KY PSC Case No. 2016-00162

Response to Staff's Post Hearing Data Request No. Cole-1

Respondent: Kimra H. Cole

COLUMBIA GAS OF KENTUCKY, INC. RESPONSE TO STAFF'S POST HEARING DATA REQUESTS DATED NOVEMBER 4, 2016

- 1. Refer to the employee positions listed in the Cole rebuttal testimony on pages 4-9.
 - a. For each position that existed prior to calendar year 2014
 - i. State the position;
 - ii. State the current number of employees in each position; and
 - iii. State whether or not there are current vacancies in any of these positions. If so, how many vacancies?
 - b. For each position that has been created since calendar year 2013
 - i. State the position;
 - ii. State the current number of employees in each position;
 - iii. State whether there are current vacancies in any of these positions. If so, how many vacancies? and,
 - iv. State whether any of the created positions will be eliminated due to a constricted capital budget and general reduction in projects.

Response:

See Staff Post Hearing Cole 1 Attachment A for responses to a.i, through iii and b. i through iii.

b. iv. Any potential change in the capital budget will have no bearing on the positions created since the last case. As such, the positions will not be eliminated.

Positions existing prior to 2014

Job Title	Number of employees	Number of vacancies
Field Operations Leader	6	0
Compliance Specialist	1	0
Construction Specialist	1	0
Construction Coordinator	14	0

Positions created since 2013	Number of employees	Number of vacancies
GM/VP Operations	1	0
State Finance Director	1	0
OJT Coaches	2 `	0
Field Operations Leader	1	0
Mgr System Operations	1	0
External Affairs Specialist	1	0
Leader GPS Program Support	1	0
Gas Survey & GPS Quality Tech	1	0
Utility B	18	1
Construction Coordinator	2	0

KY PSC Case No. 2016-00162 Response to Staff's Post Hearing Data Request Cole-2 Respondent: Kimra H. Cole and Jana Croom

COLUMBIA GAS OF KENTUCKY, INC. RESPONSE TO STAFF'S POST HEARING DATA REQUESTS DATED NOVEMBER 4, 2016

2. State the amount of overtime paid in calendar years 2014, 2015, the base period and in the test year?

Response:

The amount of overtime paid in calendar years 2014, 2015, the base period and test year as submitted on Schedule G-2 are as follows:

	2014	<u>2015</u>	<u> </u>	Base Period	Test Period
Overtime Labor	\$ 1,478,568	\$ 1,388,469	\$	1,455,447	\$ 1,530,185
Total Labor	\$ 10,465,527	\$ 11,105,431	\$	11,748,155	\$ 12,294,953
% of Overtime to Labor	14.13%	12.50%		12.39%	12.45%

As the table demonstrates, overtime as a percentage of total labor has decreased since 2014.

COLUMBIA GAS OF KENTUCKY, INC. RESPONSE TO STAFF'S POST HEARING DATA REQUESTS DATED NOVEMBER 4, 2016

3. State the costs paid to outside contractors in calendar years 2014, 2015, the base period and in the test year?

Response:

Below please find a table which shows the costs paid to outside contractors in calendar years 2014, 2015, the base period and the test year. Please note, costs paid to contractors are fully loaded and include labor, overheads, benefits and supervisory, general and administrative costs of the firms employed.

Columbia Gas of Kentucky				
			Base	Test
	2014	2015	Period	Period
Total Outside Services	3,775,896	3,471,137	3,635,784	3,943,830

KY PSC Case No. 2016-00162 Response to Staff's Post Hearing Data Request Cole-4 Respondent: Kimra H. Cole

COLUMBIA GAS OF KENTUCKY, INC. RESPONSE TO STAFF'S POST HEARING DATA REQUESTS DATED NOVEMBER 4, 2016

4. Provide the average age of Columbia's current workforce.

Response:

Below, please find a chart which demonstrates the breakdown of Columbia's current workforce. The average age of Columbia's current workforce is 42.2 years. Per the chart, 26% of Columbia's workforce is currently eligible for retirement and an additional 18% will be eligible for retirement in the next 0 to 10 years.

Age Range	Total Count	% of Workforce	Retirement Projection Date
70.6-55.6	40	26%	Currently Eligible for Retirement
55.5-45.6	27	18%	Eligible for Retirement in 0-10 Years
45.5-35.6	18	11%	Eligible for Retirement in 10-20 Years
35.6-20.6	69	45%	Existing Workforce
Total	154	100%	

Respondent: Kimra H. Cole

COLUMBIA GAS OF KENTUCKY, INC. RESPONSE TO STAFF'S POST HEARING DATA REQUESTS DATED NOVEMBER 4, 2016

1. Provide the average age of Columbia's current workforce who are in field positions.

Response:

Below please find a table which demonstrates the average age of Columbia's current workforce who are in field positions. The average age for Columbia's field positions is 41.3. As shown below, 23% of Columbia's workforce is currently eligible for retirement and an additional 18% will be eligible for retirement in the next 0 to 10 years.

Age Range	Total Count	% of Workforce	Retirement Projection Date
65.6-55.6	30	23%	Currently Eligible for Retirement
55.5-45.6	23	18%	Eligible for Retirement in 0-10 Years
45.5-35.6	14	11%	Eligible for Retirement in 10-20 Years
35.6-20.6	64	48%	Existing Workforce
Total	131	100%	

Response to Staff's Post Hearing Data Request Cooper-1 Respondent: Judy M. Cooper

COLUMBIA GAS OF KENTUCKY, INC. RESPONSE TO STAFF'S POST HEARING DATA REQUESTS DATED NOVEMBER 4, 2016

- 1. Provide a current sample copy of an actual monthly bill for the seven municipals or jurisdictions referenced in Staff's First Request, Item 48, showing the franchise fee listed as a separate line item on the bill.
 - a. If the franchise fee is not listed, explain why.
- b. If the franchise fees are not listed as a separate line item on the bill but are being recovered, explain where on the bill the franchise fees are included.

Response: Please see Attachment A which contains sample bills for each of the seven municipalities.



Account Number: Statement Date: 10/18/2016 6043

Page 1 of 2

Contact Us



Emergency Service 24/7 1-800-432-9515 For gas leaks or odors of gas

Customer Call Center Hours 1-800-432-9345 7 a.m. - 7 p.m. Mon. - Fri. 8 a.m. - 12 p.m. Sat.

For hearing-impaired relay call 711.



Make payments and access your account at ColumbiaGasKY,com



Make payments and access your account at m.ColumbiaGasKY.com



Mall Payments Columbia Gas of Kentucky P.O. Box 742523 Cincinnati, OH 45274-2523



Authorized Payment Locations Find locations online at ColumbiaGasKY.com

Your Safety

In case of an emergency, such as odor of gas, carbon monoxide or fire;

1. Leave the area immediately.

- Leave into area immediately. Leave windows and doors in their positions and avoid doing anything that could cause a sperk. From a safe area, cell 911 and Columbia Gas al 1-800-432-9515.

Always Call 8-1-1 Before You Dig If you're planning a home or landscaping project, call Kentucky 811 at 8-1-1 at least two business days before digging. A representative will mark the approximate location of underground utility lines for free.



Employee Identification All of our employees and contractors carry photo identification. If someone claims to represent us, ask to see identification. Call the police if you see suspicious activity.

Account Profile

Customer Name:

Your Contact Information: Ashland KY 41102

Type of Customer: **Budget Payment Plan**

Account Number: Carron (Manual)

Is your contact information correct? Make all changes on the reverse side.

Budget Payment Plan

Previous Amount Due on 09/30/2016 Payments Received by 09/30/2016 Thank you \$40.00

Budget Balance on 10/17/2018

\$0.00

Budget Amount This Period

+ \$40.00

Current Charges Due by 10/31/2016

\$40,00

There are 6 months remaining in the Budget Year, which ends in April, 2017.

Actual Account Summary

Actual Account Balance

Beginning Balance Payments Received

\$63.44 CR - \$40,00 + \$19.03

Current Utility Charges

\$84,41CR

- Your Actual Account Balance reflects the actual amount you owe based on your billed usage and payments as of the date of this bill.
- For more information regarding these charges, see the Detail Charges section.

13 Month Usage History ☐ Estimated McI 12 9 ß Oct 31 Oct 29 Nov 35 Jan 34 Mar 29 Apr 32 May 29 Jun 30 2015 Monthly Billing Days 2016

Meter Number: Service Address: Ashland KY 41102 Meter Readings - 31 Billing Days Actual Reading on 10/17 Actual Reading on 9/16 1926 1925 Gas Used (Mcf) 0.0

Usage Comparison - Mcf Month Maf Ava Tamp Mol Per Day Ont 16 n n 824 вn

Your Average Monthly Usage = 2.6 Mcf. Your Total Annual Usage = 30,7 Mcf. Your next meter reading date is 1115/2016.

▼ Please fold on the perforation below, detach and return with your payment.

ASHLAND KY 41102 (MELLY)

Columbia Gas; of Kentucky

P.O. Box 14241 Lexington, KY 40512-4241

Web Mobile 0

Phone 1-800-432-9516

Account Number: Amount Due by 10/31/2016: \$40.00

Amount Enclosed:

00007470 01 AV 0.373 1 AUTO**8CH 5-DIGIT 41102 ASHLAND KY 41102 իպերիակցմերկլիկիակիիկամինիկինուկիիի

Make check payable to: COLUMBIA GAS P O BOX 742523 **CINCINNATI OH 45274-2523** գլլլիրեկլիորդենոլիկնկինըունիկնկիկիկիկին



KY PSC Case No. 2016-00162

Post Hearing Data Request Cooper - 1 Attachment A

Account Number: Statement Date: 10/18/2016

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Helpful Definitions

Customer Charge covers a portion of the fixed costs required to ensure that natural gas service is available to your home. This amount is the same with each bill.

Estimated Readings are calculated based on your typical monthly usage rather than on an actual meter reading.

Gas Delivery Charges are the costs of delivering the gas to retail customers. The charges for these services are regulated and these services must be purchased from Columbia Gas.

Gas Supply Cost includes the cost of natural gas, interstate pipeline charges, storage costs, and related charges and is passed through to customers at cost without markup.

Ges supply service may be purchased from a participating competitive gas supplier in the Customer CHOICE program.

Mcf is equal to 1,000 cubic feet and is used to measure your gas usage.

Legal Information

Rate Schedule Information about rate schedules is available upon request or at ColumbiaGasKY.com.

Bankruptcy Notices Mail to Columbia Gas of Kentucky, Revenue Recovery, PO Box 117, Columbus, OH 43216.

Other Correspondence (except payments) Mail to Columbia Gas of Kentucky, P.O. Box 2318, Columbus, OH 43218-2318 or contact us at ColumbiaGasKY.com.

\$0.54 +\$ 4.03
\$2.26 \$0.69 \$0.00 \$0.54
\$0.00 +\$0.00
\$15.00 \$0.00 +\$15.00

Message Board

- Enjoy the convenience of managing your account online by enrolling in Paperless Billing. Monthly email aterts, 24/7 account access and up to two years of past bills and payment historyl Enroll today at ColumbiaGasKY.com/PaperlessBilling. Never worry about missing a payment or writing a check again by enrolling in Automatic Payment today at ColumbiaGasKY.com.

 Take control of your gas bill by choosing your natural gas supplier, It's your Choice. Go to ColumbiaGasKY.com and search Choice for more information.

Change Contact Information

If Information is incorrect in the Account Profile, please update and print clearly in the space provided below.

Address		
City		
State	Zip Code	
Phone Number		
Add or Edit Email		

WinterCare Contribution

WinterCare, Columbia Gas of Kentucky's fuel fund program, is a fund of last resort for households who have exhausted all other sources of assistance and still have trouble paying their heating bilts. The fund is administered by The Community Action Council and is supported through donations from customers and matching contributions from Columbia Gas.

* Your donation is tax-deductible.	
Monthly Contribution	One-Time Contribution
\$10 \$5 \$1	\$
\$	



Account Number Statement Date: 10/21/2016 7015 Page 1 of 2

A NiSource Company

Contact Us



Emergency Service 24/7 1-800-432-9515 For gas leaks or odors of gas

Customer Call Center Hours 1-800-432-9345 7 a.m. - 7 p.m. Mon. - Frl. 8 a.m. - 12 p.m. Sat.

For hearing-impaired relay call 711.



Web

Make payments and access your account at ColumbiaGasKY.com



Make payments and access your account at m.ColumbiaGasKY.com

Mall Payments Columbia Gas of Kentucky P.O. Box 742523 Cincinnati, OH 45274-2523



Authorized Payment Locations Find locations online at ColumbiaGasKY.com

Your Safety

In case of an emergency, such as odor of gas, carbon monoxide or fire:

1. Leave the area immediately.

- Leave windows and doors in their positions and avoid doing anything that
- could cause a spark.
 From a safe area, call 911and Columbia
 Gas at 1-800-432-9515.

Always Call 8-1-1 Before You Dig
If you're planning a home or landscaping
project, call Kentucky 811 at 8-1-1 at least two
business days before diggling. A representative
will mark the approximate location of
underground utility lines for free.



Employee Identification All of our employees and contractors carry photo identification. If someone claims to represent us, ask to see identification. Call the police if you see suspicious activity.

Account Profile

Customer Name:

Your Contact Information: Greenup KY 41144

Type of Customer: Residential Paperless Billing

Account Number:

Is your contact information correct? Make all changes on the reverse side.

Account Summary

Previous Amount Due on 10/05/2016 Payments Received by 09/23/2016 Thank you

\$18,31 - \$18.31

Balance on 10/20/2016

\$0,00

Charges for Gas Service This Period

+ \$20,41 \$20,41

Current Charges Due by 11/03/2016

If paid after 11/03/16, a late payment charge of 5% may be applied. For more information regarding these charges, see the Detail Charges section.

13 Month Usage History 19 14 10 Oct 29 Nov 29 Dec 33 Feb 29 Mar 29 May 31 Oct 20 Apr 30 Jun 30 ,Ju) 30 Aug 31 2015 Monthly Billing Days 2018

0.3

11 18/2016.

Meter Number: Service Address: Meter Readings - 29 Billing Days Actual Reading on 10/20 5212

Month Mof Ava Tomp Mof Per Day Oot 15 1.0 59.2 0.0 Sep 16 Oct 16 0.0 0.3 Your Average Monthly Usage = 4.9 Mcf. Your Total Annual Usage = 58,7 Mcf. Your next meter reading date is

Usage Comparison - Mcf

▼ Please fold on the perforation below, detach and return with your payment.



Columbia Gast of Kentucky

P.O. Box 14241 Lexington, KY 40512-4241



Gas Used (Mcf)



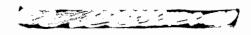
Account Number: Amount Due by 11/03/2016: \$20.41 \$ Amount Enclosed:

007015 E



Make check payable to: COLUMBIA GAS P O BOX 742523 CINCINNATI OH 45274-2523





KY PSC Case No. 2016-00162

Page 2 of 2

Post Hearing Data Request Cooper - 1 Attachment A

Account Number: 📞 Statement Date: 10/21/2016 7015

Customer Charge covers a portion of the fixed costs required to ensure that natural gas service is available to your home. This amount is the same with each bill.

Helpful Definitions

Estimated Readings are calculated based on your typical monthly usage rather than on an actual meter reading.

Gas Delivery Charges are the costs of delivering the gas to rotal customers. The charges for these services are regulated and these services must be purchased from Columbia Gas,

Gas Supply Cost Includes the cost of natural gas, interstate pipeline charges, storage costs, and related charges and is passed through to customers at cost without markup.

Gas supply service may be purchased from a participating competitive gas supplier in the Customer CHOICE program.

Mcf is equal to 1,000 cubic feet and is used to measure your gas usage.

Legal Information

Rato Schedule Information about rate schedules is available upon request or at ColumbiaGasKY.com.

Bankruptcy Notices Mail to Columbia Gas of Kentucky, Revenue Recovery, PO Box 117, Columbus, OH 43216.

Other Correspondence (except payments)
Mail to Columbia Gas of Kentucky, P.O. Box
2318, Columbus, OH 43216-2318 or contact us
at ColumbiaGasKY.com.

Detail Charges	**
Customer Charge Gas Delivery Charge Delivery	\$15.00 \$0.68 + \$15.68
Gas Supply Cost 0.3 Mcf at \$4,50340 per Mcf Supply	\$1.36 + \$1.3 6
Accelerated Main Replacement Program Rider Energy Assistance Program Surcharge Energy Efficiency and Conservation Rider Research & Development Factor Greenup City Franchise Fee Taxes & Fees	\$2,26 \$0,02 \$0,69 \$0,60 \$0,40 +\$3,37
Total Current Utility Charges	\$20.41

Message Board

- Never worry about missing a payment or writing a check again by enrolling in Automatic Payment today at ColumbiaGasKY.com.

 Take the seasonal highs and lows out by dividing your yearly energy use into 12 equal monthly payments for budgeting that's a whole lot easier. Enroll today at ColumbiaGasKY.com/Budget.
- Take control of your gas bill by choosing your natural gas supplier, it's your Choice. Go to ColumbiaGasKY.com and search Choice for more information.

Change	Contact	Information
CHAILUG	COHICAGE	millormation

If information is incorrect in the Account Profile, please update and print clearly in the space provided below.

Address		
City		
State	Zip Code	
Phone Number		
Add or Edit Email		

WinterCare Contribution

WinterCare, Columbia Gas of Kentucky's fuel fund program, is a fund of last resort for households who have exhausted all other sources of assistance and still have trouble paying their heating bills. The fund is administered by The Community Action Council and is supported through donations from customers and matching contributions from Columbia Gas.

commended in print dolatilibile Cala.	
* Your donation is tax-deductible,	
Monthly Contribution	One-Time Contribution
\$10 \$5 \$1	
	\$
\$	

Statement Date: 10/14/2016

602 Page 1 of 2



Contact Us

A NISource Company

Emergency Service 24/7 1-800-432-9515

For gas leaks or odors of gas

Customer Call Center Hours 1-800-432-9345

For hearing-impaired relay call 711.

Make payments and access your account at ColumbiaGasKY.com

Mobile Make payments and access your

account at m.ColumbiaGasKY.com

7 a.m. - 7 p.m. Mon. - Fri. 8 a.m. - 12 p.m. Sat.

Customer Name:

Your Contact Information:

Type of Customer: Residential

Account Number

Irvine KY 40336

Account Number:

Is your contact information correct? Make all changes on the reverse side.

Account Summary

Account Profile

Previous Amount Due on 09/28/2016 Payments Received by 09/29/2016 Thank you

\$18.85 - \$18.85

Balance on 10/13/2016

\$0.00

Charges for Gas Service This Period

+ \$18.85

Current Charges Due by 10/27/2016

\$18.85

- If paid after 10/27/16, a late payment charge of 5% may be applied.
- For more information regarding these charges, see the Detail Charges section,

Mail Payments Columbia Gas of Kentucky P.O. Box 742523 Cincinnati, OH 45274-2523



Authorized Payment Locations Find locations online at ColumbiaGasKY,com

Your Safety

In case of an emergency, such as odor of gas, carbon monoxide or fire;

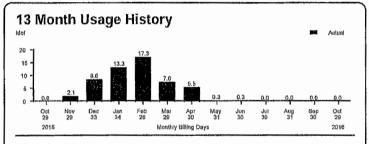
1. Leave the area immediately.

- Leave windows and doors in their positions and avoid doing anything that
- could cause a spark.
 From a safe area, call 911 and Columbia
 Gas at 1-800-432-9515.

Always Call 8-1-1 Before You Dig Atways Call 8-1-1 Before You Dig if you're planning a home or landscaping project, call Kentucky 811 at 8-1-1 at least two business days before digging. A representative will mark the approximate location of underground utility lines for free.



Employee Identification All of our employees and contractors carry photo identification. If someone claims to represent us, ask to see identification. Call the police if you see suspicious activity.



Meter Number:

Service Address:

Irvina KY 40336

Meter Readings -29 Billing Days

Actual Rending on 10/13 Actual Rending on 9/14 9793 9793 Gas Used (Mcf) 0.0

Month Mol Avg Temp Mof Per Day 64.7 0.0 0.0 Sep 16 Oct 16 0.0 68.4 0.0 Your Average Monthly Usage = 4.6 Mcf. Your Total Annual Usage = 65.0 Mcf. Your next meter reading date is 111

Usage Comparison - Mcf

▼ Please fold on the perforation below, detach and return with your payment.



P O. Box 14241 Lexington, KY 40512-4241

Web

Mobile a Phone 1-800-432-9516 Account Number: Amount Due by 10/27/2016: \$18.85 Amount Enclosed:

IRVINE KY 40336-C

Make check payable to: COLUMBIA GAS P O BOX 742523 CINCINNATI OH 45274-2523 ոլ[[իլԱյդ[խդոնինուլիՄԱինդումիդեկնել]]լիդիՄԱլ



KY PSC Case No. 2016-00162 Post Hearing Data Request Cooper - 1 Attachment A

Account Number: Statement Date: 10/14/2016

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Helpful Definitions

Customer Charge covers a portion of the fixed costs required to ensure that natural gas service is available to your home. This amount is the same with each bill.

Estimated Readings are calculated based on your typical monthly usage rather than on an actual meter reading.

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Gas Supply Cost Includes the cost of natural gas, interstate pipeline charges, storage costs, and related charges and is passed through to customers at cost without markup.

Gas supply service may be purchased from a participating competitive gas supplier in the Customer CHOICE program.

Mcf Is equal to 1,000 cubic feet and is used to measure your gas usage,

Legal Information

Rate Schedule Information about rate schedules is available upon request or at ColumbiaGasKY.com.

Bankruptcy Notices Mail to Columbia Gas of Kentucky, Revenue Recovery, PO Box 117, Columbus, OH 43216.

Other Correspondence (except payments) Mall to Columbia Gas of Kentucky, P.O. Box 2318, Columbus, OH 43216-2318 or contact us at ColumbiaGasKy.com.

Detail Charges	-
Customer Charge Gas Delivery Charge Delivery	\$15.00 \$0.00 +\$15,00
Gas Supply Cost 0.0 Mcf at \$4,50340 per Mcf Supply	\$0.00 + \$0.00
Accelerated Main Replacement Program Rider Energy Efficiency and Conservation Rider Research & Development Factor Irvine City Franchise Fee School Tax Taxes & Fees	\$2,26 \$0,69 \$0,00 \$0,36
Total Current Utility Charges	+\$3.85 \$18.85

Message Board

- Enjoy the convenience of managing your account online by enrolling in Paperless Billing, Monthly email alerts, 24/7 account access and up to two years of past bills and payment historyl Enroll today at ColumbiaGasKY.com/PaperlessBilling.
- and payment historyl Enroll today at ColumbiaGasKY.com/PaperlessBillin Never worry about missing a payment or wrilling a check again by enrolling in Automatic Payment today at ColumbiaGasKY.com.

 Take the seasonal highs and lows out by dividing your yearly energy use into 12 equal monthly payments for budgeting that's a whole lot easier. Enroll today at ColumbiaGasKY.com/Budget.
- Take control of your gas bill by choosing your natural gas supplier, it's your Choice. Go to ColumbiaGasKY.com and search Choice for more information.

If information is incorrect in the Account Profile, please update and print clearly in the space provided below.

Address	5."	
City	A STATE OF THE PROPERTY OF T	
State	Zip Code	
Phone Number		
Add or Edit Emai		

WinterCare Contribution

WinterCare, Columbia Gas of Kentucky's fuel fund program, is a fund of last resort for households who have exhausted all other sources of assistance and still have trouble paying their heating bills. The fund is administered by The Community Action Council and is supported through donations from customers and matching contributions from Columbia Gas.

* Your donation is tax-deductible.	
Monthly Contribution	One-Time Contribution
\$10 \$5 \$1	
	\$
(c	



Account Number Statement Date: 11/01/2016

Page 1 of 2

A NISource Company

Contact Us



Emergency Service 24/7 1-800-432-9515 For gas leaks or odors of gas

Customer Call Center Hours 1-800-432-9345 7 a.m. - 7 p.m. Mon. - Frl. 8 a.m. - 12 p.m. Sat.

For hearing-impaired relay call 711.



Make payments and access your account at ColumbiaGasKY,com



Mobile Make payments and access your account at m.ColumbiaGasKY.com



Mail Payments Columbia Gas of Kentucky P.O. Box 742523 Cincinnati, OH 45274-2523



Authorized Payment Locations Find locations online at ColumbiaGasKY.com

Account Profile





Type of Customer: Automatic Payment

is your contact information correct? Make all changes on the reverse side.

Account Summary

Previous Amount Due on 10/13/2016 \$21.44 Payments Received by 10/12/2016 Thank you - \$21.44 \$0.00 Balance on 10/31/2016 Charges for Gas Service This Period + \$22,18

Current Charges Due by 11/14/2016

\$22.18

Mof Per Day

- An Automatic Payment of \$22.18 will be made on 11/14/2016 by your bank.
- If paid after 11/14/16, a late payment charge of 5% may be applied,
- For more information regarding these charges, see the Detail Charges section.

Foreign language interpreter service is available by phone and in-person. This service is available 24/7 to report emergencies.

Your Safety

- In case of an emergency, such as odor of gas, carbon monoxide or fire:

 1. Leave the area immediately,

 2. Leave windows and doors in their positions and avoid doing anything that
- could cause a spark. From a safe area, call 911 and Columbia Gas at 1-800-432-9515,

Always Call 8-1-1 Before You Dig
If you're planning a home or landscaping
project, call Kentucky 811 at 8-1-1 at least two
business days before diggling. A representative
will mark the approximate location of
underground utility lines for free.



Employee Identification
All of our employees and contractors carry
photo identification. If someone claims to represent us, ask to see Identification, Call the police if you see suspicious activity.

13 Month Usage History Actua 27 20 Feb 29 Арг 32 Jun 30 Oct 30 Nov 31 Νογ 29 Dec 33 Mar 29 May 29 Jul 29 Aug 32 Sep 29 Jan 34 2015 Monthly Billing Day: 2016

Month

Meter Number: Service Address: Lexington KY 40502 Meter Readings - 31 Billing Days Actual Reading on 10/31 Actual Reading on 9/30 1609 1605 Gas Used (Mcf) 0.4

Nov 15 0.5 58 2 0.0 73.1 ° 63.2° 0.0 Your Average Monthly Usage = 4.7 Mcf. Your Total Annual Usage = 56.2 Mcf. Your next meter reading date is 12/01/2016.

Usage Comparison - Mcf

Maf Avg Temp

Please fold on the perforation below, detach and return with your payment.



Columbia Gas-of Kentucky

P O. Box 14241 Lexington, KY 40512-4241

Web

Mobile Phone 1-800-432-9516 Account Number: Automatic Bill Payment on 11/14/2016\$22.18



ելելի || իր Արևելի Մեսոլի || իր հեր || Մարի հեր |

COLUMBIA GAS P O BOX 742523 CINCINNATI OH 45274-2523



KY PSC Case No. 2016-00162

Post Hearing Data Request Cooper - 1 Attachment A

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Account Number:

Statement Date: 11/01/2016

811 Page 2 of 2

Helpful Definitions

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Legal Information

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Bankruptcy Notices Mail to Columbia Gas of Kentucky, Revenue Recovery, PO Box 117, Columbus, OH 43216.

Other Correspondence (except payments)
Mall to Columbia Gas of Kentucky, P.O. Box
2318, Columbius, OH 43216-2318 or contact us
at ColumbiaGasKY.com.

Detail Charges	
Customer Charge Gas Dellvery Charge	\$15.00 \$0,91
Delivery	+\$15.91
Gas Supply Cost 0.4 Mcf at \$4.50340 per Mcf	\$1,81
Supply	+\$1.81
Accelerated Main Replacement Program Rider	\$2.26
Energy Assistance Program Surcharge Energy Efficiency and Conservation Rider	\$0.02 \$0.69
Research & Development Factor	\$0.01
Lex-Fay, Urban Govt, Franchise Fee	\$0.86
School Tax	\$0.62
Taxes & Fees	+\$4.46
Total Current Utility Charges	\$22,18

Message Board

- Enjoy the convenience of managing your account online by enrolling in Paperless Billing. Monthly email alerts, 24/7 account access and up to two years of past bills and payment historyl Enroll today at ColumbiaGasKY.com/PaperlessBilling. Take the seasonal highs and lows out by dividing your yearly energy use into 12 equal monthly payments for budgeting that's a whole lot easier. Enroll today at ColumbiaGasKY.com/Budget.
 Take control of your gas bill by choosing your natural gas supplier. It's your Choice. Go to ColumbiaGasKY.com and search Choice for more information.

Change Contact Information

If information is incorrect in the Account Profile, please update and print clearly in the space provided below.

City		
State	Zlp Code	
Phone Number		

WinterCare Contribution

WinterCare, Columbia Gas of Kentucky's fuel fund program, is a fund of last resort for households who have exhausted all other sources of assistance and still have trouble paying their heating bills. The fund is administered by The Community Action Council and is supported through donations from customers and matching contributions from Columbia Gas.

* Your donation is tax-deductible.	
Monthly Contribution	One-Time Contribution
\$10 \$5 \$1	
	\$
\$	



Account Number Statement Date: 10/14/2016 9903

Page 1 of 2

Contact Us



Emergency Service 24/7 1-800-432-9515 For gas leaks or odors of gas

Customer Call Center Hours 1-800-432-9345 7 a.m. - 7 p.m. Mon. - Fri. 8 a.m. - 12 p.m. Sat.

For hearing-impaired relay call 711.



Make payments and access your account at ColumbiaGasKY.com



Make payments and access your account at m.ColumbiaGasKY.com



Mali Payments Columbia Gas of Kentucky P.O. Box 742523 Cincinnati, OH 45274-2523



Authorized Payment Locations Find locations online at ColumbiaGasKY.com

Your Safety

In case of an emergency, such as odor of gas, carbon monoxide or fire:

- on monoxide or tire: Leave the area immediately. Leave windows and doors in their positions and avoid doing anything that
- From a safe area, call 911 and Columbia Gas at 1-800-432-9515.

Always Call 8-1-1 Before You Dig Always Call 8-1-1 Before You Dig If you're planning a home or landscaping project, call Kentucky 811 at 8-1-1 at least two business days before diggling. A representative will mark the approximate location of underground utility lines for free.



Employee Identification All of our employees and contractors carry photo identification. If someone claims to represent us, ask to see identification, Call the police if you see suspicious activity.

Account Profile



Ravenna KY 40472

Your Contact Information:

Type of Customer: Residential
Paperless Billing
Budget Payment Plan

Is your contact information correct? Make all changes on the reverse side.

Budget Payment Plan

Previous Amount Due on 09/28/2016 Payments Received by 10/03/2016 Thank you

\$94,00

Budget Balance on 10/13/2016

\$0.00

Budget Amount This Period

+ \$47.00

Current Charges Due by 10/27/2016

\$47.00

There are 6 months remaining in the Budget Year, which ends in April, 2017.

Actual Account Summary

Beginning Balance Payments Received

\$12.69 CR -\$94.00

Current Utility Charges

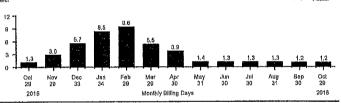
+\$27.48

Actual Account Balance

\$79,21CR

- Your Actual Account Balance reflects the actual amount you owe based on your billed usage and payments as of the date of this bill.
- For more information regarding these charges, see the Detail Charges section.

13 Month Usage History



4112

1.2

Meter Number: Service Address:

Meter Readings - 29 Billing Days Actual Reading on 10/13 Actual Reading on 9/14 Gas Used (Mcf)

Usage Comparison - Mcf Month Mcf Avo Temp Mcf Per Day Oct 15 13 84.7 0.0 0.0 **0,0** Sep 16 Oct 16 68.4°

Your Average Monthly Usage = 3.7 Mcf, Your Total Annual Usage = 43.9 Mcf. Your next meter reading date is 11112016.

Please fold on the perforation below, detach and return with your payment.

RAVENNA KY 40472-1431

Columbia Gas.

P.O. Box 14241 Lexington, KY 49512-4241

Web

Mobile O

Amount Enclosed: Phone 1-800-432-9516

Account Number: Amount Due by 10/27/2016: \$47.00

009903 E



Make check payable to: COLUMBIA GAS P O BOX 742523 CINCINNATI OH 45274-2523





Account Number: Statement Date: 10/14/2016 9903

Page 2 of 2

Helpful Definitions

Customer Charge covers a portion of the fixed costs required to ensure that natural gas service is available to your home. This amount is the same with each bill.

Estimated Readings are calculated based on your typical monthly usage rather than on an actual meter reading.

Gas Dolivery Charges are the costs of delivering the gas to retail customers. The charges for these services are regulated and these services must be purchased from Columbia Gas.

Gas Supply Cost includes the cost of natural gas, interstate pipeline charges, storage costs, and related charges and is passed through to customers at cost without markup.

Gas supply service may be purchased from a participating competitive gas supplier in the Customer CHOICE program.

Mcf is equal to 1,000 cubic feet and is used to measure your gas usage.

Legal Information

Rate Schedule Information about rate schedules is available upon request or at ColumbiaGasKY.com.

Bankruptcy Notices Mail to Columbia Gas of Kentucky, Revenue Recovery, PO Box 117, Columbus, OH 43216.

Other Correspondence (except payments)
Mail to Columbia Gas of Kentucky, P.O. Box
2318, Columbus, OH 43216-2318 or contact us
at ColumbiaGasKY,com.

Detail Charges Customer Charge Gas Delivery Charge	\$15,00 \$2,72
Delivery	+\$17.72
Gas Supply Cost 1.2 Mcf at \$4.50340 per Mcf Supply	\$5.41 +\$ 5.41
Accelerated Main Replacement Program Rider Energy Assistance Program Surcharge Energy Efficiency and Conservation Rider Research & Development Factor Ravenna City Franchise Fee School Tax	\$2,26 \$0.07 \$0.69 \$0.02 \$0.52 \$0.79
Taxes & Fees	+\$4.35

Message Board

- Never worry about missing a payment or writing a check again by enrolling in Automatic Payment today at ColumbiaGasKY.com.

 Take control of your gas bill by choosing your natural gas supplier. It's your Choice.
- Go to ColumbiaGasKY.com and search Choice for more information.

Change C	Contact I	nform	atior
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If information is incorrect in the Account Profile, please update and print clearly in the space provided below.

Address		
City		
State	Zip Code	
Phone Number		
Add or Edit Email		

WinterCare Contribution

WinterCare, Columbia Gas of Kentucky's fuel fund program, is a fund of last resort for households who have exhausted all other sources of assistance and still have trouble paying their heating bills. The fund is administered by The Community Action Council and is supported through donations from customers and matching contributions from Columbia Gas.

* Your donation is tax-deductible.	
Monthly Contribution	One-Time Contribution
\$10 \$5 \$1	e e
	, a
s	



Account Numbers 1982 Statement Date: 10/13/2016 Page 1 of 2

Contact Us



Phone Emergency Service 24/7 1-800-432-9515 For gas leaks or odors of gas

Customer Call Center Hours 1-800-432-9345 7 a.m. - 7 p.m. Mon. - Fri. 8 a.m. - 12 p.m. Sat.

For hearing-impaired relay call 711.



Make payments and access your account at ColumbiaGasKY.com



Make payments and access your account at m.ColumbiaGasKY.com



Mail Payments Columbia Gas of Kentucky P.O. Box 742523 Cincinnati, OH 45274-2523



Authorized Payment Locations Find locations online at ColumbiaGasKY.com

Your Safety

In case of an emergency, such as odor of gas, carbon monoxide or fire:

Leave the area immediately.
Leave windows and doors in their

- positions and avoid doing anything that could cause a spark.
 From a safe area, call 911 and Columbia Gas at 1-800-432-9515,

Always Call 8-1-1 Before You Dig Always Gill 8-1-1 Before You Dig fl you're planning a home or landscaping project, call Kentucky 811 at 8-1-1 at least two business days before diggling. A representative will mark the approximate locallon of underground utility lines for free.



Employee Identification All of our employees and contractors carry photo identification. If someone claims to ropresent us, ask to see identification. Call the police if you see suspicious activity.

Account Profile

Customer Name: Contract of the Contract of th Account Number:

Your Contact Information: Winchester KY 40391

Type of Customer: Residential Budget Payment Plan

is your contact information correct? Make all changes on the reverse side.

Budget Payment Plan

Previous Amount Due on 09/27/2016

\$50,00 \$50.00

Payments Received by 09/19/2016 Thank you Budget Balance on 10/12/2016

\$0,00

Budget Amount This Period

+ \$50.00

Current Charges Due by 10/26/2016

\$50.00

There are 6 months remaining in the Budget Year, which ends in April, 2017,

Actual Account Summary

Bealsning Balance Payments Received **Current Utility Charges**

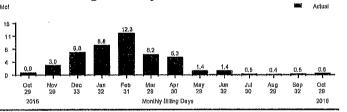
\$84,00 CR - \$50.00 + \$23,38

Actual Account Balance

\$110.62CR

- Your Actual Account Balance reflects the actual amount you owe based on your billed usage and payments as of the date of this bill.
- For more information regarding these charges, see the Detail Charges section,

13 Month Usage History



Meter Number:

Service Address:

Winchester KY 4039 4 Meter Readings - 29 Billing Days Usage Comparison - Mcf Month Mof Avg Temp Oct 15

Mcf Per Day ០១ 64.7 0.0 0.0 Sep 16 Oct 16 0.6 68.6°

Actual Reading on 10/12 Actual Reading on 9/13 7743 Gas Used (Mcf) 0.6 Your Average Monthly Usage = 3.9 Mcf. Your Total Annual Usage = 47.2 Mcf. Your next meter reading date is 1110/2016

Please fold on the perforation below, detach and return with your payment.

1038 🕻 🏂 🕏 Columbia Gas of Kentucky

P.O. Box 14241 Lexington, KY 40512-4241

Web Columb a

Mobile m ColumbiaGaskY com Phone 1-800-432-9515

Account Number: Amount Due by 10/26/2016: \$50.00

Amount Enclosed:

00002857 01 AV 0,373 1 AUTO**SCH 5-DIGIT 40391 WINCHESTER KY 40391 <u> Կելիիոնվըիրդինիվիիլիլիդիրժվմիիկի</u>աիսկիր

Make check payable to: P O BOX 742523 **CINCINNATI OH 45274-2523** ւդիկիկիկիկինալիննինիանիանիկիկիկիկիկի



KY PSC Case No. 2016-00162

Post Hearing Data Request Cooper - 1 Attachment A Page 12 of 14

> CANALI VIEW Account Number: Statement Date: 10/13/2016 534

Page 2 of 2

Helpful Definitions

Customer Charge covers a portion of the fixed costs required to ensure that natural gas service is available to your home. This amount is the same with each bill.

Estimated Readings are calculated based on your typical monthly usage rather than on an actual meter reading.

Gas Delivery Charges are the costs of delivering the gas to retail customers. The charges for these services are regulated and these services must be purchased from Columbia Gas.

Gas Supply Cost Includes the cost of natural gas, interstate pipeline charges, storage costs, and related charges and is passed through to customers at cost without markup.

Gas supply service may be purchased from a participating competitive gas supplier in the Customer CHOICE program.

Mcf is equal to 1,000 cubic feet and is used to measure your gas usage.

Legal Information

Rate Schedule Information about rate schedules is available upon request or at ColumbiaGasKY.com.

Bankruptcy Notices Mail to Columbia Gas of Kentucky, Revenue Recovery, PO Box 117, Columbus, OH 43216.

Other Correspondence (except payments)
Mail to Columbia Gas of Kentucky, P.O. Box
2318, Columbus, OH 43216-2318 or contact us
at ColumbiaGasKY.com.

Detail Charges Customer Charge Gas Delivery Charge	\$15,00 \$1,36
Delivery	+\$16.36
Gas Supply Cost 0.6 Mcf at \$4.50340 per Mcf Supply	\$2.70 + \$2.70
Accelerated Main Replacement Program Rider Energy Assistance Program Surcharge Energy Efficiency and Conservation Rider Research & Development Factor Winchester City Franchise Fee School Tax	\$2,26 \$0.04 \$0,69 \$0.06 \$0,66
Taxes & Fees	+\$4.32
Total Current Utility Charges	\$23.38

Message Board

- Enjoy the convenience of managing your account online by enrolling in Paperless Billing, Monthly email alerts, 24/7 account access and up to two years of past bills and payment historyl Enroll today at ColumbiaGasKY.com/PaperlessBilling. Never wory about missing a payment or writing a check again by enrolling in Automalic Payment today at ColumbiaGasKY.com.

 Take control of your gas bill by choosing your natural gas supplier, it's your Choice. Go to ColumbiaGasKY.com and search Choice for more information.

Change	Contact	Informati	or
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If information is incorrect in the Account Profile, please update and print clearly in the space provided below.

City		
State	Zlp Code	
Phone Number		

WinterCare Contribution

WinterCare, Columbia Gas of Kentucky's fuel fund program, is a fund of last resort for households who have exhausted all other sources of essistance and still have trouble paying their heating bills. The fund is administered by The Community Action Council and is supported through donations from customers and matching contributions from Columbia Gas.

* Your donation is tax-deductible.	
Monthly Contribution	One-Time Contribution
\$10 \$5 \$1	
	\$
\$	



Account Number: Statement Date: 11/04/2016 590 Page 1 of 2

Contact Us



Emergency Service 24/7 1-800-432-9515 For gas leaks or odors of gas

Customer Call Center Hours 1-800-432-9345 7 a.m. - 7 p.m. Mon. - Fri. 8 a.m. - 12 p.m. Sat.

For hearing-impaired relay call 711.



Make payments and access your account at ColumbiaGasKY.com



Make payments and access your account at m.ColumbiaGasKY.com



Mail Payments Columbia Gas of Kentucky P.O. Box 742523 Cincinnati, OH 45274-2523



Authorized Payment Locations Find locations online at ColumbiaGasKY.com

Account Profile

Customer Name:

Your Contact Information: Versailles KY 40383

Type of Customer: Residential Automatic Payment

Account Number:

Is your contact information correct? Make all changes on the reverse side.

Account Summary

Previous Amount Due on 10/18/2016 Payments Received by 10/17/2016 Thank you

\$28,21 \$28,21

Balance on 11/03/2016

\$0.00 + \$47.61

Charges for Gas Service This Period

\$47.61

Current Charges Due by 11/17/2016 An Automatic Payment of \$47.61 will be made on 11/17/2016 by your bank,

- If paid after 11/17/16, a late payment charge of 5% may be applied.
- For more information regarding these charges, see the Detail Charges section.

Foreign language interpreter service is available by phone and in-person. This service is available 24/7 to report emergencies.

Your Safety

In case of an emergency, such as odor of gas,

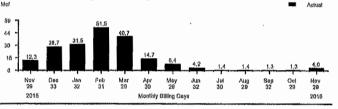
- Leave the area immediately.
 Leave windows and doors in their positions and avoid doing anything that
- could cause a spark.
 From a safe area, call 911 and Columbia
 Gas at 1-800-432-9515.

Always Call 8-1-1 Before You Dig
If you're planning a home or landscaping
project, call Kentucky 811 at 8-1-1 at least two
business days before digging. A representative
will mark the approximate location of
underground utility lines for free.



Employee Identification
All of our employees and contractors carry
photo Identification. If someone claims to
represent us, ask to see Identification, Call the
police if you see suspicious activity.

13 Month Usage History



Meter Number: Service Address: Versailles KY 40383

Meter Readings - 29 Billing Days Actual Reading on 11/3 Actual Reading on 10/5 Gas Used (Mcf)

Usage Comparison - Mcf Mcf Mef Par Day Nov 15 12.3 57.7 71.4 ° 63.6° 4.0 0,0 0.1

Your Average Monthly Usage = 15.8 Mcf. Your Total Annual Usage ≈ 189,1 Mcf. Your next meter reading date is 12/06/2016.

Please fold on the perforation below, detach and return with your payment.

Columbia Gast

P.O Box 14241 Lexington, KY 40512-4241

Web A Phone 1-800-432-9515

Account Number Automatic Bill Payment on 11/17/2016\$47,61



COLUMBIA GAS CINCINNATI OH 45274-2523 գյյիլՈւյլիորդինայինիներությունինիիլիլինիր



KY PSC Case No. 2016-00162

Post Hearing Data Request Cooper - 1 Attachment A Page 14 of 14

Account Number∡	٠.	r ==
Statement	Date: 11/0	4/2016
		590
	Page	2 of 2

Helpful Definitions

Customer Charge covers a portion of the fixed costs required to ensure that natural gas service is available to your home. This amount is the same with each bill.

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Mcf is equal to 1,000 cubic feet and is used to measure your gas usage.

Legal Information

Rate Schedule Information about rate schedules is available upon request or at ColumbiaGasKY.com.

Bankruptcy Notices Mall to Columbia Gas of Kentucky, Revenue Recovery, PO Box 117, Columbus, OH 43216.

Other Correspondence (except payments)
Mail to Columbia Gas of Kentucky, P.O. Box
2318, Columbus, OH 43216-2318 or contact us
at ColumbiaGasKY.com.

Detail Charges Customer Charge	\$15.00
Gas Delivery Charge	\$9,07
Delivery	+\$24.07
Gas Supply Cost 4.0 Mcf at \$4.50340 per Mcf Supply	\$18.02 + \$18.0 2
Accelerated Main Replacement Progrem Rider Energy Assistance Program Surcharge Energy Efficiency and Conservation Rider Research & Development Factor Versallies Cily Franchise Fee School Tax	\$2,26 \$0,24 \$0,69 \$0,09 \$1,3
Taxes & Fees	+\$5,52

Message Board

- Enjoy the convenience of managing your account online by enrolling in Paperiess Billing, Monthly email alerts, 24/7 account access and up to two years of past bills and payment historyl Enroll today at ColumbiaGasKY.com/PaperlessBilling, Take the seasonal highs and lows ut by dividing your yearly onergy use into 12 equal monthly payments for budgeting that's a whole lot easier, Enroll today at ColumbiaGasKY.com/Budget.

 Take control of your gas bill by choosing your natural gas supplier. It's your Choice. Go to ColumbiaGasKY.com and search Choice for more information.

If information is incorrect in the Account Profile, please update and print clearly in the space provided below.

City		
State	ZIp Code	
Phone Number	Charles and the Control of the Contr	\

WinterCare Contribution

WinterCare, Columbia Gas of Kentucky's fuel fund program, is a fund of last resort for households who have exhausted all other sources of assistance and still have trouble paying their heating bills. The fund is administered by The Community Action Council and is supported through donations from customers and matching contributions from Columbia Gas.

Monthly Contribution	One-Time Contribution
\$10 \$5 \$1	\$

Respondent: Judy M. Cooper

COLUMBIA GAS OF KENTUCKY, INC. RESPONSE TO STAFF'S POST HEARING DATA REQUESTS DATED NOVEMBER 4, 2016

2. Provide a schedule showing all of the capital costs, including ROE and long- and short-term debt cost, and the capital structure that will be used for determining the AMRP cost of capital.

Response:

Please see the table below that provides the capital structure that will be used in future AMRP filings to determine the AMRP cost of capital.

CLASS OF		PERCENT OF	COST	WEIGHTED
CAPITAL	AMOUNT \$	TOTAL	RATE	COST
SHORT-TERM DEBT	3,114,231	1.26%	2.50%	0.03%
LONG-TERM DEBT	114,698,846	46.32%	5.64%	2.61%
PREFERRED				
STOCK	0	0.00%	0.00%	0.00%
COMMON EQUITY	129,778,000	<u>52.42%</u>	9.80%	<u>5.14%</u>
TOTAL CAPITAL	247,591,077	100.00%		7.78%

COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO STAFF'S POST HEARING DATA REQUESTS
DATED NOVEMBER 4, 2016

1. Provide the proof of revenue spread sheets that were attached to the

Settlement electronically in Excel spread sheet format.

Response:

Please see CKY_R_PHDR_MILLER1_ATT_A_111116.xlsm for the proof of

revenue spread sheets that were attached to the Settlement.

When reviewing the spreadsheet for this response, it was noticed that for the

SAS rate schedule on page 5 the current rate blockings consisting of the First

30,000 Mcf and Over 30,000 Mcf is shown instead of the proposed First 30,000,

Next 70,000, and Over 100,000 rate blocking as intended. The SAS rate schedule,

IS rate schedule and DS rate schedule all billed the same base rates and are

proposed to do so as a result of this rate case.

Because there are no customers on rate schedule SAS in this rate case there is no

revenue impact to the proof of revenue. There is also no impact to the final rate

design or M Schedules (revenue schedules). It is also important to note that the

Tariff sheets that are attached to the settlement showed the correct proposed rate blocks for rate schedule SAS.

Columbia has corrected in attachment A the proof of revenue spreadsheet to show that rate schedule SAS will have proposed rates blocks of First 30,000, Next 70,000, and Over 100,000 the same as rate schedules IS and DS.

SCHEDULE M

REVENUE SUMMARY FOR BASE PERIOD AND FORECASTED PERIOD

COLUMBIA GAS OF KENTUCKY, INC.

CASE NO. 2016-00162

BASE PERIOD: FOR THE TWELVE MONTHS ENDED AUGUST 31, 2016

FORECASTED PERIOD: FOR THE TWELVE MONTHS ENDED DECEMBER 31, 2017

<u>SCHEDULE</u> <u>DESCRIPTION</u>

M	BASE AND FORECASTED PERIOD AT PRESENT RATES
M-2.1	PRESENT AND PROPOSED REVENUE AT FORECASTED PERIOD
M-2.2	BILLING ANALYSIS FOR THE FORECASTED PERIOD AT PRESENT RATES
M-2.2B	BILLING ANALYSIS FOR THE BASE PERIOD AT CURRENT RATES
M-2.3	BILLING ANALYSIS FOR THE FORECASTED PERIOD AT PROPOSED RATES

CKY_R_PHDR_MILLER1_ATT_A_111116.xlsm KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

Data entry areas are shown in the color blue. Calculations and text are shown in black. Instructions are highlighted in yellow.

Columbia Gas of Kentucky, Inc.

Case No. 2016-00162

Witness: Witness: M. J. Bell

2.8155 Expected Gas Cost Firm Commodity Rate: 2.2091 Gas Cost Adjustment Rate:

Gas Cost Adjustment Firm Commodity Rate: 0.8977 GCA - uncollectible

Gas Cost Adjustment Firm Demand Rate: 1.3114 Gas Cost Adjustment Date: March 1, 2016

Input area:

							Current Rate	s					
Rate Code	Rate Schedule Name	First Block	Second Block	Third Block	Fourth Block	Fifth Block	Cust Chg.	Admin chg	AMRP	EECP	<u>EAP</u>	R&D	<u>Uncoll</u>
GSR	General Service - Residential	2.2666					15.00		2.25	0.69	0.0597	0.0139	0.0160
G1C	LG&E Commercial	2.1558					56.92						
G1R	LG&E Residential	2.9600					17.27						
IN3	Inland Gas General Service - Residential	0.4000					0.00					0.0139	
IN3	Inland Gas General Service - Commercial	0.4000					0.00					0.0139	
IN4	Inland Gas General Service - Residential	0.5500					0.00					0.0139	
IN5	Inland Gas General Service - Residential	0.6000					0.00					0.0139	
LG2	LG&E Residential	0.3500					0.00						
LG2	LG&E Commercial	0.3500					0.00						
LG3	LG&E Residential	0.0000	0.3500				1.20						
LG4	LG&E Residential	0.4000					0.00						
GSO	General Service - Commercial	2.2666	1.7520	1.6659	1.5164		37.50		8.02			0.0139	0.0160
GSO	General Service - Industrial	2.2666	1.7520	1.6659	1.5164		37.50		8.02			0.0139	0.0160
GST	General Service - Trans Fallback - Comm	0.0000					0.00						
GST	General Service - Trans Fallback - Ind	0.0000					0.00						
IST	Interruptible Service - Fallback - Commercial	0.0000					0.00						
IST	Interruptible Service - Fallback - Industrial	0.0000					0.00						
IS	Interruptible Service - Industrial	0.5443	0.2890	0.2890			1,007.05		449.59			0.0139	0.0160
IUS	Intrastate Utility Service - Wholesale	0.8150					477.00		76.96			0.0139	0.0160

CKY_R_PHDR_MILLER1_ATT_A_111116.xlsm KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

Transportation Service

						15.00		2.25	0.69	0.0597	0.0139
GTR	GTS Choice - Residential	2.2666							0.09	0.0597	
GTO	GTS Choice - Commercial	2.2666	1.7520	1.6659	1.5164	37.50		8.02			0.0139
GTO	GTS Choice - Industrial	2.2666	1.7520	1.6659	1.5164	37.50		8.02			0.0139
DS	GTS Delivery Service - Commercial	0.5443	0.2890	0.2890		1,007.05	55.90	449.59			0.0139
DS	GTS Delivery Service - Industrial	0.5443	0.2890	0.2890		1,007.05	55.90	449.59			0.0139
GDS	GTS Grandfathered Delivery Service - Commercial	2.2666	1.7520	1.6659	1.5164	37.50	55.90	8.02			0.0139
GDS	GTS Grandfathered Delivery Service - Industrial	2.2666	1.7520	1.6659	1.5164	37.50	55.90	8.02			0.0139
			1.7320	1.0000		200.00	55.90				0.0139
DS3	GTS Main Line Service - Industrial	0.0858									0.0.00
FX1	GTS Flex Rate - Commercial	0.3900				1,007.05	55.90				
FX2	GTS Flex Rate - Commercial	0.3900				1,007.05	55.90				
FX5	GTS Flex Rate - Industrial	0.0858				200.00	55.90				
FX7	GTS Flex Rate - Industrial	0.4900	0.2700	0.2700		1,007.05	55.90				
SAS	GTS Special Agency Service	0.5443	0.2890	0.2890		1,007.05	55.90	449.59			0.0139
SC3	GTS Special Rate - Industrial	0.2900	0.1600	0.1600		1,007.05	55.90				
003	G10 Openial Nate Industrial	1.2000									

Proposed Rates														
First Block	Second Block	Third Block	Fourth Block	Fifth Block	Cust Chg.	Admin chg.	AMRP	EECP	EAP	R&D	Uncoll			
3.5927					16.00		0.00	0.6900	0.0597	0.0139	0.0260			
2.1558					56.92									
2.9600					17.27									
0.4000					0.00					0.0139				
0.4000					0.00					0.0139				
0.5500					0.00					0.0139				
0.6000					0.00					0.0139				
0.3500					0.00									
0.3500					0.00									
0.0000	0.3500				1.20									
0.4000					0.00									
3.0332	2.3446	2.2294	2.0294		44.69		0.00			0.0139	0.0260			
3.0332	2.3446	2.2294	2.0294		44.69		0.00			0.0139	0.0260			
0.0000					0.00									
0.0000					0.00									
0.0000					0.00									
0.0000					0.00									
0.6321	0.3773	0.3283			2,007.00		0.00				0.0260			
1.1635					567.40		0.00			0.0139	0.0260			

CKY_R_PHDR_MILLER1_ATT_A_111116.xlsm KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

3.5927				16.00		0.00	0.69	0.0597	0.0139
3.0332	2.3446	2.2294	2.0294	44.69		0.00			0.0139
3.0332	2.3446	2.2294	2.0294	44.69		0.00			0.0139
0.6321	0.3773	0.3283		2,007.00	0.00	0.00			0.0139
0.6321	0.3773	0.3283		2,007.00	0.00	0.00			0.0139
3.0332	2.3446	2.2294	2.0294	44.69	0.00	0.00			0.0139
3.0332	2.3446	2.2294	2.0294	44.69	0.00	0.00			0.0139
0.0858				255.90	0.00				0.0139
0.3900				1,062.95	0.00				
0.3900				1,062.95	0.00				
0.0858				255.90	0.00				
0.4900	0.2700			1,062.95	0.00				
0.6321	0.3773	0.3283		2,007.00	0.00	0.00			0.0139
0.2900	0.1600			1,062.95	0.00				

Columbia Gas of Kentucky, Inc. Determination of Test Year Gas Cost Revenue For the 12 Months Ended December 31, 2017

Data: ___ Base Period_X_Forecasted Period Type of Filing: X_Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Workpaper WPM-A.2 Sheet 1 of 1

12 IVIO	ntns Forecasted					F	orecasted Pe	riod							
Line No.	Description (A)		<u>Jan-17</u> (B)	Feb-17 (C)	Mar-17 (D)	<u>Apr-17</u> (E)	May-17 (F)	<u>Jun-17</u> (G)	<u>Jul-17</u> (H)	<u>Aug-17</u> (I)	Sep-17 (J)	Oct-17 (K)	Nov-17 (L)	Dec-17 (M)	Total (N)
1	Rate Schedule GSR - Re	sidential													
2	Gas Cost Rate [1] Volumes	\$/Mcf Mcf	2.2091 1,331,907.1	2.2091 1,291,151.8	2.2091 968,403.0	2.2091 552,553.4	2.2091 259,776.4	2.2091 123,911.3	2.2091 88,930.0	2.2091 85,940.7	2.2091 88,922.9	2.2091 141,784.3	2.2091 408,542.4	2.2091 906,257.2	6,248,080.5
4	Total Gas Revenue	\$	\$2,942,316	\$2,852,283	\$2,139,299	\$1,220,646	\$573,872	\$273,732	\$196,455	\$189,852	\$196,440	\$313,216	\$902,511	\$2,002,013	\$13,802,635
5	Rate Schedule GSO - Co	mmercial													
6	Gas Cost Rate [1] Volumes	\$/Mcf Mcf	2.2091 660.740.0	2.2091 655,060.9	2.2091 456.847.5	2.2091 277,301.9	2.2091 134,480.2	2.2091 80,718.3	2.2091 56,728.5	2.2091 52,785.7	2.2091 51,801.2	2.2091 77,144.1	2.2091 171,035.9	2.2091 423,570.9	3,098,215.1
8	Total Gas Revenue	\$	\$1,459,641	\$1,447,095	\$1,009,222	\$612,588	\$297,080	\$178,315	\$125,319	\$116,609	\$114,434	\$170,419	\$377,835	\$935,710	\$6,844,267
9	Rate Schedule GSO - Inc	dustrial													
10 11	Gas Cost Rate [1]	\$/Mcf Mcf	2.2091 33.000.2	2.2091 31.999.9	2.2091 30,900.0	2.2091 29,799.9	2.2091 28,800.3	2.2091 27,749.9	2.2091 27,749.9	2.2091 28,750.2	2.2091 28,750.2	2.2091 30,849.9	2.2091 30,900.0	2.2091 31,000.1	360,250.5
12	Total Gas Revenue	\$	\$72,901	\$70,691	\$68,261	\$65,831	\$63,623	\$61,302	\$61,302	\$63,512	\$63,512	\$68,151	\$68,261	\$68,482	\$795,829
13	Rate Schedule IS - Indus	trial													
14 15	Gas Cost Rate [1] Volumes	\$/Mcf Mcf	2.2091	2.2091	2.2091	2.2091	2.2091	2.2091	2.2091	2.2091	2.2091	2.2091	2.2091	2.2091	0.0
16	Total Gas Revenue	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Rate Schedule IUS - Who	olesale													
18 19	Gas Cost Rate [1] Volumes	\$/Mcf Mcf	2.2091 3.136.7	2.2091 2,307.2	2.2091 1,098.6	2.2091 641.7	2.2091 362.9	2.2091 221.4	2.2091 245.0	2.2091 196.3	2.2091 196.6	2.2091 705.2	2.2091 1,014.3	2.2091 1,194.8	11,320.7
20	Total Gas Revenue	\$	\$6,929	\$5,097	\$2,427	\$1,418	\$802	\$489	\$541	\$434	\$434	\$1,558	\$2,241	\$2,639	\$25,009
21	Rate Schedule G1R - Re	sidential													
22 23	Gas Cost Rate [1] Volumes	\$/Mcf Mcf	2.2091 458.3	2.2091 345.9	2.2091 279.4	2.2091 174.8	2.2091 81.1	2.2091 33.4	2.2091 24.1	2.2091 27.6	2.2091 28.4	2.2091 68.0	2.2091 159.2	2.2091 338.7	2,018.9
24	Total Gas Revenue	\$	\$1,012	\$764	\$617	\$386	\$179	\$74	\$53	\$61	\$63	\$150	\$352	\$748	\$4,460
25	Rate Schedule G1C - Co	mmercial													
26 27	Gas Cost Rate [1] Volumes	\$/Mcf Mcf	2.2091 307.2	2.2091 374.8	2.2091 373.1	2.2091 173.3	2.2091 68.9	2.2091 18.0	2.2091 29.1	2.2091 16.7	2.2091 8.8	2.2091 22.2	2.2091 83.3	2.2091 222.4	1,697.8
28	Total Gas Revenue	\$	\$679	\$828	\$824	\$383	\$152	\$40	\$64	\$37	\$19	\$49	\$184	\$491	\$3,751
29			\$4,483,478	\$4,376,758	\$3,220,650	\$1,901,251	\$935,708	\$513,952	\$383,735	\$370,504	\$374,902	\$553,542	\$1,351,384	\$3,010,085	\$21,475,950

^[1] Gas Cost Rate as of March 1, 2016, excluding Gas Cost Uncollectible Rider.

12 Months Forecasted

Workpaper WPM-B.2 Sheet 1 of 6

Line <u>No.</u>		Reference (B)	<u>Jan-17</u> (C)	<u>Feb-17</u> (D)	<u>Mar-17</u> (E)	<u>Apr-17</u> (F)	<u>May-17</u> (G)	<u>Jun-17</u> (H)	<u>Jul-17</u> (l)	<u>Aug-17</u> (J)	<u>Sep-17</u> (K)	Oct-17 (L)	Nov-17 (M)	<u>Dec-17</u> (N)	<u>Total</u> (O)
1	Rate Schedule GSR - Re	sidential													
2	Bills		97,701	97,841	97,769	97,200	96,614	95,827	95,231	94,972	94,911	95,260	96,401	97,331	1,157,058
3	Finaled Bills		<u>1,588</u>	1,632	<u>1,773</u>	2,322	2,426	2,267	2,008	<u>2,645</u>	2,068	<u>1,695</u>	<u>1,590</u>	<u>1,594</u>	23,608
4	Adjusted Bills		99,289	99,473	99,542	99,522	99,040	98,094	97,239	97,617	96,979	96,955	97,991	98,925	1,180,666
5	Rate Schedule G1C - Co	mmercial													
6	Bills		3	3	4	4	4	4	3	3	3	3	3	3	40
7	Finaled Bills		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>
8	Adjusted Bills		3	3	4	4	4	4	4	3	3	3	3	3	41
9	Rate Schedule G1R - Re	sidential													
10	Bills		16	16	16	16	16	16	16	16	16	16	16	16	192
11	Finaled Bills		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>								
12	Adjusted Bills		16	16	16	16	16	16	16	16	16	16	16	16	192
13	Rate Schedule IN3 - Res	idential													
14	Bills		9	9	9	9	8	9	9	9	9	9	9	9	107
15	Finaled Bills		<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u> 10	<u>0</u> 8	<u>0</u>	<u>0</u> 9	<u>0</u>	<u>0</u> 9	<u>0</u> 9	<u>0</u>	<u>0</u> 9	<u>1</u>
16	Adjusted Bills		9	9	9	10	8	9	9	9	9	9	9	9	108
17	Rate Schedule IN4 - Res	idential													
18	Bills		0	0	0	0	0	0	0	0	0	0	0	0	0
19	Finaled Bills		<u>0</u>	<u>0</u> 0	<u>0</u> 0	<u>0</u> 0	<u>0</u> 0	<u>0</u>	<u>0</u> 0	<u>0</u>	<u>0</u> 0	<u>0</u> 0	<u>0</u>	<u>0</u> 0	<u>0</u> 0
20	Adjusted Bills		0	0	0	0	0	0	0	0	0	0	0	0	0
21	Rate Schedule IN5 - Res	idential													
22	Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
23	Finaled Bills		<u>0</u> 3	<u>0</u> 3	<u>0</u> 3	<u>0</u> 3	<u>0</u> 36								
24	Adjusted Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
25	Rate Schedule LG2 - Res	sidential													
26	Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
27	Finaled Bills		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u> 1	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
28	Adjusted Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
29	Rate Schedule LG2 - Co	mmercial													
30	Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
31	Finaled Bills		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>								
32	Adjusted Bills		1	1	1	1	1	1	1	1	1	1	1	1	12

Data: __ Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Workpaper WPM-B.2 Sheet 2 of 6

Line <u>No.</u>	Description (A)	Reference (B)	<u>Jan-17</u> (C)	<u>Feb-17</u> (D)	<u>Mar-17</u> (E)	<u>Apr-17</u> (F)	<u>May-17</u> (G)	<u>Jun-17</u> (H)	<u>Jul-17</u> (I)	<u>Aug-17</u> (J)	<u>Sep-17</u> (K)	Oct-17 (L)	Nov-17 (M)	Dec-17 (N)	<u>Total</u> (O)
1	Rate Schedule LG3 - Res	sidential													
2	Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
3	Finaled Bills		<u>0</u> 1	<u>0</u> 1	<u>0</u> 1	<u>0</u> 1	<u>0</u> 12								
4	Adjusted Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
5	Rate Schedule LG4 - Res	sidential													
6	Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
7	Finaled Bills		<u>0</u>	<u>0</u> 1	<u>0</u> 1	<u>0</u> 1	<u>0</u> 1	<u>0</u>	<u>0</u> 1	<u>0</u> 1	<u>0</u> 1	<u>0</u> 1	<u>0</u>	<u>0</u>	<u>0</u>
8	Adjusted Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
9	Rate Schedule GSO - Co	ommercial													
10	Bills		10,117	10,204	9,951	9,865	9,776	9,693	9,709	9,679	9,669	9,703	9,851	10,019	118,236
11	Industrial Adjustment	(WPM-D)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(12)
12	Finaled Bills		<u>91</u>	<u>68</u>	<u>85</u>	<u>139</u>	<u>107</u>	<u>88</u>	<u>75</u>	<u>92</u>	<u>71</u>	<u>70</u>	<u>65</u>	<u>58</u>	1,009
13	Adjusted Bills		10,207	10,271	10,035	10,003	9,882	9,780	9,783	9,770	9,739	9,772	9,915	10,076	119,233
14	Rate Schedule GSO - Inc	dustrial													
15	Bills		41	41	41	41	41	41	41	41	41	41	41	41	492
16	Industrial Adjustment	(WPM-D)	2	2	2	2	2	2	3	3	3	3	3	3	30
17	Finaled Bills		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u> 44	<u>0</u> 44	<u>1</u> 45	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>2</u> 524
18	Adjusted Bills		43	43	43	43	43	44	44	45	44	44	44	44	524
19	Rate Schedule IS - Indus	strial													
20	Bills		0	0	0	0	0	0	0	0	0	0	0	0	0
21	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Finaled Bills		<u>0</u> 0	<u>0</u> 0	<u>0</u> 0	<u>0</u> 0	<u>0</u> 0								
23	Adjusted Bills		0	0	0	0	0	0	0	0	0	0	0	0	0
24	Rate Schedule IUS - Who	olesale													
25	Bills		2	2	2	2	2	2	2	2	2	2	2	2	24
26	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Finaled Bills		<u>0</u>	<u>0</u> 2	<u>0</u> 2	<u>0</u>	<u>0</u> 2	<u>0</u>	<u>0</u> 2	<u>0</u> 2	<u>0</u>	<u>0</u> 2	<u>0</u>	<u>0</u>	<u>0</u> 24
28	Adjusted Bills		2	2	2	2	2	2	2	2	2	2	2	2	24

Data: __ Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s):

12 Months Forecasted

Workpaper WPM-B.2 Sheet 3 of 6

Line <u>No.</u>	<u>Description</u> (A)	Reference (B)	<u>Jan-17</u> (C)	Feb-17 (D)	<u>Mar-17</u> (E)	<u>Apr-17</u> (F)	<u>May-17</u> (G)	<u>Jun-17</u> (H)	<u>Jul-17</u> (I)	<u>Aug-17</u> (J)	<u>Sep-17</u> (K)	Oct-17 (L)	Nov-17 (M)	Dec-17 (N)	<u>Total</u> (O)
1	Tariff Sales Summary by	Customer Clas	SS												
2	Total Residential Sales														
3	Bills		97,732	97,872	97,800	97,231	96,644	95,858	95,262	95,003	94,942	95,291	96,432	97,362	1,157,429
4	Finaled Bills		1,588	1,632	1,773	2,323	2,426	2,267	2,008	2,645	2,068	1,695	1,590	1,594	23,609
5	Adjusted Bills		99,320	99,504	99,573	99,554	99,070	98,125	97,270	97,648	97,010	96,986	98,022	98,956	1,181,038
6	Total Commercial Sales														
7	Bills		10,121	10,208	9,956	9,870	9,781	9,698	9,713	9,683	9,673	9,707	9,855	10,023	118,288
8	Industrial Adjustment		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(12)
9	Finaled Bills		<u>91</u>	<u>68</u>	<u>85</u>	<u>139</u>	<u>107</u>	<u>88</u>	<u>76</u>	92	<u>71</u>	<u>70</u>	<u>65</u>	<u>58</u>	<u>1,010</u>
10	Adjusted Bills		10,211	10,275	10,040	10,008	9,887	9,785	9,788	9,774	9,743	9,776	9,919	10,080	119,286
11	Total Industrial Sales														
12	Bills		41	41	41	41	41	41	41	41	41	41	41	41	492
13	Industrial Adjustment		2	2	2	2	2	2	3	3	3	3	3	3	30
14	Finaled Bills		<u>0</u>	<u>0</u> 43	<u>0</u> 43	<u>0</u> 43	<u>0</u> 43	<u>1</u>	<u>0</u> 44	<u>1</u> 45	<u>0</u> 44	<u>0</u>	<u>0</u> 44	<u>0</u>	2
15	Adjusted Bills		43	43	43	43	43	44	44	45	44	44	44	44	524
16	Total Wholesale Sales														
17	Bills		2	2	2	2	2	2	2	2	2	2	2	2	24
18	Industrial Adjustment		0	0	0	0	0	0	0	0	0	0	0	0	0
19	Finaled Bills		<u>0</u>	<u>0</u> 2	<u>0</u> 2	<u>0</u> 2	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u> 2	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
20	Adjusted Bills		2	2	2	2	2	2	2	2	2	2	2	2	24
21	Total Tariff Sales														
22	Bills		107,896	108,123	107,799	107,144	106,468	105,599	105,018	104,729	104,658	105,041	106,330	107,428	1,276,233
23	Industrial Adjustment		1	1	1	1	1	1	2	2	2	2	2	2	18
24	Finaled Bills		1,679	1,700	1,858	2,462	2,533	2,356	2,084	2,738	2,139	1,765	1,655	1,652	24,621
25	Adjusted Bills		109,576	109,824	109,658	109,607	109,002	107,956	107,104	107,469	106,799	106,808	107,987	109,082	1,300,872

Data: __ Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Workpaper WPM-B.2 Sheet 4 of 6

Line <u>No.</u>	Description (A)	Reference (B)	<u>Jan-17</u> (C)	<u>Feb-17</u> (D)	<u>Mar-17</u> (E)	<u>Apr-17</u> (F)	<u>May-17</u> (G)	<u>Jun-17</u> (H)	<u>Jul-17</u> (I)	<u>Aug-17</u> (J)	<u>Sep-17</u> (K)	Oct-17 (L)	Nov-17 (M)	<u>Dec-17</u> (N)	<u>Total</u> (O)
1	Rate Schedule GTR - Re	sidential													
2	Bills		23,633	23,667	23,649	23,511	23,370	23,180	23,035	22,973	22,958	23,042	23,318	23,543	279,879
3	Finaled Bills		<u>87</u>	<u>118</u>	137	183	242	206	203	250	221	<u>146</u>	140	<u>134</u>	2,067
4	Adjusted Bills		23,720	23,785	23,786	23,694	23,612	23,386	23,238	23,223	23,179	23,188	23,458	23,677	281,946
5	Rate Schedule GTO - Co	mmercial													
6	Bills		3,823	3,791	4,083	4,063	4,048	4,022	3,959	3,943	3,914	3,887	3,865	3,845	47,243
7	Industrial Adjustment	(WPM-D)	0	0	. 0	0	0	0	0	0	0	0	0	0	0
8	Finaled Bills	,	<u>14</u>	<u>18</u>	<u>10</u>	<u>18</u>	<u>10</u>	<u>20</u>	<u>57</u>	<u>13</u>	<u>10</u>	<u>12</u>	<u>12</u>	<u>8</u>	202
9	Adjusted Bills		3,837	3,809	4,093	4,081	4,058	4,042	4,016	3,956	3,924	3,899	3,877	3,853	47,445
10	Rate Schedule GTO - Inc	dustrial													
11	Bills		13	13	12	12	12	12	12	12	12	12	13	13	148
12	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Finaled Bills		<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u> 12	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>
14	Adjusted Bills		13	13	12	13	12	12	12	12	12	12	13	13	149
15	Rate Schedule DS - Com	mercial													
16	Bills		30	30	30	30	30	30	30	30	30	30	30	30	360
17	Industrial Adjustment	(WPM-D)	2	2	2	2	2	2	3	3	3	3	3	30	57
18	Finaled Bills		<u>9</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u> 34	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>11</u>
19	Adjusted Bills		41	32	32	32	32	32	34	33	33	33	34	60	428
20	Rate Schedule DS - Indu	strial													
21	Bills		39	39	39	39	39	39	39	39	39	39	39	39	468
22	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Finaled Bills		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>								
24	Adjusted Bills		39	39	39	39	39	39	39	39	39	39	39	39	468
25	Rate Schedule GDS - Co	mmercial													
26	Bills		12	12	12	12	12	12	12	12	12	12	12	12	144
27	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Finaled Bills		<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>								
29	Adjusted Bills		12	12	12	12	12	12	12	12	12	12	13	12	145
30	Rate Schedule GDS - Inc	lustrial													
31	Bills		15	15	15	15	15	15	15	15	15	15	15	15	180
32	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Finaled Bills		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>								
34	Adjusted Bills		15	15	15	15	15	15	15	15	15	15	15	15	180

Data: __ Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s):

12 Months Forecasted

Workpaper WPM-B.2 Sheet 5 of 6

Line <u>No.</u>	Description (A)	Reference (B)	<u>Jan-17</u> (C)	<u>Feb-17</u> (D)	<u>Mar-17</u> (E)	<u>Apr-17</u> (F)	<u>May-17</u> (G)	<u>Jun-17</u> (H)	<u>Jul-17</u> (l)	<u>Aug-17</u> (J)	<u>Sep-17</u> (K)	Oct-17 (L)	Nov-17 (M)	Dec-17 (N)	Total (O)
1	Rate Schedule DS3 - Ind	lustrial													
2	Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
3	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Finaled Bills		<u>0</u>	<u>0</u> 3	<u>0</u> 3	<u>0</u>	<u>0</u> 3	<u>0</u>	<u>0</u> 3	<u>0</u> 3	<u>0</u> 3	<u>0</u> 3	<u>0</u>	<u>0</u>	<u>0</u> 36
5	Adjusted Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
6	Rate Schedule FX1 - Cor	mmercial													
7	Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
8	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Finaled Bills		<u>0</u>	<u>0</u> 1	<u>0</u> 1	<u>0</u> 1	<u>0</u> 1	<u>0</u> 12							
10	Adjusted Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
11	Rate Schedule FX2 - Cor	mmercial													
12	Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
13	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Finaled Bills		<u>0</u>	<u>0</u> 1	<u>0</u> 1	<u>0</u>	<u>0</u> 1	<u>0</u> 12							
15	Adjusted Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
16	Rate Schedule FX5 - Ind	ustrial													
17	Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
18	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Finaled Bills		<u>0</u>	<u>0</u> 3	<u>0</u> 3	<u>0</u>	<u>0</u> 3	<u>0</u>	<u>0</u> 3	<u>0</u>	<u>0</u> 3	<u>0</u> 3	<u>0</u>	<u>0</u> 3	<u>0</u> 36
20	Adjusted Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
21	Rate Schedule FX7 - Ind	ustrial													
22	Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
23	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Finaled Bills		<u>0</u>	<u>0</u> 1	<u>0</u> 1	<u>0</u> 1	<u>0</u>	<u>0</u>	<u>0</u> 1	<u>0</u>	<u>0</u> 1	<u>0</u> 1	<u>0</u> 1	<u>0</u>	<u>0</u> 12
25	Adjusted Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
26	Rate Schedule SAS - Co	mmercial													
27	Bills		0	0	0	0	0	0	0	0	0	0	0	0	0
28	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Finaled Bills		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u> 0								
30	Adjusted Bills		0	0	0	0	0	0	0	0	0	0	0	0	0

Columbia Gas of Kentucky, Inc. Number of Bills For the 12 Months Ended December 31, 2017

Data: __ Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Workpaper WPM-B.2 Sheet 6 of 6

Line	Decemention	Reference	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Total
<u>No.</u>	<u>Description</u> (A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
1	Rate Schedule SC3 - Inde	ustrial													
2	Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
3	Industrial Adjustment	(WPM-D)	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Finaled Bills		<u>0</u>	0	0										
5	Adjusted Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
6	Transportation Summary	by Customer	Class												
7	Total Residential Transp	ortation													
8	Bills		23,633	23,667	23,649	23,511	23,370	23,180	23,035	22,973	22,958	23,042	23,318	23,543	279,879
9	Finaled Bills		87	118	137	183	242	206	203	250	221	146	140	134	2,067
10	Adjusted Bills		23,720	23,785	23,786	23,694	23,612	23,386	23,238	23,223	23,179	23,188	23,458	23,677	281,946
11	Total Commercial Trans	portation													
12	Bills		3,867	3,835	4,127	4,107	4,092	4,066	4,003	3,987	3,958	3,931	3,909	3,889	47,771
13	Industrial Adjustment		2	2	2	2	2	2	3	3	3	3	3	30	57
14	Finaled Bills		23	18	10	18	10	20	58	13	10	12	14	8	<u>214</u>
15	Adjusted Bills		3,892	3,855	4,139	4,127	4,104	4,088	4,064	4,003	3,971	3,946	3,926	3,927	48,042
16	Total Industrial Transpor	rtation													
17	Bills		75	75	74	74	74	74	74	74	74	74	75	75	892
18	Industrial Adjustment		0	0	0	0	0	0	0	0	0	0	0	0	0
19	Finaled Bills		<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>							
20	Adjusted Bills		75	75	74	75	74	74	74	74	74	74	75	75	893
21	Total Transportation														
22	Bills		27,575	27,577	27,850	27,692	27,536	27,320	27,112	27,034	26,990	27,047	27,302	27,507	328,542
23	Industrial Adjustment		2	2	2	2	2	2	3	3	3	3	3	30	57
24	Finaled Bills		110	136	147	202	252	226	261	263	231	158	154	142	2,282
25	Adjusted Bills		27,687	27,715	27,999	27,896	27,790	27,548	27,376	27,300	27,224	27,208	27,459	27,679	330,881
26	Total Company Bills														
27	Bills		135,471	135,700	135,649	134,836	134,004	132,919	132,130	131,763	131,648	132,088	133,632	134,935	1,604,775
28	Industrial Adjustment		3	3	3	3	3	3	5	5	5	5	5	32	75
29	Finaled Bills		1,789	1,836	2,005	2,664	2,785	2,582	2,345	3,001	2,370	1,923	1,809	1,794	26,903
30	Adjusted Bills		137,263	137,539	137,657	137,503	136,792	135,504	134,480	134,769	134,023	134,016	135,446	136,761	1,631,753

CKY_R_PHDR_MILLER1_ATT_A_111116.xlsm

KY PSC Case No. 2010 Attachment A to PSC

CKY_R_PHDR_MILLER1_ATT_A_111116.xlsm KY PSC Case No. 2010

Attachment A to PSC

Check - Do Not File		Per	
	Per Above	Rev. Summ.	Diff
Residential Tariff DIS	1,157,429	1,157,429	-
Residential Choice DIS	279,879	279,879	-
C&I Tariff	118,804	118,804	-
C&I Choice	47,391	47,391	-
Transportation	1,272	<u>1,272</u>	
	1,604,775	1,604,775	-

Data: __ Base Period X Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Workpaper WPM-C.2 Sheet 1 of 8

Line <u>No.</u>	Description (A)	Reference (B)	<u>Jan-17</u> (C)	Feb-17 (D)	<u>Mar-17</u> (E)	Apr-17 (F)	May-17 (G)	<u>Jun-17</u> (H)	<u>Jul-17</u> (I)	<u>Aug-17</u> (J)	<u>Sep-17</u> (K)	Oct-17 (L)	Nov-17 (M)	Dec-17 (N)	<u>Total</u> (O)
	• •	()	(-)	. ,	()	. ,	(-)	()	• • • • • • • • • • • • • • • • • • • •	\- /	()	` '	. ,	` ,	(-)
1 2	Rate Schedule GSR - Residential Volumes		1,331,907.1	1,291,151,8	968.403.0	552.553.4	259.776.4	123.911.3	88.930.0	85.940.7	88.922.9	141,784.3	408,542.4	906,257,2	6,248,080.5
3	Industrial Adjustment	(WPM-D)	0.0	0.0	968,403.0	0.0	259,776.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	Adjusted Volumes	(/	1,331,907.1	1,291,151.8	968,403.0	552,553.4	259,776.4	123,911.3	88,930.0	85,940.7	88,922.9	141,784.3	408,542.4	906,257.2	6,248,080.5
5	Rate Schedule G1C - Commercial														
6	Volumes		307.2	374.8	373.1	173.3	68.9	18.0	29.1	16.7	8.8	22.2	83.3	222.4	1,697.8
7	Industrial Adjustment	(WPM-D)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	Adjusted Volumes		307.2	374.8	373.1	173.3	68.9	18.0	29.1	16.7	8.8	22.2	83.3	222.4	1,697.8
9	Rate Schedule G1R - Residential														
10	Volumes		458.3	345.9	279.4	174.8	81.1	33.4	24.1	27.6	28.4	68.0	159.2	338.7	2,018.9
11	Industrial Adjustment	(WPM-D)	<u>0.0</u>	0.0	<u>0.0</u> 279.4	0.0	0.0	0.0	<u>0.0</u> 24.1	<u>0.0</u> 27.6	0.0	0.0	0.0	0.0	0.0
12	Adjusted Volumes		458.3	345.9	279.4	174.8	81.1	33.4	24.1	27.6	28.4	68.0	159.2	338.7	2,018.9
13	Rate Schedule IN3 - Residential														
14	Volumes		247.9	172.9	116.2	84.5	36.3	17.0	11.6	10.8	11.5	34.0	90.2	157.3	990.2
15 16	Industrial Adjustment Adjusted Volumes	(WPM-D)	<u>0.0</u> 247.9	<u>0.0</u> 172.9	<u>0.0</u> 116.2	<u>0.0</u> 84.5	<u>0.0</u> 36.3	<u>0.0</u> 17.0	<u>0.0</u> 11.6	<u>0.0</u> 10.8	<u>0.0</u> 11.5	<u>0.0</u> 34.0	<u>0.0</u> 90.2	<u>0.0</u> 157.3	<u>0.0</u> 990.2
10	Adjusted volumes		247.9	172.9	110.2	04.5	30.3	17.0	11.0	10.0	11.5	34.0	90.2	107.3	990.2
17	Rate Schedule IN4 - Residential														
18	Volumes Industrial Adjustment	(WPM-D)	0.0 <u>0.0</u>	0.0 <u>0.0</u>	0.0 <u>0.0</u>	0.0 <u>0.0</u>	0.0 <u>0.0</u>	0.0 <u>0.0</u>	0.0 <u>0.0</u>	0.0 <u>0.0</u>	0.0 <u>0.0</u>	0.0	0.0 <u>0.0</u>	0.0 <u>0.0</u>	0.0
19 20	Adjusted Volumes	(VVPIVI-D)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 0.0	0.0	0.0	0.0 0.0
	•		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	Rate Schedule IN5 - Residential														
22	Volumes	(MDM D)	84.3	54.6	43.5	25.4	12.3	4.9	2.4	2.9	4.3	14.9	32.1	52.0	333.6
23 24	Industrial Adjustment Adjusted Volumes	(WPM-D)	<u>0.0</u> 84.3	<u>0.0</u> 54.6	<u>0.0</u> 43.5	<u>0.0</u> 25.4	<u>0.0</u> 12.3	<u>0.0</u> 4.9	<u>0.0</u> 2.4	<u>0.0</u> 2.9	<u>0.0</u> 4.3	<u>0.0</u> 14.9	<u>0.0</u> 32.1	<u>0.0</u> 52.0	<u>0.0</u> 333.6
24	Adjusted Volumes		04.3	34.0	40.0	20.4	12.5	4.5	2.4	2.5	4.5	14.5	32.1	32.0	333.0
25	Rate Schedule LG2 - Residential														
26	Volumes		161.1	142.8	70.5	36.6	15.2	2.9	3.2	3.4	3.8	19.0	51.7	95.0	605.2
27	Industrial Adjustment	(WPM-D)	0.0	<u>0.0</u> 142.8	<u>0.0</u> 70.5	<u>0.0</u> 36.6	0.0	<u>0.0</u> 2.9	<u>0.0</u> 3.2	<u>0.0</u> 3.4	<u>0.0</u> 3.8	0.0	0.0	<u>0.0</u> 95.0	0.0
28	Adjusted Volumes		161.1	142.8	70.5	36.6	15.2	2.9	3.2	3.4	3.8	19.0	51.7	95.0	605.2
29	Rate Schedule LG2 - Commercial														
30	Volumes	(MDM D)	191.8	167.7	88.3	54.0	20.2	7.6	7.9	6.8	6.6	14.8	41.5	103.7	710.9
31 32	Industrial Adjustment Adjusted Volumes	(WPM-D)	<u>0.0</u> 191.8	<u>0.0</u> 167.7	<u>0.0</u> 88.3	<u>0.0</u> 54.0	<u>0.0</u> 20.2	<u>0.0</u> 7.6	<u>0.0</u> 7.9	<u>0.0</u> 6.8	0.0 6.6	<u>0.0</u> 14.8	<u>0.0</u> 41.5	0.0 103.7	<u>0.0</u> 710.9
32	Aujusted Volumes		191.0	107.7	00.3	54.0	20.2	0.1	1.9	0.8	0.0	14.0	41.5	103.7	7 10.9

Data: __Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Workpaper WPM-C.2 Sheet 2 of 8

Line <u>No.</u>	<u>Description</u> (A)	Reference (B)	<u>Jan-17</u> (C)	<u>Feb-17</u> (D)	<u>Mar-17</u> (E)	<u>Apr-17</u> (F)	<u>May-17</u> (G)	<u>Jun-17</u> (H)	<u>Jul-17</u> (I)	<u>Aug-17</u> (J)	<u>Sep-17</u> (K)	Oct-17 (L)	Nov-17 (M)	Dec-17 (N)	Total (O)
1	Rate Schedule LG3 - Residential														
2	Volumes														
3	First 2 Mcf		2.0	2.0	2.0	2.0	2.0	2.4	2.0	2.0	2.0	2.0	2.0	2.0	24.4
4	Over 2 Mcf		89.8	<u>71.4</u>	43.4	102.5	<u>65.4</u>	24.1	24.2 26.2	9.8	24.2	<u>73.9</u>	103.5	<u>57.5</u>	689.7
5	Volumes		91.8	73.4	45.4	104.5	67.4	26.5	26.2	11.8	26.2	75.9	105.5	59.5	714.1
6	Rate Schedule LG4 - Residential														
7	Volumes		49.5	58.7	42.0	20.7	11.2	4.0	2.6	2.8	3.0	3.9	18.9	40.3	257.6
8	Industrial Adjustment	(WPM-D)	0.0	0.0	0.0	0.0	0.0	0.0	<u>0.0</u> 2.6	0.0	0.0	0.0	0.0	0.0	0.0
9	Adjusted Volumes		<u>0.0</u> 49.5	<u>0.0</u> 58.7	42.0	<u>0.0</u> 20.7	<u>0.0</u> 11.2	<u>0.0</u> 4.0	2.6	<u>0.0</u> 2.8	<u>0.0</u> 3.0	<u>0.0</u> 3.9	18.9	40.3	<u>0.0</u> 257.6
10	Rate Schedule GSO - Commercial														
11	Volumes														
12	First 50 Mcf		267,724.0	278,801.2	227,946.5	149,431.8	76,855.7	48,785.1	38,320.5	36,243.0	36.349.0	49.912.3	96,938.0	195,958.3	1,503,265.4
13	Next 350 Mcf		283,839.2	279,646.2	182,183.2	107,296.4	47,863.0	28,650.6	16.633.3	15,250.7	14,035.7	24,219.7	64,428.0	177,273.0	1,241,319.0
14	Next 600 Mcf		79,819.5	71,400.1	38,709.6	16,894.1	7,331.2	3,286.7	1,774.7	1,292.0	1,416.5	3,112.1	8,898.8	40,405.4	274,340.7
15	Over 1,000 Mcf		31,980.1	27,309.4	9,608.2	4,479.6	2,530.3	45.9	0.0	0.0	0.0	0.0	1,571.1	11,834.2	89,358.8
			663,362.8	657,156.9	458,447.5	278,101.9	134.580.2	80,768.3	56,728.5	52,785.7	51,801.2	77,244.1	171,835.9	425,470.9	3,108,283.9
16	Industrial Adjustment	(WPM-D)	,	, , , , , , , , , , , , , , , , , , , ,	,			,	,		. ,	,	,		-,,
17	First 50 Mcf	, ,	(50.0)	(50.0)	(50.0)	(50.0)	(50.0)	(50.0)	0.0	0.0	0.0	(50.0)	(50.0)	(50.0)	(450.0)
18	Next 350 Mcf		(350.0)	(350.0)	(350.0)	(350.0)	(50.0)	0.0	0.0	0.0	0.0	(50.0)	(350.0)	(350.0)	(2,200.0)
19	Next 600 Mcf		(600.0)	(600.0)	(600.0)	(400.0)	0.0	0.0	0.0	0.0	0.0	0.0	(400.0)	(600.0)	(3,200.0)
20	Over 1,000 Mcf		(1,622.8)	(1,096.0)	(600.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(900.0)	(4,218.8)
			(2,622.8)	(2,096.0)	(1,600.0)	(800.0)	(100.0)	(50.0)	0.0	0.0	0.0	(100.0)	(800.0)	(1,900.0)	(10,068.8)
21	Adjusted Volumes														
22	First 50 Mcf		267,674.0	278,751.2	227,896.5	149,381.8	76,805.7	48,735.1	38,320.5	36,243.0	36,349.0	49,862.3	96,888.0	195,908.3	1,502,815.4
23	Next 350 Mcf		283,489.2	279,296.2	181,833.2	106,946.4	47,813.0	28,650.6	16,633.3	15,250.7	14,035.7	24,169.7	64,078.0	176,923.0	1,239,119.0
24	Next 600 Mcf		79,219.5	70,800.1	38,109.6	16,494.1	7,331.2	3,286.7	1,774.7	1,292.0	1,416.5	3,112.1	8,498.8	39,805.4	271,140.7
25	Over 1,000 Mcf		30,357.3	26,213.4	9,008.2	4,479.6	2,530.3	<u>45.9</u>	0.0	0.0	0.0	0.0	1,571.1	10,934.2	85,140.0
26	Adjusted Volumes		660,740.0	655,060.9	456,847.5	277,301.9	134,480.2	80,718.3	56,728.5	52,785.7	51,801.2	77,144.1	171,035.9	423,570.9	3,098,215.1

Data: __Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Workpaper WPM-C.2 Sheet 3 of 8

Line															
No.	<u>Description</u>	Reference	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	<u>Jul-17</u>	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Total
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
1	Rate Schedule GSO - Industrial														
2	Volumes														
3	First 50 Mcf		1,558.9	1,551.3	1,600.8	1,363.3	1,020.7	766.7	635.3	732.2	790.1	900.0	1,284.4	1,486.5	13,690.2
4	Next 350 Mcf		6,098.9	4,956.8	5,106.4	5,165.5	3,527.2	3,061.5	3,237.7	3,639.2	3,340.5	3,872.5	4,518.0	4,871.9	51,396.1
5	Next 600 Mcf		3,257.5	3,260.1	3,350.7	3,077.9	3,045.7	2,835.0	3,210.5	3,672.2	3,819.0	4,119.7	3,007.2	2,833.4	39,488.9
6	Over 1,000 Mcf		2,084.9	2,231.7	942.1	393.2	1,406.7	1,336.7	916.4	956.6	1,050.6	2,107.7	2,190.4	1,808.3	17,425.3
			13,000.2	11,999.9	11,000.0	9,999.9	9,000.3	7.999.9	7.999.9	9,000.2	9,000.2	10,999.9	11,000.0	11.000.1	122,000.5
7	Industrial Adjustment	(WPM-D)													
8	First 50 Mcf	,	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	1,800.0
9	Next 350 Mcf		1,050.0	1,050.0	1,050.0	1,050.0	1,050.0	1,050.0	1,050.0	1,050.0	1,050.0	1,050.0	1,050.0	1,050.0	12,600.0
10	Next 600 Mcf		1,800.0	1,800.0	1,700.0	1,600.0	1,600.0	1,550.0	1,550.0	1,550.0	1,550.0	1,650.0	1,700.0	1,800.0	19,850.0
11	Over 1,000 Mcf		17,000.0	17,000.0	17,000.0	17,000.0	17,000.0	17,000.0	17,000.0	17,000.0	17,000.0	17,000.0	17,000.0	17,000.0	204,000.0
			20,000.0	20,000.0	19,900.0	19,800.0	19,800.0	19,750.0	19,750.0	19,750.0	19,750.0	19,850.0	19,900.0	20,000.0	238,250.0
12	Adjusted Volumes														
13	First 50 Mcf		1,708.9	1,701.3	1,750.8	1,513.3	1,170.7	916.7	785.3	882.2	940.1	1,050.0	1,434.4	1,636.5	15,490.2
14	Next 350 Mcf		7,148.9	6,006.8	6,156.4	6,215.5	4,577.2	4,111.5	4,287.7	4,689.2	4,390.5	4,922.5	5,568.0	5,921.9	63,996.1
15	Next 600 Mcf		5,057.5	5,060.1	5,050.7	4,677.9	4,645.7	4,385.0	4,760.5	5,222.2	5,369.0	5,769.7	4,707.2	4,633.4	59,338.9
16	Over 1,000 Mcf		19,084.9	19,231.7	17,942.1	17,393.2	18,406.7	18,336.7	17,916.4	17,956.6	18,050.6	19,107.7	19,190.4	18,808.3	221,425.3
17	Adjusted Volumes		33,000.2	31,999.9	30,900.0	29,799.9	28,800.3	27,749.9	27,749.9	28,750.2	28,750.2	30,849.9	30,900.0	31,000.1	360,250.5
18	Rate Schedule IS - Industrial														
19	Volumes														
20	First 30,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	Next 70.000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	Over 100,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	Volumes		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	Rate Schedule IUS - Wholesale														
25	Volumes		3.136.7	2,307.2	1.098.6	641.7	362.9	221.4	245.0	196.3	196.6	705.2	1.014.3	1.194.8	11,320.7
26	Industrial Adjustment	(WPM-D)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	Adjusted Volumes	(W D)	3,136.7	2,307.2	1,098.6	641.7	362.9	221.4	245.0	196.3	196.6	705.2	1,014.3	1,194.8	11,320.7

Data: __ Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Workpaper WPM-C.2 Sheet 4 of 8

Line <u>No.</u>	Description	Reference	<u>Jan-17</u>	Feb-17	Mar-17	Apr-17	May-17	Jun-17	<u>Jul-17</u>	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Total
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
1	Tariff Sales Summary by Customer	Class													
	Tariff Sales Summary by Customer	CidSS													
	Total Residential Sales														
3	Volumes		1,333,000.0	1,292,000.1	969,000.0 <u>0.0</u>	552,999.9	259,999.9 <u>0.0</u>	124,000.0	89,000.1	86,000.0	89,000.1 <u>0.0</u>	142,000.0 0.0	409,000.0	907,000.0 <u>0.0</u>	6,253,000.1
5	Industrial Adjustment Adjusted Volumes		0.0 1,333,000.0	0.0 1,292,000.1	969,000.0	<u>0.0</u> 552,999.9	259,999.9	<u>0.0</u> 124,000.0	<u>0.0</u> 89,000.1	0.0 86,000.0	89,000.1	142,000.0	0.0 409,000.0	907,000.0	0.0 6,253,000.1
	•		,,	, . ,	,	,,,,,,,		,	,			,	,	,,,,,,	.,,
6	Total Commercial Sales		000 004 0	057.000.4	450,000,0	070 000 0	404.000.0	00.700.0	50 705 5	50,000,0	54.040.0	77.004.4	474 000 7	405 707 0	0.440.000.0
8	Volumes Industrial Adjustment		663,861.8 (2,622.8)	657,699.4 (2,096.0)	458,908.9 (1,600.0)	278,329.2 (800.0)	134,669.3 (100.0)	80,793.9 (50.0)	56,765.5 0.0	52,809.2 0.0	51,816.6 0.0	77,281.1 (100.0)	171,960.7 (800.0)	425,797.0 (1,900.0)	3,110,692.6 (10,068.8)
9	Adjusted Volumes		661,239.0	655,603.4	457,308.9	277,529.2	134,569.3	80,743.9	56,765.5	52,809.2	51,816.6	77,181.1	171,160.7	423,897.0	3,100,623.8
	,		,	,	101,000	,	,	,-	,	0_,000	- 1,- 1-1-	,	,	,,	2,122,02010
	Total Industrial Sales														
11	Volumes		13,000.2 20,000.0	11,999.9 20,000.0	11,000.0 19,900.0	9,999.9 19,800.0	9,000.3 19,800.0	7,999.9 19,750.0	7,999.9 19,750.0	9,000.2 19,750.0	9,000.2 19,750.0	10,999.9 19,850.0	11,000.0 19,900.0	11,000.1 20,000.0	122,000.5 238,250.0
12 13	Industrial Adjustment Adjusted Volumes		33,000.2	31,999.9	30,900.0	29,799.9	28,800.3	27,749.9	27,749.9	28,750.2	28,750.2	30,849.9	30,900.0	31,000.1	360,250.5
	,		,	,	,							,-	,	- 1,	,
14	Total Wholesale Sales														
15	Volumes		3,136.7	2,307.2	1,098.6	641.7	362.9	221.4	245.0	196.3	196.6	705.2	1,014.3	1,194.8	11,320.7
16 17	Industrial Adjustment Adjusted Volumes		<u>0.0</u> 3,136.7	<u>0.0</u> 2,307.2	<u>0.0</u> 1,098.6	<u>0.0</u> 641.7	<u>0.0</u> 362.9	<u>0.0</u> 221.4	<u>0.0</u> 245.0	<u>0.0</u> 196.3	<u>0.0</u> 196.6	<u>0.0</u> 705.2	<u>0.0</u> 1,014.3	<u>0.0</u> 1,194.8	0.0 11,320.7
17	Adjusted Volumes		3,130.7	2,307.2	1,096.6	041.7	302.9	221.4	245.0	190.5	190.0	705.2	1,014.3	1,194.0	11,320.7
18	Total Tariff Sales														
19	Volumes		2,012,998.7	1,964,006.6	1,440,007.5	841,970.7	404,032.4	213,015.2	154,010.5	148,005.7	150,013.5	230,986.2	592,975.0	1,344,991.9	9,497,013.9
20 21	Industrial Adjustment Adjusted Volumes		<u>17,377.2</u> 2.030.375.9	<u>17,904.0</u> 1,981,910.6	18,300.0 1,458,307.5	19,000.0 860,970.7	19,700.0 423,732.4	<u>19,700.0</u> 232,715.2	19,750.0 173,760.5	<u>19,750.0</u> 167,755.7	19,750.0 169,763.5	19,750.0 250,736.2	19,100.0 612,075.0	18,100.0 1,363,091.9	228,181.2 9,725,195.1
	Adjusted Volumes		2,000,570.9	1,901,910.0	1,430,307.3	800,970.7	423,732.4	232,713.2	173,700.3	107,733.7	109,703.3	250,750.2	012,073.0	1,303,091.9	3,723,193.1
22	Rate Schedule GTR - Residential														
23	Volumes		364,000.0	353,000.0	265,000.0	151,000.0	71,000.0	34,000.0	24,000.0	23,000.0	25,000.0	39,000.0	111,000.0	247,000.0	1,707,000.0
24	Industrial Adjustment	(WPM-D)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	Adjusted Volumes		364,000.0	353,000.0	265,000.0	151,000.0	71,000.0	34,000.0	24,000.0	23,000.0	25,000.0	39,000.0	111,000.0	247,000.0	1,707,000.0
26	Rate Schedule GTO - Commercial														
27	Volumes														
28	First 50 Mcf		115,248.5	116,322.6	106,138.4	75,878.9	48,386.9	34,090.9	31,140.7	30,451.2	32,109.0	40,148.2	62,458.3	94,003.8	786,377.4
29	Next 350 Mcf		147,158.6	143,758.3	103,281.1	63,376.9	39,602.3	30,878.4	27,567.7	26,232.9	28,470.1	38,563.3	57,697.6	100,340.5	806,927.7
30	Next 600 Mcf		37,085.0	34,041.2	18,666.5	11,741.5	6,797.7	6,188.9	5,312.4	5,525.8	6,310.6	8,979.6	14,083.0	24,521.2	179,253.4
31	Over 1,000 Mcf		22,508.7	17,880.3	7,915.1	4,006.6	2,211.7	<u>2,841.9</u>	1,978.2	<u>1,791.2</u>	<u>2,108.3</u>	3,303.5	5,755.8	15,131.0	87,432.3
32	Industrial Adjustment	(WPM-D)	322,000.8	312,002.4	236,001.1	155,003.9	96,998.6	74,000.1	65,999.0	64,001.1	68,998.0	90,994.6	139,994.7	233,996.5	1,859,990.8
33	First 50 Mcf	(VVFIVI-D)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	Next 350 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	Next 600 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	Over 1,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	Adjusted Volumes														
38	First 50 Mcf		115,248.5	116,322.6	106,138.4	75,878.9	48,386.9	34,090.9	31,140.7	30,451.2	32,109.0	40,148.2	62,458.3	94,003.8	786,377.4
39	Next 350 Mcf		147,158.6	143,758.3	103,281.1	63,376.9	39,602.3	30,878.4	27,567.7	26,232.9	28,470.1	38,563.3	57,697.6	100,340.5	806,927.7
40	Next 600 Mcf		37,085.0	34,041.2	18,666.5	11,741.5	6,797.7	6,188.9	5,312.4	5,525.8	6,310.6	8,979.6	14,083.0	24,521.2	179,253.4
41	Over 1,000 Mcf		22,508.7	17,880.3	7,915.1	4,006.6	2,211.7	2,841.9	1,978.2	<u>1,791.2</u>	2,108.3	3,303.5	5,755.8	15,131.0	87,432.3
42	Adjusted Volumes		322,000.8	312,002.4	236,001.1	155,003.9	96,998.6	74,000.1	65,999.0	64,001.1	68,998.0	90,994.6	139,994.7	233,996.5	1,859,990.8

Data: __ Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Workpaper WPM-C.2 Sheet 5 of 8

Line															
No.	Description	Reference	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	<u>Total</u>
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)
1	Rate Schedule GTO - Industrial														
2	Volumes														
3	First 50 Mcf		472.7	517.8	508.5	429.7	346.2	313.1	310.6	295.6	279.2	420.4	426.1	467.9	4,787.8
4	Next 350 Mcf		2,210.2	2,239.1	2,090.2	1,600.8	1,646.5	1,359.8	1,359.2	1,380.5	1,335.8	1,812.9	2,003.7	2,070.3	21,109.0
5	Next 600 Mcf		2,400.0	2,344.7	2,065.1	1,901.5	1,446.5	1,488.2	1,395.6	1,201.0	1,365.8	1,413.9	1,953.8	1,933.6	20,909.7
6	Over 1,000 Mcf		917.2	898.3	1,336.1	2,067.9	2,560.8	2,839.0	2,934.5	3,122.9	3,019.2	2,352.9	1,616.4	1,528.2	25,193.4
			6,000.1	5,999.9	5,999.9	5,999.9	6,000.0	6,000.1	5,999.9	6,000.0	6,000.0	6,000.1	6,000.0	6,000.0	71,999.9
7	Industrial Adjustment	(WPM-D)													
8	First 50 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	Next 350 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	Next 600 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Over 1,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	Adjusted Volumes														
13	First 50 Mcf		472.7	517.8	508.5	429.7	346.2	313.1	310.6	295.6	279.2	420.4	426.1	467.9	4,787.8
14	Next 350 Mcf		2,210.2	2,239.1	2.090.2	1.600.8	1.646.5	1.359.8	1.359.2	1,380.5	1,335.8	1,812.9	2,003.7	2,070.3	21,109.0
15	Next 600 Mcf		2,400.0	2,344.7	2,065.1	1,901.5	1,446.5	1,488.2	1,395.6	1,201.0	1,365.8	1,413.9	1,953.8	1,933.6	20,909.7
16	Over 1,000 Mcf		917.2	898.3	1,336.1	2,067.9	2,560.8	2,839.0	2,934.5	3,122.9	3,019.2	2,352.9	1,616.4	1,528.2	25,193.4
17	Adjusted Volumes		6,000.1	5,999.9	5,999.9	5,999.9	6,000.0	6,000.1	5,999.9	6,000.0	6,000.0	6,000.1	6,000.0	6,000.0	71,999.9
	•														
18	Rate Schedule DS - Commercial														
19	Volumes														
20	First 30,000 Mcf		188,859.0	169,110.1	147,265.6	103,565.2	83,423.1	69,626.2	68,394.7	69,858.1	76,451.3	101,603.3	139,898.5	162,514.9	1,380,570.0
21	Next 70,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	Over 100,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			188,859.0	169,110.1	147,265.6	103,565.2	83,423.1	69,626.2	68,394.7	69,858.1	76,451.3	101,603.3	139,898.5	162,514.9	1,380,570.0
23	Industrial Adjustment	(WPM-D)													
24	First 30,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	Next 70,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	Over 100,000 Mcf		0.0	<u>0.0</u>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	Adjusted Volumes														
28	First 30,000 Mcf		188,859.0	169,110.1	147,265.6	103,565.2	83,423.1	69,626.2	68,394.7	69,858.1	76,451.3	101,603.3	139,898.5	162,514.9	1,380,570.0
29	Next 70,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
30	Over 100,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	Adjusted Volumes		188,859.0	169,110.1	147,265.6	103,565.2	83,423.1	69,626.2	68,394.7	69,858.1	76,451.3	101,603.3	139,898.5	162,514.9	1,380,570.0
32	Rate Schedule DS - Industrial														
32	Volumes														
34	First 30,000 Mcf		372,633.5	346,268.5	319,008.7	299,709.6	285,128.8	278,134.1	252,645.5	277,869.2	290,511.7	319,636.4	337,494.0	344,941.4	3,723,981.4
35	Next 70,000 Mcf		157,996.0	151,150.0	145,282.0	110,734.0	93,864.0	71,370.0	52,470.0	74,304.0	81,150.0	118,558.0	143,008.0	147,898.0	1,347,784.0
36	Over 100,000 Mcf		154,280.0	115,160.0	71,150.0	27,140.0	93,864.0 <u>0.0</u>	0.0	0.0	0.0	0.0	26,162.0	80,930.0	90,710.0	565,532.0
30	Over 100,000 Mci		684,909.5	612,578.5	535,440.7	437,583.6	378,992.8	349,504.1	305,115.5	352,173.2	371,661.7	464,356.4	561,432.0	583,549.4	5,637,297.4
37	Industrial Adjustment	(WPM-D)	004,303.3	012,370.3	333,440.7	437,303.0	370,332.0	343,304.1	303,113.3	332,173.2	37 1,001.7	404,330.4	301,432.0	303,343.4	3,037,237.4
38	First 30.000 Mcf	(VVFIVI-D)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(120,000.0)
39	Next 70,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	Over 100,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	3751 100,000 IVIGI		(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(120,000.0)
41	Adjusted Volumes		(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(10,000.0)	(120,000.0)
42	First 30,000 Mcf		362,633.5	336,268.5	309,008.7	289,709.6	275,128.8	268,134.1	242,645.5	267,869.2	280,511.7	309,636.4	327,494.0	334,941.4	3,603,981.4
42 43	Next 70,000 Mcf		362,633.5 157,996.0	336,268.5 151,150.0	145,282.0	110,734.0	93,864.0	71,370.0	52,470.0	74,304.0	280,511.7 81,150.0	118,558.0	143,008.0	147,898.0	1,347,784.0
43	Over 100,000 Mcf				71,150.0	27,140.0						26,162.0		90,710.0	
44			154,280.0 674,909.5	115,160.0 602,578.5	525,440.7	427,583.6	0.0 368,992.8	0.0 339,504.1	0.0	0.0 342,173.2	0.0	454,356.4	80,930.0 551,432.0	573,549.4	565,532.0 5,517,297.4
45	Adjusted Volumes		074,909.5	002,578.5	020,440.7	421,003.6	300,992.8	339,504.1	295,115.5	342,173.2	361,661.7	404,300.4	001,432.0	3/3,349.4	5,517,297.4

Data: __ Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Workpaper WPM-C.2 Sheet 6 of 8

Line															
No.	Description (A)	Reference (B)	<u>Jan-17</u> (C)	Feb-17 (D)	<u>Mar-17</u> (E)	<u>Apr-17</u> (F)	May-17 (G)	<u>Jun-17</u> (H)	<u>Jul-17</u> (l)	<u>Aug-17</u> (J)	Sep-17 (K)	Oct-17 (L)	Nov-17 (M)	Dec-17 (N)	Total (O)
		(5)	(0)	(5)	(=)	(,)	(0)	(1.)	(1)	(0)	(14)	(=)	(111)	(14)	(0)
1 2	Rate Schedule GDS - Commercial Volumes														
3	First 50 Mcf		600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	550.0	600.0	7,150.0
4	Next 350 Mcf		4,200.0	4,200.0	4,200.0	4,182.5	4,127.0	4,044.2	3,998.9	3,891.4	4,069.2	4,045.0	3,850.0	4,200.0	49,008.2
5	Next 600 Mcf		7.070.0	6.882.7	6.964.3	6.167.1	6.270.1	4,699.5	5,144.3	4.257.5	4.801.3	6.031.9	6,494.6	6,960.4	71.743.7
6	Over 1,000 Mcf		13,932.9	13,803.3	10,302.3	5,333.3	4,075.8	1,525.9	2,402.3	1,889.0	1,772.2	3,743.8	7,560.9	9,386.9	75,728.6
			25,802.9	25,486.0	22,066.6	16,282.9	15,072.9	10,869.6	12,145.5	10,637.9	11,242.7	14,420.7	18,455.5	21,147.3	203,630.5
7	Industrial Adjustment	(WPM-D)	-,	-,	,		-,-	.,	,		,	, ,		,	,
8	First 50 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	Next 350 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	Next 600 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Over 1,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	Adjusted Volumes		200.0	200.0	000.0	000.0	200.0	000.0	200.0	200.0	200.0	000.0	550.0	200.0	7.450.0
13	First 50 Mcf		600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	550.0	600.0	7,150.0
14	Next 350 Mcf		4,200.0 7,070.0	4,200.0 6,882.7	4,200.0	4,182.5	4,127.0 6,270.1	4,044.2	3,998.9	3,891.4 4,257.5	4,069.2	4,045.0	3,850.0	4,200.0	49,008.2
15 16	Next 600 Mcf Over 1,000 Mcf		13,932.9	13,803.3	6,964.3 10,302.3	6,167.1 5,333.3	4,075.8	4,699.5 1,525.9	5,144.3 2,402.3	1,889.0	4,801.3 1,772.2	6,031.9 3,743.8	6,494.6	6,960.4 9,386.9	71,743.7 75,728.6
17			25,802.9	25,486.0			4,075.8 15,072.9	10,869.6	2,402.3 12,145.5	10,637.9	11,242.7	3,743.8 14,420.7	7,560.9 18,455.5	21,147.3	203,630.5
17	Adjusted Volumes		25,802.9	25,466.0	22,066.6	16,282.9	15,072.9	10,669.6	12,145.5	10,037.9	11,242.7	14,420.7	10,400.0	21,147.3	203,630.5
18	Rate Schedule GDS - Industrial														
19	Volumes														
20	First 50 Mcf		609.9	622.4	750.0	735.6	694.2	473.6	460.0	510.6	530.3	604.5	606.1	666.9	7,264.1
21	Next 350 Mcf		3,896.3	3,965.4	4,483.7	4,484.4	3,857.7	2,799.5	2,736.4	3,003.2	2,907.0	3,132.7	3,912.5	4,183.5	43,362.3
22 23	Next 600 Mcf		5,621.7	5,802.3	6,622.1	5,166.4	4,115.7	2,754.1	2,958.6	3,457.3	3,411.2	3,405.2	4,279.4	5,280.7	52,874.7
23	Over 1,000 Mcf		7,716.4	6,439.2	7,195.5	3,680.8	4,450.7	2,848.5	1,893.4	2,095.7	2,937.8	2,954.3	3,905.0	4,849.5	50,966.8
24	In directal Adirector and	(WPM-D)	17,844.3	16,829.3	19,051.3	14,067.2	13,118.3	8,875.7	8,048.4	9,066.8	9,786.3	10,096.7	12,703.0	14,980.6	154,467.9
24 25	Industrial Adjustment First 50 Mcf	(VVPIVI-D)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	Next 350 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	Next 600 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	Over 1,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	Adjusted Volumes														
30	First 50 Mcf		609.9	622.4	750.0	735.6	694.2	473.6	460.0	510.6	530.3	604.5	606.1	666.9	7,264.1
31	Next 350 Mcf		3,896.3	3,965.4	4,483.7	4,484.4	3,857.7	2,799.5	2,736.4	3,003.2	2,907.0	3,132.7	3,912.5	4,183.5	43,362.3
32	Next 600 Mcf		5,621.7	5,802.3	6,622.1	5,166.4	4,115.7	2,754.1	2,958.6	3,457.3	3,411.2	3,405.2	4,279.4	5,280.7	52,874.7
33	Over 1,000 Mcf		<u>7,716.4</u>	6,439.2	7,195.5	3,680.8	4,450.7	2,848.5	1,893.4	2,095.7	2,937.8	2,954.3	3,905.0	4,849.5	50,966.8
34	Adjusted Volumes		17,844.3	16,829.3	19,051.3	14,067.2	13,118.3	8,875.7	8,048.4	9,066.8	9,786.3	10,096.7	12,703.0	14,980.6	154,467.9
35	Rate Schedule DS3 - Industrial														
36	Volumes		58,289.0	56,724.0	56,724.0	57,213.0	57,995.0	58,484.0	55,942.0	54,866.0	55,746.0	58,093.0	57,604.0	53,301.0	680,981.0
37	Industrial Adjustment	(WPM-D)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	Adjusted Volumes	,	58,289.0	56,724.0	56,724.0	57,213.0	57,995.0	58,484.0	55,942.0	54,866.0	55,746.0	58,093.0	57,604.0	53,301.0	680,981.0
39	Rate Schedule FX1 - Commercial														
40	Volumes		74,328.0	58,680.0	70,416.0	34,230.0	29,340.0	29,340.0	29,340.0	29,340.0	34,230.0	39,120.0	49,878.0	63,570.0	541,812.0
41	Industrial Adjustment	(WPM-D)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	Adjusted Volumes	(5)	74,328.0	58,680.0	70,416.0	34,230.0	29,340.0	29,340.0	29,340.0	29,340.0	34,230.0	39,120.0	49,878.0	63,570.0	541,812.0
_			,	,	.,	- ,	-,		.,		. ,	,	-,	,	

Data: __Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Workpaper WPM-C.2 Sheet 7 of 8

Line <u>No.</u>	Description (A)	Reference (B)	<u>Jan-17</u> (C)	<u>Feb-17</u> (D)	<u>Mar-17</u> (E)	<u>Apr-17</u> (F)	May-17 (G)	<u>Jun-17</u> (H)	<u>Jul-17</u> (l)	<u>Aug-17</u> (J)	<u>Sep-17</u> (K)	Oct-17 (L)	Nov-17 (M)	Dec-17 (N)	Total (O)
1	Rate Schedule FX2 - Commercial														
2	Volumes		44,010.0	56,724.0	33,252.0	47,922.0	37,164.0	37,164.0	39,120.0	37,164.0	41,076.0	50,856.0	54,768.0	54,768.0	533,988.0
3 4	Industrial Adjustment Adjusted Volumes	(WPM-D)	44,010.0	56,724.0	33,252.0	47,922.0	37,164.0	37,164.0	39,120.0	37,164.0	41,076.0	0.0 50,856.0	54,768.0	0.0 54,768.0	0.0 533,988.0
5	Rate Schedule FX5 - Industrial														
6	Volumes		411,738.0	369,684.0	397,068.0	381,420.0	392,178.0	381,420.0	392,178.0	392,178.0	381,420.0	397,068.0	391,200.0	401,958.0	4,689,510.0
7 8	Industrial Adjustment Adjusted Volumes	(WPM-D)	<u>0.0</u> 411,738.0	0.0 369,684.0	0.0 397,068.0	0.0 381,420.0	<u>0.0</u> 392,178.0	<u>0.0</u> 381,420.0	0.0 392,178.0	0.0 392,178.0	0.0 381,420.0	0.0 397,068.0	0.0 391,200.0	0.0 401,958.0	0.0 4,689,510.0
9	Rate Schedule FX7 - Industrial														
10	Volumes		05.000.0	05.000.0	05.000.0	05.000.0	05.000.0	05.000.0	05.000.0	05.000.0	05.000.0	05 000 0	05.000.0	05.000.0	000 000 0
11 12	First 25,000 Mcf Over 25,000 Mcf		25,000.0 19,077.0	25,000.0 1,389.0	25,000.0 5,000.0	25,000.0 5,000.0	25,000.0 5,000.0	25,000.0 5,000.0	25,000.0 5,000.0	25,000.0 5,000.0	25,000.0 20,000.0	25,000.0 20,000.0	25,000.0 14,555.0	25,000.0 14,979.0	300,000.0 120,000.0
12	Over 25,000 IVICI		44,077.0	26,389.0	30,000.0	30,000.0	30,000.0	30,000.0	30,000.0	30,000.0	45,000.0	45,000.0	39,555.0	39,979.0	420,000.0
13	Industrial Adjustment	(WPM-D)	.,,		,	,	,	,	,	,	10,00010	,	,	,	,
14	First 25,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	Over 25,000 Mcf		0.0 0.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 0.0
16	Adjusted Volumes														
17 18	First 25,000 Mcf Over 25,000 Mcf		25,000.0 19,077.0	25,000.0	25,000.0 5,000.0	25,000.0	25,000.0 5,000.0	25,000.0 5,000.0	25,000.0 5,000.0	25,000.0	25,000.0 20,000.0	25,000.0 20,000.0	25,000.0 14,555.0	25,000.0 14,979.0	300,000.0 120.000.0
19	Adjusted Volumes		44,077.0	1,389.0 26,389.0	30,000.0	<u>5,000.0</u> 30,000.0	30,000.0	30,000.0	30,000.0	<u>5,000.0</u> 30,000.0	45,000.0	45,000.0	39,555.0	39,979.0	420,000.0
20	Rate Schedule SAS - Commercial														
21 22	Volumes		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	First 30,000 Mcf Next 70,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0 0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0	0.0	0.0 0.0
24	Over 100,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	Industrial Adjustment	(WPM-D)													
26	First 30,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 28	Next 70,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Over 100,000 Mcf		0.0 0.0	<u>0.0</u> 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0	0.0 0.0	0.0 0.0	0.0	0.0 0.0	<u>0.0</u> 0.0
29 30	Adjusted Volumes First 30,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	Next 70.000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	Over 100,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	Adjusted Volumes		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	Rate Schedule SC3 - Industrial														
35 36	Volumes First 150,000 Mcf		150.000.0	150,000.0	150,000.0	150,000.0	150,000.0	150,000.0	150,000.0	150,000.0	150,000.0	150,000.0	150,000.0	150,000.0	1,800,000.0
37	Over 150,000 Mcf		245,112.0	233,376.0	233,376.0	233,376.0	233,376.0	233,376.0	233,376.0	233,376.0	233,376.0	233,376.0	233,376.0	245,112.0	2,823,984.0
			395,112.0	383,376.0	383,376.0	383,376.0	383,376.0	383,376.0	383,376.0	383,376.0	383,376.0	383,376.0	383,376.0	395,112.0	4,623,984.0
38	Industrial Adjustment	(WPM-D)													
39	First 150,000 Mcf		0.0	0.0	(10,000.0)	(10,000.0)	(20,000.0)	(20,000.0)	(20,000.0)	(20,000.0)	(20,000.0)	(20,000.0)	(10,000.0)	0.0	(150,000.0)
40	Over 150,000 Mcf		(230,112.0) (230,112.0)	(228,376.0) (228,376.0)	(233,376.0) (243,376.0)	(245,376.0) (255,376.0)	(252,376.0) (272,376.0)	(261,376.0) (281,376.0)	(261,376.0) (281,376.0)	(261,376.0) (281,376.0)	(243,376.0) (263,376.0)	(218,376.0) (238,376.0)	(223,376.0) (233,376.0)	(235,112.0) (235,112.0)	(2,893,984.0) (3,043,984.0)
41 42	Adjusted Volumes First 150,000 Mcf		150,000.0	150,000.0	140.000.0	140,000.0	130,000.0	130,000.0	130,000.0	130,000.0	130,000.0	130.000.0	140,000.0	150,000.0	1,650,000.0
42	Over 150,000 Mcf		15,000.0	5,000.0	0.0	(12,000.0)	(19,000.0)	(28,000.0)	(28,000.0)	(28,000.0)	(10,000.0)	15,000.0	10,000.0	10,000.0	(70,000.0)
44	Adjusted Volumes		165,000.0	155,000.0	140,000.0	128,000.0	111,000.0	102,000.0	102,000.0	102,000.0	120,000.0	145,000.0	150,000.0	160,000.0	1,580,000.0
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Data: __Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Workpaper WPM-C.2 Sheet 8 of 8

Line															
No.	Description (A)	Reference (B)	<u>Jan-17</u> (C)	Feb-17 (D)	<u>Mar-17</u> (E)	<u>Apr-17</u> (F)	<u>May-17</u> (G)	<u>Jun-17</u> (H)	<u>Jul-17</u> (l)	<u>Aug-17</u> (J)	<u>Sep-17</u> (K)	Oct-17 (L)	Nov-17 (M)	<u>Dec-17</u> (N)	<u>Total</u> (O)
-	Transportation Common by Contam	Class													
'	Transportation Summary by Custom	er Class													
	Total Residential Transportation														
3	Volumes		364,000.0	353,000.0	265,000.0	151,000.0	71,000.0	34,000.0	24,000.0	23,000.0	25,000.0	39,000.0	111,000.0	247,000.0	1,707,000.0
4	Industrial Adjustment		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Adjusted Volumes		364,000.0	353,000.0	265,000.0	151,000.0	71,000.0	34,000.0	24,000.0	23,000.0	25,000.0	39,000.0	111,000.0	247,000.0	1,707,000.0
6	Total Commercial Transportation														
7	Volumes		655,000.7	622,002.5	509,001.3	357,004.0	261,998.6	220,999.9	214,999.2	211,001.1	231,998.0	296,994.6	402,994.7	535,996.7	4,519,991.3
8	Industrial Adjustment		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	Adjusted Volumes		655,000.7	622,002.5	509,001.3	357,004.0	261,998.6	220,999.9	214,999.2	211,001.1	231,998.0	296,994.6	402,994.7	535,996.7	4,519,991.3
10	Total Industrial Transportation														
11	Volumes		1,617,969.9	1,471,580.7	1,427,659.9	1,309,659.7	1,261,660.1	1,217,659.9	1,180,659.8	1,227,660.0	1,252,990.0	1,363,990.2	1,451,870.0	1,494,880.0	16,278,240.2
12	Industrial Adjustment		(240,112.0)	(238,376.0)	(253,376.0)	(265,376.0)	(282,376.0)	(291,376.0)	(291,376.0)	(291,376.0)	(273,376.0)	(248,376.0)	(243,376.0)	(245,112.0)	(3,163,984.0
13	Adjusted Volumes		1,377,857.9	1,233,204.7	1,174,283.9	1,044,283.7	979,284.1	926,283.9	889,283.8	936,284.0	979,614.0	1,115,614.2	1,208,494.0	1,249,768.0	13,114,256.2
14	Total Transportation														
15	Volumes		2,636,970.6	2,446,583.2	2,201,661.2	1,817,663.7	1,594,658.7	1,472,659.8	1,419,659.0	1,461,661.1	1,509,988.0	1,699,984.8	1,965,864.7	2,277,876.7	22,505,231.5
16	Industrial Adjustment		(240,112.0)	(238,376.0)	(253,376.0)	(265,376.0)	(282,376.0)	(291,376.0)	(291,376.0)	(291,376.0)	(273,376.0)	(248, 376.0)	(243,376.0)	(245,112.0)	(3,163,984.0
17	Adjusted Volumes		2,396,858.6	2,208,207.2	1,948,285.2	1,552,287.7	1,312,282.7	1,181,283.8	1,128,283.0	1,170,285.1	1,236,612.0	1,451,608.8	1,722,488.7	2,032,764.7	19,341,247.5
18	Total Company Throughput														-
19	Volumes		4,649,969.3	4,410,589.8	3,641,668.7	2,659,634.4	1,998,691.1	1,685,675.0	1,573,669.5	1,609,666.8	1,660,001.5	1,930,971.0	2,558,839.7	3,622,868.6	32,002,245.4
20	Industrial Adjustment		(222,734.8)	(220,472.0)	(235,076.0)	(246,376.0)	(262,676.0)	(271,676.0)	(271,626.0)	(271,626.0)	(253,626.0)	(228,626.0)	(224,276.0)	(227,012.0)	(2,935,802.8
21	Adjusted Volumes		4.427.234.5	4.190.117.8	3.406.592.7	2.413.258.4	1.736.015.1	1.413.999.0	1.302.043.5	1.338.040.8	1.406.375.5	1.702.345.0	2.334.563.7	3.395.856.6	29.066.442.6

Check - Do Not File			
	Per Above	Per Rev. Summ.	Diff
Residential Tariff DIS	6,253,000.10	6,253,000.1	-
Residential Choice DIS	1,707,000.0	1,707,000.0	-
C&I Tariff	#REF!	3,244,013.8	#REF!
C&I Choice	1,931,990.70	1,931,990.7	-
Transportation	18,866,240.80	18,856,999.8	9,241.00
	#REF!	31,993,004.4	#REF!

Columbia Gas of Kentucky, Inc. Adjustment to Test Year Bills and Mcf For the 12 Months Ended December 31, 2017

Data: ___ Base Period_X_Forecasted Period
Type of Filing: X Original _ Update _ Revised
Work Paper Reference No(s):
12 Months Forecasted

Line No.	Description (A)	Reference (B)	Jan-17 (C)	Feb-17 (D)	Mar-17 (E)	<u>Apr-17</u> (F)	May-17 (G)	<u>Jun-17</u> (H)	<u>Jul-17</u> (l)	Aug-17 (J)	Sep-17 (K)	Oct-17 (L)	Nov-17 (M)	Dec-17 (N)	Total (O)
1	Large Com/Ind Customers														
2 3 4 5 6 7 8	Rate Schedule GSO - Commercial Rate Schedule GSO - Industrial Rate Schedule GDS - Commercial Rate Schedule GDS - Industrial Rate Schedule GDS - Industrial Rate Schedule SAS - Commercial Adjusted Bills		(1) 2 0 0 0 0 0	(1) 2 0 0 0 0 0	(1) 2 0 0 0 0 0	(1) 2 0 0 0 0 0	(1) 2 0 0 0 0 0 0	(1) 2 0 0 0 0 0 0	(1) 3 0 0 0 0 0	(1) 3 0 0 0 0 0 2	(1) 3 0 0 0 0 0 2	(1) 3 0 0 0 0 0	(1) 3 0 0 0 0 0	(1) 3 0 0 0 0 0 2	(12) 30 0 0 0 0 0
9	Total Adjusted Bills		1	1	1	1	1	1	2	2	2	2	2	2	18
10	Large Com/Ind Volumes														
11 12 13 14 15 16	Rate Schedule GSO - Commercial First 50 Mcf Next 350 Mcf Next 600 Mcf Over 1,000 Mcf Adjusted Volumes		(50.0) (350.0) (600.0) (1,622.8) (2,622.8)	(50.0) (350.0) (600.0) (1,096.0) (2,096.0)	(50.0) (350.0) (600.0) (600.0) (1,600.0)	(50.0) (350.0) (400.0) 0.0 (800.0)	(50.0) (50.0) 0.0 <u>0.0</u> (100.0)	(50.0) 0.0 0.0 <u>0.0</u> (50.0)	0.0 0.0 0.0 <u>0.0</u> 0.0	0.0 0.0 0.0 <u>0.0</u> 0.0	0.0 0.0 0.0 <u>0.0</u> 0.0	(50.0) (50.0) 0.0 <u>0.0</u> (100.0)	(50.0) (350.0) (400.0) <u>0.0</u> (800.0)	(50.0) (350.0) (600.0) (900.0) (1,900.0)	(450.0) (2,200.0) (3,200.0) (4,218.8) (10,068.8)
17 18 19 20 21 22	Rate Schedule GSO - Industrial First 50 Mcf Next 350 Mcf Next 600 Mcf Over 1,000 Mcf Adjusted Volumes		150.0 1,050.0 1,800.0 17,000.0 20,000.0	150.0 1,050.0 1,800.0 17,000.0 20,000.0	150.0 1,050.0 1,700.0 <u>17,000.0</u> 19,900.0	150.0 1,050.0 1,600.0 17,000.0 19,800.0	150.0 1,050.0 1,600.0 <u>17,000.0</u> 19,800.0	150.0 1,050.0 1,550.0 17,000.0 19,750.0	150.0 1,050.0 1,550.0 17,000.0 19,750.0	150.0 1,050.0 1,550.0 <u>17,000.0</u> 19,750.0	150.0 1,050.0 1,550.0 17,000.0 19,750.0	150.0 1,050.0 1,650.0 <u>17,000.0</u> 19,850.0	150.0 1,050.0 1,700.0 <u>17,000.0</u> 19,900.0	150.0 1,050.0 1,800.0 17,000.0 20,000.0	1,800.0 12,600.0 19,850.0 204,000.0 238,250.0
23 24 25 26 27 28	Rate Schedule GDS - Commercial First 50 Mcf Next 350 Mcf Next 600 Mcf Over 1,000 Mcf Adjusted Volumes		0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 <u>0.0</u> 0.0	0.0 0.0 0.0 <u>0.0</u> 0.0	0.0 0.0 0.0 <u>0.0</u> 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 <u>0.0</u> 0.0	0.0 0.0 0.0 <u>0.0</u> 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 <u>0.0</u> 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
29 30 31 32 33 34	Rate Schedule GDS - Industrial First 50 Mcf Next 350 Mcf Next 600 Mcf Over 1,000 Mcf Adjusted Volumes		0.0 0.0 0.0 <u>0.0</u> 0.0	0.0 0.0 0.0 <u>0.0</u> 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 <u>0.0</u> 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 <u>0.0</u> 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 <u>0.0</u> 0.0
35 36 37 38 39	Rate Schedule DS - Industrial First 30,000 Mcf Next 70,000 Mcf Over 100,000 Mcf Adjusted Volumes		(10,000.0) 0.0 <u>0.0</u> (10,000.0)	(10,000.0) 0.0 <u>0.0</u> (10,000.0)	(10,000.0) 0.0 0.0 (10,000.0)	(10,000.0) 0.0 0.0 (10,000.0)	(10,000.0) 0.0 0.0 (10,000.0)	(10,000.0) 0.0 0.0 (10,000.0)	(10,000.0) 0.0 <u>0.0</u> (10,000.0)	(10,000.0) 0.0 0.0 (10,000.0)	(10,000.0) 0.0 0.0 (10,000.0)	(10,000.0) 0.0 0.0 (10,000.0)	(10,000.0) 0.0 0.0 (10,000.0)	(10,000.0) 0.0 <u>0.0</u> (10,000.0)	(120,000.0) 0.0 0.0 (120,000.0)
40 41 42 43	Rate Schedule SC3 - Industrial Next 150,000 Mcf Over 150,000 Mcf Adjusted Volumes		0.0 (230,112.0) (230,112.0)	0.0 (228,376.0) (228,376.0)	(10,000.0) (233,376.0) (243,376.0)	(10,000.0) (245,376.0) (255,376.0)	(20,000.0) (252,376.0) (272,376.0)	(20,000.0) (261,376.0) (281,376.0)	(20,000.0) (<u>261,376.0)</u> (281,376.0)	(20,000.0) (261,376.0) (281,376.0)	(20,000.0) (243,376.0) (263,376.0)	(20,000.0) (218,376.0) (238,376.0)	(10,000.0) (223,376.0) (233,376.0)	0.0 (<u>235,112.0)</u> (235,112.0)	(150,000.0) (2,893,984.0) (3,043,984.0)
44	Total Adjusted Volumes		(222,734.8)	(220,472.0)	(235,076.0)	(246,376.0)	(262,676.0)	(271,676.0)	(271,626.0)	(271,626.0)	(253,626.0)	(228,626.0)	(224,276.0)	(227,012.0)	(2,935,802.8)

Columbia Gas of Kentucky, Inc. Adjustment to Bills and Mcf Generated By Industrial Customers For the 12 Months Ended December 31, 2017

Line		Rate	Mo Service Began/	Incremental												Workp	aper WPM-D.2 Sheet 2 of 2
No.	Acct No.		Terminated		Jan-17 (Mcf)	Feb-17 (Mcf)	Mar-17 (Mcf)	Apr-17 (Mcf)	May-17 (Mcf)	Jun-17 (Mcf)	Jul-17 (Mcf)	Aug-17 (Mcf)	Sep-17 (Mcf)	Oct-17 (Mcf)	Nov-17 (Mcf)	Dec-17 (Mcf)	Total (Mcf)
1	Customers who have	e been added l	between Jan	uary 1, 2017	and Decemb	er 31, 2017											
2	19773521-001 Test Year Volumes	GSO-ind	01/17		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 5 6 7	Additional Volumes (P Additional Volumes (N Additional Volumes (N Additional Volumes (O	Next 350 Mcf) Next 600 Mcf)		12	50.0 350.0 600.0 14,000.0	50.0 350.0 600.0 14,000.0	50.0 350.0 600.0 14,000.0	50.0 350.0 600.0 14,000.0	50.0 350.0 600.0 14,000.0	50.0 350.0 600.0 14,000.0	50.0 350.0 600.0 14,000.0	50.0 350.0 600.0 14,000.0	50.0 350.0 600.0 14,000.0	50.0 350.0 600.0 14,000.0	50.0 350.0 600.0 14,000.0	50.0 350.0 600.0 14,000.0	600.0 4,200.0 7,200.0 168,000.0
8 9	New Customer Test Year Volumes	GSO-ind	01/17		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 11 12 13	Additional Volumes (N	Next 350 Mcf) Next 600 Mcf)			50.0 350.0 600.0 0.0	50.0 350.0 600.0 0.0	50.0 350.0 500.0 0.0	50.0 350.0 400.0 0.0	50.0 350.0 400.0 0.0	50.0 350.0 350.0 0.0	50.0 350.0 350.0 0.0	50.0 350.0 350.0 0.0	50.0 350.0 350.0 0.0	50.0 350.0 450.0 0.0	50.0 350.0 500.0 0.0	50.0 350.0 600.0 0.0	600.0 4,200.0 5,450.0 0.0
	New Customer Test Year Volumes	GSO-ind	01/17		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16 17 18 19	Additional Volumes (N Additional Volumes (N	Next 350 Mcf) Next 600 Mcf)		12	50.0 350.0 600.0 3,000.0	50.0 350.0 600.0 3,000.0	50.0 350.0 600.0 3,000.0	50.0 350.0 600.0 3,000.0	50.0 350.0 600.0 3,000.0	50.0 350.0 600.0 3,000.0	50.0 350.0 600.0 3,000.0	50.0 350.0 600.0 3,000.0	50.0 350.0 600.0 3,000.0	50.0 350.0 600.0 3,000.0	50.0 350.0 600.0 3,000.0	50.0 350.0 600.0 3,000.0	600.0 4,200.0 7,200.0 36,000.0
14	Customers who have	e become inac	tive between	January 1,	2017 and and	December 31,	<u>2017</u>										
15 16	14401089-002 Test Year Volumes	GSO-Com	10/15		2,622.8	2,096.0	1,600.0	800.0	100.0	50.0	0.0	0.0	0.0	100.0	800.0	1,900.0	10,068.8
17 18 19 20	Additional Volumes (N Additional Volumes (N	Next 350 Mcf) Next 600 Mcf)		(12)	(50.0) (350.0) (600.0) (1,622.8)	(50.0) (350.0) (600.0) (1,096.0)	(50.0) (350.0) (600.0) (600.0)	(50.0) (350.0) (400.0) 0.0	(50.0) (50.0) 0.0 0.0	(50.0) 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	(50.0) (50.0) 0.0 0.0	(50.0) (350.0) (400.0) 0.0	(50.0) (350.0) (600.0) (900.0)	(450.0) (2,200.0) (3,200.0) (4,218.8)
21	Customers who have	e significant u	sage change	between Ja	nuary 1, 2017	and December	31, 2017										
	13228118-002 Test Year Volumes	SC3-Ind			395,112.0	383,376.0	383,376.0	383,376.0	383,376.0	383,376.0	383,376.0	383,376.0	383,376.0	383,376.0	383,376.0	395,112.0	4,623,984.0
	First 150,000 Mcf Over 150,000 Mcf				0.0 (230,112.0)	0.0 (228,376.0)	(10,000.0) (233,376.0)	(10,000.0) (245,376.0)	(20,000.0) (252,376.0)	(20,000.0) (261,376.0)	(20,000.0) (261,376.0)	(20,000.0) (261,376.0)	(20,000.0) (243,376.0)	(20,000.0) (218,376.0)	(10,000.0) (223,376.0)	0.0 (235,112.0)	
	14064515-001 Test Year Volumes	DS-Ind			70,000.0	70,000.0	65,000.0	60,000.0	55,000.0	55,000.0	55,000.0	56,000.0	59,000.0	65,000.0	65,000.0	70,000.0	745,000.0
	First 30,000 Mcf Next 70,000 Mcf Over 30,000 Mcf				(10,000.0) 0.0 0.0	(10,000.0) 0.0 0.0	(10,000.0) 0.0 0.0	(10,000.0) 0.0 0.0	(10,000.0) 0.0 0.0	(10,000.0) 0.0 0.0	(10,000.0) 0.0 0.0	(10,000.0) 0.0 0.0	(10,000.0) 0.0 0.0	(10,000.0) 0.0 0.0	(10,000.0) 0.0 0.0	(10,000.0) 0.0 0.0	(120,000.0) 0.0 0.0

Columbia Gas of Kentucky, Inc. Case No. 2016-00162 Revenues At Present and Proposed Rates For the 12 Months Ended December 31, 2017 (Gas Service)

Data: __ Base Period <u>X</u>Forecasted Period Type of Filing: <u>X</u> Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M Page 2 of 3 Witness: M. J. Bell

Current Annualized

Line		<u>Jan-17</u>	<u>Feb-17</u>	<u>Mar-17</u>	<u>Apr-17</u>	<u>May-17</u>	<u>Jun-17</u>	<u>Jul-17</u>	<u>Aug-17</u>	<u>Sep-17</u>	Oct-17	<u>Nov-17</u>	<u>Dec-17</u>	<u>Total</u>
1	Revenue by Customer Class													
2	Residential Sales	\$ 7,846,191 \$	7,663,360	\$ 6,195,224	\$ 4,301,603			\$ 2,149,642		\$ 2,144,969				\$ 49,633,580
3	Commercial Sales	3,217,803	3,205,818	2,387,481	1,633,593		791,305	690,861	673,450	668,133	777,295	1,180,863	2,239,232	\$ 18,489,335
4	Industrial Sales	129,150	125,133	121,089	116,753		108,141	108,140	112,165	112,114	120,238	120,707	121,305	\$ 1,407,299
5	Public Utilities	10,644	8,122	<u>4,448</u>	3,059		<u>1,781</u>	1,853	<u>1,705</u>	<u>1,706</u>	3,252	4,191	4,740	47,711
6	Total Sales	11,203,787	11,002,432	8,708,241	6,055,008	4,097,953	3,225,474	2,950,497	2,930,151	2,926,922	3,286,160	4,924,378	8,266,923	\$ 69,577,926
7	Transportation	2,813,485	2,706,953	2,332,773	1,823,978	1,475,908	1,303,401	1,246,255	1,254,807	1,290,762	1,429,498	1,768,571	2,528,311	21,974,702
8	Other Revenue	136,000	152,000	156,000	178,000	80,000	61,000	51,000	48,000	53,000	<u>54,000</u>	69,000	<u>162,000</u>	1,200,000
9	Total Operating Revenues	14,153,272	13,861,385	11,197,014	8,056,986	5,653,862	4,589,875	4,247,752	4,232,958	4,270,683	4,769,659	6,761,949	10,957,234	92,752,628
10		4,483,478	4,376,758	3,220,650	1,901,251	935,708	513,952	383,735	370,504	374,902	553,542	1,351,384	3,010,085	21,475,950
11	Total Revenue (Excluding Gas Cost)	\$ 9,669,794 \$	9,484,627	\$ 7,976,364	\$ 6,155,735	5 \$ 4,718,153	\$ 4,075,923	\$ 3,864,017	\$ 3,862,454	\$ 3,895,781	\$ 4,216,116	\$ 5,410,565	\$ 7,947,149	\$ 71,276,678
12	Mcf by Customer Class													
13	Residential Sales	1,333,000	1,292,000	969,000	553,000	260,000	124,000	89,000	86,000	89,000	142,000	409,000	907,000	6,253,000
14	Commercial Sales	661,239	655,603	457,309	277,529	134,569	80,744	56,766	52,809	51,817	77,181	171,161	423,897	3,100,624
15	Industrial Sales	33,000	32,000	30,900	29,800	28,800	27,750	27,750	28,750	28,750	30,850	30,900	31,000	360,251
16	Public Utilities	3,137	2,307	<u>1,099</u>	642	<u>363</u>	<u>221</u>	245	<u>196</u>	<u>197</u>	<u>705</u>	<u>1,014</u>	<u>1,195</u>	11,321
17	Total Sales	2,030,376	1,981,911	1,458,308	860,971	423,732	232,715	173,761	167,756	169,764	250,736	612,075	1,363,092	9,725,195
18	Transportation	2,396,859	2,208,207	1,948,285	1,552,288	1,312,283	1,181,284	1,128,283	1,170,285	1,236,612	1,451,609	1,722,489	2,032,765	19,341,248
19	Total Volumes	4,427,235	4,190,118	3,406,593	2,413,258	1,736,015	1,413,999	1,302,044	1,338,041	1,406,376	1,702,345	2,334,564	3,395,857	29,066,443

Columbia Gas of Kentucky, Inc. Case No. 2016-00162 Revenues At Present and Proposed Rates For the 12 Months Ended December 31, 2017 (Gas Service)

Proposed Annualized

Data: __ Base Period _X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Line

No.

Schedule M Page 3 of 3 Witness: M. J. Bell

<u>Total</u>

<u>Jul-17</u> <u>Jan-17</u> Feb-17 Mar-17 May-17 <u>Jun-17</u> Aug-17 Sep-17 Oct-17 Nov-17 Dec-17 Description Apr-17 1 Revenue by Customer Class 9,264,126 \$ 7,364,680 \$ 4,915,467 \$ 3,183,162 \$ 2,367,188 \$ 2,146,913 \$ 2,135,636 \$ 2,142,556 \$ 2,453,620 \$ 4,041,981 \$ 6,988,839 \$ 56,505,808 2 Residential Sales \$ 9,501,640 \$ 2,518,172 \$ 20,504,179 3,649,346 2,692,276 1,817,549 1,109,287 840,209 723,542 703,418 697,548 824,257 1,292,186 3 Commercial Sales 3,636,388

0	Commercial Cales	0,010,010	0,000,000	2,002,21	.,,	.,,				/	107.005	107.070	100 000	4 007 004
4	Industrial Sales	147,631	142,998	138,403	133,417	128,288	123,399	123,398	128,024	127,973	137,285	137,876	138,602	, , , , , ,
5	Public Utilities	11,795	8,976	4,869	3,316	2,368	<u>1,887</u>	<u>1,967</u>	<u>1,802</u>	<u>1,803</u>	<u>3,532</u>	4,582	<u>5,195</u>	52,092
6	Total Sales	13,310,413	13,052,489	10,200,227	6,869,749	4,423,106	3,332,682	2,995,821	2,968,880	2,969,880	3,418,693	5,476,625	9,650,809	78,669,373
-														
7	Transportation	3,605,279	3,467,515	2,923,750	2,195,131	1,695,359	1,449,465	1,371,323	1,380,843	1,425,742	1,608,374	2,088,414	3,107,478	26,318,673
,	Other Revenue	141,811	157,811	161,811	183,811	85,811	66,811	56,811	53,811	58,811	59,811	74,811	167,811	1,269,732
0	Other Revenue	141,011	137,011	101,011	100,011	00,011	00,011	00,011	55,511	00,011	00,011	,		.,,
	T-tal Operating Bouseause	47 OE7 E00	16,677,815	13,285,788	9,248,691	6,204,276	4,848,959	4,423,955	4,403,534	4,454,433	5,086,879	7,639,849	12,926,098	106,257,779
9	3	17,057,502							370,504	374,902	553,542	1,351,384	3,010,085	21,475,950
10	Gas Cost Revenue	4,483,478	4,376,758	3,220,650	1,901,251	935,708	513,952	383,735	370,504	374,902	553,542	1,331,364	3,010,003	21,475,950
										A 4 070 F04	¢ 4.500.000	¢ 0.000.405	¢ 0040044 (84,781,828
11	Total Revenue (Excluding Gas Cost)	\$ 12,574,025 \$	12,301,057	\$ 10,065,138	\$ 7,347,440	\$ 5,268,568	\$ 4,335,006	\$ 4,040,220	\$ 4,033,030	\$ 4,079,531	\$ 4,533,336	\$ 6,288,465	\$ 9,916,014	04,701,020
12	Mcf by Customer Class													
	•													
13	Residential Sales	1,333,000	1,292,000	969,000	553,000	260,000	124,000	89,000	86,000	89,000	142,000	409,000	907,000	6,253,000
14		661,239	655,603	457,309	277,529	134,569	80,744	56,766	52,809	51,817	77,181	171,161	423,897	3,100,624
15		33,000	32,000	30,900	29,800	28,800	27,750	27,750	28,750	28,750	30,850	30,900	31,000	360,251
		3,137		1,099	642	363	<u>221</u>	245	196	197	<u>705</u>	1,014	1,195	11,321
16			2,307											9,725,195
17	Total Sales	2,030,376	1,981,911	1,458,308	860,971	423,732	232,715	173,761	167,756	169,764	250,736	612,075	1,363,092	9,723,193
													00 705	40.044.040
18	Transportation	2,396,859	2,208,207	1,948,285	1,552,288	1,312,283	1,181,284	1,128,283	1,170,285	1,236,612	1,451,609	1,722,489	2,032,765	19,341,248
19	Total Volumes	4,427,235	4,190,118	3,406,593	2,413,258	1,736,015	1,413,999	1,302,044	1,338,041	1,406,376	1,702,345	2,334,564	3,395,857	29,066,443

CKY_R_PHDR_MILLER1_ATT_A_111116.xlsm KY PSC Case No. 2016-0016 Anachment A to PSC 3-3(b)

\$ 70,076,678

\$ 71,276,678 with LCR A 56,507,540 without LCF

\$ 14,769,138

884,000 in FP 2+10

CKY_R_PHDR_MILLER1_ATT_A_111116.xlsm KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

Columbia Gas of Kentucky, Inc. Case No. 2016-00162 Revenues At Present and Proposed Rates For the 12 Months Ended December 31, 2017 (Gas Service)

Data: __ Base Period _X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M 2.1 Page 1 of 1 Witness: M. J. Bell

12 Months Fored	easted							Witnes	s: M. J. Bell
				Revenue At	D-2.4		Revenue At		% Of
Line	Rate	Customer		Present	Ratemaking	Revenue	Proposed	Revenue	Revenue
<u>No.</u>	Classification	Bills	<u>Volumes</u>	Rates	<u>Adjustment</u>	Adjusted	Rates	Change	Change
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H=G-F)	(I=H/D)
				(\$)	(\$)	(\$)	(\$)	(\$)	(%)
1 Sales Serv	<u>ice</u>								
2 General Se	rvice - Residential	1,180,666	6,248,080.5	\$49,618,662	\$62,481	\$49,681,142	\$56,490,889	\$6,809,747	13.72
3 LG&E Com	mercial	41	1,697.8	9,744	0	\$9,744	9,744	\$0	0.00
4 LG&E Resid	dential	192	2,018.9	13,752	0	\$13,752	13,752	\$0	0.00
5 Inland Gas	General Service - Residential	108	990.2	396	0	\$396	396	\$0	0.00
6 Inland Gas	General Service - Residential	0	-	0	0	\$0	0	\$0	0.00
7 Inland Gas	General Service - Residential	36	333.6	200	0	\$200	200	\$0	0.00
8 LG&E Resid	dential	12	605.2	212	0	\$212	212	\$0	0.00
9 LG&E Com		12	710.9	249	0	\$249	249	\$0	0.00
10 LG&E Resid	dential	12	714.1	256	0	\$256	256	\$0	0.00
11 LG&E Resid	dential	12	257.6	103	0	\$103	103	\$0	0.00
	rvice - Commercial	119,233	3,098,215.1	18,479,342	\$30,982	\$18,510,324	20,494,186	\$1,983,861	10.74
	rvice - Industrial	524	360,250.5	1,407,299	\$3,603	\$1,410,902	1,607,294	\$196,393	13.96
	Service - Industrial	0	-	0	\$0	\$0	0	\$0.00	0.00
	Itility Service - Wholesale	24	11,320.7	47,711	\$113	\$47,824	52,092	\$4,267.80	8.95
16 Transporta	ation Service								
17 GTS Choice	e - Residential	281,946	1,707,000.0	9,029,105	0	\$9,029,105	10,940,326	\$1,911,220	21.17
18 GTS Choice		47,445	1,859,990.8	5,787,037	0	\$5,787,037	6,974,542	1,187,505	20.52
19 GTS Choice		149	71,999.9	127,654	0	\$127,654	168,417	40,763	31.93
	ry Service - Commercial	428	1,380,570.0	1,398,811	0	\$1,398,811	1,731,654	332,843	23.79
	ry Service - Industrial	468	5,517,297.4	3,222,464	0	\$3,222,464	3,911,536	689,072	21.38
	fathered Delivery Service - Commercial	145	203,630.5	351,127	0	\$351,127	456,701	105,574	30.07
	fathered Delivery Service - Industrial	180	154,467.9	276,061	0	\$276,061	353,056	76,995	27.89
	ine Service - Industrial	36	680,981.0	67,641	0	\$67,641	67,641	0	0.00
25 GTS Flex R	tate - Commercial	12	541,812.0	224,062	0	\$224,062	224,062	0	0.00
	tate - Commercial	12	533,988.0	221,011	0	\$221,011	221,011	0	0.00
27 GTS Flex R		36	4,689,510.0	411,572	0	\$411,572	411,572	0	0.00
28 GTS Flex R		12	420,000.0	192,155	0	\$192,155	192,155	0	0.00
	al Agency Service	0	0.0	0	Ö	\$0	0	0	0.00
	al Rate - Industrial	<u>12</u>	1,580,000.0	666,000	<u>0</u>	666,000	666,000	<u>0</u>	0.00
31 Total Sales	and Transportation	1,631,753	29,066,442.6	\$91,552,628	\$97,179	\$91,649,807	\$104,988,047	\$13,338,240	14.57
32 Other Gas	Department Revenue								
33 Acct. 487 F	orfeited Discounts			\$476,000	\$0	\$476,000	545,732	\$69,732	14.65
34 Acct. 488 N	fiscellaneous Service Revenue			137,000	0	\$137,000	137,000	0	0.00
35 Acct. 493 R	lent From Gas Property			72,000	0	\$72,000	72,000	0	0.00
36 Acct. 495 N	Ion-Traditional Sales			0	0	\$0	0	0	0.00
37 Acct. 495 C	Other Gas Revenues - Other			515,000	<u>0</u>	515,000	515,000	<u>0</u>	0.00
38 Total Other	Gas Departnemt Revenue			\$1,200,000	\$0	\$1,200,000	\$1,269,732	\$69,732	5.81
39 Total Gross	Revenue			\$92,752,628	\$97,179	\$92,849,807	\$106,257,779	\$13,407,972	14.46

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 1 of 21 Witness: M. J. Bell

12 101	Olitilis i O	ecasieu					Current	Annualized							vviu	iess. W. J. Deli	
Line <u>No.</u>	FERC Acct (A)	Class/ <u>Description</u> (B)	Current Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (l)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	<u>Total</u> (P)	
1		Operating Revenue															
2		Sales of Gas															
3	480	Residential Sales Revenue		\$7,846,191	\$7,663,360	\$6,195,224	\$4,301,603	\$2,959,875	\$2,324,247	\$2,149,642	\$2,142,831	\$2,144,969	\$2,385,375	\$3,618,616	\$5,901,645	\$49,633,580	\$49,633,580
4	481.1	Commercial Sales Revenue		3,217,803	3,205,818	2,387,481	1,633,593	1,023,502	791,305	690,861	673,450	668,133	777,295	1,180,863	2,239,232	18,489,335	\$18,489,335
5	481.2	Industrial Sales Revenue		129,150	125,133	121,089	116,753	112,365	108,141	108,140	112,165	112,114	120,238	120,707	121,305	1,407,299	\$1,407,299
8	483	Public Utilities		10,644	8,122	4,448	3,059	2,211	1,781	1,853	1,705	1,706	3,252	4,191	4,740	47,711	\$95,422.24
6		Total Sales of Gas		\$11,203,787	\$11,002,432	\$8,708,241	\$6,055,008	\$4,097,953	\$3,225,474	\$2,950,497	\$2,930,151	\$2,926,922	\$3,286,160	\$4,924,378	\$8,266,923	\$69,577,926	
7		Other Operating Revenue															
9	489	Transportation Revenue - Residential		\$1,272,310	\$1,247,887	\$1,043,190	\$776,342	\$588,767	\$498,639	\$472,721	\$470,126	\$473,989	\$506,718	\$679,056	\$999,361	\$9,029,105	\$9,029,105
10	489	Transportation Revenue - Commercia	l	1,045,545	1,002,644	859,208	661,629	526,760	464,147	452,815	442,331	458,402	523,836	653,430	891,301	7,982,049	\$7,982,049
11	489	Transportation Revenue - Industrial		495,629	456,422	430,375	386,007	360,382	340,615	320,719	342,351	358,371	398,944	436,085	637,649	4,963,548	\$4,963,548
12	487	Forfeited Discounts		56,000	79,000	78,000	74,000	40,000	25,000	20,000	19,000	22,000	11,000	18,000	34,000	476,000	
13	488	Miscellaneous Service Revenue		8,000	9,000	11,000	13,000	10,000	11,000	9,000	8,000	9,000	19,000	20,000	10,000	137,000	
14	493	Rent from Gas Property		6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	72,000	
15	495	Non-Traditional Sales		0	0	0	0	0	0	0	0	0	0	0	0	0	
16	495	Other Gas Revenues - Other		66,000	58,000	61,000	85,000	24,000	19,000	16,000	<u>15,000</u>	16,000	18,000	25,000	112,000	515,000	
17		Total Other Operating Revenue		\$2,949,485	\$2,858,953	\$2,488,773	\$2,001,978	\$1,555,908	\$1,364,401	\$1,297,255	\$1,302,807	\$1,343,762	\$1,483,498	\$1,837,571	\$2,690,311	\$23,174,702	
18		Total Operating Revenue		\$14,153,272	\$13,861,385	\$11,197,014	\$8,056,986	\$5,653,862	\$4,589,875	\$4,247,752	\$4,232,958	\$4,270,683	\$4,769,659	\$6,761,949	\$10,957,234	\$92,752,628	

Data: __Base Period _X_ Forecasted Period Type of Filing: X_Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 2 of 21 Witness: M. J. Bell

Current Annualized

Line Rate	Class/	Current	I 47	F-1- 47	M 47	A 47	M 47	h 47	Lul 47	A 47	0 47	0-147	Nov. 47	D 47	Tatal
No. Code (A)	Description (B)	Rates (C)	<u>Jan-17</u> (D)	Feb-17 (E)	<u>Mar-17</u> (F)	Apr-17 (G)	May-17 (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	Aug-17 (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (O)	Total (P)
1	Sales Service	(-)	, ,	.,	,,	(-,	()	V	(-)	.,	* * * * * * * * * * * * * * * * * * * *	()	()	(-,	()
2 GSR	General Service - Residential														
3	Bills		99,289	99.473	99.542	99.522	99.040	98.094	97.239	97.617	96.979	96,955	97.991	98.925	1.180.666
4	Volumes [1]		1,331,907.1	1,291,151,8	968.403.0	552.553.4	259,776,4	123,911.3	88.930.0	85,940,7	88.922.9	141,784.3	408,542,4	906.257.2	6.248.080.5
5	Revenue Less Gas Cost		\$4,900,971	\$4,808,810	\$4,054,074	\$3,079,671	\$2,385,252	\$2,050,044	\$1,952,768	\$1,952,548	\$1,948,087	\$2,071,474	\$2,714,887	\$3,897,441	\$35,816,027
6	Gas Cost		\$2,942,316	\$2,852,283	\$2,139,299	\$1,220,646	\$573,872	\$273,732	\$196,455	\$189,852	\$196,440	\$313,216	\$902,511	\$2,002,013	\$13,802,635
7	Total Revenue [2]		\$7,843,287	\$7,661,094	\$6,193,373	\$4,300,316	\$2,959,124	\$2,323,776	\$2,149,224	\$2,142,399	\$2,144,527	\$2,384,690	\$3,617,398	\$5,899,454	\$49,618,662
8 G1C	LG&E Commercial														
9	Bills		3	3	4	4	4	4	4	3	3	3	3	3	41
10	Volumes [1]		307.2	374.8	373.1	173.3	68.9	18.0	29.1	16.7	8.8	22.2	83.3	222.4	1.697.8
11	Revenue Less Gas Cost		\$833	\$979	\$1,032	\$601	\$376	\$266	\$290	\$207	\$190	\$219	\$350	\$650	\$5,994
12	Gas Cost		\$679	\$828	\$824	\$383	\$152	\$40	\$64	\$37	\$19	\$49	\$184	\$491	\$3,751
13	Total Revenue [2]		\$1,512	\$1,807	\$1,856	\$984	\$528	\$306	\$355	\$244	\$209	\$268	\$534	\$1,142	\$9,744
14 G1R	LG&E Residential														
15	Bills		16	16	16	16	16	16	16	16	16	16	16	16	192
16	Volumes [1]		458.3	345.9	279.4	174.8	81.1	33.4	24.1	27.6	28.4	68.0	159.2	338.7	2,018.9
17	Revenue Less Gas Cost		\$1,633	\$1,300	\$1,103	\$794	\$516	\$375	\$348	\$358	\$360	\$478	\$748	\$1,279	\$9,292
18	Gas Cost		\$1,012	\$764	\$617	\$386	\$179	\$74	\$53	\$61	\$63	\$150	\$352	\$748	\$4,460
19	Total Revenue [2]		\$2,645	\$2,064	\$1,721	\$1,180	\$696	\$449	\$401	\$419	\$423	\$628	\$1,099	\$2,027	\$13,752
20 IN3	Inland Gas General Service - Residential														
20 1113	Bills		9	9	9	10	8	9	9	9	9	9	9	9	108
22	Volumes [1]		247.9	172.9	116.2	84.5	36.3	17.0	11.6	10.8	11.5	34.0	90.2	157.3	990.2
23	Revenue Less Gas Cost		\$99	\$69	\$46	\$34	\$15	\$7	\$5	\$4	\$5	\$14	\$36	\$63	\$396
24	Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	Total Revenue [2]		\$99	\$69	\$46	\$34	\$15	\$7	\$5	\$4	\$5	\$14	\$36	\$63	\$396
			, , ,												
26 IN4	Inland Gas General Service - Residential														
27	Bills		0	0	0	0	0	0	0	0	0	0	0	0	0
28	Volumes [1]		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	Revenue Less Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30	Gas Cost Total Revenue [2]		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
- 31	Total Revenue [2]		Φ0	\$0	\$0	Φ0	Φυ	Φ0	\$0	Φ0	Φ0	Φ0	\$0	\$0	\$0
32 IN5	Inland Gas General Service - Residential														
33	Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
34	Volumes [1]		84.3	54.6	43.5	25.4	12.3	4.9	2.4	2.9	4.3	14.9	32.1	52.0	333.6
35	Revenue Less Gas Cost		\$51	\$33	\$26	\$15	\$7	\$3	\$1	\$2	\$3	\$9	\$19	\$31	\$200
36	Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
37	Total Revenue [2]		\$51	\$33	\$26	\$15	\$7	\$3	\$1	\$2	\$3	\$9	\$19	\$31	\$200

^[1] Reflects Normalized Volumes.[2] See Schedule M-2.2 Pages 8 through 21 for detail.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 3 of 21 Witness: M. J. Bell

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No. Code (A) Description (B) Rates (C) Jan-17 (D) Feb-17 (E) Mar-17 (F) Apr-17 (G) May-17 (H) Jun-17 (J) Jul-17 (Aug-17 (Sep-17 Oct-17 (M)) Oct-17 (M) 1 Sales Service	Nov-17 Dec-17 (N) (O)	Total (P)
	(N) (O)	(P)
1 <u>Sales Service</u>		
2 LG2 LG&E Residential		
3 Bills 1 1 1 1 1 1 1 1 1 1 1	1 1	12
4 Volumes [1] 161.1 142.8 70.5 36.6 15.2 2.9 3.2 3.4 3.8 19.0	51.7 95.0	605.2
5 Revenue Less Gas Cost \$56 \$50 \$25 \$13 \$5 \$1 \$1 \$1 \$1 \$7	\$18 \$33	\$212
6 Gas Cost \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0	\$0
7 Total Revenue [2] \$56 \$50 \$25 \$13 \$5 \$1 \$1 \$1 \$1 \$7	\$18 \$33	\$212
8 LG2 LG&E Commercial		
9 Bills 1 1 1 1 1 1 1 1 1 1 1	1 1	12
10 Volumes [1] 191.8 167.7 88.3 54.0 20.2 7.6 7.9 6.8 6.6 14.8	41.5 103.7	710.9
11 Revenue Less Gas Cost \$67 \$59 \$31 \$19 \$7 \$3 \$3 \$2 \$2 \$5	\$15 \$36	\$249
12 Gas Cost \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0	\$0
13 Total Revenue [2] \$67 \$59 \$31 \$19 \$7 \$3 \$3 \$2 \$2 \$5	\$15 \$36	\$249
14 LG3 LG&E Residential		
	1 1	12
	105.5 59.5	714.1
	\$37 \$21	\$256
18 Gas Cost \$0 <	\$0 \$0 \$37 \$21	\$0
19 Total Revenue [2] \$33 \$26 \$16 \$37 \$24 \$10 \$10 \$5 \$10 \$27	\$37 \$21	\$256
20 LG4 LG&E Residential		
21 Bills 1 1 1 1 1 1 1 1 1 1 1	1 1	12
22 Volumes [1] 49.5 58.7 42.0 20.7 11.2 4.0 2.6 2.8 3.0 3.9	18.9 40.3	257.6
23 Revenue Less Gas Cost \$20 \$23 \$17 \$8 \$4 \$2 \$1 \$1 \$1 \$2	\$8 \$16	\$103
24 Gas Cost \$0 <	\$0 \$0	\$0
25 Total Revenue [2] \$20 \$23 \$17 \$8 \$4 \$2 \$1 \$1 \$1 \$2	\$8 \$16	\$103
26 GSO General Service - Commercial		
27 Bills 10,207 10,271 10,035 10,003 9,882 9,780 9,783 9,770 9,739 9,772	9,915 10,076	119,233
	171.035.9 423.570.9	3.098.215.1
	\$802,479 \$1,302,344	\$11,635,075
	\$377,835 \$935,710	\$6,844,267
	\$1,180,314 \$2,238,054	\$18,479,342

^[1] Reflects Normalized Volumes.[2] See Schedule M-2.2 Pages 8 through 21 for detail.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 4 of 21 Witness: M. J. Bell

Current	Annual	ized

No. C	tate Class/ ode <u>Description</u> (A) (B)	Current Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1	Sales Service														
2 GS															
3	Bills		43	43	43	43	43	44	44	45	44	44	44	44	524
4	Volumes [1]		33,000.2	31,999.9	30,900.0	29,799.9	28,800.3	27,749.9	27,749.9	28,750.2	28,750.2	30,849.9	30,900.0	31,000.1	360,250.5
5	Revenue Less Gas Cost		\$56,249	\$54,442	\$52,827	\$50,922	\$48,742	\$46,839	\$46,838	\$48,653	\$48,602	\$52,087	\$52,446	\$52,823	\$611,470
6	Gas Cost		\$72,901	\$70,691	\$68,261	\$65,831	\$63,623	\$61,302	\$61,302	\$63,512	\$63,512	\$68,151	\$68,261	\$68,482	\$795,829
7	Total Revenue [2]		\$129,150	\$125,133	\$121,089	\$116,753	\$112,365	\$108,141	\$108,140	\$112,165	\$112,114	\$120,238	\$120,707	\$121,305	\$1,407,299
8 IS	Interruptible Service - Industrial														
9	Bills		0	0	0	0	0	0	0	0	0	0	0	0	0
10	Volumes [1]		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Revenue Less Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Total Revenue [2]		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14 IUS															_
15	Bills		2	2	2	2	2	2	2	2	2	2	2	2	24
16	Volumes [1]		3,136.7	2,307.2	1,098.6	641.7	362.9	221.4	245.0	196.3	196.6	705.2	1,014.3	1,194.8	11,320.7
17	Revenue Less Gas Cost		\$3,715	\$3,025	\$2,021	\$1,641	\$1,409	\$1,292	\$1,312	\$1,271	\$1,271	\$1,694	\$1,951	\$2,101	\$22,703
18	Gas Cost		\$6,929	\$5,097	\$2,427	\$1,418	\$802	\$489	\$541	\$434	\$434	\$1,558	\$2,241	\$2,639	\$25,009
19	Total Revenue [2]		\$10,644	\$8,122	\$4,448	\$3,059	\$2,211	\$1,781	\$1,853	\$1,705	\$1,706	\$3,252	\$4,191	\$4,740	\$47,711

^[1] Reflects Normalized Volumes.[2] See Schedule M-2.2 Pages 8 through 21 for detail.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 5 of 21 Witness: M. J. Bell

Current	Annualizad

Page	Line Rat														
Transportation Service			<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	Mar-17 (F)	Apr-17 (G)	May-17 (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	Aug-17 (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (O)	Total (P)
Common C		.,	(-)	(-)	(-)	(-)	(,	(7	(-)	()	(-)	()	()	(-)	()
Bils 23,720 23,786 23,786 23,786 23,876 23,876 23,886 23,238 23,238 23,238 23,237 23,886 23,677 23,877 23,	1	<u>Transportation Service</u>													
Volumes 1	2 GTR	GTS Choice - Residential													
Second S	3														
Grac Coat															
State Continue C	-														
8 GTO GTS Choice - Commercial 9 Bills 3,837 3,809 4,093 4,081 4,058 4,042 4,016 3,956 3,924 3,899 3,877 3,853 47,445 10 Volumes [1] 32,000.8 312,002.4 236,001.1 155,003.9 96,986. 74,002.1 65,999.0 64,001.1 68,986.0 90,994.6 139,994.7 233,996.5 1,859,990.8 11 Revenue Less Gas Cost \$789,016 \$772,730 \$650,934 \$494,426 \$378,455 \$329,981 \$313,540 \$306,979 \$314,988 \$356,014 \$451,324 \$262,004 \$5,787,037 \$12 Gas Cost \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.															
Bills		Total Revenue [2]	\$1,272,310	\$1,247,887	\$1,043,190	\$776,342	\$588,767	\$498,639	\$472,721	\$470,126	\$473,989	\$506,718	\$679,056	\$999,361	\$9,029,105
Volumes [1] Volumes [1] S22,000.8 312,002.4 238,001.1 155,003.9 899.8 74,000.1 65,999.0 64,001.1 68,998.0 90,994.6 139,994.7 233,996.5 1,859,990.5 1,859,990.5 1,859,990.5 1,959	8 GTO	GTS Choice - Commercial													
Revenue Less Gas Cost \$78,016 \$772,730 \$650,034 \$454,426 \$7878,455 \$329,981 \$313,540 \$306,079 \$314,988 \$356,014 \$451,224 \$620,049 \$5,787,037 \$13 \$10															
12 Gas Cost So So So So So So So S															
Total Revenue [2] \$789,616 \$772,730 \$650,934 \$494,426 \$378,455 \$329,961 \$313,540 \$306,979 \$314,988 \$356,014 \$451,324 \$628,049 \$5,787,037 \$16 \$15 \$18 \$13 \$13 \$12 \$13 \$12 \$12 \$12 \$12 \$12 \$12 \$12 \$13 \$13 \$149 \$16 \$Volumes [1] \$6,000.1 \$5,999.9 \$5,999.9 \$5,999.9 \$6,000.0 \$6,000.1 \$5,999.9 \$6,000.0 \$6,000.1 \$6,000.0 \$6,000.1 \$6,000.0 \$6,000.1 \$6,000.0 \$6,000.1 \$6,000.0 \$6,000.1 \$6,000.0 \$6,000.1 \$6,000.0 \$6,000.0 \$6,000.1 \$6,000.1 \$6,000.1 \$6,000.1 \$6,000.0 \$6,000.1 \$6,000															
14 GTO GTS Choice - Industrial 15 Bills 13 13 12 13 12 12 12 12															
Bills	13	Total Revenue [2]	\$789,616	\$772,730	\$650,934	\$494,426	\$378,455	\$329,981	\$313,540	\$306,979	\$314,988	\$356,014	\$451,324	\$628,049	\$5,787,037
Notward Notw	14 GTO	GTS Choice - Industrial													
Revenue Less Gas Cost	15	Bills	13	13	12	13	12	12	12	12	12	12	13	13	149
Second S															
Total Revenue															
20 DS GTS Delivery Service - Commercial 21 Bills															
21 Bills 41 32 32 32 32 32 32 34 33 33	19	Total Revenue [2]	\$10,924	\$10,957	\$10,827	\$10,674	\$10,509	\$10,423	\$10,406	\$10,371	\$10,373	\$10,599	\$10,774	\$10,818	\$127,654
21 Bills 41 32 32 32 32 32 32 34 33 33	20 DS	GTS Delivery Service - Commercial													
23 Revenue Less Gas Cost \$164,810 \$140,448 \$128,558 \$104,772 \$93,808 \$86,299 \$88,654 \$87,938 \$91,526 \$105,217 \$127,573 \$179,209 \$1,398,811 24 Gas Cost \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0			41	32	32	32	32	32	34	33	33	33	34	60	428
24 Gas Cost \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	22	Volumes [1]	188,859.0	169,110.1	147,265.6	103,565.2	83,423.1	69,626.2	68,394.7	69,858.1	76,451.3	101,603.3	139,898.5	162,514.9	1,380,570.0
25 Total Revenue [2] \$164,810 \$140,448 \$128,558 \$104,772 \$93,808 \$86,299 \$88,654 \$87,938 \$91,526 \$105,217 \$127,573 \$179,209 \$1,398,811 \$26 DS GTS Delivery Service - Industrial 39 39 39 39 39 39 39 39 39 39 39 39 39	23	Revenue Less Gas Cost	\$164,810	\$140,448	\$128,558	\$104,772	\$93,808	\$86,299	\$88,654	\$87,938	\$91,526	\$105,217	\$127,573	\$179,209	\$1,398,811
26 DS GTS Delivery Service - Industrial 27 Bills 39 39 39 39 39 39 39 39 39 39 39 39 39															
Second Content of Co	25	Total Revenue [2]	\$164,810	\$140,448	\$128,558	\$104,772	\$93,808	\$86,299	\$88,654	\$87,938	\$91,526	\$105,217	\$127,573	\$179,209	\$1,398,811
Second Content of Co	26 DS	GTS Delivery Service - Industrial													
29 Revenue Less Gas Cost \$346,618 \$318,984 \$289,731 \$256,524 \$235,868 \$225,560 \$206,225 \$226,224 \$235,124 \$269,348 \$301,962 \$310,255 \$3,222,464 30 Gas Cost \$0 <td< td=""><td></td><td></td><td>39</td><td>39</td><td>39</td><td>39</td><td>39</td><td>39</td><td>39</td><td>39</td><td>39</td><td>39</td><td>39</td><td>39</td><td>468</td></td<>			39	39	39	39	39	39	39	39	39	39	39	39	468
30 Gas Cost \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	28	Volumes [1]	674,909.5	602,578.5	525,440.7	427,583.6	368,992.8	339,504.1	295,115.5	342,173.2	361,661.7	454,356.4	551,432.0	573,549.4	5,517,297.4
31 Total Revenue [2] \$346,618 \$318,984 \$289,731 \$256,524 \$235,868 \$225,560 \$206,225 \$226,264 \$235,124 \$269,348 \$301,962 \$310,255 \$3,222,464 \$235,124 \$269,348 \$301,962 \$310,255 \$3,222,464 \$32,000 \$310,0	29	Revenue Less Gas Cost	\$346,618	\$318,984	\$289,731	\$256,524	\$235,868	\$225,560	\$206,225	\$226,264	\$235,124	\$269,348	\$301,962	\$310,255	\$3,222,464
32 GDS GTS Grandfathered Delivery Service - Commercial 33 Bills 12 12 12 12 12 12 12 12 12 12 13 12 145 34 Volumes [1] 25,802.9 25,486.0 22,066.6 16,282.9 15,072.9 10,869.6 12,145.5 10,637.9 11,242.7 14,420.7 18,455.5 21,147.3 203,630.5 86 Revenue Less Gas Cost \$42,841 \$42,333 \$37,160 \$82,8266 \$26,433 \$19,805 \$21,796 \$19,352 \$20,392 \$25,889 \$31,595 \$35,765 \$351,127.3 \$36 Gas Cost \$50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0															
33 Bills 12 12 12 12 12 12 12 12 12 12 12 12 12	31	Total Revenue [2]	\$346,618	\$318,984	\$289,731	\$256,524	\$235,868	\$225,560	\$206,225	\$226,264	\$235,124	\$269,348	\$301,962	\$310,255	\$3,222,464
33 Bills 12 12 12 12 12 12 12 12 12 12 12 12 12	32 GD6	GTS Grandfathered Delivery Service - Commorpiel	ı												
34 Volumes [1] 25,802.9 25,486.0 22,066.6 16,282.9 15,072.9 10,869.6 12,145.5 10,637.9 11,242.7 14,420.7 18,455.5 21,147.3 203,630.5 8 Revenue Less Gas Cost \$42,841 \$42,333 \$37,160 \$28,266 \$26,433 \$19,805 \$21,796 \$19,352 \$20,392 \$25,389 \$31,595 \$35,765 \$351,127 \$6 Gas Cost \$50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0				12	12	12	12	12	12	12	12	12	13	12	145
35 Revenue Less Gas Cost \$42,841 \$42,333 \$37,160 \$28,266 \$26,433 \$19,805 \$21,796 \$19,352 \$20,392 \$25,389 \$31,595 \$35,765 \$351,127 36 Gas Cost \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0															
<u>36</u> Gas Cost \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0			- ,		,	-, -		-,							
37 Total Revenue [2] \$42,841 \$42,333 \$37,160 \$28,266 \$26,433 \$19,805 \$21,796 \$19,352 \$20,392 \$25,389 \$31,595 \$35,765 \$351,127		Gas Cost								\$0	\$0				
	37	Total Revenue [2]	\$42,841	\$42,333	\$37,160	\$28,266	\$26,433	\$19,805	\$21,796	\$19,352	\$20,392	\$25,389	\$31,595	\$35,765	\$351,127

^[1] Reflects Normalized Volumes.

^[2] See Schedule M-2.2 Pages 8 through 21 for detail.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 6 of 21 Witness: M. J. Bell

		recasted					Current	Annualized								ess: M. J. Bei
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Current <u>Rates</u> (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1		Transportation Service														
2 G	SDS	GTS Grandfathered Delivery Service	e - Industrial													
3		Bills		15	15	15	15	15	15	15	15	15	15	15	15	180
4		Volumes [1]		17,844.3	16,829.3	19,051.3	14,067.2	13,118.3	8,875.7	8,048.4	9,066.8	9,786.3	10,096.7	12,703.0	14,980.6	154,467.9
5		Revenue Less Gas Cost		\$30,796	\$29,310	\$33,020	\$25,234	\$23,459	\$16,407	\$15,158	\$16,878	\$17,954	\$18,533	\$22,800	\$26,513	\$276,061
6		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7		Total Revenue [2]		\$30,796	\$29,310	\$33,020	\$25,234	\$23,459	\$16,407	\$15,158	\$16,878	\$17,954	\$18,533	\$22,800	\$26,513	\$276,061
8 D	S3	GTS Main Line Service - Industrial														
9		Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
10		Volumes [1]		58,289.0	56,724.0	56,724.0	57,213.0	57,995.0	58,484.0	55,942.0	54,866.0	55,746.0	58,093.0	57,604.0	53,301.0	680,981.0
11		Revenue Less Gas Cost		\$5,769	\$5,635	\$5,635	\$5,677	\$5,744	\$5,786	\$5,568	\$5,475	\$5,551	\$5,752	\$5,710	\$5,341	\$67,641
12		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13		Total Revenue [2]		\$5,769	\$5,635	\$5,635	\$5,677	\$5,744	\$5,786	\$5,568	\$5,475	\$5,551	\$5,752	\$5,710	\$5,341	\$67,641
14 F	X1	GTS Flex Rate - Commercial														
15		Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
16		Volumes [1]		74,328.0	58,680.0	70,416.0	34,230.0	29,340.0	29,340.0	29,340.0	29,340.0	34,230.0	39,120.0	49,878.0	63,570.0	541,812.0
17		Revenue Less Gas Cost		\$30,051	\$23,948	\$28,525	\$14,413	\$12,506	\$12,506	\$12,506	\$12,506	\$14,413	\$16,320	\$20,515	\$25,855	\$224,062
18		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19		Total Revenue [2]		\$30,051	\$23,948	\$28,525	\$14,413	\$12,506	\$12,506	\$12,506	\$12,506	\$14,413	\$16,320	\$20,515	\$25,855	\$224,062
20 F	X2	GTS Flex Rate - Commercial														
21		Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
22		Volumes [1]		44,010.0	56,724.0	33,252.0	47,922.0	37,164.0	37,164.0	39,120.0	37,164.0	41,076.0	50,856.0	54,768.0	54,768.0	533,988.0
23		Revenue Less Gas Cost		\$18,227	\$23,185	\$14,031	\$19,753	\$15,557	\$15,557	\$16,320	\$15,557	\$17,083	\$20,897	\$22,422	\$22,422	\$221,011
24		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25		Total Revenue [2]		\$18,227	\$23,185	\$14,031	\$19,753	\$15,557	\$15,557	\$16,320	\$15,557	\$17,083	\$20,897	\$22,422	\$22,422	\$221,011
26 F	X5	GTS Flex Rate - Industrial														
27		Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
28		Volumes [1]		411.738.0	369,684.0	397,068.0	381,420.0	392,178,0	381,420.0	392,178.0	392,178.0	381,420.0	397,068.0	391,200.0	401,958.0	4.689.510.0
29		Revenue Less Gas Cost		\$36,095	\$32,487	\$34,836	\$33,494	\$34,417	\$33,494	\$34,417	\$34,417	\$33,494	\$34,836	\$34,333	\$35,256	\$411,572
30		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
31		Total Revenue [2]		\$36,095	\$32,487	\$34,836	\$33,494	\$34,417	\$33,494	\$34,417	\$34,417	\$33,494	\$34,836	\$34,333	\$35,256	\$411,572
32 F	X7	GTS Flex Rate - Industrial														
33		Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
34		Volumes [1]		44,077.0	26,389.0	30,000.0	30,000.0	30,000.0	30,000.0	30,000.0	30,000.0	45,000.0	45,000.0	39,555.0	39,979.0	420,000.0
35		Revenue Less Gas Cost		\$18,464	\$13,688	\$14,663	\$14,663	\$14,663	\$14,663	\$14,663	\$14,663	\$18,713	\$18,713	\$17,243	\$17,357	\$192,155
36		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
37		Total Revenue [2]		\$18.464	\$13,688	\$14,663	\$14.663	\$14,663	\$14,663	\$14,663	\$14,663	\$18,713	\$18,713	\$17,243	\$17.357	\$192,155

^[1] Reflects Normalized Volumes.[2] See Schedule M-2.2 Pages 8 through 21 for detail.

Data: __ Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 7 of 21 Witness: M. J. Bell

12 Montr	ns For	ecasted				Current	Annualized							*****	
No. C	Rate Gode (A)	Class/ Curr Description Rat (B) (C	es Jan-17	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (0)	Total (P)
1		Transportation Service													
2 SAS	S	GTS Special Agency Service													
3		Bills	0	0	0	0	0	0	0	0	0	0	0	0	0
4		Volumes [1]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5		Revenue Less Gas Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6		Gas Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7		Total Revenue [2]	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8 SC	3	GTS Special Rate - Industrial													
9	-	Bills	1	1	1	1	1	1	1	1	1	1	1	1	12
10		Volumes [1]	165,000.0	155,000.0	140,000.0	128,000.0	111,000.0	102,000.0	102,000.0	102,000.0	120,000.0	145,000.0	150,000.0	160,000.0	1,580,000.0
11		Revenue Less Gas Cost	\$46,963	\$45,363	\$41,663	\$39,743	\$35,723	\$34,283	\$34,283	\$34,283	\$37,163	\$41,163	\$43,263	\$46,163	\$480,055
12		Adjustment to Reflect Minimum Bill	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$185,945	\$185,945
13		Total Revenue [2]	\$46,963	\$45,363	\$41,663	\$39,743	\$35,723	\$34,283	\$34,283	\$34,283	\$37,163	\$41,163	\$43,263	\$232,108	\$666,000
14 Tot	al Sal	es and Transportation	\$14,017,272	\$13,709,385	\$11,041,014	\$7,878,986	\$5,573,862	\$4,528,875	\$4,196,752	\$4,184,958	\$4,217,683	\$4,715,659	\$6,692,949	\$10,795,234	\$91,552,628
15		Other Gas Department Revenue													
16		Acct, 487 Forfeited Discounts	\$56,000	\$79,000	\$78,000	\$74,000	\$40,000	\$25,000	\$20,000	\$19,000	\$22,000	\$11,000	\$18,000	\$34,000	\$476,000
17		Acct. 488 Miscellaneous Service Revenue	\$8,000	\$9,000	\$11,000	\$13,000	\$10,000	\$11,000	\$9,000	\$8,000	\$9,000	\$19,000	\$20,000	\$10,000	\$137,000
18		Acct. 493 Rent From Gas Property	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$72,000
19		Acct. 495 Non-Traditional Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20		Acct. 495 Other Gas Revenues - Other	\$66,000	\$58,000	\$61,000	\$85,000	\$24,000	\$19,000	\$16,000	\$15,000	\$16,000	\$18,000	\$25,000	\$112,000	\$515,000
21 Tot	tal Oth	ner Gas Department Revenue	\$136,000	\$152,000	\$156,000	\$178,000	\$80,000	\$61,000	\$51,000	\$48,000	\$53,000	\$54,000	\$69,000	\$162,000	\$1,200,000
22 Tot	al Gro	oss Revenue	\$14.153,272	\$13.861.385	\$11,197,014	\$8.056.986	\$5.653.862	\$4.589.875	\$4.247.752	\$4,232,958	\$4,270,683	\$4,769,659	\$6,761,949	\$10,957,234	\$92,752,628

^[1] Reflects Normalized Volumes. [2] See Schedule M-2.2 Pages 8 through 21 for detail.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 8 of 21 Witness: M. J. Bell

							Current	Annualized								
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Current Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (l)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1	GSR	General Service - Residential														
2		RESIDENTIAL														
3 4 5		Customer Bills Customer Charge Accelerated Main Replacement Progra	\$15.00 \$2.25	99,289 \$1,489,335 \$223,400	99,473 \$1,492,095 \$223,814	99,542 \$1,493,130 \$223,970	99,522 \$1,492,830 \$223,925	99,040 \$1,485,600 \$222,840	98,094 \$1,471,410 \$220,712	97,239 \$1,458,585 \$218,788	97,617 \$1,464,255 \$219,638	96,979 \$1,454,685 \$218,203	96,955 \$1,454,325 \$218,149	97,991 \$1,469,865 \$220,480	98,925 \$1,483,875 \$222,581	1,180,666 \$17,709,990 \$2,656,499
6 7		Volumes (Mcf) [1] Commodity Charge	\$2.2666	1,331,907.1 \$3,018,901	1,291,151.8 \$2,926,525	968,403.0 \$2,194,982	552,553.4 \$1,252,418	259,776.4 \$588,809	123,911.3 \$280,857	88,930.0 \$201,569	85,940.7 \$194,793	88,922.9 \$201,553	141,784.3 \$321,368	408,542.4 \$926,002	906,257.2 \$2,054,123	6,248,080.5 \$14,161,899
8		Revenue Less Gas Cost		\$4,731,636	\$4,642,434	\$3,912,082	\$2,969,172	\$2,297,249	\$1,972,979	\$1,878,941	\$1,878,686	\$1,874,440	\$1,993,842	\$2,616,347	\$3,760,579	\$34,528,388
9		Gas Cost Revenue [2]	\$2.2091	\$2,942,316	\$2,852,283	\$2,139,299	\$1,220,646	\$573,872	\$273,732	\$196,455	\$189,852	\$196,440	<u>\$313,216</u>	\$902,511	\$2,002,013	\$13,802,635
10		Revenue Excluding Riders		\$7,673,952	\$7,494,717	\$6,051,381	\$4,189,818	\$2,871,121	\$2,246,711	\$2,075,397	\$2,068,538	\$2,070,880	\$2,307,058	\$3,518,858	\$5,762,592	\$48,331,022
11 12 13 14 15		Riders: Energy Efficiency Conservation Progra Gas Cost Uncollectible Charge EAP Recovery Total Riders	\$0.6900 \$0.0160 \$0.0597	\$68,509 21,311 <u>79,515</u> \$169,335	\$68,636 20,658 <u>77,082</u> \$166,377	\$68,684 15,494 <u>57,814</u> \$141,992	\$68,670 8,841 <u>32,987</u> \$110,498	\$68,338 4,156 <u>15,509</u> \$88,003	\$67,685 1,983 <u>7,398</u> \$77,065	\$67,095 1,423 <u>5,309</u> \$73,827	\$67,356 1,375 <u>5,131</u> \$73,861	\$66,916 1,423 <u>5,309</u> \$73,647	\$66,899 2,269 <u>8,465</u> \$77,632	\$67,614 6,537 <u>24,390</u> \$98,540	\$68,258 14,500 <u>54,104</u> \$136,862	\$814,660 99,969 <u>373,010</u> \$1,287,639
16		Total Revenue		\$7,843,287	\$7,661,094	\$6,193,373	\$4,300,316	\$2,959,124	\$2,323,776	\$2,149,224	\$2,142,399	\$2,144,527	\$2,384,690	\$3,617,398	\$5,899,454	\$49,618,662
17	G1C	LG&E Commercial														
19 20		Customer Bills Customer Charge	\$56.92	3 \$171	3 \$171	4 \$228	4 \$228	4 \$228	4 \$228	4 \$228	3 \$171	3 \$171	3 \$171	3 \$171	3 \$171	41 \$2,334
21 22		Volumes (Mcf) [1] Commodity Charge	\$2.1558	307.2 \$662	374.8 \$808	373.1 \$804	173.3 \$374	68.9 \$149	18.0 \$39	29.1 \$63	16.7 \$36	8.8 \$19	22.2 \$48	83.3 \$180	222.4 \$479	1,697.8 \$3,660
23		Revenue Less Gas Cost		\$833	\$979	\$1,032	\$601	\$376	\$266	\$290	\$207	\$190	\$219	\$350	\$650	\$5,994
24		Gas Cost Revenue [2]	\$2.2091	<u>\$679</u>	\$828	\$824	<u>\$383</u>	<u>\$152</u>	<u>\$40</u>	<u>\$64</u>	<u>\$37</u>	<u>\$19</u>	\$49	<u>\$184</u>	\$491	\$3,751
25		Total Revenue		\$1,512	\$1,807	\$1,856	\$984	\$528	\$306	\$355	\$244	\$209	\$268	\$534	\$1,142	\$9,744

^[1] Reflects Normalized Volumes. [2] Reflects Gas Cost Adjustment Rate as of March 1, 2016.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 9 of 21 Witness: M. J. Bell

						Current	Annualized								
Line Rat No. Cod (A)	e <u>Description</u>	Current <u>Rates</u> (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1 G1R	LG&E Residential														
2	RESIDENTIAL														
3 4	Customer Bills Customer Charge	\$17.27	16 \$276	16 \$276	16 \$276	16 \$276	192 \$3,316								
5 6	Volumes (Mcf) [1] Commodity Charge	\$2.9600	458.3 \$1,357	345.9 \$1,024	279.4 \$827	174.8 \$517	81.1 \$240	33.4 \$99	24.1 \$71	27.6 \$82	28.4 \$84	68.0 \$201	159.2 \$471	338.7 \$1,003	2,018.9 \$5,976
7	Revenue Less Gas Cost		\$1,633	\$1,300	\$1,103	\$794	\$516	\$375	\$348	\$358	\$360	\$478	\$748	\$1,279	\$9,292
8	Gas Cost Revenue [2]	\$2.2091	\$1,012	\$764	\$617	\$386	\$179	\$74	\$53	\$61	\$63	\$150	\$352	\$748	\$4,460
9	Total Revenue		\$2,645	\$2,064	\$1,721	\$1,180	\$696	\$449	\$401	\$419	\$423	\$628	\$1,099	\$2,027	\$13,752
10 IN3	Inland Gas General Service - Res	sidential													
12 13	Customer Bills Customer Charge	\$0.00	9 \$0	9 \$0	9 \$0	10 \$0	8 \$0	9 \$0	9 \$0	9 \$0	9 \$0	9 \$0	9 \$0	9 \$0	108 \$0
14 15	Volumes (Mcf) [1] Commodity Charge	\$0.4000	247.9 \$99	172.9 \$69	116.2 \$46	84.5 \$34	36.3 \$15	17.0 \$7	11.6 \$5	10.8 \$4	11.5 \$5	34.0 \$14	90.2 \$36	157.3 \$63	990.2 \$396
16	Revenue Less Gas Cost		\$99	\$69	\$46	\$34	\$15	\$7	\$5	\$4	\$5	\$14	\$36	\$63	\$396
17	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18	Total Revenue		\$99	\$69	\$46	\$34	\$15	\$7	\$5	\$4	\$5	\$14	\$36	\$63	\$396
19 IN4	Inland Gas General Service - Res	sidential													
20	RESIDENTIAL														
21 22	Customer Bills Customer Charge	\$0.00	- \$0	- \$0	- \$0	- \$0	- \$0								
23 24	Volumes (Mcf) [1] Commodity Charge	\$0.5500	- \$0	- \$0	- \$0	- \$0	- \$0								
25	Revenue Less Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27	Total Revenue		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

^[1] Reflects Normalized Volumes.[2] Reflects Gas Cost Adjustment Rate as of March 1, 2016.

Data: __ Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 10 of 21 Witness: M. J. Bell

12 11101	1111310	recasted					Current	Annualized							vvidis	ess: M. J. Be
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Current <u>Rates</u> (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (0)	Total (P)
1 1	N5	Inland Gas General Service - Res	idential													
2		RESIDENTIAL														
3 4		Customer Bills Customer Charge	\$0.00	3 \$0	3 \$0	3 \$0	3 \$0	36 \$0								
5 6		Volumes (Mcf) [1] Commodity Charge	\$0.6000	84.3 \$51	54.6 \$33	43.5 \$26	25.4 \$15	12.3 \$7	4.9 \$3	2.4 \$1	2.9 \$2	4.3 \$3	14.9 \$9	32.1 \$19	52.0 \$31	333.6 \$200
7		Revenue Less Gas Cost		\$51	\$33	\$26	\$15	\$7	\$3	\$1	\$2	\$3	\$9	\$19	\$31	\$200
8		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9		Total Revenue		\$51	\$33	\$26	\$15	\$7	\$3	\$1	\$2	\$3	\$9	\$19	\$31	\$200
10 L	.G2	LG&E Residential														
11		RESIDENTIAL														
12 13		Customer Bills Customer Charge	\$0.00	1 \$0	1 \$0	1 \$0	1 \$0	12 \$0								
14 15		Volumes (Mcf) [1] Commodity Charge	\$0.3500	161.1 \$56	142.8 \$50	70.5 \$25	36.6 \$13	15.2 \$5	2.9 \$1	3.2 \$1	3.4 \$1	3.8 \$1	19.0 \$7	51.7 \$18	95.0 \$33	605.2 \$212
16		Revenue Less Gas Cost		\$56	\$50	\$25	\$13	\$5	\$1	\$1	\$1	\$1	\$7	\$18	\$33	\$212
17		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18		Total Revenue		\$56	\$50	\$25	\$13	\$5	\$1	\$1	\$1	\$1	\$7	\$18	\$33	\$212
19 L	.G2	LG&E Commercial														
20		COMMERCIAL														
21 22		Customer Bills Customer Charge	\$0.00	1 \$0	1 \$0	1 \$0	1 \$0	12 \$0								
23 24		Volumes (Mcf) [1] Commodity Charge	\$0.3500	191.8 \$67	167.7 \$59	88.3 \$31	54.0 \$19	20.2 \$7	7.6 \$3	7.9 \$3	6.8 \$2	6.6 \$2	14.8 \$5	41.5 \$15	103.7 \$36	710.9 \$249
25		Revenue Less Gas Cost		\$67	\$59	\$31	\$19	\$7	\$3	\$3	\$2	\$2	\$5	\$15	\$36	\$249
26		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27		Total Revenue		\$67	\$59	\$31	\$19	\$7	\$3	\$3	\$2	\$2	\$5	\$15	\$36	\$249

^[1] Reflects Normalized Volumes.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 11 of 21 Witness: M. J. Bell

						Current	Annualized								
	nte Class/ de <u>Description</u> A) (B)	Current <u>Rates</u> (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (O)	Total (P)
1 LG3	LG&E Residential														
2	RESIDENTIAL														
3 4	Customer Bills Customer Charge	\$1.20	1 \$1	1 \$1	1 \$1	1 \$1	1 \$1	1 \$1	1 \$1	1 \$1	1 \$1	1 \$1	1 \$1	1 \$1	12 \$14
5 6 7	Volumes (Mcf) [1] First 2 Mcf Over 2 Mcf Commodity Charge		2.0 <u>89.8</u> 91.8	2.0 <u>71.4</u> 73.4	2.0 <u>43.4</u> 45.4	2.0 102.5 104.5	2.0 65.4 67.4	2.4 24.1 26.5	2.0 24.2 26.2	2.0 <u>9.8</u> 11.8	2.0 24.2 26.2	2.0 <u>73.9</u> 75.9	2.0 <u>103.5</u> 105.5	2.0 <u>57.5</u> 59.5	24.4 689.7 714.1
9 10	First 2 Mcf Over 2 Mcf	\$0.0000 \$0.3500	\$0 <u>31</u> \$31	\$0 <u>25</u> \$25	\$0 <u>15</u> \$15	\$0 <u>36</u> \$36	\$0 <u>23</u> \$23	\$0 <u>8</u> \$8	\$0 <u>8</u> \$8	\$0 <u>3</u> \$3	\$0 <u>8</u> \$8	\$0 <u>26</u> \$26	\$0 <u>36</u> \$36	\$0 <u>20</u> \$20	\$0 <u>241</u> \$241
11	Revenue Less Gas Cost		\$33	\$26	\$16	\$37	\$24	\$10	\$10	\$5	\$10	\$27	\$37	\$21	\$256
12	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Total Revenue		\$33	\$26	\$16	\$37	\$24	\$10	\$10	\$5	\$10	\$27	\$37	\$21	\$256
14 LG4 2	LG&E Residential RESIDENTIAL														
3 4	Customer Bills Customer Charge	\$0.00	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	12 \$0
5 6	Volumes (Mcf) [1] Commodity Charge	\$0.4000	49.5 \$20	58.7 \$23	42.0 \$17	20.7 \$8	11.2 \$4	4.0 \$2	2.6 \$1	2.8 \$1	3.0 \$1	3.9 \$2	18.9 \$8	40.3 \$16	257.6 \$103
7	Revenue Less Gas Cost		\$20	\$23	\$17	\$8	\$4	\$2	\$1	\$1	\$1	\$2	\$8	\$16	\$103
8	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Total Revenue		\$20	\$23	\$17	\$8	\$4	\$2	\$1	\$1	\$1	\$2	\$8	\$16	\$103

^[1] Reflects Normalized Volumes.

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No.

Schedule M-2.2 Page 12 of 21 Witness: M. J. Bell 119,233 \$4,471,238 \$956,249 1,502,815.4 1,239,119.0 271,140.7 85,140.0 3,098,215.1 451,693 129,106 \$3,406,281 2,170,937 \$6,844,267 \$18,429,771 \$11,585,504 \$49,571 (P) 10,076 \$377,850 \$80,810 195,908.3 176,923.0 39,805.4 10,934.2 423,570.9 \$444,046 309,969 66,312 16,581 \$6,777 \$836,907 \$1,295,567 \$935,710 Dec-17 (0) 9,915 \$371,813 \$79,518 96,888.0 64,078.0 8,498.8 1,571.1 171,035.9 \$219,606 112,265 14,158 \$2,737 \$799,742 \$348,412 \$377,835 Nov-17 (N) 9,772 \$366,450 \$78,371 49,862.3 24,169.7 3,112.1 0.0 77,144.1 \$113,018 42,345 5,184 \$160,548 \$605,369 \$170,419 \$775,788 \$1,234 Oct-17 (M) 9,739 \$365,213 \$78,107 36,349.0 14,035.7 1,416.5 0.0 51,801.2 \$82,389 24,591 \$829 2,360 \$109,339 \$552,658 \$114,434 \$667.092 Sep-17 (L) 9,770 \$366,375 \$78,355 36,243.0 15,250.7 1,292.0 0.0 52,785.7 \$82,148 26,719 2,152 \$111,020 \$555,750 \$116,609 \$845 \$672.359 Aug-17 (K) 9,783 \$366,863 \$78,460 38,320.5 16,633.3 1,774.7 0.0 56,728.5 \$86,857 29,142 2,956 \$118,955 \$564,277 \$125,319 \$908 \$689.596 Jul-17 (5) 9,780 \$366,750 \$78,436 45.9 80,718.3 \$110,463 50,196 70 \$166,204 48,735.1 28,650.6 3,286.7 \$611,389 \$178,315 \$1,291 5,475 \$789,704 Jun-17 (I) 9,882 \$370,575 \$79,254 76,805.7 47,813.0 7,331.2 2.530.3 134,480.2 \$174,088 83,768 12,213 \$273,906 \$723,735 \$297,080 \$2,152 \$1,020,815 May-17 (H) Current Annualized 10,003 \$375,113 \$80,224 149,381.8 106,946.4 16,494.1 4,479.6 277,301.9 \$338,589 187,370 27,478 \$560,229 \$1,015,566 \$612,588 \$1,628,153 \$4,437 Apr-17 (G) 10,035 \$376,313 \$80,481 227,896.5 181,833.2 38,109.6 9.008.2 456,847.5 \$516,550 318,572 63,487 13,660 \$1,369,062 \$1,009,222 \$2,378,284 \$7,310 <u>Mar-17</u> (F) \$631,817 489,327 117,946 39,750 \$1,278,840 10,271 \$385,163 \$82,373 278,751.2 279,296.2 70,800.1 <u>26,213.4</u> 655,060.9 \$1,746,376 \$1,447,095 \$3,193,471 \$10,481 Feb-17 (E) 10,207 \$382,763 \$81,860 267,674.0 283,489.2 79,219.5 30,357.3 660,740.0 \$606,710 496,673 131,972 46,034 \$1,746,011 \$1,281,389 \$1,459,641 \$10,572 Jan-17 (D) \$37.50 \$2.2091 \$0.0160 Current Rates (C) Customer Bills Customer Charge Accelerated Main Replacement Progrs Data: ___Base Period _X_Forecasted Period Type of Filing: X Original _Update _Revised Work Paper Reference No(s): 12 Months Forecasted Gas Cost Uncollectible Charge General Service - Commercial Class/ Description (B) Revenue Less Gas Cost Gas Cost Revenue [2] Revenue Excluding Rid Commodity Charge First 50 Mcf Next 350 Mcf Next 600 Mcf Over 1,000 Mcf Volumes (Mcf) [1] First 50 Mcf Next 350 Mcf Next 600 Mcf Over 1,000 Mcf COMMERCIAL Rate Code (A)

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^[1] Reflects Normalized Volumes. [2] Reflects Gas Cost Adjustment Rate as of March 1, 2016.

KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

Columbia Gas of Kentucky, Inc. Case No. 2016-00162 Annualized Test Year Revenues at Current Rates For the 12 Months Ended December 31, 2017 (Gas Service)

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 13 of 21 Witness: M. J. Bell

							Current /	Annualized								
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Current Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (0)	Total (P)
1	GSO	General Service - Industrial														
2		INDUSTRIAL														
3		Customer Bills Customer Charge	\$37.50	43 \$1,613	43 \$1,613	43 \$1,613	43 \$1,613	43 \$1,613	44 \$1,650	44 \$1,650	45 \$1,688	44 \$1,650	44 \$1,650	44 \$1,650	44 \$1,650	524 \$19,650
5		Accelerated Main Replacement Progra	\$8.02	\$345	\$345	\$345	\$345	\$345	\$353	\$353	\$361	\$353	\$353	\$353	\$353	\$4,202
6 7		Volumes (Mcf) [1] First 50 Mcf		1,708.9	1,701.3	1,750.8	1.513.3	1.170.7	916.7	785.3	882.2	940.1	1,050.0	1,434.4	1,636.5	15,490.2
8		Next 350 Mcf		7,148.9	6,006.8	6,156.4	6,215.5	4,577.2	4,111.5	4,287.7	4,689.2	4,390.5	4,922.5	5,568.0	5,921.9	63,996.1
9		Next 600 Mcf		5,057.5	5,060.1	5,050.7	4,677.9	4,645.7	4,385.0	4,760.5	5,222.2	5,369.0	5,769.7	4,707.2	4,633.4	59,338.9
10		Over 1,000 Mcf		19,084.9 33,000.2	19,231.7 31,999.9	17,942.1 30,900.0	17,393.2 29,799.9	18,406.7 28,800.3	18,336.7 27,749.9	17,916.4 27,749.9	17,956.6 28,750.2	18,050.6 28,750.2	19,107.7 30,849.9	19,190.4 30,900.0	18,808.3 31,000.1	221,425.3 360,250.5
11		Commodity Charge		33,000.2	01,000.0	30,300.0	20,700.0	20,000.0	21,140.0	21,140.0	20,700.2	20,7 00.2	30,043.3	30,300.0	51,000.1	500,250.5
12		First 50 Mcf	\$2.2666	\$3,873	\$3,856	\$3,968	\$3,430	\$2,654	\$2,078	\$1,780	\$2,000	\$2,131	\$2,380	\$3,251	\$3,709	\$35,110
13		Next 350 Mcf	\$1.7520	12,525	10,524	10,786	10,890	8,019	7,203	7,512	8,215	7,692	8,624	9,755	10,375	112,121
14		Next 600 Mcf	\$1.6659	8,425	8,430	8,414	7,793	7,739	7,305	7,931	8,700	8,944	9,612	7,842	7,719	98,853
15		Over 1,000 Mcf	\$1.5164	28,940	29,163	27,207	26,375	27,912	27,806	27,168	27,229	27,372	28,975	29,100	28,521	335,769
				\$53,764	\$51,973	\$50,376	\$48,488	\$46,324	\$44,392	\$44,391	\$46,144	\$46,139	\$49,591	\$49,948	\$50,324	\$581,853
16		Revenue Less Gas Cost		\$55,721	\$53,930	\$52,333	\$50,445	\$48,281	\$46,395	\$46,394	\$48,193	\$48,142	\$51,594	\$51,951	\$52,327	\$605,706
17		Gas Cost Revenue [2]	\$2.2091	\$72,901	\$70,691	\$68,261	\$65,831	\$63,623	\$61,302	\$61,302	\$63,512	\$63,512	\$68,151	\$68,261	\$68,482	\$795,829
18		Revenue Excluding Riders		\$128,622	\$124,621	\$120,594	\$116,276	\$111,904	\$107,697	\$107,696	\$111,705	\$111,654	\$119,744	\$120,212	\$120,809	\$1,401,535
19 20		Riders: Gas Cost Uncollectible Charge	\$0.0160	\$528	\$512	\$494	\$477	\$461	\$444	\$444	\$460	\$460	\$494	\$494	\$496	\$5,764
21		Total Revenue		\$129,150	\$125,133	\$121,089	\$116,753	\$112,365	\$108,141	\$108,140	\$112,165	\$112,114	\$120,238	\$120,707	\$121,305	\$1,407,299

^[1] Reflects Normalized Volumes.[2] Reflects Gas Cost Adjustment Rate as of March 1, 2016.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 14 of 21 Witness: M. J. Bell

						Current	Annualized								
Line Rate No. Code (A)	Class/ <u>Description</u> (B)	Current <u>Rates</u> (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1 IS	Interruptible Service - Industrial														
2	INDUSTRIAL														
3	Customer Bills		0	0	0	0	0	0	0	0	0	0	0	0	0
4 5	Customer Charge Accelerated Main Replacement Progra	\$1,007.05 \$449.59	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0								
6	Volumes (Mcf) [1] First 30,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	Next 70,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	Over 100,000 Mcf		0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	<u>0.0</u> 0.0	<u>0.0</u> 0.0	<u>0.0</u> 0.0	0.0 0.0	<u>0.0</u> 0.0	0.0 0.0	0.0 0.0	0.0 0.0
10	Commodity Charge														
11	First 30,000 Mcf	\$0.5443	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Next 70,000 Mcf	\$0.2890	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Over 100,000 Mcf	\$0.2890	<u>0</u> \$0	<u>0</u> \$0	<u>0</u> \$0	<u>0</u> \$0	<u>0</u> \$0								
14	Revenue Less Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Gas Cost Revenue [2]	\$2.2091	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Revenue Excluding Riders		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Riders:														
18	Gas Cost Uncollectible Charge	\$0.0160	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Total Revenue		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20 IUS 21	Intrastate Utility Service - Wholesale WHOLESALE														
22	Customer Bills		2	2	2	2	2	2	2	2	2	2	2	2	24
23	Customer Charge	\$477.00	\$954	\$954	\$954	\$954	\$954	\$954	\$954	\$954	\$954	\$954	\$954	\$954	\$11,448
24	Accelerated Main Replacement Progra		\$154	\$154	\$154	\$154	\$154	\$154	\$154	\$154	\$154	\$154	\$154	\$154	\$1,847
25	Volumes (Mcf) [1]		3,136.7	2,307.2	1,098.6	641.7	362.9	221.4	245.0	196.3	196.6	705.2	1,014.3	1,194.8	11,320.7
26	Commodity Charge	\$0.8150	\$2,556	\$1,880	\$895	\$523	\$296	\$180	\$200	\$160	\$160	\$575	\$827	\$974	\$9,226
	Commodity Charge	\$0.6130	\$2,556	φ1,000	\$090	φ323	\$290	\$100	\$200	\$100	\$100	φ3/3	φ02 <i>1</i>	4974	\$9,220
27 28	5		00.004	00.000	00.000	04.004		04.000	04.000	04.000	04.000	04.000	04.005	00.000	\$22,521
	Revenue Less Gas Cost		\$3,664	\$2,988	\$2,003	\$1,631	\$1,404	\$1,288	\$1,308	\$1,268	\$1,268	\$1,683	\$1,935	\$2,082	
29	Gas Cost Revenue [2]	\$2.2091	\$6,929	\$5,097	\$2,427	\$1,418	\$802	\$489	\$541	\$434	\$434	\$1,558	\$2,241	\$2,639	\$25,009
30	Revenue Excluding Riders		\$10,594	\$8,085	\$4,430	\$3,048	\$2,205	\$1,777	\$1,849	\$1,702	\$1,702	\$3,241	\$4,175	\$4,721	\$47,530
04	Didago														
31 32	Riders: Gas Cost Uncollectible Charge	\$0.0160	\$50	\$37	\$18	\$10	\$6	\$4	\$4	\$3	\$3	\$11	\$16	\$19	\$181
33	Total Revenue		\$10,644	\$8,122	\$4,448	\$3,059	\$2,211	\$1,781	\$1,853	\$1,705	\$1,706	\$3,252	\$4,191	\$4,740	\$47,711
- 55	. O.C COVOING		ψ10,074	ψυ, 122	ψτ,τ+0	ψυ,υυσ	ΨΕ,ΕΙΙ	ψι,τΟΙ	ψι,υυυ	ψ1,700	ψ1,700	ψυ,ΖυΖ	ψ, ι J I	ψ-,, -0	ψ-τι,ι Ι Ι

^[1] Reflects Normalized Volumes. [2] Reflects Gas Cost Adjustment Rate as of March 1, 2016.

Data: __ Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 15 of 21 Witness: M. J. Bell

						Current	Annualized								
Line Rate No. Code (A)	Class/ <u>Description</u> (B)	Current Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1 GTR	GTS Choice - Residential														
2	RESIDENTIAL														
3 4 5	Customer Bills Customer Charge Accelerated Main Replacement Progra	\$15.00 \$2.25	23,720 \$355,800 \$53,370	23,785 \$356,775 \$53,516	23,786 \$356,790 \$53,519	23,694 \$355,410 \$53,312	23,612 \$354,180 \$53,127	23,386 \$350,790 \$52,619	23,238 \$348,570 \$52,286	23,223 \$348,345 \$52,252	23,179 \$347,685 \$52,153	23,188 \$347,820 \$52,173	23,458 \$351,870 \$52,781	23,677 \$355,155 \$53,273	281,946 \$4,229,190 \$634,379
6 7	Volumes (Mcf) [1] Commodity Charge	\$2.2666	364,000.0 \$825,042	353,000.0 \$800,110	265,000.0 \$600,649	151,000.0 \$342,257	71,000.0 \$160,929	34,000.0 \$77,064	24,000.0 \$54,398	23,000.0 \$52,132	25,000.0 \$56,665	39,000.0 \$88,397	111,000.0 \$251,593	247,000.0 \$559,850	1,707,000.0 \$3,869,086
8	Revenue Less Gas Cost		\$1,234,212	\$1,210,401	\$1,010,958	\$750,978	\$568,236	\$480,473	\$455,254	\$452,729	\$456,503	\$488,390	\$656,243	\$968,278	\$8,732,655
9	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Revenue Excluding Riders		\$1,234,212	\$1,210,401	\$1,010,958	\$750,978	\$568,236	\$480,473	\$455,254	\$452,729	\$456,503	\$488,390	\$656,243	\$968,278	\$8,732,655
11 12 13 14	Riders: Energy Efficiency Conservation Progra EAP Recovery Total Riders	\$0.6900 \$0.0597	\$16,367 21,731 \$38,098	\$16,412 21,074 \$37,486	\$16,412 15,821 \$32,233	\$16,349 <u>9,015</u> \$25,364	\$16,292 4,239 \$20,531	\$16,136 2,030 \$18,166	\$16,034 1,433 \$17,467	\$16,024 <u>1.373</u> \$17,397	\$15,994 <u>1,493</u> \$17,486	\$16,000 2,328 \$18,328	\$16,186 6,627 \$22,813	\$16,337 <u>14,746</u> \$31,083	\$194,543 <u>101,908</u> \$296,451
15	Total Revenue		\$1,272,310	\$1,247,887	\$1,043,190	\$776,342	\$588,767	\$498,639	\$472,721	\$470,126	\$473,989	\$506,718	\$679,056	\$999,361	\$9,029,105
16 GTO 17	GTS Choice - Commercial														
18 19 20	Customer Bills Customer Charge Accelerated Main Replacement Progra	\$37.50 \$8.02	3,837 \$143,888 \$30,773	3,809 \$142,838 \$30,548	4,093 \$153,488 \$32,826	4,081 \$153,038 \$32,730	4,058 \$152,175 \$32,545	4,042 \$151,575 \$32,417	4,016 \$150,600 \$32,208	3,956 \$148,350 \$31,727	3,924 \$147,150 \$31,470	3,899 \$146,213 \$31,270	3,877 \$145,388 \$31,094	3,853 \$144,488 \$30,901	47,445 \$1,779,188 \$380,509
21 22 23 24 25	Volumes (Mcf) [1] First 50 Mcf Next 350 Mcf Next 600 Mcf Over 1,000 Mcf		115,248.5 147,158.6 37,085.0 22,508.7 322,000.8	116,322.6 143,758.3 34,041.2 <u>17,880.3</u> 312,002.4	106,138.4 103,281.1 18,666.5 7,915.1 236,001.1	75,878.9 63,376.9 11,741.5 4,006.6 155,003.9	48,386.9 39,602.3 6,797.7 2,211.7 96,998.6	34,090.9 30,878.4 6,188.9 <u>2,841.9</u> 74,000.1	31,140.7 27,567.7 5,312.4 1,978.2 65,999.0	30,451.2 26,232.9 5,525.8 1,791.2 64,001.1	32,109.0 28,470.1 6,310.6 2,108.3 68,998.0	40,148.2 38,563.3 8,979.6 3,303.5 90,994.6	62,458.3 57,697.6 14,083.0 5,755.8 139,994.7	94,003.8 100,340.5 24,521.2 15,131.0 233,996.5	786,377.4 806,927.7 179,253.4 87,432.3 1,859,990.8
26 27 28 29	Commodity Charge First 50 Mcf Next 350 Mcf Next 600 Mcf	\$2.2666 \$1.7520 \$1.6659	\$261,222 257,822 61,780	\$263,657 251,865 56,709	\$240,573 180,948 31,097	\$171,987 111,036 19,560	\$109,674 69,383 11,324	\$77,270 54,099 10,310	\$70,584 48,299 8,850	\$69,021 45,960 9,205	\$72,778 49,880 10,513	\$91,000 67,563 14,959	\$141,568 101,086 23,461	\$213,069 175,797 40,850	\$1,782,403 1,413,737 298,618
30	Over 1,000 Mcf	\$1.5164	34,132 \$614,956	<u>27,114</u> \$599,344	12,002 \$464,621	\$308,659	3,354 \$193,735	4,309 \$145,989	3,000 \$130,732	2,716 \$126,902	3,197 \$136,368	5,009 \$178,531	<u>8,728</u> \$274,843	22,945 \$452,660	132,582 \$3,627,341
31	Revenue Less Gas Cost		\$789,616	\$772,730	\$650,934	\$494,426	\$378,455	\$329,981	\$313,540	\$306,979	\$314,988	\$356,014	\$451,324	\$628,049	\$5,787,037
32	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
33	Total Revenue		\$789,616	\$772,730	\$650,934	\$494,426	\$378,455	\$329,981	\$313,540	\$306,979	\$314,988	\$356,014	\$451,324	\$628,049	\$5,787,037

^[1] Reflects Normalized Volumes.

Current Annualized

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.2 Page 16 of 21 Witness: M. J. Bell

Line Ra No. Coo (A	de <u>Description</u>	Current Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	May-17 (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	Sep-17 (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1 GTO	GTS Choice - Industrial														
2	INDUSTRIAL														
3	Customer Bills		13	13	12	13	12	12	12	12	12	12	13	13	149
4	Customer Charge	\$37.50	\$488	\$488	\$450	\$488	\$450	\$450	\$450	\$450	\$450	\$450	\$488	\$488	\$5,588
5	Accelerated Main Replacement Progra	\$8.02	\$104	\$104	\$96	\$104	\$96	\$96	\$96	\$96	\$96	\$96	\$104	\$104	\$1,195
6	Volumes (Mcf) [1]														
7	First 50 Mcf		472.7	517.8	508.5	429.7	346.2	313.1	310.6	295.6	279.2	420.4	426.1	467.9	4,787.8
8	Next 350 Mcf		2,210.2	2,239.1	2,090.2	1,600.8	1,646.5	1,359.8	1,359.2	1,380.5	1,335.8	1,812.9	2,003.7	2,070.3	21,109.0
9	Next 600 Mcf		2,400.0	2,344.7	2,065.1	1,901.5	1,446.5	1,488.2	1,395.6	1,201.0	1,365.8	1,413.9	1,953.8	1,933.6	20,909.7
10	Over 1,000 Mcf		917.2 6,000.1	<u>898.3</u> 5,999.9	<u>1,336.1</u> 5,999.9	2,067.9 5,999.9	2,560.8 6,000.0	2,839.0 6,000.1	2,934.5 5,999.9	3,122.9 6,000.0	3,019.2 6,000.0	2,352.9 6,000.1	1,616.4 6,000.0	1,528.2 6,000.0	25,193.4 71,999.9
11	Commodity Charge														
12	First 50 Mcf	\$2.2666	\$1,071	\$1,174	\$1,153	\$974	\$785	\$710	\$704	\$670	\$633	\$953	\$966	\$1,061	\$10,852
13	Next 350 Mcf	\$1.7520	3,872	3,923	3,662	2,805	2,885	2,382	2,381	2,419	2,340	3,176	3,510	3,627	36,983
14	Next 600 Mcf	\$1.6659	3,998	3,906	3,440	3,168	2,410	2,479	2,325	2,001	2,275	2,355	3,255	3,221	34,833
15	Over 1,000 Mcf	\$1.5164	1,391	1,362	2,026	3,136	3,883	4,305	4,450	4,736	4,578	3,568	2,451	2,317	38,203
			\$10,333	\$10,365	\$10,281	\$10,082	\$9,962	\$9,876	\$9,860	\$9,825	\$9,827	\$10,052	\$10,182	\$10,226	\$120,872
16	Revenue Less Gas Cost		\$10,924	\$10,957	\$10,827	\$10,674	\$10,509	\$10,423	\$10,406	\$10,371	\$10,373	\$10,599	\$10,774	\$10,818	\$127,654
17	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18	Total Revenue		\$10,924	\$10,957	\$10,827	\$10,674	\$10,509	\$10,423	\$10,406	\$10,371	\$10,373	\$10,599	\$10,774	\$10,818	\$127,654

^[1] Reflects Normalized Volumes.

Data: Bas Type of Filin Work Paper	Data:Base Period_X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s):													6)	Schedule M-2.2 Page 17 of 21
12 Months Forecasted	orecasted					Current A	Current Annualized							Witn	Witness: M. J. Bell
Line Rate No. Code (A)	Class/ Description (B)	Current Rates (C)	<u>Jan-17</u> (D)	Feb-17 (E)	<u>Mar-17</u> (F)	Apr-17 (G)	<u>May-17</u> (H)	Jun-17 (I)	Jul-17 (J)	Aug-17 (K)	Sep-17 (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (0)	Total (P)
1 DS	GTS Delivery Service - Commercial														
7	COMMERCIAL														
6 4 7 9	Customer Bills Customer Charge Administrative Charge Accelerated Main Replacement Progra	\$1,007.05 \$55.90 \$449.59	41 \$41,289 \$2,292 \$18,433	32 \$32,226 \$1,789 \$14,387	32 \$32,226 \$1,789 \$14,387	32 \$32,226 \$1,789 \$14,387	32 \$32,226 \$1,789 \$14,387	32 \$32,226 \$1,789 \$14,387	34 \$34,240 \$1,901 \$15,286	33 \$33,233 \$1,845 \$14,836	33 \$33,233 \$1,845 \$14,836	33 \$33,233 \$1,845 \$14,836	34 \$34,240 \$1,901 \$15,286	\$60,423 \$3,354 \$26,975	428 \$431,017 \$23,925 \$192,425
7 8 9 10	Volumes (Mc) [1] First 30,000 Mcf Next 70,000 Mcf Over 100,000 Mcf		188,859.0 0.0 0.0 188,859.0	169,110.1 0.0 0.0 169,110.1	147,265.6 0.0 0.0 147,265.6	103,565.2 0.0 0.0 103,565.2	83,423.1 0.0 <u>0.0</u> 83,423.1	69,626.2 0.0 0.0 69,626.2	68,394.7 0.0 0.0 68,394.7	69,858.1 0.0 0.0 69,858.1	76,451.3 0.0 0.0 76,451.3	101,603.3 0.0 0.0 101,603.3	139,898.5 0.0 0.0 139,898.5	162,514.9 0.0 000 162,514.9	1,380,570.0 0.0 0.0 1,380,570.0
1 2 5 4 1 3 5 7	Commodity Charge First 20,000 Md Next 70,000 Mcf Over 100,000 Mcf	\$0.5443 \$0.2890 \$0.2890	\$102,796 0 0 \$102,796	\$92,047 0 \$92,047	\$80,157 0 0 \$80,157	\$56,371 0 0 \$56,371	\$45,407 0 0 \$45,407	\$37,898 0 0 <u>0</u> \$37,898	\$37,227 0 0 \$37,227	\$38,024 0 \$38,024	\$41,612 0 \$41,612	\$55,303 0 0 \$55,303	\$76,147 0 0 \$76,147	\$88,457 0 0 \$88,457	\$751,444 \$0 0 \$751,444
15	Revenue Less Gas Cost		\$164,810	\$140,448	\$128,558	\$104,772	\$93,808	\$86,299	\$88,654	\$87,938	\$91,526	\$105,217	\$127,573	\$179,209	\$1,398,811
16	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Total Revenue		\$164,810	\$140,448	\$128,558	\$104,772	\$93,808	\$86,299	\$88,654	\$87,938	\$91,526	\$105,217	\$127,573	\$179,209	\$1,398,811
18 DS	GTS Delivery Service - Industrial														
19	INDUSTRIAL														
20 22 23	Customer Bills Customer Charge Administrative Charge Accelerated Main Replacement Progra	\$1,007.05 \$55.90 \$449.59	39 \$39,275 \$2,180 \$17,534	39 \$39,275 \$2,180 \$17,534	39 \$39,275 \$2,180 \$17,534	39 \$39,275 \$2,180 \$17,534	39 \$39,275 \$2,180 \$17,534	39 \$39,275 \$2,180 \$17,534	39 \$39,275 \$2,180 \$17,534	39 \$39,275 \$2,180 \$17,534	39 \$39,275 \$2,180 \$17,534	39 \$39,275 \$2,180 \$17,534	39 \$39,275 \$2,180 \$17,534	39 \$39,275 \$2,180 \$17,534	468 \$471,299 \$26,161 \$210,408
24 25 27	Volumes (Mcf) [1] First 30,000 Mcf Next 70,000 Mcf Over 100,000 Mcf		362,633.5 157,996.0 154,280.0 674,909.5	336,268.5 151,150.0 115,160.0 602,578.5	309,008.7 145,282.0 71,150.0 525,440.7	289,709.6 110,734.0 <u>27,140.0</u> 427,583.6	275,128.8 93,864.0 0.0 368,992.8	268,134.1 71,370.0 0.0 339,504.1	242,645.5 52,470.0 0.0 295,115.5	267,869.2 74,304.0 0.0 342,173.2	280,511.7 81,150.0 0.0 361,661.7	309,636.4 118,558.0 26,162.0 454,356.4	327,494.0 143,008.0 <u>80,930.0</u> 551,432.0	334,941.4 147,898.0 90,710.0 573,549.4	3,603,981.4 1,347,784.0 565,532.0 5,517,297.4
28 30 31	Commodity Charge First 20,000 Md Next 70,000 Mcf Over 100,000 Mcf	\$0.5443 \$0.2890 \$0.2890	\$197,381 45,661 44,587 \$287,629	\$183,031 43,682 <u>33,281</u> \$259,995	\$168,193 41,987 <u>20,562</u> \$230,742	\$157,689 32,002 7,843 \$197,535	\$149,753 27,127 0 \$176,879	\$145,945 20,626 0 \$166,571	\$132,072 15,164 <u>0</u> \$147,236	\$145,801 21,474 \$167,275	\$152,683 23,452 <u>0</u> \$176,135	\$168,535 34,263 7,561 \$210,359	\$178,255 41,329 <u>23,389</u> \$242,973	\$182,309 42,743 26,215 \$251,266	\$1,961,647 389,510 163,439 \$2,514,595
32	Revenue Less Gas Cost		\$346,618	\$318,984	\$289,731	\$256,524	\$235,868	\$225,560	\$206,225	\$226,264	\$235,124	\$269,348	\$301,962	\$310,255	\$3,222,464
33	Gas Cost Revenue	\$0.0000	80	\$0	0\$	0\$	\$0	80	80	80	\$0	\$0	80	0\$	\$0
34	Total Revenue		\$346,618	\$318,984	\$289,731	\$256.524	\$235.868	\$225.560	\$206.225	\$226 DEA	¢235 124	£260 248	¢301 062	230 055	45 000 AEA

[1] Reflects Normalized Volumes.

Data: __Base Period _X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s):

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12 Months Forecasted	Forecasted					Current Annualized	nnualized							Witne	Witness: M. J. Bell
Line Rate No. Code (A)	e Class/ Description (B)	Current Rates (C)	Jan-17 (D)	Feb-17 (E)	<u>Mar-17</u> (F)	Apr-17 (G)	May-17 (H)	<u>Jun-17</u> (l)	<u>Jul-17</u> (J)	Aug-17 (K)	Sep-17 (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (0)	<u>Total</u> (P)
1 GDS	GTS Grandfathered Delivery Service - Commercial	Commercial													
7	COMMERCIAL														
w 4 rv o	Customer Bills Customer Charge Administrative Charge Accelerated Main Replacement Progrs	\$37.50 \$55.90 \$8.02	12 \$450 \$671 \$96	12 \$450 \$671 \$96	12 \$450 \$671 \$96	12 \$450 \$671 \$96	12 \$450 \$671 \$96	12 \$450 \$671 \$96	12 \$450 \$671 \$96	12 \$450 \$671 \$96	12 \$450 \$671 \$96	12 \$450 \$671 \$96	13 \$48 \$727 \$104	12 \$450 \$671 \$96	145 \$5,438 \$8,106 \$1,163
7 8 9 01 11	Volumes (Mcf) [1] First 50 Mcf Next 350 Mcf Next 600 Mcf Over 1,000 Mcf		600.0 4,200.0 7,070.0 13,932.9 25,802.9	600.0 4,200.0 6,882.7 13,803.3 25,486.0	600.0 4,200.0 6,964.3 10,302.3 22,066.6	600.0 4,182.5 6,167.1 <u>5,333.3</u> 16,282.9	600.0 4,127.0 6,270.1 4,075.8	600.0 4,044.2 4,699.5 1,525.9 10.869.6	600.0 3,998.9 5,144.3 2,402.3 12,145.5	600.0 3,891.4 4,257.5 1,889.0 10.637.9	600.0 4,069.2 4,801.3 1,772.2	600.0 4,045.0 6,031.9 3,743.8	550.0 3,850.0 6,494.6 7,560.9 18,455.5	600.0 4,200.0 6,960.4 9.386.9	7,150.0 49,008.2 71,743.7 75,728.6 203,630.5
21 E 1 T E 1 S E 1	Commodity Charge First 50 Mcf Next 350 Mcf Next 600 Mcf Over 1,000 Mcf	\$2.2666 \$1.7520 \$1.6659 \$1.5164	\$1,360 7,358 11,778 21,128	\$1,360 7,358 11,466 20,931	\$1,360 7,358 11,602 15,622	\$1,360 7,328 10,274 8,087	\$1,360 7,231 10,445 6.181	\$1,360 7,085 7,829 2.314	\$1,360 7,006 8,570 3,643	\$1,360 6,818 7,093 2,864	\$1,360 7,129 7,998 2,687	\$1,360 7,087 10,049 5,677	\$1,247 6,745 10,819 11,465	\$1,360 7,358 11,595 14,234	\$16,206 85,862 119,518
			\$41,624	\$41,116	\$35,943	\$27,049	\$25,216	\$18,588	\$20,579	\$18,135	\$19,175	\$24,172	\$30,277	\$34,548	\$336,421
17	Revenue Less Gas Cost		\$42,841	\$42,333	\$37,160	\$28,266	\$26,433	\$19,805	\$21,796	\$19,352	\$20,392	\$25,389	\$31,595	\$35,765	\$351,127
18	Gas Cost Revenue	\$0.0000	0\$	0\$	0\$	0\$	0\$	0\$	\$0	\$0	\$0	0\$	\$0	0\$	\$0
19	Total Revenue		\$42,841	\$42,333	\$37,160	\$28,266	\$26,433	\$19,805	\$21,796	\$19,352	\$20,392	\$25,389	\$31,595	\$35,765	\$351,127
20 GDS	GTS Grandfathered Delivery Service - Industrial	ndustrial													
21	INDUSTRIAL														
25 22 25 25 25 25 25 25 25 25 25 25 25 2	Customer Bills Customer Charge Administrative Charge Accelerated Main Replacement Progra	\$37.50 \$55.90 \$8.02	15 \$563 \$839 \$120	15 \$563 \$839 \$120	15 \$563 \$839 \$120	15 \$563 \$839 \$120	15 \$563 \$839 \$120	15 \$563 \$839 \$120	15 \$563 \$839 \$120	15 \$563 \$839 \$120	15 \$563 \$839 \$120	15 \$563 \$839 \$120	15 \$563 \$839 \$120	15 \$563 \$839 \$120	180 \$6,750 \$10,062 \$1,444
26 27 30 30	Volumes (Wcf) [1] First 50 Mcf Next 350 Mcf Next 350 Mcf Next 600 Mcf Over 1,000 Mcf		609.9 3,896.3 5,621.7 7,716.4	622.4 3,965.4 5,802.3 6439.2	750.0 4,483.7 6,622.1 <u>7,195.5</u>	735.6 4,484.4 5,166.4 14,067.2	694.2 3,857.7 4,115.7 4,450.7 13,118.3	473.6 2,799.5 2,754.1 2,848.5 8,875.7	460.0 2,736.4 2,958.6 1,893.4 8,048.4	510.6 3,003.2 3,457.3 2,095.7 9,066.8	530.3 2,907.0 3,411.2 2,937.8	604.5 3,132.7 3,405.2 2,954.3 10,096.7	606.1 3,912.5 4,279.4 3,905.0	666.9 4,183.5 5,280.7 4,849.5 14,980.6	7,264.1 43,362.3 52,874.7 50,966.8 154 467.9
33 33 33	Commodity Charge First 50 Mcf Next 350 Mcf Next 600 Mcf	\$2.2666 \$1.7520 \$1.6659	\$1,382 6,826 9,365	\$1,411 6,947 9,666	\$1,700 7,855 11,032	\$1,667	\$1,573 6,759 6,856	\$1,073 4,905 4,588	\$1,043 4,794 4,929	\$1,157 5,262 5,760	\$1,202 5,093 5,683	\$1,370 5,488 5,673	\$1,374 6,855 7,129	\$1,512 7,329 8,797	\$16,465 75,971 88,084
8	000 NG	÷010:14	\$29,275	\$27,789	\$31,498	\$23,712	\$21,938	\$14,886	\$13,637	\$15,356	\$16,433	\$17,011	\$21,279	\$24,992	\$257,806
36	Revenue Less Gas Cost		\$30,796	\$29,310	\$33,020	\$25,234	\$23,459	\$16,407	\$15,158	\$16,878	\$17,954	\$18,533	\$22,800	\$26,513	\$276,061
37	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
38	Total Revenue		\$30,796	\$29,310	\$33,020	\$25,234	\$23,459	\$16,407	\$15,158	\$16,878	\$17,954	\$18,533	\$22,800	\$26,513	\$276,061

KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

Data: __ Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

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		ccasicu					Current A	Annualized								
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Current Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1 0	S3	GTS Main Line Service - Industrial														
2		INDUSTRIAL														
3		Customer Bills	****	3	3	3	3 \$600	36 \$7,200								
4 5		Customer Charge Administrative Charge	\$200.00 \$55.90	\$600 \$168	\$600 \$168	\$600 \$168	\$168	\$168	\$168	\$168	\$168	\$168	\$168	\$168	\$168	\$2,012
6 7		Volumes (Mcf)[1] Commodity Charge	\$0.0858	58,289.0 \$5,001	56,724.0 \$4,867	56,724.0 \$4,867	57,213.0 \$4,909	57,995.0 \$4,976	58,484.0 \$5,018	55,942.0 \$4,800	54,866.0 \$4,708	55,746.0 \$4,783	58,093.0 \$4,984	57,604.0 \$4,942	53,301.0 \$4,573	680,981.0 \$58,428
8		Revenue Less Gas Cost		\$5,769	\$5,635	\$5,635	\$5,677	\$5,744	\$5,786	\$5,568	\$5,475	\$5,551	\$5,752	\$5,710	\$5,341	\$67,641
9		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10		Total Revenue		\$5,769	\$5,635	\$5,635	\$5,677	\$5,744	\$5,786	\$5,568	\$5,475	\$5,551	\$5,752	\$5,710	\$5,341	\$67,641
11 F	FX1	GTS Flex Rate - Commercial														
12		COMMERCIAL														
13 14 15		Customer Bills Customer Charge Administrative Charge	\$1,007.05 \$55.90	1 \$1,007 \$56	12 \$12,085 \$671											
16 17		Volumes (Mcf) [1] Commodity Charge	\$0.3900	74,328.0 \$28,988	58,680.0 \$22,885	70,416.0 \$27,462	34,230.0 \$13,350	29,340.0 \$11,443	29,340.0 \$11,443	29,340.0 \$11,443	29,340.0 \$11,443	34,230.0 \$13,350	39,120.0 \$15,257	49,878.0 \$19,452	63,570.0 \$24,792	541,812.0 \$211,307
18		Revenue Less Gas Cost		\$30,051	\$23,948	\$28,525	\$14,413	\$12,506	\$12,506	\$12,506	\$12,506	\$14,413	\$16,320	\$20,515	\$25,855	\$224,062
19		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20		Total Revenue		\$30,051	\$23,948	\$28,525	\$14,413	\$12,506	\$12,506	\$12,506	\$12,506	\$14,413	\$16,320	\$20,515	\$25,855	\$224,062
21 F	FX2	GTS Flex Rate - Commercial														
22		COMMERCIAL														
23 24		Customer Bills Customer Charge	\$1,007.05	1 \$1,007 \$56	1 \$1,007	1 \$1,007	1 \$1,007 \$56	12 \$12,085 \$671								
25		Administrative Charge	\$55.90		\$56	\$56			• • • •	• • • •	•	• • • •			,	
26 27		Volumes (Mcf) [1] Commodity Charge	\$0.3900	44,010.0 \$17,164	56,724.0 \$22,122	33,252.0 \$12,968	47,922.0 \$18,690	37,164.0 \$14,494	37,164.0 \$14,494	39,120.0 \$15,257	37,164.0 \$14,494	41,076.0 \$16,020	50,856.0 \$19,834	54,768.0 \$21,360	54,768.0 \$21,360	533,988.0 \$208,255
28		Revenue Less Gas Cost		\$18,227	\$23,185	\$14,031	\$19,753	\$15,557	\$15,557	\$16,320	\$15,557	\$17,083	\$20,897	\$22,422	\$22,422	\$221,011
29		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30		Total Revenue		\$18,227	\$23,185	\$14,031	\$19,753	\$15,557	\$15,557	\$16,320	\$15,557	\$17,083	\$20,897	\$22,422	\$22,422	\$221,011

Data: __Base Period _X_Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

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						Current A	Annualized								
Line Rate No. Code (A)	Class/ <u>Description</u> (B)	Current Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	Sep-17 (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (O)	Total (P)
1 FX5	GTS Flex Rate - Industrial														
2	INDUSTRIAL														
3	Customer Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
4	Customer Charge	\$200.00	\$600	\$600	\$600	\$600	\$600	\$600	\$600	\$600 \$168	\$600 \$168	\$600 \$168	\$600 \$168	\$600 \$168	\$7,200 \$2,012
5	Administrative Charge	\$55.90	\$168	\$168	\$168	\$168	\$168	\$168	\$168	\$168	\$168	\$168	\$168		
6	Volumes (Mcf) [1]		411,738.0	369,684.0	397,068.0	381,420.0	392,178.0	381,420.0	392,178.0	392,178.0	381,420.0	397,068.0	391,200.0	401,958.0	4,689,510.0
7	Commodity Charge	\$0.0858	\$35,327	\$31,719	\$34,068	\$32,726	\$33,649	\$32,726	\$33,649	\$33,649	\$32,726	\$34,068	\$33,565	\$34,488	\$402,360
8	Revenue Less Gas Cost		\$36,095	\$32,487	\$34,836	\$33,494	\$34,417	\$33,494	\$34,417	\$34,417	\$33,494	\$34,836	\$34,333	\$35,256	\$411,572
9	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Total Revenue		\$36,095	\$32.487	\$34.836	\$33,494	\$34,417	\$33,494	\$34,417	\$34,417	\$33,494	\$34.836	\$34.333	\$35,256	\$411,572
11 FX7 12	GTS Flex Rate - Industrial INDUSTRIAL														
13	Customer Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
14	Customer Charge	\$1,007.05	\$1,007	\$1,007	\$1,007	\$1,007	\$1,007	\$1,007	\$1,007	\$1,007	\$1,007	\$1,007	\$1,007	\$1,007	\$12,085
15	Administrative Charge	\$55.90	\$56	\$56	\$56	\$56	\$56	\$56	\$56	\$56	\$56	\$56	\$56	\$56	\$671
16	Volumes (Mcf) [1]													_	
17	First 25,000 Mcf		25,000.0	25,000.0	25,000.0	25,000.0	25,000.0	25,000.0	25,000.0	25,000.0	25,000.0 20,000.0	25,000.0 20,000.0	25,000.0 14,555.0	25,000.0 14,979.0	300,000.0 120,000.0
18	Over 25,000 Mcf		19,077.0 44,077.0	1,389.0 26,389.0	5,000.0 30,000.0	5,000.0 30,000.0	<u>5,000.0</u> 30,000.0	<u>5,000.0</u> 30,000.0	5,000.0 30,000.0	5,000.0 30,000.0	45,000.0	45,000.0	39,555.0	39,979.0	420,000.0
19	Commodity Charge									_					
20	First 25,000 Mcf	\$0.4900	\$12,250	\$12,250	\$12,250	\$12,250	\$12,250	\$12,250	\$12,250	\$12,250	\$12,250	\$12,250	\$12,250	\$12,250	\$147,000
21	Over 25,000 Mcf	\$0.2700	<u>5,151</u> \$17,401	375 \$12,625	1,350 \$13,600	1,350 \$13,600	1,350 \$13,600	1,350 \$13,600	1,350 \$13,600	1,350 \$13,600	<u>5,400</u> \$17,650	<u>5,400</u> \$17,650	3,930 \$16,180	4,044 \$16,294	32,400 \$179,400
22	Revenue Less Gas Cost		\$18,464	\$13,688	\$14,663	\$14,663	\$14,663	\$14,663	\$14,663	\$14,663	\$18,713	\$18,713	\$17,243	\$17,357	\$192,155
23	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total Revenue		\$18,464	\$13.688	\$14.663	\$14,663	\$14.663	\$14.663	\$14.663	\$14,663	\$18,713	\$18,713	\$17,243	\$17,357	\$192,155

Data: __Base Period_X_Forecasted Period Type of Filing: X Original_Update_Revised Work Paper Reference No(s): 12 Months Forecasted

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1. 1. 1. 1. 1. 1. 1. 1.	12 Months Forecasted	Forecasted					Current A	Current Annualized							Witn	Witness: M. J. Bell
Convergency Service Convergency Service Convergency Service State St			Current Rates (C)	<u>Jan-17</u> (D)	Feb-17 (E)	<u>Mar-17</u> (F)	Apr-17 (G)	<u>Мау-17</u> (H)	<u>Jun-17</u> (l)	<u>Jul-17</u> (J.)	Aug-17 (K)	Sep-17 (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (0)	<u>Total</u> (P)
Commercial Line Cutation Early Cutation Early Earl	1 SAS	GTS Special Agency Service														
Continue Biks Continue Bik	2	COMMERCIAL														
Figure Part Figure Part Figure Figur	6440	Customer Bills Customer Charge Administrative Charge Accelerated Main Replacement Progra	₹ ,	0 \$\$	0 0 \$	0 \$ \$ \$	0 \$0\$	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 \$\$	0 \$ 0\$	0 \$ 0\$	0 \$0\$	0 0 0 0 9	0 \$\$	0 \$ \$ \$
Commodity Change Signature C	7 8 9 10	Volumes (Mcf) (1) First 30,000 Mcf Next 70,000 Mcf Over 100,000 Mcf		0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0	0.0 0.0 0.0	0:0 0:0 0:0	0:0 0:0 0:0	0:0000000000000000000000000000000000000	0:0	0.0000000000000000000000000000000000000	0:0 0:0 0:0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
Total Revenue S50,0000 S9 S9 S9 S9 S9 S9 S9	t 2 t t t	Commodity Charge Fints 20,000 Mid Next 70,000 Midf Over 100,000 Midf	\$0.5443 \$0.2890 \$0.2890	0 0 0 0 0 0 0 0	0000	0000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	g o ol g	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O O	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 \$	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Total Revenue \$0,0000 \$0 \$0 \$0 \$0 \$0 \$0	15	Revenue Less Gas Cost		\$0	\$0	0\$	\$0	\$0	\$0	\$0	0\$	\$0	0\$	\$0	\$0	0\$
Total Revenue SO SO SO SO SO SO SO S	16	Gas Cost Revenue	\$0.000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0\$	\$0	\$0	\$0
NDUSTRIAL 1	17	Total Revenue		\$0	\$0	\$0	\$0	0\$	\$0	\$0	\$0	\$0	0\$	\$0	\$0	\$0
NDUSTRIAL Customer Bills	18 SC3	GTS Special Rate - Industrial														
Customer Bils \$1,007 05 \$1,007 <	19	INDUSTRIAL														
Volumes (McI) [1] First 150,000 McI 150,000.0 150,000.0 140,000.0 120,000.0 130,000.0	25 22	Customer Bills Customer Charge Administrative Charge	\$1,007.05 \$55.90	1 \$1,007 \$56	1 \$1,007 \$56	1 \$1,007 \$56	1 \$1,007 \$56	1 \$1,007 \$56	1 \$1,007 \$56	1 \$1,007 \$56	1 \$1,007 \$56	1 \$1,007 \$56	1 \$1,007 \$56	1 \$1,007 \$56	1 \$1,007 \$56	12 \$12,085 \$671
Commodify Charge \$0.2900 \$443,500 \$40,600 \$37,700	23 25	Volunes (Mcf) [1] First 150,000 Mcf Over 150,000 Mcf		150,000.0 15,000.0 165,000.0	150,000.0 <u>5,000.0</u> 155,000.0	140,000.0 0.0 140,000.0	140,000.0 (12,000.0) 128,000.0	130,000.0 (19,000.0) 111,000.0	130,000.0 (28,000.0) 102,000.0	130,000.0 (28,000.0) 102,000.0	130,000.0 (28,000.0) 102,000.0	130,000.0 (10,000.0) 120,000.0	130,000.0 15,000.0 145,000.0	140,000.0 10,000.0 150,000.0	150,000.0 10,000.0 160,000.0	1,650,000.0 (70,000.0) 1,580,000.0
Revenue Less Gas Cost \$46,963 \$41,663 \$41,663 \$39,743 \$35,723 \$34,283 \$34,283 \$37,163 Adjustment to reflect Minimum Bill \$0 \$0 \$0 \$0 \$0 \$0 Total Revenue \$46,963 \$46,963 \$41,663 \$39,743 \$34,283 \$34,283 \$34,283 \$37,163	26 27 28	Commodity Charge First 150,000 Mcf Over 150,000 Mcf	\$0.2900	\$43,500 <u>2.400</u> \$45,900	\$43,500 <u>800</u> \$44,300	\$40,600 \$40,600	\$40,600 (1,920) \$38,680	\$37,700 (3,040) \$34,660	\$37,700 (4,480) \$33,220	\$37,700 (4,480) \$33,220	\$37,700 (4,480) \$33,220	\$37,700 (1,600) \$36,100	\$37,700 <u>2,400</u> \$40,100	\$40,600 1,600 \$42,200	\$43,500 1,600 \$45,100	\$478,500 (11,200) \$467,300
Adjustment to reflect Minimum Bill \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	59	Revenue Less Gas Cost		\$46,963	\$45,363	\$41,663	\$39,743	\$35,723	\$34,283	\$34,283	\$34,283	\$37,163	\$41,163	\$43,263	\$46,163	\$480,055
Total Revenue \$46,963 \$45,363 \$41,663 \$39,743 \$35,723 \$34,283 \$34,283 \$37,163	30	Adjustment to reflect Minimum Bill		\$0	\$0	\$0	\$0	\$	\$0	\$0	\$0	\$0	0\$	\$0	\$185,945	\$185,945
	31	Total Revenue		\$46,963	\$45,363	\$41,663	\$39,743	\$35,723	\$34,283	\$34,283	\$34,283	\$37,163	\$41,163	\$43,263	\$232,108	\$666,000

DO NOT FILE	Residential 1	Tariff												
	ပ္ပ	1,489,613	1,492,373	1,493,408	1,493,108	1,485,878	1,471,688	1,458,863	1,464,533	1,454,963	1,454,603	1,470,143	1,484,153	17,713,320
	Amrp	223,400	223,814	223,970	223,925	222,840	220,712	218,788	219,638	218,203	218,149	220,480	222,581	2,656,499
	Vol Rec	3,020,515	2,927,749	2,195,939	1,253,041	589,104	280,977	201,657	194,887	201,655	321,626	926,591	2,055,289	14,169,028

2,943,228 68,509 21,311 79,515 7,846,191 ff 382,933 81,860 1,282,118 1,460,319 1,460,319 1,460,319 1,460,319 1,460,319 1,572 3,217,803 1,613 345 53,764 72,901 528 129,150 954 2,556 6,929 10,644 11,875,112 305,759 4,358,953 4,483,478 68,509 4,858,953 4,483,478 68,509	2,853,048 68,636 620,658 77,082 7,663,360 385,333 82,373 1,279,707 1,447,923 10,481 3,205,818 1,613 345 51,973 70,691 512 125,133 954 154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	2,139,916 68,684 15,494 57,814 6,195,224 376,540 80,481 913,104 1,010,046 7,310 2,387,481 1,613 345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650 68,684	1,221,032 68,670 8,841 32,987 4,301,603 375,340 80,224 560,622 612,970 4,437 1,633,593 1,613 345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059	574,051 68,338 4,156 15,509 2,959,875 370,803 79,254 274,062 2,97,232 2,152 1,023,502 11,613 345 46,324 63,623 461 112,365 954 154 296 802 6 2,211	273,806 67,885 1,983 7,398 2,324,247 366,978 78,436 166,245 178,355 178,355 353 44,392 61,302 4444 108,141 954 1,781 1,841,269 299,654 491,795	196,509 67,095 1,423 5,309 2,149,642 367,090 78,460 119,021 125,383 908 690,861 1,650 353 44,391 61,302 444 108,140 954 1,853	189,913 67,356 1,375 5,131 2,142,831 366,546 78,355 111,058 116,646 845 673,450 1,688 361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	196,502 66,916 1,423 5,309 2,144,969 365,383 78,107 109,360 114,453 461,39 63,512 460 112,114 954 160 434 43 3 1,706	313,366 66,899 2,269 8,465 2,385,375 366,621 78,371 160,601 170,468 1,234 777,295 1,650 353 49,591 494 120,238 954 154 575 1,558 111 3,252	902,863 67,614 6,537 24,390 3,618,616 371,983 79,518 348,606 378,019 2,737 1,180,863 1,650 353 49,948 68,261 494 120,707	2,002,761 68,258 14,500 54,104 5,901,645 378,021 80,810 837,423 936,202 6,777 2,239,232 1,650 353 50,324 496 121,305 954 154 974 2,639 19 4,740	13,807,095 814,660 99,969 373,010 49,633,580 4,473,571 956,249 6,161,926 6,848,018 49,571 18,489,335 19,650 4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	49,533,61
68,509 21,311 79,515 7,846,191 ff 382,933 81,860 1,282,118 1,460,319 10,572 3,217,803 1,613 345 53,764 72,901 528 129,150 954 154 2,556 6,929 50 10,644 1,644 2,556 6,929 50 10,644	68,636 20,658 27,082 7,663,360 385,333 82,373 1,279,707 1,447,923 10,481 3,205,818 1,613 345 51,973 70,691 125,133 954 1,880 5,097 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	68,884 15,494 57,814 6,195,224 376,540 80,481 913,104 1,010,046 7,310 2,387,481 1,613 345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448	68,670 8,841 32,987 4,301,603 375,340 80,224 560,622 612,970 1,633,593 1,613 345 48,488 65,831 116,753 954 154 523 1,418 10 3,059	68,338 4,15509 2,959,875 370,803 79,254 274,062 297,232 2,152 1,023,502 1,613 345 46,324 63,623 461 112,365 954 154 296 802 6 2,211 1,859,247 302,592 909,785	67,685 1,988 1,988 2,324,247 366,978 78,436 166,245 178,355 1,291 791,305 1,650 353 44,392 61,302 61,302 444 108,141 180 489 489 41,781	67,095 1,423 5,309 2,149,642 367,090 78,460 119,021 125,383 908 690,861 1,650 353 344,391 61,302 444 108,140 954 1,853	67,356 1,375 5,131 2,142,831 366,546 78,355 111,058 116,646 845 673,450 1,688 361 46,144 463,512 460 112,165 954 154 160 434 434 1,705	66,916 1,423 5,309 2,144,969 365,383 78,107 109,360 114,453 8299 668,133 1,650 353,12 460 112,114 954 154 160 434 3 1,706	66,899 2,269 8,465 2,385,375 366,621 78,371 160,601 170,468 1,234 777,295 1,650 353 49,591 68,151 494 120,238 954 154 575 1,558 11 3,252	67,614 6,537 24,390 3,618,616 371,983 79,518 348,606 378,019 2,737 1,180,863 1,650 353 49,948 68,261 494 120,707 954 154 154 154 154 154 154 154 154 154 1	68,258 14,500 54,104 5,901,645 378,021 80,810 837,423 936,202 6,777 2,239,232 1,650 353 50,324 68,482 496 121,305 954 154 154 154 174 2,639 19 4,740	814,660 99,969 973,010 49,633,580 4,473,571 956,249 6,161,926 6,848,018 49,571 18,489,335 19,650 4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	49,533,61
21,311 79,515 79,515 79,515 79,646,191 Iff 382,933 81,860 1,282,118 1,460,319 10,572 3,217,803 1,613 345 53,764 72,901 528 129,150 954 154 2,556 6,929 50 10,644 1,875,112 305,769 4,483,478	20,658 77,082 7,663,360 385,333 82,373 1,279,707 1,447,923 10,481 3,205,818 1,613 345 51,973 70,691 512 125,133 954 1,54 1,880 1,54 1,880 1,80 1,	15,494 57,814 6,195,224 376,540 80,481 913,104 1,010,046 7,310 2,387,481 1,613 345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	8,841 32,987 4,301,603 375,340 80,224 560,622 612,970 4,437 1,633,593 1,613 345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059	4,156 15,509 2,959,875 370,803 79,254 274,062 297,232 2,152 1,023,502 1,613 345 46,324 461 112,365 954 154 296 802 6 2,211	1,983 7,398 2,324,247 366,978 78,436 166,245 179,355 1,291 791,305 1,650 353 44,392 444 108,141 180 489 4 1,781	1,423 5,309 2,149,642 367,090 78,460 119,021 125,383 908 690,861 1,650 353 44,391 161,302 444 108,140 954 1,54 200 541 4,853	1,375 5,131 2,142,831 366,546 78,355 111,058 116,646 845 673,450 1,688 361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	1,423 5,309 2,144,969 365,383 78,107 109,360 114,453 829 668,133 1,650 353 46,139 63,512 460 112,114 954 154 160 434 3 1,706	2,269 8,465 2,385,375 366,621 78,371 160,601 170,468 1,234 777,295 1,650 353 49,591 68,151 494 120,238 954 154 575 1,558 11 3,252	6,537 24,390 3,618,616 371,983 79,518 348,606 378,019 2,737 1,180,863 1,650 353 49,948 68,261 494 120,707 954 154 827 2,241 16 4,191	14,500 5,901,645 378,021 80,810 837,423 936,202 6,777 2,239,232 1,650 353 50,324 68,482 496 121,305 954 154 974 2,639 19 4,740	99,963 373,010 49,633,580 4,473,571 956,249 6,161,926 6,848,018 49,571 18,489,335 19,650 4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	49,533,611
79,515 7,846,191 ff 382,933 81,860 1,282,118 1,460,319 10,572 3,217,803 1,613 345 53,764 72,901 528 129,150 954 154 2,556 6,929 50 10,644 1,875,112 305,759 4,358,953	77,082 7,663,360 385,333 82,373 1,279,707 1,447,923 10,481 3,205,818 1,613 345 51,973 70,691 125,133 954 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	57,814 6,195,224 376,540 80,481 913,104 1,010,046 7,310 2,387,481 1,613 345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448	32,987 4,301,603 375,340 80,224 560,622 612,970 4,437 1,633,593 1,613 345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059	15,509 2,959,875 370,803 79,254 274,062 297,232 2,152 1,023,502 1,613 345 46,324 63,623 461 112,365 954 154 296 802 6 2,211 1,859,247 302,592 909,785	7,398 2,324,247 366,978 78,436 166,245 178,355 1,291 791,305 1,650 353 44,392 61,302 444 108,141 180 489 4 1,781	5,309 2,149,642 367,090 78,460 119,021 125,383 908 690,861 1,650 353 44,391 61,302 444 108,140 954 1,853	5,131 2,142,831 366,546 78,355 111,058 116,646 845 673,450 1,688 361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	5,309 2,144,969 365,383 78,107 109,360 114,453 668,133 1,650 353 46,139 63,512 460 112,114 954 154 160 434 3 1,706	8,465 2,385,375 366,621 78,371 160,601 170,468 1,234 777,295 1,650 353 49,591 68,151 494 120,238 954 154 575 1,558 11 3,252	24,390 3,618,616 371,983 79,518 348,606 378,019 2,737 1,180,863 1,650 353 49,948 68,261 494 120,707 954 154 827 2,241 16 4,191	54,104 5,901,645 378,021 80,810 837,423 936,202 6,777 2,239,232 1,650 353 50,324 68,482 496 121,305 954 154 974 2,639 19 4,740	373,010 49,633,580 4,473,571 956,249 6,161,926 6,848,018 49,571 18,489,335 19,650 4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	49,533,611
7,846,191 ff 382,933 81,860 1,282,118 1,460,319 10,572 3,217,803 1,613 345 72,901 528 129,150 954 154 2,556 6,929 50 10,644 1,875,112 305,759 4,483,478	7,663,360 385,333 82,373 1,279,707 1,447,923 10,481 3,205,818 1,613 345 51,973 70,691 512 125,133 954 154 1,880 5,097 37 8,122	6,195,224 376,540 80,481 913,104 1,010,046 7,310 2,387,481 1,613 345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	4,301,603 375,340 80,224 560,622 612,970 4,437 1,633,593 1,613 345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	2,959,875 370,803 79,254 274,062 297,232 2,152 1,023,502 1,613 3,461 112,365 954 154,324 63,623 461 112,365 954 154,324 296 802 6 2,211 1,859,247 302,592 909,785	2,324,247 366,978 78,436 166,245 178,355 1,291 791,305 1,650 353 44,392 61,302 4444 108,141 954 154 180 489 4 1,781	2,149,642 367,090 78,460 119,021 125,383 908 690,861 1,650 353 44,391 61,302 4444 108,140 954 154 200 541 4,1,853	2,142,831 366,546 78,355 111,058 116,646 845 673,450 1,688 361 46,144 463,512 460 112,165 954 154 160 434 3 1,705	2,144,969 365,383 78,107 109,360 114,453 829 668,133 1,650 353 46,139 63,512 460 112,114 954 154 160 434 3 1,706	2,385,375 366,621 78,371 160,601 170,468 1,234 777,295 1,650 353 49,591 68,151 494 120,238 954 154 575 1,558 11 3,252	3,618,616 371,983 79,518 348,606 378,019 2,737 1,180,863 1,650 353 49,948 68,261 494 120,707 954 154 154 4,191	5,901,645 378,021 80,810 837,423 936,202 6,777 2,239,232 1,650 353 50,324 68,482 496 121,305 954 154 974 2,639 19 4,740	49,633,580 4,473,571 956,249 6,161,926 6,848,018 49,571 18,489,335 19,650 4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	49,533,611
382,933 81,860 1,282,118 1,460,319 10,572 3,217,803 1,613 345 53,764 72,901 528 129,150 954 154 2,556 6,929 50 10,644	82,373 1,279,707 1,447,923 10,481 3,205,818 1,613 345 51,973 70,691 512 125,133 954 154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	80,481 913,104 1,010,046 7,310 2,387,481 1,613 345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448	80,224 560,622 612,970 4,437 1,633,593 1,613 345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	79,254 274,032 297,232 2,152 1,023,502 1,613 345 46,324 63,623 461 112,365 954 154 296 802 6 2,211	78,436 166,245 178,355 1,291 791,305 1,650 353 44,392 61,302 444 108,141 1954 1,781 1,841,269 299,654	78.460 119,021 125,383 908 690,861 1,650 353 44,391 61,302 444 108,140 954 1,823 1,828,557 297,754	78,355 111,058 1116,646 845 673,450 1,688 361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	78,107 109,360 114,453 829 668,133 1,650 353 46,139 63,512 460 112,114 954 1,60 434 3 1,706	78,371 160,601 170,468 1,234 777,295 1,650 353 49,591 68,151 494 120,238 954 154 575 1,558 111 3,252	79,518 348,606 378,019 2,737 1,180,863 1,650 353 49,948 68,261 494 120,707 954 154 827 2,241 16 4,191	80,810 837,423 936,202 6,777 2,239,232 1,650 353 50,324 68,482 496 121,305 954 154 974 2,639 19 4,740	956,249 6,161,926 6,848,018 49,571 18,489,335 19,650 4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
382,933 81,860 1,282,118 1,460,319 10,572 3,217,803 1,613 345 53,764 72,901 528 129,150 954 154 2,556 6,929 50 10,644	82,373 1,279,707 1,447,923 10,481 3,205,818 1,613 345 51,973 70,691 512 125,133 954 154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	80,481 913,104 1,010,046 7,310 2,387,481 1,613 345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448	80,224 560,622 612,970 4,437 1,633,593 1,613 345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	79,254 274,032 297,232 2,152 1,023,502 1,613 345 46,324 63,623 461 112,365 954 154 296 802 6 2,211	78,436 166,245 178,355 1,291 791,305 1,650 353 44,392 61,302 444 108,141 1954 1,781 1,841,269 299,654	78.460 119,021 125,383 908 690,861 1,650 353 44,391 61,302 444 108,140 954 1,823 1,828,557 297,754	78,355 111,058 1116,646 845 673,450 1,688 361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	78,107 109,360 114,453 829 668,133 1,650 353 46,139 63,512 460 112,114 954 1,60 434 3 1,706	78,371 160,601 170,468 1,234 777,295 1,650 353 49,591 68,151 494 120,238 954 154 575 1,558 111 3,252	79,518 348,606 378,019 2,737 1,180,863 1,650 353 49,948 68,261 494 120,707 954 154 827 2,241 16 4,191	80,810 837,423 936,202 6,777 2,239,232 1,650 353 50,324 68,482 496 121,305 954 154 974 2,639 19 4,740	956,249 6,161,926 6,848,018 49,571 18,489,335 19,650 4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
81,860 1,282,118 1,460,319 10,572 3,217,803 1,613 345 53,764 72,901 528 129,150 954 154 2,556 6,929 50 10,644 1,875,112 305,759 4,483,478	82,373 1,279,707 1,447,923 10,481 3,205,818 1,613 345 51,973 70,691 512 125,133 954 154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	80,481 913,104 1,010,046 7,310 2,387,481 1,613 345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448	80,224 560,622 612,970 4,437 1,633,593 1,613 345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	79,254 274,032 297,232 2,152 1,023,502 1,613 345 46,324 63,623 461 112,365 954 154 296 802 6 2,211	78,436 166,245 178,355 1,291 791,305 1,650 353 44,392 61,302 444 108,141 1954 1,781 1,841,269 299,654	78.460 119,021 125,383 908 690,861 1,650 353 44,391 61,302 444 108,140 954 1,823 1,828,557 297,754	78,355 111,058 1116,646 845 673,450 1,688 361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	78,107 109,360 114,453 829 668,133 1,650 353 46,139 63,512 460 112,114 954 1,60 434 3 1,706	78,371 160,601 170,468 1,234 777,295 1,650 353 49,591 68,151 494 120,238 954 154 575 1,558 111 3,252	79,518 348,606 378,019 2,737 1,180,863 1,650 353 49,948 68,261 494 120,707 954 154 827 2,241 16 4,191	80,810 837,423 936,202 6,777 2,239,232 1,650 353 50,324 68,482 496 121,305 954 154 974 2,639 19 4,740	956,249 6,161,926 6,848,018 49,571 18,489,335 19,650 4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
1,282,118 1,460,319 10,572 3,217,803 1,613 345 53,764 72,901 528 129,150 954 154 2,556 6,929 50 10,644 1,875,112 305,759 4,483,478 4,483,478	1,279,707 1,447,923 10,481 3,205,818 1,613 345 51,973 70,891 125,133 954 154 1,880 5,097 3,7 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	913,104 1,010,046 7,310 2,387,481 1,613 345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	560,622 612,970 4,437 1,633,593 1,613 345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059	274,062 297,235 2,152 1,023,502 1,613 345 46,324 63,623 461 112,365 954 1,54 296 802 6 2,211 1,859,247 302,592 909,785	166,245 178,355 1,291 791,305 1,650 353 44,392 61,302 444 108,141 954 1,54 180 489 4 1,781	119,021 125,389 908 690,861 1,650 353 344,391 61,302 444 108,140 954 154 200 541 4 1,853	111,058 116,646 845 673,450 1,688 361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	109,360 114,452 668,133 1,650 353 46,139 63,512 460 112,114 954 154 160 434 3 1,706	160,601 170,468 1,234 777,295 1,650 353 49,591 68,151 494 120,238 954 154 575 1,558 11 3,252	348,606 378,019 2,737 1,180,863 1,650 353 49,948 68,261 494 120,707 954 154 827 2,241 16 4,191	837,423 936,202 6,777 2,239,232 1,650 353 50,324 68,482 496 121,305 954 154 974 2,639 19 4,740	6,161,926 6,848,018 49,571 18,489,335 19,650 4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
1,460,319 10,572 3,217,803 1,613 345 53,764 72,901 528 129,150 954 154 2,556 6,929 50 10,644 1,875,112 305,759 4,483,478	1,447,923 10,481 3,205,818 1,613 345 51,973 70,691 512 125,133 954 1,54 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	1,010,046 7,310 2,387,481 1,613 345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448	612,970 4,437 1,633,593 1,613 345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059	297,232 2,152 1,023,502 1,613 345 46,324 63,623 461 112,365 954 154 296 802 6 2,211 1,859,247 302,592 909,782	178,355 1,291 791,305 1,650 353 44,392 61,302 444 108,141 1954 1,781 1,781	125,383 908 690,861 1,650 353 44,391 61,302 444 108,140 954 154 200 541 4 1,853	116,646 845 673,450 1,688 361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	114,453 829 668,133 1,650 353 46,139 63,512 460 112,114 954 154 160 434 3 1,706	170,468 1,234 7777,295 1,650 353 49,591 68,151 494 120,238 954 154 575 1,558 11 3,252	378,019 2,737 1,180,863 1,650 353 49,948 68,261 494 120,707 954 154 827 2,241 16 4,191	936,202 6,777 2,239,232 1,650 353 50,324 68,482 496 121,305 954 154 974 2,639 19 4,740	6,848,018 49,571 18,489,335 19,650 4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
10,572 3,217,803 1,613 345 53,764 72,901 528 129,150 954 154 2,556 6,929 50 10,644 1,875,112 305,759 4,483,478	10,481 3,205,818 1,613 345 51,973 70,691 512 125,133 954 1,54 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	7,310 2,387,481 1,613 345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448	4,437 1,633,593 1,613 345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	2,152 1,023,502 1,613 3,45 46,324 63,623 461 112,365 954 154 296 802 6 2,211 1,859,247 302,592 909,785	1,291 791,305 1,650 353 44,392 61,302 444 108,141 954 1,781 1,781	908 690,861 1,650 353 44,391 61,302 444 108,140 954 1,853 1,828,557 297,754	845 673,450 1,688 361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	829 668,133 1,650 353 46,139 63,512 460 112,114 954 1,50 434 3 1,706	1,234 777,295 1,650 353 49,591 68,151 494 120,238 954 154 575 1,558 1,558 11 3,252	2,737 1,180,863 1,650 353 49,948 68,261 494 120,707 954 154 827 2,241 16 4,191	6,777 2,239,232 1,650 353 50,324 68,482 496 121,305 954 154 974 2,639 4,740	49,571 18,489,335 19,650 4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
3,217,803 1,613 345 53,764 72,901 528 129,150 954 154 2,556 6,929 50 10,644 1,875,112 305,759 4,483,478	3,205,818 1,613 345 51,973 70,691 512 125,133 954 154 1,880 5,097 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	2,387,481 1,613 345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	1,633,593 1,613 345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	1,023,502 1,613 345 46,324 63,623 461 112,365 954 154 296 802 6 2,211 1,859,247 302,592 909,785	791,305 1,650 353 44,392 61,302 444 108,141 954 154 189 4 1,781 1,841,269 299,654	690,861 1,650 353 44,391 61,302 4444 108,140 954 154 200 541 4 1,853	1,688 361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	1,650 353 46,139 63,512 460 112,114 954 154 160 434 3 1,706	777,295 1,650 353 49,591 68,151 494 120,238 954 154 575 1,558 11 3,252	1,180,863 1,650 353 49,948 68,261 494 120,707 954 154 154 827 2,241 16 4,191	2,239,232 1,650 353 50,324 68,482 496 121,305 954 154 154 974 2,639 19 4,740	18,489,335 19,650 4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
345 53,764 72,901 528 129,150 954 154 2,556 6,929 10,644 1,875,112 305,759 4,483,478	345 51,973 70,691 512 125,133 954 154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	1,613 345 46,324 63,623 461 112,365 954 154 296 802 6 2,211 1,859,247 302,592 909,785	353 44,392 61,302 444 108,141 954 154 180 489 4 1,781	353 44,391 61,302 444 108,140 954 154 200 541 4 1,853	361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	1,650 353 46,139 63,512 460 112,114 954 154 160 434 3 1,706	353 49,591 68,151 494 120,238 954 154 575 1,558 11 3,252	353 49,948 68,261 494 120,707 954 154 827 2,241 16 4,191	353 50,324 68,482 496 121,305 954 154 974 2,639 19 4,740	4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
345 53,764 72,901 528 129,150 954 154 2,556 6,929 10,644 1,875,112 305,759 4,483,478	345 51,973 70,691 512 125,133 954 154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	345 46,324 63,623 461 112,365 954 154 296 802 6 2,211 1,859,247 302,592 909,785	353 44,392 61,302 444 108,141 954 154 180 489 4 1,781	353 44,391 61,302 444 108,140 954 154 200 541 4 1,853	361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	353 46,139 63,512 460 112,114 954 154 160 434 3 1,706	353 49,591 68,151 494 120,238 954 154 575 1,558 11 3,252	353 49,948 68,261 494 120,707 954 154 827 2,241 16 4,191	353 50,324 68,482 496 121,305 954 154 974 2,639 19 4,740	4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
345 53,764 72,901 528 129,150 954 154 2,556 6,929 10,644 1,875,112 305,759 4,483,478	345 51,973 70,691 512 125,133 954 154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	345 50,376 68,261 494 121,089 954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	345 48,488 65,831 477 116,753 954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	345 46,324 63,623 461 112,365 954 154 296 802 6 2,211 1,859,247 302,592 909,785	353 44,392 61,302 444 108,141 954 154 180 489 4 1,781	353 44,391 61,302 444 108,140 954 154 200 541 4 1,853	361 46,144 63,512 460 112,165 954 154 160 434 3 1,705	353 46,139 63,512 460 112,114 954 154 160 434 3 1,706	353 49,591 68,151 494 120,238 954 154 575 1,558 11 3,252	353 49,948 68,261 494 120,707 954 154 827 2,241 16 4,191	353 50,324 68,482 496 121,305 954 154 974 2,639 19 4,740	4,202 581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
53,764 72,901 528 129,150 954 154 2,556 6,929 10,644 1,875,112 305,759 4,483,478	51,973 70,691 512 125,133 954 154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	50,376 68,261 494 121,089 954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	48,488 65,831 477 116,753 954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	46,324 63,623 461 112,365 954 154 296 802 6 2,211 1,859,247 302,592 909,785	44,392 61,302 444 108,141 954 154 180 489 4 1,781	44,391 61,302 444 108,140 954 154 200 541 4 1,853	46,144 63,512 460 112,165 954 154 160 434 3 1,705	46,139 63,512 460 112,114 954 154 160 434 3 1,706	49,591 68,151 494 120,238 954 154 575 1,558 11 3,252	49,948 68,261 494 120,707 954 154 827 2,241 16 4,191	50,324 68,822 496 121,305 954 154 974 2,639 19 4,740	581,853 795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
72,901 528 129,150 954 154 2,556 6,929 50 10,644 1,875,112 305,759 4,358,953 4,483,478	70,691 512 125,133 954 154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	68,261 494 121,089 954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	65,831 477 116,753 954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	63,623 461 112,365 954 154 296 802 6 2,211 1,859,247 302,592 909,785	61,302 444 108,141 954 154 180 499 4 1,781 1,841,269 299,654	61,302 444 108,140 954 154 200 541 4 1,853	63,512 460 112,165 954 154 160 434 3 1,705 1,833,720 298,508	63,512 460 112,114 954 154 160 434 3 1,706	68,151 494 120,238 954 154 575 1,558 11 3,252	68,261 494 120,707 954 154 827 2,241 16 4,191	68,482 496 121,305 954 154 974 2,639 19 4,740	795,829 5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
528 129,150 954 154 2,556 6,929 50 10,644 1,875,112 305,759 4,358,953 4,483,478	512 125,133 954 154 1,880 5,997 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	121,089 954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	116,753 954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	461 112,365 954 154 296 802 6 2,211 1,859,247 302,592 909,785	954 154 180 489 4 1,781	954 154 200 541 4 1,853	954 154 160 434 3 1,705	954 154 160 434 3 1,706	954 154 575 1,558 11 3,252	954 154 827 2,241 16 4,191	954 154 974 2,639 4,740	5,764 1,407,299 11,448 1,847 9,226 25,009 181 47,711	
954 154 2,556 6,929 50 10,644 1,875,112 305,759 4,358,963 4,483,478	125,133 954 154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	954 154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	112,365 954 154 296 802 6 2,211 1,859,247 302,592 909,785	108,141 954 154 180 489 4 1,781 1,841,269 299,654	108,140 954 154 200 541 4 1,853 1,828,557 297,754	112,165 954 154 160 434 3 1,705 1,833,720 298,508	954 154 160 434 3 1,706	954 154 575 1,558 11 3,252	954 154 827 2,241 16 4,191	954 154 974 2,639 19 4,740	1,407,299 11,448 1,847 9,226 25,009 181 47,711 22,217,989	
154 2,556 6,929 50 10,644 1,875,112 305,759 4,358,953 4,483,478	954 154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	954 154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	954 154 296 802 6 2,211 1,859,247 302,592 909,785	154 180 489 4 1,781 1,841,269 299,654	954 154 200 541 4 1,853	154 160 434 3 1,705 1,833,720 298,508	154 160 434 3 1,706	954 154 575 1,558 11 3,252	954 154 827 2,241 16 4,191	954 154 974 2,639 19 4,740	11,448 1,847 9,226 25,009 181 47,711	
154 2,556 6,929 50 10,644 1,875,112 305,759 4,358,953 4,483,478	154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	154 296 802 6 2,211 1,859,247 302,592 909,785	154 180 489 4 1,781 1,841,269 299,654	154 200 541 4 1,853 1,828,557 297,754	154 160 434 3 1,705 1,833,720 298,508	154 160 434 3 1,706	154 575 1,558 11 3,252	154 827 2,241 16 4,191	154 974 2,639 19 4,740	1,847 9,226 25,009 181 47,711	
154 2,556 6,929 50 10,644 1,875,112 305,759 4,358,953 4,483,478	154 1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	154 895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	154 523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	154 296 802 6 2,211 1,859,247 302,592 909,785	154 180 489 4 1,781 1,841,269 299,654	154 200 541 4 1,853 1,828,557 297,754	154 160 434 3 1,705 1,833,720 298,508	154 160 434 3 1,706	154 575 1,558 11 3,252	154 827 2,241 16 4,191	154 974 2,639 19 4,740	1,847 9,226 25,009 181 47,711	
2,556 6,929 50 10,644 1,875,112 305,759 4,358,953 4,483,478	1,880 5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	895 2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	523 1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	296 802 6 2,211 1,859,247 302,592 909,785	180 489 4 1,781 1,841,269 299,654	200 541 4 1,853 1,828,557 297,754	160 434 3 1,705 1,833,720 298,508	160 434 3 1,706	575 1,558 11 3,252 1,823,827	827 2,241 16 4,191	974 2,639 19 4,740	9,226 25,009 181 47,711 22,217,989	
1,875,112 305,759 4,358,953 4,483,478	5,097 37 8,122 1,880,272 306,686 4,261,309 4,376,758 68,636	2,427 18 4,448 1,872,514 304,949 3,160,314 3,220,650	1,418 10 3,059 1,871,014 304,647 1,862,673 1,901,251	1,859,247 302,592 909,785	1,841,269 299,654	1,828,557 297,754	1,833,720 298,508	1,706 1,822,950	1,558 11 3,252 1,823,827	2,241 16 4,191	2,639 19 4,740	25,009 181 47,711 22,217,989	
10,644 1,875,112 305,759 4,358,953 4,483,478	1,880,272 306,686 4,261,309 4,376,758 68,636	18 4,448 1,872,514 304,949 3,160,314 3,220,650	1,871,014 3,059 1,871,014 304,647 1,862,673 1,901,251	1,859,247 302,592 909,785	1,841,269 299,654	1,828,557 297,754	1,705 1,833,720 298,508	1,706 1,822,950	3,252 1,823,827	16 4,191 1,844,730	19 4,740	181 47,711 22,217,989	
10,644 1,875,112 305,759 4,358,953 4,483,478	1,880,272 306,686 4,261,309 4,376,758 68,636	1,872,514 304,949 3,160,314 3,220,650	3,059 1,871,014 304,647 1,862,673 1,901,251	2,211 1,859,247 302,592 909,785	1,781 1,841,269 299,654	1,853 1,828,557 297,754	1,705 1,833,720 298,508	1,706	3,252	4,191 1,844,730	4,740 1,864,777	47,711 22,217,989	
1,875,112 305,759 4,358,953 4,483,478	1,880,272 306,686 4,261,309 4,376,758 68,636	1,872,514 304,949 3,160,314 3,220,650	1,871,014 304,647 1,862,673 1,901,251	1,859,247 302,592 909,785	1,841,269 299,654	1,828,557 297,754	1,833,720 298,508	1,822,950	1,823,827	1,844,730	1,864,777	22,217,989	
305,759 4,358,953 4,483,478	306,686 4,261,309 4,376,758 68,636	304,949 3,160,314 3,220,650	304,647 1,862,673 1,901,251	302,592 909,785	299,654	297,754	298,508						
4,358,953 4,483,478	4,261,309 4,376,758 68,636	3,160,314 3,220,650	1,862,673 1,901,251	909,785				206 916	207 027	005	303,898	3,618,797	
4,483,478	4,376,758 68,636	3,220,650	1,901,251		491,795	365.268			231,021	300,505			
4,483,478	4,376,758 68,636	3,220,650	1,901,251				352,249	357,314	532,392	1,325,971	2,944,010	20,922,034	
	68,636				513,952	383,735	370,504	374,902	553,542	1,351,384	3,010,085	21,475,950	
		98,684	68,670	68,338	67,685	67,095	67,356	66,916	66,899	67,614	68,258	814,660	
32,461	31,688	23,316	13,765	6,775	3,722	2,778	2,683	2,715	4,008	9,784	21,792	155,486	
79,515	77,082	57,814	32,987	15,509	7,398	5,309	5,131	5,309	8,465	24,390	54,104	373,010	
1,203,787	11,002,432	8,708,241	6,055,008	4,097,953	3,225,474	2,950,497	2,930,151	2,926,922	3,286,160	4,924,378	8,266,923	69,577,926	
ce/ Trans													
355,800	356,775	356,790	355,410	354,180	350,790	348,570	348,345	347,685	347,820	351,870	355,155	4,229,190	
53,370	53,516	53,519	53,312	53,127	52,619	52,286	52,252	52,153	52,173	52,781	53,273	634,379	
825,042	800,110	600,649	342,257	160,929	77,064	54,398	52,132	56,665	88,397	251,593	559,850	3,869,086	
16,367	16,412	16,412	16,349	16,292	16,136	16,034	16,024	15,994	16,000	16,186	16,337	194,543	
21,731	21,074	15,821	9,015	4,239	2,030	1,433	1,373	1,493	2,328	6,627	14,746	101,908	0.000.405
1,272,310	1,247,887	1,043,190	776,342	588,767	498,639	4/2,/21	470,126	473,989	506,718	679,056	999,361	9,029,105	9,029,105
sportation													
	1,002,644	859,208	001,029	526,760	464,147	452,815	442,331	458,402	523,836	653,430	891,301	7,982,049	
ortation													
495,629	456,422	430,375	386,007	360,382	340,615	320,719	342,351	358,371	398,944	436,085	451,704	4,777,603	
tion	F00.070	F04 F02	500.740	F00 F00	F00 F00	FOF FC :	E04.000	500.460	F70.001	500.740	040.071	7,000,470	
2,061,437													
16,367													
21,731	2 706 052		1,023,910	1,410,908	1,303,401	1,240,200	1,204,007	1,200,702	1,423,480	1,700,071	2,042,000	21,100,101	
1,	190,715 49,302 805,528 045,545 17,759 430,866 495,629 10,431 11,375 120,431 16,367 21,731	portation 190,715	portation 190,715 180,099 190,749 49,302 45,031 47,309 805,528 777,514 621,151 045,545 1,002,644 859,208 tation 47,005 47,005 46,967 17,759 17,759 17,759 365,667 495,629 456,422 430,375 on 593,520 583,878 594,506 118,578 061,437 1,969,283 1,587,457 16,347 16,367 16,412 16,347	portation 190,715 180,099 190,749 190,299 49,302 45,031 47,309 47,213 805,528 777,514 621,151 424,118 045,545 1,002,644 859,208 661,629 tation 47,005 47,005 46,967 47,005 47,005 47,005 46,967 47,005 430,866 391,659 365,657 321,244 495,629 456,422 430,375 386,007 D1 593,520 583,878 594,506 592,713 593,520 583,878 594,506 592,713 116,306 594,506 592,713 116,307 61,437 1,969,283 1,587,457 1,087,618 16,367 16,412 16,449 15,821 9,015	portation 190,715 180,099 190,749 190,299 189,436 49,302 45,031 47,309 47,213 47,028 805,528 777,514 621,151 424,118 290,295 045,545 1,002,644 859,208 661,629 526,760 tation 47,005 47,005 46,967 47,005 47,005 47,005 46,967 47,005 47,005 48,967 48,967 47,005 48,967 47,005 48,967 47,005 48,967 47,005 48,967 48	portation 190,715 180,099 190,749 190,299 189,436 188,836 49,302 45,031 47,309 47,213 47,028 46,900 805,528 777,514 621,151 424,118 290,295 228,411 045,545 1,002,644 859,208 661,629 526,760 464,147 **Tation 47,005 47,005 46,967 47,005 47,005 47,005 47,005 47,005 47,005 47,005 48,967 47,005 48,967 47,005 48,967 48,967 48,967 49,666 391,659 365,667 321,244 295,664 275,897 495,629 456,422 430,375 386,007 360,382 340,615 **Description of the second	portation 190,715 180,099 190,749 190,299 189,436 188,836 189,987 49,302 45,031 47,309 47,213 47,028 46,900 47,591 805,528 777,514 621,151 424,118 290,295 228,411 215,237 045,545 1,002,644 859,208 661,629 526,760 464,147 452,815 **Tation 47,005 47,005 46,967 47,005 46,967 46,967 47,005 47,005 47,005 48,967 47,005 48,967 4	portation 190,715 180,099 190,749 190,299 189,436 188,836 189,987 186,674 49,302 45,031 47,309 47,213 47,028 46,900 47,591 46,660 085,528 777,514 621,151 424,118 290,295 228,411 215,237 045,545 1,002,644 859,208 661,629 526,760 464,147 452,815 442,331 **Tation 47,005 47,005 46,967 47,005 46,967 47,005 46,967 46,967 46,967 46,967 46,967 47,759 17,759	portation 190,715 180,099 190,749 190,299 189,436 188,836 189,987 186,674 185,474 49,302 45,031 47,309 47,213 47,028 46,900 47,591 46,660 46,403 045,545 1,002,644 859,208 661,629 526,760 464,147 452,815 442,331 458,402 **Tation 47,005 47,005 46,967 47,005 46,967 47,005 47,005 47,005 47,005 48,967 47,005 48,967 48,967 48,967 48,967 48,967 48,967 48,967 48,967 49,9	portation 190,715 180,099 190,749 190,299 189,436 188,836 189,987 186,674 185,474 184,537 49,302 45,031 47,309 47,213 47,028 46,900 47,591 46,660 46,403 46,203 045,545 1,002,644 859,208 661,629 526,760 464,147 452,815 442,331 458,402 523,836 **Tation 47,005 47,005 46,967 47,005 46,967 47,005 48,967 48	portation 190,715	portation 190,715	portation 190,715

KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

Tar	bf Gas Gas Cost Total	6,720,309 4,483,478 11,203,787	6,625,674 4,376,758 11,002,432	5,487,590 3,220,650 8,708,241	4,153,757 1,901,251 6,055,008	3,162,245 935,708 4,097,953	2,711,522 513,952 3,225,474	2,566,762 383,735 2,950,497	2,559,647 370,504 2,930,151	2,552,020 374,902 2,926,922	2,732,618 553,542 3,286,160	3,572,994 1,351,384 4,924,378	5,256,839 3,010,085 8,266,923	48,101,976 21,475,950 69,577,926
	Tran bf Gas	2,813,485	2,706,953	2,332,773	1,823,978	1.475.908	1,303,401	1,246,255	1,254,807	1,290,762	1,429,498	1,768,571	2,342,366	21,788,757
	Gas Cost	-	-,,	-	-	-	-	-	-	-	-	-	185,945	185,945
	Total	2,813,485	2,706,953	2,332,773	1,823,978	1,475,908	1,303,401	1,246,255	1,254,807	1,290,762	1,429,498	1,768,571	2,528,311	21,974,702
	Difference	4,882,340	4,812,671	3,729,605	2,353,377	1,367,240	909,632	792,487	773,310	739,559	831,153	1,722,410	(185,945) 3,240,512	(185,945) 26,154,296

RPS														
Tariff	Res	9,239,154	8,822,762	6,987,269	4,750,563	2,713,869	1,969,728	1,712,865	1,697,393	1,720,633	2,040,068	3,448,717	6,422,170	51,525,190
	Com	(8,704)	(9,199)	(3,581)	(3,551)	(3,406)	(3,202)	(4,250)	(3,901)	(4,832)	(5,968)	(8,122)	(8,995)	(67,710)
	Com	4,046,911	3,805,572	2,742,496	1,784,423	967,173	737,820	635,404	544,775	616,374	654,450	1,143,752	2,589,866	20,269,015
	Ind	100,096	89,711	75,277	64,075	53,354	53,373	53,397	52,870	47,166	58,734	63,447	94,829	806,328
	WS	22,661	11,905	5,316	3,999	2,800	2,785	2,883	3,984	2,854	6,416	4,976	6,397	76,974
	EG	3,429	3,176	2,163	2,408	70,873	26,946	19,911	15,628	2,496	29	2,525	961	150,545
		13,403,546	12,723,926	9,808,940	6,601,915	3,804,663	2,787,450	2,420,211	2,310,750	2,384,690	2,753,729	4,655,296	9,105,226	72,760,342
Trans	Res	1,145,792	1,105,724	923,123	700,188	496,038	419,729	394,191	391,294	392,940	427,033	568,053	865,400	7,829,504
	Com	2,998	3,639	(1,630)	(2,009)	(2,387)	(2,562)	(3,115)	(3,115)	(3,086)	(2,212)	(670)	961	(13,187)
	Com	260,977	234,525	216,043	160,960	131,077	107,709	112,167	118,578	120,343	147,876	183,245	244,058	2,037,557
	Ind	552,524	504,835	474,614	421,481	384,544	353,811	343,983	364,136	374,699	414,260	454,119	491,015	5,134,023
	Cho Com	732,182	672,708	569,605	398,350	287,915	245,146	232,161	228,219	247,541	276,300	364,070	556,699	4,810,897
	Co Ind	7,404	7,408	7,431	7,293	7,259	7,239	7,157	7,141	7,162	7,287	7,406	7,421	87,608
		2,701,878	2,528,839	2,189,186	1,686,264	1,304,445	1,131,073	1,086,544	1,106,253	1,139,599	1,270,544	1,576,224	2,165,553	19,886,403
Pricing		7,745,365	7,565,620	6,121,916	4,259,775	2,940,210	2,314,867	2,142,910	2,136,326	2,138,238	2,374,642	3,587,689	5,833,042	49,160,601
-		(5,658,181)	(5,158,307)	(3,687,024)	(2,342,139)	(864,453)	(472,583)	(277,301)	(174,424)	(246,452)	(379,087)	(1,067,607)	(3,272,184)	(23,599,742)
		19,612	20,155	21,897	28,677	29,961	27,997	24,799	32,666	25,540	20,933	19,637	19,686	291,559
		2,287	1,709	2,136	3,493	2,689	2,211	1,885	2,312	1,784	1,759	1,633	1,458	25,356
		3,207,231	3,195,337	2,380,171	1,629,156	1,021,351	790,013	689,954	672,605	667,304	776,061	1,178,127	2,232,455	18,439,764
		505,353	666,498	190,985	(57,108)	(283,094)	(341,060)	(396,590)	(433,648)	(472,295)	(494,483)	(398,098)	66,902	(1,446,639)

Columbia Gas of Kentucky, Inc. Case No. 2016-00162 Annualized Test Year Revenues at Proposed Rates For the 12 Months Ended December 31, 2017 (Gas Service)

Data: __ Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 1 of 21 Witness: M. J. Bell

12 Mc	onths For	ecasted					Proposed A	nnualized							Wit	tness: M. J. Bell
Line No.	FERC Acct (A)	Class/ <u>Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (l)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1		Operating Revenue														
2		Sales of Gas														
3	480	Residential Sales Revenue		\$9,501,640	\$9,264,126	\$7,364,680	\$4,915,467	\$3,183,162	\$2,367,188	\$2,146,913	\$2,135,636	\$2,142,556	\$2,453,620	\$4,041,981	\$6,988,839	\$56,505,808
4	481.1	Commercial Sales Revenue		3,649,346	3,636,388	2,692,276	1,817,549	1,109,287	840,209	723,542	703,418	697,548	824,257	1,292,186	2,518,172	20,504,179
5	481.2	Industrial Sales Revenue		147,631	142,998	138,403	133,417	128,288	123,399	123,398	128,024	127,973	137,285	137,876	138,602	1,607,294
8	483	Public Utilities		11,795	8,976	4,869	3,316	2,368	1,887	1,967	1,802	1,803	3,532	4,582	5,195	52,092
6		Total Sales of Gas		\$13,310,413	\$13,052,489	\$10,200,227	\$6,869,749	\$4,423,106	\$3,332,682	\$2,995,821	\$2,968,880	\$2,969,880	\$3,418,693	\$5,476,625	\$9,650,809	\$78,669,373
7		Other Operating Revenue														
9	489	Transportation Revenue - Residential		\$1,725,360	\$1,686,269	\$1,364,874	\$946,965	\$653,405	\$514,494	\$475,500	\$471,597	\$478,168	\$529,451	\$796,930	\$1,297,312	\$10,940,326
10	489	Transportation Revenue - Commercial		1,282,388	1,222,914	1,039,159	776,272	604,358	522,156	506,476	494,317	513,021	592,822	759,349	1,073,727	9,386,960
11	489	Transportation Revenue - Industrial		597,530	558,332	519,717	471,894	437,597	412,815	389,347	414,928	434,554	486,101	532,134	736,438	5,991,388
12	487	Forfeited Discounts		61,811	84,811	83,811	79,811	45,811	30,811	25,811	24,811	27,811	16,811	23,811	39,811	545,732
13	488	Miscellaneous Service Revenue		8,000	9,000	11,000	13,000	10,000	11,000	9,000	8,000	9,000	19,000	20,000	10,000	137,000
14	493	Rent from Gas Property		6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	72,000
15	495	Non-Traditional Sales		0	0	0	0	0	0	0	0	0	0	0	0	0
16	495	Other Gas Revenues - Other		66,000	58,000	61,000	85,000	24,000	19,000	16,000	15,000	16,000	18,000	25,000	112,000	515,000
17		Total Other Operating Revenue		\$3,747,090	\$3,625,326	\$3,085,561	\$2,378,942	\$1,781,170	\$1,516,276	\$1,428,134	\$1,434,654	\$1,484,553	\$1,668,185	\$2,163,225	\$3,275,289	\$27,588,405
18		Total Operating Revenue		\$17,057,502	\$16,677,815	\$13,285,788	\$9,248,691	\$6,204,276	\$4,848,959	\$4,423,955	\$4,403,534	\$4,454,433	\$5,086,879	\$7,639,849	\$12,926,098	\$106,257,779

Data: __Base Period _X_ Forecasted Period Type of Filing: X_Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 2 of 21 Witness: M. J. Bell

12 Mo	nths For	ecasted					D A								Wit	ness: M. J. Bell
							Proposed A	nnualized								
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (l)	<u>Jul-17</u> (J)	Aug-17 (K)	Sep-17 (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	<u>Total</u> (P)
1		Sales Service														
2	GSR	General Service - Residential														
3		Bills		99,289	99,473	99,542	99,522	99,040	98,094	97,239	97,617	96,979	96,955	97,991	98,925	1,180,666
4		Volumes [1]		1,331,907.1	1,291,151.8	968,403.0	552,553.4	259,776.4	123,911.3	88,930.0	85,940.7	88,922.9	141,784.3	408,542.4	906,257.2	6,248,080.5
5		Revenue Less Gas Cost		\$6,556,420	\$6,409,577	\$5,223,530	\$3,693,535	\$2,608,539	\$2,092,984	\$1,950,039	\$1,945,352	\$1,945,674	\$2,139,718	\$3,138,252	\$4,984,635	\$42,688,255
6		Gas Cost		\$2,942,316	\$2,852,283	\$2,139,299	\$1,220,646	\$573,872	\$273,732	\$196,455	\$189,852	\$196,440	\$313,216	\$902,511	\$2,002,013	\$13,802,635
7		Total Revenue [2]		\$9,498,736	\$9,261,861	\$7,362,829	\$4,914,180	\$3,182,411	\$2,366,717	\$2,146,494	\$2,135,204	\$2,142,113	\$2,452,934	\$4,040,763	\$6,986,648	\$56,490,889
8	G1C	LG&E Commercial														
9		Bills		3	3	4	4	4	4	4	3	3	3	3	3	41
10		Volumes [1]		307.2	374.8	373.1	173.3	68.9	18.0	29.1	16.7	8.8	22.2	83.3	222.4	1,697.8
11		Revenue Less Gas Cost		\$833	\$979	\$1,032	\$601	\$376	\$266	\$290	\$207	\$190	\$219	\$350	\$650	\$5,994
12		Gas Cost		\$679	\$828	\$824	\$383	\$152	\$40	\$64	\$37	\$19	\$49	\$184	\$491	\$3,751
13		Total Revenue [2]		\$1,512	\$1,807	\$1,856	\$984	\$528	\$306	\$355	\$244	\$209	\$268	\$534	\$1,142	\$9,744
14	G1R	LG&E Residential														
15		Bills		16	16	16	16	16	16	16	16	16	16	16	16	192
16		Volumes [1]		458.3	345.9	279.4	174.8	81.1	33.4	24.1	27.6	28.4	68.0	159.2	338.7	2,018.9
17		Revenue Less Gas Cost		\$1,633	\$1,300	\$1,103	\$794	\$516	\$375	\$348	\$358	\$360	\$478	\$748	\$1,279	\$9,292
18		Gas Cost		\$1,012	\$764	\$617	\$386	\$179	\$74	\$53	\$61	\$63	\$150	\$352	\$748	\$4,460
19		Total Revenue [2]		\$2,645	\$2,064	\$1,721	\$1,180	\$696	\$449	\$401	\$419	\$423	\$628	\$1,099	\$2,027	\$13,752
20	IN3	Inland Gas General Service - Residential														
21		Bills		9	9	9	10	8	9	9	9	9	9	9	9	108
22		Volumes [1]		247.9	172.9	116.2	84.5	36.3	17.0	11.6	10.8	11.5	34.0	90.2	157.3	990.2
23		Revenue Less Gas Cost		\$99	\$69	\$46	\$34	\$15	\$7	\$5	\$4	\$5	\$14	\$36	\$63	\$396
24		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25		Total Revenue [2]		\$99	\$69	\$46	\$34	\$15	\$7	\$5	\$4	\$5	\$14	\$36	\$63	\$396
26	IN4	Inland Gas General Service - Residential														
27		Bills		0	0	0	0	0	0	0	0	0	0	0	0	0
28		Volumes [1]		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29		Revenue Less Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
31		Total Revenue [2]		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
32	IN5	Inland Gas General Service - Residential														
33		Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
34		Volumes [1]		84.3	54.6	43.5	25.4	12.3	4.9	2.4	2.9	4.3	14.9	32.1	52.0	333.6
35		Revenue Less Gas Cost		\$51	\$33	\$26	\$15	\$7	\$3	\$1	\$2	\$3	\$9	\$19	\$31	\$200
36		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
37		Total Revenue [2]		\$51	\$33	\$26	\$15	\$7	\$3	\$1	\$2	\$3	\$9	\$19	\$31	\$200

^[1] Reflects Normalized Volumes.
[2] See Schedule M-2.2 Pages 8 through 21 for detail.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 3 of 21 Witness: M. J. Bell

							Proposed Ar	nualized								
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed <u>Rates</u> (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (l)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	Sep-17 (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (O)	Total (P)
1		Sales Service														
2	LG2	LG&E Residential														
3		Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
4		Volumes [1]		161.1	142.8	70.5	36.6	15.2	2.9	3.2	3.4	3.8	19.0	51.7	95.0	605.2
5		Revenue Less Gas Cost		\$56	\$50	\$25	\$13	\$5	\$1	\$1	\$1	\$1	\$7	\$18	\$33	\$212
- 6		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7		Total Revenue [2]		\$56	\$50	\$25	\$13	\$5	\$1	\$1	\$1	\$1	\$7	\$18	\$33	\$212
8	LG2	LG&E Commercial														
9		Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
10		Volumes [1]		191.8	167.7	88.3	54.0	20.2	7.6	7.9	6.8	6.6	14.8	41.5	103.7	710.9
11		Revenue Less Gas Cost		\$67	\$59	\$31	\$19	\$7	\$3	\$3	\$2	\$2	\$5	\$15	\$36	\$249
12		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13		Total Revenue [2]		\$67	\$59	\$31	\$19	\$7	\$3	\$3	\$2	\$2	\$5	\$15	\$36	\$249
2	LG3	LG&E Residential														
3		Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
4		Volumes [1]		91.8	73.4	45.4	104.5	67.4	26.5	26.2	11.8	26.2	75.9	105.5	59.5	714.1
5		Revenue Less Gas Cost		\$33	\$26	\$16	\$37	\$24	\$10	\$10	\$5	\$10	\$27	\$37	\$21	\$256
6		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7		Total Revenue [2]		\$33	\$26	\$16	\$37	\$24	\$10	\$10	\$5	\$10	\$27	\$37	\$21	\$256
8	LG4	LG&E Residential														
9		Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
10		Volumes [1]		49.5	58.7	42.0	20.7	11.2	4.0	2.6	2.8	3.0	3.9	18.9	40.3	257.6
11		Revenue Less Gas Cost		\$20	\$23	\$17	\$8	\$4	\$2	\$1	\$1	\$1	\$2	\$8	\$16	\$103
12		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13		Total Revenue [2]		\$20	\$23	\$17	\$8	\$4	\$2	\$1	\$1	\$1	\$2	\$8	\$16	\$103
14	GSO	General Service - Commercial														
15	650	Bills		10,207	10,271	10,035	10,003	9.882	9,780	9,783	9,770	9,739	9,772	9,915	10,076	119,233
16		Volumes [1]		660,740.0	655,060.9	456,847.5	277,301.9	134,480.2	80,718.3	56,728.5	52,785.7	51,801.2	77,144.1	171,035.9	423,570.9	3,098,215.1
17		Revenue Less Gas Cost		\$2,188,127	\$2,187,428	\$1,681,167	\$1,203,958	\$811,672	\$661,585	\$597,866	\$586,563	\$582,903	\$653,565	\$913,802	\$1,581,284	\$13,649,919
18		Gas Cost		\$1,459,641	\$1,447,095	\$1,009,222	\$612,588	\$297,080	\$178,315	\$125,319	\$116,609	\$114,434	\$170,419	\$377,835	\$935,710	\$6,844,267
19		Total Revenue [2]		\$3,647,767	\$3,634,523	\$2,690,389	\$1,816,546	\$1,108,752	\$839,900	\$723,185	\$703,172	\$697,337	\$823,984	\$1,291,637	\$2,516,995	\$20,494,186
10		· otal rtoronao [2]		40,0.7,101	\$5,004,020	Ψ2,000,000	ψ.,510,540	Ψ1,100,702	4000,000	ψ. 20, 100	ψ. 55,172	Ψ001,001	Q020,004	ψ·,201,007	Ψ <u>L</u> ,υ.ο,υσυ	Ψ=0, 104,100

^[1] Reflects Normalized Volumes.
[2] See Schedule M-2.2 Pages 8 through 21 for detail.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 4 of 21 Witness: M. J. Bell

12 1010	ontns Fo	ecasieu					Proposed An	nualized							VVIU	iess: M. J. Bell
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed <u>Rates</u> (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (l)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	Sep-17 (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1		Sales Service														
2	GSO	General Service - Industrial														
3		Bills		43	43	43	43	43	44	44	45	44	44	44	44	524
4		Volumes [1]		33,000.2	31,999.9	30,900.0	29,799.9	28,800.3	27,749.9	27,749.9	28,750.2	28,750.2	30,849.9	30,900.0	31,000.1	360,250.5
5		Revenue Less Gas Cost		\$74,731	\$72,307	\$70,142	\$67,586	\$64,665	\$62,097	\$62,095	\$64,512	\$64,461	\$69,135	\$69,615	\$70,120	\$811,465
6		Gas Cost		\$72,901	\$70,691	\$68,261	\$65,831	\$63,623	\$61,302	\$61,302	\$63,512	\$63,512	\$68,151	\$68,261	\$68,482	\$795,829
7		Total Revenue [2]		\$147,631	\$142,998	\$138,403	\$133,417	\$128,288	\$123,399	\$123,398	\$128,024	\$127,973	\$137,285	\$137,876	\$138,602	\$1,607,294
	IS	Interruptible Service - Industrial														
9		Bills		0	0	0	0	0	0	0	0	0	0	0	0	0
10		Volumes [1]		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11		Revenue Less Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13		Total Revenue [2]		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	IUS	Intrastate Utility Service - Wholesale														
15		Bills		2	2	2	2	2	2	2	2	2	2	2	2	24
16		Volumes [1]		3,136.7	2,307.2	1,098.6	641.7	362.9	221.4	245.0	196.3	196.6	705.2	1,014.3	1,194.8	11,320.7
17		Revenue Less Gas Cost		\$4,866	\$3,879	\$2,442	\$1,898	\$1,566	\$1,398	\$1,426	\$1,368	\$1,369	\$1,974	\$2,341	\$2,556	\$27,084
18		Gas Cost		\$6,929	\$5,097	\$2,427	\$1,418	\$802	\$489	\$541	\$434	\$434	\$1,558	\$2,241	\$2,639	\$25,009
19		Total Revenue [2]	_	\$11,795	\$8,976	\$4,869	\$3,316	\$2,368	\$1,887	\$1,967	\$1,802	\$1,803	\$3,532	\$4,582	\$5,195	\$52,092

^[1] Reflects Normalized Volumes.[2] See Schedule M-2.2 Pages 8 through 21 for detail.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 5 of 21 Witness: M. J. Bell

12 100	ntns Fo	recasted					Proposed An	nualized							Witi	ness: M. J. Bell
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1		Transportation Service														
2	GTR	GTS Choice - Residential														
3		Bills		23,720	23.785	23,786	23.694	23,612	23,386	23,238	23,223	23,179	23.188	23,458	23,677	281.946
4		Volumes [1]		364,000.0	353,000.0	265,000.0	151,000.0	71,000.0	34,000.0	24,000.0	23,000.0	25,000.0	39,000.0	111,000.0	247,000.0	1,707,000.0
5		Revenue Less Gas Cost		\$1,725,360	\$1,686,269	\$1,364,874	\$946,965	\$653,405	\$514,494	\$475,500	\$471,597	\$478,168	\$529,451	\$796,930	\$1,297,312	\$10,940,326
6		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7		Total Revenue [2]		\$1,725,360	\$1,686,269	\$1,364,874	\$946,965	\$653,405	\$514,494	\$475,500	\$471,597	\$478,168	\$529,451	\$796,930	\$1,297,312	\$10,940,326
8	GTO	GTS Choice - Commercial														
9		Bills		3,837	3,809	4,093	4,081	4,058	4,042	4,016	3,956	3,924	3,899	3,877	3,853	47,445
10		Volumes [1]		322,000.8	312,002.4	236,001.1	155,003.9	96,998.6	74,000.1	65,999.0	64,001.1	68,998.0	90,994.6	139,994.7	233,996.5	1,859,990.8
11		Revenue Less Gas Cost		\$994,432	\$972,287	\$804,686	\$595,437	\$440,614	\$376,004	\$354,424	\$346,618	\$357,855	\$413,163	\$541,067	\$777,956	\$6,974,542
12		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13		Total Revenue [2]		\$994,432	\$972,287	\$804,686	\$595,437	\$440,614	\$376,004	\$354,424	\$346,618	\$357,855	\$413,163	\$541,067	\$777,956	\$6,974,542
	GTO	GTS Choice - Industrial														
14	GIO	Bills		13	13	12	13	40	40	40	40	12	12	13	13	149
15 16		Volumes [1]		6.000.1	5.999.9	5.999.9	5,999.9	12 6.000.0	12 6.000.1	12 5.999.9	12 6.000.0	6.000.0	6.000.1	6.000.0	6,000.0	71.999.9
17		Revenue Less Gas Cost		\$14,409	\$14,452	\$14,295	\$14,073	\$13,868	\$13,753	\$13,732	\$13,685	\$13,687	\$13,989	\$14,207	\$14,266	\$168,417
18		Gas Cost		\$14,409	\$14,452	\$14,295	\$14,073	\$13,000	\$13,753	\$13,732	\$13,000	\$13,007	\$13,969	\$14,207	\$14,266	\$100,417
19		Total Revenue [2]		\$14,409	\$14,452	\$14,295	\$14,073	\$13,868	\$13,753	\$13,732	\$13,685	\$13,687	\$13,989	\$14,207	\$14,266	\$168,417
	DS	GTS Delivery Service - Commercial														
21		Bills		41	32	32	32	32	32	34	33	33	33	34	60	428
22		Volumes [1]		188,859.0	169,110.1	147,265.6	103,565.2	83,423.1	69,626.2	68,394.7	69,858.1	76,451.3	101,603.3	139,898.5	162,514.9	1,380,570.0
23		Revenue Less Gas Cost		\$201,665	\$171,118	\$157,311	\$129,688	\$116,956	\$108,235	\$111,470	\$110,388	\$114,556	\$130,454	\$156,668	\$223,146	\$1,731,654
24		Gas Cost		\$0 \$201,665	\$0 \$171,118	\$0	\$0 \$129,688	\$0 \$116,956	\$0 \$108,235	\$0 \$111,470	\$0 \$110,388	\$0 \$114,556	\$0 \$130,454	\$0 \$156,668	\$0	\$0
25		Total Revenue [2]		\$201,665	\$171,118	\$157,311	\$129,688	\$116,956	\$108,235	\$111,470	\$110,388	\$114,556	\$130,454	\$156,668	\$223,146	\$1,731,654
26	DS	GTS Delivery Service - Industrial														
27	50	Bills		39	39	39	39	39	39	39	39	39	39	39	39	468
28		Volumes [1]		674.909.5	602,578,5	525,440,7	427.583.6	368,992.8	339.504.1	295.115.5	342.173.2	361.661.7	454.356.4	551.432.0	573.549.4	5,517,297.4
29		Revenue Less Gas Cost		\$417.756	\$385.664	\$351,771	\$312.088	\$287.597	\$274.688	\$251,446	\$275,628	\$286,202	\$327.315	\$365,808	\$375.571	\$3,911,536
30		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
31		Total Revenue [2]		\$417,756	\$385,664	\$351,771	\$312,088	\$287,597	\$274,688	\$251,446	\$275,628	\$286,202	\$327,315	\$365,808	\$375,571	\$3,911,536
32	GDS	GTS Grandfathered Delivery Service - Commerce	nial					·				·				
33	GDS	Bills	uai	12	12	12	12	12	12	12	12	12	12	13	12	145
34		Volumes [1]		25,802.9	25,486.0	22,066.6	16,282.9	15,072.9	10,869.6	12,145.5	10,637.9	11,242.7	14,420.7	18,455.5	21,147.3	203,630.5
35		Revenue Less Gas Cost		\$56.241	\$55.560	\$48.637	\$36.735	\$34,282	\$25.412	\$28.076	\$24.805	\$26.197	\$32.885	\$41.099	\$46.771	\$456.701
36		Gas Cost		\$0,241	\$00,500	\$0,037	\$0,733	\$04,202	\$25,412	\$20,070	\$24,803	\$20,137	\$32,003	\$0	\$40,771	\$430,701
37		Total Revenue [2]		\$56,241	\$55.560	\$48.637	\$36.735	\$34.282	\$25.412	\$28.076	\$24.805	\$26,197	\$32.885	\$41.099	\$46,771	\$456.701

^[1] Reflects Normalized Volumes.
[2] See Schedule M-2.2 Pages 8 through 21 for detail.

Data: __ Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 6 of 21 Witness: M. J. Bell

12 WIO	illis i o	ecasted					Proposed Ar	nualized							***************************************	ness: M. J. Bel
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1		<u>Transportation Service</u>														
2	GDS	GTS Grandfathered Delivery Service - Inc	dustrial													
3		Bills		15	15	15	15	15	15	15	15	15	15	15	15	180
4		Volumes [1]		17,844.3	16,829.3	19,051.3	14,067.2	13,118.3	8,875.7	8,048.4	9,066.8	9,786.3	10,096.7	12,703.0	14,980.6	154,467.9
5		Revenue Less Gas Cost		\$39,848	\$37,859	\$42,824	\$32,403	\$30,029	\$20,591	\$18,920	\$21,221	\$22,662	\$23,436	\$29,147	\$34,116	\$353,056
6		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7		Total Revenue [2]		\$39,848	\$37,859	\$42,824	\$32,403	\$30,029	\$20,591	\$18,920	\$21,221	\$22,662	\$23,436	\$29,147	\$34,116	\$353,056
_																
	DS3	GTS Main Line Service - Industrial		_	_	_	_	_	_	_	_	_	_	_	_	
9		Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
10		Volumes [1]		58,289.0	56,724.0	56,724.0	57,213.0	57,995.0	58,484.0	55,942.0	54,866.0	55,746.0	58,093.0	57,604.0	53,301.0	680,981.0
11		Revenue Less Gas Cost		\$5,769	\$5,635	\$5,635	\$5,677	\$5,744	\$5,786	\$5,568	\$5,475	\$5,551	\$5,752	\$5,710	\$5,341	\$67,641
12		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13		Total Revenue [2]		\$5,769	\$5,635	\$5,635	\$5,677	\$5,744	\$5,786	\$5,568	\$5,475	\$5,551	\$5,752	\$5,710	\$5,341	\$67,641
14	FX1	GTS Flex Rate - Commercial														
15		Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
16		Volumes [1]		74,328.0	58,680.0	70.416.0	34,230.0	29,340.0	29,340.0	29,340.0	29,340.0	34,230.0	39,120.0	49,878.0	63,570.0	541,812.0
17		Revenue Less Gas Cost		\$30,051	\$23,948	\$28,525	\$14,413	\$12,506	\$12,506	\$12,506	\$12,506	\$14,413	\$16,320	\$20,515	\$25,855	\$224,062
18		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19		Total Revenue [2]		\$30,051	\$23,948	\$28,525	\$14,413	\$12,506	\$12,506	\$12,506	\$12,506	\$14,413	\$16,320	\$20,515	\$25,855	\$224,062
_																
	FX2	GTS Flex Rate - Commercial														
3		Bills		1		1	1	1		1			1	1	1	12
4		Volumes [1]		44,010.0	56,724.0	33,252.0	47,922.0	37,164.0	37,164.0	39,120.0	37,164.0	41,076.0	50,856.0	54,768.0	54,768.0	533,988.0
5		Revenue Less Gas Cost		\$18,227	\$23,185	\$14,031	\$19,753	\$15,557	\$15,557	\$16,320	\$15,557	\$17,083	\$20,897	\$22,422	\$22,422	\$221,011
6		Gas Cost Total Revenue [2]		\$0 \$18.227	\$0 \$23,185	\$0 \$14,031	\$0 \$19,753	\$0 \$15,557	\$0 \$15,557	\$0 \$16,320	\$0 \$15,557	\$0 \$17,083	\$0 \$20,897	\$0 \$22,422	\$0 \$22,422	\$0 \$221,011
/		Total Revenue [2]		\$18,227	\$23,185	\$14,031	\$19,753	\$15,557	\$15,557	\$16,320	\$15,557	\$17,083	\$20,897	\$22,422	\$22,422	\$221,011
8	FX5	GTS Flex Rate - Industrial														
9		Bills		3	3	3	3	3	3	3	3	3	3	3	3	36
10		Volumes [1]		411,738.0	369,684.0	397,068.0	381,420.0	392,178.0	381,420.0	392,178.0	392,178.0	381,420.0	397,068.0	391,200.0	401,958.0	4,689,510.0
11		Revenue Less Gas Cost		\$36,095	\$32,487	\$34,836	\$33,494	\$34,417	\$33,494	\$34,417	\$34,417	\$33,494	\$34,836	\$34,333	\$35,256	\$411,572
12		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13		Total Revenue [2]		\$36,095	\$32,487	\$34,836	\$33,494	\$34,417	\$33,494	\$34,417	\$34,417	\$33,494	\$34,836	\$34,333	\$35,256	\$411,572
	FX7	GTS Flex Rate - Industrial														
15		Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
16		Volumes [1]		44,077.0	26,389.0	30,000.0	30,000.0	30,000.0	30,000.0	30,000.0	30,000.0	45,000.0	45,000.0	39,555.0	39,979.0	420,000.0
17		Revenue Less Gas Cost		\$18,464	\$13,688	\$14,663	\$14,663	\$14,663	\$14,663	\$14,663	\$14,663	\$18,713	\$18,713	\$17,243	\$17,357	\$192,155
18		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19		Total Revenue [2]		\$18,464	\$13,688	\$14,663	\$14,663	\$14,663	\$14,663	\$14,663	\$14,663	\$18,713	\$18,713	\$17,243	\$17,357	\$192,155

^[1] Reflects Normalized Volumes.

^[2] See Schedule M-2.2 Pages 8 through 21 for detail.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 7 of 21 Witness: M. J. Bell

							Proposed A	nnualized								
Line <u>No.</u>		Class/ <u>Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (l)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1		Transportation Service														
2	SAS	GTS Special Agency Service														
3		Bills		0	0	0	0	0	0	0	0	0	0	0	0	
4		Volumes [1]		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5		Revenue Less Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
6		Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1
7		Total Revenue [2]		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	SC3	GTS Special Rate - Industrial														
9		Bills		1	1	1	1	1	1	1	1	1	1	1	1	1.
10		Volumes [1]		165,000.0	155,000.0	140,000.0	128,000.0	111,000.0	102,000.0	102,000.0	102,000.0	120,000.0	145,000.0	150,000.0	160,000.0	1,580,000.0
11		Revenue Less Gas Cost		\$46,963	\$45,363	\$41,663	\$39,743	\$35,723	\$34,283	\$34,283	\$34,283	\$37,163	\$41,163	\$43,263	\$46,163	\$480,05
12		Adjustment ot Minimum Bill		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$185,945	\$185,945
13		Total Revenue [2]		\$46,963	\$45,363	\$41,663	\$39,743	\$35,723	\$34,283	\$34,283	\$34,283	\$37,163	\$41,163	\$43,263	\$232,108	\$666,000
14	Total Sa	ales and Transportation		\$16,915,691	\$16,520,004	\$13,123,977	\$9,064,880	\$6,118,465	\$4,782,148	\$4,367,144	\$4,349,723	\$4,395,622	\$5,027,068	\$7,565,038	\$12,758,287	\$104,988,047
15		Other Gas Department Revenue														
16		Acct. 487 Forfeited Discounts		\$61,811	\$84,811	\$83,811	\$79,811	\$45,811	\$30,811	\$25,811	\$24,811	\$27,811	\$16,811	\$23,811	\$39,811	\$545,73
17		Acct. 488 Miscellaneous Service Revenue		\$8,000	\$9,000	\$11,000	\$13,000	\$10,000	\$11,000	\$9,000	\$8,000	\$9,000	\$19,000	\$20,000	\$10,000	\$137,00
18		Acct. 493 Rent from Gas Property		\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$72,00
19		Acct. 495 Non-Traditional Sales		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20		Acct. 495 Other Gas Revenues - Other		\$66,000	\$58,000	\$61,000	\$85,000	\$24,000	\$19,000	\$16,000	\$15,000	\$16,000	\$18,000	\$25,000	\$112,000	\$515,000
21	Total Ot	her Gas Department Revenue		\$141,811	\$157,811	\$161,811	\$183,811	\$85,811	\$66,811	\$56,811	\$53,811	\$58,811	\$59,811	\$74,811	\$167,811	\$1,269,732
22	Total Gr	ross Revenue		\$17.057.502	\$16,677,815	\$13,285,788	\$9.248.691	\$6,204,276	\$4.848.959	\$4.423.955	\$4,403,534	\$4.454.433	\$5.086.879	\$7.639.849	\$12,926,098	\$106.257.77

^[1] Reflects Normalized Volumes.[2] See Schedule M-2.2 Pages 8 through 21 for detail.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 8 of 21 Witness: M. J. Bell

							Proposed A	nnualized								
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (l)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	<u>Total</u> (P)
1	GSR	General Service - Residential														
2		RESIDENTIAL														
3 4 5		Customer Bills Customer Charge Accelerated Main Replacement Program	\$16.00 \$0.00	99,289 \$1,588,624 \$0	99,473 \$1,591,568 \$0	99,542 \$1,592,672 \$0	99,522 \$1,592,352 \$0	99,040 \$1,584,640 \$0	98,094 \$1,569,504 \$0	97,239 \$1,555,824 \$0	97,617 \$1,561,872 \$0	96,979 \$1,551,664 \$0	96,955 \$1,551,280 \$0	97,991 \$1,567,856 \$0	98,925 \$1,582,800 \$0	1,180,666 \$18,890,656 \$0
6 7		Volumes (Mcf) [1] Commodity Charge \$/Mcf	\$3.5927	1,331,907.1 \$4,785,143	1,291,151.8 \$4,638,721	968,403.0 \$3,479,181	552,553.4 \$1,985,159	259,776.4 \$933,299	123,911.3 \$445,176	88,930.0 \$319,499	85,940.7 \$308,759	88,922.9 \$319,473	141,784.3 \$509,388	408,542.4 \$1,467,770	906,257.2 \$3,255,910	6,248,080.5 \$22,447,479
8		Revenue Less Gas Cost		\$6,373,767	\$6,230,289	\$5,071,853	\$3,577,511	\$2,517,939	\$2,014,680	\$1,875,323	\$1,870,631	\$1,871,137	\$2,060,668	\$3,035,626	\$4,838,710	\$41,338,135
9		Gas Cost Revenue \$/Mcf [2]	\$2.2091	\$2,942,316	\$2,852,283	\$2,139,299	\$1,220,646	\$573,872	\$273,732	\$196,455	\$189,852	\$196,440	\$313,216	\$902,511	\$2,002,013	\$13,802,635
10		Revenue Excluding Riders		\$9,316,083	\$9,082,573	\$7,211,153	\$4,798,156	\$3,091,811	\$2,288,413	\$2,071,778	\$2,060,483	\$2,067,577	\$2,373,884	\$3,938,137	\$6,840,723	\$55,140,769
11 12 13 14 15		Riders: Energy Efficiency Conservation Program Gas Cost Uncollectible Charge \$/Mcf EAP Recovery \$/Mcf Total Riders	\$0.6900 \$0.0260 \$0.0597	\$68,509 34,630 <u>79,515</u> \$182,654	\$68,636 33,570 <u>77,082</u> \$179,288	\$68,684 25,178 <u>57,814</u> \$151,676	\$68,670 14,366 <u>32,987</u> \$116,024	\$68,338 6,754 <u>15,509</u> \$90,600	\$67,685 3,222 <u>7,398</u> \$78,304	\$67,095 2,312 <u>5,309</u> \$74,716	\$67,356 2,234 <u>5,131</u> \$74,721	\$66,916 2,312 <u>5,309</u> \$74,536	\$66,899 3,686 <u>8,465</u> \$79,050	\$67,614 10,622 24,390 \$102,626	\$68,258 23,563 <u>54,104</u> \$145,924	\$814,660 162,450 <u>373,010</u> \$1,350,120
16		Total Revenue		\$9,498,736	\$9,261,861	\$7,362,829	\$4,914,180	\$3,182,411	\$2,366,717	\$2,146,494	\$2,135,204	\$2,142,113	\$2,452,934	\$4,040,763	\$6,986,648	\$56,490,889
17 18	G1C	LG&E Commercial														
19 20		Customer Bills Customer Charge	\$56.92	3 \$171	3 \$171	4 \$228	4 \$228	4 \$228	4 \$228	4 \$228	3 \$171	3 \$171	3 \$171	3 \$171	3 \$171	41 \$2,334
21 22		Volumes (Mcf) [1] Commodity Charge	\$2.1558	307.2 \$662	374.8 \$808	373.1 \$804	173.3 \$374	68.9 \$149	18.0 \$39	29.1 \$63	16.7 \$36	8.8 \$19	22.2 \$48	83.3 \$180	222.4 \$479	1,697.8 \$3,660
23		Revenue Less Gas Cost		\$833	\$979	\$1,032	\$601	\$376	\$266	\$290	\$207	\$190	\$219	\$350	\$650	\$5,994
24		Gas Cost Revenue [2]	\$2.2091	\$679	\$828	\$824	\$383	\$152	\$40	\$64	\$37	\$19	\$49	\$184	\$491	\$3,751
25		Total Revenue		\$1,512	\$1,807	\$1,856	\$984	\$528	\$306	\$355	\$244	\$209	\$268	\$534	\$1,142	\$9,744

^[1] Reflects Normalized Volumes.[2] Reflects Gas Cost Adjustment Rate as of March 1, 2016.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 9 of 21 Witness: M. J. Bell

12 IVIO	ntns Fo	recasted					Proposed An	nualized							vvitn	ess: M. J. Bel
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (l)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (0)	<u>Total</u> (P)
1	G1R	LG&E Residential														
2		RESIDENTIAL														
3 4		Customer Bills Customer Charge	\$17.27	16 \$276	16 \$276	16 \$276	16 \$276	192 \$3,316								
5 6		Volumes (Mcf) [1] Commodity Charge	\$2.9600	458.3 \$1,357	345.9 \$1,024	279.4 \$827	174.8 \$517	81.1 \$240	33.4 \$99	24.1 \$71	27.6 \$82	28.4 \$84	68.0 \$201	159.2 \$471	338.7 \$1,003	2,018.9 \$5,976
7		Revenue Less Gas Cost		\$1,633	\$1,300	\$1,103	\$794	\$516	\$375	\$348	\$358	\$360	\$478	\$748	\$1,279	\$9,292
8		Gas Cost Revenue [2]	\$2.2091	\$1,012	\$764	\$617	\$386	\$179	\$74	\$53	\$61	\$63	\$150	\$352	\$748	\$4,460
9		Total Revenue		\$2,645	\$2,064	\$1,721	\$1,180	\$696	\$449	\$401	\$419	\$423	\$628	\$1,099	\$2,027	\$13,752
10	IN3	Inland Gas General Service - Residential														
11		RESIDENTIAL														
12 13		Customer Bills Customer Charge	\$0.00	9 \$0	9 \$0	9 \$0	10 \$0	8 \$0	9 \$0	9 \$0	9 \$0	9 \$0	9 \$0	9 \$0	9 \$0	108 \$0
14 15		Volumes (Mcf) [1] Commodity Charge	\$0.4000	247.9 \$99	172.9 \$69	116.2 \$46	84.5 \$34	36.3 \$15	17.0 \$7	11.6 \$5	10.8 \$4	11.5 \$5	34.0 \$14	90.2 \$36	157.3 \$63	990.2 \$396
16		Revenue Less Gas Cost		\$99	\$69	\$46	\$34	\$15	\$7	\$5	\$4	\$5	\$14	\$36	\$63	\$396
17		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18		Total Revenue		\$99	\$69	\$46	\$34	\$15	\$7	\$5	\$4	\$5	\$14	\$36	\$63	\$396
1	IN4	Inland Gas General Service - Residential														
2		RESIDENTIAL														
3 4		Customer Bills Customer Charge	\$0.00	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0								
5 6		Volumes (Mcf) [1] Commodity Charge	\$0.5500	0.0 \$0	0.0 \$0	0.0 \$0	0.0 \$0	0.0 \$0								
7		Revenue Less Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9		Total Revenue		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

^[1] Reflects Normalized Volumes. [2] Reflects Gas Cost Adjustment Rate as of March 1, 2016.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 10 of 21 Witness: M. J. Bell

12 MOI	ntns Fo	recasted					Proposed An	nualized							With	ess: M. J. Bell
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	Sep-17 (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (0)	Total (P)
1	IN5	Inland Gas General Service - Residential														
2		RESIDENTIAL														
3 4		Customer Bills Customer Charge	\$0.00	3 \$0	3 \$0	3 \$0	3 \$0	3 \$0	36 \$0							
5 6		Volumes (Mcf) [1] Commodity Charge	\$0.6000	84.3 \$51	54.6 \$33	43.5 \$26	25.4 \$15	12.3 \$7	4.9 \$3	2.4 \$1	2.9 \$2	4.3 \$3	14.9 \$9	32.1 \$19	52.0 \$31	333.6 \$200
7		Revenue Less Gas Cost		\$51	\$33	\$26	\$15	\$7	\$3	\$1	\$2	\$3	\$9	\$19	\$31	\$200
8		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9		Total Revenue		\$51	\$33	\$26	\$15	\$7	\$3	\$1	\$2	\$3	\$9	\$19	\$31	\$200
10	LG2	LG&E Residential														
11		RESIDENTIAL														
12 13		Customer Bills Customer Charge	\$0.00	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	12 \$0							
14 15		Volumes (Mcf) [1] Commodity Charge	\$0.3500	161.1 \$56	142.8 \$50	70.5 \$25	36.6 \$13	15.2 \$5	2.9 \$1	3.2 \$1	3.4 \$1	3.8 \$1	19.0 \$7	51.7 \$18	95.0 \$33	605.2 \$212
16		Revenue Less Gas Cost		\$56	\$50	\$25	\$13	\$5	\$1	\$1	\$1	\$1	\$7	\$18	\$33	\$212
17		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18		Total Revenue		\$56	\$50	\$25	\$13	\$5	\$1	\$1	\$1	\$1	\$7	\$18	\$33	\$212
19	LG2	LG&E Commercial														
20		COMMERCIAL														
21 22		Customer Bills Customer Charge	\$0.00	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	12 \$0							
23 24		Volumes (Mcf) [1] Commodity Charge	\$0.3500	191.8 \$67	167.7 \$59	88.3 \$31	54.0 \$19	20.2 \$7	7.6 \$3	7.9 \$3	6.8 \$2	6.6 \$2	14.8 \$5	41.5 \$15	103.7 \$36	710.9 \$249
25		Revenue Less Gas Cost		\$67	\$59	\$31	\$19	\$7	\$3	\$3	\$2	\$2	\$5	\$15	\$36	\$249
26		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27		Total Revenue		\$67	\$59	\$31	\$19	\$7	\$3	\$3	\$2	\$2	\$5	\$15	\$36	\$249

^[1] Reflects Normalized Volumes.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 11 of 21 Witness: M. J. Bell

							Proposed Ar	nualized								
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (0)	Total (P)
1	LG3	LG&E Residential														
2		RESIDENTIAL														
3		Customer Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
4		Customer Charge	\$1.20	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$14
5 6		Volumes (Mcf) [1] First 2 Mcf		2.0	2.0	2.0	2.0	2.0	2.4	2.0	2.0	2.0	2.0	2.0	2.0	24.4
7		Over 2 Mcf		89.8 91.8	71.4 73.4	43.4 45.4	102.5 104.5	65.4 67.4	24.1 26.5	24.2 26.2	9.8 11.8	24.2 26.2	73.9 75.9	103.5 105.5	57.5 59.5	689.7 714.1
8		Commodity Charge														
9 10		First 2 Mcf Over 2 Mcf	\$0.0000 \$0.3500	\$0 <u>31.43</u> \$31	\$0 <u>24.99</u> \$25	\$0 <u>15.19</u> \$15	\$0 <u>35.88</u> \$36	\$0 <u>22.89</u> \$23	\$0 <u>8.44</u> \$8	\$0 <u>8.47</u> \$8	\$0 <u>3.43</u> \$3	\$0 <u>8.47</u> \$8	\$0 <u>25.87</u> \$26	\$0 36.23 \$36	\$0 <u>20.13</u> \$20	\$0 <u>241.42</u> \$241
11		Revenue Less Gas Cost		\$33	\$26	\$16	\$37	\$24	\$10	\$10	\$5	\$10	\$27	\$37	\$21	\$256
12		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13		Total Revenue		\$33	\$26	\$16	\$37	\$24	\$10	\$10	\$5	\$10	\$27	\$37	\$21	\$256
14	LG4	LG&E Residential														
15		RESIDENTIAL														
16 17		Customer Bills Customer Charge	\$0.00	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	1 \$0	12 \$0
18 19		Volumes (Mcf) [1] Commodity Charge	\$0.4000	49.5 \$20	58.7 \$23	42.0 \$17	20.7 \$8	11.2 \$4	4.0 \$2	2.6 \$1	2.8 \$1	3.0 \$1	3.9 \$2	18.9 \$8	40.3 \$16	257.6 \$103
20		Revenue Less Gas Cost		\$20	\$23	\$17	\$8	\$4	\$2	\$1	\$1	\$1	\$2	\$8	\$16	\$103
21		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22		Total Revenue		\$20	\$23	\$17	\$8	\$4	\$2	\$1	\$1	\$1	\$2	\$8	\$16	\$103

^[1] Reflects Normalized Volumes.

Columbia Gas of Kentucky, Inc. Case No. 2016-00162 Annualized Test Year Revenues at Proposed Rates For the 12 Months Ended December 31, 2017 (Gas Service)

Data: __ Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 12 of 21 Witness: M. J. Bell

12 IVIC	ontns For	recasted					Proposed Ar	nualized							vviti	ness: M. J. Bell
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (O)	Total (P)
1	GSO	General Service - Commercial														
2		COMMERCIAL														
3		Customer Bills	04400	10,207	10,271	10,035	10,003	9,882	9,780	9,783	9,770	9,739	9,772	9,915	10,076	119,233
5		Customer Charge Accelerated Main Replacement Program	\$44.69 \$0.00	\$456,151 \$0	\$459,011 \$0	\$448,464 \$0	\$447,034 \$0	\$441,627 \$0	\$437,068 \$0	\$437,202 \$0	\$436,621 \$0	\$435,236 \$0	\$436,711 \$0	\$443,101 \$0	\$450,296 \$0	\$5,328,523 \$0
6		Volumes (Mcf) [1]														
7		First 50 Mcf		267,674.0	278,751.2	227,896.5	149,381.8	76,805.7	48,735.1	38,320.5	36,243.0	36,349.0	49,862.3	96,888.0	195,908.3	1,502,815.4
8		Next 350 Mcf		283,489.2	279,296.2	181,833.2	106,946.4	47,813.0	28,650.6	16,633.3	15,250.7	14,035.7	24,169.7	64,078.0	176,923.0	1,239,119.0
9		Next 600 Mcf		79,219.5	70,800.1	38,109.6	16,494.1	7,331.2	3,286.7	1,774.7	1,292.0	1,416.5	3,112.1	8,498.8	39,805.4	271,140.7
10		Over 1,000 Mcf		30,357.3	26,213.4	9,008.2	4,479.6	2,530.3	<u>45.9</u>	0.0	0.0	0.0	0.0	1,571.1	10,934.2	85,140.0
				660,740.0	655,060.9	456,847.5	277,301.9	134,480.2	80,718.3	56,728.5	52,785.7	51,801.2	77,144.1	171,035.9	423,570.9	3,098,215.1
11		Commodity Charge														
12		First 50 Mcf	\$3.0332	\$811,909	\$845,508	\$691,256	\$453,105	\$232,967	\$147,823	\$116,234	\$109,932	\$110,254	\$151,242	\$293,881	\$594,229	\$4,558,340
13		Next 350 Mcf	\$2.3446	664,669	654,838	426,326	250,747	112,102	67,174	38,998	35,757	32,908	56,668	150,237	414,814	2,905,238
14		Next 600 Mcf	\$2.2294	176,612	157,842	84,962	36,772	16,344	7,327	3,957	2,880	3,158	6,938	18,947	88,742	604,481
15		Over 1,000 Mcf	\$2.0294	61,607	53,197	18,281	9,091	5,135	93					3,188	22,190	172,783
				\$1,714,797	\$1,711,385	\$1,220,825	\$749,714	\$366,549	\$222,418	\$159,189	\$148,569	\$146,320	\$214,849	\$466,254	\$1,119,975	\$8,240,842
16		Revenue Less Gas Cost		\$2,170,947	\$2,170,396	\$1,669,289	\$1,196,748	\$808,175	\$659,486	\$596,391	\$585,191	\$581,556	\$651,559	\$909,355	\$1,570,271	\$13,569,365
17		Gas Cost Revenue [2]	\$2.2091	\$1,459,641	\$1,447,095	\$1,009,222	\$612,588	\$297,080	\$178,315	\$125,319	\$116,609	\$114,434	\$170,419	\$377,835	\$935,710	\$6,844,267
18		Revenue Excluding Riders		\$3,630,588	\$3,617,491	\$2,678,511	\$1,809,336	\$1,105,255	\$837,801	\$721,710	\$701,800	\$695,990	\$821,978	\$1,287,190	\$2,505,982	\$20,413,632
19		Riders:														
19 20			\$0.0260	\$17,179	\$17,032	\$11.878	\$7,210	\$3,496	\$2,099	\$1.475	\$1,372	\$1,347	\$2,006	\$4,447	\$11,013	\$80,554
20		Gas Cost Uncollectible Charge	φυ.0260	φ17,179	φ17,032	φ11,878	\$7,210	ф3,49 б	φ2,099	φ1,475	φ1,372	φ1,347	φ2,006	φ4,447	\$11,013	φ80,554
21		Total Revenue		\$3,647,767	\$3,634,523	\$2,690,389	\$1,816,546	\$1,108,752	\$839,900	\$723,185	\$703,172	\$697,337	\$823,984	\$1,291,637	\$2,516,995	\$20,494,186

^[1] Reflects Normalized Volumes.

^[2] Reflects Gas Cost Adjustment Rate as of March 1, 2016.

Data: Ba	Data: Base Period _X_ Forecasted Period					(Gas Service)	(ice)								
Type of Fili Work Pape 12 Months I	Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted					:								Sc F Witnes	Schedule M-2.3 Page 13 of 21 Witness: M. J. Bell
						Proposed Annualized	nualized								
Line Rate No. Code (A)	te Class/ de <u>Description</u>) (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	Feb-17 (E)	<u>Mar-17</u> (F)	Apr-17 (G)	<u>May-17</u> (H)	Jun-17 (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	Sep-17 (L)	Oct-17 (M)	Nov-17 (N)	(0)	Total (P)
1 GSO	General Service - Industrial														
7	INDUSTRIAL														
8	Customer Bills		43	43	43	43	43	4	4	45	44	4	44	4	524
4 6	Customer Charge Accelerated Main Replacement Program	\$44.69	\$1,922 \$0	\$1,922 \$0	\$1,922 \$0	\$1,922 \$0	\$1,922 \$0	\$1,966 \$0	\$1,966 \$0	\$2,011 \$0	\$1,966 \$0	\$1,966 \$0	\$1,966 \$0	\$1,966 \$0	\$23,418 \$0
9	Volumes (Mcf) [1]														
≻ ∘	First 50 Mcf		1,708.9	1,701.3	1,750.8	1,513.3	1,170.7	916.7	785.3	882.2	940.1	1,050.0	1,434.4	1,636.5	15,490.2
ာတ	Next 600 Mcf		5.057.5	5.060.1	5.050.7	4.677.9	4.645.7	4.385.0	4.760.5	5.222.2	5.369.0	5.769.7	4.707.2	4.633.4	59.338.9
10	Over 1,000 Mcf		19,084.9	19,231.7	17,942.1	17,393.2	18,406.7	18,336.7	17,916.4	17,956.6	18,050.6	19,107.7	19,190.4	18,808.3	221,425.3
Ξ	Commodity Charge		7,000,00	6.555.10	00000	63,1933	20,000.5	0.01.17	0.01.17	200 100	20,100	6,000	000000	000,10	000,4000
12	First 50 Mcf	\$3.0332	\$5,183	\$5,160	\$5,311	\$4,590	\$3,551	\$2,781	\$2,382	\$2,676	\$2,852	\$3,185	\$4,351	\$4,964	\$46,985
13	Next 350 Mcf	\$2.3446	16,761	14,084	14,434	14,573	10,732	9,640	10,053	10,994	10,294	11,541	13,055	13,884	150,045
4 4	Next 600 Mcf	\$2.2294	11,275	11,281	11,260	10,429	10,357	9,776	10,613	11,642	11,970	12,863	10,494	10,330	132,290
<u>σ</u>	Over 1,000 Met	\$2.0294	\$71,951	\$69,554	36,412 \$67,417	\$64,890	\$61,355	\$59,409	36,360 \$59,408	\$61,754	36,632	38,777	38,945 \$66,845	\$67,348	\$778,681
16	Revenue Less Gas Cost		\$73,873	\$71,475	\$69,338	\$66,811	\$63,916	\$61,375	\$61,374	\$63,765	\$63,713	\$68,333	\$68,811	\$69,314	\$802,098
17	Gas Cost Revenue [2]	\$2.2091	\$72,901	\$70,691	\$68,261	\$65,831	\$63,623	\$61,302	\$61,302	\$63,512	\$63,512	\$68,151	\$68,261	\$68,482	\$795,829
18	Revenue Excluding Riders		\$146,773	\$142,166	\$137,599	\$132,642	\$127,539	\$122,677	\$122,676	\$127,277	\$127,225	\$136,483	\$137,072	\$137,796	\$1,597,928
19	Riders: Gas Cost Uncollectible Charge	\$0.0260	\$858	\$832	\$803	\$775	\$749	\$722	\$722	\$748	\$748	\$802	\$803	\$806	\$9,367
21	Total Revenue		\$147,631	\$142,998	\$138,403	\$133,417	\$128,288	\$123,399	\$123,398	\$128,024	\$127,973	\$137,285	\$137,876	\$138,602	\$1,607,294

^[1] Reflects Normalized Volumes. [2] Reflects Gas Cost Adjustment Rate as of March 1, 2016.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 14 of 21 Witness: M. J. Bell

							Proposed Ar	nualized								1033. III. U. Dei
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (0)	<u>Total</u> (P)
1	IS	Interruptible Service - Industrial														
2		INDUSTRIAL														
3		Customer Bills		0	0	0	0	0	0	0	0	0	0	0	0	0
4		Customer Charge	\$2,007.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5		Accelerated Main Replacement Program	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6		Volumes (Mcf) [1]														
7		First 30,000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8		Next 70,000 Mcf Over 100,000 Mcf		0.0 0.0	0.0 0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0
9		Over 100,000 Ivici		0.0	0.0	<u>0.0</u> 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	<u>0.0</u> 0.0	<u>0.0</u> 0.0	<u>0.0</u> 0.0
10		Commodity Charge														
11		First 30,000 Mcf	\$0.6321	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12		Next 70,000 Mcf	\$0.3773	0	0	0	0	0	0	0	0	0	0	0	0	C
13		Over 100,000 Mcf	\$0.3283	<u>0</u> \$0	<u>0</u> \$0	<u>0</u> \$0	<u>0</u> \$0	<u>0</u> \$0								
14		Revenue Less Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15		Gas Cost Revenue [2]	\$2.2091	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16		Revenue Excluding Riders		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17		Riders:														
18		Gas Cost Uncollectible Charge	\$0.0260	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19		Total Revenue		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	IUS	Intrastate Utility Service - Wholesale														
21		WHOLESALE														
22		Customer Bills		2	2	2	2	2	2	2	2	2	2	2	2	24
23		Customer Charge	\$567.40	\$1,135	\$1,135	\$1,135	\$1,135	\$1,135	\$1,135	\$1,135	\$1,135	\$1,135	\$1,135	\$1,135	\$1,135	\$13,618
24		Accelerated Main Replacement Program	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25		Volumes (Mcf) [1]		3,136.7	2,307.2	1,098.6	641.7	362.9	221.4	245.0	196.3	196.6	705.2	1,014.3	1,194.8	11,320.7
26		Commodity Charge	\$1.1635	\$3,650	\$2,684	\$1,278	\$747	\$422	\$258	\$285	\$228	\$229	\$821	\$1,180	\$1,390	\$13,172
27																_
28		Revenue Less Gas Cost		\$4,784	\$3,819	\$2,413	\$1,881	\$1,557	\$1,392	\$1,420	\$1,363	\$1,364	\$1,955	\$2,315	\$2,525	\$26,789
29		Gas Cost Revenue [2]	\$2.2091	\$6,929	\$5,097	\$2,427	\$1,418	\$802	\$489	\$541	\$434	\$434	\$1,558	\$2,241	\$2,639	\$25,009
30		Revenue Excluding Riders		\$11,714	\$8,916	\$4,840	\$3,299	\$2,359	\$1,881	\$1,961	\$1,797	\$1,798	\$3,513	\$4,556	\$5,164	\$51,798
31		Riders:														
32		Gas Cost Uncollectible Charge	\$0.0260	\$82	\$60	\$29	\$17	\$9	\$6	\$6	\$5	\$5	\$18	\$26	\$31	\$294
33		Total Bayanya		\$11,795	\$8,976	\$4,869	\$3,316	\$2,368	\$1,887	\$1,967	\$1,802	\$1,803	\$3,532	\$4,582	\$5,195	\$E2.000
33		Total Revenue		\$11,795	\$8,976	\$4,869	\$3,316	\$∠,368	\$1,887	\$1,967	\$1,802	\$1,803	\$3,532	\$4,582	\$5,1 9 5	\$52,092

^[1] Reflects Normalized Volumes. [2] Reflects Gas Cost Adjustment Rate as of March 1, 2016.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 15 of 21 Witness: M. J. Bell

Pro	posed	Annual	lized

Line No.	Rate Code	Class/ Description	Proposed Rates	<u>Jan-17</u>	Feb-17	Mar-17	<u>Apr-17</u>	May-17	<u>Jun-17</u>	<u>Jul-17</u>	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	<u>Total</u>
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
1	GTR	GTS Choice - Residential														
2		RESIDENTIAL														
3		Customer Bills		23,720	23,785	23,786	23,694	23,612	23,386	23,238	23,223	23,179	23,188	23,458	23,677	281,946
4		Customer Charge	\$16.00	\$379,520	\$380,560	\$380,576	\$379,104	\$377,792	\$374,176	\$371,808	\$371,568	\$370,864	\$371,008	\$375,328	\$378,832	\$4,511,136
5		Accelerated Main Replacement Program	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6		Volumes (Mcf) [1]		364,000.0	353,000.0	265,000.0	151,000.0	71,000.0	34,000.0	24,000.0	23,000.0	25,000.0	39,000.0	111,000.0	247,000.0	1,707,000.0
7		Commodity Charge	\$3.5927	\$1,307,743	\$1,268,223	\$952,066	\$542,498	\$255,082	\$122,152	\$86,225	\$82,632	\$89,818	\$140,115	\$398,790	\$887,397	\$6,132,739
8		Revenue Less Gas Cost		\$1,687,263	\$1,648,783	\$1,332,642	\$921,602	\$632,874	\$496,328	\$458,033	\$454,200	\$460,682	\$511,123	\$774,118	\$1,266,229	\$10,643,875
9		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10		Revenue Excluding Riders		\$1,687,263	\$1,648,783	\$1,332,642	\$921,602	\$632,874	\$496,328	\$458,033	\$454,200	\$460,682	\$511,123	\$774,118	\$1,266,229	\$10,643,875
11		Riders:														
12		Energy Efficiency Conservation Program	\$0.6900	\$16,367	\$16,412	\$16,412	\$16,349	\$16,292	\$16,136	\$16,034	\$16,024	\$15,994	\$16,000	\$16,186	\$16,337	\$194,543
13		EAP Recovery	\$0.0597	21,731	21,074	15,821	9,015	4,239	2,030	1,433	1,373	1,493	2,328	6,627	14,746	101,908
14		Total Riders		\$38,098	\$37,486	\$32,233	\$25,364	\$20,531	\$18,166	\$17,467	\$17,397	\$17,486	\$18,328	\$22,813	\$31,083	\$296,451
15		Total Revenue		\$1,725,360	\$1,686,269	\$1,364,874	\$946,965	\$653,405	\$514,494	\$475,500	\$471,597	\$478,168	\$529,451	\$796,930	\$1,297,312	\$10,940,326
16	GTO	GTS Choice - Commercial														
17		COMMERCIAL														
18		Customer Bills		3,837	3,809	4,093	4,081	4,058	4,042	4,016	3,956	3,924	3,899	3,877	3,853	47,445
19		Customer Charge	\$44.69	\$171,476	\$170,224	\$182,916	\$182,380	\$181,352	\$180,637	\$179,475	\$176,794	\$175,364	\$174,246	\$173,263	\$172,191	\$2,120,317
20		Accelerated Main Replacement Program	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21		Volumes (Mcf) [1]														
22		First 50 Mcf		115,248.5	116,322.6	106,138.4	75,878.9	48,386.9	34,090.9	31,140.7	30,451.2	32,109.0	40,148.2	62,458.3	94,003.8	786,377.4
23		Next 350 Mcf		147,158.6	143,758.3	103,281.1	63,376.9	39,602.3	30,878.4	27,567.7	26,232.9	28,470.1	38,563.3	57,697.6	100,340.5	806,927.7
24		Next 600 Mcf		37,085.0	34,041.2	18,666.5	11,741.5	6,797.7	6,188.9	5,312.4	5,525.8	6,310.6	8,979.6	14,083.0	24,521.2	179,253.4
25		Over 1,000 Mcf		22,508.7 322,000.8	<u>17,880.3</u> 312,002.4	7,915.1 236,001.1	4,006.6 155,003.9	2,211.7 96,998.6	2,841.9 74,000.1	1,978.2 65,999.0	1,791.2 64,001.1	2,108.3 68,998.0	3,303.5 90,994.6	<u>5,755.8</u> 139,994.7	15,131.0 233,996.5	87,432.3 1,859,990.8
26		Commodity Charge		322,000.0	312,002.4	230,001.1	155,005.9	30,330.0	74,000.1	03,333.0	04,001.1	00,990.0	30,334.0	133,334.7	255,990.5	1,039,990.0
27		First 50 Mcf	\$3.0332	\$349,572	\$352,830	\$321,939	\$230,156	\$146,767	\$103,405	\$94,456	\$92,365	\$97,393	\$121,778	\$189,449	\$285,132	\$2,385,240
28		Next 350 Mcf	\$2.3446	345,028	337,056	242,153	148,593	92,852	72,398	64,635	61,506	66,751	90,416	135,278	235,258	1,891,923
29		Next 600 Mcf	\$2,2294	82,677	75,891	41,615	26,177	15,155	13,798	11,843	12,319	14,069	20,019	31,397	54,668	399,628
		Next 600 McI														
30		Over 1,000 Mcf	\$2.0294	45,679	36,286	16,063	8,131	4,488	5,767	4,015	3,635	4,279	6,704	11,681	30,707	177,435
				45,679 \$822,956	36,286 \$802,063	16,063 \$621,770	8,131 \$413,057	<u>4,488</u> \$259,262	5,767 \$195,367	4,015 \$174,949	3,635 \$169,825	4,279 \$182,491	6,704 \$238,916	11,681 \$367,804		177,435 \$4,854,225
															30,707	
30		Over 1,000 Mcf		\$822,956	\$802,063	\$621,770	\$413,057	\$259,262	\$195,367	\$174,949	\$169,825	\$182,491	\$238,916	\$367,804	30,707 \$605,765	\$4,854,225

^[1] Reflects Normalized Volumes.

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 16 of 21 Witness: M. J. Bell

12 IVIO	IIIIS FOI	ecasted					Proposed An	nualized							VVIU	iess: M. J. Bei
Line <u>No.</u>	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	<u>May-17</u> (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	<u>Dec-17</u> (O)	Total (P)
1	GTO	GTS Choice - Industrial														
2		INDUSTRIAL														
3		Customer Bills		13	13	12	13	12	12	12	12	12	12	13	13	149
4		Customer Charge	\$44.69	\$581	\$581	\$536	\$581	\$536	\$536	\$536	\$536	\$536	\$536	\$581	\$581	\$6,659
5		Accelerated Main Replacement Program	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6		Volumes (Mcf) [1]														
7		First 50 Mcf		472.7	517.8	508.5	429.7	346.2	313.1	310.6	295.6	279.2	420.4	426.1	467.9	4,787.8
8		Next 350 Mcf		2,210.2	2,239.1	2,090.2	1,600.8	1,646.5	1,359.8	1,359.2	1,380.5	1,335.8	1,812.9	2,003.7	2,070.3	21,109.0
9		Next 600 Mcf		2,400.0	2,344.7	2,065.1	1,901.5	1,446.5	1,488.2	1,395.6	1,201.0	1,365.8	1,413.9	1,953.8	1,933.6	20,909.7
10		Over 1,000 Mcf		917.2 6,000.1	898.3 5,999.9	1,336.1 5,999.9	2,067.9 5,999.9	2,560.8 6,000.0	2,839.0 6,000.1	2,934.5 5,999.9	3,122.9 6,000.0	3,019.2 6,000.0	2,352.9 6,000.1	1,616.4 6,000.0	1,528.2 6,000.0	25,193.4 71,999.9
11		Commodity Charge														
12		First 50 Mcf	\$3.0332	\$1,434	\$1,571	\$1,542	\$1,303	\$1,050	\$950	\$942	\$897	\$847	\$1,275	\$1,292	\$1,419	\$14,522
13		Next 350 Mcf	\$2.3446	5,182	5,250	4,901	3,753	3,860	3,188	3,187	3,237	3,132	4,251	4,698	4,854	49,492
14		Next 600 Mcf	\$2.2294	5,351	5,227	4,604	4,239	3,225	3,318	3,111	2,678	3,045	3,152	4,356	4,311	46,616
15		Over 1,000 Mcf	\$2.0294	1,861	1,823	2,711	4,197	5,197	5,761	5,955	6,338	6,127	4,775	3,280	3,101	51,127
				\$13,828	\$13,871	\$13,758	\$13,492	\$13,332	\$13,217	\$13,196	\$13,148	\$13,151	\$13,453	\$13,626	\$13,685	\$161,758
16		Revenue Less Gas Cost		14,408.72	14,451.63	14,294.75	14,073.38	13,868.47	13,753.42	13,731.79	13,684.73	13,687.14	13,989.10	14,207.42	14,266.33	168,416.88
17		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18		Total Revenue		\$14,409	\$14,452	\$14,295	\$14,073	\$13,868	\$13,753	\$13,732	\$13,685	\$13,687	\$13,989	\$14,207	\$14,266	\$168,417

^[1] Reflects Normalized Volumes.

ork Pa	lype of Filling. A Original _ optate _ newsed Work Paper Reference No(s): 12 Months Forecasted													With	Page 17 of 21 Witness: M. J. Bell
						Proposed Annualized	nalized								
No.	Code Class Code Description (A) (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	Feb-17 (E)	<u>Mar-17</u> (F)	<u>Apr-17</u> (G)	May-17 (H)	Jun-17 (I)	<u>Jul-17</u> (J)	Aug-17 (K)	Sep-17 (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (0)	Total (P)
1 DS	GTS Delivery Service - Commercial														
7	COMMERCIAL														
ε 4	Customer Bills Customer Charge	\$2.007.00	41	32	32	32	32	32	34	33	33	33	34	60	428
. 6 9	Administrative Charge Accelerated Main Replacement Program	\$0.00	0\$	0\$	0\$	98	0\$	0\$	0\$	0\$	0\$	0\$	0\$	0\$	0\$
7	Volumes (Mcf) [1]														
დ σ	First 30,000 Mcf		188,859.0	169,110.1	147,265.6	103,565.2	83,423.1	69,626.2	68,394.7	69,858.1	76,451.3	101,603.3	139,898.5	162,514.9	1,380,570.0
9 0	Over 100,000 Mcf		0.0 188,859.0	0.0 169,110.1	0.0 147,265.6	0.0 103,565.2	0.0 83,423.1	0.0 69,626.2	0.0 68,394.7	0.0 69,858.1	0.0 76,451.3	0.0 101,603.3	0.0 139,898.5	0.0 162,514.9	0.0 1,380,570.0
1	Commodity Charge														
12 2	First 30,000 Mcf Next 70,000 Mcf	\$0.6321	\$119,378	\$106,894	\$93,087	\$65,464	\$52,732	\$44,011	\$43,232	\$44,157	\$48,325	\$64,223	\$88,430	\$102,726	\$872,658
4	Over 100,000 Mcf	\$0.3283	\$119,378	\$106,894	0 0 893,087	0 \$65,464	0 \$52,732	<u>0</u> \$44,011	0 \$43,232	<u>0</u> \$44,157	0 \$48,325	\$64,223	\$88,430	\$102,726	0 8872,658
15	Revenue Less Gas Cost		\$201,665	\$171,118	\$157,311	\$129,688	\$116,956	\$108,235	\$111,470	\$110,388	\$114,556	\$130,454	\$156,668	\$223,146	\$1,731,654
16	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Total Revenue		\$201 665	\$171 118	\$157.311	\$129688	\$116.956	\$108.235	\$111 470	\$110.388	\$114.556	\$130.454	\$156,668	\$223 146	\$1 731 654

18 DS	S GTS Delivery Service - Industrial														
19	INDUSTRIAL														
20	Customer Bills		33	39	39	39	33	39	39	33	33	33	39	39	468
_	Customer Charge	\$2,007.00	\$78,273	\$78,273	\$78,273	\$78,273	\$78,273	\$78,273	\$78,273	\$78,273	\$78,273	\$78,273	\$78,273	\$78,273	\$939,276
22	Administrative Charge	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
e	Accelerated Main Replacement Program	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Volumes (Mcf) [1]														
10	First 30,000 Mcf		362,633.5	336,268.5	309,008.7	289,709.6	275,128.8	268,134.1	242,645.5	267,869.2	280,511.7	309,636.4	327,494.0	334,941.4	3,603,981.4
26	Next 70,000 Mcf		157,996.0	151,150.0	145,282.0	110,734.0	93,864.0	71,370.0	52,470.0	74,304.0	81,150.0	118,558.0	143,008.0	147,898.0	1,347,784.0
7	Over 100,000 Mcf		154,280.0	115,160.0	71,150.0	27,140.0	0.0	0.0	0.0	0.0	0.0	26,162.0	80,930.0	90,710.0	565,532.0
			674,909.5	602,578.5	525,440.7	427,583.6	368,992.8	339,504.1	295,115.5	342,173.2	361,661.7	454,356.4	551,432.0	573,549.4	5,517,297.4
28	Commodity Charge														
59	First 30,000 Mcf	\$0.6321	\$229,221	\$212,555	\$195,324	\$183,125	\$173,909	\$169,488	\$153,376	\$169,320	\$177,311	\$195,721	\$207,009	\$211,716	\$2,278,077
0	Next 70,000 Mcf	\$0.3773	59,612	57,029	54,815	41,780	35,415	26,928	19,797	28,035	30,618	44,732	53,957	55,802	508,519
31	Over 100,000 Mcf	\$0.3283	50,650	37,807	23,359	8,910	Ol	0	0	0	ol	8,589	26,569	29,780	185,664
			\$339,483	\$307,391	\$273,498	\$233,815	\$209,324	\$196,415	\$173,173	\$197,355	\$207,929	\$249,042	\$287,535	\$297,298	\$2,972,260
32	Revenue Less Gas Cost		\$417,756	\$385,664	\$351,771	\$312,088	\$287,597	\$274,688	\$251,446	\$275,628	\$286,202	\$327,315	\$365,808	\$375,571	\$3,911,536
33	Gas Cost Revenue	\$0.0000	80	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0\$
4	Total Revenue		\$417,756	\$385,664	\$351,771	\$312,088	\$287,597	\$274,688	\$251,446	\$275,628	\$286,202	\$327,315	\$365,808	\$375,571	\$3,911,536
											۱				

						(Gas Service)	rice)								
Data:	and an					Proposed Annualized	en Perilen							S. Witne	Schedule M-2.3 Page 18 of 21 Witness: M. J. Bell
Line Rate No. Code (A)	e Class/ <u>e Description</u> (B)	Proposed Rates (C)	<u>Jan-17</u> (D)	Feb-17 (E)	<u>Mar-17</u> (F)	Apr-17 (G)	May-17 (H)	Jun-17 (I)	Jul-17 (J)	Aug-17 (K)	Sep-17 (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (0)	Total (P)
1 GDS	GTS Grandfathered Delivery Service - Commercial	ercial													
2	COMMERCIAL														
6 4 r2 r0	Customer Bills Customer Charge Administrative Charge Accelerated Main Replacement Program	\$44.69 \$0.00 \$0.00	12 \$536 \$0 \$0	12 \$536 \$0 \$0	12 \$536 \$0 \$0	12 \$536 \$0 \$0	12 \$536 \$0 \$0	\$5.36 \$0 \$0	12 \$536 \$0 \$0	12 \$536 \$0 \$0	12 \$536 \$0 \$0	12 \$536 \$0 \$0	13 \$581 \$0 \$0	12 \$536 \$0 \$0	145 \$6,480 \$0 \$0
7 8 8 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Volumes (Mcf) [1] First 50 Md Next 350 Md Next 600 Md Over 1,000 Md		600.0 4,200.0 7,070.0 13,932.9 25,802.9	600.0 4,200.0 6,882.7 13,803.3 25,486.0	600.0 4,200.0 6,964.3 10,302.3 22,066.6	600.0 4,182.5 6,167.1 <u>5,333.3</u> 16,282.9	600.0 4,127.0 6,270.1 4.075.8 15,072.9	600.0 4,044.2 4,699.5 1,525.9 10,869.6	600.0 3,998.9 5,144.3 2,402.3 12,145.5	600.0 3,891.4 4,257.5 1,889.0 10,637.9	600.0 4,069.2 4,801.3 1,772.2 11,242.7	600.0 4,045.0 6,031.9 3,743.8 14,420.7	550.0 3,850.0 6,494.6 7,560.9 18,455.5	600.0 4,200.0 6,960.4 9.386.9 21,147.3	7,150.0 49,008.2 71,743.7 75,728.6 203,630.5
2 5 4 5 4	Commodity Charge First 50 Mcf Next 350 Mcf Next 600 Mcf Over 1 000 Mcf	\$3.0332 \$2.3446 \$2.2294	\$1,820 9,847 15,762	\$1,820 9,847 15,344	\$1,820 9,847 15,526	\$1,820 9,806 13,749	\$1,820 9,676 13,979	\$1,820 9,482 10,477	\$1,820 9,376 11,469	\$1,820 9,124 9,492 3,834	\$1,820 9,541 10,704	\$1,820 9,484 13,448 7.508	\$1,668 9,027 14,479	\$1,820 9,847 15,518	\$21,687 114,905 159,945
2		1000	\$55,705	\$55,024	\$48,101	\$36,199	\$33,746	\$24,876	\$27,540	\$24,269	\$25,661	\$32,349	\$40,518	\$46,235	\$450,221
17	Revenue Less Gas Cost		\$56,241	\$55,560	\$48,637	\$36,735	\$34,282	\$25,412	\$28,076	\$24,805	\$26,197	\$32,885	\$41,099	\$46,771	\$456,701
18	Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Total Revenue		\$56,241	\$55,560	\$48,637	\$36,735	\$34,282	\$25,412	\$28,076	\$24,805	\$26,197	\$32,885	\$41,099	\$46,771	\$456,701
20 GDS	GTS Grandfathered Delivery Service - Industrial	<u>ia</u>													
21	INDUSTRIAL														
22 24 25	Customer Bills Customer Charge Administrative Charge Accelerated Main Replacement Program	\$44.69 \$0.00 \$0.00	15 \$670 \$0 \$0	15 \$670 \$0 \$0	15 \$670 \$0 \$0	15 \$670 \$0 \$0	\$670 \$0 \$0 \$0	15 \$670 \$0 \$0	15 \$670 \$0 \$0	15 \$670 \$0 \$0	15 \$670 \$0 \$0	15 \$670 \$0 \$0	15 \$670 \$0 \$0	15 \$670 \$0 \$0	180 \$8,044 \$0 \$0
26 27 28 29 30	Volumes (McI) [1] First 500 Md Next 350 Md Next 600 Md Over 1,000 Md		609.9 3,896.3 5,621.7 7,716.4 17,844.3	622.4 3,965.4 5,802.3 6,439.2 16,829.3	750.0 4,483.7 6,622.1 7,195.5 19,051.3	735.6 4,484.4 5,166.4 <u>3,680.8</u> 14,067.2	694.2 3,857.7 4,115.7 4,450.7 13,118.3	473.6 2,799.5 2,754.1 <u>2.848.5</u> 8,875.7	460.0 2,736.4 2,958.6 1,893.4 8,048.4	510.6 3,003.2 3,457.3 2,095.7 9,066.8	530.3 2,907.0 3,411.2 2,937.8 9,786.3	604.5 3,132.7 3,405.2 2,954.3 10,096.7	606.1 3,912.5 4,279.4 3,905.0 12,703.0	666.9 4,183.5 5,280.7 4,849.5 14,980.6	7,264.1 43,362.3 52,874.7 50,966.8 154,467.9
31 32 33 34 35 35	Commodify Charge First 60 Md Next 800 Md Next 600 Md Over 1,000 Md	\$3.0332 \$2.3446 \$2.2294 \$2.0294	\$1,850 9,135 12,533 15,660 \$39,178	\$1,888 9,297 12,936 13,068 \$37,189	\$2,275 10,512 14,763 14,603 \$42,153	\$2,231 10,514 11,518 7,470 \$31,733	\$2,106 9,045 9,176 9,032 \$29,358	\$1,437 6,564 6,140 5,781	\$1,395 6,416 6,596 3,842 \$18,249	\$1,549 7,041 7,708 4,253 \$20,551	\$1,609 6,816 7,605 5,962 \$21,991	\$1,834 7,345 7,592 5,995 \$22,766	\$1,838 9,173 9,540 7,925 \$28,477	\$2,023 9,809 11,773 9,842 \$33,446	\$22,033 101,667 117,879 103,432 \$345,012
36	Revenue Less Gas Cost		\$39,848	\$37,859	\$42,824	\$32,403	\$30,029	\$20,591	\$18,920	\$21,221	\$22,662	\$23,436	\$29,147	\$34,116	\$353,056
37	Gas Cost Revenue	\$0.0000	80	80	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
38	Total Revenue		\$39,848	\$37,859	\$42,824	\$32,403	\$30,029	\$20,591	\$18,920	\$21,221	\$22,662	\$23,436	\$29,147	\$34,116	\$353,056

Data: __Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 19 of 21 Witness: M. J. Bell

		ecasted					Proposed An	nualized								
Line <u>No.</u>	Rate Code	Class/ Description	Proposed Rates	<u>Jan-17</u>	<u>Feb-17</u>	<u>Mar-17</u>	<u>Apr-17</u>	<u>May-17</u>	<u>Jun-17</u>	<u>Jul-17</u>	<u>Aug-17</u>	<u>Sep-17</u>	Oct-17	<u>Nov-17</u>	<u>Dec-17</u>	<u>Total</u>
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)	(N)	(0)	(P)
1 [OS3	GTS Main Line Service - Industrial														
2		INDUSTRIAL														
3		Customer Bills		3	3	3	3	3 \$768	36 \$9,212							
4 5		Customer Charge Administrative Charge	\$255.90 \$0.00	\$768 \$0	\$768 \$0	\$768 \$0	\$768 \$0	\$0	\$0	\$768	\$0	\$0	\$0	\$0	\$0	\$0
6		Volumes (Mcf)[1]		58,289.0	56,724.0	56,724.0	57,213.0	57,995.0	58,484.0	55,942.0	54,866.0 \$4,708	55,746.0 \$4,783	58,093.0 \$4,984	57,604.0 \$4,942	53,301.0 \$4,573	680,981.0 \$58,428
7		Commodity Charge	\$0.0858	\$5,001	\$4,867	\$4,867	\$4,909	\$4,976	\$5,018	\$4,800	• /	. ,			* *	
8		Revenue Less Gas Cost		\$5,769	\$5,635	\$5,635	\$5,677	\$5,744	\$5,786	\$5,568	\$5,475	\$5,551	\$5,752	\$5,710	\$5,341	\$67,641
9		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$ 0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10		Total Revenue		\$5,769	\$5,635	\$5,635	\$5,677	\$5,744	\$5,786	\$5,568	\$5,475	\$5,551	\$5,752	\$5,710	\$5,341	\$67,641
11 I	-X1	GTS Flex Rate - Commercial														
12		COMMERCIAL														
13		Customer Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
14 15		Customer Charge Administrative Charge	\$1,062.95 \$0.00	\$1,063 \$0	\$12,755 \$0											
16 17		Volumes (Mcf) [1] Commodity Charge	\$0.3900	74,328.0 \$28,988	58,680.0 \$22,885	70,416.0 \$27,462	34,230.0 \$13,350	29,340.0 \$11,443	29,340.0 \$11,443	29,340.0 \$11,443	29,340.0 \$11,443	34,230.0 \$13,350	39,120.0 \$15,257	49,878.0 \$19,452	63,570.0 \$24,792	541,812.0 \$211,307
18		Revenue Less Gas Cost		\$30,051	\$23,948	\$28,525	\$14,413	\$12,506	\$12,506	\$12,506	\$12,506	\$14,413	\$16,320	\$20,515	\$25,855	\$224,062
19		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20		Total Revenue		\$30,051	\$23,948	\$28,525	\$14,413	\$12,506	\$12,506	\$12,506	\$12,506	\$14,413	\$16,320	\$20,515	\$25,855	\$224,062
21	FX2	GTS Flex Rate - Commercial														
22		COMMERCIAL														
23		Customer Bills	\$1,062.95	1 \$1,063	12 \$12,755											
24 25		Customer Charge Administrative Charge	\$1,062.95	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$0	\$1,003	\$1,003	\$1,003	\$0	\$0	\$0
26 27		Volumes (Mcf) [1] Commodity Charge	\$0.3900	44,010.0 \$17,164	56,724.0 \$22,122	33,252.0 \$12,968	47,922.0 \$18,690	37,164.0 \$14,494	37,164.0 \$14,494	39,120.0 \$15,257	37,164.0 \$14,494	41,076.0 \$16,020	50,856.0 \$19,834	54,768.0 \$21,360	54,768.0 \$21,360	533,988.0 \$208,255
28		Revenue Less Gas Cost		\$18,227	\$23,185	\$14,031	\$19,753	\$15,557	\$15,557	\$16,320	\$15,557	\$17,083	\$20,897	\$22,422	\$22,422	\$221,011
29		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30		Total Revenue		\$18,227	\$23,185	\$14,031	\$19,753	\$15,557	\$15,557	\$16,320	\$15,557	\$17,083	\$20,897	\$22,422	\$22,422	\$221,011

Data: __ Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 20 of 21 Witness: M. J. Bell

							Proposed An	nualized								
Line <u>No.</u>	Rate Code	Class/ Description	Proposed <u>Rates</u>	<u>Jan-17</u>	Feb-17	<u>Mar-17</u>	<u>Apr-17</u>	<u>May-17</u>	<u>Jun-17</u>	<u>Jul-17</u>	<u>Aug-17</u>	<u>Sep-17</u>	Oct-17	<u>Nov-17</u>	<u>Dec-17</u>	<u>Total</u>
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)	(N)	(0)	(P)
1	FX5	GTS Flex Rate - Industrial														
2		INDUSTRIAL														
3		Customer Bills		3	3	3	. 3	3	3	3	3	3	3	3	3	36
4		Customer Charge	\$255.90	\$768	\$768	\$768	\$768	\$768	\$768	\$768	\$768	\$768	\$768	\$768	\$768	\$9,212
5		Administrative Charge	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6		Volumes (Mcf) [1]		411,738.0	369,684.0	397,068.0	381,420.0	392,178.0	381,420.0	392,178.0	392,178.0	381,420.0	397,068.0	391,200.0	401,958.0	4,689,510.0
7		Commodity Charge	\$0.0858	\$35,327	\$31,719	\$34,068	\$32,726	\$33,649	\$32,726	\$33,649	\$33,649	\$32,726	\$34,068	\$33,565	\$34,488	\$402,360
8		Revenue Less Gas Cost		\$36,095	\$32,487	\$34,836	\$33,494	\$34,417	\$33,494	\$34,417	\$34,417	\$33,494	\$34,836	\$34,333	\$35,256	\$411,572
9		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10		Total Revenue		\$36,095	\$32,487	\$34,836	\$33,494	\$34,417	\$33,494	\$34,417	\$34,417	\$33,494	\$34,836	\$34,333	\$35,256	\$411,572
11 12	FX7	GTS Flex Rate - Industrial														
	FX7			1	1	1	1	1	1	1	1	1	1	1	1	12
12	FX7	INDUSTRIAL	\$1,062.95	1 \$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$12,755
12	FX7	INDUSTRIAL Customer Bills	\$1,062.95 \$0.00													
12 13 14	FX7	INDUSTRIAL Customer Bills Customer Charge Administrative Charge Volumes (Mcf) [1]		\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$12,755 \$0
12 13 14 15	FX7	INDUSTRIAL Customer Bills Customer Charge Administrative Charge Volumes (Mcf) [1] First 25,000 Mcf		\$1,063 \$0 25,000.0	\$1,063 \$0 25,000.0	\$1,063 \$0 25,000.0	\$1,063 \$0 25,000.0	\$1,063 \$0 25,000.0	\$1,063 \$0 25,000.0	\$1,063 \$0 25,000.0	\$1,063 \$0 25,000.0	\$1,063 \$0 25,000.0	\$1,063 \$0 25,000.0	\$1,063 \$0 25,000.0	\$1,063 \$0 25,000.0	\$12,755 \$0 300,000.0
12 13 14 15	FX7	INDUSTRIAL Customer Bills Customer Charge Administrative Charge Volumes (Mcf) [1]		\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$1,063 \$0	\$12,755 \$0
12 13 14 15 16 17 18	FX7	INDUSTRIAL Customer Bills Customer Charge Administrative Charge Volumes (Mcf) [1] First 25,000 Mcf		\$1,063 \$0 25,000.0 19,077.0	\$1,063 \$0 25,000.0 1,389.0 26,389.0	\$1,063 \$0 25,000.0 5,000.0 30,000.0	\$1,063 \$0 25,000.0 <u>5,000.0</u> 30,000.0	\$1,063 \$0 25,000.0 5,000.0 30,000.0	\$1,063 \$0 25,000.0 5,000.0 30,000.0	\$1,063 \$0 25,000.0 5,000.0 30,000.0	\$1,063 \$0 25,000.0 5,000.0 30,000.0	\$1,063 \$0 25,000.0 20,000.0 45,000.0	\$1,063 \$0 25,000.0 20,000.0 45,000.0	\$1,063 \$0 25,000.0 14,555.0 39,555.0	\$1,063 \$0 25,000.0 14,979.0 39,979.0	\$12,755 \$0 300,000.0 120,000.0 420,000.0
12 13 14 15 16 17 18	FX7	INDUSTRIAL Customer Bills Customer Charge Administrative Charge Volumes (Mcf) [1] First 25,000 Mcf Over 25,000 Mcf		\$1,063 \$0 25,000.0 19,077.0 44,077.0 \$12,250	\$1,063 \$0 25,000.0 1,389.0 26,389.0 \$12,250	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250	\$1,063 \$0 25,000.0 20,000.0 45,000.0 \$12,250	\$1,063 \$0 25,000.0 20,000.0 45,000.0 \$12,250	\$1,063 \$0 25,000.0 14,555.0 39,555.0 \$12,250	\$1,063 \$0 25,000.0 14,979.0 39,979.0 \$12,250	\$12,755 \$0 300,000.0 120,000.0 420,000.0 \$147,000
12 13 14 15 16 17 18 19 20	FX7	INDUSTRIAL Customer Bills Customer Charge Administrative Charge Volumes (Mcf) [1] First 25,000 Mcf Over 25,000 Mcf Commodity Charge	\$0.00	\$1,063 \$0 25,000.0 19,077.0 44,077.0 \$12,250 5,151	\$1,063 \$0 25,000.0 1,389.0 26,389.0 \$12,250 375	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350	\$1,063 \$0 25,000.0 20,000.0 45,000.0 \$12,250 5,400	\$1,063 \$0 25,000.0 20,000.0 45,000.0 \$12,250 5,400	\$1,063 \$0 25,000.0 14,555.0 39,555.0 \$12,250 3,930	\$1,063 \$0 25,000.0 14,979.0 39,979.0 \$12,250 4,044	\$12,755 \$0 300,000.0 120,000.0 420,000.0 \$147,000 32,400
12 13 14 15 16 17 18 19 20	FX7	INDUSTRIAL Customer Bills Customer Charge Administrative Charge Volumes (Mcf) [1] First 25,000 Mcf Over 25,000 Mcf Commodity Charge First 25,000 Mcf	\$0.00 \$0.4900	\$1,063 \$0 25,000.0 19,077.0 44,077.0 \$12,250	\$1,063 \$0 25,000.0 1,389.0 26,389.0 \$12,250	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250	\$1,063 \$0 25,000.0 20,000.0 45,000.0 \$12,250	\$1,063 \$0 25,000.0 20,000.0 45,000.0 \$12,250	\$1,063 \$0 25,000.0 14,555.0 39,555.0 \$12,250	\$1,063 \$0 25,000.0 14,979.0 39,979.0 \$12,250	\$12,755 \$0 300,000.0 120,000.0 420,000.0 \$147,000 32,400 \$179,400
12 13 14 15 16 17	FX7	INDUSTRIAL Customer Bills Customer Charge Administrative Charge Volumes (Mcf) [1] First 25,000 Mcf Over 25,000 Mcf Commodity Charge First 25,000 Mcf	\$0.00 \$0.4900	\$1,063 \$0 25,000.0 19,077.0 44,077.0 \$12,250 5,151	\$1,063 \$0 25,000.0 1,389.0 26,389.0 \$12,250 375	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350	\$1,063 \$0 25,000.0 20,000.0 45,000.0 \$12,250 5,400	\$1,063 \$0 25,000.0 20,000.0 45,000.0 \$12,250 5,400	\$1,063 \$0 25,000.0 14,555.0 39,555.0 \$12,250 3,930	\$1,063 \$0 25,000.0 14,979.0 39,979.0 \$12,250 4,044	\$12,755 \$0 300,000.0 120,000.0 420,000.0 \$147,000 32,400
12 13 14 15 16 17 18 19 20 21	FX7	INDUSTRIAL Customer Bills Customer Charge Administrative Charge Volumes (Mcf) [1] First 25,000 Mcf Over 25,000 Mcf Commodity Charge First 25,000 Mcf Over 25,000 Mcf	\$0.00 \$0.4900	\$1,063 \$0 25,000.0 19,077.0 44,077.0 \$12,250 5,151 \$17,401	\$1,063 \$0 25,000.0 1,389.0 26,389.0 \$12,250 375 \$12,625	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350 \$13,600	\$1,063 \$0 25,000.0 <u>5,000.0</u> 30,000.0 \$12,250 <u>1,350</u> \$13,600	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350 \$13,600	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350 \$13,600	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350 \$13,600	\$1,063 \$0 25,000.0 5,000.0 30,000.0 \$12,250 1,350 \$13,600	\$1,063 \$0 25,000.0 20,000.0 45,000.0 \$12,250 5,400 \$17,650	\$1,063 \$0 25,000.0 20,000.0 45,000.0 \$12,250 5,400 \$17,650	\$1,063 \$0 25,000.0 14,555.0 39,555.0 \$12,250 3,930 \$16,180	\$1,063 \$0 25,000.0 14,979.0 39,979.0 \$12,250 4,044 \$16,294	\$12,755 \$0 300,000.0 120,000.0 420,000.0 \$147,000 32,400 \$179,400

^[1] Reflects Normalized Volumes.

Data: __ Base Period _X_ Forecasted Period Type of Filing: X Original _ Update _ Revised Work Paper Reference No(s): 12 Months Forecasted

Schedule M-2.3 Page 21 of 21 Witness: M. J. Bell

Proposed	Annual	lizec

	Rate Code (A)	Class/ <u>Description</u> (B)	Proposed <u>Rates</u> (C)	<u>Jan-17</u> (D)	<u>Feb-17</u> (E)	Mar-17 (F)	Apr-17 (G)	May-17 (H)	<u>Jun-17</u> (I)	<u>Jul-17</u> (J)	<u>Aug-17</u> (K)	<u>Sep-17</u> (L)	Oct-17 (M)	Nov-17 (N)	Dec-17 (O)	Total (P)
1 S	SAS	GTS Special Agency Service														
2		COMMERCIAL														
3		Customer Bills		0	0	0	0	0	0	0	.0	0	0	0	0	0
4		Customer Charge	\$2,007.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0
5		Administrative Charge	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
6		Accelerated Main Replacement Program	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7		Volumes (Mcf) [1] First 30.000 Mcf		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 9		Over 100,000 Mcf		0.0	0.0	0.0 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9		Over 100,000 Mici		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10		Commodity Charge											\$0	\$0	\$0	\$0
11		First 30,000 Mcf	\$0.6321	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.00	<u>0.00</u>	0.00	0.00
12		Over 100,000 Mcf	\$0.3773	<u>0.00</u> \$0	<u>0.00</u> \$0	<u>0.00</u> \$0	<u>0.00</u> \$0	<u>0.00</u> \$0	<u>0.00</u> \$0	0.00 \$0	<u>0.00</u> \$0	<u>0.00</u> \$0	\$0	\$0	\$0	\$0
13		Revenue Less Gas Cost		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14		Gas Cost Revenue	\$0.0000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15		Total Revenue		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16 5	SC3	GTS Special Rate - Industrial														
17		INDUSTRIAL														
40		Customer Bills		1	1	1	1	1	1	1	1	1	1	1	1	12
18 19		Customer Charge	\$1,062.95	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$1,063	\$12,755
20		Administrative Charge	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21		Volumes (Mcf) [1]														
22		First 150,000 Mcf		150,000.0	150,000.0	140,000.0	140,000.0	130,000.0	130,000.0	130,000.0	130,000.0	130,000.0	130,000.0	140,000.0	150,000.0	1,650,000.0
23		Over 150,000 Mcf		15,000.0 165,000.0	<u>5,000.0</u> 155,000.0	<u>0.0</u> 140,000.0	(12,000.0) 128,000.0	(19,000.0) 111,000.0	(28,000.0) 102,000.0	(28,000.0) 102,000.0	(28,000.0) 102,000.0	(10,000.0) 120,000.0	15,000.0 145,000.0	10,000.0 150,000.0	10,000.0 160,000.0	(70,000.0) 1,580,000.0
24		Commodity Charge		,												
25		First 150,000 Mcf	\$0.2900	\$43,500	\$43,500	\$40,600	\$40,600	\$37,700	\$37,700	\$37,700	\$37,700	\$37,700	\$37,700	\$40,600	\$43,500	\$478,500
26		Over 150,000 Mcf	\$0.1600	2,400	<u>800</u>	<u>0</u>	(1,920)	(3,040)	(4,480)	(4,480)	(4,480)	(1,600)	2,400	1,600	1,600	(11,200)
				\$45,900	\$44,300	\$40,600	\$38,680	\$34,660	\$33,220	\$33,220	\$33,220	\$36,100	\$40,100	\$42,200	\$45,100	\$467,300
27		Revenue Less Gas Cost		\$46,963	\$45,363	\$41,663	\$39,743	\$35,723	\$34,283	\$34,283	\$34,283	\$37,163	\$41,163	\$43,263	\$46,163	\$480,055
28		Adjustment to Minimum Bill		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$185,945	\$185,945
29		Total Revenue		\$46,963	\$45,363	\$41,663	\$39,743	\$35,723	\$34,283	\$34,283	\$34,283	\$37,163	\$41,163	\$43,263	\$232,108	\$666,000
				¥	,	. ,.,.										

DO NOT FILE	Residentia CC	al Tariff 1,588,902	1,591,846	1,592,950	1,592,630	1,584,918	1,569,782	1,556,102	1,562,150	1,551,942	1,551,558	1,568,134	1,583,078	18,893,986

KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

Amrp	_	_	_	_	_	_	_	_	_	_	_	_	_
Vol Rec	4,786,757	4,639,945	3,480,138	1,985,782	933,593	445,296	319,587	308,853	319,576	509,646	1,468,359	3,257,076	22,454,607
Gas Cost	2,943,328	2,853,048	2,139,916	1,221,032	574,051	273,806	196,509	189,913	196,502	313,366	902,863	2,002,761	13,807,095
EECP Rider	68,509	68,636	68,684	68,670	68,338	67,685	67,095	67,356	66,916	66,899	67,614	68,258	814,660
Uncoll Rider	34,630	33,570	25,178	14,366	6,754	3,222	2,312	2,234	2,312	3,686	10,622	23,563	162,450
EAP Rider	79,515	77,082	57,814	32,987	15,509	7,398	5,309	5,131	5,309	8,465	24,390	54,104	373,010
EAF RIGEI												-	
	9,501,640	9,264,126	7,364,680	4,915,467	3,183,162	2,367,188	2,146,913	2,135,636	2,142,556	2,453,620	4,041,981	6,988,839	56,505,808
Commercial Tar													
CC	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Amrp Vol Rec	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
												#REF!	
Gas Cost	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!		#REF!
Uncoll. Rider	17,179	17,032	11,878	7,210	3,496	2,099	1,475	1,372	1,347	2,006	4,447	11,013	80,554
	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Industrial Tariff													
CC	1,922	1,922	1,922	1,922	1,922	1,966	1,966	2,011	1,966	1,966	1,966	1,966	23,418
Amrp	-	-	-	-	-	-	-	-	-	-	-	-	-
Vol Rec	71,951	69,554	67,417	64,890	61,994	59,409	59,408	61,754	61,747	66,366	66,845	67,348	778,681
Gas Cost	72,901	70,691	68,261	65,831	63,623	61,302	61,302	63,512	63,512	68,151	68,261	68,482	795,829
Uncoll. Rider	858	832	803	775	749	722	722	748	748	802	803	806	9,367
	147,631	142,998	138,403	133,417	128,288	123,399	123,398	128,024	127,973	137,285	137,876	138,602	1,607,294
Wholesale Tarif	f												
CC	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,135	13,618
Amrp	1,133	1,100	1,133	1,133	1,133	1,133	1,133	1,100	1,133	1,133	1,133	1,133	13,010
Vol Rec	3,650	2,684	1,278	747	422	258	285	228	229	821	1,180	1,390	13,172
Gas Cost	6,929	5,097	2,427	1,418	802	489	541	434	434	1,558	2,241	2,639	25,009
Uncoll. Rider	82	60	29	1,410	9	6	6	5	5	1,556	2,241	31	25,009
Oncoil. Ridei													
	11,795	8,976	4,869	3,316	2,368	1,887	1,967	1,802	1,803	3,532	4,582	5,195	52,092
Total Tariff													
CC Amrp	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Vol Rec	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
Gas Cost	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
EECP Rider	68,509	68,636	68,684	68,670	68,338	67,685	67,095	67,356	66,916	66,899	67,614	68,258	814,660
Uncoll Rider	52,748	51,494	37,888	22,368	11,009	6,048	4,515	4,360	4,411	6,513	15,899	35,413	252,665
EAP Rider	79,515	77,082	57,814	32,987	15,509	7,398	5,309	5,131	5,309	8,465	24,390	54,104	373,010
EAP Rider	79,515 #REF!			32,987 #REF!		7,398 #REF!	5,309 #REF!	5,131 #REF!	5,309 #REF!	8,465 #REF!	24,390 #REF!		
EAP Rider		77,082	57,814		15,509							54,104	373,010
Residential Cho	#REF!	77,082 #REF!	57,814 #REF!	#REF!	15,509 #REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	54,104 #REF!	373,010 #REF!
Residential Cho	#REF!	77,082	57,814		15,509							54,104	373,010
Residential Cho	#REF!	77,082 #REF! 380,560	57,814 #REF! 380,576	#REF! 379,104	15,509 #REF! 377,792	#REF!	#REF! 371,808	#REF! 371,568	#REF!	#REF!	#REF! 375,328	54,104 #REF!	373,010 #REF! 4,511,136
Residential Cho CC Amrp Vol Rec	#REF! sice/ Trans 379,520 - 1,307,743	77,082 #REF! 380,560 - 1,268,223	57,814 #REF! 380,576 - 952,066	#REF! 379,104 - 542,498	15,509 #REF! 377,792 - 255,082	#REF! 374,176 - 122,152	#REF! 371,808 - 86,225	#REF! 371,568 - 82,632	#REF! 370,864 - 89,818	#REF! 371,008 - 140,115	#REF! 375,328 - 398,790	54,104 #REF! 378,832 - 887,397	373,010 #REF! 4,511,136 - 6,132,739
Residential Cho CC Amrp Vol Rec EECP Rider	#REF! vice/ Trans 379,520 - 1,307,743 16,367	77,082 #REF! 380,560 - 1,268,223 16,412	380,576 - 952,066 16,412	#REF! 379,104 - 542,498 16,349	15,509 #REF! 377,792 - 255,082 16,292	#REF! 374,176 - 122,152 16,136	#REF! 371,808 - 86,225 16,034	#REF! 371,568 - 82,632 16,024	#REF! 370,864 - 89,818 15,994	#REF! 371,008 - 140,115 16,000	#REF! 375,328 - 398,790 16,186	378,832 - 887,397 16,337	373,010 #REF! 4,511,136 - 6,132,739 194,543
Residential Cho CC Amrp Vol Rec	#REF! sice/ Trans 379,520 - 1,307,743	77,082 #REF! 380,560 - 1,268,223	57,814 #REF! 380,576 - 952,066	#REF! 379,104 - 542,498	15,509 #REF! 377,792 - 255,082	#REF! 374,176 - 122,152	#REF! 371,808 - 86,225	#REF! 371,568 - 82,632	#REF! 370,864 - 89,818	#REF! 371,008 - 140,115	#REF! 375,328 - 398,790	54,104 #REF! 378,832 - 887,397	373,010 #REF! 4,511,136 - 6,132,739
Residential Cho CC Amrp Vol Rec EECP Rider	#REF! vice/ Trans 379,520 - 1,307,743 16,367	77,082 #REF! 380,560 - 1,268,223 16,412	380,576 - 952,066 16,412	#REF! 379,104 - 542,498 16,349	15,509 #REF! 377,792 - 255,082 16,292	#REF! 374,176 - 122,152 16,136	#REF! 371,808 - 86,225 16,034	#REF! 371,568 - 82,632 16,024	#REF! 370,864 - 89,818 15,994	#REF! 371,008 - 140,115 16,000	#REF! 375,328 - 398,790 16,186	378,832 - 887,397 16,337	373,010 #REF! 4,511,136 - 6,132,739 194,543
Residential Cho CC Amrp Vol Rec EECP Rider EAP Rider	#REF! bice/ Trans 379,520 - 1,307,743 16,367 21,731 1,725,360	77,082 #REF! 380,560 - 1,268,223 16,412 21,074	57,814 #REF! 380,576 - 952,066 16,412 15,821	#REF! 379,104 - 542,498 16,349 9,015	15,509 #REF! 377,792 - 255,082 16,292 4,239	#REF! 374,176 - 122,152 16,136 2,030	#REF! 371,808 - 86,225 16,034 1,433	#REF! 371,568 - 82,632 16,024 1,373	#REF! 370,864 - 89,818 15,994 1,493	#REF! 371,008 - 140,115 16,000 2,328	#REF! 375,328 - 398,790 16,186 6,627	54,104 #REF! 378,832 - 887,397 16,337 14,746	373,010 #REF! 4,511,136 - 6,132,739 194,543 101,908
Residential Cho CC Amrp Vol Rec EECP Rider	#REF! oice/ Trans 379,520 - 1,307,743 16,367 21,731 1,725,360 ansportation	77,082 #REF! 380,560 1,268,223 16,412 21,074 1,686,269	57,814 #REF! 380,576 952,066 16,412 15,821 1,364,874	#REF! 379,104 - 542,498 16,349 9,015 946,965	15,509 #REF! 377,792 - 255,082 16,292 4,239 653,405	#REF! 374,176 - 122,152 16,136 2,030 514,494	#REF! 371,808 - 86,225 16,034 1,433 475,500	#REF! 371,568 - 82,632 16,024 1,373 471,597	#REF! 370,864 - 89,818 15,994 1,493 478,168	#REF! 371,008 - 140,115 16,000 2,328 529,451	#REF! 375,328 - 398,790 16,186 6,627 796,930	54,104 #REF! 378,832 887,397 16,337 14,746 1,297,312	373,010 #REF! 4,511,136 -6,132,739 194,543 101,908 10,940,326
Residential Cho CC Amrp Vol Rec EECP Rider EAP Rider Commercial Tra	#REF! bice/ Trans 379,520 - 1,307,743 16,367 21,731 1,725,360	77,082 #REF! 380,560 - 1,268,223 16,412 21,074	57,814 #REF! 380,576 - 952,066 16,412 15,821	#REF! 379,104 - 542,498 16,349 9,015	15,509 #REF! 377,792 - 255,082 16,292 4,239	#REF! 374,176 - 122,152 16,136 2,030	#REF! 371,808 - 86,225 16,034 1,433	#REF! 371,568 - 82,632 16,024 1,373	#REF! 370,864 - 89,818 15,994 1,493	#REF! 371,008 - 140,115 16,000 2,328	#REF! 375,328 - 398,790 16,186 6,627	54,104 #REF! 378,832 - 887,397 16,337 14,746	373,010 #REF! 4,511,136 - 6,132,739 194,543 101,908
Residential Cho CC Amrp Vol Rec EECP Rider EAP Rider Commercial Tra	#REF! oice/ Trans 379,520 - 1,307,743 16,367 21,731 1,725,360 ansportation	77,082 #REF! 380,560 1,268,223 16,412 21,074 1,686,269	57,814 #REF! 380,576 952,066 16,412 15,821 1,364,874	#REF! 379,104 - 542,498 16,349 9,015 946,965	15,509 #REF! 377,792 - 255,082 16,292 4,239 653,405	#REF! 374,176 - 122,152 16,136 2,030 514,494	#REF! 371,808 - 86,225 16,034 1,433 475,500	#REF! 371,568 - 82,632 16,024 1,373 471,597	#REF! 370,864 - 89,818 15,994 1,493 478,168	#REF! 371,008 - 140,115 16,000 2,328 529,451	#REF! 375,328 - 398,790 16,186 6,627 796,930	54,104 #REF! 378,832 887,397 16,337 14,746 1,297,312	373,010 #REF! 4,511,136 -6,132,739 194,543 101,908 10,940,326
Residential Cho CC Amrp Vol Rec EECP Rider EAP Rider Commercial Tra CC Amrp	#REF! bice/ Trans 379,520 1,307,743 16,367 21,731 1,725,360 ansportation 256,425	77,082 #REF! 380,560 - 1,268,223 16,412 21,074 1,686,269	57,814 #REF! 380,576 952,066 16,412 15,821 1,364,874 249,802	#REF! 379,104 - 542,498 16,349 9,015 946,965 249,266	15,509 #REF! 377,792 - 255,082 16,292 4,239 653,405 248,238	#REF! 374,176	#REF! 371,808 86,225 16,034 1,433 475,500 250,375	#REF! 371,568 82,632 16,024 1,373 471,597	#REF! 370,864 89,818 15,994 1,493 478,168	#REF! 371,008 - 140,115 16,000 2,328 529,451 243,139	#REF! 375,328 398,790 16,186 6,627 796,930	54,104 #REF! 378,832 - 887,397 16,337 14,746 1,297,312	373,010 #REF! 4,511,136 - 6,132,739 194,543 101,908 10,940,326 3,011,304
Residential Cho CC Amp Vol Rec EECP Rider EAP Rider Commercial Tra CC Amp Vol Rec	#REF! sice/ Trans 379,520 1,307,743 16,367 21,731 1,725,360 ansportation 256,425 1,044,190 1,300,615	77,082 #REF! 380,560 1,268,223 16,412 21,074 1,686,269 237,110	57,814 #REF! 380,576 952,066 16,412 15,821 1,364,874 249,802 803,388	#REF! 379,104 - 542,498 16,349 9,015 946,965 249,266 - 546,758	15,509 #REF! 377,792 - 255,082 16,292 4,239 653,405 248,238 - 371,676	#REF! 374,176 - 122,152 16,136 2,030 514,494 247,523 - 290,190	#REF! 371,808 - 86,225 16,034 1,433 475,500 250,375 - 272,421	#REF! 371,568 82,632 16,024 1,373 471,597 245,687 - 264,187	#REF! 370,864 89,818 15,994 1,493 478,168 244,257 - 285,847	#REF! 371,008 - 140,115 16,000 2,328 529,451 243,139 - 370,579	#REF! 375,328 398,790 16,186 6,627 796,930 244,208 537,564	54,104 #REF! 378,832 887,397 16,337 14,746 1,297,312 295,273 800,877	373,010 #REFI 4,511,136 6,132,739 194,543 101,908 10,940,326 3,011,304
Residential Cho CC Amrp Vol Rec EECP Rider EAP Rider Commercial Tra CC Amrp Vol Rec Industrial Trans	#REF! sice/ Trans 379,520 1,307,743 16,367 21,731 1,725,360 ansportation 256,425 1,044,190 1,300,615 portation	77,082 #REFI 380,560 1,268,223 16,412 21,074 1,686,269 237,110 1,008,989 1,246,100	57,814 #REFI 380,576 952,066 16,412 15,821 1,364,874 249,802 803,388 1,053,190	#REFI 379,104 - 542,498 16,349 9,015 946,965 249,266 546,758 796,024	15,509 #REF! 377,792 255,082 16,292 4,239 653,405 248,238 371,676 619,914	#REF! 374,176 - 122,152 16,136 2,030 514,494 247,523 - 290,190 537,713	#REF! 371,808 - 86,225 16,034 1,433 475,500 250,375 - 272,421 522,796	#REF! 371,568 82,632 16,024 1,373 471,597 245,687 264,187 509,874	#REFI 370,864 89,818 15,994 1,493 478,168 244,257 285,847 530,103	#REF! 371,008 -140,115 16,000 2,328 529,451 243,139 370,579 613,719	#REF! 375,328 398,790 16,186 6,627 796,930 244,208 537,564 781,772	54,104 #REFI 378,832 887,397 16,337 14,746 1,297,312 295,273 800,877 1,096,150	373,010 #REFI 4,511,136 6,132,739 194,543 101,908 10,940,326 3,011,304 6,596,667 9,607,970
Residential Cho CC Amrp Vol Rec EECP Rider EAP Rider CC CA Amrp Vol Rec Industrial Trans CC	#REF! sice/ Trans 379,520 1,307,743 16,367 21,731 1,725,360 ansportation 256,425 1,044,190 1,300,615	77,082 #REF! 380,560 1,268,223 16,412 21,074 1,686,269 237,110	57,814 #REF! 380,576 952,066 16,412 15,821 1,364,874 249,802 803,388	#REF! 379,104 - 542,498 16,349 9,015 946,965 249,266 - 546,758	15,509 #REF! 377,792 - 255,082 16,292 4,239 653,405 248,238 - 371,676	#REF! 374,176 - 122,152 16,136 2,030 514,494 247,523 - 290,190	#REF! 371,808 - 86,225 16,034 1,433 475,500 250,375 - 272,421	#REF! 371,568 82,632 16,024 1,373 471,597 245,687 - 264,187	#REF! 370,864 89,818 15,994 1,493 478,168 244,257 - 285,847	#REF! 371,008 - 140,115 16,000 2,328 529,451 243,139 - 370,579	#REF! 375,328 398,790 16,186 6,627 796,930 244,208 537,564	54,104 #REF! 378,832 887,397 16,337 14,746 1,297,312 295,273 800,877	373,010 #REFI 4,511,136 6,132,739 194,543 101,908 10,940,326 3,011,304
Residential Cho CC Amrp Vol Rec EECP Rider EAP Rider Commercial Tra CC Amrp Vol Rec Industrial Trans	#REF! sice/ Trans 379,520 1,307,743 16,367 21,731 1,725,360 ansportation 256,425 1,044,190 1,300,615 portation	77,082 #REFI 380,560 1,268,223 16,412 21,074 1,686,269 237,110 1,008,989 1,246,100	57,814 #REFI 380,576 952,066 16,412 15,821 1,364,874 249,802 803,388 1,053,190	#REFI 379,104 - 542,498 16,349 9,015 946,965 249,266 546,758 796,024	15,509 #REF! 377,792 255,082 16,292 4,239 653,405 248,238 371,676 619,914	#REF! 374,176 - 122,152 16,136 2,030 514,494 247,523 - 290,190 537,713	#REF! 371,808 - 86,225 16,034 1,433 475,500 250,375 - 272,421 522,796	#REF! 371,568 82,632 16,024 1,373 471,597 245,687 264,187 509,874	#REFI 370,864 89,818 15,994 1,493 478,168 244,257 285,847 530,103	#REF! 371,008 -140,115 16,000 2,328 529,451 243,139 370,579 613,719	#REF! 375,328 398,790 16,186 6,627 796,930 244,208 537,564 781,772	54,104 #REFI 378,832 887,397 16,337 14,746 1,297,312 295,273 800,877 1,096,150	373,010 #REFI 4,511,136 6,132,739 194,543 101,908 10,940,326 3,011,304 6,596,667 9,607,970
Residential Cho CC Amrp Vol Rec EECP Rider EAP Rider CC Amrp Vol Rec Industrial Trans CC Amrp	#REF! bice/ Trans 379,520 1,307,743 16,367 21,731 1,725,360 ansportation 256,425 1,044,190 1,300,615 portation 83,186	77,082 #REF! 380,560 1,268,223 16,412 21,074 1,686,269 237,110 1,008,989 1,246,100	57,814 #REF! 380,576 - 952,066 16,412 15,821 1,364,874 249,802 803,388 1,053,190	#REFI 379,104 - 542,498 16,349 9,015 946,965 249,266 - 546,758 796,024	15,509 #REF! 377,792 255,082 16,292 4,239 653,405 248,238 371,676 619,914 83,141	#REF! 374,176	#REFI 371,808 86,225 16,034 1,433 475,500 250,375 272,421 522,796 83,141	#REFI 371,568 82,632 16,024 1,373 471,597 245,687 264,187 509,874 83,141	#REFI 370,864 88,818 15,994 1,493 478,168 244,257 285,847 530,103 83,141	#REFI 371,008 140,115 16,000 2,328 529,451 243,139 370,579 613,719 83,141	#REF! 375,328 398,790 16,186 6,627 796,930 244,208 537,564 781,772 83,186	54,104 #REF! 378,832 	373,010 #REF! 4,511,136 6,132,739 194,543 101,908 10,940,326 3,011,304 - 6,596,667 9,607,970
Residential Cho CC Ammp Vol Rec EECP Rider EAP Rider Commercial Tra CC Ammp Vol Rec Industrial Trans CC Ammp Vol Rec	#REF! bice/ Trans 379,520 1,307,743 16,367 21,731 1,725,360 ansportation 256,425 1,044,190 1,300,615 portation 83,186 496,117 579,303	77,082 #REFI 380,560 1,268,223 16,412 21,074 1,686,269 237,110 1,008,989 1,246,100 83,186 451,961	57,814 #REFI 380,576 952,066 16,412 15,821 1,364,874 249,802 803,388 1,053,190 83,141 422,545	#REFI 379,104 - 542,498 16,349 9,015 946,965 249,266 546,758 796,024 83,186 - 368,956	15,509 #REFI 377,792 255,082 16,292 4,239 653,405 248,238 371,676 619,914 83,141 338,899	#REF! 374,176 - 122,152 16,136 2,030 514,494 247,523 290,190 537,713 83,141 314,117	#REFI 371,808 - 86,225 - 16,034 - 1,433 - 475,500 250,375 - 272,421 - 522,796 83,141 - 289,887	#REFI 371,568 82,632 16,024 1,373 471,597 245,687 264,187 509,874 83,141 316,231	#REFI 370,864 89,818 15,994 1,493 478,168 244,257 285,847 530,103 83,141 334,330	#REFI 371,008 140,115 16,000 2,328 529,451 243,139 370,579 613,719 83,141 382,063	#REF! 375,328 398,790 16,186 6,627 796,930 244,208 537,564 781,772 83,186 426,526	54,104 #REFI 378,832 887,397 16,337 14,746 1,297,312 295,273 800,877 1,096,150 83,186 444,885	373,010 #REFI 4,511,136 6,132,739 194,543 101,908 10,940,326 3,011,304 6,596,667 9,607,970 997,915 4,586,518
Residential Cho CC Amrp Vol Rec EECP Rider EAP Rider CC Amrp Vol Rec Industrial Trans CC Amrp Vol Rec Total Transports	#REF! sice/ Trans 379,520 1,307,743 16,367 21,731 1,725,360 ansportation 256,425 1,044,190 1,300,615 portation 83,186 496,117 579,303 attion	77,082 #REFI 380,560 1,268,223 16,412 21,074 1,686,269 237,110 1,008,989 1,246,100 83,186 451,961 535,147	57,814 #REFI 380,576 952,066 16,412 1,364,874 249,802 803,388 1,053,190 83,141 422,545 505,686	#REFI 379,104 - 542,498 16,349 9,015 946,965 249,266 546,758 796,024 83,186 - 368,956 452,141	15,509 #REFI 377,792 255,082 16,292 4,239 653,405 248,238 371,676 619,914 83,141 338,899 422,040	#REF! 374,176 - 122,152 16,136 2,030 514,494 247,523 290,190 537,713 83,141 314,117 397,258	#REFI 371,808 - 86,225 - 16,034 - 1,433 - 475,500 250,375 - 272,421 - 522,796 83,141 - 289,887 - 373,028	#REFI 371,568 82,632 16,024 1,373 471,597 245,687 264,187 509,874 83,141 316,231 399,372	#REFI 370,864 89,818 15,994 1,493 478,168 244,257 285,847 530,103 83,141 334,330 417,471	#REFI 371,008 140,115 16,000 2,328 529,451 243,139 370,579 613,719 83,141 382,063 465,204	#REF! 375,328 398,790 16,186 6,627 796,930 244,208 537,564 781,772 83,186 426,526 509,711	54,104 #REFI 378,832 - 887,397 16,337 14,746 1,297,312 295,273 - 800,877 1,096,150 83,186 444,885 528,071	373,010 #REFI 4,511,136 6,132,739 194,543 101,908 10,940,326 3,011,304 6,596,667 9,607,970 997,915 4,586,518 5,584,432
Residential Cho CC Ammp Vol Rec EECP Rider EAP Rider Commercial Tra CC Ammp Vol Rec Industrial Trans CC Ammp Vol Rec Total Transport CC	#REF! bice/ Trans 379,520 1,307,743 16,367 21,731 1,725,360 ansportation 256,425 1,044,190 1,300,615 portation 83,186 496,117 579,303 ation 719,130	77,082 #REF! 380,560 1,268,223 16,412 21,074 1,686,269 237,110 1,008,989 1,246,100 83,186 451,961 535,147	57,814 #REFI 380,576 952,066 16,412 15,821 1,364,874 249,802 803,388 1,053,190 83,141 422,545	#REF! 379,104 -542,498 16,349 9,015 946,965 249,266 -546,758 796,024 83,186 -368,956 452,141 711,556	15,509 #REF! 377,792 255,082 16,292 4,239 653,405 248,238 371,676 619,914 83,141 338,899 422,040	#REF! 374,176 122,152 16,136 2,030 514,494 247,523 290,190 537,713 83,141 314,117 397,258	#REFI 371,808 86,225 16,034 1,433 475,500 250,375 272,421 522,796 83,141 289,887 373,028	#REF! 371,568 82,632 16,024 1,373 471,597 245,687 264,187 509,874 83,141 316,231 399,372	#REFI 370,864 88,818 15,994 1,493 478,168 244,257 285,847 530,103 83,141 334,330 417,471	#REF! 371,008 140,115 16,000 2,328 529,451 243,139 370,579 613,719 83,141 382,063 465,204	#REF! 375,328 398,790 16,186 6,627 796,930 244,208 537,564 781,772 83,186 426,526 509,711	54,104 #REFI 378,832 887,397 16,337 14,746 1,297,312 295,273 800,877 1,096,150 83,186 444,885 528,071	373,010 #REFI 4,511,136 6,132,739 194,543 101,908 10,940,326 3,011,304 6,596,667 9,607,970 997,915 4,586,518
Residential Cho CC Amrp Vol Rec EECP Rider EAP Rider Commercial Tra CC Amrp Vol Rec Industrial Trans CC Amrp Vol Rec Total Transport CC Amrp	#REF! **ice/ Trans 379,520 1,307,743 16,367 21,731 1,725,360 **ansportation 256,425 1,044,190 1,300,615 **portation 83,186 496,117 579,303 **ation 719,130	77,082 #REFI 380,560 1,268,223 16,412 21,074 1,686,269 237,110 1,008,989 1,246,100 83,186 451,961 535,147	57,814 #REFI 380,576 952,066 16,412 15,821 1,364,874 249,802 803,388 1,053,190 83,141 422,545 505,686	#REFI 379,104	15,509 #REFI 377,792 255,082 16,292 4,239 653,405 248,238 371,676 619,914 83,141 338,899 422,040	#REF! 374,176 122,152 16,136 2,030 514,494 247,523 290,190 537,713 83,141 314,117 397,258	#REFI 371,808 86,225 16,034 1,433 475,500 250,375 272,421 522,796 83,141 289,887 373,028	#REFI 371,568 82,632 16,024 1,373 471,597 245,687 264,187 509,874 83,141 316,231 399,372	#REFI 370,864 88,818 15,994 1,493 478,168 244,257 285,847 530,103 83,141 334,330 417,471 698,262	#REFI 371,008 140,115 16,000 2,328 529,451 243,139 370,579 613,719 83,141 382,063 465,204	#REF! 375,328 398,790 16,186 6,627 796,930 244,208 537,564 781,772 83,186 426,526 509,711 702,722	54,104 #REFI 378,832 887,397 16,337 14,746 1,297,312 295,273 800,877 1,096,150 83,186 444,885 528,071	373,010 #REF! 4,511,136 6,132,739 194,543 101,908 10,940,326 3,011,304 6,596,667 9,607,970 997,915 4,586,518 5,584,432
Residential Cho CC Amp Vol Rec EECP Rider EAP Rider CC CA Amp Vol Rec Industrial Trans CC Amp Vol Rec Total Transport CC Amp	#REF! bice/ Trans	77,082 #REFI 380,560 1,268,223 16,412 21,074 1,686,269 237,110 1,008,989 1,246,100 83,186 451,961 535,147 700,856 2,729,174	57,814 #REFI 380,576 952,066 16,412 15,821 1,364,874 249,802 803,388 1,053,190 83,141 422,545 505,686 713,519 2,177,998	#REF! 379,104 -1 542,498 16,349 9,015 946,965 249,266 -546,758 796,024 83,186 -368,956 452,141 711,556 1,458,212	15,509 #REF! 377,792 255,082 16,292 4,239 653,405 248,238 371,676 619,914 83,141 338,899 422,040	#REF! 374,176 - 122,152 16,136 2,030 514,494 247,523 290,190 537,713 83,141 314,117 397,258 704,840 726,459	#REFI 371,808 86,225 16,034 1,433 475,500 250,375 272,421 522,796 83,141 288,887 373,028 705,324 648,532	#REFI 371,568 82,632 16,024 1,373 471,597 245,687 264,187 509,874 83,141 316,231 399,372 700,396 663,050	#REFI 370,864 88,818 15,994 1,493 478,168 244,257 285,847 530,103 83,141 334,330 417,471 698,262 709,994	#REFI 371,008 140,115 16,000 2,328 529,451 243,139 370,579 613,719 83,141 382,063 465,204	#REF! 375,328 398,790 16,186 6,627 796,930 244,208 537,564 781,772 83,186 426,526 509,711 702,722 1,362,879	54,104 #REFI 378,832 887,397 16,337 14,746 1,297,312 295,273 	373,010 #REFI 4,511,136 6,132,739 194,543 101,908 10,940,326 3,011,304 6,596,667 9,607,970 997,915 4,586,518 5,584,432 8,520,355 17,315,923
Residential Cho CC Ammp Vol Rec EECP Rider EAP Rider Commercial Tra CC Ammp Vol Rec Industrial Trans, CC Ammp Vol Rec Total Transport: CC Ammp Vol Rec EECP Rider	#REF! bice/ Trans 379,520 1,307,743 16,367 21,731 1,725,360 ansportation 256,425 1,044,190 1,300,615 portation 83,186 496,117 579,303 ation 719,130 2,848,051 16,367	77,082 #REFI 380,560 1,268,223 16,412 21,074 1,686,269 237,110 1,008,989 1,246,100 83,186 451,961 535,147 700,856 2,729,174 16,412	380,576 952,066 16,412 15,821 1,364,874 249,802 803,388 1,053,190 83,141 422,545 505,686	#REF! 379,104 -542,498 16,349 9,015 946,965 249,266 -546,758 796,024 83,186 -368,956 -452,141 711,556 1,458,212 16,349	15,509 #REFI 377,792 255,082 16,292 4,239 653,405 248,238 371,676 619,914 83,141 338,899 422,040 709,171 965,657 16,292	#REF! 374,176	#REFI 371,808 86,225 16,034 1,433 475,500 250,375 272,421 522,796 83,141 288,887 373,028 705,324 648,532 16,034	#REFI 371,568 82,632 16,024 1,373 471,597 245,687 264,187 509,874 83,141 316,231 399,372 700,396 663,050 16,024	#REFI 370,864 88,818 15,994 1,493 478,168 244,257 285,847 530,103 83,141 334,330 417,471 698,262 709,994 15,994	#REFI 371,008 140,115 16,000 2,328 529,451 243,139 370,579 613,719 83,141 382,063 465,204 697,288 892,758 16,000	#REF! 375,328 398,790 16,186 6,627 796,930 244,208 537,564 781,772 83,186 426,526 509,711 702,722 1,362,879 16,186	54,104 #REFI 378,832 887,397 16,337 14,746 1,297,312 295,273 800,877 1,096,150 83,186 444,885 528,071 757,290 2,133,159 16,337	373,010 #REFI 4,511,136 6,132,739 194,543 101,908 10,940,326 3,011,304 6,596,667 9,607,970 997,915 4,586,518 5,584,432 8,520,355 17,315,923 194,543
Residential Cho CC Amp Vol Rec EECP Rider EAP Rider CC CA Amp Vol Rec Industrial Trans CC Amp Vol Rec Total Transport CC Amp	#REF! bice/ Trans	77,082 #REFI 380,560 1,268,223 16,412 21,074 1,686,269 237,110 1,008,989 1,246,100 83,186 451,961 535,147 700,856 2,729,174	57,814 #REFI 380,576 952,066 16,412 15,821 1,364,874 249,802 803,388 1,053,190 83,141 422,545 505,686 713,519 2,177,998	#REF! 379,104 -1 542,498 16,349 9,015 946,965 249,266 -546,758 796,024 83,186 -368,956 452,141 711,556 1,458,212	15,509 #REF! 377,792 255,082 16,292 4,239 653,405 248,238 371,676 619,914 83,141 338,899 422,040	#REF! 374,176 - 122,152 16,136 2,030 514,494 247,523 290,190 537,713 83,141 314,117 397,258 704,840 726,459	#REFI 371,808 86,225 16,034 1,433 475,500 250,375 272,421 522,796 83,141 288,887 373,028 705,324 648,532	#REFI 371,568 82,632 16,024 1,373 471,597 245,687 264,187 509,874 83,141 316,231 399,372 700,396 663,050	#REFI 370,864 88,818 15,994 1,493 478,168 244,257 285,847 530,103 83,141 334,330 417,471 698,262 709,994	#REFI 371,008 140,115 16,000 2,328 529,451 243,139 370,579 613,719 83,141 382,063 465,204	#REF! 375,328 398,790 16,186 6,627 796,930 244,208 537,564 781,772 83,186 426,526 509,711 702,722 1,362,879	54,104 #REFI 378,832 887,397 16,337 14,746 1,297,312 295,273 	373,010 #REFI 4,511,136 6,132,739 194,543 101,908 10,940,326 3,011,304 6,596,667 9,607,970 997,915 4,586,518 5,584,432 8,520,355 17,315,923

CKY_R_PHDR_MILLER1_ATT_A_111116.xlsm KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

Summary from pages 1 - 7	<u> </u>													
, non pages . ,	Tar bf Gas Gas Cost Total	#REF! #REF! #REF! #REF!	#REF! #REF! #REF!											
	Tran bf Gas Gas Cost Total	3,605,279 - 3,605,279	3,467,515 - 3,467,515	2,923,750 - 2,923,750	2,195,131	1,695,359	1,449,465	1,371,323	1,380,843	1,425,742	1,608,374	2,088,414	2,921,533 185,945	26,132,728 185,945
	Difference	#REF!	#REF!	#REF!	2,195,131 - #REF!	1,695,359 - #REF!	1,449,465 - #REF!	1,371,323 - #REF!	1,380,843 - #REF!	1,425,742 - #REF!	1,608,374 - #REF!	2,088,414 - #REF!	3,107,478 (185,945) #REF!	26,318,673 (185,945) #REF!

Columbia Gas of Kentucky, Inc. Allocation of Proposed Annual Revenues by Rate Schedule Based on Revenue Requirement For the 12 Months Ended December 31, 2017

Attachment MPB-1 Page 1 of 8 Witness: M. P. Balmert

Line <u>No.</u>	<u>Description</u>	Adjusted <u>Bills</u> (1) WPM B.2	Adjusted Volumes (2) Mcf WPM C.2	Revenue @ Current <u>Rates</u> (3) \$ Sch. M2.2 & D2.4	Proposed Revenue <u>Increase</u> (4) \$	Total Proposed <u>Revenue</u> (5=3+4) \$ Sch. M 2.3	Proposed Increase By Rate Sched (6) %	Proposed Increase by Rate Class (7)
1	Total Revenues	2.2						
2	GSR/GTR Residential	1,462,612	7,955,080.5	\$58,710,248	\$8,720,967	\$67,431,215	14.85%	14.85%
3	GSO/GTO/GDS	167,676	5,748,554.7	26,463,106	\$3,591,090	30,054,196	13.57%	13.57%
4	DS/SAS	896	6,897,867.4	4,621,276	\$1,021,915	5,643,190	22.11%	17.25%
5	IS	0	0.0	0	\$0	0	0.00%	17.25%
6	IUS	24	11,320.7	47,824	\$4,268	52,092	8.92%	8.92%
7	IN3 Residential	108	990.2	396	\$0	396	0.00%	14.85%
8	IN4	0	0.0	0	\$0	0	0.00%	14.85%
9	IN5	36	333.6	200	\$0	200	0.00%	14.85%
10	G1C	41	1,697.8	9,744	\$0	9,744	0.00%	13.57%
11	G1R	192	2,018.9	13,752	\$0	13,752	0.00%	14.85%
12	LG2 Residential	12	605.2	212	\$0	212	0.00%	14.85%
13	LG2 Commercial	12	710.9	249	\$0	249	0.00%	13.57%
14	LG3 Residential	12	714.1	256	\$0	256	0.00%	14.85%
15	LG4 Residential	12	257.6	103	\$0	103	0.00%	14.85%
16	DS3	36	680,981.0	67,641	\$0	67,641	0.00%	0.00%
17	FX1	12	541,812.0	224,062	\$0	224,062	0.00%	17.25%
18	FX2	12	533,988.0	221,011	\$0	221,011	0.00%	17.25%
19	FX5	36	4,689,510.0	411,572	\$0	411,572	0.00%	0.00%
20	FX7	12	420,000.0	192,155	\$0	192,155	0.00%	0.00%
21	SC3	12	1,580,000.0	666,000	\$0	666,000	0.00%	17.25%
22	Other Gas Department Revenue							
23	Acct. 487 Forefited Discounts			476,000	\$69,732	545,732	14.65%	
24	Acct. 488 Miscellaneous Service Revenue			137,000	\$0	137,000	0.00%	
25	Acct. 495 Non-Traditional Sales			72,000	\$0	72,000	0.00%	
26	Acct. 495 Prior Yr. Rate Refund - Net.			0	\$0	0	0.00%	
27	Acct. 495 Other Gas Revenues - Other			515,000	\$0	515,000	0.00%	
28	Total Revenues	1,631,753	29,066,442.6	92,849,807	13,407,972	106,257,779	14.44%	

Columbia Gas of Kentucky, Inc. Allocation of Proposed Annual Revenues by Rate Schedule Based on Revenue Requirement For the 12 Months Ended December 31, 2017

Attachment MPB-1 Page 2 of 8 Witness: M. P. Balmert

Line <u>No.</u>	<u>Description</u>	Adjusted Bills (1) WPM B.2	Adjusted <u>Volumes</u> (2) Mcf WPM C.2	Revenue @ Current Rates (3) \$ Sch. M 2.2	Proposed Revenue <u>Increase</u> (4) \$	Total Proposed Revenue (5=3+4) \$ Sch. M 2.3	Proposed Increase By Rate Sched (6) %	Proposed Increase by Rate Class (7)
1	Delivery Charge Revenue Only (Base Rates, Admin. Charge & AMRP Char	ge)						
2	GSR/GTR Residential	1,462,612	7,955,080.5	\$43,261,042	\$8,720,967	\$51,982,010	20.16%	20.15%
3	GSO/GTO/GDS	167,676	5,748,554.7	18,733,089	3,591,090	22,324,179	19.17%	19.16%
4	DS/SAS	896	6,897,867.4	4,621,276	1,021,915	5,643,190	22.11%	17.25%
5	IS	0	0.0	0	0	0	0.00%	17.25%
6	IUS	24	11,320.7	22,521	4,268	26,789	18.95%	18.95%
7	IN3 Residential	108	990.2	396	0	396	0.00%	20.15%
8	IN4	0	0.0	0	0	0	0.00%	20.15%
9	IN5	36	333.6	200	0	200	0.00%	20.15%
10	G1C	41	1,697.8	5,994	0	5,994	0.00%	19.16%
11	G1R	192	2,018.9	9,292	0	9,292	0.00%	20.15%
12	LG2 Residential	12	605.2	212	0	212	0.00%	20.15%
13	LG2 Commercial	12	710.9	249	0	249	0.00%	19.16%
14	LG3 Residential	12	714.1	256	0	256	0.00%	20.15%
15	LG4 Residential	12	257.6	103	0	103	0.00%	20.15%
16	DS3	36	680,981.0	67,641	0	67,641	0.00%	0.00%
17	FX1	12	541,812.0	224,062	0	224,062	0.00%	17.25%
18	FX2	12	533,988.0	221,011	0	221,011	0.00%	17.25%
19	FX5	36	4,689,510.0	411,572	0	411,572	0.00%	0.00%
20	FX7	12	420,000.0	192,155	0	192,155	0.00%	0.00%
21	SC3	12	1,580,000.0	666,000	0	666,000	0.00%	17.25%
22	Total Base Revenues	1,631,753	29,066,442.6	\$68,437,072	\$13,338,240	\$81,775,311	19.49%	

Columbia Gas of Kentucky, Inc. Allocation of Proposed Annual Revenues by Rate Schedule Based on Revenue Requirement For the 12 Months Ended December 31, 2017

Attachment MPB-1 Page 3 of 8 Witness: M. P. Balmert

Line <u>No.</u>	<u>Description</u>	Adjusted Bills (1) WPM B.2	Adjusted Volumes (2) Mcf WPM C.2	Revenue @ Current <u>Rates</u> (3) \$ Sch. M 2.2	Proposed Revenue <u>Increase</u> (4) \$	Total Proposed <u>Revenue</u> (5=3+4) \$ Sch. M 2.3	Proposed Increase By Rate Sched (6) %	Proposed Increase by Rate Class (7)
1	Gas Cost Revenue Only							
2 3 4 5 6	GSR/GTR Residential GSO/GTO/GDS G1C G1R IUS			\$13,802,635 7,640,096 3,751 4,460 25,009	\$0 0 0 0	\$13,802,635 7,640,096 3,751 4,460 25,009	0.00% 0.00% 0.00% 0.00% 0.00%	
7	Total Gas Cost Revenues			\$21,475,950	\$0	\$21,475,950	0.00%	
8	EAP Revenue							
9	GSR/GTR Residential			\$474,918	\$0	\$474,918	0.00%	
10	Total EAP Revenues			\$474,918	\$0	\$474,918	0.00%	
11	Energy Efficiency Conservation Program							
12	GSR/GTR Residential			\$1,009,202	\$0	\$1,009,202	0.00%	
13	Total Energy Efficiencty Conservation Revenues			\$1,009,202	\$0	\$1,009,202	0.00%	
14	Gas Cost Uncollectible Charge							
15 16 17	GSR/GTR Residential GSO/GTO/GDS IUS			162,450 89,920 294	0 0 (0)	162,450 89,920 294	0.00% 0.00% -0.01%	
18	Total Gas Cost Uncollectible Charge			\$252,665	\$0	\$252,665	0.00%	

Columbia Gas of Kentucky, Inc. Allocation of Proposed Annual Revenues by Rate Schedule Based on Revenue Requirement For the 12 Months Ended December 31, 2017

Attachment MPB-1 Page 4 of 8 Witness: M. P. Balmert

Line <u>No.</u>	<u>Description</u>	<u>Total</u> (1)	GSR/GTR (2)	GSO/GTO/GDS (3)	<u>IS/DS</u> (4)	<u>IUS</u> (5)	<u>DS-ML</u> (6)
1	Determination of Revenue Distribution						
2	Rate Base (Attachment CEN-3 Page 4, Line 12)	\$253,360,797	\$162,668,511	\$57,415,257	\$32,693,845	\$97,824	\$485,360
3	Unitized Return @ Current Rates	1.000000	0.144680	3.702130	0.187230	3.191490	22.319150
4	Proposed Unitized Return	1.000000	0.769391	1.886000	0.512255	1.491500	6.235450
5	Change in Unitized Return	0.000000	0.624711	(1.816130)	0.325025	(1.699990)	(16.083700)
6	Rate of Return Requested	8.410%	6.471%	15.861%	4.308%	12.544%	52.440%
7	Net Operating Income @ Requested Return (Line 2 x Line 6)	\$21,307,643	\$10,525,593	\$9,106,783	\$1,408,472	\$12,271	\$254,523
8	Net Operating Income @ Current Rates	\$6,057,270	<u>\$553,639</u>	<u>\$4,995,219</u>	<u>\$246,522</u>	<u>\$7,338</u>	<u>\$254,552</u>
9	Income Deficiency (Line 7 - Line 8)	\$15,250,373	\$9,971,954	\$4,111,564	\$1,161,950	\$4,933	(\$29)
10	Gross Converstion Factor	<u>1.655089</u>	1.655089	1.655089	1.655089	1.655089	1.655089
11	Revenue Required Increase	25,240,723	16,504,471	6,805,004	1,923,131	8,165	(48)
12	Percent Distribution to Rate Classes	100.000%	65.389%	26.960%	7.619%	0.032%	0.000%
13 Plus:	Gas Cost Uncollectible Charge @ Current Rates	252,665	162,450	89,920	0	294	0
14 Less:	Gas Cost Uncollectible Charge @ Proposed Rates	252,665	162,450	89,920	0	294	0
15 Less:	Proposed Change Other Gas Department Revenue (Attachment MPB-2)	130,935	86,253	<u>38,851</u>	<u>5,836</u>	<u>43</u>	<u>(48)</u>
16	Proposed Increase to Base Revenue	\$25,109,788	\$16,418,218	\$6,766,153	\$1,917,295	\$8,122	\$0
17	Percent Distribution to Rate Classes	100.000%	65.386%	26.946%	7.636%	0.032%	0.000%
18	Percent Distribution to Rate Classes	100.000%	65.386%	26.946%	7.636%	0.032%	0.000%
19	Settlement Increase	\$13,408,000	\$8,766,955	\$3,612,919	\$1,023,835	\$4,291	\$0
20	Proposed Change Other Gas Department Revenue (Attachment MPB-2)	<u>69,732</u>	<u>45,595</u>	<u>22,061</u>	<u>2,053</u>	<u>23</u>	<u>0</u>
21	Settlement Increase to Base Revenue	\$13,338,268	\$8,721,360	\$3,590,858	\$1,021,782	\$4,268	\$0
22	Current Base Revenue	68,437,072	43,271,501	18,739,332	5,924,504	22,521	479,213
23	Current Percent Distribution of Rate Classes	100.000%	63.228%	27.382%	8.657%	0.033%	0.700%
24	Proposed Base Revenue	81,775,340	51,992,861	22,330,190	6,946,286	26,789	479,213
25	Proposed Percent Distribution of Rate Classes	100.000%	63.580%	27.307%	8.494%	0.033%	0.586%

KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

Columbia Gas of Kentucky, Inc. Allocation of Proposed Annual Revenues by Rate Schedule Based on Revenue Requirement For the 12 Months Ended December 31, 2017

Attachment MPB-1 Page 5 of 8 Witness: M. P. Balmert

			<u>Bills</u>	<u>Dth</u>	Proposed Rate	Proposed Revenue	Current Rev Revenue	Current <u>Rate</u>	Proposed Inc. (Dec.)
1		GSR/GTR Rate Design			(\$)	(\$)	(\$)	(\$)	(\$)
2		Total Revenue @ Current Rates				58,725,166			
3	Less:	Gas Cost Revenue				13,807,095			
4	Less:	Gas Cost Uncollectible Charge				162,450			
5	Less:	EAP Revenue				474,918			
6	Less:	EECP Revenue				1,009,202			
7	Less:	G1R Base Revenue				9,292			
8	Less:	IN3 Base Revenue				396			
9	Less:	IN4 Base Revenue				0			
10	Less:	IN5 Base Revenue				200			
11	Less:	LG2 - Residential Base Revenue				212			
12	Less:	LG3 - Residential Base Revenue				256			
13	Less:	LG4 - Residential Base Revenue				103			
14	Plus:	Proposed Increase to Base Rates				8,721,360			
15		Proposed Base Revenue				51,982,402			
16	Less:	Customer Charge Revenue	1,462,612		16.00	23,401,792	21,939,180	15.00	1,462,612
17	Less:	Accelerated Mains Replacement Program	1,462,612		0.00	<u>0</u>	3,290,877	2.25	(3,290,877)
18		Net Volumetric Base Revenue				28,580,610			
19		All Gas Consumed		7,955,080.5	3.5927	28,580,218	18,030,985	2.2666	10,549,233
20		Total Base Revenue Change							8,720,968

KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

Columbia Gas of Kentucky, Inc. Allocation of Proposed Annual Revenues by Rate Schedule Based on Revenue Requirement For the 12 Months Ended December 31, 2017

Attachment MPB-1 Page 6 of 8 Witness: M. P. Balmert

				Proposed	Proposed	Current	Pct. Of	Current	Proposed
		<u>Bills</u>	<u>Dth</u>	<u>Rate</u>	<u>Revenue</u>	<u>Revenue</u>	Current Rev	<u>Rate</u>	Inc. (Dec.)
				(\$)	(\$)	(\$)		(\$)	(\$)
1	GSO/GTO/GDS Rate Design								
2	Total Revenue @ Current Rates				26,473,099				
					, ,				
3 Less					7,643,847				
4 Less					89,920				
5 Less	G1C Base Revenue				5,994				
6 Less	LG2 Commercial Base Revenue				249				
7 Plus:	Proposed Increase to Base Rates				3,590,858				
8	Net Base Revenue				22,323,947				
9 Less	Customer Charge Revenue	167,676		44.69	7,493,440	6,287,850		37.50	1,205,590
10 Less	Administrative Charge Revenue	325		0.00	0	18,168		55.90	(18,168)
11 Less	Accelerated Mains Replacement Program	167,676		0.00	<u>0</u>	1,344,762		8.02	(1,344,762)
12	Net Volumetric Base Revenue				14,830,507				
13	First 50 Mcf		2,323,884.9	3.0332	7,048,800	5,267,318	0.475290566	2.2666	1,781,482
14	Next 350 Mcf		2,223,522.3	2.3446	5,213,163	3,895,611	0.351516154	1.752	1,317,552
15	Next 600 Mcf		655,261.1	2.2294	1,460,794	1,091,599	0.098499272	1.6659	369,195
16	Over 1,000 Mcf		<u>545,886.4</u>	2.0294	<u>1,107,750</u>	<u>827,782</u>	0.074694008	1.5164	<u>279,968</u>
17	Total Commodity		5,748,554.7		14,830,507	11,082,310	1.000000000		3,748,197
18	Total Base Revenue Change								3,590,858

KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

Columbia Gas of Kentucky, Inc. Allocation of Proposed Annual Revenues by Rate Schedule Based on Revenue Requirement For the 12 Months Ended December 31, 2017

Attachment MPB-1 Page 7 of 8 Witness: M. P. Balmert

		Bills Dth	Proposed <u>Rate</u> (\$)	Proposed Revenue (\$)	Current <u>Revenue</u> (\$)	Pct. Of <u>Current Rev</u>	Current <u>Rate</u> (\$)	Proposed Inc. (Dec.) (\$)
1	IS/DS Rate Design		(Ψ)	(\$)	(4)		(4)	(4)
2	Total Revenue @ Current Rates			5,924,504				
3 Less:	FX1 Base Revenue			224,062				
4 Less:	FX2 Base Revenue			221,011				
5 Less:	FX7 Base Revenue			192,155				
6 Less:	SC3 Base Revenue			666,000				
7 Plus:	Proposed Increase to Base Rates			<u>1,021,782</u>				
8	Net Base Revenue			5,643,058				
9 Less:	Customer Charge Revenue	896	2,007.00	1,798,272	902,317		1,007.05	895,955
10 Less:	Administrative Charge Revenue	896	0.00	0	50,086		55.90	(50,086)
11 Less:	Accelerated Mains Replacement Program	896	0.00	<u>0</u>	402,833		449.59	(402,833)
12	Net Volumetric Base Revenue			3,844,786				
13	First 30,000 Mcf	4,984,551.4	0.6321	3,150,604	2,713,091	0.830697607	0.5443	437,513
14	Next 70,000 Mcf	1,347,784.0	0.3773	508,531	389,510	0.119260518	0.2890	119,021
15	Over 100,000 Mcf	<u>565,532.0</u>	0.3283	<u>185,650</u>	163,439	0.050041876	0.2890	22,211
16	Total Commodity	6,897,867.4		3,844,785	3,266,040	1.000000000		578,745
17	Total Base Revenue Change							1.021.782

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KY PSC Case No. 2016-0016 Attachment A to PSC 3-3(b)

Columbia Gas of Kentucky, Inc. Allocation of Proposed Annual Revenues by Rate Schedule Based on Revenue Requirement For the 12 Months Ended December 31, 2017

Attachment MPB-1 Page 8 of 8 Witness: M. P. Balmert

			<u>Bills</u>	<u>Dth</u>	Proposed <u>Rate</u>	Proposed <u>Revenue</u>	Current <u>Revenue</u>	Pct. Of Current Rev	Current <u>Rate</u>	Proposed Inc. (Dec.)
					(\$)	(\$)	(\$)		(\$)	(\$)
1		IUS Rate Design								
2		Total Revenue @ Current Rates				47,824				
3	Less:	Gas Cost				25,009				
4	Less:	Gas Cost Uncollectible Charge				294				
5	Plus:	Proposed Increase to Base Rates				<u>4,268</u>				
6		Net Base Revenue				26,789				
7	Less:	Customer Charge Revenue	24		567.40	13,618	11,448		477.00	2,170
8	Less:	Accelerated Mains Replacement Program	24		0.00	<u>0</u>	1,847		76.96	(1,847)
9		Net Volumetric Base Revenue				13,171				
10		All Gas Consumed		11,320.7	1.1635	13,171	9,226		0.8150	3,945
11		Total Commodity		11,320.7		13,171	9,226			3,945
12		Total Base Revenue Change								4,268
13		DS-ML Rate Design								
14		Total Revenue @ Current Rates				479,213				
15	Less:	FX5 Base Revenue				411,572				
16	Plus:	Proposed Increase to Base Rates				<u>0</u>				
17		Net Base Revenue				67,641				
18	Less:	Customer Charge Revenue	36		255.90	9,212	7,200		200.00	2,012
19	Less:	Administrative Charge Revenue	36		0.00	<u>0</u>	2,012		55.90	(2,012)
20		Net Volumetric Base Revenue				58,429				
21		All Gas Consumed		680,981.0	0.0858	58,429	58,428		0.0858	0
22		Total Commodity		680,981.0		58,429	58,428			<u>0</u> 0
		,		,		,	,			
23		Total Base Revenue Change								(0)

Exhibit No.: ____ Witness: M. P. Balmert Attachment MPB-4 Page 1 of 5

20.32%

Columbia Gas of Kentucky, Inc. Calculation of Average GSR/GTR Bill March 2016

Line <u>No.</u>	Component	<u>Sales</u> Mcf	Rate <u>Per Mcf</u> \$	Amount \$
1	Prior Approved Rates			
2	Monthly Customer Charge			15.00
3 4	Accelerated Mains Replacement Program (AMRP) Energy Efficiency Conservation Program (EECP)			2.25 0.69
4	All Gas Consumed	5.5	2.2666	12.47
5	Research & Development	5.5	0.0139	0.08
6	Energy Assistance Plan (EAP)	5.5	0.0597	0.33
7	Gas Cost Adjustment (GCA)	5.5	2.2091	12.15
8	Gas Cost Uncollectible Charge	5.5	0.0160	0.09
9	Total Bill	5.5	=	43.06
10	Proposed Rates			
11	Monthly Customer Charge			16.00
12	Accelerated Mains Replacement Program (AMRP)			0.00
13	Energy Efficiency Conservation Program (EECP)			0.69
14	All Gas Consumed	5.5	3.5927	19.76
15	Research & Development	5.5	0.0139	0.08
16	Energy Assistance Plan (EAP)	5.5	0.0597	0.33
17	Gas Cost Adjustment (GCA)	5.5	2.2091	12.15
18	Gas Cost Uncollectible Charge	5.5	0.0260	0.14
19	Total Bill	5.5	- -	49.15
20	Percent Increase - Total			14.14%

Percent Increase - Delivery Charges only

21

^{1/} Prior Approved Rates as of 3-1-2016. Commodity cost imputed for GRT for illustrative purposes.

Exhibit No.: ____ Witness: M. P. Balmert Attachment MPB-4 Page 2 of 5

Columbia Gas of Kentucky, Inc. Calculation of Average GSO/GTO Bill March 2016

Line <u>No.</u>	Component	Rate GSO/GT Sales <u>Per Mcf</u> <u>Amour</u> Mcf \$ \$				
1	Prior Approved Rates					
2	Monthly Customer Charge			37.50		
3	Accelerated Mains Replacement Program (AMRP)			8.02		
4	First 50 Mcf	32.4	2.2666	73.44		
5	Next 350 Mcf	0.0	1.7520	0.00		
6	Next 600 Mcf	0.0	1.6659	0.00		
7	Over 1,000 Mcf	0.0	1.5164	0.00		
8	Research & Development	32.4	0.0139	0.45		
9	Energy Assistance Plan (EAP)	32.4	0.0000	0.00		
10	Gas Cost Adjustment (GCA)	32.4	2.2091	71.57		
11	Gas Cost Uncollectible Charge	32.4	0.0160	0.52		
12	Total Bill	32.4	=	191.50		
13	Proposed Rates					
14	Monthly Customer Charge			44.69		
15	Accelerated Mains Replacement Program (AMRP)			0.00		
16	First 50 Mcf	32.4	3.0332	98.28		
17	Next 350 Mcf	0.0	2.3446	0.00		
18	Next 600 Mcf	0.0	2.2294	0.00		
19	Over 1,000 Mcf	0.0	2.0294	0.00		
20	Research & Development	32.4	0.0139	0.45		
21	Energy Assistance Plan (EAP)	32.4	0.0000	0.00		
22	Gas Cost Adjustment (GCA)	32.4	2.2091	71.57		
23	Gas Cost Uncollectible Charge	32.4	0.0260	0.84		
24	Total Bill	32.4		215.83		
25	Percent Increase - Total			12.70%		

26 Percent Increase - Delivery Charges only

20.18%

^{1/} Prior Approved Rates as of 3-1-2016. Commodity cost imputed for GTO for illustrative purposes.

Exhibit No.: ____ Witness: M. P. Balmert Attachment MPB-4 Page 3 of 5

Columbia Gas of Kentucky, Inc. Calculation of Average GDS Bill March 2016

Line <u>No.</u>	Component	<u>Sales</u> Mcf	GDS <u>Amount</u> \$	
1	Prior Approved Rates			
2	Monthly Customer Charge			37.50
3	Accelerated Mains Replacement Program (AMRP)			8.02
4	Administrative Charge			55.90
5	First 50 Mcf	50.0	2.2666	113.33
6	Next 350 Mcf	350.0	1.7520	613.20
7	Next 600 Mcf	600.0	1.6659	999.54
8	Over 1,000 Mcf	101.8	1.5164	154.37
6	Research & Development	1,101.8	0.0139	15.32
7	Energy Assistance Plan (EAP)	1,101.8	0.0000	0.00
8	Gas Cost Adjustment (GCA)	1,101.8	2.2091	2,433.99
9	Gas Cost Uncollectible Charge	1,101.8	0.0000	0.00
10	Total Bill	1,101.8	=	4,431.17
11	Proposed Rates			
12	Monthly Customer Charge			44.69
13	Accelerated Mains Replacement Program (AMRP)			0.00
14	Administrative Charge			0.00
15	First 50 Mcf	50.0	3.0332	151.66
16	Next 350 Mcf	350.0	2.3446	820.61
17	Next 600 Mcf	600.0	2.2294	1,337.64
18	Over 1,000 Mcf	101.8	2.0294	206.59
19	Research & Development	1,101.8	0.0139	15.32
20	Energy Assistance Plan (EAP)	1,101.8	0.0000	0.00
21	Gas Cost Adjustment (GCA)	1,101.8	2.2091	2,433.99
22	Gas Cost Uncollectible Charge	1,101.8	0.0000	0.00
23	Total Bill	1,101.8	- =	5,010.50
24	Percent Increase - Total			13.07%

1/ Prior Approved Rates as of 3-1-2016. Commodity cost imputed for GTO for illustrative purposes.

Exhibit No.: ____ Witness: M. P. Balmert Attachment MPB-4 Page 4 of 5

Columbia Gas of Kentucky, Inc. Calculation of Average DS Bill March 2016

Line <u>No.</u>	Component	<u>Sales</u> Mcf	Rate <u>Per Mcf</u> \$	DS <u>Amount</u> \$
1	Prior Approved Rates			
2	Monthly Customer Charge			1,007.05
3	Accelerated Mains Replacement Program (AMRP) Administrative Charge			449.59 55.90
4	First 30,000 Mcf	7,794.2	0.5443	4,242.38
5	Next 70,000 Mcf	0.0	0.2890	0.00
6	Over 100,000 Mcf	0.0	0.2890	0.00
7	Research & Development	7,794.2	0.0139	108.34
8	Energy Assistance Plan (EAP)	7,794.2	0.0000	0.00
9	Gas Cost Adjustment (GCA)	7,794.2	2.8155	21,944.57
10	Gas Cost Uncollectible Charge	7,794.2	0.0000	0.00
11	Total Bill	7,794.2	=	27,807.83
12	Proposed Rates			
13	Monthly Customer Charge			2,007.00
14	Accelerated Mains Replacement Program (AMRP)			0.00
15	Administrative Charge			0.00
16 17	First 30,000 Mcf	7,794.2	0.6321	4,926.71
18	Next 70,000 Mcf	0.0	0.0321	0.00
19	Over 30,000 Mcf	0.0	0.3283	0.00
20	Research & Development	7,794.2	0.0139	108.34
21	Energy Assistance Plan (EAP)	7,794.2	0.0000	0.00
22	Gas Cost Adjustment (GCA)	7,794.2	2.8155	21,944.57
23	Gas Cost Uncollectible Charge	7,794.2	0.0000	0.00
24	Total Bill	7,794.2	<u>-</u>	28,986.62
25	Percent Increase - Total			4.24%

1/ Prior Approved Rates as of 3-1-2016. Commodity cost imputed for DS for illustrative purposes.

Exhibit No.: ____ Witness: M. P. Balmert Attachment MPB-4 Page 5 of 5

0.00%

Columbia Gas of Kentucky, Inc. Calculation of Average DS-ML Bill March 2016

Line <u>No.</u>	Component	<u>Sales</u> Mcf	Rate Per Mcf \$	DS-ML <u>Amount</u> \$
1	Prior Approved Rates			
2 3 4	Monthly Customer Charge Accelerated Mains Replacement Program (AMRP) Administrative Charge			200.00 0.00 55.90
5 6 7 8 9	All Gas Consumed Research & Development Energy Assistance Plan (EAP) Gas Cost Adjustment (GCA) Gas Cost Uncollectible Charge	18,916.1 18,916.1 18,916.1 18,916.1 18,916.1	0.0858 0.0139 0.0000 2.8155 0.0000	1,623.00 262.93 0.00 53,258.28 <u>0.00</u>
10	Total Bill	18,916.1	=	55,400.11
11	Proposed Rates			
12 13 14	Monthly Customer Charge Accelerated Mains Replacement Program (AMRP) Administrative Charge			255.90 0.00 0.00
15 16 17 18 19	All Gas Consumed Research & Development Energy Assistance Plan (EAP) Gas Cost Adjustment (GCA) Gas Cost Uncollectible Charge	18,916.1 18,916.1 18,916.1 18,916.1	0.0858 0.0139 0.0000 2.8155 0.0000	1,623.00 262.93 0.00 53,258.28 0.00
20	Total Bill	18,916.1	=	55,400.11
21	Percent Increase - Total			0.00%

Percent Increase - Delivery Charges only

22

^{1/} Prior Approved Rates as of 3-1-2016. Commodity cost imputed for DS-ML for illustrative purposes.

Attachment MPB-2 Page 1 of 1 Witness: M. P. Balmert

Columbia Gas of Kentucky, Inc. Schedule of Additional Revenues by Rate Schedule Based on Revenue Requirement - Late Payment Charge For the 12 Months Ended December 31, 2017

Line					
No.		<u>Reference</u>	Detail (\$)	Amount (\$)	
			(Ψ)	(Φ)	
1	Change in Forfeited Discounts Revenue				
2	Test Year Forfeited Discounts (Account 487)			476,000	
3	Test Year Revenue Subject to Late Payment Penalties	:			
4 GSR	General Service - Residential	Schedule M-2.1	49,618,662	257,981	Tariff now includes late payment charge on ALL bills
5 G1C	LG&E Commercial	Schedule M-2.1	9,744	51	Exclude IN's and LG's
6 G1R	LG&E Residential	Schedule M-2.1	13,752	71	
7 GSO	General Service - Commercial	Schedule M-2.1	18,479,342	96,079	
8 GSO	General Service - Industrial	Schedule M-2.1	1,407,299	7,317	
9 IS	Interruptible Service - Industrial	Schedule M-2.1	0	0	
10 IUS	Intrastate Utility Service - Wholesale	Schedule M-2.1	47,711	248	
11 GTR	GTS Choice - Residential	Schedule M-2.1	9,029,105	46,945	
12 GTO	GTS Choice - Commercial	Schedule M-2.1	5,787,037	30,088	
13 GTO	GTS Choice - Industrial	Schedule M-2.1	127,654	664	
14 DS	GTS Delivery Service - Commercial	Schedule M-2.1	1,398,811	7,273	
15 DS	GTS Delivery Service - Industrial	Schedule M-2.1	3,222,464	16,754	
16 GDS	GTS Grandfathered Delivery Service - Commercial	Schedule M-2.1	351,127	1,826	
17 GDS	GTS Grandfathered Delivery Service - Industrial	Schedule M-2.1	276,061	1,435	
18 DS3	GTS Main Line Service - Industrial	Schedule M-2.1	67,641	352	
19 FX1	GTS Flex Rate - Commercial	Schedule M-2.1	224,062	1,165	
20 FX2	GTS Flex Rate - Commercial	Schedule M-2.1	221,011	1,149	
21 FX5	GTS Flex Rate - Industrial	Schedule M-2.1	411,572	2,140	
22 FX7	GTS Flex Rate - Industrial	Schedule M-2.1	192,155	999	
23 SAS	GTS Special Agency Service	Schedule M-2.1	0	0	
24 SC3	GTS Special Rate - Industrial	Schedule M-2.1	666,000	3,463	
25	Total		91,551,212	476,000	
26	Ratio of Late Payment Penalties to Total Revenue	Line 2 / Line 25		0.005199276	
27	Proposed Revenue Subject to Late Payment Penalties	:			
28	GSR/GTR Residential	Attachment MPB-1, Page 1	67,431,215	350,592	
29	GSO/GTO/GDS	Attachment MPB-1, Page 1	30,054,196	156,260	
30	DS/SAS	Attachment MPB-1, Page 1	5.643.190	29.341	
31	IS	Attachment MPB-1, Page 1	0	0	
32	IUS	Attachment MPB-1, Page 1	52.092	271	
33	DS3	Attachment MPB-1, Page 1	67,641	352	
34	FX1	Attachment MPB-1, Page 1	224,062	1,165	
35	FX2	Attachment MPB-1, Page 1	221,011	1,149	
36	FX5	Attachment MPB-1, Page 1	411,572	2,140	
37	FX7	Attachment MPB-1, Page 1	192,155	999	
38	SC3	Attachment MPB-1, Page 1	666,000	3,463	
39	Total	,	104,963,135	545,732	
40	Proposed Forfeited Discounts (Account 487)	Line 26 x Line 39		545,732	
41	Proposed Adjustment to Account 487 Revenue	Line 40 - Line 2		69,732	

Exhibit No.: ____ Witness: M. P. Balmert Attachment MPB-3 Page 1 of 1

Columbia Gas of Kentucky, Inc. Case No. 2016-00162 Non-Gas Base Rates

	Current <u>Rates</u>	Proposed <u>Rates</u>
General Service - Residential (GSR & GRT)		
Customer Charge	\$15.00	\$16.00
All Gas Consumed	\$2.2666	\$3.5927
General Service - Other (GSO/GTR/GDS)		
Customer Charge	\$37.50	\$44.69
First 50 Mcf	\$2.2666	\$3.0332
Next 350 Mcf	\$1.7520	\$2.3446
Next 600 Mcf	\$1.6659	\$2.2294
Over 1,000 Mcf	\$1.5164	\$2.0294
Interruptible / Delivery Service (IS/DS)		
Customer Charge	\$1,007.05	\$2,007.00
First 30,000 Mcf	\$0.5443	\$0.6321
Next 70,000 Mcf	\$0.2890	\$0.3773
Over 100,000 Mcf	\$0.2890	\$0.3283
Intrastate Utility Sales Service (IUS)		
Customer Charge	\$477.00	\$567.40
All Gas Consumed	\$0.8150	\$1.1635
Delivery Service - Mainline (DS-ML)		
Customer Charge	\$200.00	\$255.90
All Gas Consumed	\$0.0858	\$0.0858
	•	•

PSC Case No. 2016-00162 Page 1 of 6

						D-2.4				
Rate	Class	Number	Volumes	Present	Present	Ratemaking	Revenue	Proposed	Proposed	Revenue
Code	<u>Description</u>	of Bills	(Mcf)	Rates	Revenue	Adjustment	Adjusted	Rates	Revenue	Increase
				(\$/Mcf)	(\$)	(\$)	(\$)	(\$/Mcf)	(\$)	(\$)
	Sales Service									
GSR	General Service - Residential									
	Customer Charge:	1,180,666		\$15.00	\$17,709,990		\$17,709,990	\$16.00	\$18,890,656	\$1,180,666
	All Gas Consumed		6,248,080.5	\$2.2666	\$14,161,899		\$14,161,899	\$3.5927	\$22,447,479	\$8,285,580
	AMRP			\$2.25	\$2,656,499		\$2,656,499	\$0.00	\$0	(\$2,656,499)
	EECP			\$0.6900	\$814,660		\$814,660	\$0.6900	\$814,660	\$0
	EAP Revenue			\$0.0597	\$373,010		\$373,010	\$0.0597	\$373,010	\$0
	Gas Cost Uncollectible Accounts in GCA			\$0.0160	\$99,969	\$62,481	\$162,450	\$0.0260	\$162,450	(\$0)
	Gas Cost Recovery (Per filed Schedule M)			\$2.2091	\$13,802,635		\$13,802,635	\$2.2091	<u>\$13,802,635</u>	<u>\$0</u>
	Total				\$49,618,662		\$49,681,142		\$56,490,889	\$6,809,747
G1C	LG&E Commercial									
GIC	Customer Charge:	41		\$56.92	\$2,334		\$2,334	\$56.92	\$2,334	\$0
	All Gas Consumed	41	1,697.8	\$2.1558	\$3,660		\$3,660	\$2.1558	\$3,660	\$0 \$0
	Gas Cost Recovery (Per filed Schedule M)		1,097.8	\$2.1338	\$3,751		\$3,751	\$2.1338	\$3,751	<u>\$0</u>
	Total			φ2.2071	\$9,744		\$9,744	\$2.2071	\$9,744	\$0 \$0
	Total				Ψ2,744		Ψ>,744		Ψ),/++	ΨΟ
G1R	LG&E Residential									
	Customer Charge:	192		\$17.27	\$3,316		\$3,316	\$17.27	\$3,316	\$0
	All Gas Consumed		2,018.9	\$2.9600	\$5,976		\$5,976	\$2.9600	\$5,976	\$0
	Gas Cost Recovery (Per filed Schedule M)			\$2.2091	\$4,460		\$4,460	\$2.2091	\$4,460	<u>\$0</u>
	Total				\$13,752		\$13,752		\$13,752	\$0
IN3	Inland Gas General Service - Residential									
	Customer Charge:	108		\$0.00	\$0		\$0	\$0.00	\$0	\$0
	All Gas Consumed		990.2	\$0.4000	\$396		\$396	\$0.4000	<u>\$396</u>	<u>\$0</u>
	Total				\$396		\$396		\$396	\$0
IN3	Inland Gas General Service - Commercial									
	Customer Charge:	0		\$0.00	\$0		\$0	\$0.00	\$0	\$0
	All Gas Consumed		0.0	\$0.0000	\$0		<u>\$0</u>	\$0.0000	<u>\$0</u>	<u>\$0</u>
	Total				\$0		\$0		\$0	\$0
IN4	Inland Gas General Service - Residential									
	Customer Charge:	0		\$0.00	\$0		\$0	\$0.00	\$0	\$0
	All Gas Consumed		0.0	\$0.0000	<u>\$0</u>		<u>\$0</u>	\$0.0000	<u>\$0</u>	<u>\$0</u>
	Total				\$0		\$0		\$0	\$0
INE	Inland Cos Comerci Service - Decidential									
IN5	Inland Gas General Service - Residential Customer Charge:	36		\$0.00	\$0		\$0	\$0.00	\$0	\$0
	All Gas Consumed	30	333.6		\$200		\$200	,		
			333.6	\$0.6000				\$0.6000	\$200 \$200	<u>\$0</u> \$0
	Total				\$200		\$200		\$200	\$0

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				Kevenue 1	Proof					
Rate Code		Number of Bills	Volumes (Mcf)	Present Rates (\$/Mcf)	Present Revenue (\$)	D-2.4 Ratemaking Adjustment (\$)	Revenue Adjusted (\$)	Proposed Rates (\$/Mcf)	Proposed Revenue (\$)	Revenue Increase (\$)
	Sales Service									
LG2	LG&E Residential									
	Customer Charge:	12	505.0	\$0.00	\$0		\$0	\$0.00	\$0	\$0
	All Gas Consumed Total		605.2	\$0.3500	<u>\$212</u>		\$212	\$0.3500	<u>\$212</u>	<u>\$0</u>
	Total				\$212		\$212		\$212	\$0
LG2	LG&E Commercial									
_	Customer Charge:	12		\$0.00	\$0		\$0	\$0.00	\$0	\$0
	All Gas Consumed	12	710.9	\$0.3500	\$249		\$249	\$0.3500	\$249	<u>\$0</u>
	Total			ψ0.5500	\$249		\$249	φ0.5500	\$249	\$0 \$0
					7-17		Ψ2.		ΨΣΤΟ	ΨΟ
LG3	LG&E Residential									
	Customer Charge:	12		\$1.20	\$14		\$14	\$1.20	\$14	\$0
	First 2 Mcf		24.4	\$0.0000	\$0		\$0	\$0.0000	\$0	\$0
	Over 2 Mcf		<u>689.7</u>	\$0.3500	<u>\$241</u>		<u>\$241</u>	\$0.3500	<u>\$241</u>	<u>\$0</u>
	Total		714.1		\$256		\$256		\$256	\$0
LG4	LG&E Residential									
204	Customer Charge:	12		\$0.00	\$0		\$0	\$0.00	¢0	¢o
	All Gas Consumed	12	257.6	\$0.4000	\$103		\$103	\$0.00	\$0 \$103	\$0 \$0
	Total		237.0	φυ.4000	\$103		\$103	\$0.4000	\$103 \$103	<u>\$0</u> \$0
					Ψ103		Ψ103		\$105	90
GSO	General Service - Commercial									
	Customer Charge:	119,233		\$37.50	\$4,471,238		\$4,471,238	\$44.69	\$5,328,523	\$857,285
	First 50 Mcf		1,502,815.4	\$2.2666	\$3,406,281		\$3,406,281	\$3.0332	\$4,558,340	\$1,152,058
	Next 350 Mcf		1,239,119.0	\$1.7520	\$2,170,936		\$2,170,936	\$2.3446	\$2,905,238	\$734,302
	Next 600 Mcf		271,140.7	\$1.6659	\$451,693		\$451,693	\$2.2294	\$604,481	\$152,788
	Over 1,000 Mcf		85,140.0	\$1.5164	\$129,106		\$129,106	\$2.0294	\$172,783	\$43,677
	AMRP			\$8.02	\$956,249		\$956,249	\$0.00	\$0	(\$956,249)
	Gas Cost Province (P. St. 18.1.11.11)			\$0.0160	\$49,571	\$30,982	\$80,554	\$0.0260	\$80,554	\$0
	Gas Cost Recovery (Per filed Schedule M) Total		2.000.215.1	\$2.2091	\$6,844,267		\$6,844,267	\$2.2091	\$6,844,267	<u>\$0</u>
	Total		3,098,215.1		\$18,479,342		\$18,510,324		\$20,494,186	\$1,983,861
GSO	General Service - Industrial									
	Customer Charge:	524		\$37.50	\$19,650		\$19,650	\$44.69	\$23,418	\$3,768
	First 50 Mcf		15,490.2	\$2.2666	\$35,110		\$35,110	\$3.0332	\$46,985	\$11,875
	Next 350 Mcf		63,996.1	\$1.7520	\$112,121		\$112,121	\$2.3446	\$150,045	\$37,924
	Next 600 Mcf		59,338.9	\$1.6659	\$98,853		\$98,853	\$2.2294	\$132,290	\$33,437
	Over 1,000 Mcf		221,425.3	\$1.5164	\$335,769		\$335,769	\$2.0294	\$449,361	\$113,591
	AMRP			\$8.02	\$4,202		\$4,202	\$0.00	\$0	(\$4,202)
	Gas Cost Uncollectible Accounts in GCA			\$0.0160	\$5,764	\$3,603	\$9,367	\$0.0260	\$9,367	\$0
	Gas Cost Recovery (Per filed Schedule M)			\$2.2091	\$795,829		\$795,829	\$2.2091	\$795,829	<u>\$0</u>
	Total		360,250.5		\$1,407,299		\$1,410,902		\$1,607,294	\$196,393

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				Revenue I	Proof					
						D-2.4				
Rate	Class	Number	Volumes	Present	Present	Ratemaking	Revenue	Proposed	Proposed	Revenue
<u>Code</u>	<u>Description</u>	of Bills	<u>(Mcf)</u>	Rates	Revenue	<u>Adjustment</u>	Adjusted	Rates	Revenue	Increase
				(\$/Mcf)	(\$)	(\$)	(\$)	(\$/Mcf)	(\$)	(\$)
	Sales Service									
IS	Interruptible Service - Industrial									
	Customer Charge:	0		\$1,007.05	\$0		\$0	\$2,007.00	\$0	\$0
	First 30,000 Mcf		0.0	\$0.5443	\$0		\$0	\$0.6321	\$0	\$0 \$0
	Next 70,000 Mcf		0.0	\$0.2890	\$0		\$0	\$0.3773	\$0	\$0
	Over 100,000 Mcf		0.0	\$0.2890	\$0		\$0	\$0.3283	\$0	\$0
	AMRP			\$449.59	\$0		\$0	\$0.00	\$0	\$0 \$0
	Gas Cost Uncollectible Accounts in GCA			\$0.0160	\$0	\$0	\$0	\$0.0260	\$0 \$0	\$0 \$0
	Gas Cost Recovery (Per filed Schedule M)			\$2.2091	<u>\$0</u>	40	<u>\$0</u>	\$2.2091	<u>\$0</u>	<u>\$0</u>
	Total		0.0	4-1	\$0		\$0	Ψ2.2071	\$0	\$0 \$0
							**			40
IUS	Intrastate Utility Service - Wholesale									
	Customer Charge:	24		\$477.00	\$11,448		\$11,448	\$567.40	\$13,618	\$2,170
	All Gas Consumed		11,320.7	\$0.8150	\$9,226		\$9,226	\$1.1635	\$13,172	\$3,945
	AMRP			\$76.96	\$1,847		\$1,847	\$0.00	\$0	(\$1,847)
	Gas Cost Uncollectible Accounts in GCA			\$0.0160	\$181	\$113	\$294	\$0.0260	\$294	\$0
	Gas Cost Recovery (Per filed Schedule M)			\$2.2091	\$25,009		\$25,009	\$2.2091	\$25,009	<u>\$0</u>
	Total				\$47,711		\$47,824		\$52,092	\$4,268
	Transportation Service									
GTR	GTS Choice - Residential									
	Customer Charge:	281,946		\$15.00	\$4,229,190		\$4,229,190	\$16.00	\$4,511,136	\$281,946
	All Gas Consumed	201,5 .0	1,707,000.0	\$2.2666	\$3,869,086		\$3,869,086	\$3.5927	\$6,132,739	\$2,263,653
	AMRP		1,707,000.0	\$2.25	\$634,379		\$634,379	\$0.00	\$0,132,739	(\$634,379)
	EECP			\$0.6900	\$194,543		\$194,543	\$0.6900	\$194,543	\$0
	EAP Revenue			\$0.0597	\$101,908		\$101,908	\$0.0597	\$194,343	\$0 \$0
	Total			ψ0.0377	\$9,029,105		\$9,029,105	\$0.0397	\$10,940,326	\$1,911,220
					Ψ>,02>,103		Ψ>,02>,103		\$10,740,320	\$1,911,220
GTO	GTS Choice - Commercial									
	Customer Charge:	47,445		\$37.50	\$1,779,188		\$1,779,188	\$44.69	\$2,120,317	\$341,130
	First 50 Mcf		786,377.4	\$2.2666	\$1,782,403		\$1,782,403	\$3.0332	\$2,385,240	\$602,837
	Next 350 Mcf		806,927.7	\$1.7520	\$1,413,737		\$1,413,737	\$2.3446	\$1,891,923	\$478,185
	Next 600 Mcf		179,253.4	\$1.6659	\$298,618		\$298,618	\$2.2294	\$399,628	\$101,009
	Over 1,000 Mcf		87,432.3	\$1.5164	\$132,582		\$132,582	\$2.0294	\$177,435	\$44,853
	AMRP			\$8.02	\$380,509		\$380,509	\$0.00	<u>\$0</u>	(\$380,509)
	Total		1,859,990.8		\$5,787,037		\$5,787,037		\$6,974,542	\$1,187,505
GTO	GTS Choice - Industrial									
	Customer Charge:	149		\$37.50	\$5,588		\$5,588	\$44.69	\$6,659	\$1,071
	First 50 Mcf		4,787.8	\$2.2666	\$10,852		\$10,852	\$3.0332	\$14,522	\$3,670
	Next 350 Mcf		21,109.0	\$1.7520	\$36,983		\$36,983	\$2.3446	\$49,492	\$12,509
	Next 600 Mcf		20,909.7	\$1.6659	\$34,833		\$34,833	\$2.2294	\$46,616	\$11,783
	Over 1,000 Mcf		25,193.4	\$1.5164	\$38,203		\$38,203	\$2.0294	\$51,127	\$12,924
	AMRP		,	\$8.02	\$1,195		\$1,195	\$0.00	\$0 \$0	(\$1,195)
	Total		71,999.9		\$127,654		\$127,654	ψ3.00	\$168,417	\$40,763
					,		+-=.,50.		Ψ100,.17	Ψ.0,703

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						D-2.4				
Rate Code	Class <u>Description</u>	Number of Bills	Volumes (Mcf)	Present Rates (\$/Mcf)	Present <u>Revenue</u> (\$)	Ratemaking <u>Adjustment</u> (\$)	Revenue Adjusted	Proposed Rates (\$/Mcf)	Proposed Revenue (\$)	Revenue <u>Increase</u> (\$)
	<u>Transportation Service</u>			(\$/MCI)	(2)	(2)	(\$)	(\$/MCI)	(2)	(2)
DS	GTS Delivery Service - Commercial									
	Customer Charge:	428		\$1,007.05	\$431,017			\$2,007.00	\$858,996	\$427,979
	Administrative Charge:	428		\$55.90	\$23,925		\$23,925	\$0.00	\$0	(\$23,925)
	First 30,000 Mcf		1,380,570.0	\$0.5443	\$751,444		\$751,444	\$0.6321	\$872,658	\$121,214
	Next 70,000 Mcf		0.0	\$0.2890	\$0		\$0	\$0.3773	\$0	\$0
	Over 100,000 Mcf		0.0	\$0.2890	\$0		\$0	\$0.3283	\$0	\$0
	AMRP			\$449.59	\$192,425		\$192,425	\$0.0000	<u>\$0</u>	(\$192,425)
	Total		1,380,570.0		\$1,398,811		\$1,398,811		\$1,731,654	\$332,843
DS	GTS Delivery Service - Industrial									
	Customer Charge:	468		\$1,007.05	\$471,299			\$2,007.00	\$939,276	\$467,977
	Administrative Charge:	468		\$55.90	\$26,161		\$26,161	\$0.00	\$0	(\$26,161)
	First 30,000 Mcf		3,603,981.4	\$0.5443	\$1,961,647		\$1,961,647	\$0.6321	\$2,278,077	\$316,430
	Next 70,000 Mcf		1,347,784.0	\$0.2890	\$389,510		\$389,510	\$0.3773	\$508,519	\$119,009
	Over 100,000 Mcf		565,532.0	\$0.2890	\$163,439		\$163,439	\$0.3283	\$185,664	\$22,225
	AMRP			\$449.59	\$210,408		\$210,408	\$0.0000	<u>\$0</u>	(\$210,408)
	Total		5,517,297.4		\$3,222,464		\$3,222,464		\$3,911,536	\$689,072
GDS	GTS Grandfathered Delivery Service - Commercial									
	Customer Charge:	145		\$37.50	\$5,438		\$5,438	\$44.69	\$6,480	\$1,043
	Administrative Charge:	145		\$55.90	\$8,106		\$8,106	\$0.00	\$0	(\$8,106)
	First 50 Mcf		7,150.0	\$2.2666	\$16,206		\$16,206	\$3.0332	\$21,687	\$5,481
	Next 350 Mcf		49,008.2	\$1.7520	\$85,862		\$85,862	\$2.3446	\$114,905	\$29,042
	Next 600 Mcf		71,743.7	\$1.6659	\$119,518		\$119,518	\$2.2294	\$159,945	\$40,428
	Over 1,000 Mcf		75,728.6	\$1.5164	\$114,835		\$114,835	\$2.0294	\$153,684	\$38,849
	AMRP			\$8.02	\$1,163		\$1,163	\$0.00	<u>\$0</u>	<u>(\$1,163)</u>
	Total		203,630.5		\$351,127		\$351,127		\$456,701	\$105,574
GDS	GTS Grandfathered Delivery Service - Industrial									
	Customer Charge:	180		\$37.50	\$6,750		\$6,750	\$44.69	\$8,044	\$1,294
	Administrative Charge:	180		\$55.90	\$10,062		\$10,062	\$0.00	\$0	(\$10,062)
	First 50 Mcf		7,264.1	\$2.2666	\$16,465		\$16,465	\$3.0332	\$22,033	\$5,569
	Next 350 Mcf		43,362.3	\$1.7520	\$75,971		\$75,971	\$2.3446	\$101,667	\$25,697
	Next 600 Mcf		52,874.7	\$1.6659	\$88,084		\$88,084	\$2.2294	\$117,879	\$29,795
	Over 1,000 Mcf		50,966.8	\$1.5164	\$77,286		\$77,286	\$2.0294	\$103,432	\$26,146
	AMRP			\$8.02	\$1,444		<u>\$1,444</u>	\$0.00	<u>\$0</u>	<u>(\$1,444)</u>
	Total		154,467.9		\$276,061		\$276,061		\$353,056	\$76,995

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				Revenue I	rooi					
Rate Code		Number <u>of Bills</u>	Volumes (Mcf)	Present Rates (\$/Mcf)	Present <u>Revenue</u> (\$)	D-2.4 Ratemaking Adjustment (\$)	Revenue Adjusted (\$)	Proposed Rates (\$/Mcf)	Proposed Revenue (\$)	Revenue Increase (\$)
	<u>Transportation Service</u>									
DS3	GTS Main Line Service - Industrial									
	Customer Charge:	36		\$200.00	\$7,200		\$7,200	\$255.90	\$9,212	\$2,012
	Administrative Charge:	36		\$55.90	\$2,012		\$2,012	\$0.00	\$0	(\$2,012)
	All Gas Consumed		680,981.0	\$0.0858	\$58,428		\$58,428	\$0.0858	\$58,428	<u>\$0</u>
	Total				\$67,641		\$67,641		\$67,641	(\$0)
FX1	GTS Flex Rate - Commercial									
	Customer Charge:	12		\$1,007.05	\$12,085			\$1,007.05	\$12,085	\$0
	Administrative Charge:	12		\$55.90	\$671		\$671	\$55.90	\$671	\$0
	All Gas Consumed		541,812.0	\$0.3900	\$211,307		\$211,307	\$0.3900	\$211,307	<u>\$0</u>
	Total				\$224,062		\$224,062		\$224,062	\$0
FX2	GTS Flex Rate - Commercial									
	Customer Charge:	12		\$1,007.05	\$12,085		\$12,085	\$1,007.05	\$12,085	\$0
	Administrative Charge:	12		\$55.90	\$671		\$671	\$55.90	\$671	\$0
	All Gas Consumed		533,988.0	\$0.3900	\$208,255		\$208,255	\$0.3900	<u>\$208,255</u>	<u>\$0</u>
	Total				\$221,011		\$221,011		\$221,011	\$0
FX5	GTS Flex Rate - Industrial									
	Customer Charge:	36		\$200.00	\$7,200		\$7,200	\$200.00	\$7,200	\$0
	Administrative Charge:	36		\$55.90	\$2,012		\$2,012	\$55.90	\$2,012	\$0
	All Gas Consumed		4,689,510.0	\$0.0858	\$402,360		\$402,360	\$0.0858	\$402,360	<u>\$0</u>
	Total				\$411,572		\$411,572		\$411,572	\$0
FX7	GTS Flex Rate - Industrial									
	Customer Charge:	12		\$1,007.05	\$12,085		\$12,085	\$1,007.05	\$12,085	\$0
	Administrative Charge:	12		\$55.90	\$671		\$671	\$55.90	\$671	\$0
	First 30,000 Mcf		300,000.0	\$0.4900	\$147,000		\$147,000	\$0.4900	\$147,000	\$0
	Over 30,000 Mcf		120,000.0	\$0.2700	\$32,400		\$32,400	\$0.2700	\$32,400	<u>\$0</u>
	Total		420,000.0		\$192,155		\$192,155		\$192,155	\$0
SAS	GTS Special Agency Service									
	Customer Charge:	0		\$1,007.05	\$0		\$0	\$2,007.00	\$0	\$0
	Administrative Charge:	0		\$55.90	\$0		\$0	\$55.90	\$0	\$0
	First 30,000 Mcf		0.0	\$0.5443	\$0		\$0	\$0.6321	\$0	\$0
	Next 70,000 Mcf		0.0	\$0.2890	\$0		\$0	\$0.3773	\$0	\$0
	Over 100,000 Mcf		0.0	\$0.2890	\$0		\$0	\$0.3283	\$0	\$0
	AMRP			\$449.59	<u>\$0</u>		<u>\$0</u>	\$0.00	<u>\$0</u>	<u>\$0</u>
	Total		0.0		\$0		\$0		\$0	\$0

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				210 / 02140 2	1001	D-2.4				
Rate	Class	Number	Volumes	Present	Present	Ratemaking	Revenue	Proposed	Proposed	Revenue
Code	<u>Description</u>	of Bills	(Mcf)	Rates	Revenue	Adjustment	<u>Adjusted</u>	Rates	Revenue	<u>Increase</u>
	T C			(\$/Mcf)	(\$)	(\$)	(\$)	(\$/Mcf)	(\$)	(\$)
	<u>Transportation Service</u>									
SC3	GTS Special Rate - Industrial									
500	Customer Charge:	12		\$1,007.05	\$12,085		\$12.085	\$1,007.05	\$12,085	\$0
	Administrative Charge:	12		\$55.90	\$671		\$671	\$55.90	\$671	\$0
	First 150,000 Mcf		1,650,000.0	\$0.2900	\$478,500		\$478,500	\$0.2900	\$478,500	\$0
	Over 150,000 Mcf		(70,000.0)	\$0.1600	(\$11,200)		(\$11,200)	\$0.1600	(\$11,200)	<u>\$0</u>
	Minimum Bill				\$185,945		\$185,945		\$185,945	\$0
	Total		1,580,000.0		\$666,000		\$666,000		\$666,000	\$0
Other	Gas Department Revenues									
	Acct. 487 Forfeited Discounts				\$476,000		\$476,000		\$545,732	\$69,732
	Acct. 488 Miscellaneous Service Revenue				\$137,000		\$137,000		\$137,000	\$0
	Acct. 493 Rent from Gas Property				\$72,000		\$72,000		\$72,000	\$0
	Acct. 495 Non-Traditional Sales				\$0		\$0		\$0	\$0
	Acct. 495 Prior Yr. Rate Refund - Net.				\$0		\$0		\$0	\$0
	Acct. 495 Other Gas Revenues - Other				\$515,000		\$515,000		\$515,000	<u>\$0</u>
	Total				\$1,200,000		\$1,200,000		\$1,269,732	\$69,732
Summ	OW.									
Sullilli	Base Revenue				\$64,405,956		\$64,405,956		\$82,784,514	\$18,378,558
	Gas Cost Uncollectible Accounts in GCA				\$155,486	\$97,179	\$252,665		\$252,665	(\$0)
	Gas Cost Recovery (Per filed Schedule M)				\$21,475,950	\$97,179	\$21,475,950		\$232,003	\$0 \$0
	AMRP				\$5,040,318		\$5,040,318		\$0	(\$5,040,318)
	EAP Revenue				\$474,918		\$474,918		\$474,918	\$0
	Other Gas Department Revenue				\$1,200,000		\$1,200,000		\$1,269,732	\$69,732
	TOTAL REVENUE				\$92,752,628		\$92,849,807		\$106,257,779	\$13,407,972
	10112 12 12 12 12				ψ>2,.62,626		φ3 2, 013,007		Ψ100,227,77	\$10,107,57 2
Summ	ary by Rate Class									
	General Service - Residential	1,462,984	7,960,000.1		58,662,686		58,725,166		67,446,134	\$8,720,967
	General Service - Other	167,729	5,750,963.4		26,438,514		26,473,099		30,064,189	3,591,090
	Intrastate Utility Service	24	11,320.7		47,711		47,824		52,092	4,268
	Mainline Delivery Service / Special Contract	84	5,790,491.0		671,368		671,368		671,368	0
	Delivery Service / Interruptible Service	<u>932</u>	<u>9,553,667.4</u>		5,732,349		5,732,349		6,754,263	1,021,915
	Other Gas Department Revenue				1,200,000		1,200,000		1,269,732	69,732
	Total	1,631,753	29,066,442.6		\$92,752,628		\$92,849,807		\$106,257,779	\$13,407,972
Averag	ge Monthly Customer Bill Increase									
	General Service - Residential @ 5.5 Mcf				\$43.06				\$49.15	\$6.09
	General Service - Residential @ 3.3 Mcl				\$191.50				\$215.83	\$24.33
	General Service - Commercial @ 32.4 MCI				φ171.30				Ψ213.03	φ24.33

KY PSC Case No. 2016-00162 Response to Staff's Post Hearing Data Request Miller-2 Respondent: Jana T. Croom

COLUMBIA GAS OF KENTUCKY, INC. RESPONSE TO STAFF'S POST HEARING DATA REQUESTS DATED NOVEMBER 4, 2016

2. List the total number of Columbia employees in 2014, 2015, the base period and the test year.

Response:

Below please find a chart which demonstrates the number of Columbia employees in 2014, 2015, the base period and the test year.

Columbia	Gas of	Kentucky Emplo	yee Count
2014	2015	Base Period	Test Year
127	144	154	158

COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO STAFF'S POST HEARING DATA REQUESTS
DATED NOVEMBER 4, 2016

3. With regard to the additional 30,000 to 100,000 Mcf block that Columbia

agreed to include in its Delivery Service declining block rate structure, what is

the magnitude of the revenue shift to customers with lower volume usage?

Response:

With respect to other rate classes, the Delivery Service ("DS" or "IS/DS")

rate class was assigned the same percentage of the revenue requirement increase

as was assigned in response to Staff DR 3-3 where Columbia reduced the original

filed revenue requirement to reflect annual minimum bills under current rates in

the DS rate class. As a result, there was no shifting of the revenue requirement

between the IS/DS rate class and the other rate classes when adding the

additional rate blocks to the IS/DS rate design.

The revenue requirement shift within the IS/DS rate class from customers

using in excess of 30,000 Mcf per month to those who use less than 30,000 Mcf

per month is \$74,660 or about 1.3% of the total IS/DS revenue requirement.

1

KY PSC Case No. 2016-00162 Response to Staff's Post Hearing Data Request Miller-4 Respondent: Herbert A. Miller, Jr.

COLUMBIA GAS OF KENTUCKY, INC. RESPONSE TO STAFF'S POST HEARING DATA REQUESTS DATED NOVEMBER 4, 2016

4. Provide the amount of dividends paid in 2011 by Columbia.

Response:

During 2011, Columbia made the following dividend payments to its sole shareholder, Columbia Energy Group:

3/25/2011 - \$2,000,000 6/14/2011 - \$2,000,000 9/16/2011 - \$3,000,000 11/11/2011 - \$3,000,000 COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO STAFF'S POST HEARING DATA REQUESTS
DATED NOVEMBER 4, 2016

5. Based upon scaled back capital projects anticipated for 2017, there is the

possibility of a dividend payment in 2017. What is the projected amount of that

dividend?

Response:

The decision by a utility (including Columbia) to issue dividends is based on

many factors including operating cash flows, capital expense requirements, debt

maturities and the overall capital structure. Columbia has a consistent history of

prudently managing its capital structure in accordance with regulatory

precedent in Kentucky and this history is in line with the proxy group identified

by Columbia witness Moul. This approach has allowed Columbia to maintain its

financial flexibility and ability to react to changing circumstances and financial

market conditions while serving its customers. As such, Columbia does not

intend to issue dividends in 2017, nor does the Settlement change this intention.

Response to Staff's Post Hearing Data Request Noel-1 Respondent: Austin M. Schauer, Brian J. Noel, and John Spanos

COLUMBIA GAS OF KENTUCKY, INC. RESPONSE TO STAFF'S POST HEARING DATA REQUESTS DATED NOVEMBER 4, 2016

- 1. Refer to the filing requirement 16(7)(u) Table A regarding amounts charged or allocated to Columbia by an affiliate or general or home office during the test period or during the previous four (4) calendar years (2012, 2013, 2014 and 2015) and to Staff's Second Request for Information, Item 57, for same amounts charged or allocated to Columbia for 2016.
- a. With respect to the Basis of Allocations, Methods 1 through 20, and including the Direct Billed to Columbia of KY and NCSC Overheads; provide the types, and dollar amount of costs, and the respective actual formulary calculations, for each of the Methods and for each year.
- b. Explain why the amount of Direct Billing to Kentucky increased from \$4,894,794.69 in 2012 to \$6,894,337.50 in 2015 and the basis for the increase in the base year and test year. Provide a detailed breakdown of the actual calculations of the costs by year.
- c. Provide a copy of Columbia's cost allocation manual, or other comparable document.

d. Explain why Columbia proposed using the Equal Life Group

Depreciation procedure rather that the Average Service Life procedure for

computing its depreciation expense for the test year.

Response:

- a. Please refer to Staff Post Hearing DR Noel -1a Attachment A, also filed in this docket as CKY_R_PHDR_NOEL1A_ATT_A_111116.xlsx, for the types and dollar amounts of costs for each of the allocation methods for each year 2012 2015. Please note that non-recoverable expense, such as advertising, has already been removed from the agreed-upon revenue requirement through an adjustment in the cost of service schedules. With regard to the forecasted base year and test year, a detailed breakdown by cost category and allocation basis exists only at a company level. The budget is primarily developed using actual cost experience in the budgeting system. Within the budget system, a calculation of allocation takes place and limits the output to a company level as opposed to cost category. As such, the results are based on the use of actual costs, and are therefore appropriate and reasonable.
- b. Please refer to Filing Requirement 16(7)(u) where it is stated that charges are directly billed to a client to the extent possible while any remaining costs are then allocated. As a part of continuous education and training for NCSC

employees, it is always encouraged to directly charge time and labor to the benefitting affiliates to the extent possible. NCSC direct bill charges to Kentucky has increased approximately \$2.0M from 2012 to 2015 in four primary areas, making up over 90% of the variance as follows:

Cost Type	2012	2015	Variance \$	Variance %
Labor & Related	2,596,579	4,068,321	1,471,743	74%
Materials & Supplies	65,897	276,706	210,809	11%
Other Outside Services	147,361	262,502	115,141	6%
Outsourcing Expense	1,453,618	1,541,314	87,696	4%
Total Explained	4,263,454	6,148,844	1,885,389	94%

Labor & Related - This increase is primarily in the areas of Gas Operations, which includes the Integration Center transfers, Capital Execution, and Regulatory Policy and Human Resources. The additional labor expense has contributed to a safer operation of the gas system. Evidence of this is measured by the reduction of the average response time to an emergency being less than 45 minutes over 96% of the time; our pipeline damage rate from third parties has dramatically reduced during the past several years; the amount of time a grade 2 leak remains open on Columbia's system has reduced; and the additional contract crews dedicated to our Accelerated Main Replacement Program (AMRP) are increasing. Each of these measures

has improved the safe operation of our natural gas infrastructure system. A majority of the labor and related direct bill increases are due to employees being transferred in from the operating affiliates and providing services directly to the benefitting affiliates.

Materials & Supplies - This increase is due to a change to the IBM outsourcing contract to mitigate risk, provide financial stability, and improve compliance. The change moved certain IT hardware costs from the IBM contract to NiSource.

<u>Other Outside Services</u> - This increase is primarily related to security services and one-call system fees.

Outsourcing Expense - This increase is related to the call center function, which is partially offset by a decrease in the IBM outsourcing contract related to the IT hardware mentioned above.

As mentioned in response to Staff Post Hearing Noel - 1.a above regarding the base year and test year, the budget development is derived by using actual costs as a basis. The budget tool allows for the use of this basis to apply to an overall budget at a department level. From there the accumulation of all the department budgets with the use of the basis is then allocated out to the respective affiliate

companies. Due to this method, any change in budgeted dollars (labor and other expenses), as referenced in Witness Noel's rebuttal testimony, would have had this allocation method applied. The overall allocated budget to Columbia closely resembles the basis breakdown between direct and the various bases found in actual costs.

- c. Please see Staff Post Hearing DR Noel 1c Attachment A for a copy of NCSC's comparable cost allocation manual, which explains in detail the various methods of allocation.
- d. While both the Average Service Life ("ASL") and the Equal Life Group ("ELG") procedures are acceptable depreciation procedures, the ELG methodology was considered, at the time of filing this application, by Columbia's consultant as more precise than the ASL procedure for matching recovery of the assets to the consumption or utilization of the assets. The ASL procedure is currently used by Columbia, is more commonly used in Kentucky and establishes a smoother recovery pattern when additions and retirements are consistent year in and year out compared to the ELG procedure. ASL procedure has also been recently approved by this Commission in rate proceedings for other Kentucky utilities. (See *In the Matter of the Application of Kentucky American Water Company for an Adjustment of Rates*, Case No. 2015-00418, Order, August 23,

2016). The ASL procedure was the agreed to procedure by all the Intervenors in the pending settlement and its associated expense was assumed as part of the pending settlement revenue amount.

Allocation Basis	Cost Type	2012	2013	2014	2015
Basis 1	3#Outsourcing Expenses	167,365	171,025	196,689	162,520
	Advertising	420	701	1,308	361
	Audit Services		2,009	92	
	Consulting Services	51,585	38,577	55,579	75,265
	Depreciation	1,193	3,379	2,823	1,080
	Dues and Donations	3,042	648	3,906	605
	Employee Expenses	3,833	1,004	2,007	1,017
	Interest Expense	474			
	Labor & Related	1,330,305	1,560,816	1,671,372	1,691,579
	Legal Services	1,534	1,916	5,005	8,866
	Materials and Supplies	24,376	29,188	26,173	34,688
	Misc and Other Expenses	13,789	23,406	18,162	19,955
	Other Outside Services	33,722	68,241	81,146	64,617
	Power Fuel and Gas Costs	93	31	0	583
	Rent-Buildings	62,172	89,279	148,048	128,910
	Rent-Other	1,153	1,805	1,939	1,191
	Stock Compensation	81,138	137,775	207,680	175,928
	Taxes-Income				-
	Taxes-Other				1
	Utilities	159	412	213	89
	Vehicle_Tools Costs	143	163	190	62
Basis 1 Total		1,776,497	2,130,375	2,422,334	2,367,318
Basis 2	3#Outsourcing Expenses	2,738	2,595	548	138
	Advertising	138	102	43	63
	Dues and Donations	9			
	Employee Expenses	23	5	27	10
	Interest Expense				0
	Labor & Related	20,688	34,347	25,224	19,055
	Materials and Supplies	1,824	637	3,062	330
	Misc and Other Expenses	558	416	345	338
	Other Outside Services	269	879	985	354
	Rent-Buildings	945	1,288	1,126	841
	Rent-Other			145	126
	Utilities	5	3	0	10
Basis 2 Total		27,196	40,271	31,506	21,265
Basis 3	Consulting Services		21		
	Other Outside Services		6	23	
Basis 3 Total		-	27	23	-
Basis 4	Advertising		12	2	22
	Employee Expenses		5	7	23
	Labor & Related		16,924	22,450	20,300
	Materials and Supplies		12	21	23
	Misc and Other Expenses		189	54	1,848
	Other Outside Services		2,075	1,628	4,607
	Rent-Buildings		1,390	2,930	2,091
	Rent-Other				(4
	Utilities		2	2	1
Basis 4 Total		-	20,609	27,093	28,889
Basis 7	Advertising	2		0	4
	Consulting Services		0	76	1
	Corporate Insurance	37,182	38,876	41,974	48,296
		14	6	3	49
	Dues and Donations				
	Employee Expenses	2	3		
	Employee Expenses Labor & Related	2 12,115	15,646	19,180	24,753
	Employee Expenses	2		4	24,753 38
	Employee Expenses Labor & Related	2 12,115	15,646 11 184	4 2,384	24,753 38 1,396
	Employee Expenses Labor & Related Materials and Supplies Misc and Other Expenses Other Outside Services	2 12,115 9	15,646 11	4	4 24,753 38 1,396 8,261
	Employee Expenses Labor & Related Materials and Supplies Misc and Other Expenses	2 12,115 9	15,646 11 184	4 2,384	24,753 38 1,396

Allocation Basis	Cost Type	2012	2013	2014	2015	
	Rent-Other	17	19	8	1	
Basis 7 Total		51,732	61,559	72,660	86,042	
Basis 8	Advertising			22.046	37	
	Labor & Related			33,946	32,179	
	Materials and Supplies			120	1	
	Misc and Other Expenses			(143)	53	
	Other Outside Services			1	4.046	
	Rent-Buildings			2,420	1,816	
	Rent-Other				0	
Basis 8 Total		-	-	36,343	34,086	
Basis 9	3#Outsourcing Expenses	13				
	Employee Expenses	26	89	36	43	
	Labor & Related	14,097	15,206	13,081	5,644	
	Materials and Supplies	233	628	562	98	
	Misc and Other Expenses	582	401	595	128	
	Other Outside Services	605	861	1,691	343	
	Rent-Buildings	158	169	263	158	
	Rent-Other	(65)	(69)	(466)	(141)	
	Utilities	19	5	5	1	
	Vehicle_Tools Costs	0	1	1	0	
Basis 9 Total		15,668	17,292	15,767	6,273	
Basis 10	3#Outsourcing Expenses	463,663	455,980	449,200	394,938	
	Advertising	3,745	2,118	2,129	6,207	
	Audit Services	114				
	Consulting Services	64,043	122,730	109,155	98,380	
	Depreciation	71,867	52,154	52,665	24,443	
	Dues and Donations	2,221	4,887	4,602	2,783	
	Employee Expenses	761	295	631	662	
	Interest Expense	5,417	3,487	1,723	219	
	Labor & Related	1,267,781	1,328,998	1,452,649	1,535,682	
	Legal Services	, - , -	9,271	(140)	,,	
	Materials and Supplies	99,323	115,344	118,153	148,771	
	Misc and Other Expenses	38,707	37,482	46,399	21,375	
	Other Outside Services	107,654	121,642	143,975	183,594	
	Power Fuel and Gas Costs	107,00	121,0 .2	1.5,575	485	
	Rent-Buildings	106,544	115,352	161,235	140,900	
	Rent-Other	1,560	770	1,373	3,855	
	Stock Compensation	9,460	13,464	25,409	30,886	
	Utilities	217	146	363	39	
	Vehicle Tools Costs	25	34	24	0	
Basis 10 Total	Verlicie_100is costs	2,243,101	2,384,154	2,569,543	2,593,218	
Basis 11	3#Outsourcing Expenses	60,279	93,442	173,112	184,455	
Da313 11	Advertising	202	2,324	409	4,269	
	<u> </u>					
	Consulting Services	33,854	21,974	30,616	88,579	
	Depreciation	56,526	89,601	119,743	129,029	
	Dues and Donations	4,121	3,360	3,720	4,578	
	Employee Expenses	110	290	279	366	
	Interest Expense	1,494		102		
	Labor & Related	249,851	292,247	298,433	277,316	
	Legal Services	4,720	3,840	18,821	10,747	
	Materials and Supplies	843	1,888	2,900	17,419	
	Misc and Other Expenses	(14,474)	12,460	22,279	20,422	
	Other Outside Services	64,916	46,279	85,327	80,008	
	Rent-Buildings	14,125	15,279	19,131	28,657	
	Rent-Other	226	666	513	(14	
	Stock Compensation	15,570	23,717	37,233	33,646	
	Taxes-Other	311	3,628			
	Utilities	19	13	38	22	
	Vehicle_Tools Costs	0	0	0		
Basis 11 Total		492,693	611,007	812,656	879,499	
				. ,		

Allocation Basis	Cost Type	2012	2013	2014	2015
	Advertising	37	75	149	191
	Consulting Services	44,411	6,474	8,120	43,553
	Depreciation	126,468	142,391	144,187	198,221
	Dues and Donations	2,365	2		
	Employee Expenses	46	4	6.700	1
	Interest Expense	8,914	7,398	6,732	2,941
	Labor & Related	116,610	2,644	15,844	27,320
	Legal Services	873	200	228	169
	Materials and Supplies	11,560	14,441	14,128	23,959
	Misc and Other Expenses	(4,310)	(6,519)	(8,458)	7,873
	Other Outside Services	105,889	24,416	86,316	44,056
	Power Fuel and Gas Costs	40.240	22.000	42 422	74
	Rent-Buildings	48,249	33,066	43,122	23,191
	Rent-Other	13,136	13,623	21,139	20,026
	Stock Compensation	4,263	12,294	10,211	1,240
	Utilities	44,073	37,767	28,024	2,656
Basis 13 Total	Vehicle_Tools Costs	11 1,887,143	0 1,004,883	823,389	900,167
Basis 14	Advertising	490	7	32	300,107
	Labor & Related	16,262	13,934	11,657	13,231
	Materials and Supplies	135	49	55	15
	Misc and Other Expenses	225	52	113	9
	Other Outside Services	4		7	_
	Rent-Buildings	1,620	1,370	1,829	1,411
	Rent-Other	,-	,	,	(1
Basis 14 Total		18,736	15,412	13,693	14,665
Basis 20	3#Outsourcing Expenses	48,421	755,317	886,983	733,742
	Advertising	861	2,284	1,003	1,043
	Audit Services	11,977	27,589	11,121	6,815
	Consulting Services	160,012	165,328	160,717	216,026
	Corporate Insurance	(114)	665	376	527
	Depreciation	49,930	53,056	54,804	63,490
	Dues and Donations	15,260	15,512	15,124	17,285
	Employee Expenses	8,045	11,028	6,278	5,233
	Interest Expense	9,222		8	4
	Labor & Related	878,201	1,077,384	1,111,347	1,153,208
	Legal Services	4,657	8,839	16,234	2,320
	Materials and Supplies	30,610	21,677	30,020	28,498
	Misc and Other Expenses	38,516	38,504	50,822	42,631
	Other Outside Services	171,046	286,186	271,662	347,210
	Power Fuel and Gas Costs		-		20
	Rent-Buildings	48,569	61,805	70,598	105,370
	Rent-Other	38,024	30,028	23,763	25,368
	Stock Compensation	185,016	247,923	340,813	180,134
	Taxes-Income	0.4	70	6	246
	Taxes-Other	91	79	134	210
	Utilities	1,053	1,085	1,149	1,542
Basis 20 Total	Vehicle_Tools Costs	1 600 409	2,804,301	43 3,053,003	2 020 670
		1,699,408	2,804,301		2,930,679 1,541,314
	2#Outsoursing Evnances	1 452 610	1 206 700		
	3#Outsourcing Expenses	1,453,618 117,624	1,386,798 69 799	1,461,855 76,871	
	Advertising	117,624	69,799	76,871	105,618
	Advertising Consulting Services	117,624 8,244	69,799 12,161	76,871 47,151	105,618 43,445
	Advertising Consulting Services Depreciation	117,624 8,244 15,496	69,799 12,161 15,228	76,871 47,151 14,739	105,618 43,445 12,706
	Advertising Consulting Services Depreciation Dues and Donations	117,624 8,244 15,496 6,420	69,799 12,161 15,228 5,450	76,871 47,151 14,739 3,135	105,618 43,445 12,706 11,408
	Advertising Consulting Services Depreciation Dues and Donations Employee Expenses	117,624 8,244 15,496 6,420 1,265	69,799 12,161 15,228 5,450 2,159	76,871 47,151 14,739 3,135 1,739	105,618 43,445 12,706 11,408 2,493
	Advertising Consulting Services Depreciation Dues and Donations Employee Expenses Interest Expense	117,624 8,244 15,496 6,420 1,265 2,996	69,799 12,161 15,228 5,450 2,159 1,359	76,871 47,151 14,739 3,135 1,739 2,335	105,618 43,445 12,706 11,408 2,493 (16,537
	Advertising Consulting Services Depreciation Dues and Donations Employee Expenses Interest Expense Labor & Related	117,624 8,244 15,496 6,420 1,265 2,996 2,596,579	69,799 12,161 15,228 5,450 2,159 1,359 3,072,189	76,871 47,151 14,739 3,135 1,739 2,335 3,643,679	105,618 43,445 12,706 11,408 2,493 (16,537 4,068,321
	Advertising Consulting Services Depreciation Dues and Donations Employee Expenses Interest Expense Labor & Related Legal Services	117,624 8,244 15,496 6,420 1,265 2,996 2,596,579 87,407	69,799 12,161 15,228 5,450 2,159 1,359 3,072,189 124,200	76,871 47,151 14,739 3,135 1,739 2,335 3,643,679 194,129	105,618 43,445 12,706 11,408 2,493 (16,537 4,068,321 156,881
Direct Billed to CKY	Advertising Consulting Services Depreciation Dues and Donations Employee Expenses Interest Expense Labor & Related	117,624 8,244 15,496 6,420 1,265 2,996 2,596,579	69,799 12,161 15,228 5,450 2,159 1,359 3,072,189	76,871 47,151 14,739 3,135 1,739 2,335 3,643,679	

Allocation Basis	Cost Type	2012	2013	2014	2015
Allocation basis	Power Fuel and Gas Costs	11,941	(6,867)	2014	8,214
	Rent-Buildings	170,509	201,383	244,565	225,642
	Rent-Other	12,243	4,742	(1,022)	1,083
	Stock Compensation	3,780	173	(1,022)	1,003
	Utilities	108	125	224	170
	Vehicle Tools Costs	548	768	1,004	227
Direct Billed to CKY Total	Vernere_100i3 costs	4,894,795	5,379,191	6,203,594	6,894,338
NCSC Overheads	3#Outsourcing Expenses	99,108	81,172	139,058	75,446
. rese overments	Advertising	582	126	1,649	3,110
	Audit Services	-	120	2,063	3
	Consulting Services	29,064	40,009	26,506	108,518
	Depreciation	22,447	20,205	12,134	(2,664)
	Dues and Donations	896	1,806	2,928	7,184
	Employee Expenses	521	824	646	1,656
	Interest Expense	53,843	41,846	33,913	63,848
	Labor & Related	107,519	127,039	128,919	196,437
	Legal Services	24,149	44,616	(10,500)	30,064
	Materials and Supplies	3,328	3,437	4,954	9,325
	Misc and Other Expenses	2,526	2,773	3,623	5,806
	Other Outside Services	13,995	(2,842)	(14,383)	42,075
	Power Fuel and Gas Costs	,	, , ,	,	2
	Rent-Buildings	7,038	7,619	10,882	8,272
	Rent-Other	828	171	146	394
	Stock Compensation	4,593	4,997	5,593	6,006
	Taxes-Income	(31,073)	30,372	79,309	98,824
	Taxes-Other	2,813	1,846	5,571	5,456
	Utilities	15	24	9	24
	Vehicle_Tools Costs	1	1	3	
NCSC Overheads Total	-	342,192	406,041	433,023	656,678

Cost Type	Base Year	Test Year
3#Outsourcing Expenses	3,798,206	4,206,056
Advertising	156,213	160,609
Audit Services	2,166	6,696
Capital	103,812	16,695
Consulting Services	677,597	620,529
Corporate Insurance	58,549	63,818
Depreciation	350,207	419,250
Dues and Donations	38,025	27,918
Employee Expenses	17,749	18,588
Interest Expense	47,293	53,898
Labor & Related	9,833,656	10,682,101
Legal Services	256,649	325,877
Materials and Supplies	383,679	322,190
Misc and Other Expenses	291,979	198,315
Other Outside Services	1,332,104	1,578,347
Power Fuel and Gas Costs	6,624	
Rent-Buildings	731,357	776,280
Rent-Other	50,809	43,533
Stock Compensation	420,838	406,111
Taxes-Income	97,428	43,709
Taxes-Other	3,954	4,204
Utilities	13,315	30,393
Vehicle_Tools Costs	441	901
Grand Total	18,672,651	20,006,017

Allocation Manual

Background

NCSC expenses are an integral part of each affiliate's regulatory base rate filings; therefore, the distribution of costs to each affiliate through the NCSC allocation process is crucial to the recovery of those expenses. This manual is an informational resource to explain the development of each allocation. Ultimately, NCSC's goal is to ensure the appropriate distribution of NCSC related costs to benefitting affiliates.

BASIS 1

GROSS FIXED ASSETS AND TOTAL OPERATING EXPENSES

Fifty percent of the total billing pool charges will be allocated on the basis of the relation of the affiliate's gross fixed assets to the total gross fixed assets of all benefited affiliates; the remaining 50% will be allocated on the basis of the relation of the affiliate's total operating expenses to the total operating expenses of all benefited affiliates.

Compilation

- 1) Total Gross Fixed Assets is obtained for each affiliate from the following Hyperion accounts:
 - a. 100199000 Gross Utility Plant
 - i. Currently, this account is made up of Plant In-Service, CWIP, Capital Leases, and Plant Acquisitions; based on FERC Account 101, 102, and 107.
 - b. 102019000 Assets held under cap lease End Bal.
 - i. This account is capital leases for non-utility plant assets. Currently, this does not apply to any of our affiliates.
 - c. 102119000 Other property ending balance
 - i. This account pertains to the book cost of land, structures, equipment or other tangible property owned by the utility, but not used in utility service; based on FERC Account 121.
- 2) The amounts obtained in Step #1 are increased or otherwise decreased by the following adjustment information provided by affiliates:
 - a. Asset Retirement Costs (ARC):
 - i. These costs are associated with decommissioning a Plant In-Service; based on FERC Accounts 10100050 thru 10100053. These costs are removed

from our Gross Utility Plant since they do not represent a physical asset. This adjustment should decrease Gross Utility Plant.

b. Other Adjustments to PP&E:

- i. This adjustment is made to get back to the affiliate's reported regulatory plant balance by adjusting for non-utility property. This adjustment is an increase to Gross Utility Plant Assets.
- c. Post In-Service Carrying Charges (PISCC) (Specific to COH):
 - i. The goal of this program is to reduce regulatory lag experienced when a plant asset is placed in-service between general rate cases. PISCC allows the recovery of carrying costs for new plant assets that are not factored into current base rates. On a GAAP basis, this amount is reported in an 182 account; however, on a regulatory basis this amount is included in an 101 account. This adjustment is made to get back to the affiliate's reported regulatory plant assets balance. This adjustment is an increase to Gross Utility Plant Assets.

d. Capital Lease Net Value; and

i. The reason for this adjustment is that, on a GAAP basis, capital lease amounts are included in a 101 account but on a regulatory basis these amounts are included in a 108 account. This adjustment is made to get back to the affiliate's reported regulatory plant assets balance. This adjustment is a decrease to Gross Utility Plant Assets.

e. Base Gas Adjustment

- i. The reason for this adjustment is that Blackhawk Storage Field in PA is not depreciable because the wells are akin to land and have an indefinite life.
- 3) Total Operation and Maintenance Expense (O&M) is obtained for each affiliate from Hyperion account 689999000 Total Operation & Maintenance.
- 4) The amounts obtained in Step #3 are increased or otherwise decreased by (the following information is obtained from Hyperion or else provided by the affiliates):
 - a. Premium Revenue Hyperion Account 617.1 (specific to NIC)
 - i. This account includes premiums and premium refunds for insurance purchased for protection against losses or damages to owned or leased property. This includes protection for fire, storm, casualty, boiler, fidelity, burglary, lightning, public liability, property damage and casualty (to others), employees' liability and worker's compensation. The presentation of premium revenue from NiSource affiliates offsetting O&M is for consolidation purposes. Specifically, consolidation accounting received guidance from Deloitte stating that since premium revenue is not truly an intercompany transaction (there is an intermediary), it cannot be accounted

for in an intercompany revenue account. Notwithstanding, this revenue is not an NIC O&M item; therefore, this adjustment is made to remove premium revenue from the affiliate's O&M, thereby increasing O&M expense.

- b. GAAP Environmental Entry below the line in internal F/S (Marion Site)
- c. DSM Tracker Hyperion Account 689.006 (specific to NGD)
 - i. In some of the states in which NGD companies are located, the respective regulatory commission requires the utility to invest in Demand Side Management initiatives with their retail customers. Currently, the costs associated with these initiatives are included in O&M. These costs inflate the respective affiliate O&M compared to other affiliates located in states without these mandated initiatives. Because of this, DSM is removed from the affected affiliates' O&M. This adjustment is a decrease to O&M expense.
- d. 600999000 Total Management Services
 - i. These are costs the affiliate paid for services provided by NCSC. These costs are removed to arrive at a true reflection of the affiliate O&M.
- e. NFC075 Decrease for Lehman Brothers Uncollectible amounts expense since dollars were collected during the year.

BASIS 2

GROSS FIXED ASSETS

➤ Billing pool charges will be allocated to each benefited affiliate on the basis of the relation of its total gross fixed assets to the sum of the total gross fixed assets of all benefited affiliates.

Compilation

Based upon same information from Basis 1 Step #1 and Step #2.

BASIS 3

NUMBER OF METERS SERVICED

➤ Billing pool charges will be allocated to each benefited affiliate on the basis of its number of meters serviced to the total number of all meters serviced of the benefited affiliates.

Compilation

NCSC receives total meters serviced over 12 month period from the Meter Shop department (Pat Donnelley). The information provided is organized by affiliate and type of meter serviced. Final allocations are based on each affiliate's proportion of total meters serviced, regardless of type. Below is an example of the report received.

STATE	DOM	ESTIC	LV	1	ROTA	ARY	TURE	BINE	ROT &	TURB	тот	ALS
СОН	15,200	44.7%	541	45.0%	254	54.4%	14	58.3%	268	54.6%	16,009	44.8%
CKY	7,002	20.6%	376	31.3%	86	18.4%	2	8.3%	88	17.9%	7,466	20.9%
CPA	7,625	22.4%	209	17.4%	79	16.9%	5	20.8%	84	17.1%	7,918	22.2%
CMD	746	2.2%	8	0.7%	7	1.5%	-	0.0%	7	1.4%	761	2.1%
CGV	3,467	10.2%	67	5.6%	41	8.8%	3	12.5%	44	9.0%	3,578	10.0%
TOTALS	34,040	100.0%	1,201	100.0%	467	100.0%	24	100.0%	491	100.0%	35,732	100.0%
CKY	7,466	20.89%										
СОН	16,009	44.80%										
CMD	761	2.13%										
CPA	7,918	22.16%										
CGV	3,578	10.01%										
	35,732											

BASIS 4

NUMBER OF ACCOUNTS PAYABLE INVOICES PROCESSED

➤ Billing pool charges will be allocated to each benefited affiliate on the basis of its number of accounts payable invoices processed in a 12 month period (interface invoices excluded) to the total number of all accounts payable invoices processed of the benefited affiliates.

Compilation

Account Payable (Cameron Elavsky) provides NCSC total AP invoices processed subtotaled by affiliate. NIPSCO Accounts Payable (Michael Coffman) provides the NIPSCO total AP invoices processed, which is added to the NCSC data. NCSC then calculates each affiliates proportion of the total.

BASIS 7

GROSS DEPRECIABLE PROPERTY AND TOTAL OPERATING EXPENSE

Fifty percent of the total billing pool charges will be allocated on the basis of the relation of the affiliate's total operating expenses to the total of all the benefited affiliates' total operating expense; the remaining 50% will be allocated on the basis of the relation of the

affiliate's gross depreciable property to the gross depreciable property of all benefited affiliates.

Compilation

It is based on the same information from Basis 1. The difference being that non-depreciable property is removed from gross fixed assets, as well. These non-depreciable amounts (construction work in progress, capital leases and land) are provided by the affiliates.

BASIS 8

GROSS DEPRECIABLE PROPERTY

➤ Billing pool charges will be allocated to each benefited affiliate on the basis of the relationship of its total depreciable property to the sum of the total depreciable property of all benefited affiliates.

Compilation

Based upon the asset information formulated in Basis 7.

BASIS 9

AUTOMOBILE UNITS

➤ Billing pool charges will be allocated to each benefited affiliate on the basis of its number of automobile units to the total number of all automobile units of the benefited affiliates.

Compilation

The information is stored in a third-party management system called Automobiles Rental Inc. (ARI) at the date of the survey. The Fleet Maintenance and Services department (Chuck Bunting) will query for the total number of automobile units from the ARI system. The query includes the following fields, "Client", "Vehicle", "Company Name", "Budget Year", "Model Year", "Order Date", "Target Delivery Date", "Employee#", "Make Name", "VIN Model", "Status", "Unit Type", "NISOURCE SPEC.", "Asset Type", "Spec Desc.", and "Delivery Date". The query is run as of the last day of the survey period. Finally, a pivot table is created from the query data and filtered:

	(Multiple
Asset Type	Items)
Status	Active

Report Filters:
Asset Type: Only choose "Car", "SUV",
"Truck LD", and "Van"
Status: Only choose "Active"

Count of COMPANY NAME	
COMPANY NAME	Total
COLUMBIA GAS OF KY	103
COLUMBIA GAS OF MA	257
COLUMBIA GAS OF MD	32
COLUMBIA GAS OF OH	752
COLUMBIA GAS OF PA	402
COLUMBIA GAS OF VA	234
Columbia Gas Transmission	731
Columbia Gulf Transmission	101
Crossroad Pipeline Company	2
NIPSCO	1,059
NISOURCE CORPORATE	
SERVICES	199
NiSource Midstream Services	16
Grand Total	3,888

Row Labels: select "Company Name" Values: select "Total" and summarize values by "Count"

BASIS 10

NUMBER OF RETAIL CUSTOMERS

➤ Billing pool charges will be allocated to each benefited affiliate on the basis of its number of retail customers to the total number of all retail customers of the benefited affiliates.

Compilation

Total Retail Customers is obtained for each affiliate from specific Hyperion accounts (930110000-Gas Customers Residential, 930310000-Residential Choice, 930120000-Gas Customers Commercial, 930320000-Commercial Choice, 930130000-Gas Customers Industrial, 930330000-Industrial Choice, and 930150000-Gas Customers Other). The number of retail customers is as of the last day of the survey period. NGD Special Studies confirms the retail customers for each affiliate.

BASIS 11

NUMBER OF REGULAR EMPLOYEES

KY PSC Case No. 2016-00162, Attachment A to Staff-Post Hearing 1c

➤ Billing pool charges will be allocated to each benefited affiliate on the basis of the relation of its number of regular employees to the total number of all regular employees of the benefited affiliates.

Compilation

The HR Staffing Report is used to obtain employee counts for each affiliate as of the last day of the survey period.

BASIS 13

FIXED ALLOCATION

➤ Billing pool charges will be allocated to each benefitted affiliate on the basis of fixed percentages on an individual project basis.

Permanent Allocations

Billing pool charges will be allocated to each benefited affiliate on the basis of these fixed percentages:

MS – 17.92% NCS/ 1.77% CKY/ 15.90% COH/ 0.65% CMD/ 7.61% CPA/ 3.50% CGV/ 0.07% NSI/ 44.08% NIP/ 0.29% NDC/ 0.16% EUS/ 0.01% NFC/ 0.01% NET/ 8.03% CMA

Space Allocations

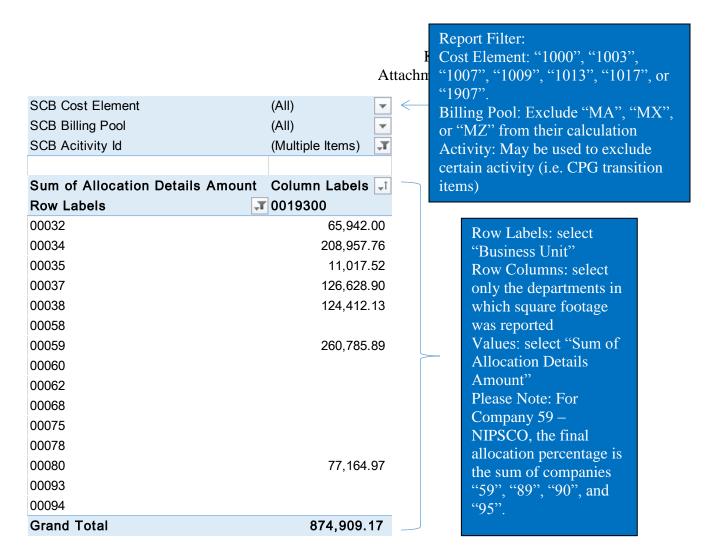
Billing pool charges will be allocated to each benefited affiliate on the basis of the relation of its total weighted expenses by facility's department space allocation to the total of all weighted labor by department space allocation.

MA: Southlake Facility MX: Marble Cliff Facility

MZ: Arena Facility

Compilation

NCSC receives a separate report for each facility from Facilities Management (George Usner and Maggie York) that details the square footage occupancy of each department. Also, NCSC queries for departmental labor costs using the COGNOS SCB Detail Query. Companies 89-NIP-ELEC, 90-NIP-GAS, and 95-NAR are rolled into 59-NIP (the parent). A pivot table is created from the query data, and the data are filtered (filtering is specific to each allocator):



Formula:

- 1) Each department's square footage is weighted to the total square footage for the facility.
- 2) Weighted department square footage is then multiplied to their department's labor dollars by affiliate
- 3) Then the amounts are summed, by affiliate, to arrive at total dollars
- 4) COH is directly added space allocation percentages for COH specific departments for Marble Cliff (MX) and Arena (MZ).
- 5) Finally, each affiliate's total dollars is weighted to the total dollars of all companies

Note: Southlake space allocations/usage are not provided using PeopleSoft departments. It is important to check the PeopleSoft departments selected to those being used by Greg Easton for monthly Southlake rent journal.

IT Devices

Billing pool charges will be allocated to each benefited affiliate per the following:

MD - the relation of affiliate other IT devices (Handheld Wireless Devices, routers, switches, etc.) to the total of all other IT devices.

MK - the relation of affiliate personal computing devices (desktops, laptops, PDAs, etc.) to the total of all personal computing devices.

MM - the relation of affiliate IT devices (50% MD /50% MK) to the total of all IT devices.

Compilation

A COGNOS query is run pulling SCB detail for the relevant survey period. The "SCB Product ID" criteria should be set to pull all the product ID codes shown in the table below. Once exported to Excel, a column needs to be added and named "Allocation". Within this column, a VLOOKUP formula is created to determine if the "Product ID" is associated with MD or MK. Your VLOOKUP formula should reference this table:

15200	MD	Routers (Support)
15200	MD	Routers (Third Party Warranty and Maintenance) - Customer Owned
15201	MD	Routers (Hardware) - SP Owned
15202	MD	Network Accelration Devices (NAD)
15204	MD	Switches (Support)
15205	MD	Switches (Third Party Warranty and Maintenance) - Customer Owned
15205	MD	Switches (Hardware) - SP Owned
15200	MD	PBX Ports (witout 3rd Party Maint.)
15207	MD	PBX Ports (whout 3rd Party Maint.)
15208	MD	Key Systems Ports
15209	MD	Voicemail boxes (without 3rd Party Maint.)
15210	MD	·
15211		Voicemail boxes (w/3rd Party Maint.)
_	MD	Basic Satellite Support
15213	MD	Satellite Support Broadband
15214	MD	Satellite Support Performance
15215	MD	Wireless Access Points (WAPs)
15216	MD	Microwave Systems
15217	MD	Radio Antenna
15218	MD	Radio Systems
15219	MD	Remote Terminal Units (RTUs)
15220	MD	Packet Switch - Capitalized Portion
15240	MD	Voice and Data Circuits
15250	MD	On-site IMACs
15251	MD	Remote IMACs
15297	MD	NSRC Network
15298	MD	Network Services - Transformation Projects
15299	MD	Network Services - Inflight Projects
15500	MK	Desktops (Support)
15501	MK	Desktops (Third Party Maintenance) - Customer Owned
15502	MK	Desktops (Hardware) - SP Owned
15503	MK	Laptops (Support)
15504	MK	Laptops (Third Party Maintenance) - Customer Owned
15505	MK	Laptops (Hardware) - SP Owned
15506	MK	High End PC's Desktop (Third Party Maintenance) - Customer Owned
15507	MK	High End PC's Desktop (Hardware) - SP Owned
15508	MK	High End PC's Laptop (Third Party Maintenance) - Customer Owned
15509	MK	High End PC's Laptop (Hardware) - SP Owned
15510	MK	Mobile Data Terminals (MDTs)
15511	MK	Data Collectors
15512	MK	Virtual PC
15513	MK	Smartphones/Tablets
15514	MK	Special Deskside Support
15515	MK	TechSource Bar
15516	MK	VIP
15517	MK	Capitalized Portion of Laptops & Desktop - SP Owned
15530	MK	On-site IMACs
15531	MK	Remote IMACs
15597	MK	NSRC End-User Services
15598	MK	End User Services - Transformation Projects
15599	MK	End User Services - Inflight Projects

Then, pivot tables are created to further filter the data for each allocator:

Rei	no	rt [']	Fil	lters:
\mathbf{r}	μυ	ıι.	ц	ILLUID.

Allocation Used – set to either "MD" or "MK" to evaluate separately (in these example "MD" was chosen)

SCB Cost Element – select only 3031, 3040, and 3041

Allocation Used	MK
SCB Cost Element	(All)

Row Labels	Sum of Allocation Details Amount
00022	221.48
00032	84,787.51
00034	578,700.77
00035	26,493.79
00037	271,473.96
00038	152,117.35
00058	24,261.38
00059	1,444,350.15
00060	1,367.00
00062	80.79
00068	18.82
00075	247.34
00078	14.53
00080	342,904.37
00093	52.01
00094	48.74
Grand Total	2,927,139.99

Row Labels: select "Business Unit" and exclude "00012" since "00012" is a pass through and nets to zero.

Calculate the pro-rata percentages. These represent the allocations for each company.

Mainframe Usage

MR – Billing pool charges will be allocated to each benefited affiliate on the basis of the relation of its total mainframe costs to the total of all mainframe costs.

Mainframe usage is provided in central processing units (CPU) and is measured in seconds. CPU is used to quantify each BU's usage of the mainframe system.

Allocations are provided by IT Operations (Donald Sievert). NCSC does not perform any calculations.

BASIS 14

NUMBER OF TRANSPORTATION CUSTOMERS

➤ Billing pool charges will be allocated to each benefited affiliate on the basis of the relation of its Transportation Customers to the total of all Transportation Customers of the benefited affiliates.

Compilation

Total Transportation Customers is pulled by company through specific Hyperion accounts, 930111000-Gas Customers Residential Transport, 930121000-Gas Customers Commercial Transport, 930131000-Gas Customers Industrial Transport, and 930151000-Gas Customers Other Transport. Please note: These Hyperion accounts include choice customers.¹ Since the number of Transportation Customers is dynamic, always set the criteria to pull on the last day of the applicable survey period.

BASIS 15

NUMBER OF COMMERCIAL CUSTOMERS

➤ Billing pool charges will be allocated to each benefited affiliate on the basis of the relation of its Commercial Customers to the total of all Commercial Customers of the benefited affiliates.

Compilation

Total Commercial Customers is pulled by company through two specific Hyperion accounts, 930121000- Gas Customers Commercial Transport (Includes choice) and 930120000 - Gas Customers Commercial. Since the number of Commercial Customers is dynamic, always set the criteria to pull on the last day of the applicable survey period.

BASIS 16

NUMBER OF RESIDENTIAL CUSTOMERS

➤ Billing pool charges will be allocated to each benefited affiliate on the basis of the relation of its Residential Customers to the total of all Residential Customers of the benefited affiliates.

Compilation

Total Residential Customers is pulled by company through two specific Hyperion accounts, 930111000-Gas Customers Residential Transport (Includes choice) and 930110000-Gas Customers Residential. Since the number of Residential Customers is dynamic, always set the criteria to pull on the last day of the applicable survey period.

¹ All companies, except for Columbia Gas of Virginia, within this allocation have their production function of their utility business as unregulated. This means that customers have the choice to choose who will supply their gas (fuel). Transmission and Distribution function of their utility business are still regulated.

BASIS 17

NUMBER OF HIGH PRESSURE CUSTOMERS

➤ Billing pool charges will be allocated to each benefited affiliate on the basis of the relation of its High Pressure Customers to the total of all High Pressure Customers of the benefited affiliates.

Compilation

Total High Pressure Customers is pulled by company through a specific Hyperion account, 930350000. Since the number of High Pressure Customers is dynamic, always set the criteria to pull on the last day of the applicable survey period.

BASIS 20

SERVICE COMPANY BILLING (DIRECT AND ALLOCATED) COSTS

Billing pool charges will be allocated to each benefited affiliate on the basis of the relation of its Service Corporation billing costs, in total or by functional group (e.g. IT, Legal, HR, Finance, Audit), to the corresponding total of all Service Company billing costs, (i.e. in total or by functional group). The calculation of Basis 20 will include only those billings for services provided to all NiSource affiliates, excluding Business Unit specific shared service functions (i.e. functions that serve only one particular Business Unit). All companies may be included in this allocation. Specifically:

- TA contract billing costs billed by Service Corporation to the total of all contract billing costs billed by Service Corporation.
- TI contract billing costs billed by the Information Technology business segment to the total of all contract billing costs billed by Information Technology business segment.
- TL contract billing costs billed by the Legal Department to the total of all contract billing costs billed by the Legal Department.

Compilation

A query is run from COGNOS for all contract billing cost billed by Service Corporation. Allocations are calculated as a pro rata percentage of total contract billings (minus the allocation being complied) for each business unit.

<u>TA</u>

SCB Billing Pool SCB Activity Id	(Multiple Items) .T (Multiple Items) .T	Exclude "TA", Exclude Operations Department, Exclude any Transition Work
SCB Charged Department	(Multiple Items)	Orders
<u> </u>		
Row Labels	Sum of Allocation Details Amount	
00032	6,128,401.26	
00034	44,473,968.91	
00035	2,661,047.23	
00037	22,526,695.83	
00038	13,548,198.27	
00058	6,916,987.67	
00059	81,105,642.32	
00060	478,978.48	Exclude Co. 12 and 24
00062	3,799.83	
00068	19,137.38	
00075	49,035.51	
00078	14,477.60	
00080	21,937,532.04	
00093	25,881.70	
00094	23,430.81	
Grand Total	199,913,214.84	

<u>TI</u>

Charged Department Level 4 Desc	Information Technology			
SCB Billing Pool	(Multiple Items)			Filter to Charged Dept Level 4 Desc
SCB Acitivity Id	(Multiple Items)			"Information Technology," exclude "TI"
Accounting Period	(All)			and transition work orders
Row Labels	Sum of Allocation Details Amount	_	,	
00022	11,187.49			
00032	1,251,352.92			
00034	10,647,622.87			
00035	465,063.78			
00037	4,990,578.70			
00038	2,764,355.16			
00058	401,202.25			
00059	18,819,047.89			Exclude Co. 12 and 24
00060	53,815.56			
00068	1,007.78			
00075	2,330.07			
00078	10,379.03			
00080	4,669,972.36			
00093	759.57			
00094	710.32			
Grand Total	44,089,385.75			

<u>TL</u>

SCB Charged Department SCB Billing Pool SCB Acitivity Id	0008100 (Multiple Items) (Multiple Items)	T - T	Filter to Charged Dept 0008100 (Legal - Corporate Services), exclude "TL" and transition work orders
Row Labels	Sum of Allocation Details Amou	nt	
00032	278,507	50	
00034	1,860,680	89	
00035	247,805	38	
00037	1,044,783	53	
00038	856,296	72	
00058	576,902	50	
00059	3,763,238	78	Exclude Co. 12 and 24
00060	66,233	78	
00068	222	80	
00075	560	31	
00078	42	76	
00080	1,323,646	20	
00093	324	29	
00094	306	85	
Grand Total	10,019,552	29	

Application of Allocations

The table below specifies the service categories that NiSource Corporate Services Company provides to associate companies and the primary bases of allocation used when necessary to bill more than one company. Costs are directly charged to a particular affiliate whenever possible. The basis or bases listed under each service category are intended to be illustrative rather than inclusive; depending on the nature of the service being rendered more than one allocation basis may be used by each function.

	Primary Basis of		
Service Department or Function	Allocation		
Accounting and Statistical Services	Basis 1, Basis 20		
Auditing Services	Basis 20		
Budget Services	Basis 1, Basis 20		
Business Promotion Services	Basis 10		
Corporate Services	Basis 20		
Customer Billing, Collection, and Contact			
Services	Basis 10		
Employee Services	Basis 11		
Engineering and Research Services	Basis 1, Basis 10		
Gas Dispatching Services	Basis 10		
Information Services	Basis 20, Basis 11, Basis 1		
Information Technology Services	Basis 13, Basis 20		
Insurance Services	Basis 7		
Interest, Stock and Tax	Basis 20		
Legal Services	Basis 20, Basis 1		
Office Space	Basis 13		
Operations Support and Planning Services	Basis 10, Basis 1		
Purchasing, Storage and Disposition Services	Basis 20, Basis 1		
Rate Services	Basis 10, Basis 1		
Tax Services	Basis 1, Basis 20		
Transportation Services	Basis 20		
Treasury Services	Basis 20		

COLUMBIA GAS OF KENTUCKY, INC. RESPONSE TO STAFF'S POST HEARING DATA REQUESTS DATED NOVEMBER 4, 2016

- 2. Refer to the Noel Rebuttal Testimony beginning at page 2 regarding NCSC (NiSource Corporate Services) charges to Columbia.
- a. With respect to the four areas that account for over 90 percent of the total proposed increase for NCSC charges, provide a breakdown of the cost attributed to each area and how each cost was allocated to Columbia.
- b. With respect to labor and related costs, provide the number of NCSC staff and full time equivalents for calendar years 2014 and 2015, the base period, and the projected level for the calendar 2017 test period.
- c. With respect to building rent, provide the basis for the increase including whether the building(s) primarily responsible for the increase is/are owned by NCSC and how the cost was allocated to Columbia.

Response:

a. Please see the Staff Post Hearing DR Noel-2a Attachment A, also filed in this doacket as CKY_R_PHDR_NOEL2A_ATT_A_111116.xlsx, for a breakdown of the cost attributed to each area and how each cost was allocated to Columbia from 2012 to 2017.

With regard to the forecasted base year and test year, detailed breakdown by cost category and allocation basis exists only at a Company level. Please see the response to Staff Post Hearing Noel-1a for a detailed explanation.

b. Please see the table below for the number of full time equivalents ("FTE") for calendar years 2014 and 2015, the base year, and the projected level for the calendar year 2017.

As of Month and Year	NCSC FTE Count
As of December 2014 (Actual)	1,839
As of December 2015 (Actual)	1,731
As of August 2016 (Actual)	1,790
As of December 2017 (Forecasted)	1,841

c. The largest driver in the increase in rent expense is the expiration of a longterm (30 year) lease and the commencement of a new market-rate lease at our general office in Columbus, Ohio which houses a large percentage of NCSC employees. Additionally, rent expense has increased since 2012 as a result of increased headcount on NCSC, which includes a combination of transfers in from operating affiliates and new hires to support additional requirements. A majority of the rent expense charged to NCSC is related to buildings that are leased by the various operating affiliates. The rent expense is then charged to the affiliates based on either headcount or department occupied space in each building.

Please refer to the NCSC rent process as outlined below. To simplify, the explanation and support has been broken down to a three step process.

Step 1: Either employee headcount or department occupied square footage is used to determine the amount of rent charged to NCSC for each building in which NCSC employees work.

Step 2: The total square footage that NCSC occupies is then broken down by the square footage that each NCSC department occupies. Each department's percentage of total square footage is used to derive its portion of the total NCSC rent expense.

Step 3: Once each NCSC department has been assigned its share of the monthly NCSC rent expense, the department's rental obligation is

then spread to each affiliate, both direct and allocated, based upon how that department as a whole billed its labor in the respective month.

Cost Type	Allocation Basis*	2012 Net**	2017 Net**	Variance \$	Variance %
Labor & Related	Basis 1	949,281			
	Basis 2	1,534			
	Basis 7	12,115			
	Basis 9	14,097			
	Basis 10	1,051,760			
	Basis 11	249,954			
	Basis 13	117,966			
	Basis 14	16,262			
	Basis 20	871,796			
	Direct Billed to CKY	1,752,271			
	NCSC Overheads	107,486			
Labor & Related Total		5,144,522	8,257,668	3,113,147	55%
Other Outside Services	Basis 1	196,838			
	Basis 2	2,871			
	Basis 9	617			
	Basis 10	557,816			
	Basis 11	125,195			
	Basis 13	1,473,969			
	Basis 14	4			
	Basis 20	217,190			
	Direct Billed to CKY	1,539,857			
	NCSC Overheads	111,826			
Other Outside Services Total	Nese Overneads	4,226,183	5,739,028	1,512,845	27%
Rent-Buildings	Basis 1	49,912	3,733,020	1,512,043	2770
Nent Buildings	Basis 2	77			
	Basis 7	846			
	Basis 9	158			
	Basis 10	97,078			
	Basis 10	14,109			
	Basis 13	47,065			
	Basis 14	1,620			
	Basis 20				
	Direct Billed to CKY	48,220			
		120,540			
Dont Buildings Total	NCSC Overheads	7,037	776 200	200 610	70/
Rent-Buildings Total	Dacis 1	386,661	776,280	389,618	7%
Consulting Services	Basis 1	54,386			
	Basis 10	46,834			
	Basis 11	33,854			
	Basis 13	44,042			
	Basis 20	159,770			
	Direct Billed to CKY	8,244			
	NCSC Overheads	29,064			e
Consulting Services Total		376,195	601,452	225,256	4%
Grand Total		10,133,561	15,374,428	5,240,867	92%
	Kentucky Net NCSC	11,749,953	17,441,585	5,691,632	100%

^{*} Please note that allocation basis is not available at the Cost Element/Cost Type level in the forecasted data; Please refer to Staff's Second Request for Information, Item 57 for the 2017 gross forecasted charges by allocation basis.

^{**} Please note that charges referenced in Witness Noel's rebuttal testimony are net of capitalized charges.