

DUKE ENERGY KENTUCKY, INC  
GAS COST ADJUSTMENT CLAUSE

## QUARTERLY REPORT

GAS COST RECOVERY RATES EFFECTIVE FROM November 30, 2016 THROUGH January 2, 2017

DESCRIPTION	UNIT	AMOUNT
EXPECTED GAS COST (EGC)	\$/MCF	3.881
SUPPLIER REFUND ADJUSTMENT (RA)	\$/MCF	0.000
ACTUAL ADJUSTMENT (AA)	\$/MCF	0.373
BALANCE ADJUSTMENT (BA)	\$/MCF	(0.048)
GAS COST RECOVERY RATE (GCR) = EGC + RA + AA +BA	\$/MCF	4.206

## EXPECTED GAS COST CALCULATION

DESCRIPTION	UNIT	AMOUNT
TOTAL EXPECTED GAS COST COMPONENT (EGC)	\$/MCF	3.881

## SUPPLIER REFUND ADJUSTMENT CALCULATION

DESCRIPTION	UNIT	AMOUNT
CURRENT QUARTER SUPPLIER REFUND ADJ.	\$/MCF	0.000
PREVIOUS QUARTER REPORTED SUPPLIER REFUND ADJ.	\$/MCF	0.000
SECOND PREVIOUS QUARTER REPORTED SUPPLIER REFUND ADJ.	\$/MCF	0.000
THIRD PREVIOUS QUARTER REPORTED SUPPLIER REFUND ADJ.	\$/MCF	0.000
SUPPLIER REFUND ADJUSTMENT (RA)	\$/MCF	0.000

## ACTUAL ADJUSTMENT CALCULATION

DESCRIPTION	UNIT	AMOUNT
CURRENT QUARTER ACTUAL ADJUSTMENT	\$/MCF	0.025
PREVIOUS QUARTER REPORTED ACTUAL ADJUSTMENT	\$/MCF	(0.055)
SECOND PREVIOUS QUARTER REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.201
THIRD PREVIOUS QUARTER REPORTED ACTUAL ADJUSTMENT	\$/MCF	0.202
ACTUAL ADJUSTMENT (AA)	\$/MCF	0.373

## BALANCE ADJUSTMENT CALCULATION

DESCRIPTION	UNIT	AMOUNT
CURRENT QUARTER BALANCE ADJUSTMENT	\$/MCF	(0.098)
PREVIOUS QUARTER REPORTED BALANCE ADJUSTMENT	\$/MCF	(0.006)
SECOND PREVIOUS QUARTER REPORTED BALANCE ADJUSTMENT	\$/MCF	0.056
THIRD PREVIOUS QUARTER REPORTED BALANCE ADJUSTMENT	\$/MCF	0.000
BALANCE ADJUSTMENT (BA)	\$/MCF	(0.048)

THIS QUARTERLY REPORT FILED PURSUANT TO ORDER NO. 8373 OF THE KENTUCKY PUBLIC SERVICE COMMISSION DATED APRIL 16, 1982.

DATE FILED: November 9, 2016BY: DON WATHENTITLE: DIRECTOR,  
Rates & Regulatory Strategy - OH/KY

**GAS COST ADJUSTMENT  
DUKE ENERGY KENTUCKY  
EXPECTED GAS COST RATE CALCULATION (EGC)**

**"SUMMARY" FOR THE EGC RATE IN EFFECT AS OF November 30, 2016**

<u><b>DEMAND (FIXED) COSTS:</b></u>	<u>\$</u>
Columbia Gas Transmission Corp.	3,147,310
Columbia Gulf Transmission Corp.	1,023,975
Tennessee Gas Pipeline Company, LLC	671,618
KO Transmission Company	307,584
Texas Gas Transmission	684,090
Gas Marketers	<u>119,652</u>
<b>TOTAL DEMAND COST:</b>	<b>5,954,229</b>
PROJECTED GAS SALES LESS SPECIAL CONTRACT IT PURCHASES:	9,169,477 MCF
DEMAND (FIXED) COMPONENT OF EGC RATE:	\$5,954,229 / 9,169,477 MCF <b>\$0.649 /MCF</b>
<u><b>COMMODITY COSTS:</b></u>	
Gas Marketers	\$2.686 /MCF
Gas Storage	
Columbia Gas Transmission	\$0.535 /MCF
Propane	<u>\$0.000 /MCF</u>
COMMODITY COMPONENT OF EGC RATE:	<b>\$3.221 /MCF</b>
Other Costs:	
Net Charge Off <sup>(1)</sup>	\$17,952 / 1,691,328 \$0.011 /MCF
TOTAL EXPECTED GAS COST:	<u><b>\$3.881 /MCF</b></u>

<sup>(1)</sup> Net Charge Off amount from Case No. 2009-00202 WPD-2.15a.

**GAS COST ADJUSTMENT  
DUKE ENERGY KENTUCKY**

**DETAILS FOR THE EGC RATE IN EFFECT AS OF : November 30, 2016**

	RATE (\$ DTH)	CONTRACT VOLUME (DTH)	NUMBER OF DAYS/MTHS	EXPECTED GAS COST (\$)
<b>INTERSTATE PIPELINE : COLUMBIA GAS TRANSMISSION, LLC</b>				
TARIFF RATE EFFECTIVE DATE : FSS: 2/1/2015				
SST: 5/1/2016				
<b><u>BILLING DEMAND - TARIFF RATE - FSS</u></b>				
Max. Daily Withdrawl Quan.	1.5010	39,656	12	714,284
Seasonal Contract Quantity	0.0288	1,365,276	12	471,839
<b><u>BILLING DEMAND - TARIFF RATE - SST</u></b>				
Maximum Daily Quantity	5.4950	19,828	6	653,729
Maximum Daily Quantity	5.4950	39,656	6	1,307,458
CAPACITY RELEASE CREDIT				0
<b>TOTAL COLUMBIA GAS TRANSMISSION, LLC - DEMAND CHARGES</b>				<b>3,147,310</b>
<b>INTERSTATE PIPELINE : COLUMBIA GULF TRANSMISSION CORP.</b>				
TARIFF RATE EFFECTIVE DATE : FTS-1: 7/1/2016				
<b><u>BILLING DEMAND - TARIFF RATE - FTS-1</u></b>				
Maximum Daily Quantity	3.3300	21,000	5	349,650
Maximum Daily Quantity	3.3300	13,500	7	314,685
Maximum Daily Quantity	3.3300	9,000	12	359,640
CAPACITY RELEASE CREDIT FOR FTS-1				0
<b>TOTAL COLUMBIA GULF TRANSMISSION CORP. DEMAND CHARGES</b>				<b>1,023,975</b>
<b>INTERSTATE PIPELINE : TENNESSEE GAS PIPELINE COMPANY, LLC</b>				
TARIFF RATE EFFECTIVE DATE : FT-A: 11/1/2016				
<b><u>BILLING DEMAND - TARIFF RATE - FTS-1</u></b>				
Maximum Daily Quantity	2.4334	23,000	12	671,618
<b>TOTAL TENNESSEE GAS PIPELINE COMPANY, LLC - DEMAND CHARGES</b>				<b>671,618</b>

Currently Effective Rates  
 Applicable to Rate Schedule FSS  
 Rate Per Dth

	Base Tariff Rate	Transportation Cost		Electric Power		Annual Charge Adjustment 2/	Total Effective Rate	Daily Rate
		Rate Adjustment	Surcharge	Current Costs	Adjustment Surcharge			
<b>Rate Schedule FSS</b>								
Reservation Charge 3/	\$ 1.501	-	-	-	-	-	1.501 ✓	0.0493
Capacity 3/	¢ 2.88	-	-	-	-	-	2.88	2.88
Injection	¢ 1.53	-	-	-	-	-	1.53	1.53
Withdrawal	¢ 1.53	-	-	-	-	-	1.53	1.53
Overrun 3/	¢ 10.87	-	-	-	-	-	10.87	10.87

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

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

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

4.451 + 1.044 = 5.495

Currently Effective Rates  
 Applicable to Rate Schedule SST  
 Rate Per Dth

	Base Tariff Rate 1/2/	TCRA Rates	EPCA Rates	OTRA Rates	CCRM Rates	Total Effective Rate 2/	Daily Rate 2/
Rate Schedule SST							
Reservation Charge 3/4/	\$ 4.601	0.232	0.070	0.073	1.044	6.020	0.1979
Commodity							
Maximum	¢ 1.02	-0.07	0.84	0.00	0.00	1.79	1.79
Minimum	¢ 1.02	-0.07	0.84	0.00	0.00	1.79	1.79
Overrun 4/							
Maximum	¢ 16.15	0.69	1.07	0.24	3.43	21.58	21.58
Minimum	¢ 1.02	-0.07	0.84	0.00	0.00	1.79	1.79

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

0.013 + 0.0114 ACA  
 0.0192 + 0.0193 injection rate  
 0.079 withdraw rate



1700 MacCorkle Avenue SE  
Charleston, WV 25314  
Phone: 304-357-2514  
Fax: 304-357-2654  
jsydnor@nisource.com

June 10, 2013

Mr. Jeff Kern  
Duke Energy Kentucky, Inc.  
139 East Fourth Street  
Cincinnati, OH 45202

RE: SST Service Agreement No. 79977  
Discount Letter Amendment

Dear Mr. Kern:

This letter will serve as an amendment to the SST Service Agreement No. 79977 between Columbia Gas Transmission, LLC (Transporter) and Duke Energy Kentucky, Inc. (Shipper). Transporter and Shipper hereby agree that Section 3 of the above-referenced service agreement is amended to provide the following:

1. The rate for service, for the period from 7/01/2013 to 3/31/2020, will include a discounted demand rate, inclusive of demand surcharges, of \$4.451 for deliveries to the primary delivery point 834696 (KOT DEK MLI); for deliveries to the secondary delivery point STOR (RP Storage Point TCO); and for any receipts into Columbia's pipeline system.
2. Except to the extent Federal Energy Regulatory Commission ("FERC") policies, rules and/or regulations, and/or Transporter's FERC Gas Tariff provide otherwise, for service under the above-referenced Service Agreement to secondary delivery points other than STOR, in lieu of the rate set forth above, Transporter will charge and Shipper will pay the then existing maximum Recourse Rate set forth in Transporter's FERC Gas Tariff from time to time.
3. Notwithstanding the foregoing, the charge to be paid by Shipper to Transporter will be no lower than the applicable total effective minimum charges or higher than the applicable total effective maximum charges as set forth in Transporter's FERC Gas Tariff from time to time.

- 4. The discounted reservation rate will be apportioned in accordance with Section 20 of the General Terms and Conditions of Transporter's FERC Gas Tariff.
- 5. In addition to the reservation charges set forth above, Shipper must provide all applicable commodity charges, surcharges, overrun charges and retainage charges set forth in Transporter's FERC Gas Tariff from time to time.
- 6. In addition to the reservation charges set forth above, commencing on 4/1/2015, Shipper will pay all applicable Capital Cost Recovery Mechanism ("CCRM") charges.

If you are in agreement with the above amendment, please execute both originals of this letter and return one to Transporter at the above address, Attention: Jackie Sydnor, 8<sup>th</sup> floor North.

Executed and agreed to this 10 day of June, 2013.

**DUKE ENERGY KENTUCKY, INC.**

**COLUMBIA GAS TRANSMISSION, LLC**

By: [Signature]

By: [Signature]

Its: EV and CCO, REGULATED UTILITIES

Its: VP, Customer Services & Navigates

*LLK  
DOR  
JEM*

Currently Effective Rates  
 Applicable to Rate Schedule FTS-1  
 Rates in Dollars per Dth

Rate Schedule FTS-1	Base Rate (1) 1/	Total Effective Rate (2) 1/	Daily Rate (3) 1/
<b>Market Zone</b>			
Reservation Charge			
Maximum	4.170	4.170	0.1371
Minimum	0.000	0.000	0.000
		<i>discounted to 3.33</i>	
Commodity			
Maximum	0.0109	0.0109 + 0.0013 = 0.122	0.0109
Minimum	0.0109	0.0109	0.0109
Overrun			
Maximum	0.1480	0.1480	0.1480
Minimum	0.0109	0.0109	0.0109

1/ Excludes the Annual Charge Adjustment (ACA) Surcharge. An ACA Commodity surcharge per Dth shall be assessed where applicable pursuant to Section 154.402 of the Commission's Regulations and in accordance with Section 31 of the GTC of Transporter's FERC Gas Tariff. The ACA unit charge authorized for each fiscal year (commencing October 1) by the Commission and posted on its website (<http://www.ferc.gov>) is incorporated herein by reference.



RETAINAGE PERCENTAGES

Transportation Retainage	<del>1.893%</del> <i>SS†</i>
Gathering Retainage	3.500%
Storage Gas Loss Retainage	<del>0.150%</del> <i>FSS</i>
Ohio Storage Gas Lost Retainage	0.250%
Columbia Processing Retainage	1/ 0.000%

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



1700 MacCorkle Avenue SE  
 Charleston, WV 25314  
 Phone: 304-357-2514  
 Fax: 304-357-2654  
 jsydnor@nisource.com

April 11, 2014

Mr. Jeff Kern  
 Duke Energy Kentucky, Inc.  
 139 East Fourth Street  
 Cincinnati, OH 45202

RE: FTS-1 Service Agreement No. 79970 (Forward Haul)  
 and New FTS-1 Service Agreement (Backward Haul)

Dear Jeff:

Columbia Gulf Transmission, LLC ("Columbia Gulf") would like to propose the terms set forth more fully herein for the restructuring of existing service agreement 79970-FTS-1 between Columbia Gulf and Duke Energy Kentucky, Inc. ("DEK").

Reservation Rate	\$3.33
Winter Volume (11/1 – 3/31)	21,000 Dth/day
Summer Volume (4/1 – 10/31)	13,500 Dth/day
Primary Receipt Point	Rayne
Secondary Receipt Point	P2051220 (Mainline Pool)
Primary Delivery Point	Means
Term Begin Date	11/1/2014
Term End Date	10/31/2019

Columbia Gulf Transmission, LLC ("Columbia Gulf") would like to propose the terms set forth more fully herein for a new service agreement FTS-1 between Columbia Gulf and Duke Energy Kentucky, Inc. ("DEK").

Reservation Rate	\$3.33
Volume (1/1 – 12/31)	9,000 Dth/day
Primary Receipt Point	Leach (801)
Secondary Receipt Point	P2051220 (Mainline Pool)
Primary Delivery Point	Means
Term Begin Date	11/1/2014
Term End Date	10/31/2019

In addition to the above reservation rates, DEK must provide all applicable commodity charges, surcharges, overrun charges and retainage charges set forth in Transporter's FERC Gas Tariff from time to time.

The Columbia Gulf proposal is contingent on the capacity remaining available as of the date that DEK affirms its agreement to contract for the capacity.

Columbia Gulf also proposes a Contractual Right of First Refusal under the restructured service agreements.

The above proposals are offered through April 30, 2014.

If you are in agreement with the above proposals, please execute and return both originals to Columbia Gulf at the above address, Attention: Jackie Sydnor, 8<sup>th</sup> floor North. Upon execution by Columbia Gulf, a fully executed original will be forwarded for your files.

Executed and agreed to this 14<sup>th</sup> day of April, 2014.

PTB

**DUKE ENERGY KENTUCKY, INC.**

**COLUMBIA GULF TRANSMISSION, LLC**

By: [Signature]

By: [Signature]

Its: Manager, Gas Resources

Its: UP

Service Agreement No. 79970

Revision No. 3

### FTS-1 SERVICE AGREEMENT

THIS AGREEMENT is made and entered into this 7 day of October, 2014, by and between COLUMBIA GULF TRANSMISSION, LLC ("Transporter") and DUKE ENERGY KENTUCKY, INC. ("Shipper").

WITNESSETH: That in consideration of the mutual covenants herein contained, the parties hereto agree as follows:

Section 1. Service to be Rendered. Transporter shall perform and Shipper shall receive the service in accordance with the provisions of the effective FTS-1 Rate Schedule and applicable General Terms and Conditions of Transporter's FERC Gas Tariff, Third Revised Volume No. 1 ("Tariff"), on file with the Federal Energy Regulatory Commission ("Commission"), as the same may be amended or superseded in accordance with the rules and regulations of the Commission herein contained. The maximum obligations of Transporter to deliver gas hereunder to or for Shipper, the designation of the points of delivery at which Transporter shall deliver or cause gas to be delivered to or for Shipper, and the points of receipt at which the Shipper shall deliver or cause gas to be delivered, are specified in Appendix A, as the same may be amended from time to time by agreement between Shipper and Transporter, or in accordance with the rules and regulations of the Commission.

Section 2. Term. Service under this Agreement shall commence as of November 1, 2014, and shall continue in full force and effect until October 31, 2019. Shipper and Transporter agree to avail themselves of the Commission's pre-granted abandonment authority upon termination of this Agreement, subject to any right of first refusal Shipper may have under the Commission's Regulations and Transporter's Tariff.

Section 3. Rates. Shipper shall pay the charges and furnish the Retainage as described in the above-referenced Rate Schedule, unless otherwise agreed to by the parties in writing and specified as an amendment to this Service Agreement. Transporter may agree to discount its rate to Shipper below Transporter's maximum rate, but not less than Transporter's minimum rate. Such discounted rate may apply to: (a) specified quantities (contract demand or commodity quantities); (b) specified quantities above or below a certain level or all quantities if quantities exceed a certain level; (c) quantities during specified time periods; (d) quantities at specified points, locations, or other defined geographical areas; (e) that a specified discounted rate will apply in a specified relationship to the quantities actually transported (i.e., that the reservation charge will be adjusted in a specified relationship to quantities actually transported); and (f) production and/or reserves committed by the Shipper.

Section 4. Notices. Notices to Transporter under this Agreement shall be addressed to it at 5151 San Felipe, Suite 2500, Houston, Texas 77056, Attention: Customer Services and notices to Shipper shall be addressed to it at Duke Energy Kentucky, Inc., 139 East Fourth Street, P. O. Box 960, Cincinnati, OH 45202, Attention: Jeff Kern, until changed by either party by written notice.

Section 5. Superseded Agreements. This Service Agreement supersedes and cancels, as of the effective date hereof, the following Service Agreement(s): FTS-1 No. 79970, Revision No. 2.

DUKE ENERGY KENTUCKY, INC.

By Jeff Kern  
Title Agent  
Date October 07, 2014

COLUMBIA GULF TRANSMISSION, LLC

By Stan Chapman  
Title EVP & CCO  
Date October 02, 2014

Appendix A to Service Agreement No. 79970  
 Under Rate Schedule FTS-1  
 between Columbia Gulf Transmission, LLC ("Transporter")  
 and Duke Energy Kentucky, Inc. ("Shipper")

		<u>Transportation Demand</u>			
<u>Begin Date</u>	<u>End Date</u>	<u>Transportation Demand Dth/day</u>	<u>Recurrence Interval</u>	<u>Begin Date</u>	<u>End Date</u>
November 1, 2014	October 31, 2019	21,000	11/1 - 3/31		
November 1, 2014	October 31, 2019	13,500	4/1 - 10/31		
		<u>Primary Receipt Points</u>			
<u>Begin Date</u>	<u>End Date</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Quantity (Dth/day)</u>	<u>Recurrence Interval</u>
November 1, 2014	October 31, 2019	2700010	CGT-RAYNE	21,000	11/1 - 3/31
November 1, 2014	October 31, 2019	2700010	CGT-RAYNE	13,500	4/1 - 10/31
		<u>Primary Delivery Points</u>			
<u>Begin Date</u>	<u>End Date</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Quantity (Dth/day)</u>	<u>Recurrence Interval</u>
November 1, 2014	October 31, 2019	MEANS	MEANS	21,000	11/1 - 3/31
November 1, 2014	October 31, 2019	MEANS	MEANS	13,500	4/1 - 10/31

The Master List of Interconnects ("MLI") as defined in Section 1 of the General Terms and Conditions of Transporter's Tariff is incorporated herein by reference for purposes of listing valid secondary interruptible receipt points and delivery points.

Transporter and Shipper have mutually agreed to the following maximum or minimum pressure commitments:

Yes  No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 33 of the General Terms and Conditions of Transporter's FERC Gas Tariff.  
 Yes  No (Check applicable blank) Shipper has a contractual right of first refusal equivalent to the right of first refusal set forth from time to time in Section 4 of the General Terms and Conditions of Transporter's FERC Gas Tariff.  
 Yes  No (Check applicable blank) This Service Agreement covers interim capacity sold pursuant to the provisions of General Terms and Conditions Section 4. Right of first refusal rights, if any, applicable to this interim capacity are limited as provided for in General Terms and Conditions Section 4.

DUKE ENERGY KENTUCKY, INC.

By Jeff Kern  
Title Agent  
Date October 07, 2014

COLUMBIA GULF TRANSMISSION, LLC

By Stan Chapman  
Title EVP & CCO  
Date October 02, 2014

Service Agreement No. 154404

Revision No. 0

### FTS-1 SERVICE AGREEMENT

THIS AGREEMENT is made and entered into this 7 day of October, 2014, by and between COLUMBIA GULF TRANSMISSION, LLC ("Transporter") and DUKE ENERGY KENTUCKY, INC. ("Shipper").

WITNESSETH: That in consideration of the mutual covenants herein contained, the parties hereto agree as follows:

Section 1. Service to be Rendered. Transporter shall perform and Shipper shall receive the service in accordance with the provisions of the effective FTS-1 Rate Schedule and applicable General Terms and Conditions of Transporter's FERC Gas Tariff, Third Revised Volume No. 1 ("Tariff"), on file with the Federal Energy Regulatory Commission ("Commission"), as the same may be amended or superseded in accordance with the rules and regulations of the Commission herein contained. The maximum obligations of Transporter to deliver gas hereunder to or for Shipper, the designation of the points of delivery at which Transporter shall deliver or cause gas to be delivered to or for Shipper, and the points of receipt at which the Shipper shall deliver or cause gas to be delivered, are specified in Appendix A, as the same may be amended from time to time by agreement between Shipper and Transporter, or in accordance with the rules and regulations of the Commission.

Section 2. Term. Service under this Agreement shall commence as of November 1, 2014, and shall continue in full force and effect until October 31, 2019. Shipper and Transporter agree to avail themselves of the Commission's pre-granted abandonment authority upon termination of this Agreement, subject to any right of first refusal Shipper may have under the Commission's Regulations and Transporter's Tariff.

Section 3. Rates. Shipper shall pay the charges and furnish the Retainage as described in the above-referenced Rate Schedule, unless otherwise agreed to by the parties in writing and specified as an amendment to this Service Agreement. Transporter may agree to discount its rate to Shipper below Transporter's maximum rate, but not less than Transporter's minimum rate. Such discounted rate may apply to: (a) specified quantities (contract demand or commodity quantities); (b) specified quantities above or below a certain level or all quantities if quantities exceed a certain level; (c) quantities during specified time periods; (d) quantities at specified points, locations, or other defined geographical areas; (e) that a specified discounted rate will apply in a specified relationship to the quantities actually transported (i.e., that the reservation charge will be adjusted in a specified relationship to quantities actually transported); and (f) production and/or reserves committed by the Shipper.

Section 4. Notices. Notices to Transporter under this Agreement shall be addressed to it at 5151 San Felipe, Suite 2500, Houston, Texas 77056, Attention: Customer Services and notices to Shipper shall be addressed to it at Duke Energy Kentucky, Inc., 139 East Fourth Street, P. O. Box 960, Cincinnati, OH 45202, Attention: Jeff Kern, until changed by either party by written notice.

Section 5. Superseded Agreements. This Service Agreement supersedes and cancels, as of the effective date hereof, the following Service Agreement(s): N/A.



DUKE ENERGY KENTUCKY, INC.

By Jeff Kern  
Title Agent  
Date October 07, 2014

COLUMBIA GULF TRANSMISSION, LLC

By Stan Chapman  
Title EVP & CCO  
Date October 02, 2014

Appendix A to Service Agreement No. 154404  
 Under Rate Schedule FTS-1  
 between Columbia Gulf Transmission, LLC ("Transporter")  
 and Duke Energy Kentucky, Inc. ("Shipper")

<u>Begin Date</u>	<u>End Date</u>	<u>Transportation Demand</u>	<u>Recurrence Interval</u>
November 1, 2014	October 31, 2019	9,000	1/1 - 12/31
<u>Primary Receipt Points</u>			
<u>Begin Date</u>	<u>End Date</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>
November 1, 2014	October 31, 2019	801	GULF-LEACH
		<u>Maximum Daily Quantity (Dth/day)</u>	<u>Recurrence Interval</u>
		9,000	1/1 - 12/31
<u>Primary Delivery Points</u>			
<u>Begin Date</u>	<u>End Date</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>
November 1, 2014	October 31, 2019	MEANS	MEANS
		<u>Maximum Daily Quantity (Dth/day)</u>	<u>Recurrence Interval</u>
		9,000	1/1 - 12/31

The Master List of Interconnects ("MLI") as defined in Section 1 of the General Terms and Conditions of Transporter's Tariff is incorporated herein by reference for purposes of listing valid secondary interruptible receipt points and delivery points.

Transporter and Shipper have mutually agreed to the following maximum or minimum pressure commitments:

Yes  No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 33 of the General Terms and Conditions of Transporter's FERC Gas Tariff.

Yes  No (Check applicable blank) Shipper has a contractual right of first refusal equivalent to the right of first refusal set forth from time to time in Section 4 of the General Terms and Conditions of Transporter's FERC Gas Tariff.

Yes  No (Check applicable blank) This Service Agreement covers interim capacity sold pursuant to the provisions of General Terms and Conditions Section 4. Right of first refusal rights, if any, applicable to this interim capacity are limited as provided for in General Terms and Conditions Section 4.

DUKE ENERGY KENTUCKY, INC.

By Jeff Kern  
Title Agent  
Date October 07, 2014

COLUMBIA GULF TRANSMISSION, LLC

By Stan Chapman  
Title EVP & CCO  
Date October 02, 2014

## Additional Information

May 18, 2016

Duke Energy Kentucky, Inc.  
139 East Fourth Street  
P.O. Box 960  
Cincinnati, OH 45202

Attention: Jeff Kern

RE: Discounted Rate Agreement  
Rate Schedule FT-A Service Package No. 321247

Dear Jeff:

In response to the request of Duke Energy Kentucky, Inc. ("Duke KY") and pursuant to Section 5.1 of Tennessee Gas Pipeline Company, L.L.C.'s ("Tennessee") Rate Schedule FT-A, Tennessee hereby agrees to adjust its then applicable Rate Schedule FT-A transportation rates for service provided under the above-referenced gas transportation agreement as follows:


1. a) If Duke KY attempts to apply this Discounted Rate Agreement to any volumes and/or to any points not eligible for the discount and thereby fails to pay correctly invoiced and undisputed amounts, then, if such failure is not cured within thirty days of provision of notice by Tennessee to Duke KY of such failure, Tennessee shall have the right, in its sole discretion, to immediately terminate this Discounted Rate Agreement with Duke KY and/or to assess, from the date of such violation of the terms of this Discounted Rate Agreement, the applicable maximum rate on all transactions occurring under the Service Package for the month(s) in which such limits were exceeded.
  - b) For the period commencing November 1, 2016, and extending through March 31, 2019, for gas delivered by Tennessee on behalf of Duke KY to any Zone 2 delivery meter under the above referenced gas transportation agreement, the applicable Rate Schedule FT-A rates for volumes received by Tennessee from any Zone L/1 or Zone 2 receipt meter will be:
    - i) A monthly reservation rate equal to the lesser of (i) \$2.4334 per Dth, or (ii) Tennessee's maximum applicable monthly reservation rate.
    - ii) A daily commodity rate of Tennessee's maximum applicable commodity rate.
  - c) These rates apply to all secondary receipts and deliveries in the paths and zones described above. In addition, Shipper shall also pay ACA, applicable Fuel and Loss Retention (F&LR) and Electric Power Cost Recovery (EPCR) charges and all applicable surcharges specified in Tennessee's FERC Gas Tariff, as may be in effect from time to time ("Tariff").
  - d) Receipts from and/or deliveries to points other than those listed above during the term of this Discounted Rate Agreement shall result in Duke KY being assessed Tennessee's maximum reservation rate under Rate Schedule FT-A for the primary path divided by the number of days in the month for the entire gas transportation agreement TQ on the day(s) of such deliveries and Tennessee's maximum daily commodity rates under Rate Schedule FT-A as well as the applicable F&LR and EPCR charges and all surcharges under Rate Schedule FT-A.
2. If any terms of this Discounted Rate Agreement are disallowed by any order, rulemaking, regulation or policy of the Federal Energy Regulatory Commission, Tennessee may immediately terminate this Discounted Rate Agreement. If any terms of this Discounted Rate Agreement are in any way modified by order, rulemaking, regulation or policy of the Federal Energy Regulatory Commission, Tennessee and Duke KY may mutually

agree to amend this Discounted Rate Agreement in order to ensure that the original commercial intent of the parties is preserved. In the event that the parties cannot achieve mutual agreement, Tennessee reserves the right to immediately terminate this Discounted Rate Agreement.

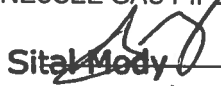
If Duke KY is interested in entering into the Discounted Rate Agreement for firm capacity in accordance with the terms proposed above, please have the authorized representative of Duke KY execute this Discounted Rate Agreement, and return to the undersigned. This Discounted Rate Agreement will become binding upon the parties only after it then is accepted and executed by Tennessee's authorized representative on the below "Agreed to and Accepted" portion. One fully executed copy will be returned for your records.

If an executed Discounted Rate Agreement is not returned via mail, email to [alison\\_stringer@kindermorgan.com](mailto:alison_stringer@kindermorgan.com) or facsimile to 713-369-9305 on or before June 30, 2016, then the Discounted Rate Agreement is nullified, and Duke KY will be billed Tennessee's maximum reservation and commodity rates under Rate Schedule FT-A.

Sincerely,

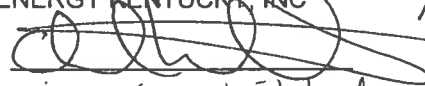
  
Alison G. Stringer  
Account Director, Marketing

AGREED TO AND ACCEPTED  
THIS 7 DAY OF June, 2016  
TENNESSEE GAS PIPELINE COMPANY, L.L.C.

By:   
Name: **Sital Mody**  
**Vice President**  
**Marketing & Business Development**  
Title: \_\_\_\_\_

  
JEG

AGREED TO AND ACCEPTED  
THIS 13 DAY OF June, 2016  
DUKE ENERGY KENTUCKY, INC

By:   
Name: **Chuck Whitlock**  
Title: **SVP midwest Delivery**  
**& Gas operations**

  
CLK  
BOR

GAS TRANSPORTATION AGREEMENT  
(For Use Under FT-A Rate Schedule)

EXHIBIT A

AMENDMENT NO. 0  
TO GAS TRANSPORTATION AGREEMENT  
DATED November 1, 2016

BETWEEN  
TENNESSEE GAS PIPELINE COMPANY, L.L.C.  
AND  
DUKE ENERGY KENTUCKY, INC

Amendment Effective Date: November 1, 2016

Service Package: 321247-FTATGP

Service Package TQ: 23000 Dth

BEGINNING DATE	ENDING DATE	TQ
11/01/2016	03/31/2019	23000

BEGINNING DATE	ENDING DATE	METER	METER NAME	INTERCONNECT PARTY NAME	COUNTY	ST	ZONE	R/D	LEG	METER-TQ
11/01/2016	03/31/2019	420049	COL GAS/TGP NORTH MEANS KY MONTGOME	COLUMBIA GAS TRNSM. CORP.	MONTGOME RY	KY	2	D	100	23000
11/01/2016	03/31/2019	420998	POOLING PT - 800 LEG - ZONE L	TENNESSEE GAS PIPELINE	FRANKLIN	LA	L	R	800	23000

Total Receipt TQ 23000  
Total Delivery TQ 23000

Number of Receipt Points: 1  
Number of Delivery Points: 1

Other Provisions Permitted By Tariff Under the Applicable Rate Schedule and/or General Terms and Conditions and Pursuant to Article XXXVI of the General Terms and Conditions of Tennessee's FERC Gas Tariff:

Note: Exhibit A is a reflection of the contract and all amendments as of the amendment effective date.

GAS TRANSPORTATION AGREEMENT  
(For Use Under FT-A Rate Schedule)  
EXHIBIT B  
TO GAS TRANSPORTATION AGREEMENT  
DATED November 1, 2016  
BETWEEN  
TENNESSEE GAS PIPELINE COMPANY, L.L.C.  
AND  
DUKE ENERGY KENTUCKY, INC

REVENUE REDUCTION OPTION PROVISIONS\*

SERVICE PACKAGE:

OPTION PERIOD(S) \_\_\_\_\_ NOT APPLICABLE \_\_\_\_\_

OPTION DESCRIPTION

\_\_\_\_\_ NOT APPLICABLE \_\_\_\_\_

OPTION CONSIDERATION

\_\_\_\_\_ NOT APPLICABLE \_\_\_\_\_

ANY LIMITATIONS ON  
THE EXERCISE OF THE  
REVENUE REDUCTION  
OPTION AS BID BY  
THE SHIPPER:

\* NOTICE MUST BE GIVEN AS PROVIDED FOR IN THE NET PRESENT VALUE STANDARD OF THE GENERAL TERMS AND CONDITIONS.

**GAS COST ADJUSTMENT  
DUKE ENERGY KENTUCKY**

**DETAILS FOR THE EGC RATE IN EFFECT AS OF : November 30, 2016**

	RATE (\$ DTH)	CONTRACT VOLUME (DTH)	NUMBER OF DAYS/MTHS	EXPECTED GAS COST (\$)
<b>INTERSTATE PIPELINE : KO TRANSMISSION COMPANY</b>				
TARIFF RATE EFFECTIVE DATE : 4/1/2016				
<b><u>BILLING DEMAND - TARIFF RATE - FT</u></b>				
Maximum Daily Quantity	0.3560	72,000	12	307,584
CAPACITY RELEASE CREDIT				0
<b>TOTAL KO TRANSMISSION CO. DEMAND CHARGES</b>				<b>307,584</b>
<b>INTERSTATE PIPELINE : Texas Gas Transmission</b>				
TARIFF RATE EFFECTIVE DATE : 1/15/2014				
<b><u>BILLING DEMAND - TARIFF RATE - STF</u></b>				
Maximum Daily Quantity	0.1950	18,000	151	530,010
Maximum Daily Quantity	0.1200	6,000	214	154,080
CAPACITY RELEASE CREDIT				0
<b>TOTAL TEXAS GAS TRANSMISSION CO. DEMAND CHARGES</b>				<b>684,090</b>
<b>GAS MARKETERS FIXED CHARGES</b>				
November - March	0.0046	12,185,457		56,652
December - February	0.09	700,000		63,000
<b>TOTAL GAS MARKETERS FIXED CHARGES</b>				<b>119,652</b>



KO Transmission Company

Effective Date: 04/01/2016  
FERC Docket: RP16-00695-000  
FERC Order: Delegated Letter Order  
Part 3, Currently Effective Rates, 10.0.0

Status: Effective  
Order Date: 03/30/2016

**CURRENTLY EFFECTIVE RATES  
APPLICABLE TO RATE SCHEDULES FTS AND ITS**

**RATE LEVELS - RATE PER DTH**

	<b>Base Tariff Rate<sup>1/</sup></b>
<b>RATE SCHEDULE FTS</b>	
Reservation Charge <sup>2/</sup>	
Maximum 1	\$0.3560
Maximum 2	\$0.3560
Daily Rate - Maximum 1	\$0.0117
Daily Rate - Maximum 2	\$0.0117
<b>Commodity</b>	
Maximum	\$0.0000 = 10013 ACA
Minimum	\$0.0000
Overrun	\$0.0117
<b>RATE SCHEDULE ITS</b>	
<b>Commodity</b>	
Maximum	\$0.0117
Minimum	\$0.0000

<sup>1/</sup> ACA assessed where applicable pursuant to Section 154.402 of the Commission's regulations and will be charged pursuant to Section 23 of the General Terms and Conditions at such time that initial and successive annual ACA assessments applicable to Transporter are made and posted on the Commission's website (<http://www.ferc.gov>).

<sup>2/</sup> Minimum reservation charge is \$0.00.

Transportation Retainage Adjustment 0.882%

NOTE: Utilizing GISB standards 5.3.22 and 5.3.23, Transporter's Rate Schedule FTS Reservation Charge can be converted to an applicable daily rate by dividing the above monthly rate by 30.4 days.



3800 Frederica Street  
P.O. Box 20008  
Owensboro, KY 42304-0008  
270/926-8686

January 15, 2014

Mr. Jeff Kern  
Duke Energy Kentucky, Inc.  
139 E 4<sup>th</sup> St EX460  
Cincinnati, OH 45202-4003

Re: Discounted Rates Letter Agreement to  
STF Service Agreement No. 33502  
between TEXAS GAS TRANSMISSION, LLC and  
DUKE ENERGY KENTUCKY, INC.  
dated January 15, 2014

Dear Jeff:

This Discounted Rates Letter Agreement ("Agreement") specifies additional terms and conditions applicable to the referenced Firm Service Agreement ("Contract") between Texas Gas Transmission, LLC ("Texas Gas") and Duke Energy Kentucky, Inc. ("Customer"). This Agreement is subject to all applicable Federal Energy Regulatory Commission ("FERC") regulations. In the event the language of this Agreement conflicts with the Contract, the language of this Agreement will control. In the event the language of this Agreement conflicts with Texas Gas' FERC Gas Tariff currently in effect or any superseding tariff ("Tariff"), the language of the Tariff will control.

1. Texas Gas shall provide primary firm service under the Agreement from Primary Receipt Point(s) to the Primary Delivery Point(s) listed in the attached Exhibit A. The rates charged for this service also shall be set forth in Exhibit A.

(a) The Contract Demand(s) for this Agreement shall be: 18,000 MMBtu per day each November – March  
6,000 MMBtu per day each April - October

2. The rates in Exhibit A are applicable only for transportation service utilizing the Primary Point(s) specifically listed on Exhibit A, up to Customer's Contract Demand. The rates in Exhibit B are applicable only for transportation service utilizing the eligible secondary point(s) specifically listed on Exhibit B. If Customer utilizes any other receipt or delivery point, then the applicable maximum rate(s), including all other applicable charges Texas Gas is authorized to charge pursuant to its Tariff, shall apply unless the parties amend Exhibits A and/or B in writing, pursuant to the requirements of the Tariff and prior to nomination, to include such transportation service. If Customer or its Replacement Shipper(s) deliver gas to a point not listed on Exhibit A or B, Customer shall pay the maximum applicable rate for the quantity delivered to such point(s), up to Customer's Contract Demand.

3. This Agreement shall be effective beginning April 1, 2014 and shall continue in full force and effect through October 31, 2017.

4. All rates and services described in this Agreement are subject to the terms and conditions of Texas Gas' Tariff. Texas Gas shall have no obligation to make refunds to Customer unless the maximum rate ultimately established by the FERC for any service described herein is less than the rate paid by Customer under this Agreement. Texas Gas shall have the unilateral right to file with the appropriate regulatory authority and make

changes effective in the filed rates, charges, and services in Texas Gas' Tariff, including both the level and design of such rates, charges and services and the general terms and conditions therein.

5. Except as otherwise provided in the FERC's regulations, this Agreement may not be assigned without the express written consent of the other party. Any assignment shall be in accordance with the Tariff and FERC regulations. Such consent shall not be unreasonably withheld. Any assignment made in contravention of this paragraph shall be void at the option of the other party. If such consent is given, this Agreement shall be binding upon and inure to the benefit of the parties and their successors and assigns.

6. In the event any provision of this Agreement is held to be invalid, illegal or unenforceable by any court, regulatory agency, or tribunal of competent jurisdiction, the validity, legality, and enforceability of the remaining provisions, terms or conditions shall not in any way be affected or impaired thereby, and the term, condition, or provision which is held illegal or invalid shall be deemed modified to conform to such rule of law, but only for the period of time such order, rule, regulation, or law is in effect.

7. THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED UNDER THE LAWS OF THE COMMONWEALTH OF KENTUCKY, EXCLUDING ANY PROVISION WHICH WOULD DIRECT THE APPLICATION OF THE LAWS OF ANOTHER JURISDICTION.

If Customer agrees with the terms and conditions, please so indicate by signing the duplicate originals in the appropriate spaces provided below and returning the originals to Texas Gas.

Very Truly Yours,

TEXAS GAS TRANSMISSION, LLC

By: *David W. Massey*

Name: DAVID W MASSEY

Title: V.P., Southern/Midwest Markets

Date: 1/27/14

ACCEPTED AND AGREED TO this 30<sup>th</sup> day of January, 2014.

DUKE ENERGY KENTUCKY, INC.

By: *Keith Trent*

Name: Keith Trent

Title: EVP & COO-Reg. Utilities

As To Form

DOK

Signature page to Discounted Rates Letter Agreement, Agreement No. 33502, dated January 15, 2014.

Rate Schedule STF  
Agreement No.: 33502  
Discounted Rates Letter Agreement dated January 15, 2014

EXHIBIT A

Primary Receipt Point(s)

All effective primary receipt point(s) listed under the Contract.

Primary Delivery Point(s)

<u>Meter Name</u>	<u>Meter No.</u>	<u>Zone</u>
Duke Energy KY Shipper DE	1872	4

Rate(s)

The following rates shall be applicable to any transaction utilizing (i) a Primary Receipt Point(s) or Eligible Secondary Receipt Point(s); and (ii) a Primary Delivery Point(s) or Eligible Secondary Delivery Point(s).

Demand: \$0.1950 per MMBtu/day each November - March  
\$0.1200 per MMBtu/day each April - October

Commodity: Texas Gas' minimum tariff rate per MMBtu plus applicable surcharges and fuel retention

Discount Qualification: Customer may select Primary Receipt Point capacity up to 120% of Daily Contract Demand in the Winter Season and in the Summer Season with no impact on the discounted demand rates. If Customer selects Primary Receipt Point capacity greater than 120% of Daily Demand in the Winter Season or the Summer Season, then the maximum applicable rate shall apply to all of the Contract Demand.

The discounted demand and commodity rates are applicable for deliveries to the Primary and Eligible Secondary Delivery Points. To the extent Customer or its replacement shipper delivers gas to any other delivery point, or delivers more than the daily contract demand on any day and such volumes are not daily overrun, then Customer shall pay both the maximum demand and commodity rates for all gas quantities on that day.

Rate Schedule STF  
Agreement No.: 33502  
Discounted Rates Letter Agreement dated January 15, 2014

EXHIBIT B

Eligible Secondary Receipt Point(s)

All secondary receipt points located in Texas Gas Rate Zone(s) 1, 2, 3 and 4

Eligible Secondary Delivery Point(s)

<u>Meter Name</u>	<u>Meter No.</u>	<u>Zone</u>
Lebanon-Dominion	1247	4
Lebanon-Columbia Gas	1715	4
Lebanon-Texas Eastern	1859	4
Duke Energy OH Shipper DE	1229	4

Rate(s)

The rates identified on Exhibit A shall be applicable to any transaction utilizing (i) a Primary Receipt Point(s) or Eligible Secondary Receipt Point(s); and (ii) a Primary Delivery Point(s) or Eligible Secondary Delivery Point(s).

Request No. 6345

Rate Schedule STF  
Agreement No.: 33502  
Dated: January 15, 2014

This Agreement is entered into by and between Texas Gas Transmission, LLC, ("Texas Gas") and Duke Energy Kentucky, Inc., ("Customer").

Services under this Agreement are provided pursuant to Subpart B or Subpart G, Title 18, of the Code of Federal Regulations. Service is subject to and governed by the applicable Rate Schedule and the General Terms and Conditions of the Texas Gas FERC Gas Tariff ("Tariff") as they exist or may be modified from time to time and such are incorporated by reference. In the event the language of this Agreement conflicts with Texas Gas' then-current Tariff, the language of the Tariff will control.

Receipt and Delivery Points: Primary Receipt and Primary Delivery Points shall be listed on Exhibit "A".

Contract Demand(s): 18,000 MMBtu/day each November – March  
6,000 MMBtu/day each April - October

Term: This Agreement shall be effective beginning April 1, 2014 and shall continue in full force and effect through October 31, 2017.

Rate: The rate for this Agreement shall be the maximum applicable rate (including all other applicable charges Texas Gas is authorized to charge pursuant to its Tariff) unless the parties have entered into an associated discounted or negotiated rate letter agreement.

Exhibit(s): The following Exhibit(s) are attached and made a part of this Agreement:

- Exhibit A, Primary Points
- Exhibit B, Contract Notice Address

IF YOU ARE IN AGREEMENT WITH THE FOREGOING, PLEASE INDICATE IN THE SPACE PROVIDED BELOW.

Texas Gas Transmission, LLC

Signature: *David W Maseloy*

Date: 1/27/14

Name: DAVID W MASALOY

Title: VP, Southern/Midwest Markets

Duke Energy Kentucky, Inc.

Signature: *Keith Trent*

Date: 1/30/14

Name: Keith Trent

Title: EVP & COO-Reg. Ut. Util.

As To Form  
100%

*JHK*  
*JEM*

EXHIBIT A

PRIMARY POINT(S)  
DELIVERY

AGREEMENT NO.: 33502

EFFECTIVE DATE: April 1, 2014

Delivery Point Meter No.	Delivery Point Meter Name	Zone	Daily Firm Capacity MMBtu/day	
			Winter	Summer
1872	Duke Energy KY Shipper DE, Butler, OH	4	18,000	6,000

Transportation Path:

Mainline Pipeline 10002 through Mainline Pipeline 41500

**Duke Energy Kentucky  
Gas Resources  
Supply Portfolio - November 2016 - March 2017  
Reservation Fees**

			Dth per Day					Total Volume	Reserv. Fee	Total Cost
			Nov	Dec	Jan	Feb	Mar			
<b>Shell</b>										
Columbia Gulf	Base	Fixed	2,500	2,500	2,500	2,500	2,500	377,500	\$0.0000	\$0.00
<b>Total</b>								<u>377,500</u>		<u>\$0.00</u>
<b>Conoco</b>										
Columbia Gulf	Base	Fixed	1,500	1,500	1,500	1,500	1,500	226,500	\$0.0000	\$0.00
<b>Total</b>								<u>226,500</u>		<u>\$0.00</u>
<b>DTE Energy</b>										
Columbia Gulf	Base	FOMI	2,350	5,100	7,050	7,650	1,650	712,500	\$0.0000	\$0.00
Texas Gas	Base	FOMI	2,000	4,000	5,000	4,000	2,000	513,000	\$0.0000	\$0.00
Tennessee	Base	FOMI	2,000	4,000	5,000	4,000	2,000	513,000	\$0.0000	\$0.00
<b>Total</b>								<u>1,738,500</u>		<u>\$0.00</u>
<b>United Energy Trading</b>										
Columbia Gulf	Base	FOMI	2,350	5,100	7,050	7,650	1,650	712,500	\$0.0000	\$0.00
Texas Gas	Base	FOMI	1,957	3,916	4,894	3,916	1,957	502,135	\$0.0000	\$0.00
Tennessee	Base	FOMI	2,000	4,000	5,000	4,000	2,000	513,000	\$0.0000	\$0.00
Texas Gas	Swing	GD	5,177	3,219	2,240	3,219	5,177	575,158	\$0.0049	\$2,818.27
<b>Total</b>								<u>2,302,793</u>		<u>\$2,818.27</u>
<b>Direct Energy</b>										
Columbia Gulf	Swing	GD	7,497	5,997	4,097	3,897	8,897	922,747	\$0.0025	\$2,306.87
Tennessee	Swing	GD	6,308	5,308	4,308	5,308	6,308	831,508	\$0.0025	\$2,078.77
<b>Total</b>								<u>1,754,255</u>		<u>\$4,385.64</u>
<b>Twin Eagle</b>										
Columbia Backhaul (Leach)	Swing	GD	9,059	9,059	9,059	9,059	9,059	1,367,909	\$0.0200	\$27,358.18
<b>Total</b>								<u>1,367,909</u>		<u>\$27,358.18</u>
<b>BP Energy</b>										
Columbia Gulf	Swing	GD	6,000	4,000	3,000	2,000	6,000	639,000	\$0.0050	\$3,195.00
Texas Gas	Swing	GD	9,000	7,000	6,000	7,000	9,000	1,148,000	\$0.0050	\$5,740.00
Tennessee	Swing	GD	6,000	3,000	4,000	3,000	6,000	667,000	\$0.0050	\$3,335.00
<b>Total</b>								<u>2,454,000</u>		<u>\$12,270.00</u>
<b>Chevron</b>										
Columbia Gulf	Swing	GD	8,000	6,000	5,000	5,000	8,000	969,000	\$0.0050	\$4,845.00
Tennessee	Swing	GD	7,000	7,000	5,000	7,000	7,000	995,000	\$0.0050	\$4,975.00
<b>Total</b>								<u>1,964,000</u>		<u>\$9,820.00</u>
<b>Total Firm Supply</b>								<u>12,185,457</u>		<u>\$56,652.09</u>
<b>25 Day Peaking Service (North)</b>										
CIMA (Lebanon or TGT Z1)		Leb+.25/TGT + .55	0	18,000	18,000	18,000	0	1,620,000	\$0.0250	\$40,500.00
Twin Eagle (Lebanon)		Leb + .15	0	10,000	10,000	10,000	0	900,000	\$0.0250	\$22,500.00
								<u>2,520,000</u>		<u>\$63,000.00</u>
<b>Total Duke Energy Kentucky</b>								<u>14,705,457</u>		<u>\$119,652.09</u>

*28,000 x 25 days = 700,000*



**DUKE ENERGY KENTUCKY  
TOTAL RESERVATION COSTS FROM FIRM SUPPLIERS  
ESTIMATED FOR EGC EFFECTIVE 12/1/2016**

**TOTAL ANNUAL RESERVATION COST:**

TOTAL DOLLARS \$ 56,652 (1)

**TOTAL ANNUAL COVERAGE:**

CITY GATE VOLUMES 12,185,457 Dth (2)

**CALCULATED RATE:** \$ 0.0046 per Dth

(1) Reservation charges billed by firm suppliers for 2016 - 2017.

(2) Contracted volumes for the 2016 - 2017 winter season.

**DUKE ENERGY KENTUCKY  
TOTAL RESERVATION COSTS FROM NEEDLE PEAKING SUPPLIERS  
ESTIMATED FOR EGC EFFECTIVE 12/1/2016**

**TOTAL ANNUAL RESERVATION COST:**

TOTAL DOLLARS \$ \$63,000.00 (1)

**TOTAL ANNUAL COVERAGE:**

CITY GATE VOLUMES 700,000 Dth (2)

**CALCULATED RATE:** \$ 0.0900 per Dth

(1) Reservation charges billed by needle peaking suppliers for 2016 - 2017

(2) Contracted volumes for the 2016 - 2017 winter season.

**GAS COST ADJUSTMENT  
DUKE ENERGY KENTUCKY**

**DETAILS FOR THE EGC RATE IN EFFECT AS OF : November 30, 2016**

**GAS COMMODITY RATE FOR DECEMBER, 2016:**

GAS MARKETERS :

WEIGHTED AVERAGE GAS COST @ CITY GATE (\$/Dth) (1):			\$2.8466	\$/Dth
DUKE ENERGY KENTUCKY FUEL	1.400%	\$0.0399	\$2.8865	\$/Dth
DTH TO MCF CONVERSION	1.0910	\$0.2627	\$3.1492	\$/Mcf
ESTIMATED WEIGHTING FACTOR	85.300%		\$2.6863	\$/Mcf
<b>GAS MARKETERS COMMODITY RATE</b>			<b>\$2.686</b>	<b>\$/Mcf</b>

GAS STORAGE :

COLUMBIA GAS TRANS. - STORAGE INVENTORY RATE			\$3.1957	\$/Dth
COLUMBIA GAS TRANS. FSS WITHDRAWAL FEE		\$0.0153	\$3.2110	\$/Dth
COLUMBIA GAS TRANS. SST FUEL	1.893%	\$0.0608	\$3.2718	\$/Dth
COLUMBIA GAS TRANS SST COMMODITY RATE		\$0.0179	\$3.2897	\$/Dth
KO TRANS, COMMODITY RATE		\$0.0013	\$3.2910	\$/Dth
DUKE ENERGY KENTUCKY FUEL	1.400%	\$0.0461	\$3.3371	\$/Dth
DTH TO MCF CONVERSION	1.0910	\$0.3037	\$3.6408	\$/Mcf
ESTIMATED WEIGHTING FACTOR	14.700%		\$0.5352	\$/Mcf
<b>GAS STORAGE COMMODITY RATE - COLUMBIA GAS</b>			<b>\$0.535</b>	<b>\$/Mcf</b>

PROPANE :

ERLANGER PROPANE INVENTORY RATE			\$0.76514	\$/Gallon
GALLON TO MCF CONVERSION	15.38	\$11.0027	\$11.7678	\$/Mcf
ESTIMATED WEIGHTING FACTOR	0.000%		\$0.0000	\$/Mcf
<b>PROPANE COMMODITY RATE</b>			<b>\$0.000</b>	<b>\$/Mcf</b>

(1) Weighted average cost of gas based on NYMEX prices on 11/7/16 and contracted hedging prices.

**GAS COST ADJUSTMENT CLAUSE  
DUKE ENERGY KENTUCKY, INC  
SUPPLIER REFUND ADJUSTMENT  
DETAILS FOR THE THREE MONTH PERIOD ENDED** August 31, 2016

DESCRIPTION	UNIT	AMOUNT
SUPPLIER REFUNDS RECEIVED DURING THREE MONTH PERIOD June 1, 2015 THROUGH August 31, 2016	\$	0.00
INTEREST FACTOR (REFLECTING 90 DAY COMMERCIAL PAPER RATE)		1.0001
REFUNDS INCLUDING INTEREST ( \$0.00 x 1.0001 )	\$	0.00
DIVIDED BY TWELVE MONTH SALES ENDED November 30, 2017	MCF	9,257,925
CURRENT SUPPLIER REFUND ADJUSTMENT	\$/MCF	<u>0.000</u>

**DETAILS OF SUPPLIER REFUNDS RECEIVED DURING THE THREE MONTHS ENDED** August 31, 2016

DESCRIPTION	UNIT	AMOUNT
<u>SUPPLIER</u>		
TOTAL REFUNDS APPLICABLE TO THE CURRENT GCA	\$	<u>0.00</u>

RAU

**GAS COST ADJUSTMENT CLAUSE**  
**DUKE ENERGY KENTUCKY, INC**  
**ACTUAL ADJUSTMENT**  
**DETAILS FOR THE THREE MONTH PERIOD ENDED**      **August 31, 2016**

DESCRIPTION	UNIT	JUNE	JULY	AUGUST
<b><u>SUPPLY VOLUME PER BOOKS</u></b>				
PRIMARY GAS SUPPLIERS	MCF	221,267	199,214	180,394
UTILITY PRODUCTION	MCF	0	0	0
INCLUDABLE PROPANE	MCF	0	0	0
OTHER VOLUMES (SPECIFY) ADJUSTMENT	MCF	(27,666)	(21,896)	(798)
<b>TOTAL SUPPLY VOLUMES</b>	<b>MCF</b>	<b>193,601</b>	<b>177,318</b>	<b>179,596</b>
<b><u>SUPPLY COST PER BOOKS</u></b>				
PRIMARY GAS SUPPLIERS	\$	841,825	927,791	841,900
SPECIAL PURCHASES CREDIT	\$	0	0	0
INCLUDABLE PROPANE	\$	0	0	0
OTHER COSTS (SPECIFY):				
GAS COST UNCOLLECTIBLE	\$	1,795	2,245	2,083
MANAGEMENT FEE	\$	(68,900)	(68,900)	(68,900)
X-5 TARIFF	\$	0	0	0
TRANSPORTATION SERVICE "UNACCOUNTED FOR"	\$	0	0	0
GAS COST CREDIT	\$	0	0	0
LOSSES - DAMAGED LINES	\$	0	0	(68)
TRANSPORTATION TAKE-OR-PAY RECOVERY	\$	0	0	0
SALES TO REMARKETERS	\$	0	0	0
<b>TOTAL SUPPLY COSTS</b>	<b>\$</b>	<b>774,720</b>	<b>861,136</b>	<b>775,015</b>
<b><u>SALES VOLUMES</u></b>				
JURISDICTIONAL	MCF	239,697.4	182,973.5	158,251.4
NON-JURISDICTIONAL	MCF	0.0	0.0	0.0
OTHER VOLUMES (SPECIFY):	MCF	0.0	0.0	0.0
<b>TOTAL SALES VOLUMES</b>	<b>MCF</b>	<b>239,697.4</b>	<b>182,973.5</b>	<b>158,251.4</b>
UNIT BOOK COST OF GAS (SUPPLY \$ / SALES MCF)	\$/MCF	3.232	4.706	4.897
LESS: EGC IN EFFECT FOR THE MONTH	\$/MCF	3.497	3.846	4.018
<b>DIFFERENCE</b>	<b>\$/MCF</b>	<b>(0.265)</b>	<b>0.860</b>	<b>0.879</b>
TIMES: MONTHLY JURISDICTIONAL SALES	MCF	239,697.4	182,973.5	158,251.4
<b>EQUALS MONTHLY COST DIFFERENCE</b>	<b>\$</b>	<b>(63,519.81)</b>	<b>157,357.21</b>	<b>139,102.98</b>
<b>NET COST DIFFERENCE FOR THE THREE MONTH PERIOD</b>	<b>\$</b>			<b>232,940.38</b>
PRIOR PERIOD ADJUSTMENT - GAS COST UNCOLLECTIBLE REVISION	\$			0.00
<b>TOTAL COST USED IN THE CURRENT AA CALCULATION</b>	<b>\$</b>			<b>232,940.38</b>
DIVIDED BY: 12 MONTH PROJECTED SALES ENDED <u>November 30, 2017</u>	MCF			9,257,925
<b>EQUALS CURRENT QUARTERLY ACTUAL ADJUSTMENT</b>	<b>\$/MCF</b>			<b>0.025</b>
AAU				

**GAS COST ADJUSTMENT CLAUSE  
DUKE ENERGY KENTUCKY, INC  
BALANCE ADJUSTMENT  
DETAILS FOR THE TWELVE MONTH PERIOD ENDED August 31, 2016**

DESCRIPTION	UNIT	AMOUNT
<b><u>RECONCILIATION OF A PREVIOUS GAS COST VARIANCE</u></b>		
GAS COST DIFFERENCE TO BE RECOVERED FROM OR (RETURNED TO) CUSTOMERS WHICH WAS USED TO COMPUTE THE "AA" EFFECTIVE AUGUST 31, 2015	\$	(3,794,447.07)
LESS: AMOUNT RECOVERED (RETURNED) BY THE AA OF \$ (0.369) /MCF APPLIED TO TOTAL SALES OF <u>8,115,880</u> MCF (TWELVE MONTHS ENDED August 31, 2016 )	\$	<u>(2,994,759.68)</u>
BALANCE ADJUSTMENT FOR THE "AA"	\$	<u>(799,687.39)</u>
<b><u>RECONCILIATION OF A PREVIOUS SUPPLIER REFUND</u></b>		
SUPPLIER REFUND AMOUNT TO BE DISTRIBUTED TO CUSTOMERS WHICH WAS USED TO COMPUTE THE "RA" EFFECTIVE AUGUST 31, 2015	\$	(3,553.34)
LESS: AMOUNT DISTRIBUTED BY THE "RA" OF \$ <u>0.000</u> /MCF APPLIED TO TOTAL SALES OF <u>8,115,880</u> MCF (TWELVE MONTHS ENDED August 31, 2016 )	\$	<u>0.00</u>
BALANCE ADJUSTMENT FOR THE "RA"		<u>(3,553.34)</u>
<b><u>RECONCILIATION OF A PREVIOUS BALANCE ADJUSTMENT</u></b>		
AMOUNT TO BE RECOVERED FROM OR (RETURNED TO) CUSTOMERS WHICH WAS USED TO COMPUTE THE "BA" EFFECTIVE AUGUST 31, 2015	\$	(465,148.44)
LESS: AMOUNT RECOVERED (RETURNED) BY THE "BA" OF \$ (0.045) /MCF APPLIED TO TOTAL SALES OF <u>8,115,880</u> MCF (TWELVE MONTHS ENDED August 31, 2016 )	\$	<u>(365,214.59)</u>
BALANCE ADJUSTMENT FOR THE "BA"	\$	<u>(99,933.85)</u>
TOTAL BALANCE ADJUSTMENT AMOUNT	\$	<u>(903,174.58)</u>
DIVIDED BY: 12 MONTHS PROJECTED SALES ENDED November 30, 2017	MCF	<u>9,257,925</u>
EQUALS: CURRENT QUARTER BALANCE ADJUSTMENT	\$/MCF	<u>(0.098)</u>

DUKE ENERGY KENTUCKY  
SUPPLEMENTAL INFORMATION  
FOR THE EXPECTED GAS COST (EGC) RATE CALCULATION  
OF THE GAS COST RECOVERY RATE  
IN EFFECT AS OF NOVEMBER 30, 2016

4th Quarter

DUKE ENERGY Kentucky, Inc.  
 USED FOR GCA EFFECTIVE November 30, 2016

COMPUTATION OF THE INTEREST FACTOR  
 FOR THE GCA CALCULATION ON SCHEDULE II

TWELVE MONTHS ENDED September 30, 2016  
 BLOOMBERG REPORT (90-DAY COMMERCIAL PAPER RATES)

INTEREST RATE	0.0002
PAYMENT	0.083342
ANNUAL TOTAL	1.0001
MONTHLY INTEREST	0.000017
AMOUNT	1

SEPTEMBER	2015	0.29	
OCTOBER	2015	0.14	
NOVEMBER	2015	0.33	
DECEMBER	2015	0.57	
JANUARY	2016	0.52	
FEBRUARY	2016	0.54	
MARCH	2016	0.49	
APRIL	2016	0.53	
MAY	2016	0.59	
JUNE	2016	0.56	
JULY	2016	0.48	
AUGUST	2016	0.77	5.81
SEPTEMBER	2016	0.76	6.28

PRIOR ANNUAL TOTAL	5.81
PLUS CURRENT MONTHLY R	0.76
LESS YEAR AGO RATE	0.29
NEW ANNUAL TOTAL	6.28
AVERAGE ANNUAL RATE	0.52
LESS 0.5% (ADMINISTRATIVE	0.02

DUKE ENERGY KENTUCKY  
GAS SERVICE  
SUMMARY OF GCA a/k/a GCR COMPONENTS  
MONTH: June 2016

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Retail BILL CODE	MCF Usage REPORTED SALES	Exptd Gas Cost EGC \$	RECONCILIATION ADJUSTMENT			ACTUAL ADJUSTMENT			BALANCE ADJUSTMENT			TOTAL BA		
			CURRENT	PREVIOUS	SEC.PREV.	THRD.PREV.	TOTAL RA	CURRENT	PREVIOUS	SEC.PREV.	THRD.PREV.		TOTAL AA	
124		4.834	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.20)	
144		4.677	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.10)	
154		4.967	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.39)	
164	(69.3)	5.122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
015	20.4	4.793	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
035	22.4	4.205	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
045	91.3	4.127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
065	3.1	3.659	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
075	(10.2)	3.796	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
085	22.8	4.010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
105	7.5	3.972	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
115	(5.3)	3.906	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
125	4.4	3.986	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
145	2.2	3.782	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
155	8.7	4.287	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
165	(2,686.0)	3.613	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
016	(2,745.1)	3.439	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
036	(2,780.4)	3.566	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
046	4,768.0	3.600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
066	(13,855.5)	2.827	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
076	6,650.6	3.433	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
086	250,247.8	3.462	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL RETAIL			239,697.4											
TRANSPORTATION: IFT3														
Customer Choice Program (GCAT):														
055			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
085			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
135			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
026			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
056	7,814.2		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL FOR CHOICE			7,814.2											
TOTAL FOR Gas Cost Recovery (GCR)														
TOTAL FOR CHOICE			7,814.2											
TOTAL FOR GAS COST RECOVERY (GCR)														
TOTAL FOR CHOICE			7,814.2											
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TOTAL FOR GAS COST RECOVERY (GCR)														
TOTAL FOR CHOICE			7,814.2											



**DUKE ENERGY COMPANY KENTUCKY  
DETERMINATION OF TOTAL SUPPLY COST  
MONTH OF JUNE 2016**

<u>DESCRIPTION</u>	<u>W/P</u>		<u>TOTAL AMOUNT ROUNDED</u>
<u>PRIMARY GAS SUPPLY COST</u>			\$
current month estimate	B1	917,240.18	
adjustments from prior month	B2	(80,299.57)	
Interruptible Transportation monthly charges by Gas Supply - PM	C	4,884.08	841,825
 <u>LESS: RATE SCHEDULE CF CREDIT</u>			
current month		0.00	
adjustments		0.00	0
 <u>PLUS: INCLUDABLE PROPANE</u>			
a/c 728-3 Erlanger	D2	0.00	0
 <u>PLUS: GAS COST UNCOLLECTIBLE</u>			
	E	1,795.00	1,795
 <u>LESS: X-5 TARIFF</u>		0.00	0
<u>LESS Tenaska MANAGEMENT FEE</u>	F	68,900.00	(68,900)
 <u>LESS: TOP TRANSP. RECOVERIES</u>		0.00	0
<u>LESS: GAS LOSSES - DAMAGED LINES</u>	G	0.00	0
		0.00	
adjustments		0.00	0
<u>LESS: GAS COST CREDIT</u>		0.00	0
 <u>LESS: FIRM TRANSPORTATION ADJUSTMENTS</u>			
current month		0.00	
adjustments		0.00	0
 <b>TOTAL SUPPLY COSTS</b>			 <b>774,720</b>

ACCOUNTING ENTRY FOR DEFERRAL ONLY

AMOUNT

ACCTS: 191990 - Unrecv PG - Asset /191400 - Unrecv PG\$ - Liabl	(63,519.81)
ACCOUNT 0805002 - Unrecv PG Adj - Expense	63,519.81

## PURCHASED GAS ADJUSTMENT

## SCHEDULE III

COMPANY NAME: DUKE ENERGY COMPANY KENTUCKY

## ACTUAL ADJUSTMENT

DETAILS FOR THE MONTH JUNE 2016

<u>PARTICULARS</u>	<u>UNIT</u>	<u>W/P</u>	<u>MONTH JUNE 2016</u>
<u>SUPPLY VOLUME PER BOOKS</u>			
Primary Gas Suppliers	MCF	B1	221,267
Utility Production	MCF		0
Includable Propane	MCF	D1	0
Other Volumes (Specify) - Previous Month Adj.	MCF	B2	(27,666)
TOTAL SUPPLY VOLUMES	MCF		193,601
<u>SUPPLY COST PER BOOKS</u>			
Primary Gas Suppliers	\$	A1	841,825
Includable Propane	\$		0
Gas Cost Uncollectible	\$	A1	1,795
Other Cost (Specify) - Gas Cost Credit	\$		0
- Unacct'd for Transp.	\$		0
- CF Credit	\$		0
- X-5 Tariff	\$		0
- CMT Management Fee	\$	A1	(68,900)
- Losses-Damaged Lines	\$	A1	0
- Gas Sold to Remarketers	\$		0
- TOP Transp. Recoveries	\$		0
TOTAL SUPPLY COST	\$	A1	774,720
<u>SALES VOLUMES</u>			
Jurisdictional - Retail	MCF	H	239,697.40
Non-Jurisdictional	MCF		
Other Volumes (Specify) -	MCF		
TOTAL SALES VOLUME	MCF		239,697.4
UNIT BOOK COST OF GAS (SUPPLY \$ / SALES MCF)	\$/MCF		3.232
LESS: EGC IN EFFECT FOR MONTH	\$/MCF	H	3.497
DIFFERENCE	\$/MCF		(0.265)
TIMES: MONTHLY JURISDICTIONAL SALES	MCF		239,697.4
MONTHLY COST DIFFERENCE	\$		(63,519.81)

DUKE ENERGY COMPANY KENTUCKY

JUNE 2016

	<u>Applied</u> <u>MCF Sales</u>	<u>W/P</u>	<u>Amount</u>	<u>\$/MCF</u>
<b><u>GAS FUEL ADJUSTMENT BILLED</u></b>				
EGC - Retail	239,697.4	H	838,141	3.49666429
RA		H	0	
AA		H	22,102	
BA		H	10,245	
TOTAL GAS COST RECOVERY(GCR)			<u>870,488.13</u>	
TOTAL SALES VOLUME	239,697.4			
LESS: NON-JURISDICTIONAL SALES	<u>0.0</u>			
JURISDICTIONAL SALES	<u>239,697.4</u>			
<b><u>PROOF OF UNRECOVERED PURCHASED GAS COST ENTRY</u></b>				
SUPPLIER COST - CURRENT MONTH	239,697.4		774,720.00	3.23207511
UNRECOVERED PURCHASED GAS COST			85,621.83	
ROUNDING(ADD/(DEDUCT))			<u>(98.47)</u>	
TOTAL GAS COST IN REVENUE			<u>860,243.36</u>	
TOTAL GAS COST RECOVERY(GCR)			870,488.13	
LESS: RA			0.00	
BA			<u>10,244.77</u>	
PLUS: COST OF NON-JURISDICTIONAL SALES			<u>880,732.90</u>	
UNRECOVERED PURCHASED GAS COST ENTRY			85,621.83	
LESS: AA			<u>22,102.02</u>	
MONTHLY COST DIFFERENCE			63,519.81	
EXTENDED MONTHLY COST DIFFERENCE			<u>63,421.34</u>	
ROUNDING			<u>(98.47)</u>	

DUKE ENERGY KENTUCKY  
GAS SERVICE  
SUMMARY OF GCA a/k/a GCR COMPONENTS  
MONTH: July 2016

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Bill Code	MCF Usage Reported Sales	Exprd Gas Cost EGC \$	RECONCILIATION ADJUSTMENT			ACTUAL ADJUSTMENT			BALANCE ADJUSTMENT			TOTAL BA	
			Current	Previous	Sec.Prev.	Thrd.Prev.	Total	Current	Previous	Sec.Prev.	Thrd.Prev.		Total
124	4.834	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(1.49)
144	4.677	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(2.69)
154	4.967	42.72	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(4.18)
164	5.122	(60.95)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	126.09
015	4.783	(38.0)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	87.31
035	4.205	12.62	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	32.98
045	4.127	496.89	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	34.37
065	3.659	(23.42)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	134.67
075	3.796	(70.99)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	(205.53)
085	4.010	80.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	124.09
105	3.972	25.02	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	190.42
115	3.906	76.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5,369.62
125	3.986	131.54	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	3.782	226.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	4.287	397.83	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	3.613	(10,123.26)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
016	3.439	(6,672.69)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
036	3.666	(7,451.62)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
046	3.600	17,314.20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
066	2.827	(20,750.75)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
076	3.433	15,214.37	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
086	3.482	(14,648.80)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106	3.805	729,720.62	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL RETAIL	182,973.5	703,752.73	37,697.11	39,268.68	7,307.41	(67,479.30)	15,783.90	10,502.68	5,115.19	(6,229.19)	7,386.68	0.000	0.000
TRANSPORTATION: IFT3													
Customer Choice Program (GCAT):													
055													
085													
135													
026													
056													
096	7,164.5		1,440.06	1,447.23	286.58	(2,643.70)	530.17	401.21	200.61	(322.40)	279.42	0.000	0.000
FT CHOICE	7,164.5		1,440.06	1,447.23	286.58	(2,643.70)	530.17	401.21	200.61	(322.40)	279.42	0.000	0.000
TOTAL FOR CHOICE			39,137.17	39,715.91	7,593.99	(70,123.00)	16,324.07	10,903.89	5,315.80	(6,551.59)	7,688.10	0.000	0.000
TOTAL FOR Gas Cost Recovery (GCR)													
CONTROL CK													
positive=recovered=cr 253130													
negative=reduce refund=dr 253130													
Firm Transportation: IFT													
FT	127,562.1												
Interruptible Transportation: IT01													
IT	119,369.6												
Grand Total	436,069.7												
ADJUSTED EGC	3,846												

JE ID - KUNBIL AMZ

**DUKE ENERGY COMPANY KENTUCKY  
DETERMINATION OF TOTAL SUPPLY COST  
MONTH OF JULY 2016**

<u>DESCRIPTION</u>	<u>W/P</u>		<u>TOTAL AMOUNT ROUNDED</u>
<u>PRIMARY GAS SUPPLY COST</u>			\$
current month estimate	B1	990,741.42	
adjustments from prior month	B2	(61,442.15)	
Interruptible Transportation monthly charges by Gas Supply - PM	C	<u>(1,508.74)</u>	927,791
<u>LESS: RATE SCHEDULE CF CREDIT</u>			
current month		0.00	
adjustments		<u>0.00</u>	0
<u>PLUS: INCLUDABLE PROPANE</u>			
a/c 728-3 Erlanger	D2	<u>0.00</u>	0
<u>PLUS: GAS COST UNCOLLECTIBLE</u>			
	E	<u>2,245.00</u>	2,245
<u>LESS: X-5 TARIFF</u>		0.00	0
<u>LESS Tenaska MANAGEMENT FEE</u>			
	F	<u>68,900.00</u>	(68,900)
<u>LESS: TOP TRANSP. RECOVERIES</u>		0.00	0
<u>LESS: GAS LOSSES - DAMAGED LINES</u>			
	G	<u>0.00</u>	0
adjustments		0.00	
		<u>0.00</u>	0
<u>LESS: GAS COST CREDIT</u>		0.00	0
<u>LESS: FIRM TRANSPORTATION ADJUSTMENTS</u>			
current month		0.00	
adjustments		<u>0.00</u>	0
<b>TOTAL SUPPLY COSTS</b>			<u><u>861,136</u></u>

**ACCOUNTING ENTRY FOR DEFERRAL ONLY**

**AMOUNT**

ACCTS: 191990 - Unrecv PG - Asset /191400 - Unrecv PG\$ - Liabl	157,357.21
ACCOUNT 0805002 - Unrecv PG Adj - Expense	(157,357.21)

## PURCHASED GAS ADJUSTMENT

## SCHEDULE III

COMPANY NAME: DUKE ENERGY COMPANY KENTUCKY

## ACTUAL ADJUSTMENT

DETAILS FOR THE MONTH JULY 2016

<u>PARTICULARS</u>	<u>UNIT</u>	<u>W/P</u>	<u>MONTH JULY 2016</u>
<u>SUPPLY VOLUME PER BOOKS</u>			
Primary Gas Suppliers	MCF	B1	199,214
Utility Production	MCF		0
Includable Propane	MCF	D1	0
Other Volumes (Specify) - Previous Month Adj.	MCF	B2	(21,896)
TOTAL SUPPLY VOLUMES	MCF		177,318
<u>SUPPLY COST PER BOOKS</u>			
Primary Gas Suppliers	\$	A1	927,791
Includable Propane	\$		0
Gas Cost Uncollectible	\$	A1	2,245
Other Cost (Specify) - Gas Cost Credit	\$		0
- Unacct'd for Transp.	\$		0
- CF Credit	\$		0
- X-5 Tariff	\$		0
- CMT Management Fee	\$	A1	(68,900)
- Losses-Damaged Lines	\$	A1	0
- Gas Sold to Remarketers	\$		0
- TOP Transp. Recoveries	\$		0
TOTAL SUPPLY COST	\$	A1	861,136
<u>SALES VOLUMES</u>			
Jurisdictional - Retail	MCF	H	182,973.50
Non-Jurisdictional	MCF		
Other Volumes (Specify) -	MCF		
TOTAL SALES VOLUME	MCF		182,973.5
UNIT BOOK COST OF GAS (SUPPLY \$ / SALES MCF)	\$/MCF		4.706
LESS: EGC IN EFFECT FOR MONTH	\$/MCF	H	3.846
DIFFERENCE	\$/MCF		0.860
TIMES: MONTHLY JURISDICTIONAL SALES	MCF		182,973.5
MONTHLY COST DIFFERENCE	\$		157,357.21

DUKE ENERGY COMPANY KENTUCKY

JULY 2016

	<u>Applied MCF Sales</u>	<u>W/P</u>	<u>Amount</u>	<u>\$/MCF</u>
<b><u>GAS FUEL ADJUSTMENT BILLED</u></b>				
EGC - Retail	182,973.5	H	703,753	3.84620030
RA		H	0	
AA		H	16,324	
BA		H	7,668	
TOTAL GAS COST RECOVERY(GCR)			<u>727,744.90</u>	
TOTAL SALES VOLUME	182,973.5			
LESS: NON-JURISDICTIONAL SALES	<u>0.0</u>			
JURISDICTIONAL SALES	<u>182,973.5</u>			
<b><u>PROOF OF UNRECOVERED PURCHASED GAS COST ENTRY</u></b>				
SUPPLIER COST - CURRENT MONTH	182,973.5		861,136.00	4.70634272
UNRECOVERED PURCHASED GAS COST			(141,033.14)	
ROUNDING(ADD/(DEDUCT))			<u>(26.06)</u>	
TOTAL GAS COST IN REVENUE			<u>720,076.80</u>	
TOTAL GAS COST RECOVERY(GCR)			727,744.90	
LESS: RA			0.00	
BA			<u>7,668.10</u>	
PLUS: COST OF NON-JURISDICTIONAL SALES			<u>735,413.00</u>	
UNRECOVERED PURCHASED GAS COST ENTRY			(141,033.14)	
LESS: AA			<u>16,324.07</u>	
MONTHLY COST DIFFERENCE			(157,357.21)	
EXTENDED MONTHLY COST DIFFERENCE			<u>(157,383.27)</u>	
ROUNDING			<u>(26.06)</u>	

DUKE ENERGY KENTUCKY  
GAS SERVICE  
SUMMARY OF GCA #/a GCR COMPONENTS  
MONTH: August 2016

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BILL CODE	MCF Usage REPORTED SALES	Exptd Gas Cost EGC \$	RECONCILIATION ADJUSTMENT			ACTUAL ADJUSTMENT			BALANCE ADJUSTMENT			TOTAL BA
			CURRENT	PREVIOUS	THRD.PREV.	CURRENT	PREVIOUS	THRD.PREV.	CURRENT	PREVIOUS	THRD.PREV.	
124		4,834	0.00	0.00	0.00	0.201	0.202	0.040	0.000	0.028	0.056	(0.83)
144		4,677	0.00	0.00	0.00							(1.50)
154		4,967	0.00	0.00	0.00							(3.07)
164		5,122	0.00	0.00	0.00							89.86
015		4,793	0.00	0.00	0.00							81.04
035	(0.1)	4,205	0.00	0.00	0.00							41.24
045	0.0	4,127	0.00	0.00	0.00							89.86
065	0.5	3,659	0.00	0.00	0.00							81.04
075	(5.1)	3,796	0.00	0.00	0.00							41.24
085	8.0	4,010	0.00	0.00	0.00							89.86
105	(0.4)	3,972	0.00	0.00	0.00							81.04
115	7.0	3,906	0.00	0.00	0.00							41.24
125	18.4	3,986	0.00	0.00	0.00							89.86
145	33.4	3,792	0.00	0.00	0.00							81.04
155	68.3	4,287	0.00	0.00	0.00							41.24
165	(1,986.9)	3,613	0.00	0.00	0.00							89.86
016	(1,800.8)	3,439	0.00	0.00	0.00							81.04
036	(916.5)	3,686	0.00	0.00	0.00							41.24
046	2,911.0	3,600	0.00	0.00	0.00							89.86
066	(5,265.4)	2,827	0.00	0.00	0.00							81.04
076	2,214.8	3,433	0.00	0.00	0.00							41.24
086	(2,017.8)	3,462	0.00	0.00	0.00							89.86
106	(2,644.4)	3,805	0.00	0.00	0.00							81.04
116	167,647.4	3,973	0.00	0.00	0.00							41.24
TOTAL RETAIL	158,251.4	635,921.60				32,758.02	32,892.78	6,324.85	68,391.10	13,584.55	9,126.60	(7,120.87)
TRANSPORTATION: IFT3												
Customer Choice Program (GCAT):												
085												
095												
135												
026												
056												
096	5,972.5											
FT CHOICE	5,972.5											
TOTAL FOR CHOICE												
TOTAL FOR Gas Cost Recovery (GCR)												
CONTROL CK												
positive=recovered=cr 253130												
negative=reduce refund=dr 253130												
0253130 Gas RefundPrbs Adj due Cust (Lab)												
0191400 Gas RefundPrbs Adj due Cust (Lab)												

JE ID - KUNBIL AMZ

Firm Transportation: IFT	
FT	122,644.7
Interruptible Transportation: IFT01	
IT	111,028.0
Grand Total	397,896.6
ADJUSTED EGC	4,018



**DUKE ENERGY COMPANY KENTUCKY  
DETERMINATION OF TOTAL SUPPLY COST  
MONTH OF AUGUST 2016**

<u>DESCRIPTION</u>	<u>W/P</u>		<u>TOTAL AMOUNT ROUNDED</u>
<u>PRIMARY GAS SUPPLY COST</u>			\$
current month estimate	B1	846,010.31	
adjustments from prior month	B2	(4,206.61)	
Interruptible Transportation monthly charges by Gas Supply - PA	C	96.59	
		<hr/>	841,900
 <u>LESS: RATE SCHEDULE CF CREDIT</u>			
current month		0.00	
adjustments		0.00	
		<hr/>	0
 <u>PLUS: INCLUDABLE PROPANE</u>			
a/c 728-3 Erlanger	D2	0.00	
		<hr/>	0
 <u>PLUS: GAS COST UNCOLLECTIBLE</u>			
	E	2,083.00	2,083
 <u>LESS: X-5 TARIFF</u>			
		0.00	0
 <u>LESS Tenaska MANAGEMENT FEE</u>			
	F	68,900.00	(68,900)
 <u>LESS: TOP TRANSP. RECOVERIES</u>			
		0.00	0
 <u>LESS: GAS LOSSES - DAMAGED LINES</u>			
	G	(68.22)	(68)
		0.00	
adjustments		0.00	
		<hr/>	0
 <u>LESS: GAS COST CREDIT</u>			
		0.00	0
 <u>LESS: FIRM TRANSPORTATION ADJUSTMENTS</u>			
current month		0.00	
adjustments		0.00	
		<hr/>	0
 <b>TOTAL SUPPLY COSTS</b>			 <b><u><u>775,015</u></u></b>

**ACCOUNTING ENTRY FOR DEFERRAL ONLY**

**AMOUNT**

ACCTS: 191990 - Unrecv PG - Asset /191400 - Unrecv PG\$ - Liabl	139,102.98
ACCOUNT 0805002 - Unrecv PG Adj - Expense	(139,102.98)

## PURCHASED GAS ADJUSTMENT

## SCHEDULE III

COMPANY NAME: DUKE ENERGY COMPANY KENTUCKY

## ACTUAL ADJUSTMENT

DETAILS FOR THE MONTH AUGUST 2016

<u>PARTICULARS</u>	<u>UNIT</u>	<u>W/P</u>	<u>MONTH AUGUST 2016</u>
<u>SUPPLY VOLUME PER BOOKS</u>			
Primary Gas Suppliers	MCF	B1	180,394
Utility Production	MCF		0
Includable Propane	MCF	D1	0
Other Volumes (Specify) - Previous Month Adj.	MCF	B2	(798)
<b>TOTAL SUPPLY VOLUMES</b>	<b>MCF</b>		<b>179,596</b>
<u>SUPPLY COST PER BOOKS</u>			
Primary Gas Suppliers	\$	A1	841,900
Includable Propane	\$		0
Gas Cost Uncollectible	\$	A1	2,083
Other Cost (Specify) - Gas Cost Credit	\$		0
- Unacct'd for Transp.	\$		0
- CF Credit	\$		0
- X-5 Tariff	\$		0
- CMT Management Fee	\$	A1	(68,900)
- Losses-Damaged Lines	\$	A1	(68)
- Gas Sold to Remarketers	\$		0
- TOP Transp. Recoveries	\$		0
<b>TOTAL SUPPLY COST</b>	<b>\$</b>	<b>A1</b>	<b>775,015</b>
<u>SALES VOLUMES</u>			
Jurisdictional - Retail	MCF	H	158,251.40
Non-Jurisdictional	MCF		
Other Volumes (Specify) -	MCF		
<b>TOTAL SALES VOLUME</b>	<b>MCF</b>		<b>158,251.4</b>
UNIT BOOK COST OF GAS (SUPPLY \$ / SALES MCF)	\$/MCF		4.897
LESS: EGC IN EFFECT FOR MONTH	\$/MCF	H	4.018
DIFFERENCE	\$/MCF		0.879
TIMES: MONTHLY JURISDICTIONAL SALES	MCF		158,251.4
<b>MONTHLY COST DIFFERENCE</b>	<b>\$</b>		<b>139,102.98</b>

DUKE ENERGY COMPANY KENTUCKY

AUGUST 2016

	<u>Applied</u> <u>MCF Sales</u>	<u>W/P</u>	<u>Amount</u>	<u>\$/MCF</u>
<b><u>GAS FUEL ADJUSTMENT BILLED</u></b>				
EGC - Retail	158,251.4	H	635,922	4.01842638
RA		H	0	
AA		H	14,027	
BA		H	6,666	
TOTAL GAS COST RECOVERY(GCR)			<u>656,614.19</u>	
TOTAL SALES VOLUME	158,251.4			
LESS: NON-JURISDICTIONAL SALES	<u>0.0</u>			
JURISDICTIONAL SALES	<u>158,251.4</u>			
<b><u>PROOF OF UNRECOVERED PURCHASED GAS COST ENTRY</u></b>				
SUPPLIER COST - CURRENT MONTH	158,251.4		775,015.00	4.89736584
UNRECOVERED PURCHASED GAS COST			(125,076.46)	
ROUNDING(ADD/(DEDUCT))			<u>9.58</u>	
TOTAL GAS COST IN REVENUE			<u>649,948.12</u>	
TOTAL GAS COST RECOVERY(GCR)			656,614.19	
LESS: RA			0.00	
BA			<u>6,666.07</u>	
PLUS: COST OF NON-JURISDICTIONAL SALES			<u>663,280.26</u>	
UNRECOVERED PURCHASED GAS COST ENTRY			(125,076.46)	
LESS: AA			<u>14,026.52</u>	
MONTHLY COST DIFFERENCE			(139,102.98)	
EXTENDED MONTHLY COST DIFFERENCE			<u>(139,093.40)</u>	
ROUNDING			<u>9.58</u>	

