6600
Spot Tenn Z4	1.5148	1.5330	1.5753	0.0000	1.5215	1.4578	1.4130	1.4108	1.3828	1.3348	1.3348	1.3315	1.3156
Spot TCOPool	1.9470	2.1860	0.0000	0.0000	1.8980	1.7655	1.6860	1.6715	1.6130	1.4920	1.5195	1.7380	1.4597
Appalachian	1.9470	2.1860	2.2555	2.0775	1.8980	1.7655	1.6860	1.6715	1.6130	1.4920	1.5195	1.7380	1.8298
Daily Delivered	2.6991	2.8823	0.0000	0.0000	2.9048	2.9023	2.9258	2.9647	2.9713	2.9601	2.9933	0.0000	2.1835
Leidy Call Option	1.8641	1.9007	1.9855	1.8871	1.8174	1.6894	1.5996	1.5951	1.5389	1.3974	1.4426	1.4963	1.6845
Tennessee Call Option	1.5897	1.5880	1.6304	1.5812	1.5764	1.5125	1.4676	1.4653	1.4372	1.3665	1.3891	1.3858	1.4975
LNG Service	0.0000	0.0000	0.0000	0.0000	12.0680	12.0780	12.1160	12.1540	12.1580	12.1470	12.1670	0.0000	7.0740
Trig Delivered	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
Trig Leidy	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
Trig Tenn-Z4	1.4828	1.4320	1.4373	1.3563	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trigger TCOP	9.0000	10.0000	11.0000	12.0000	13.0000	14.0000	15.0000	16.0000	17.0000	18.0000	19.0000	20.0000	14.5000
MoTennCall	1.5761	1.5944	1.6369	1.5877	1.5829	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.3920	0.7808
Injection Rate													
Transco GSS	0.0000	0.0000	0.0000	0.0000	0.0496	0.0496	0.0496	0.0496	0.0496	0.0496	0.0496	0.0000	0.0290
Transco SS2	0.0000	0.0000	0.0000	0.0000	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0000	0.0188
Transco LSS	0.0000	0.0000	0.0000	0.0000	0.0284	0.0284	0.0284	0.0284	0.0284	0.0284	0.0284	0.0000	0.0166
Transco ESS	0.0000	0.0000	0.0000	0.0000	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0000	0.0240
Columbia FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0000	0.0077
Withdrawal Rate													
Transco GSS	0.0426	0.0426	0.0426	0.0426	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0142
Transco SS2	0.0000	0.0323	0.0323	0.0323	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0081
Transco LSS	0.0284	0.0284	0.0284	0.0284	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0095
Transco ESS	0.0000	0.0000	0.0411	0.0411	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0069
Columbia FSS	0.0000	0.0153	0.0153	0.0153	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0038
Transportation Rate													
Col SST WD	0.0000	0.0192	0.0192	0.0192	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048
Col FT Leach	0.0194	0.0194	0.0000	0.0000	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0162
Col FT Appl	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194
Tennessee 4-4	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499
Transco 4-6	0.0000	0.0000	0.0349	0.0349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0058
Transco 6-6	0.0081	0.0081	0.0081	0.0000	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0074
Total Com Vol	3,403,735	4,707,664	3,471,531	2,721,939	1,623,275	868,534	451,116	472,615	417,800	536,048	1,410,028	2,208,713	22,292,998
Total Com Cost	5,740,541	7,908,658	5,794,431	4,518,984	3,999,969	2,620,914	1,658,033	1,729,370	1,518,695	1,684,220	3,602,008	3,315,242	44,091,066
Com Unit Rate	1.6865	1.6800	1.6691	1.6602	2.4641	3.0176	3.6754	3.6591	3.6350	3.1419	2.5546	1.5010	1.9778
Total Dem Cost	5,973,391	2,535,026	2,446,496	2,797,018	1,206,026	1,222,553	1,196,956	1,219,756	1,219,756	1,198,354	1,216,508	6,259,189	28,491,029
Dem Unit Rate	1.7550	0.5385	0.7047	1.0276	0.7430	1.4076	2.6533	2.5809	2.9195	2.2355	0.8628	2.8339	1.2780
Total System Costs	11,713,932	10,443,684	8,240,927	7,316,002	5,205,995	3,843,467	2,854,989	2,949,126	2,738,451	2,882,574	4,818,517	9,574,431	72,582,095
System Unit Rate	3.4415	2.2184	2.3739	2.6878	3.2071	4.4252	6.3287	6.2400	6.5545	5.3775	3.4173	4.3348	3.2558

**UGI PENN NATURAL GAS
 PROJECTED DEMAND VOLUMES IN DTH
 UNDER NORMAL WEATHER
 12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER
 COMMODITY**

	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	TOTAL
Supply Cost													
Spot Leidy	28,759	29,327	27,876	0	27,132	26,054	23,866	24,592	23,721	20,834	22,228	22,316	276,506
Spot TGP_Z4	0	0	0	0	33,604	33,574	33,850	34,305	34,383	34,251	34,640	0	238,608
Spot Tenn Z4	839,403	1,615,782	573,567	0	1,155,438	554,377	244,913	257,232	214,228	283,175	868,980	490,144	7,097,239
Spot TCOPool	705,211	791,778	0	0	665,287	639,471	590,977	605,424	584,235	522,976	550,369	511,014	6,166,742
Appalachian	125,844	141,292	136,379	134,279	118,720	114,113	105,459	108,037	104,256	93,325	98,213	108,712	1,388,630
Daily Delivered	287,377	149,223	0	0	2,283,605	1,803,027	1,177,408	1,225,471	1,025,899	1,125,387	2,396,914	0	11,474,311
DaLeidyCall	1,595,753	1,627,109	1,535,214	1,227,954	94,868	91,129	83,501	86,040	83,009	72,945	77,813	1,239,584	7,814,919
DaTennCall2	1,267,761	1,569,709	1,430,949	1,169,715	82,337	81,630	76,652	79,085	77,569	71,372	74,969	918,256	6,900,004
LNG Service	0	0	0	0	80,844	80,911	81,165	81,420	81,446	81,373	81,507	0	568,666
Trig Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0
Trig Leidy	0	0	0	0	0	0	0	0	0	0	0	0	0
Trig Tenn-Z4	370,688	501,200	287,450	135,625	0	0	0	0	0	0	0	0	0
Trigger TCOP	0	0	0	0	0	0	0	0	0	0	0	0	1,294,963
MoTennCall	28,338	51,405	56,741	31,007	7,123	0	0	0	0	0	0	15,033	0
Injection Cost													189,648
Transco GSS	0	0	0	0	8,933	20,001	19,356	19,703	17,693	16,155	15,365	0	117,206
Transco SS2	0	0	0	0	5,326	5,504	5,327	5,505	5,505	5,327	5,505	0	37,999
Transco LSS	0	0	0	0	2,857	2,952	2,857	2,952	2,952	2,857	2,952	0	20,376
Transco ESS	0	0	0	0	493	493	493	493	493	493	493	0	3,449
Columbia FSS	0	0	0	0	0	64	62	64	70	46	14	0	319
Withdrawal Cost													
Transco GSS	16,405	33,924	31,500	18,716	0	0	0	0	0	0	0	0	100,545
Transco SS2	0	5,021	12,607	20,371	0	0	0	0	0	0	0	0	37,999
Transco LSS	4,484	6,097	5,495	4,336	0	0	0	0	0	0	0	0	20,413
Transco ESS	0	0	1,714	1,735	0	0	0	0	0	0	0	0	3,449
Columbia FSS	0	97	119	103	0	0	0	0	0	0	0	0	319
Transportation Cost													
Col SST WD	0	120	146	127	0	0	0	0	0	0	0	0	393
Col FT Leach	6,894	6,894	0	0	6,671	6,894	6,671	6,894	6,894	6,671	6,894	5,596	66,973
Col FT Appl	1,230	1,230	1,151	1,230	1,190	1,230	1,190	1,230	1,230	1,190	1,230	1,190	14,524
Tennessee 4-4	39,995	69,828	28,056	4,974	37,769	18,914	8,621	9,069	7,705	10,733	32,380	18,308	286,352
Transco 4-6	0	0	1,420	1,437	0	0	0	0	0	0	0	0	2,857
Transco 6-6	125	125	113	0	121	125	121	125	125	121	125	121	1,346
Subtotal	5,318,268	6,600,161	4,130,297	2,751,610	4,812,319	3,480,462	2,462,487	2,547,640	2,271,413	2,349,231	4,270,590	3,330,275	44,124,751
Injected Value	0	0	0	0	597,556	856,728	801,854	816,829	750,978	663,491	662,922	0	5,150,358
Withdrawn Value	896,120	1,935,836	2,265,680	2,098,714	0	7,196,350							
Choice Bundled Sale Credit	(327,158)	(431,474)	(324,326)	(207,532)	0	(1,290,490)							
UGI Bundled Sale Credit	0	0	(102,200)	0	(102,200)								
CPG Bundled Sale Credit	(28,338)	(51,405)	(56,741)	(31,007)	(7,123)	0	0	0	0	0	0	(15,033)	(189,648)
Options Credit	(118,350)	(144,460)	(118,280)	(92,800)	(7,670)	(2,820)	(2,600)	(1,440)	(1,740)	(1,520)	(5,660)	0	(497,340)
Total Cost	5,740,541	7,908,658	5,794,431	4,518,984	3,999,969	2,620,914	1,658,033	1,729,370	1,518,695	1,684,220	3,502,008	3,315,242	44,091,066

UGI Penn Natural Gas, Inc.
Computation of the Experienced Cost Factor: E
For the 2016 PGC Year

Schedule C
Page 1 of 6

Effective December 1, 2016
Computation Year Ending November 30, 2017

SUPPLIER REFUND CREDITS

Prior	(Amortized Balance at November 30, 2016)	Schedule C, Page 2	\$ 44,075
Current	(Twelve Months Ended November 30, 2016)	Schedule C, Page 3	(14,672)
Interest	(Twelve Months Ended November 30, 2016)	Schedule C, Page 3	(1,475)

OVER / (UNDER) COLLECTION

Prior	(Amortized Balance at November 30, 2016)	Schedule C, Page 4	3,148,202
Current	(Twelve Months Ended November 30, 2016)	Schedule C, Page 6	432,100
Interest	(Twelve Months Ended November 30, 2016)	Schedule C, Page 6	<u>171,149</u>

TOTAL E \$ 3,779,379

TOTAL S (Mcf) 21,810,059

E/S Refund / (Collection) \$/Mcf: \$ 0.1733

Schedule C

Page 2 of 6

UGI Penn Natural Gas, Inc.
Prior Supplier Refund Credit Balance: 1/
To Be Included In the 2016 PGC Experienced Cost Factor

<u>Month</u>	<u>Year</u>	<u>Beginning Refund / (Collection) Balance</u>	<u>(Refunded) / Collected</u>	<u>Ending Refund/ (Collection) Balance</u>
March	2015	\$ 627,708	\$ (255,292)	\$ 372,416
April	2015	\$ 372,416	\$ (136,194)	\$ 236,222
May	2015	\$ 236,222	\$ (48,590)	\$ 187,632
June	2015	\$ 187,632	\$ (27,986)	\$ 159,646
July	2015	\$ 159,646	\$ (21,606)	\$ 138,040
August	2015	\$ 138,040	\$ (19,273)	\$ 118,767
September	2015	\$ 118,767	\$ (20,720)	\$ 98,047
October	2015	\$ 98,047	\$ (37,032)	\$ 61,015
November	2015	\$ 61,015	\$ (74,918)	\$ (13,903)
December	2015	\$ 334,342	\$ (72,855)	\$ 261,487
January	2016	\$ 261,487	\$ (42,182)	\$ 219,305
February	2016	\$ 219,305	\$ (46,775)	\$ 172,530
March	2016	\$ 172,530	\$ (37,949)	\$ 134,581
April	2016	\$ 134,581	\$ (24,994)	\$ 109,587
May	2016	\$ 109,587	\$ (13,506)	\$ 96,081
June	2016	\$ 96,081	\$ (6,508)	\$ 89,573
July	2016	\$ 89,573	\$ (4,488)	\$ 85,085
August	2016	\$ 85,085	\$ (4,115)	\$ 80,970
September	2016	\$ 80,970	\$ (4,444)	\$ 76,526
October	2016	\$ 76,526	\$ (7,250)	\$ 69,276
November	2016	est. \$ 69,276	\$ (25,201)	\$ 44,075

1/ Including interest.

UGI Penn Natural Gas, Inc.
List of Current Supplier Refunds
To Be Included In the 2016 PGC Experienced Cost Factor

<u>Supplier</u>	<u>Principal Amount</u>	<u>Date Received</u>	<u>Interest Rate</u>	<u>Interest Weight</u>	<u>Interest Amount</u>
Columbia Gas	\$ 51,950	Dec-15	6%	18	\$ 4,676
Columbia Gas	\$ (732)	Jan-16	6%	17	\$ (62)
Tennessee	\$ (82,603)	Jan-16	6%	17	\$ (7,021)
Columbia Gas Transmission	\$ 13,127	Jun-16	6%	12	\$ 788
Transco	\$ (3,587)	Aug-16	6%	10	\$ (179)
Transco	\$ 7,173	Sep-16	6%	9	\$ 323
Total: Rates R, GL, N & CIAC	\$ (14,672)				\$ (1,475)

UGI Penn Natural Gas, Inc.
Prior Over / (Under) Collection Balance: 1/
To Be Included In the 2016 PGC Experienced Cost Factor

Month	Year	Beginning Over/(Under) Collection Balance	(Refunded) / Collected	Ending Refund/ (Collection) Balance
March	2015	\$ (14,885,930)	\$ 3,710,958	\$ (11,174,972)
April	2015	\$ (11,174,972)	\$ 2,335,956	\$ (8,839,016)
May	2015	\$ (8,839,016)	\$ 838,967	\$ (8,000,049)
June	2015	\$ (8,000,049)	\$ 484,809	\$ (7,515,240)
July	2015	\$ (7,515,240)	\$ 381,145	\$ (7,134,095)
August	2015	\$ (7,134,095)	\$ 340,884	\$ (6,793,211)
September	2015	\$ (6,793,211)	\$ 366,013	\$ (6,427,198)
October	2015	\$ (6,427,198)	\$ 653,646	\$ (5,773,552)
November	2015	\$ (5,773,552)	\$ 1,306,693	\$ (4,466,859)
December	2015	\$ 9,979,683	\$ 487,987	\$ 10,467,670
January	2016	\$ 10,467,670	\$ (1,305,375)	\$ 9,162,295
February	2016	\$ 9,162,295	\$ (1,436,843)	\$ 7,725,452
March	2016	\$ 7,725,452	\$ (1,269,196)	\$ 6,456,256
April	2016	\$ 6,456,256	\$ (908,976)	\$ 5,547,280
May	2016	\$ 5,547,280	\$ (496,113)	\$ 5,051,167
June	2016	\$ 5,051,167	\$ (242,768)	\$ 4,808,399
July	2016	\$ 4,808,399	\$ (181,412)	\$ 4,626,987
August	2016	\$ 4,626,987	\$ (153,473)	\$ 4,473,514
September	2016	\$ 4,473,514	\$ (168,012)	\$ 4,305,502
October	2016	\$ 4,305,502	\$ (267,820)	\$ 4,037,682
November	2016	est. \$ 4,037,682	\$ (889,480)	\$ 3,148,202

1/ Including interest and Migration Rider amounts.

UGI Penn Natural Gas, Inc.
Development of the Current Over/(Under) Collection
For the Period Ending: November 30, 2016

Schedule C

Page 5 of 6

	<u>Mcf</u> <u>Sales</u>		<u>Base</u> <u>Rate</u>		<u>Revenue</u>		<u>Cost</u>		<u>(Under) / Over</u> <u>Collection</u>	<u>Interest</u> <u>Rate</u>	<u>Interest</u> <u>Weight</u>	<u>Interest</u>
Apr-15	2,314,325	\$	4.3354	\$	10,033,439	\$	5,236,130	\$	4,797,309	6%	14	\$ 335,812
May-15	825,396	\$	4.3320	\$	3,575,653	\$	2,861,882	\$	713,771	6%	13	\$ 46,395
Jun-15	472,771	\$	3.7725	\$	1,783,513	\$	2,493,983	\$	(710,470)	6%	12	\$ (42,628)
Jul-15	366,386	\$	3.2774	\$	1,200,798	\$	2,130,750	\$	(929,952)	6%	11	\$ (51,147)
Aug-15	327,142	\$	3.2863	\$	1,075,078	\$	2,525,690	\$	(1,450,612)	6%	10	\$ (72,531)
Sep-15	351,836	\$	3.2886	\$	1,157,048	\$	3,156,179	\$	(1,999,131)	6%	9	\$ (89,961)
Oct-15	629,333	\$	3.2871	\$	2,068,691	\$	3,872,023	\$	(1,803,332)	6%	8	\$ (72,133)
Nov-15	1,279,177	\$	3.2896	\$	4,207,968	\$	5,285,987	\$	(1,078,020)	6%	7	\$ (37,731)
Dec-15	2,132,372	\$	3.4469	\$	7,349,986	\$	8,105,868	\$	(755,882)	6%	18	\$ (68,029)
Jan-16	3,092,027	\$	3.5806	\$	11,071,393	\$	11,921,980	\$	(850,587)	6%	17	\$ (72,300)
Feb-16	3,421,370	\$	3.5785	\$	12,243,366	\$	9,968,610	\$	2,274,756	6%	16	\$ 181,980
Mar-16	<u>2,766,843</u>	\$	3.3873	\$	<u>9,372,015</u>	\$	<u>7,826,680</u>	\$	<u>1,545,335</u>	6%	15	<u>\$ 115,900</u>
Total	<u>17,978,978</u>				<u>\$ 65,138,948</u>		<u>\$ 65,385,762</u>		<u>\$ (246,814)</u>			<u>\$ 173,627</u>

UGI Penn Natural Gas, Inc.
Development of the Current Over/(Under) Collection
For the Period Ending: November 30, 2016

Schedule C
Page 6 of 6

	<u>Mcf</u> <u>Sales</u>	<u>Base</u> <u>Rate</u>	<u>Revenue</u>	<u>Cost</u>	<u>(Under) / Over</u> <u>Collection</u>	<u>Interest</u> <u>Rate</u>	<u>Interest</u> <u>Weight</u>	<u>Interest</u>
Apr-16	1,824,527	\$ 3.2138	\$ 5,863,739	\$ 3,736,801	\$ 2,126,938	6.0%	14	\$ 148,886
May-16	995,022	\$ 3.2144	\$ 3,198,448	\$ 2,970,859	\$ 227,589	6.0%	13	\$ 14,793
Jun-16	489,522	\$ 3.3695	\$ 1,649,428	\$ 2,185,105	\$ (535,677)	6.0%	12	\$ (32,141)
Jul-16	353,690	\$ 3.5215	\$ 1,245,518	\$ 1,870,755	\$ (625,237)	6.0%	11	\$ (34,388)
Aug-16	309,825	\$ 3.5164	\$ 1,089,457	\$ 1,661,216	\$ (571,759)	6.0%	10	\$ (28,588)
Sep-16	335,772	\$ 3.8895	\$ 1,305,982	\$ 1,676,491	\$ (370,509)	3.5%	9	\$ (9,726)
Oct-16	547,944	\$ 4.2071	\$ 2,305,274	\$ 3,585,403	\$ (1,280,129)	3.5%	8	\$ (29,870)
Nov-16	est. 1,839,482	\$ 4.2083	\$ 7,741,092	\$ 8,493,830	\$ (752,738)	3.5%	7	\$ (15,368)
PGC Computation Year (12/2015 - 11/2016)	<u>18,108,396</u>		<u>\$ 64,435,698</u>	<u>\$ 64,003,598</u>	<u>\$ 432,100</u>			<u>\$ 171,149</u>

Schedule D
Page 1 of 1
Compliance Filing

UGI Penn Natural Gas, Inc.
Retainage Rate Calculation
36 Months Ending September 30, 2016
(Mcf)

	Distribution System Total	Excluded Discounted Rate XD Customers	Net Distribution System Total
Sendout	185,529,294	76,137,304	109,391,990
Sales	183,540,965	76,083,987	<u>107,456,978</u>
Retainage			<u>1,935,012</u>
Retainage Rate			<u><u>1.8%</u></u>

**UGI Penn Natural Gas, Inc.
Rider E - Universal Service Program
Supporting Documentation**

Effective December 1, 2016

Schedule A

UGI Penn Natural Gas, Inc.
Development of the Rider E - Universal Service Program (USP) Rate
Effective December 1, 2016

Line	Description	Current Enrollment	Incremental Enrollment	Total
(1)	Customers	5,758	-	5,758
(2)	Consumption: Mcf per year (Schedule B)	133	133	133
(3)	Residential Heat Price per Mcf (Schedule B)	\$ 8.08	\$ 8.08	\$ 8.08
(4) = (1)*(2)*(3)	Revenues Billed 1/	\$ 6,187,777	\$ -	\$ 6,187,777
(5)	Customer Payments Required 1/	\$ (4,623,904)	\$ -	\$ (4,623,904)
(6) = (4)+(5)	Potential Shortfall	\$ 1,563,873	\$ -	\$ 1,563,873
(7)	Unearned Shortfall Adjustment	\$ (156,387)	\$ -	\$ (156,387)
(8) = (6)+(7)	Net CAP Shortfall	\$ 1,407,486	\$ -	\$ 1,407,486
(9)	Administrative			\$ 171,819
(10)	LIURP			\$ 850,000
(11)	PPAF (includes PPAF Shortfall)			\$ 837,566
(12) = (8)+(9)+(10)+(11)	Total USP Costs			\$ 3,266,871
(13)	<i>Rate Determinants (Mcf)</i>			<i>16,301,155</i>
(14) = (12)/(13)	Rider USP Rate - \$ per Mcf (Current)			\$ 0.2004
(15)	Prior Period Undercollection 2/			\$ (687,839)
(16)	Rider USP Rate Undercollection per Mcf			\$ 0.0422
(17) = (14)+(16)	Total USP Rate per Mcf			\$ 0.2426

1/ Incremental Enrollment is prorated.

2/ From November 1, 2016 Reconciliation Filing (includes prior period USP undercollection)

Schedule B

UGI Penn Natural Gas, Inc.
 Development of Residential Heat Price per Mcf
 Rider E - Universal Service Program (USP) Rate
 Effective December 1, 2016

		<u>Billing Determinants</u>	<u>Rate</u>	<u>Charge</u>
Customer Charges		12	\$ 13.17	\$ 158
Distribution Charges				
First	8	67	\$ 3.5036	\$ 235
All over	8	66	\$ 3.3036	\$ 218
		<u>133</u>		<u>\$ 453</u>
PGC Rate - December 1, 2016		133	\$ 3.1546	\$ 420
Gas Procurement Charge			\$ 0.0400	\$ 5
Merchant Function Charge			3.20%	\$ 13
DSIC			5.00%	\$ 31
STAS Adjustment			-0.43%	<u>\$ (5)</u>
Total Residential Heating				\$ 1,075
Residential Heat Price per Mcf				<u><u>\$ 8.08</u></u>