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Columbus, Ohio 43215
Direct: 614.460.5558
bwancheck@nisource.com



February 28, 2020

HAND DELIVERED

Kent A. Chandler
Executive Director
Kentucky Public Service Commission
211 Sower Blvd.
Frankfort, KY 40602-0605

RECEIVED

FEB 28 2020

PUBLIC SERVICE
COMMISSION

RE: **KY PSC Case No. 2017-00453**

Dear Mr. Chandler,

Please find enclosed the original and ten copies of Columbia Gas of Kentucky, Inc.'s Responses to Commission Staff's Second Rehearing Requests for Information in the above referenced matter. Please do not hesitate to contact me with any questions.

Sincerely,

Brooke E. Wancheck (gmc)

Brooke E. Wancheck
Assistant General Counsel

Enclosure(s)

FEB 28 2020

PUBLIC SERVICE
COMMISSION

KY PSC Case No. 2017-00453

Commission Staff's Information Request Set 2 No. 1

Respondent: Michael D. Anderson

COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020

1. Refer to Columbia Kentucky's response to Commission Staff's First Rehearing Request for Information (Staff's First Rehearing Request), Items 1(a) and 1(b). Columbia Kentucky states that its base contracts with Columbia Gas Transmission (TCO) were last negotiated in 2004, but that it is currently engaged in negotiations with TCO targeting a five-year extension of its contracts.

a. Explain in full detail why Columbia Kentucky did not renegotiate its base contracts with TCO since 2004.

b. Provide copies of the 2004 base contracts between Columbia Kentucky and TCO.

c. Explain in full detail what prompted Columbia Kentucky to enter into current negotiations with TCO if the base contracts had not been renegotiated since 2004.

d. Explain in full detail why Columbia Kentucky is targeting a five-year extension of its contracts.

e. If available, provide all modifications between the prior contracts that Columbia Kentucky and TCO entered in 2004 and the current negotiated contract.

f. Explain the target term of five years for the TCO contract in comparison to the length of the current base contract that was last negotiated in 2004.

g. Explain whether all NiSource affiliate contracts with TCO are negotiated together and at the same time. If not, explain the timing or cycle in which they are negotiated.

Response:

a. The 2004 negotiation of Columbia's contracts with TCO resulted in a contract term of 15 years, 5 months. The original contracts had termination dates on October 31, 2004 in the middle of the annual storage injection/withdrawal cycle thus, the contracts were extended 15 years, 5 months to coincide with the end of the annual storage injection/withdrawal cycle.

b. Please see Attachment Staff 2-1(b) which contains base agreements for SST contract Nos. 80160 and 81540, FSS contract no. 80171 and FTS contract no. 81527 plus discount letter agreements on SST contract Nos. 80160 and 81540.

c. The primary term of the contracts are set to expire on March 31, 2020. As part of its review of capacity requirements Columbia engaged in renewal discussions for capacity needed to serve its firm customer requirements.

- d. Columbia Kentucky is targeting 5 year extensions as this renewal period is more in line with current industry practices regarding LDC contract terms.
- e. Please see Attachment Staff 2-1-e(1) which contains amendments 1-4 to SST contract no. 80160; Attachment Staff 2-1-e(2) which contains amendments, 5 & 7 to SST contract no. 80160; and Attachment Staff 2-1-e(3) which contains amendment #1 to FSS contract no. 80171 and amendment #1 to SST contract no. 81540.
- f. The primary difference between Columbia's prior 15 year contract and its current 5 year plan is changes related to common LDC renewal practices.
- g. Not all NiSource affiliate contracts with TCO are negotiated together or at the same time. Columbia's LDC affiliates negotiate contracts with TCO individually and specifically to their individual needs and situations. While some renewal dates may coincide all are independently negotiated. Differences in contracting practices between NiSource affiliated LDCs relate to, among others, differing levels of access to diverse supplies, locations within the interstate pipeline network and differing regulatory constructs.

Appendix A to Service Agreement No. 80171
 Under Rate Schedule FSS
 Between Columbia Gas Transmission Corporation (Transporter)
 And Columbia Gas of Kentucky, Inc. (Shipper)
Storage Contract Quantity

Begin Date	End Date	Storage Contract Quantity (Dth)	Maximum Daily Storage Quantity Dth/Day
11/01/2008	03/31/2020	11,264,911	220,880

CANCELLATION OF PREVIOUS APPENDIX A

Yes No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 42 of the General Terms and Conditions of Transporter's FERC Gas Tariff.

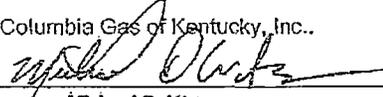
Yes No (Check applicable blank) Shipper has a contractual right of first refusal equivalent to the right of first refusal set forth from time to time in Section 4 of the General Terms and Conditions of Transporter's FERC Gas Tariff.

Service pursuant to this Appendix A, Revision No. 1 shall be effective from November 1, 2008 through March 31, 2020.

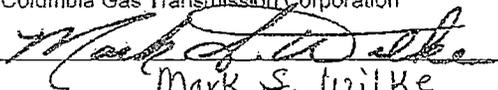
Yes No (Check applicable blank) This Appendix A, Revision No. 1 shall cancel and supersede the previous Appendix A, Revision No. 0 effective as of November 1, 2008, to the Service Agreement referenced above.

Yes No (Check applicable blank) This Service Agreement covers interim capacity sold pursuant to the provisions of General Terms and Conditions Section 4.2(j). Right of first refusal rights, if any, applicable to this interim capacity are limited as provided for in General Terms and Conditions Section 4.2(j).

With the exception of this Appendix A, Revision No. 1 all other terms and conditions of said Service Agreement shall remain in full force and effect.

Columbia Gas of Kentucky, Inc.
 By: 
 Name: Michael D. Watson
 Title: Vice President
 Date: 10-30-08
Energy Supply Serv.

APPROVED AS TO FORM JMC 10/30/08
 Columbia Gas Transmission Corporation

By: 
 Name: Mark S. Wilke
 Title: Director
 Date: 11/17/08

Service Agreement No. 81540

Revision No. 1

SST SERVICE AGREEMENT

THIS AGREEMENT is made and entered into this 1 day of Nov, 2013, by and between COLUMBIA GAS TRANSMISSION, LLC ("Transporter") and COLUMBIA GAS OF 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 service in accordance with the provisions of the effective SST Rate Schedule and applicable General Terms and Conditions of Transporter's FERC Gas Tariff, Fourth 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. The maximum obligation 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 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, 2013, and shall continue in full force and effect until March 31, 2020. Pre-granted abandonment shall apply 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 Transporter the charges and furnish 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); (f) production and/or reserves committed by the Shipper; and (g) based on a formula including, but not limited to, published index prices for specific receipt and/or delivery points or other agreed-upon pricing points, provided that the resulting rate shall be no lower than the minimum nor higher than the maximum applicable rate set forth in the Tariff. In addition, the discount agreement may include a provision that if one rate component which was at or below the applicable maximum rate at the time the discount agreement was executed subsequently exceeds the applicable maximum rate due to a change in Transporter's maximum rate so that such rate component must be adjusted downward to equal the new applicable maximum rate, then other rate components may be adjusted upward to achieve the agreed overall rate, so long as none of the resulting rate components exceed the maximum rate applicable to that rate component. Such changes to rate components shall be applied prospectively, commencing with the date a Commission order accepts revised tariff sections. However, nothing contained herein shall be construed to alter a refund obligation under applicable law for any period during which rates, which had been charged under a discount agreement, exceeded rates which ultimately are found to be just and reasonable.

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 Columbia Gas Of Kentucky, Inc, 200 Civic Center Drive, P. O. Box 117, Columbus, OH 43216 0117, Attention: Kent Koch, 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): SST No. 81540, Revision No. 0.

COLUMBIA GAS OF KENTUCKY, INC

By *Walter Baum*
Title *VP*
Date *11/6/13*

COLUMBIA GAS TRANSMISSION, LLC

By *Michelle S. Mae*
Title *VP Cust Svcs & Bus Integrate*
Date *11/1/13*

Revised by MAE 10/31/2013

Revision No. 1

Appendix A to Service Agreement No. 81540
Under Rate Schedule SST
between Columbia Gas Transmission, LLC ("Transporter")
and Columbia Gas Of Kentucky, Inc ("Shipper")

<u>Begin Date</u>	<u>End Date</u>	<u>Transportation Demand Dth/day</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	30,000	10/1 - 3/31
November 1, 2013	March 31, 2020	15,000	4/1 - 9/30

Primary Receipt Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Maximum Daily Quantity (Dth/day)</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	STOR	RP Storage Point TCO	30,000	10/1 - 3/31
November 1, 2013	March 31, 2020	STOR	RP Storage Point TCO	15,000	4/1 - 9/30

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure Obligation (psig) 1/</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	18-10	COL GAS OF KY 06-10	829541	LAKE CARNICO	30,000			10/1 - 3/31
November 1, 2013	March 31, 2020	18-10	COL GAS OF KY 06-10	829541	LAKE CARNICO	15,000			4/1 - 9/30

1/

Application of MDDOs, DDQs and ADQs, minimum pressure and/or hourly flowrate shall be as follows:

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

Yes No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 42 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) The MDDOs, ADQs, and/or DDQs set forth in Appendix A to Shipper's _____ Service Agreement No. _____ are incorporated herein by reference.

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.

Yes No (Check applicable blank) This Service Agreement covers offsystem capacity sold pursuant to Section 47 of the General Terms and Conditions. Right of first refusal rights, if any, applicable to this offsystem capacity are limited as provided for in General Terms and Conditions Section 47.

COLUMBIA GAS OF KENTUCKY, INC

By

Heather Burns

Title

VP

Date

11/1/13

Reviewed by PMR 10/31/2013

COLUMBIA GAS TRANSMISSION, LLC

By

Michelle S. Moran

Title

VP Customer Svcs & Bus. Integration

Date

11-1-13

Appendix A to Service Agreement No. 80160
 Under Rate Schedule SST
 Between (Transporter) Columbia Gas Transmission, LLC
 and (Shipper) Columbia Gas Of Kentucky, Inc

Revision No. 4

Transportation Demand

Begin Date	End Date	Transportation Demand Dth/day	Recurrence Interval
February 1, 2010	March 31, 2010	190,880	10/1 - 3/31
April 1, 2010	September 30, 2010	95,440	4/1 - 9/30
October 1, 2010	March 31, 2011	190,880	10/1 - 3/31
April 1, 2011	September 30, 2011	95,440	4/1 - 9/30
October 1, 2011	March 31, 2012	190,880	10/1 - 3/31
April 1, 2012	September 30, 2012	95,440	4/1 - 9/30
October 1, 2012	March 31, 2013	190,880	10/1 - 3/31
April 1, 2013	September 30, 2013	95,440	4/1 - 9/30
October 1, 2013	March 31, 2014	190,880	10/1 - 3/31
April 1, 2014	September 30, 2014	95,440	4/1 - 9/30
October 1, 2014	March 31, 2015	190,880	10/1 - 3/31
April 1, 2015	September 30, 2015	95,440	4/1 - 9/30
October 1, 2015	March 31, 2016	190,880	10/1 - 3/31
April 1, 2016	September 30, 2016	95,440	4/1 - 9/30
October 1, 2016	March 31, 2017	190,880	10/1 - 3/31
April 1, 2017	September 30, 2017	95,440	4/1 - 9/30
October 1, 2017	March 31, 2018	190,880	10/1 - 3/31
April 1, 2018	September 30, 2018	95,440	4/1 - 9/30
October 1, 2018	March 31, 2019	190,880	10/1 - 3/31
April 1, 2019	September 30, 2019	95,440	4/1 - 9/30
October 1, 2019	March 31, 2020	190,880	10/1 - 3/31

Appendix A to Service Agreement No. 80160
 Under Rate Schedule SST
 Between (Transporter) Columbia Gas Transmission, LLC
 and (Shipper) Columbia Gas Of Kentucky, Inc

Revision No. 4

Primary Receipt Points

Begin Date	End Date	Scheduling Point No.	Scheduling Point Name	Maximum Daily Quantity (Dth/Day) 1/	Recurrence Interval
February 1, 2010	March 31, 2010	STOR	RP Storage Point TCO	190,880	10/1 - 3/31
April 1, 2010	September 30, 2010	STOR	RP Storage Point TCO	95,440	4/1 - 9/30
October 1, 2010	March 31, 2011	STOR	RP Storage Point TCO	190,880	10/1 - 3/31
April 1, 2011	September 30, 2011	STOR	RP Storage Point TCO	95,440	4/1 - 9/30
October 1, 2011	March 31, 2012	STOR	RP Storage Point TCO	190,880	10/1 - 3/31
April 1, 2012	September 30, 2012	STOR	RP Storage Point TCO	95,440	4/1 - 9/30
October 1, 2012	March 31, 2013	STOR	RP Storage Point TCO	190,880	10/1 - 3/31
April 1, 2013	September 30, 2013	STOR	RP Storage Point TCO	95,440	4/1 - 9/30
October 1, 2013	March 31, 2014	STOR	RP Storage Point TCO	190,880	10/1 - 3/31
April 1, 2014	September 30, 2014	STOR	RP Storage Point TCO	95,440	4/1 - 9/30
October 1, 2014	March 31, 2015	STOR	RP Storage Point TCO	190,880	10/1 - 3/31
April 1, 2015	September 30, 2015	STOR	RP Storage Point TCO	95,440	4/1 - 9/30
October 1, 2015	March 31, 2016	STOR	RP Storage Point TCO	190,880	10/1 - 3/31
April 1, 2016	September 30, 2016	STOR	RP Storage Point TCO	95,440	4/1 - 9/30
October 1, 2016	March 31, 2017	STOR	RP Storage Point TCO	190,880	10/1 - 3/31
April 1, 2017	September 30, 2017	STOR	RP Storage Point TCO	95,440	4/1 - 9/30
October 1, 2017	March 31, 2018	STOR	RP Storage Point TCO	190,880	10/1 - 3/31
April 1, 2018	September 30, 2018	STOR	RP Storage Point TCO	95,440	4/1 - 9/30
October 1, 2018	March 31, 2019	STOR	RP Storage Point TCO	190,880	10/1 - 3/31
April 1, 2019	September 30, 2019	STOR	RP Storage Point TCO	95,440	4/1 - 9/30
October 1, 2019	March 31, 2020	STOR	RP Storage Point TCO	190,880	10/1 - 3/31

Appendix A to Service Agreement No. 80180

Revision No. 4

Under Rate Schedule SST

Between (Transporter) Columbia Gas Transmission, LLC

and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Begin Date	End Date	Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/Day) 1/	Design Daily Quantity (Dth/Day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Recurrence Interval
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	400137	CKY PAY GAS CONSU	142	142			10/1 - 3/31
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-16	400137	CKY PAY GAS CONSU	71	71			4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	400143	CKY PAY GAS CONSU	134	134			10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	400143	CKY PAY GAS CONSU	67	67			4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	400147	CKY PAY GAS CONSU	83	83			10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	400147	CKY PAY GAS CONSU	42	42			4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	801584	ASHLAND OIL REF.	15,073	1,043		200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	801584	ASHLAND OIL REF.	7,537	522		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	803264	FULLERTON DP	1,071	883		100	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	803264	FULLERTON DP	536	444		100	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	803423	FLATWOODS	274	274		200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	803423	FLATWOODS	137	137		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	803759	DUPONT	335			200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	803759	DUPONT	168			200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	803773	CKY ASHLAND 8TH ST	7,726	4,666		50	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	803773	CKY ASHLAND 8TH ST	3,893	2,333		50	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	803848	MARIQWEST HYDROCA	769	49		160	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	803848	MARIQWEST HYDROCA	394	25		160	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804193	CALGON	3,143	1,627		50	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804193	CALGON	1,572	814		50	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804313	WURTLAND D.P. (EM)	3,719	2,719		200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804313	WURTLAND D.P. (EM)	1,860	1,360		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804319	WESTWOOD	1,615	1,615		200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804319	WESTWOOD	808	808		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804324	ASH-BUCKLY RD.	465	257		50	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804324	ASH-BUCKLY RD.	243	120		50	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804329	GREENUP-UPPER RIG	77	30		200	10/1 - 3/31

Appendix A to Service Agreement No.

80160

Revision No. 4

Under Rate Schedule

SST

Between (Transporter)

Columbia Gas Transmission, LLC

and (Shipper)

Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Begin Date	End Date	Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/Day) 1/	Design Daily Quantity (Dth/Day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Recurrence Interval
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804329	GREENUP-UPPER RIG	39	15		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804345	GREENUP-LOWER RIG	251	198		200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804345	GREENUP-LOWER RIG	126	89		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804373	GREENUP-UPPER RIG	71	71		200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804373	GREENUP-UPPER RIG	36	36		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804374	GREENUP-CENTER RI	62	62		200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804374	GREENUP-CENTER RI	31	31		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804375	FLATWOODS	139	133		200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804375	FLATWOODS	70	67		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804379	RACELAND-POPLAR H	83	39		200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804379	RACELAND-POPLAR H	42	20		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804423	GREENUP CENTER	145	103		200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804423	GREENUP CENTER	73	52		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804711	ASH-FRIENDSHIP RD.	777	405		50	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804711	ASH-FRIENDSHIP RD.	389	203		80	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804949	INTERNATIONAL NICK	2,020	272		50	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	804849	INTERNATIONAL NICK	1,010	136		50	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	805174	CANNONSBURG	343	343		40	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	805174	CANNONSBURG	172	172		40	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	805609	SUMMIT CITY	354	335		50	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	805609	SUMMIT CITY	177	168		50	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	805633	BELHAVEN	212	212		200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	805633	BELHAVEN	106	106		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	805676	HILLCREST APTS.	137	57		50	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	805676	HILLCREST APTS.	69	29		50	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	805815	BRUCE APTS.	36	34		50	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	805815	BRUCE APTS.	18	17		50	4/1 - 9/30

Appendix A to Service Agreement No.

80160

Revision No. 4

Under Rate Schedule

SST

Between (Transporter)

Columbia Gas Transmission, LLC

and (Shipper)

Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Begin Date	End Date	Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/Day) 1/	Design Daily Quantity (Dth/Day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Recurrence Interval
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	814791	AMETEK CORP.	37	16		200	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	814791	AMETEK CORP.	19	8		200	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	838145	Marathon Line U	2,000			260	10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	838145	Marathon Line U	1,000			260	4/1 - 9/30
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	846041	BIG SANDY ASPHALT	0				10/1 - 3/31
February 1, 2010	March 31, 2020	17-15	COL GAS OF KY 03-15	846041	BIG SANDY ASPHALT	0				4/1 - 9/30
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	400139	CKY PAY GAS CONSU	159	159			10/1 - 3/31
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	400139	CKY PAY GAS CONSU	80	80			4/1 - 9/30
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	400161	CKY PAY GAS CONSU	43	43			10/1 - 3/31
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	400161	CKY PAY GAS CONSU	22	22			4/1 - 9/30
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	803769	LOUISA POD	699	699			10/1 - 3/31
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	803769	LOUISA POD	350	350			4/1 - 9/30
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	803770	LOUISA	113	112			10/1 - 3/31
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	803770	LOUISA	57	56			4/1 - 9/30
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	803775	LOUISA POD	1,171	1,000			10/1 - 3/31
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	803775	LOUISA POD	586	500			4/1 - 9/30
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	805782	LANCER	237	237			10/1 - 3/31
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	805782	LANCER	119	119			4/1 - 9/30
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	804517	BRANDY KEG CK.	21	12			10/1 - 3/31
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	804517	BRANDY KEG CK.	11	6			4/1 - 9/30
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	804767	MARTIN GAS CO.	47	32			10/1 - 3/31
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	804767	MARTIN GAS CO.	24	16			4/1 - 9/30
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	804954	MIKE LITTLE GAS CO.	132	122		50	10/1 - 3/31
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	804954	MIKE LITTLE GAS CO.	66	61		50	4/1 - 9/30
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	805682	AMERICAN STANDARD	213	68			10/1 - 3/31
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	806682	AMERICAN STANDARD	107	34			4/1 - 9/30
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	820005	EAST KENTUCKY PAVI	796				10/1 - 3/31

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Between (Transporter) Columbia Gas Transmission, LLC

and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Begin Date	End Date	Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/Day) 1/	Design Daily Quantity (Dth/Day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Recurrence Interval
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	820005	EAST KENTUCKY PAVI	398				4/1 - 9/30
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	823288	SOUTH WILLIAMSON D	843	519			10/1 - 3/31
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	823289	SOUTH WILLIAMSON D	322	268			4/1 - 9/30
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	828873	Marlin Housing Authority	36	33			10/1 - 3/31
February 1, 2010	March 31, 2020	17-16	COL GAS OF KY 03-16	828873	Marlin Housing Authority	18	17			4/1 - 9/30
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	400149	CKY PAY GAS CONSU	216	216			10/1 - 3/31
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	400149	CKY PAY GAS CONSU	108	108			4/1 - 9/30
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	400153	CKY PAY GAS CONSU	66	66			10/1 - 3/31
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	400153	CKY PAY GAS CONSU	33	33			4/1 - 9/30
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	400165	CKY PAY GAS CONSU	24	24			10/1 - 3/31
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	400165	CKY PAY GAS CONSU	12	12			4/1 - 9/30
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	400431	CKY PAY GAS CONSU	0				10/1 - 3/31
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	400431	CKY PAY GAS CONSU	0				4/1 - 9/30
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	603771	HAROLD-LAYNESVILLE	112	112			10/1 - 3/31
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	603771	HAROLD-LAYNESVILLE	56	56			4/1 - 9/30
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	603772	HAROLD-LAYNESVILLE	493	493			10/1 - 3/31
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	603772	HAROLD-LAYNESVILLE	247	247			4/1 - 9/30
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	604127	CANEY CK. COMMUNIT	132	131			10/1 - 3/31
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	604127	CANEY CK. COMMUNIT	66	66			4/1 - 9/30
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	604779	KNOTT CO. BD. OF ED	29	29			10/1 - 3/31
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	604779	KNOTT CO. BD. OF ED	15	15			4/1 - 9/30
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	805686	PIPPA PASSES	12	11			10/1 - 3/31
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	805686	PIPPA PASSES	6	6			4/1 - 9/30
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	814837	ALICE LLOYD COLLEG	54	45			10/1 - 3/31
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	814837	ALICE LLOYD COLLEG	27	23			4/1 - 9/30
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	817722	GREEN MEADOWS D.P	70	70			10/1 - 3/31
February 1, 2010	March 31, 2020	17-18	COL GAS OF KY 03-18	817722	GREEN MEADOWS D.P	35	35			4/1 - 9/30

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Columbia Gas Transmission, LLC

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Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Begin Date	End Date	Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/Day) 1/	Design Daily Quantity (Dth/Day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Recurrence Interval
February 1, 2010	March 31, 2020	18-10	COL GAS OF KY 08-10	400157	CKY PAY GAS CONSU	453	453			10/1 - 3/31
February 1, 2010	March 31, 2020	18-10	COL GAS OF KY 08-10	400157	CKY PAY GAS CONSU	227	227			4/1 - 9/30
February 1, 2010	March 31, 2020	18-10	COL GAS OF KY 08-10	803570	WALLOW TOOL & DIE	30	18		50	10/1 - 3/31
February 1, 2010	March 31, 2020	18-10	COL GAS OF KY 08-10	803570	WALLOW TOOL & DIE	15	9		50	4/1 - 9/30
February 1, 2010	March 31, 2020	18-10	COL GAS OF KY 08-10	803618	FOSTER D P	58	58		50	10/1 - 3/31
February 1, 2010	March 31, 2020	18-10	COL GAS OF KY 08-10	803618	FOSTER D P	29	29		50	4/1 - 9/30
February 1, 2010	March 31, 2020	18-10	COL GAS OF KY 08-10	805258	CKY-STEPSTONE	3,511	3,000		200	10/1 - 3/31
February 1, 2010	March 31, 2020	18-10	COL GAS OF KY 08-10	805258	CKY-STEPSTONE	1,756	1,500		200	4/1 - 9/30
February 1, 2010	March 31, 2020	18-10	COL GAS OF KY 08-10	828541	LAKE CARNICO	40,128	24,979		500	10/1 - 3/31
February 1, 2010	March 31, 2020	18-10	COL GAS OF KY 08-10	828541	LAKE CARNICO	20,065	12,490		500	4/1 - 9/30
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	803523	MAYSVILLE D.P.	6,483	6,000		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	803523	MAYSVILLE D.P.	3,242	3,000		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	803585	WASHINGTON - HIGHLA	89	89		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	803585	WASHINGTON - HIGHLA	45	45		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	804451	WASHINGTON - MAIN T	1,790	1,700		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	804451	WASHINGTON - MAIN T	850	850		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	804940	MAYSVILLE EAST TAP	53	51		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	804940	MAYSVILLE EAST TAP	27	26		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	805158	GERMANTOWN	276	275		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	805158	GERMANTOWN	138	138		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	834118	MAYSVILLE MATERIAL	825			150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	834119	MAYSVILLE MATERIAL	413			150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	834288	MAYSVILLE INDUSTRIA	400	200		200	10/1 - 3/31
February 1, 2010	March 31, 2020	18-11	COL GAS OF KY 08-11	834288	MAYSVILLE INDUSTRIA	200	100		200	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	400169	CKY PAY GAS CONSU	110	110			10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	400169	CKY PAY GAS CONSU	55	55			4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	400173	CKY PAY GAS CONSU	573	573			10/1 - 3/31

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Primary Delivery Points

Begin Date	End Date	Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/Day) 1/	Design Daily Quantity (Dth/Day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Recurrence Interval
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	480173	CKY PAY GAS CONSU	287	287			4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	603537	PHILIPS LIGHTING CO	197	179		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	603537	PHILIPS LIGHTING CO	98	90		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	603599	MT. STERLING D.P.	4,208	4,200		400	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	603599	MT. STERLING D.P.	2,104	2,100		400	4/1 - 9/30
February 1, 2010	March 31, 2020	10-12	COL GAS OF KY 05-12	603600	CKY WINCHESTER	7,251	6,823		200	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	603600	CKY WINCHESTER	3,626	3,412		200	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	603602	PARIS CYNTHIANA	12,008	6,970		275	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	603602	PARIS CYNTHIANA	6,004	3,485		275	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 05-12	604399	BYBEE POTTERY	27	14		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 05-12	604399	BYBEE POTTERY	14	7		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 05-12	605233	CIRCUIT COURT	1,089	984		200	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 05-12	605233	CIRCUIT COURT	525	492		200	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	605460	WINCHESTER RT. 89	5,739	4,371		200	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	605480	WINCHESTER RT. 89	2,870	2,186		200	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	605544	WACO-BYBEE	0	261		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	605544	WACO-BYBEE	0	131		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	605549	AVON-CLINTONVILLE	407	407		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	605549	AVON-CLINTONVILLE	204	204		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	605776	ATHENS	132	121		250	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	605776	ATHENS	66	66		250	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	605968	YEISER, INC...	62	60		200	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	605968	YEISER, INC...	31	30		200	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	817712	HILLCREST SUBDIVISI	136	136		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	817712	HILLCREST SUBDIVISI	63	63		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	817714	YORKTOWN MOBILE H	53	51		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 06-12	817714	YORKTOWN MOBILE H	27	26		150	4/1 - 9/30

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Begin Date	End Date	Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/Day) 1/	Design Daily Quantity (Dth/Day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Recurrence Interval
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	817715	KERRS MOBILE HOME	24	24		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	817716	KERRS MOBILE HOME	12	12		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	817718	WAYLAND AVE. D.P.	46	46		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	817716	WAYLAND AVE. D.P.	23	23		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	817717	JUDIANA & ROCKWELL	210	127		200	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	817717	JUDIANA & ROCKWELL	105	84		200	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	817718	BODNE VILLAGE	72	72		250	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	817718	BOONE VILLAGE	36	36		250	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	817719	COUNTRY CLUB HTS.	47	47		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	817719	COUNTRY CLUB HTS.	24	24		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	817721	UNION CITY D.P.	54	54		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	817721	UNION CITY D.P.	27	27		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	820375	LEXINGTON	67,255	83,913		250	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	820375	LEXINGTON	43,028	41,057		250	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	823283	WINCHESTER FARMS	2,000	1,300		200	10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	823283	WINCHESTER FARMS	1,000	850		200	4/1 - 9/30
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	832885	SOUTHERN HILLS SUB	0				10/1 - 3/31
February 1, 2010	March 31, 2020	18-12	COL GAS OF KY 08-12	832885	SOUTHERN HILLS SUB	0				4/1 - 9/30
February 1, 2010	March 31, 2020	18-13	COL GAS OF KY 08-13	400165	CKY PAY GAS CONSU	21	21			10/1 - 3/31
February 1, 2010	March 31, 2020	18-13	COL GAS OF KY 08-13	400165	CKY PAY GAS CONSU	11	11			4/1 - 9/30
February 1, 2010	March 31, 2020	18-13	COL GAS OF KY 08-13	400167	CKY PAY GAS CONSU	50	50			10/1 - 3/31
February 1, 2010	March 31, 2020	18-13	COL GAS OF KY 08-13	400167	CKY PAY GAS CONSU	25	25			4/1 - 9/30
February 1, 2010	March 31, 2020	18-13	COL GAS OF KY 08-13	804301	CKY-IRVINE	3,453	3,453		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-13	COL GAS OF KY 08-13	804301	CKY-IRVINE	1,727	1,727		150	4/1 - 9/30
February 1, 2010	March 31, 2020	18-13	COL GAS OF KY 08-13	817720	WINSTON D.P. LINE	80	80		150	10/1 - 3/31
February 1, 2010	March 31, 2020	18-13	COL GAS OF KY 08-13	817720	WINSTON D.P. LINE	45	45		150	4/1 - 9/30
February 1, 2010	March 31, 2020	805095	LEXINGTON MUTH	808095	LEXINGTON MUTH	79,547	65,846		250	10/1 - 3/31

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February 1, 2010	March 31, 2020	805095	LEXINGTON MUTH	805095	LEXINGTON MUTH	39,774	32,923		200	4/1 - 8/30

1/ Application of MDDOs, DDQs and ADQs and/or minimum pressure and/or hourly flowrate shall be as follows:

COMMENT CODE: FN01 [POINTS: 829541 ,829541] During the months of November through March, a minimum pressure of 750 psig shall apply at MS 829541 (Lake Carnico) whenever the forecasted low temperature used by Transporter's Gas Control department for the Lexington, Ky area is 20 degrees F or lower. Regardless of the forecasted temperature, if the actual temperature in the Lexington area should fall below 20 degrees, Transporter will provide, to the extent operationally feasible, a minimum pressure of 750 psig at MS 829541. At forecasted low temperatures above 20 degrees F, a minimum pressure of 600 psig shall apply at MS 829541.

COMMENT CODE: FN01 [POINTS: 829541 ,829541] THE MAXIMUM PRESSURE OBLIGATION AT STATION 829541 DURING THE MONTHS OF APRIL THROUGH OCTOBER SHALL BE 500 PSIG.

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 and (Shipper) Columbia Gas Of Kentucky, Inc

Revision No. 4

COMMENT CODE: GFN1 UNLESS STATION SPECIFIC MDDOS ARE SPECIFIED IN A SEPARATE FIRM SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER; TRANSPORTER'S AGGREGATE MAXIMUM DAILY DELIVERY OBLIGATION, UNDER THIS AND ANY OTHER SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER, AT THE STATIONS LISTED ABOVE SHALL NOT EXCEED THE MDDO QUANTITIES SET FORTH ABOVE FOR EACH STATION. IN ADDITION, TRANSPORTER SHALL NOT BE OBLIGATED ON ANY DAY TO DELIVER MORE THAN THE AGGREGATE DAILY QUANTITY (ADQ) LISTED BELOW FOR EACH SPECIFIED MARKET AREA. THE MARKET AREA IN WHICH EACH STATION IS LOCATED IS POSTED ON TRANSPORTER'S EBB AND INCORPORATED HEREIN BY REFERENCE. ANY STATION SPECIFIC MDDOS IN A SEPARATE FIRM SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER SHALL BE ADDITIVE BOTH TO THE INDIVIDUAL STATION MDDOS SET FORTH HEREIN (AND TO THE DESIGN DAILY QUANTITIES (DDQ) SET FORTH ABOVE), AND TO ANY APPLICABLE ADQ SET FORTH BELOW.

MARKET AREA	MARKET AREA NAME	AGGREGATE DAILY QUANTITY
10	CINCINNATI	28,508 DTH/D
11	ABERDEEN	8,115 DTH/D
12	LEXINGTON	168,508 DTH/D
13	MANCHESTER	3,613 DTH/D
10-13	MARKET AREAS 10 THRU 13	174,881 DTH/D
15	PORTSMOUTH	15,665 DTH/D
16	LANCER	3,178 DTH/D
18	KENTUCKY MISCELLANEOUS	1,197 DTH/D
15-18	MARKET AREAS 15, 16, AND 18	16,019 DTH/D

SHIPPER HAS AGREED TO A 5,150 DTH/D REDUCTION IN MDDO AND DESIGN DAILY QUANTITY (DDQ) AT MS 829541 IN ORDER TO ENABLE FIRM TRANSPORTATION BY TRANSPORTER OF 5,150 DTH/D TO TOYOTA MOTOR MANUFACTURING USA. QUANTITIES SHOWN IN THIS AGREEMENT REFLECT THESE REDUCTIONS. UPON THE TERMINATION OF FTS AGREEMENT #79400 BETWEEN TRANSPORTER AND TOYOTA MOTOR MANUFACTURING USA, 5,150 DTH/D WILL BE RESTORED TO THE MDDO AND DDQ DISCUSSED IN THIS FOOTNOTE. SHIPPER HAS AGREED TO A 1,030 DTH/D REDUCTION IN MDDO AND DESIGN DAILY QUANTITY (DDQ) AT MS 803602 IN ORDER TO ENABLE FIRM TRANSPORTATION BY TRANSPORTER OF 1,030 DTH/D TO MINNESOTA MINING AND MANUFACTURING. QUANTITIES SHOWN IN THIS AGREEMENT REFLECT THESE REDUCTIONS. UPON THE TERMINATION OF FTS AGREEMENT #81282 BETWEEN TRANSPORTER AND MINNESOTA MINING AND MANUFACTURING, 1,030 DTH/D WILL BE RESTORED TO THE MDDO AND DDQ DISCUSSED IN THIS FOOTNOTE.

Appendix A to Service Agreement No. 80180
Under Rate Schedule SST
Between Columbia Gas Transmission, LLC (Transporter)
And Columbia Gas Of Kentucky, Inc (Shipper)

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 receipt and delivery points.

Yes No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 42 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.

Service pursuant to this Appendix A, Revision No. 4 shall be effective from February 1, 2010 through March 31, 2020.

Yes No (Check applicable blank) This Appendix A, Revision No. 4 shall cancel and supersede the previous Appendix A, Revision No. 3, effective as of November 1, 2004, to the Service Agreement referenced above.

Yes No (Check applicable blank) All gas shall be delivered at existing points of interconnection within the MDDOs, and/or ADCs, and/or DDGs, as applicable, set forth in Transporter's currently effective Rate Schedule _____ Appendix A with Shipper, which for such points set forth are incorporated herein by reference.

Yes No (Check applicable blank) This Service Agreement covers interim capacity sold pursuant to the provisions of General Terms and Conditions Section 4.2(j). Right of first refusal rights, if any, applicable to this interim capacity are limited as provided for in General Terms and Conditions Section 4.2(j).

With the exception of this Appendix A, Revision No. 4, all other terms and conditions of said Service Agreement shall remain in full force and effect.

Columbia Gas Of Kentucky, Inc
By: *Michael D. Watson*
Name: _____
Title: Michael D. Watson
Vice President
Supply Development
Date: 1-13-10

All about us to sign per 1/15/10
Columbia Gas Transmission, LLC
By: *Mark S. Wilke*
Name: _____
Title: Mark S. Wilke
Date: _____
Director, Commercial Services

JAN 13 2010

Service Agreement No. 80160

Revision No. 5

SST SERVICE AGREEMENT

THIS AGREEMENT is made and entered into this 1 day of Nov, 2013, by and between COLUMBIA GAS TRANSMISSION, LLC ("Transporter") and COLUMBIA GAS OF 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 service in accordance with the provisions of the effective SST Rate Schedule and applicable General Terms and Conditions of Transporter's FERC Gas Tariff, Fourth 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. The maximum obligation 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 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, 2013, and shall continue in full force and effect until March 31, 2020. Pre-granted abandonment shall apply 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 Transporter the charges and furnish 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); (f) production and/or reserves committed by the Shipper; and (g) based on a formula including, but not limited to, published index prices for specific receipt and/or delivery points or other agreed-upon pricing points, provided that the resulting rate shall be no lower than the minimum nor higher than the maximum applicable rate set forth in the Tariff. In addition, the discount agreement may include a provision that if one rate component which was at or below the applicable maximum rate at the time the discount agreement was executed subsequently exceeds the applicable maximum rate due to a change in Transporter's maximum rate so that such rate component must be adjusted downward to equal the new applicable maximum rate, then other rate components may be adjusted upward to achieve the agreed overall rate, so long as none of the resulting rate components exceed the maximum rate applicable to that rate component. Such changes to rate components shall be applied prospectively, commencing with the date a Commission order accepts revised tariff sections. However, nothing contained herein shall be construed to alter a refund obligation under applicable law for any period during which rates, which had been charged under a discount agreement, exceeded rates which ultimately are found to be just and reasonable.

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 Columbia Gas Of Kentucky, Inc, 200 Civic Center Drive, P. O. Box 117, Columbus, OH 43216 0117, Attention: Thomas Heckathorn, 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): SST No. 80160, Revision No. 4.

COLUMBIA GAS OF KENTUCKY, INC

By Heather Bann
Title VP
Date 11/1/13

Reviewed by DMK 10/31/2013

COLUMBIA GAS TRANSMISSION, LLC

By Millie S. Mora
Title VP Cust Svcs & Bus Integration
Date 11-1-13

Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
between Columbia Gas Transmission, LLC ("Transporter")
and Columbia Gas Of Kentucky, Inc ("Shipper")

Transportation Demand

<u>Begin Date</u>	<u>End Date</u>	<u>Transportation Demand Dth/day</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	190,880	10/1 - 3/31
November 1, 2013	March 31, 2020	95,440	4/1 - 9/30

Primary Receipt Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Maximum Daily Quantity (Dth/day)</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	STOR	RP Storage Point TCO	190,880	10/1 - 3/31
November 1, 2013	March 31, 2020	STOR	RP Storage Point TCO	95,440	4/1 - 9/30

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure Obligation (psig) 1/</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	400137	CKY PAY GAS CONS	142	142		10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	400143	CKY PAY GAS CONS	134	134		10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	400147	CKY PAY GAS CONS	83	83		10/1 - 3/31

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure Obligation (psig) 1/</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	801584	ASHLAND OIL REF.	15,073	1,043	200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	803264	FULLERTON DP	1,071	888	100	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	803423	FLATWOODS	274	274	200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	803759	DUPONT	335		200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	803773	CKY ASHLAND 8TH S	7,726	4,666	50	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	803848	MARKWEST HYDRO	788	49	100	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804193	CALGON	3,143	1,627	50	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804313	WURLAND D.P. (EM)	3,719	2,719	200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804319	WESTWOOD	1,615	1,615	200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804324	ASH.-BUCKLY RD.	485	257	50	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804329	GREENUP-UPPER RI	77	30	200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804345	GREENUP-LOWER RI	251	198	200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804373	GREENUP-UPPER RI	71	71	200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804374	GREENUP-CENTER	62	62	200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804375	FLATWOODS	139	133	200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804379	RACELAND-POPLAR	83	39	200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804423	GREENUP CENTER	145	103	200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804711	ASH-FRIENDSHIP RD	777	405	50	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804949	INTERNATIONAL NIC	2,020	272	50	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	805174	CANNONSBURG	343	343	40	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	805609	SUMMIT CITY	354	335	50	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	805633	BELHAVEN	212	212	200	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	805676	HILLCREST APTS.	137	57	50	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	805815	BRUCE APTS.	36	34	50	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	814791	AMETEK CORP.	37	16	200	10/1 - 3/31

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure Obligation (psig) 1/</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	838145	Marathon Line U	2,000		260	10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	846041	BIG SANDY ASPHALT	0			10/1 - 3/31
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	400137	CKY PAY GAS CONS	71	71		4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	400143	CKY PAY GAS CONS	67	67		4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	400147	CKY PAY GAS CONS	42	42		4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	801584	ASHLAND OIL REF.	7,537	522	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	803264	FULLERTON DP	536	444	100	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	803423	FLATWOODS	137	137	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	803759	DUPONT	168		200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	803773	CKY ASHLAND 8TH S	3,863	2,333	50	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	803848	MARKWEST HYDRO	394	25	100	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804193	CALGON	1,572	814	50	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804313	WURTLAND D.P. (EM)	1,860	1,360	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804319	WESTWOOD	808	808	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804324	ASH.-BUCKLY RD.	243	129	50	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804329	GREENUP-UPPER RI	39	15	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804345	GREENUP-LOWER RI	126	99	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804373	GREENUP-UPPER RI	36	36	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804374	GREENUP-CENTER	31	31	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804375	FLATWOODS	70	67	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804379	RACELAND-POPLAR	42	20	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804423	GREENUP CENTER	73	52	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804711	ASH-FRIENDSHIP RD	389	203	50	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	804949	INTERNATIONAL NIC	1,010	136	50	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	805174	CANNONSBURG	172	172	40	4/1 - 9/30

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure Obligation (psig) 1/</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	805609	SUMMIT CITY	177	168	50	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	805633	BELHAVEN	106	106	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	805676	HILLCREST APTS.	69	29	50	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	805815	BRUCE APTS.	18	17	50	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	814791	AMETEK CORP.	19	8	200	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	838145	Marathon Line U	1,000		260	4/1 - 9/30
November 1, 2013	March 31, 2020	17-15	COL GAS OF KY 03-15	846041	BIG SANDY ASPHALT	0			4/1 - 9/30
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	400139	CKY PAY GAS CONS	159	159		10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	400151	CKY PAY GAS CONS	43	43		10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	803769	LOUISA POD	699	699		10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	803770	LOUISA	113	112		10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	803775	LOUISA POD	1,171	1,000		10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	803782	LANCER	237	237		10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	804517	BRANDY KEG CK.	21	12		10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	804767	MARTIN GAS.CO.	47	32		10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	804954	MIKE LITTLE GAS CO	132	122	50	10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	805682	AMERICAN STANDAR	213	68		10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	820905	EAST KENTUCKY PA	796			10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	823289	SOUTH WILLIAMSON	643	519		10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	823673	Martin Housing Authori	36	33		10/1 - 3/31
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	400139	CKY PAY GAS CONS	80	80		4/1 - 9/30
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	400151	CKY PAY GAS CONS	22	22		4/1 - 9/30
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	803769	LOUISA POD	350	350		4/1 - 9/30
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	803770	LOUISA	57	56		4/1 - 9/30
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	803775	LOUISA POD	586	500		4/1 - 9/30

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure (psig) 1/</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	803782	LANCER	119	119		4/1 - 9/30
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	804517	BRANDY KEG CK.	11	6		4/1 - 9/30
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	804767	MARTIN GAS CO.	24	16		4/1 - 9/30
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	804954	MIKE LITTLE GAS CO	66	61	50	4/1 - 9/30
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	805682	AMERICAN STANDAR	107	34		4/1 - 9/30
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	820005	EAST KENTUCKY PA	398			4/1 - 9/30
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	823289	SOUTH WILLIAMSON	322	260		4/1 - 9/30
November 1, 2013	March 31, 2020	17-16	COL GAS OF KY 03-16	828673	Martin Housing Authori	18	17		4/1 - 9/30
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	400149	CKY PAY GAS CONS	216	216		10/1 - 3/31
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	400153	CKY PAY GAS CONS	66	66		10/1 - 3/31
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	400155	CKY PAY GAS CONS	24	24		10/1 - 3/31
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	400431	CKY PAY GAS CONS	0			10/1 - 3/31
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	803771	HAROLD-LAYNESVIL	112	112		10/1 - 3/31
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	803772	HAROLD-LAYNESVIL	493	493		10/1 - 3/31
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	804127	CANEY CK. COMMUN	132	131		10/1 - 3/31
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	804779	KNOTT CO. BD. OF E	29	29		10/1 - 3/31
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	805686	PIPPA PASSES	12	11		10/1 - 3/31
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	814637	ALICE LLOYD COLLE	54	45		10/1 - 3/31
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	817722	GREEN MEADOWS D	70	70		10/1 - 3/31
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	400149	CKY PAY GAS CONS	108	108		4/1 - 9/30
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	400153	CKY PAY GAS CONS	33	33		4/1 - 9/30
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	400155	CKY PAY GAS CONS	12	12		4/1 - 9/30
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	400431	CKY PAY GAS CONS	0			4/1 - 9/30
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	803771	HAROLD-LAYNESVIL	56	56		4/1 - 9/30
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	803772	HAROLD-LAYNESVIL	247	247		4/1 - 9/30

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure Obligation (psig) 1/</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	804127	CANEY CK. COMMUN	66	66		4/1 - 9/30
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	804779	KNOTT CO. BD. OF E	15	15		4/1 - 9/30
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	805686	PIPPA PASSES	6	6		4/1 - 9/30
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	814637	ALICE LLOYD COLLE	27	23		4/1 - 9/30
November 1, 2013	March 31, 2020	17-18	COL GAS OF KY 03-18	817722	GREEN MEADOWS D	35	35		4/1 - 9/30
November 1, 2013	March 31, 2020	18-10	COL GAS OF KY 06-10	400157	CKY PAY GAS CONS	453	453		10/1 - 3/31
November 1, 2013	March 31, 2020	18-10	COL GAS OF KY 06-10	803570	WALLOW TOOL & DIE	30	18	50	10/1 - 3/31
November 1, 2013	March 31, 2020	18-10	COL GAS OF KY 06-10	803618	FOSTER D P	58	58	50	10/1 - 3/31
November 1, 2013	March 31, 2020	18-10	COL GAS OF KY 06-10	805258	CKY-STEPSTONE	3,511	3,000	200	10/1 - 3/31
November 1, 2013	March 31, 2020	18-10	COL GAS OF KY 06-10	829541	LAKE CARNICO	40,129	24,979	500	10/1 - 3/31
November 1, 2013	March 31, 2020	18-10	COL GAS OF KY 06-10	400157	CKY PAY GAS CONS	227	227		4/1 - 9/30
November 1, 2013	March 31, 2020	18-10	COL GAS OF KY 06-10	803570	WALLOW TOOL & DIE	15	9	50	4/1 - 9/30
November 1, 2013	March 31, 2020	18-10	COL GAS OF KY 06-10	803618	FOSTER D P	29	29	50	4/1 - 9/30
November 1, 2013	March 31, 2020	18-10	COL GAS OF KY 06-10	805258	CKY-STEPSTONE	1,756	1,500	200	4/1 - 9/30
November 1, 2013	March 31, 2020	18-10	COL GAS OF KY 06-10	829541	LAKE CARNICO	20,065	12,490	500	4/1 - 9/30
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	803523	MAYSVILLE D.P.	6,483	6,000	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	803585	WASHINGTON -HIGH	89	89	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	804451	WASHINGTON - MAIN	1,700	1,700	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	804940	MAYSVILLE EAST TA	53	51	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	805158	GERMANTOWN	276	275	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	834119	MAYSVILLE MATERIA	825		150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	834288	MAYSVILLE INDUSTR	400	200	200	10/1 - 3/31
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	803523	MAYSVILLE D.P.	3,242	3,000	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	803585	WASHINGTON -HIGH	45	45	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	804451	WASHINGTON - MAIN	850	850	150	4/1 - 9/30

Primary Delivery Points

Begin Date	End Date	Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) 1/	Design Daily Quantity (Dth/day) 1/	Minimum Delivery Pressure Obligation (psig) 1/	Recurrence Interval
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	804940	MAYSVILLE EAST TA	27	26	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	805158	GERMANTOWN	138	138	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	834119	MAYSVILLE MATERIA	413		150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-11	COL GAS OF KY 06-11	834288	MAYSVILLE INDUSTR	200	100	200	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	400169	CKY PAY GAS CONS	110	110		10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	400173	CKY PAY GAS CONS	573	573		10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	803537	PHILIPS LIGHTING C	197	179	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	803599	MT. STERLING D.P.	4,208	4,200	400	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	803600	CKY WINCHESTER	7,251	6,823	200	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	803602	PARIS CYNTHIANA	12,008	6,970	275	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	804399	BYBEE POTTERY	27	14	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	805233	CIRCUIT COURT	1,069	984	200	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	805460	WINCHESTER RT. 89	5,739	4,371	200	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	805544	WACO -BYBEE	0	261	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	805546	AVON-CLINTONVILLE	407	407	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	805776	ATHENS	132	131	250	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	805968	YEISER, INC...	62	60	200	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817712	HILLCREST SUBDIVI	136	136	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817714	YORKTOWN MOBILE	53	51	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817715	KERRS MOBILE HOM	24	24	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817716	WAYLAND AVE. D.P.	46	46	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817717	JUDIANA & ROCKWE	210	127	200	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817718	BOONE VILLAGE	72	72	250	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817719	COUNTRY CLUB HTS	47	47	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817721	UNION CITY D.P.	54	54	150	10/1 - 3/31

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure Obligation (psig) 1/</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	820375	LEXINGTON	87,255	83,913	250	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	823283	WINCHESTER FARM	2,000	1,300	200	10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	832885	SOUTHERN HILLS SU	0			10/1 - 3/31
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	400169	CKY PAY GAS CONS	55	55		4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	400173	CKY PAY GAS CONS	287	287		4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	803537	PHILIPS LIGHTING C	99	90	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	803599	MT. STERLING D.P.	2,104	2,100	400	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	803600	CKY WINCHESTER	3,626	3,412	200	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	803602	PARIS CYNTHIANA	6,004	3,485	275	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	804399	BYBEE POTTERY	14	7	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	805233	CIRCUIT COURT	535	492	200	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	805460	WINCHESTER RT. 89	2,870	2,186	200	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	805544	WACO -BYBEE	0	131	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	805546	AVON-CLINTONVILLE	204	204	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	805776	ATHENS	66	66	250	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	805968	YEISER, INC...	31	30	200	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817712	HILLCREST SUBDIVI	68	68	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817714	YORKTOWN MOBILE	27	26	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817715	KERRS MOBILE HOM	12	12	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817716	WAYLAND AVE. D.P.	23	23	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817717	JUDIANA & ROCKWE	105	64	200	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817718	BOONE VILLAGE	36	36	250	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817719	COUNTRY CLUB HTS	24	24	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	817721	UNION CITY D.P.	27	27	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	820375	LEXINGTON	43,628	41,957	250	4/1 - 9/30

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure Obligation (psig) 1/</u>	<u>Recurrence Interval</u>
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	823283	WINCHESTER FARM	1,000	650	200	4/1 - 9/30
November 1, 2013	March 31, 2020	18-12	COL GAS OF KY 06-12	832885	SOUTHERN HILLS SU	0			4/1 - 9/30
November 1, 2013	March 31, 2020	18-13	COL GAS OF KY 06-13	400165	CKY PAY GAS CONS	21	21		10/1 - 3/31
November 1, 2013	March 31, 2020	18-13	COL GAS OF KY 06-13	400167	CKY PAY GAS CONS	50	50		10/1 - 3/31
November 1, 2013	March 31, 2020	18-13	COL GAS OF KY 06-13	804301	CKY-IRVINE	3,453	3,453	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-13	COL GAS OF KY 06-13	817720	WINSTON D.P. LINE	89	89	150	10/1 - 3/31
November 1, 2013	March 31, 2020	18-13	COL GAS OF KY 06-13	400165	CKY PAY GAS CONS	11	11		4/1 - 9/30
November 1, 2013	March 31, 2020	18-13	COL GAS OF KY 06-13	400167	CKY PAY GAS CONS	25	25		4/1 - 9/30
November 1, 2013	March 31, 2020	18-13	COL GAS OF KY 06-13	804301	CKY-IRVINE	1,727	1,727	150	4/1 - 9/30
November 1, 2013	March 31, 2020	18-13	COL GAS OF KY 06-13	817720	WINSTON D.P. LINE	45	45	150	4/1 - 9/30
November 1, 2013	March 31, 2020	805095	LEXINGTON MUTH	805095	LEXINGTON MUTH	79,547	65,846	250	10/1 - 3/31
November 1, 2013	March 31, 2020	805095	LEXINGTON MUTH	805095	LEXINGTON MUTH	39,774	32,923	250	4/1 - 9/30

1/

Application of MDDOs, DDQs and ADQs, minimum pressure and/or hourly flowrate shall be as follows:

At Measuring Point No. 829541 during the months of November through March of each year - The Minimum Delivery Pressure Obligation is 750 psig whenever the forecasted low temperature used by Transporter's Gas Control for the Lexington, KY area is 20 degrees F or lower. Regardless of the forecasted temperature, if the actual temperature in the Lexington, KY area should fall below 20 degrees F, Transporter will provide, to the extent operationally feasible, a Minimum Delivery Pressure Obligation of 750 psig. If forecasted low temperature for the Lexington, KY area is above 20 degrees F, the Minimum Delivery Pressure Obligation is 600 psig.

At Measuring Point No. 829541 during the months of April through October of each year - The Minimum Delivery Pressure Obligation is 500 psig.

Unless Measuring Point specific Maximum Daily Delivery Obligations (MDDO's) are specified in a separate firm service agreement between Transporter and Shipper, Transporter's aggregate MDDO, under this and any other service agreement between Transporter and Shipper, at the Measuring Points listed above shall not exceed the MDDO quantities set forth above for each Measuring Point. In addition, Transporter shall not be obligated on any day to deliver in total more than the Aggregate Daily Quantities (ADQ's) listed below for each specified Market Area. The Market Area in which each Measuring Point is located is posted on Transporter's EBB and incorporated herein by reference. Any Measuring Point specific MDDO's in a separate firm service agreement between Transporter and Shipper shall be additive both to the individual MDDO's and DDQ's set forth above and to any applicable ADQ's set forth below.

Market Area Number / Market Area Name / ADQ

10 - Cincinnati - 28,490

11 - Aberdeen - 8,133

12 - Lexington - 168,508

13 - Manchester - 3,613

ADQ for Market Areas 10-13 - 174,861

15 - Portsmouth - 15,665

16 - Lancer - 3,178

18 - Kentucky Miscellaneous - 1,197

ADQ for Market Areas 15, 16, and 18 - 16,019

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

Yes No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 42 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) The MDDOs, ADQs, and/or DDQs set forth in Appendix A to Shipper's _____ Service Agreement No. _____ are incorporated herein by reference.

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.

Yes No (Check applicable blank) This Service Agreement covers offsystem capacity sold pursuant to Section 47 of the General Terms and Conditions. Right of first refusal rights, if any, applicable to this offsystem capacity are limited as provided for in General Terms and Conditions Section 47.

COLUMBIA GAS OF KENTUCKY, INC

By

Walter Bauer

Title

VP

Date

11/1/13

Reviewed by TMC 10/31/2013

COLUMBIA GAS TRANSMISSION, LLC

By

Miller S. Tuma

Title

UT Customer Services & Integration

Date

11-1-13

Service Agreement No. 80160

Revision No. 7

SST SERVICE AGREEMENT

THIS AGREEMENT is made and entered into this 23rd day of January, 2019, by and between COLUMBIA GAS TRANSMISSION, LLC ("Transporter") and COLUMBIA GAS OF 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 service in accordance with the provisions of the effective SST Rate Schedule and applicable General Terms and Conditions of Transporter's FERC Gas Tariff, Fourth 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. The maximum obligation 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 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 February 1, 2019, and shall continue in full force and effect until March 31, 2020. Pre-granted abandonment shall apply 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 Transporter the charges and furnish 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); (f) production and/or reserves committed by the Shipper; and (g) based on a formula including, but not limited to, published index prices for specific receipt and/or delivery points or other agreed-upon pricing points, provided that the resulting rate shall be no lower than the minimum nor higher than the maximum applicable rate set forth in the Tariff. In addition, the discount agreement may include a provision that if one rate component which was at or below the applicable maximum rate at the time the discount agreement was executed subsequently exceeds the applicable maximum rate due to a change in Transporter's maximum rate so that such rate component must be adjusted downward to equal the new applicable maximum rate, then other rate components may be adjusted upward to achieve the agreed overall rate, so long as none of the resulting rate components exceed the maximum rate applicable to that rate component. Such changes to rate components shall be applied prospectively, commencing with the date a Commission order accepts revised tariff sections. However, nothing contained herein shall be construed to alter a refund obligation under applicable law for any period during which rates, which had been charged under a discount agreement, exceeded rates which ultimately are found to be just and reasonable.

Section 4. Notices. Notices to Transporter under this Agreement shall be addressed to it at 700 Louisiana

St., Suite 700, Houston, Texas 77002-2700, Attention: Customer Services and notices to Shipper shall be addressed to it at Columbia Gas of Kentucky, Inc., 290 W. Nationwide Blvd., Columbus, OH 43215, Attention: Dan Grieshop, 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): SST No. 80160, Revision No. 6.

COLUMBIA GAS OF KENTUCKY, INC.

By Michael D. Wots
Title V.P.
Date 1-14-19

COLUMBIA GAS TRANSMISSION, LLC

By Carol Wickham
Title Manager, Transmission Contracts
Date 1-23-19

Review by TMR 1/14/2019

Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
between Columbia Gas Transmission, LLC ("Transporter")
and Columbia Gas of Kentucky, Inc. ("Shipper").

Transportation Demand

<u>Begin Date</u>	<u>End Date</u>	<u>Transportation Demand Dth/day</u>	<u>Recurrence Interval</u>
02/01/2019	03/31/2020	190,880	10/1 - 3/31
02/01/2019	03/31/2020	95,440	4/1 - 9/30

Primary Receipt Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Maximum Daily Quantity (Dth/day)</u>	<u>Recurrence Interval</u>
02/01/2019	03/31/2020	STOR	RP Storage Point TCO	190,880	10/1 - 3/31
02/01/2019	03/31/2020	STOR	RP Storage Point TCO	95,440	4/1 - 9/30

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure Obligation (psig) 1/</u>	<u>Recurrence Interval</u>
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	400143	CKY PAY GAS CONSUMER	134	134		10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	400147	CKY PAY GAS CONSUMER	83	83		10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	801584	ASHLAND OIL REF.	15,073	1,043	200	10/1 - 3/31

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure Obligation (psig) 1/</u>	<u>Recurrence Interval</u>
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	803264	FULLERTON DP	1,071	888	100	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	803423	FLATWOODS	274	274	200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	803759	DUPONT	335		200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	803773	CKY ASHLAND 8TH STREE	7,726	4,666	50	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	803848	MARKWEST HYDROCARB	788	49	100	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804193	CALGON	3,143	1,627	50	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804313	WURLAND D.P. (EM)	3,719	2,719	200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804319	WESTWOOD	1,615	1,615	200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804324	ASH.-BUCKLY RD.	485	257	50	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804329	GREENUP-UPPER RIGGS	77	30	200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804345	GREENUP-LOWER RIGGS	251	198	200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804373	GREENUP-UPPER RIGGS	71	71	200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804374	GREENUP-CENTER RIGGS	62	62	200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804375	FLATWOODS	139	133	200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804379	RACELAND-POPLAR HGTS	83	39	200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804423	GREENUP CENTER	145	103	200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804711	ASH-FRIENDSHIP RD.	777	405	50	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804949	INTERNATIONAL NICKEL	2,020	272	50	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	805174	CANNONSBURG	343	343	40	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	805609	SUMMIT CITY	354	335	50	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	805633	BELHAVEN	212	212	200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	805676	HILLCREST APTS.	137	57	50	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	805815	BRUCE APTS.	36	34	50	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	814791	AMETEK CORP.	37	16	200	10/1 - 3/31
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	838145	Marathon Line U	2,000		260	10/1 - 3/31

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02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	400143	CKY PAY GAS CONSUMER	67	67		4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	400147	CKY PAY GAS CONSUMER	42	42		4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	801584	ASHLAND OIL REF.	7,537	522	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	803264	FULLERTON DP	536	444	100	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	803423	FLATWOODS	137	137	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	803759	DUPONT	168		200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	803773	CKY ASHLAND 8TH STREE	3,863	2,333	50	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	803848	MARKWEST HYDROCARB	394	25	100	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804193	CALGON	1,572	814	50	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804313	WURLAND D.P. (EM)	1,860	1,360	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804319	WESTWOOD	808	808	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804324	ASH.-BUCKLY RD.	243	129	50	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804329	GREENUP-UPPER RIGGS	39	15	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804345	GREENUP-LOWER RIGGS	126	99	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804373	GREENUP-UPPER RIGGS	36	36	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804374	GREENUP-CENTER RIGGS	31	31	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804375	FLATWOODS	70	67	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804379	RACELAND-POPLAR HGTS	42	20	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804423	GREENUP CENTER	73	52	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804711	ASH-FRIENDSHIP RD.	389	203	50	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	804949	INTERNATIONAL NICKEL	1,010	136	50	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	805174	CANNONSBURG	172	172	40	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	805609	SUMMIT CITY	177	168	50	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	805633	BELHAVEN	106	106	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	805676	HILLCREST APTS.	69	29	50	4/1 - 9/30

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02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	805815	BRUCE APTS.	18	17	50	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	814791	AMETEK CORP.	19	8	200	4/1 - 9/30
02/01/2019	03/31/2020	17-15	COL GAS OF KY 03-15	838145	Marathon Line U	1,000		260	4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	400137	CKY PAY GAS CONSUMER	140	140		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	400139	CKY PAY GAS CONSUMER	157	157		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	400149	CKY PAY GAS CONSUMER	216	216		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	400151	CKY PAY GAS CONSUMER	43	43		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	400153	CKY PAY GAS CONSUMER	66	66		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	400155	CKY PAY GAS CONSUMER	24	24		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	803769	LOUISA POD	699	699		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	803770	LOUISA	113	112		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	803771	HAROLD-LAYNESVILLE	112	112		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	803772	HAROLD-LAYNESVILLE	493	493		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	803775	LOUISA POD	1,171	1,000		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	803782	LANCER	237	237		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	804127	CANEY CK. COMMUNITY	132	131		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	804517	BRANDY KEG CK.	21	12		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	804767	MARTIN GAS CO.	47	32		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	804779	KNOTT CO. BD. OF EDUC.	29	29		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	804954	MIKE LITTLE GAS CO.	132	122	50	10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	805682	AMERICAN STANDARD	213	68		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	805686	PIPPA PASSES	12	11		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	814637	ALICE LLOYD COLLEGE	54	45		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	817722	GREEN MEADOWS D.P.	70	70		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	820005	EAST KENTUCKY PAVING	796			10/1 - 3/31

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02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	823289	SOUTH WILLIAMSON D.P.	643	519		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	828673	Martin Housing Authority	36	33		10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	846041	BIG SANDY ASPHALT	0			10/1 - 3/31
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	400137	CKY PAY GAS CONSUMER	70	70		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	400139	CKY PAY GAS CONSUMER	79	79		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	400149	CKY PAY GAS CONSUMER	108	108		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	400151	CKY PAY GAS CONSUMER	22	22		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	400153	CKY PAY GAS CONSUMER	33	33		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	400155	CKY PAY GAS CONSUMER	12	12		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	803769	LOUISA POD	350	350		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	803770	LOUISA	57	56		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	803771	HAROLD-LAYNESVILLE	56	56		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	803772	HAROLD-LAYNESVILLE	247	247		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	803775	LOUISA POD	586	500		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	803782	LANCER	119	119		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	804127	CANEY CK. COMMUNITY	66	66		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	804517	BRANDY KEG CK.	11	6		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	804767	MARTIN GAS CO.	24	16		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	804779	KNOTT CO. BD. OF EDUC.	15	15		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	804954	MIKE LITTLE GAS CO.	66	61	50	4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	805682	AMERICAN STANDARD	107	34		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	805686	PIPPA PASSES	6	6		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	814637	ALICE LLOYD COLLEGE	27	23		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	817722	GREEN MEADOWS D.P.	35	35		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	820005	EAST KENTUCKY PAVING	398			4/1 - 9/30

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02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	823289	SOUTH WILLIAMSON D.P.	322	260		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	828673	Martin Housing Authority	18	17		4/1 - 9/30
02/01/2019	03/31/2020	17-16	COL GAS OF KY 03-16	846041	BIG SANDY ASPHALT	0			4/1 - 9/30
02/01/2019	03/31/2020	17-18	COL GAS OF KY 03-18	420043	INEZ-WALLBRIDGE KY PA	4	4		10/1 - 3/31
02/01/2019	03/31/2020	17-18	COL GAS OF KY 03-18	420043	INEZ-WALLBRIDGE KY PA	2	2		4/1 - 9/30
02/01/2019	03/31/2020	18-10	COL GAS OF KY 06-10	400157	CKY PAY GAS CONSUMER	486	486		10/1 - 3/31
02/01/2019	03/31/2020	18-10	COL GAS OF KY 06-10	803618	FOSTER D P	58	58	50	10/1 - 3/31
02/01/2019	03/31/2020	18-10	COL GAS OF KY 06-10	805258	CKY-STEPSTONE	3,511	3,000	200	10/1 - 3/31
02/01/2019	03/31/2020	18-10	COL GAS OF KY 06-10	829541	LAKE CARNICO	40,129	24,979	500	10/1 - 3/31
02/01/2019	03/31/2020	18-10	COL GAS OF KY 06-10	400157	CKY PAY GAS CONSUMER	243	243		4/1 - 9/30
02/01/2019	03/31/2020	18-10	COL GAS OF KY 06-10	803618	FOSTER D P	29	29	50	4/1 - 9/30
02/01/2019	03/31/2020	18-10	COL GAS OF KY 06-10	805258	CKY-STEPSTONE	1,756	1,500	200	4/1 - 9/30
02/01/2019	03/31/2020	18-10	COL GAS OF KY 06-10	829541	LAKE CARNICO	20,065	12,490	500	4/1 - 9/30
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	803523	MAYSVILLE D.P.	6,513	6,018	150	10/1 - 3/31
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	803585	WASHINGTON -HIGHLAND	89	89	150	10/1 - 3/31
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	804451	WASHINGTON - MAIN TAP	1,700	1,700	150	10/1 - 3/31
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	804940	MAYSVILLE EAST TAP	53	51	150	10/1 - 3/31
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	805158	GERMANTOWN	276	275	150	10/1 - 3/31
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	834119	MAYSVILLE MATERIALS	825		150	10/1 - 3/31
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	834288	MAYSVILLE INDUSTRIAL	400	200	200	10/1 - 3/31
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	803523	MAYSVILLE D.P.	3,257	3,009	150	4/1 - 9/30
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	803585	WASHINGTON -HIGHLAND	45	45	150	4/1 - 9/30
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	804451	WASHINGTON - MAIN TAP	850	850	150	4/1 - 9/30
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	804940	MAYSVILLE EAST TAP	27	26	150	4/1 - 9/30
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	805158	GERMANTOWN	138	138	150	4/1 - 9/30

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02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	834119	MAYSVILLE MATERIALS	413		150	4/1 - 9/30
02/01/2019	03/31/2020	18-11	COL GAS OF KY 06-11	834288	MAYSVILLE INDUSTRIAL	200	100	200	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	400169	CKY PAY GAS CONSUMER	188	188		10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	400173	CKY PAY GAS CONSUMER	462	462		10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	803537	PHILIPS LIGHTING COMPA	197	179	150	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	803599	MT. STERLING D.P.	4,208	4,200	400	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	803600	CKY WINCHESTER	7,251	6,823	350	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	803602	PARIS CYNTHIANA	12,008	6,970	275	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	804399	BYBEE POTTERY	27	14	150	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	805233	CIRCUIT COURT	1,069	984	200	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	805460	WINCHESTER RT. 89	5,739	4,371	200	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	805544	WACO -BYBEE	261	261	150	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	805546	AVON-CLINTONVILLE	407	407	150	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	805776	ATHENS	132	131	250	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	805968	YEISER, INC...	62	60	200	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817712	HILLCREST SUBDIVISION	136	136	150	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817714	YORKTOWN MOBILE HOM	53	51	150	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817715	KERRS MOBILE HOME PA	24	24	150	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817716	WAYLAND AVE. D.P.	46	46	150	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817717	JUDIANA & ROCKWELL	210	127	200	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817718	BOONE VILLAGE	72	72	250	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817719	COUNTRY CLUB HTS.	47	47	150	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817721	UNION CITY D.P.	54	54	150	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	820375	LEXINGTON	87,255	83,913	250	10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	823283	WINCHESTER FARMS DAI	2,000	1,300	200	10/1 - 3/31

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure Obligation (psig) 1/</u>	<u>Recurrence Interval</u>
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	832885	SOUTHERN HILLS SUBDIV	0			10/1 - 3/31
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	400169	CKY PAY GAS CONSUMER	94	94		4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	400173	CKY PAY GAS CONSUMER	231	231		4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	803537	PHILIPS LIGHTING COMPA	99	90	150	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	803599	MT. STERLING D.P.	2,104	2,100	400	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	803600	CKY WINCHESTER	3,626	3,412	350	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	803602	PARIS CYNTHIANA	6,004	3,485	275	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	804399	BYBEE POTTERY	14	7	150	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	805233	CIRCUIT COURT	535	492	200	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	805460	WINCHESTER RT. 89	2,870	2,186	200	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	805544	WACO -BYBEE	131	131	150	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	805546	AVON-CLINTONVILLE	204	204	150	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	805776	ATHENS	66	66	250	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	805968	YEISER, INC...	31	30	200	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817712	HILLCREST SUBDIVISION	68	68	150	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817714	YORKTOWN MOBILE HOM	27	26	150	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817715	KERRS MOBILE HOME PA	12	12	150	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817716	WAYLAND AVE. D.P.	23	23	150	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817717	JUDIANA & ROCKWELL	105	64	200	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817718	BOONE VILLAGE	36	36	250	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817719	COUNTRY CLUB HTS.	24	24	150	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	817721	UNION CITY D.P.	27	27	150	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	820375	LEXINGTON	43,628	41,957	250	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	823283	WINCHESTER FARMS DAI	1,000	650	200	4/1 - 9/30
02/01/2019	03/31/2020	18-12	COL GAS OF KY 06-12	832885	SOUTHERN HILLS SUBDIV	0			4/1 - 9/30

Primary Delivery Points

<u>Begin Date</u>	<u>End Date</u>	<u>Scheduling Point No.</u>	<u>Scheduling Point Name</u>	<u>Measuring Point No.</u>	<u>Measuring Point Name</u>	<u>Maximum Daily Delivery Obligation (Dth/day) 1/</u>	<u>Design Daily Quantity (Dth/day) 1/</u>	<u>Minimum Delivery Pressure Obligation (psig) 1/</u>	<u>Recurrence Interval</u>
02/01/2019	03/31/2020	18-13	COL GAS OF KY 06-13	400165	CKY PAY GAS CONSUMER	21	21		10/1 - 3/31
02/01/2019	03/31/2020	18-13	COL GAS OF KY 06-13	400167	CKY PAY GAS CONSUMER	50	50		10/1 - 3/31
02/01/2019	03/31/2020	18-13	COL GAS OF KY 06-13	804301	CKY-IRVINE	3,453	3,453	150	10/1 - 3/31
02/01/2019	03/31/2020	18-13	COL GAS OF KY 06-13	817720	WINSTON D.P. LINE	89	89	150	10/1 - 3/31
02/01/2019	03/31/2020	18-13	COL GAS OF KY 06-13	400165	CKY PAY GAS CONSUMER	11	11		4/1 - 9/30
02/01/2019	03/31/2020	18-13	COL GAS OF KY 06-13	400167	CKY PAY GAS CONSUMER	25	25		4/1 - 9/30
02/01/2019	03/31/2020	18-13	COL GAS OF KY 06-13	804301	CKY-IRVINE	1,727	1,727	150	4/1 - 9/30
02/01/2019	03/31/2020	18-13	COL GAS OF KY 06-13	817720	WINSTON D.P. LINE	45	45	150	4/1 - 9/30
02/01/2019	03/31/2020	805095	LEXINGTON MUTH	805095	LEXINGTON MUTH	79,547	65,846	250	10/1 - 3/31
02/01/2019	03/31/2020	805095	LEXINGTON MUTH	805095	LEXINGTON MUTH	39,774	32,923	250	4/1 - 9/30

1/

Application of MDDOs, DDQs and ADQs, minimum pressure and/or hourly flowrate shall be as follows:

At Measuring Point No. 829541 during the months of November through March of each year - The Minimum Delivery Pressure Obligation is 750 psig whenever the forecasted low temperature used by Transporter's Gas Control for the Lexington, KY area is 20 degrees F or lower. Regardless of the forecasted temperature, if the actual temperature in the Lexington, KY area should fall below 20 degrees F, Transporter will provide, to the extent operationally feasible, a Minimum Delivery Pressure Obligation of 750 psig. If forecasted low temperature for the Lexington, KY area is above 20 degrees F, the Minimum Delivery Pressure Obligation is 600 psig.

At Measuring Point No. 829541 during the months of April through October of each year - The Minimum Delivery Pressure Obligation is 500 psig.

Unless Measuring Point specific Maximum Daily Delivery Obligations (MDDO's) are specified in a separate firm service agreement between Transporter and Shipper, Transporter's aggregate MDDO, under this and any other service agreement between Transporter and Shipper, at the Measuring Points listed above shall not exceed the MDDO quantities set forth above for each Measuring Point. In addition, Transporter shall not be obligated on any day to deliver in total more than the Aggregate Daily Quantities (ADQ's) listed below for each specified Market Area. The Market Area in which each Measuring Point is located is posted on Transporter's EBB and incorporated herein by reference. Any Measuring Point specific MDDO's in a separate firm service agreement between Transporter and Shipper shall be additive both to the individual MDDO's and DDQ's set forth above and to any applicable ADQ's set forth below.

Market Area Number / Market Area Name / ADQ

- 10 - Cincinnati - 28,523
- 11 - Aberdeen - 8,133
- 12 - Lexington - 168,475
- 13 - Manchester - 3,613
- ADQ for Market Areas 10-13 - 174,861
- 15 - Portsmouth - 15,665
- 16 - Lancer - 4,371
- 18 - Kentucky Miscellaneous - 4
- ADQ for Market Areas 15, 16, and 18 - 16,019

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

Yes No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 42 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) The MDDOs, ADQs, and/or DDQs set forth in Appendix A to Shipper's _____ Service Agreement No. _____ are incorporated herein by reference.

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.

Yes No (Check applicable blank) This Service Agreement covers offsystem capacity sold pursuant to Section 47 of the General Terms and Conditions. Right of first refusal rights, if any, applicable to this offsystem capacity are limited as provided for in General Terms and Conditions Section 47.

COLUMBIA GAS OF KENTUCKY, INC.

By *[Signature]*
Title V.P.
Date 1-14-19

Revised by Tmn #1/14/2019

COLUMBIA GAS TRANSMISSION, LLC

By *[Signature]*
Title Manassas Transportation Contracts
Date 1-23-19

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Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

October through March Transportation Demand 190,880 Dth/Day

April through September Transportation Demand 95,440 Dth/Day

Primary Receipt Points

Scheduling Point No.	Scheduling Point Name	Maximum Daily Quantity (Dth/Day)
STOW	STORAGE WITHDRAWALS	190,880

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Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
17-15	COL GAS OF KY 03-15	400137	CKY PAY GAS CONSUMERS	142	142			
17-16	COL GAS OF KY 03-16	400139	CKY PAY GAS CONSUMERS	159	159			
17-16	COL GAS OF KY 03-16	400141	CKY PAY GAS CONSUMERS	0	0			
17-15	COL GAS OF KY 03-15	400143	CKY PAY GAS CONSUMERS	134	134			
17-15	COL GAS OF KY 03-15	400145	CKY PAY GAS CONSUMERS	0	0			
17-15	COL GAS OF KY 03-15	400147	CKY PAY GAS CONSUMERS	83	83			
17-18	COL GAS OF KY 03-18	400149	CKY PAY GAS CONSUMERS	216	216			
17-16	COL GAS OF KY 03-16	400151	CKY PAY GAS CONSUMERS	43	43			
17-18	COL GAS OF KY 03-18	400153	CKY PAY GAS CONSUMERS	66	66			
17-18	COL GAS OF KY 03-18	400155	CKY PAY GAS CONSUMERS	24	24			
18-10	COL GAS OF KY 06-10	400157	CKY PAY GAS CONSUMERS	453	453			
18-13	COL GAS OF KY 06-13	400165	CKY PAY GAS CONSUMERS	21	21			
18-13	COL GAS OF KY 06-13	400167	CKY PAY GAS CONSUMERS	50	50			
18-12	COL GAS OF KY 06-12	400169	CKY PAY GAS CONSUMERS	110	110			
18-12	COL GAS OF KY 06-12	400173	CKY PAY GAS CONSUMERS	573	573			
18-14	COL GAS OF KY 06-14	400175	CKY PAY GAS CONSUMERS	10	10			
18-14	COL GAS OF KY 06-14	400177	CKY PAY GAS CONSUMERS	119	119			

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Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) 1/	Design Daily Quantity (Dth/day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Hourly Flowrate (Dth/hour) 1/
17-18	COL GAS OF KY 03-18	400431	CKY PAY GAS CONSUMERS	0	0			
17-18	COL GAS OF KY 03-18	400481	CKY PAY GAS CONSUMERS	0	0			
17-18	COL GAS OF KY 03-18	400483	CKY PAY GAS CONSUMERS	0	0			
17-15	COL GAS OF KY 03-15	801584	ASHLAND OIL REF.	17,073	1,043		200	
17-15	COL GAS OF KY 03-15	803264	FULLERTON DP	1,071	888		100	
17-15	COL GAS OF KY 03-15	803423	FLATWOODS	274	274		200	
18-11	COL GAS OF KY 06-11	803523	MAYSVILLE D.P.	6,483	6,000		150	
18-12	COL GAS OF KY 06-12	803537	PHILIPS LIGHTING COMPANY	197	179		150	
18-10	COL GAS OF KY 06-10	803570	WALLOW TOOL & DIE COMPANY	30	18		50	
18-11	COL GAS OF KY 06-11	803585	WASHINGTON-HIGHLAND	89	89		150	
18-12	COL GAS OF KY 06-12	803599	MT. STERLING D.P.	4,208	4,200		400	
18-12	COL GAS OF KY 06-12	803600	CKY WINCHESTER	7,251	6,823		200	
18-12	COL GAS OF KY 06-12	803802	PARIS CYNTHIANA	12,008	6,970		275	
18-10	COL GAS OF KY 06-10	803818	FOSTER D P	58	58		50	
17-15	COL GAS OF KY 03-15	803759	DUPONT	335	0		200	
17-16	COL GAS OF KY 03-16	803769	LOUISA POD	699	699			
17-16	COL GAS OF KY 03-16	803770	LOUISA	113	112			

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Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
17-18	COL GAS OF KY 03-18	803771	HAROLD-LAYNESVI LLE	112	112			
17-18	COL GAS OF KY 03-18	803772	HAROLD-LAYNESVI LLE	493	493			
17-15	COL GAS OF KY 03-15	803773	CKY ASHLAND 8TH STREET	7,726	4,666		50	
17-16	COL GAS OF KY 03-16	803775	LOUISA POD	1,171	1,000			
17-16	COL GAS OF KY 03-16	803782	LANCER	237	237			
17-15	COL GAS OF KY 03-15	803848	MARKWEST HYDROCARBON	788	49		100	
17-18	COL GAS OF KY 03-18	804127	CANEY CK. COMMUNITY	132	131			
17-16	COL GAS OF KY 03-16	804193	CALGON	3,143	1,627		50	
18-13	COL GAS OF KY 06-13	804301	CKY-IRVINE	3,453	3,453		150	
17-15	COL GAS OF KY 03-15	804313	WURLAND D.P. (EM)	3,719	2,719		200	
17-15	COL GAS OF KY 03-15	804319	WESTWOOD	1,615	1,615		200	
17-15	COL GAS OF KY 03-15	804324	ASH-BUCKLY RD.	485	257		50	
17-15	COL GAS OF KY 03-15	804329	GREENUP-UPPER RIGGS	77	30		200	
17-15	COL GAS OF KY 03-15	804345	GREENUP-LOWER RIGGS	251	198		200	
17-15	COL GAS OF KY 03-15	804373	GREENUP-UPPER RIGGS	71	71		200	
17-15	COL GAS OF KY 03-15	804374	GREENUP-CENTER RIGGS	62	62		200	
17-15	COL GAS OF KY 03-15	804375	FLATWOODS	139	133		200	

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Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) 1/	Design Daily Quantity (Dth/day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Hourly Flowrate (Dth/hour) 1/
17-15	COL GAS OF KY 03-15	804379	RACELAND-POPLA R HGTS.	83	39		200	
18-12	COL GAS OF KY 06-12	804399	BYBEE POTTERY	27	14		150	
17-15	COL GAS OF KY 03-15	804423	GREENUP CENTER	145	103		200	
18-11	COL GAS OF KY 06-11	804451	WASHINGTON - MAIN TAP	1,700	1,700		150	
17-16	COL GAS OF KY 03-16	804517	BRANDY KEG CK.	21	12			
17-15	COL GAS OF KY 03-15	804711	ASH-FRIENDSHIP RD.	777	405		50	
17-16	COL GAS OF KY 03-16	804767	MARTIN GAS CO.	47	32			
17-18	COL GAS OF KY 03-18	804779	KNOTT CO. BD. OF EDUC.	29	29			
18-11	COL GAS OF KY 06-11	804940	MAYSVILLE EAST TAP	53	51		150	
17-16	COL GAS OF KY 03-16	804949	INTERNATIONAL NICKEL	2,020	272		50	
17-16	COL GAS OF KY 03-16	804954	MIKE LITTLE GAS CO.	132	122		50	
18-12	COL GAS OF KY 06-12	805095	LEXINGTON MUTH	79,547	65,846		250	
18-11	COL GAS OF KY 06-11	805158	GERMANTOWN	276	275		150	
17-15	COL GAS OF KY 03-15	805174	CANNONSBURG	343	343		40	
18-12	COL GAS OF KY 06-12	805233	CIRCUIT COURT	1,069	984		200	
18-10	COL GAS OF KY 06-10	805258	CKY-STEPSTONE	3,511	3,000		400	
18-12	COL GAS OF KY 06-12	805480	WINCHESTER RT. 89	5,739	4,371		200	

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Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) 1/	Design Daily Quantity (Dth/day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Hourly Flowrate (Dth/hour) 1/
18-12	COL GAS OF KY 06-12	805544	WACO -BYBEE	0	261		150	
18-12	COL GAS OF KY 06-12	805546	AVON-CLINTONVILL E	407	407		150	
17-15	COL GAS OF KY 03-15	805609	SUMMIT CITY	354	335		50	
17-15	COL GAS OF KY 03-15	805633	BELHAVEN	212	212		200	
17-15	COL GAS OF KY 03-15	805676	HILLCREST APTS.	137	57		50	
17-16	COL GAS OF KY 03-16	805682	AMERICAN STANDARD	213	68			
17-18	COL GAS OF KY 03-18	805686	PIPPA PASSES	12	11			
18-12	COL GAS OF KY 06-12	805776	ATHENS	132	131		250	
17-15	COL GAS OF KY 03-15	805815	BRUCE APTS.	36	34		50	
18-12	COL GAS OF KY 06-12	805968	YEISER, INC...	62	60		200	
17-18	COL GAS OF KY 03-18	814637	ALICE LLOYD COLLEGE	54	45			
17-15	COL GAS OF KY 03-15	814791	AMETEK CORP.	37	16		200	
18-12	COL GAS OF KY 06-12	817712	HILLCREST SUBDIVISION	136	136		150	
18-12	COL GAS OF KY 06-12	817714	YORKTOWN MOBILE HOME	53	51		150	
18-12	COL GAS OF KY 06-12	817715	KERRS MOBILE HOME PARK LINE KH	24	24		150	
18-12	COL GAS OF KY 06-12	817716	WAYLAND AVE. D.P.	46	46		150	

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Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
18-12	COL GAS OF KY 06-12	817717	JUDIANA & ROCKWELL	210	127		200	
18-12	COL GAS OF KY 06-12	817718	BOONE VILLAGE	72	72		250	
18-12	COL GAS OF KY 06-12	817719	COUNTRY CLUB HTS.	47	47		150	
18-13	COL GAS OF KY 06-13	817720	WINSTON D.P. LINE	89	89		150	
18-12	COL GAS OF KY 06-12	817721	UNION CITY D.P.	54	54		150	
17-18	COL GAS OF KY 03-18	817722	GREEN MEADOWS D.P.	70	70			
17-16	COL GAS OF KY 03-16	820005	EAST KENTUCKY PAVING	796	0			
18-12	COL GAS OF KY 06-12	820375	LEXINGTON	87,255	83,913		250	
18-12	COL GAS OF KY 06-12	823283	WINCHESTER FARMS DAIRY CO.	2,000	1,300		200	
17-16	COL GAS OF KY 03-16	823289	SOUTH WILLIAMSON D.P.	643	519			
17-16	COL GAS OF KY 03-16	828673	MARTIN HOUSING AUTHORITY	36	33			
18-10	COL GAS OF KY 06-10	829541	LAKE CARNICO	40,000	24,850	FN01	600	
18-12	COL GAS OF KY 06-12	832885	SOUTHERN HILLS SUBDIVISION	0	0			
18-11	COL GAS OF KY 06-11	834119	MAYSVILLE MATERIALS	825	0		150	
18-11	COL GAS OF KY 06-11	834288	MAYSVILLE INDUSTRIAL	400	200		200	
17-16	COL GAS OF KY 03-16	846041	BIG SANDY ASPHALT	0	0			

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Under Rate Schedule SST

Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

1/ Application of MDDOs, DDQs, and ADQs and/or minimum pressure and/or hourly flowrate shall be as follows:

FN01 THE MAXIMUM PRESSURE OBLIGATION AT STATION 829541 DURING THE MONTHS OF APRIL THROUGH OCTOBER SHALL BE 500 PSIG.

The following notes apply to all scheduling points on this contract:

GFN1 UNLESS STATION SPECIFIC MDDOS ARE SPECIFIED IN A SEPARATE FIRM SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER, TRANSPORTER'S AGGREGATE MAXIMUM DAILY DELIVERY OBLIGATION, UNDER THIS AND ANY OTHER SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER, AT THE STATIONS LISTED ABOVE SHALL NOT EXCEED THE MDDO QUANTITIES SET FORTH ABOVE FOR EACH STATION. IN ADDITION, TRANSPORTER SHALL NOT BE OBLIGATED ON ANY DAY TO DELIVER MORE THAN THE AGGREGATE DAILY QUANTITY (ADQ) LISTED BELOW FOR EACH SPECIFIED MARKET AREA. THE MARKET AREA IN WHICH EACH STATION IS LOCATED IS POSTED ON TRANSPORTER'S EBB AND INCORPORATED HEREIN BY REFERENCE. ANY STATION SPECIFIC MDDOS IN A SEPARATE FIRM SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER SHALL BE ADDITIVE BOTH TO THE INDIVIDUAL STATION MDDOS SET FORTH HEREIN (AND TO THE DESIGN DAILY QUANTITIES (DDQ) SET FORTH ABOVE), AND TO ANY APPLICABLE ADQ SET FORTH BELOW.

MARKET AREA	MARKET AREA NAME	AGGREGATE DAILY QUANTITY
10	CINCINNATI	28,379 DTH/D
11	ABERDEEN	8,115 DTH/D
12	LEXINGTON	168,508 DTH/D
13	MANCHESTER	3,613 DTH/D
14	WEST LIBERTY	129 DTH/D
10-14	ADQ FOR MARKET AREAS 10 THRU 14	174,861 DTH/D
15	PORTSMOUTH	13,910 DTH/D
16	LANCER	4,935 DTH/D
18	KENTUCKY MISCELLANEOUS	1,197 DTH/D
15-18	ADQ FOR MARKET AREAS 15,16, AND 18	16,019 DTH/D

SHIPPER HAS AGREED TO A 5,150 DTH/D REDUCTION IN MDDO AND DESIGN DAILY QUANTITY (DDQ) AT MS 829541 IN ORDER TO ENABLE FIRM TRANSPORTATION BY TRANSPORTER OF 5,150 DTH/D TO TOYOTA MOTOR MANUFACTURING USA. QUANTITIES SHOWN IN THIS AGREEMENT REFLECT THESE REDUCTIONS. UPON THE TERMINATION OF FTS AGREEMENT #38061 BETWEEN TRANSPORTER AND TOYOTA MOTOR MANUFACTURING USA, 5,150 DTH/D WILL BE RESTORED TO THE MDDO AND DDQ DISCUSSED IN THIS FOOTNOTE.

Revision No. 1

Control No. 2004-10-12-0009

Appendix A to Service Agreement No. 80160

Under Rate Schedule SST

Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

SHIPPER HAS AGREED TO A 1,030 DTH/D REDUCTION IN MDDO AND DESIGN DAILY QUANTITY (DDQ) AT MS 803602 IN ORDER TO ENABLE FIRM TRANSPORTATION BY TRANSPORTER OF 1,030 DTH/D TO MINNESOTA MINING AND MANUFACTURING. QUANTITIES SHOWN IN THIS AGREEMENT REFLECT THESE REDUCTIONS. UPON THE TERMINATION OF FTS AGREEMENT #44846 BETWEEN TRANSPORTER AND MINNESOTA MINING AND MANUFACTURING, 1,030 DTH/D WILL BE RESTORED TO THE MDDO AND DDQ DISCUSSED IN THIS FOOTNOTE.

Revision No. 1
Control No. 2004-10-12-0009

Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

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 receipt and delivery points.

Yes No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 42 of the General Terms and Conditions of Transporter's FERC Gas Tariff.

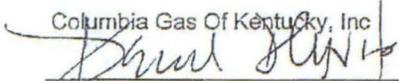
Yes No (Check applicable blank) Shipper has a contractual right of first refusal equivalent to the right of first refusal set forth from time to time in Section 4 of the General Terms and Conditions of Transporter's FERC Gas Tariff.

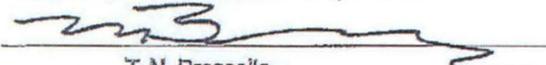
Service pursuant to this Appendix A, Revision No. 1 shall be effective November 1, 2004 through March 31, 2020.

Yes No (Check applicable blank) This Appendix A, Revision No. 1 shall cancel and supersede the Previous Appendix A, Revision No. 0 effective as of November 1, 2004, to the Service Agreement referenced above.

Yes No (Check applicable blank) All Gas shall be delivered at existing points of interconnection within the MDDO's, and/or ADQ's, and/or DDQ's, as applicable, set forth in Transporter's currently effective Rate Schedule Appendix A, Revision No. 0 with Shipper, which for such points set forth are incorporated herein by reference.

With the exception of this Appendix A, Revision No. 1 all other terms and conditions of said Service Agreement shall remain in full force and effect.

Columbia Gas Of Kentucky, Inc
By: 
Name: DANIEL D. GAVITO
Title: VP - ESS
Date: 1-12-05

Columbia Gas Transmission Corporation
By: 
Name: T. N. Brasselle
Title: MGR Customer Services
Date: JAN 18 2005

Revision No. 2
Control No. 2005-02-23-0031

Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

October through March Transportation Demand 190,880 Dth/Day

April through September Transportation Demand 95,440 Dth/Day

Primary Receipt Points

Scheduling Point No.	Scheduling Point Name		Maximum Daily Quantity (Dth/Day)
STOW	STORAGE WITHDRAWALS	STOW	190,880

Appendix A to Service Agreement No. 80160

Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) 1/	Design Daily Quantity (Dth/day) 1/	Aggregate 1/ Daily Quantity	Minimum Delivery Pressure Obligation (psig) 1/	Hourly Flowrate (Dth/hour) 1/
17-15	COL GAS OF KY 03-15	400137	CKY PAY GAS CONSUMERS	142	142			
17-16	COL GAS OF KY 03-16	400139	CKY PAY GAS CONSUMERS	159	159			
17-16	COL GAS OF KY 03-16	400141	CKY PAY GAS CONSUMERS	0	0			
17-15	COL GAS OF KY 03-15	400143	CKY PAY GAS CONSUMERS	134	134			
17-15	COL GAS OF KY 03-15	400145	CKY PAY GAS CONSUMERS	0	0			
17-15	COL GAS OF KY 03-15	400147	CKY PAY GAS CONSUMERS	83	83			
17-18	COL GAS OF KY 03-18	400149	CKY PAY GAS CONSUMERS	216	216			
17-16	COL GAS OF KY 03-16	400151	CKY PAY GAS CONSUMERS	43	43			
17-18	COL GAS OF KY 03-18	400153	CKY PAY GAS CONSUMERS	66	66			
17-18	COL GAS OF KY 03-18	400155	CKY PAY GAS CONSUMERS	24	24			
18-10	COL GAS OF KY 06-10	400157	CKY PAY GAS CONSUMERS	453	453			
18-13	COL GAS OF KY 06-13	400165	CKY PAY GAS CONSUMERS	21	21			
18-13	COL GAS OF KY 06-13	400167	CKY PAY GAS CONSUMERS	50	50			
18-12	COL GAS OF KY 06-12	400169	CKY PAY GAS CONSUMERS	110	110			
18-12	COL GAS OF KY 06-12	400173	CKY PAY GAS CONSUMERS	573	573			
18-14	COL GAS OF KY 06-14	400175	CKY PAY GAS CONSUMERS	10	10			
18-14	COL GAS OF KY 06-14	400177	CKY PAY GAS CONSUMERS	119	119			

Revision No. 2
Control No. 2005-02-23-0031

Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
17-18	COL GAS OF KY 03-18	400431	CKY PAY GAS CONSUMERS	0	0			
17-18	COL GAS OF KY 03-18	400461	CKY PAY GAS CONSUMERS	0	0			
17-18	COL GAS OF KY 03-18	400483	CKY PAY GAS CONSUMERS	0	0			
17-15	COL GAS OF KY 03-15	801584	ASHLAND OIL REF.	15,073	1,043		200	
17-15	COL GAS OF KY 03-15	803264	FULLERTON DP	1,071	888		100	
17-15	COL GAS OF KY 03-15	803423	FLATWOODS	274	274		200	
18-11	COL GAS OF KY 06-11	803523	MAYSVILLE D.P.	6,483	6,000		150	
18-12	COL GAS OF KY 06-12	803537	PHILIPS LIGHTING COMPANY	197	179		150	
18-10	COL GAS OF KY 06-10	803570	WALLOW TOOL & DIE COMPANY	30	18		50	
18-11	COL GAS OF KY 06-11	803585	WASHINGTON -HIGHLAND	89	89		150	
18-12	COL GAS OF KY 06-12	803599	MT. STERLING D.P.	4,208	4,200		400	
18-12	COL GAS OF KY 06-12	803600	CKY WINCHESTER	7,251	6,823		200	
18-12	COL GAS OF KY 06-12	803602	PARIS CYNTHIANA	12,008	6,970		275	
18-10	COL GAS OF KY 06-10	803618	FOSTER D P	58	58		50	
17-15	COL GAS OF KY 03-15	803759	DUPONT	335	0		200	
17-16	COL GAS OF KY 03-16	803769	LOUISA POD	699	699			
17-16	COL GAS OF KY 03-16	803770	LOUISA	113	112			

Revision No. 2
Control No. 2005-02-23-0031

Appendix A to Service Agreement No. 80160

Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) 1/	Design Daily Quantity (Dth/day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Hourly Flowrate (Dth/hour) 1/
17-18	COL GAS OF KY 03-18	803771	HAROLD-LAYNESVILLE	112	112			
17-18	COL GAS OF KY 03-18	803772	HAROLD-LAYNESVILLE	493	493			
17-15	COL GAS OF KY 03-15	803773	CKY ASHLAND 8TH STREET	7,726	4,666		50	
17-16	COL GAS OF KY 03-16	803775	LOUISA POD	1,171	1,000			
17-16	COL GAS OF KY 03-16	803782	LANCER	237	237			
17-15	COL GAS OF KY 03-15	803848	MARKWEST HYDROCARBON	788	49		100	
17-18	COL GAS OF KY 03-18	804127	CANEY CK. COMMUNITY	132	131			
17-16	COL GAS OF KY 03-16	804193	CALGON	3,143	1,627		50	
18-13	COL GAS OF KY 06-13	804301	CKY-IRVINE	3,453	3,453		150	
17-15	COL GAS OF KY 03-15	804313	WURTLAND D.P. (EM)	3,719	2,719		200	
17-15	COL GAS OF KY 03-15	804319	WESTWOOD	1,615	1,615		200	
17-15	COL GAS OF KY 03-15	804324	ASH.-BUCKLY RD.	485	257		50	
17-15	COL GAS OF KY 03-15	804329	GREENUP-UPPER RIGGS	77	30		200	
17-15	COL GAS OF KY 03-15	804345	GREENUP-LOWER RIGGS	251	198		200	
17-15	COL GAS OF KY 03-15	804373	GREENUP-UPPER RIGGS	71	71		200	
17-15	COL GAS OF KY 03-15	804374	GREENUP-CENTER RIGGS	62	62		200	
17-15	COL GAS OF KY 03-15	804375	FLATWOODS	139	133		200	

Revision No. 2
Control No. 2005-02-23-0031

Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
17-15	COL GAS OF KY 03-15	804379	RACELAND-POPLA R HGTS.	83	39		200	
18-12	COL GAS OF KY 06-12	804399	BYBEE POTTERY	27	14		150	
17-15	COL GAS OF KY 03-15	804423	GREENUP CENTER	145	103		200	
18-11	COL GAS OF KY 06-11	804451	WASHINGTON - MAIN TAP	1,700	1,700		150	
17-16	COL GAS OF KY 03-16	804517	BRANDY KEG CK.	21	12			
17-15	COL GAS OF KY 03-15	804711	ASH-FRIENDSHIP RD.	777	405		50	
17-16	COL GAS OF KY 03-16	804767	MARTIN GAS CO.	47	32			
17-18	COL GAS OF KY 03-18	804779	KNOTT CO. BD. OF EDUC.	29	29			
18-11	COL GAS OF KY 06-11	804940	MAYSVILLE EAST TAP	53	51		150	
17-16	COL GAS OF KY 03-16	804949	INTERNATIONAL NICKEL	2,020	272		50	
17-16	COL GAS OF KY 03-16	804954	MIKE LITTLE GAS CO.	132	122		50	
18-12	COL GAS OF KY 06-12	805095	LEXINGTON MUTH	79,547	65,846		250	
18-11	COL GAS OF KY 06-11	805158	GERMANTOWN	276	275		150	
17-15	COL GAS OF KY 03-15	805174	CANNONSBURG	343	343		40	
18-12	COL GAS OF KY 06-12	805233	CIRCUIT COURT	1,069	984		200	
18-10	COL GAS OF KY 06-10	805258	CKY-STEPSTONE	3,511	3,000		400	
18-12	COL GAS OF KY 06-12	805460	WINCHESTER RT. 89	5,739	4,371		200	

Revision No. 2

Control No. 2005-02-23-0031

Appendix A to Service Agreement No. 80160

Under Rate Schedule SST

Between (Transporter) Columbia Gas Transmission Corporation

and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
18-12	COL GAS OF KY 06-12	805544	WACO -BYBEE	0	261		150	
18-12	COL GAS OF KY 06-12	805546	AVON-CLINTONVILL E	407	407		150	
17-15	COL GAS OF KY 03-15	805609	SUMMIT CITY	354	335		50	
17-15	COL GAS OF KY 03-15	805633	BELHAVEN	212	212		200	
17-15	COL GAS OF KY 03-15	805676	HILLCREST APTS.	137	57		50	
17-16	COL GAS OF KY 03-16	805682	AMERICAN STANDARD	213	68			
17-18	COL GAS OF KY 03-18	805686	PIPPA PASSES	12	11			
18-12	COL GAS OF KY 06-12	805776	ATHENS	132	131		250	
17-15	COL GAS OF KY 03-15	805815	BRUCE APTS.	36	34		50	
18-12	COL GAS OF KY 06-12	805968	YEISER, INC...	62	60		200	
17-18	COL GAS OF KY 03-18	814637	ALICE LLOYD COLLEGE	54	45			
17-15	COL GAS OF KY 03-15	814791	AMETEK CORP.	37	16		200	
18-12	COL GAS OF KY 06-12	817712	HILLCREST SUBDIVISION	136	136		150	
18-12	COL GAS OF KY 06-12	817714	YORKTOWN MOBILE HOME	53	51		150	
18-12	COL GAS OF KY 06-12	817715	KERRS MOBILE HOME PARK LINE KH	24	24		150	
18-12	COL GAS OF KY 06-12	817716	WAYLAND AVE. D.P.	46	46		150	

Revision No. 2
Control No. 2005-02-23-0031

Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
18-12	COL GAS OF KY 06-12	817717	JUDIANA & ROCKWELL	210	127		200	
18-12	COL GAS OF KY 06-12	817718	BOONE VILLAGE	72	72		250	
18-12	COL GAS OF KY 06-12	817719	COUNTRY CLUB HTS.	47	47		150	
18-13	COL GAS OF KY 06-13	817720	WINSTON D.P. LINE	89	89		150	
18-12	COL GAS OF KY 06-12	817721	UNION CITY D.P.	54	54		150	
17-18	COL GAS OF KY 03-18	817722	GREEN MEADOWS D.P.	70	70			
17-16	COL GAS OF KY 03-16	820005	EAST KENTUCKY PAVING	796	0			
18-12	COL GAS OF KY 06-12	820375	LEXINGTON	87,255	83,913		250	
18-12	COL GAS OF KY 06-12	823283	WINCHESTER FARMS DAIRY CO.	2,000	1,300		200	
17-16	COL GAS OF KY 03-16	823289	SOUTH WILLIAMSON D.P.	643	519			
17-16	COL GAS OF KY 03-16	828673	MARTIN HOUSING AUTHORITY	36	33			
18-10	COL GAS OF KY 06-10	829541	LAKE CARNICO	40,000	24,850	FN01	600	
18-12	COL GAS OF KY 06-12	832885	SOUTHERN HILLS SUBDIVISION	0	0			
18-11	COL GAS OF KY 06-11	834119	MAYSVILLE MATERIALS	825	0		150	
18-11	COL GAS OF KY 06-11	834288	MAYSVILLE INDUSTRIAL	400	200		200	
17-15	COL GAS OF KY 03-15	838145	MARATHON ASHLAND	2,000			260	
17-16	COL GAS OF KY 03-16	846041	BIG SANDY ASPHALT	0	0			

Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

1/ Application of MDDOs, DDQs, and ADQs and/or minimum pressure and/or hourly flowrate shall be as follows:

FN01 THE MAXIMUM PRESSURE OBLIGATION AT STATION 829541 DURING THE MONTHS OF APRIL THROUGH OCTOBER SHALL BE 500 PSIG.

The following notes apply to all scheduling points on this contract:

GFN1 UNLESS STATION SPECIFIC MDDOS ARE SPECIFIED IN A SEPARATE FIRM SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER, TRANSPORTER'S AGGREGATE MAXIMUM DAILY DELIVERY OBLIGATION, UNDER THIS AND ANY OTHER SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER, AT THE STATIONS LISTED ABOVE SHALL NOT EXCEED THE MDDO QUANTITIES SET FORTH ABOVE FOR EACH STATION. IN ADDITION, TRANSPORTER SHALL NOT BE OBLIGATED ON ANY DAY TO DELIVER MORE THAN THE AGGREGATE DAILY QUANTITY (ADQ) LISTED BELOW FOR EACH SPECIFIED MARKET AREA. THE MARKET AREA IN WHICH EACH STATION IS LOCATED IS POSTED ON TRANSPORTER'S EBB AND INCORPORATED HEREIN BY REFERENCE. ANY STATION SPECIFIC MDDOS IN A SEPARATE FIRM SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER SHALL BE ADDITIVE BOTH TO THE INDIVIDUAL STATION MDDOS SET FORTH HEREIN (AND TO THE DESIGN DAILY QUANTITIES (DDQ) SET FORTH ABOVE), AND TO ANY APPLICABLE ADQ SET FORTH BELOW.

MARKET AREA	MARKET AREA NAME	AGGREGATE DAILY QUANTITY
10	CINCINNATI	28,379 DTH/D
11	ABERDEEN	8,115 DTH/D
12	LEXINGTON	168,508 DTH/D
13	MANCHESTER	3,613 DTH/D
14	WEST LIBERTY	129 DTH/D
10-14	MARKET AREAS 10 THRU 14	174,861 DTH/D
15	PORTSMOUTH	13,910 DTH/D
16	LANCER	4,935 DTH/D
18	KENTUCKY MISCELLANEOUS	1,197 DTH/D
15-18	MARKET AREAS 15, 16, AND 18	16,019 DTH/D

SHIPPER HAS AGREED TO A 5,150 DTH/D REDUCTION IN MDDO AND DESIGN DAILY QUANTITY (DDQ) AT MS 829541 IN ORDER TO ENABLE FIRM TRANSPORTATION BY TRANSPORTER OF 5,150 DTH/D TO TOYOTA MOTOR MANUFACTURING USA. QUANTITIES SHOWN IN THIS AGREEMENT REFLECT THESE REDUCTIONS. UPON THE TERMINATION OF FTS AGREEMENT #79400 BETWEEN TRANSPORTER AND TOYOTA MOTOR MANUFACTURING USA, 5,150 DTH/D WILL BE RESTORED TO THE MDDO AND DDQ DISCUSSED IN THIS FOOTNOTE. SHIPPER HAS AGREED TO A 1,030 DTH/D REDUCTION IN MDDO AND DESIGN DAILY QUANTITY (DDQ) AT MS 803602 IN ORDER TO ENABLE FIRM TRANSPORTATION BY TRANSPORTER OF 1,030 DTH/D TO

Revision No. 2

Control No. 2005-02-23-0031

Appendix A to Service Agreement No. 80160

Under Rate Schedule SST

Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

MINNESOTA MINING AND MANUFACTURING. QUANTITIES SHOWN IN THIS AGREEMENT REFLECT THESE REDUCTIONS. UPON THE TERMINATION OF FTS AGREEMENT #81262 BETWEEN TRANSPORTER AND MINNESOTA MINING AND MANUFACTURING, 1,030 DTH/D WILL BE RESTORED TO THE MDDO AND DDQ DISCUSSED IN THIS FOOTNOTE.

Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

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 receipt and delivery points.

Yes No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 42 of the General Terms and Conditions of Transporter's FERC Gas Tariff.

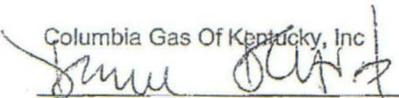
Yes No (Check applicable blank) Shipper has a contractual right of first refusal equivalent to the right of first refusal set forth from time to time in Section 4 of the General Terms and Conditions of Transporter's FERC Gas Tariff.

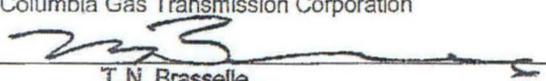
Service pursuant to this Appendix A, Revision No. 2 shall be effective April 1, 2005 through March 31, 2020.

Yes No (Check applicable blank) This Appendix A, Revision No. 2 shall cancel and supersede the Previous Appendix A, Revision No. 1 effective as of November 1, 2004, to the Service Agreement referenced above.

Yes No (Check applicable blank) All Gas shall be delivered at existing points of interconnection within the MDDO's, and/or ADQ's, and/or DDQ's, as applicable, set forth in Transporter's currently effective Rate Schedule Appendix A, Revision No. 0 with Shipper, which for such points set forth are incorporated herein by reference.

With the exception of this Appendix A, Revision No. 2 all other terms and conditions of said Service Agreement shall remain in full force and effect.

By: 
Name: Daniel D. Gavito
Title: V.P. Energy Supply Services
Date: 3/23/05

Columbia Gas Transmission Corporation
By: 
Name: T. N. Brasselle
Title: MGR Customer Services
Date: MAR 30 2005

Revision No. 3
Control No. 2006-01-23-0032

Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

October through March Transportation Demand 190,880

April through September Transportation Demand 95,440

Primary Receipt Points

Scheduling Point No.	Scheduling Point Name		Maximum Daily Quantity (Dth/Day)
STOW	STORAGE WITHDRAWALS	STOW	190,880

Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) 1/	Design Daily Quantity (Dth/day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Hourly Flowrate (Dth/hour) 1/
17-15	COL GAS OF KY 03-15	400137	CKY PAY GAS CONSUMERS	142	142			
17-16	COL GAS OF KY 03-16	400139	CKY PAY GAS CONSUMERS	159	159			
17-16	COL GAS OF KY 03-16	400141	CKY PAY GAS CONSUMERS	0	0			
17-15	COL GAS OF KY 03-15	400143	CKY PAY GAS CONSUMERS	134	134			
17-15	COL GAS OF KY 03-15	400145	CKY PAY GAS CONSUMERS	0	0			
17-15	COL GAS OF KY 03-15	400147	CKY PAY GAS CONSUMERS	83	83			
17-18	COL GAS OF KY 03-18	400149	CKY PAY GAS CONSUMERS	216	216			
17-16	COL GAS OF KY 03-16	400151	CKY PAY GAS CONSUMERS	43	43			
17-18	COL GAS OF KY 03-18	400153	CKY PAY GAS CONSUMERS	66	66			
17-18	COL GAS OF KY 03-18	400155	CKY PAY GAS CONSUMERS	24	24			
18-10	COL GAS OF KY 06-10	400157	CKY PAY GAS CONSUMERS	453	453			
18-13	COL GAS OF KY 06-13	400165	CKY PAY GAS CONSUMERS	21	21			
18-13	COL GAS OF KY 06-13	400167	CKY PAY GAS CONSUMERS	50	50			
18-12	COL GAS OF KY 06-12	400169	CKY PAY GAS CONSUMERS	110	110			
18-12	COL GAS OF KY 06-12	400173	CKY PAY GAS CONSUMERS	573	573			
18-14	COL GAS OF KY 06-14	400175	CKY PAY GAS CONSUMERS	10	10			
18-14	COL GAS OF KY 06-14	400177	CKY PAY GAS CONSUMERS	119	119			

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Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
17-18	COL GAS OF KY 03-18	400431	CKY PAY GAS CONSUMERS	0	0			
17-18	COL GAS OF KY 03-18	400461	CKY PAY GAS CONSUMERS	0	0			
17-18	COL GAS OF KY 03-18	400483	CKY PAY GAS CONSUMERS	0	0			
17-15	COL GAS OF KY 03-15	801584	ASHLAND OIL REF.	15,073	1,043		200	
17-15	COL GAS OF KY 03-15	803264	FULLERTON DP	1,071	888		100	
17-15	COL GAS OF KY 03-15	803423	FLATWOODS	274	274		200	
18-11	COL GAS OF KY 06-11	803523	MAYSVILLE D.P.	6,483	6,000		150	
18-12	COL GAS OF KY 06-12	803537	PHILIPS LIGHTING COMPANY	197	179		150	
18-10	COL GAS OF KY 06-10	803570	WALLOW TOOL & DIE COMPANY	30	18		50	
18-11	COL GAS OF KY 06-11	803585	WASHINGTON -HIGHLAND	89	89		150	
18-12	COL GAS OF KY 06-12	803599	MT. STERLING D.P.	4,208	4,200		400	
18-12	COL GAS OF KY 06-12	803600	CKY WINCHESTER	7,251	6,823		200	
18-12	COL GAS OF KY 06-12	803602	PARIS CYNTHIANA	12,008	6,970		275	
18-10	COL GAS OF KY 06-10	803618	FOSTER D P	58	58		50	
17-15	COL GAS OF KY 03-15	803759	DUPONT	335	0		200	
17-16	COL GAS OF KY 03-16	803769	LOUISA POD	699	699			
17-16	COL GAS OF KY 03-16	803770	LOUISA	113	112			

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Between (Transporter) Columbia Gas Transmission Corporation
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Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
17-18	COL GAS OF KY 03-18	803771	HAROLD-LAYNESVILLE	112	112			
17-18	COL GAS OF KY 03-18	803772	HAROLD-LAYNESVILLE	493	493			
17-15	COL GAS OF KY 03-15	803773	CKY ASHLAND 8TH STREET	7,726	4,666		50	
17-16	COL GAS OF KY 03-16	803775	LOUISA POD	1,171	1,000			
17-16	COL GAS OF KY 03-16	803782	LANCER	237	237			
17-15	COL GAS OF KY 03-15	803848	MARKWEST HYDROCARBON	788	49		100	
17-18	COL GAS OF KY 03-18	804127	CANEY CK. COMMUNITY	132	131			
17-16	COL GAS OF KY 03-16	804193	CALGON	3,143	1,627		50	
18-13	COL GAS OF KY 06-13	804301	CKY-IRVINE	3,453	3,453		150	
17-15	COL GAS OF KY 03-15	804313	WURLAND D.P. (EM)	3,719	2,719		200	
17-15	COL GAS OF KY 03-15	804319	WESTWOOD	1,615	1,615		200	
17-15	COL GAS OF KY 03-15	804324	ASH.-BUCKLY RD.	485	257		50	
17-15	COL GAS OF KY 03-15	804329	GREENUP-UPPER RIGGS	77	30		200	
17-15	COL GAS OF KY 03-15	804345	GREENUP-LOWER RIGGS	251	198		200	
17-15	COL GAS OF KY 03-15	804373	GREENUP-UPPER RIGGS	71	71		200	
17-15	COL GAS OF KY 03-15	804374	GREENUP-CENTER RIGGS	62	62		200	
17-15	COL GAS OF KY 03-15	804375	FLATWOODS	139	133		200	

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Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
17-15	COL GAS OF KY 03-15	804379	RACELAND-POPLA R HGTS.	83	39		200	
18-12	COL GAS OF KY 06-12	804399	BYBEE POTTERY	27	14		150	
17-15	COL GAS OF KY 03-15	804423	GREENUP CENTER	145	103		200	
18-11	COL GAS OF KY 06-11	804451	WASHINGTON - MAIN TAP	1,700	1,700		150	
17-16	COL GAS OF KY 03-16	804517	BRANDY KEG CK.	21	12			
17-15	COL GAS OF KY 03-15	804711	ASH-FRIENDSHIP. RD.	777	405		50	
17-16	COL GAS OF KY 03-16	804767	MARTIN GAS CO.	47	32			
17-18	COL GAS OF KY 03-18	804779	KNOTT CO. BD. OF EDUC.	29	29			
18-11	COL GAS OF KY 06-11	804940	MAYSVILLE EAST TAP	53	51		150	
17-16	COL GAS OF KY 03-16	804949	INTERNATIONAL NICKEL	2,020	272		50	
17-16	COL GAS OF KY 03-16	804954	MIKE LITTLE GAS CO.	132	122		50	
18-12	COL GAS OF KY 06-12	805095	LEXINGTON MUTH	79,547	65,846		250	
18-11	COL GAS OF KY 06-11	805158	GERMANTOWN	276	275		150	
17-15	COL GAS OF KY 03-15	805174	CANNONSBURG	343	343		40	
18-12	COL GAS OF KY 06-12	805233	CIRCUIT COURT	1,069	984		200	
18-10	COL GAS OF KY 06-10	805258	CKY-STEPSTONE	3,511	3,000		400	
18-12	COL GAS OF KY 06-12	805460	WINCHESTER RT. 89	5,739	4,371		200	

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Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) 1/	Design Daily Quantity (Dth/day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Hourly Flowrate (Dth/hour) 1/
18-12	COL GAS OF KY 06-12	805544	WACO -BYBEE	0	261		150	
18-12	COL GAS OF KY 06-12	805546	AVON-CLINTONVILL E	407	407		150	
17-15	COL GAS OF KY 03-15	805609	SUMMIT CITY	354	335		50	
17-15	COL GAS OF KY 03-15	805633	BELHAVEN	212	212		200	
17-15	COL GAS OF KY 03-15	805676	HILLCREST APTS.	137	57		50	
17-16	COL GAS OF KY 03-16	805682	AMERICAN STANDARD	213	68			
17-18	COL GAS OF KY 03-18	805686	PIPPA PASSES	12	11			
18-12	COL GAS OF KY 06-12	805776	ATHENS	132	131		250	
17-15	COL GAS OF KY 03-15	805815	BRUCE APTS.	36	34		50	
18-12	COL GAS OF KY 06-12	805968	YEISER, INC...	62	60		200	
17-18	COL GAS OF KY 03-18	814637	ALICE LLOYD COLLEGE	54	45			
17-15	COL GAS OF KY 03-15	814791	AMETEK CORP.	37	16		200	
18-12	COL GAS OF KY 06-12	817712	HILLCREST SUBDIVISION	136	136		150	
18-12	COL GAS OF KY 06-12	817714	YORKTOWN MOBILE HOME	53	51		150	
18-12	COL GAS OF KY 06-12	817715	KERRS MOBILE HOME PARK LINE KH	24	24		150	
18-12	COL GAS OF KY 06-12	817716	WAYLAND AVE. D.P.	46	46		150	

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Between (Transporter) Columbia Gas Transmission Corporation
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Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) 1/	Design Daily Quantity (Dth/day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Hourly Flowrate (Dth/hour) 1/
18-12	COL GAS OF KY 06-12	817717	JUDIANA & ROCKWELL	210	127		200	
18-12	COL GAS OF KY 06-12	817718	BOONE VILLAGE	72	72		250	
18-12	COL GAS OF KY 06-12	817719	COUNTRY CLUB HTS.	47	47		150	
18-13	COL GAS OF KY 06-13	817720	WINSTON D.P. LINE	89	89		150	
18-12	COL GAS OF KY 06-12	817721	UNION CITY D.P.	54	54		150	
17-18	COL GAS OF KY 03-18	817722	GREEN MEADOWS D.P.	70	70			
17-16	COL GAS OF KY 03-16	820005	EAST KENTUCKY PAVING	796	0			
18-12	COL GAS OF KY 06-12	820375	LEXINGTON	87,255	83,913		250	
18-12	COL GAS OF KY 06-12	823283	WINCHESTER FARMS DAIRY CO.	2,000	1,300		200	
17-16	COL GAS OF KY 03-16	823289	SOUTH WILLIAMSON D.P.	643	519			
17-16	COL GAS OF KY 03-16	828673	MARTIN HOUSING AUTHORITY	36	33			
18-10	COL GAS OF KY 06-10	829541	LAKE CARNICO	40,000	24,850	FN01	500	
18-12	COL GAS OF KY 06-12	832885	SOUTHERN HILLS SUBDIVISION	0	0			
18-11	COL GAS OF KY 06-11	834119	MAYSVILLE MATERIALS	825	0		150	
18-11	COL GAS OF KY 06-11	834288	MAYSVILLE INDUSTRIAL	400	200		200	
17-15	COL GAS OF KY 03-15	838145	MARATHON LINE U	2,000	0		260	
17-16	COL GAS OF KY 03-16	846041	BIG SANDY ASPHALT	0	0			

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Under Rate Schedule SST

Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

1/ Application of MDDOs, DDQs, and ADQs and/or minimum pressure and/or hourly flowrate shall be as follows:

FN01 During the months of November through March, a minimum pressure of 750 psig shall apply at MS 829541 (Lake Carnico) whenever the forecasted low temperature used by Transporter's Gas Control department for the Lexington, Ky area is 20 degrees F or lower. Regardless of the forecasted temperature, if the actual temperature in the Lexington area should fall below 20 degrees, Transporter will provide, to the extent operationally feasible, a minimum pressure of 750 psig at MS 829541. At forecasted low temperatures above 20 degrees F, a minimum pressure of 600 psig shall apply at MS 829541.

The following notes apply to all scheduling points on this contract:

GFN1 UNLESS STATION SPECIFIC MDDOS ARE SPECIFIED IN A SEPARATE FIRM SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER, TRANSPORTER'S AGGREGATE MAXIMUM DAILY DELIVERY OBLIGATION, UNDER THIS AND ANY OTHER SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER, AT THE STATIONS LISTED ABOVE SHALL NOT EXCEED THE MDDO QUANTITIES SET FORTH ABOVE FOR EACH STATION. IN ADDITION, TRANSPORTER SHALL NOT BE OBLIGATED ON ANY DAY TO DELIVER MORE THAN THE AGGREGATE DAILY QUANTITY (ADQ) LISTED BELOW FOR EACH SPECIFIED MARKET AREA. THE MARKET AREA IN WHICH EACH STATION IS LOCATED IS POSTED ON TRANSPORTER'S EBB AND INCORPORATED HEREIN BY REFERENCE. ANY STATION SPECIFIC MDDOS IN A SEPARATE FIRM SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER SHALL BE ADDITIVE BOTH TO THE INDIVIDUAL STATION MDDOS SET FORTH HEREIN (AND TO THE DESIGN DAILY QUANTITIES (DDQ) SET FORTH ABOVE), AND TO ANY APPLICABLE ADQ SET FORTH BELOW.

MARKET AREA	MARKET AREA NAME	AGGREGATE DAILY QUANTITY
10	CINCINNATI	28,379 DTH/D
11	ABERDEEN	8,115 DTH/D
12	LEXINGTON	168,508 DTH/D
13	MANCHESTER	3,613 DTH/D
14	WEST LIBERTY	129 DTH/D
10-14	MARKET AREAS 10 THRU 14	174,861 DTH/D
15	PORTSMOUTH	13,910 DTH/D
16	LANCER	4,935 DTH/D
18	KENTUCKY MISCELLANEOUS	1,197 DTH/D
15-18	MARKET AREAS 15, 16, AND 18	16,019 DTH/D

SHIPPER HAS AGREED TO A 5,150 DTH/D REDUCTION IN MDDO AND DESIGN DAILY QUANTITY (DDQ) AT MS 829541 IN

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Under Rate Schedule SST

Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

ORDER TO ENABLE FIRM TRANSPORTATION BY TRANSPORTER OF 5,150 DTH/D TO TOYOTA MOTOR MANUFACTURING USA. QUANTITIES SHOWN IN THIS AGREEMENT REFLECT THESE REDUCTIONS. UPON THE TERMINATION OF FTS AGREEMENT #79400 BETWEEN TRANSPORTER AND TOYOTA MOTOR MANUFACTURING USA, 5,150 DTH/D WILL BE RESTORED TO THE MDDO AND DDQ DISCUSSED IN THIS FOOTNOTE. SHIPPER HAS AGREED TO A 1,030 DTH/D REDUCTION IN MDDO AND DESIGN DAILY QUANTITY (DDQ) AT MS 803602 IN ORDER TO ENABLE FIRM TRANSPORTATION BY TRANSPORTER OF 1,030 DTH/D TO MINNESOTA MINING AND MANUFACTURING. QUANTITIES SHOWN IN THIS AGREEMENT REFLECT THESE REDUCTIONS. UPON THE TERMINATION OF FTS AGREEMENT #81262 BETWEEN TRANSPORTER AND MINNESOTA MINING AND MANUFACTURING, 1,030 DTH/D WILL BE RESTORED TO THE MDDO AND DDQ DISCUSSED IN THIS FOOTNOTE.

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Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

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 receipt and delivery points.

Yes No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 42 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.

Service pursuant to this Appendix A, Revision No. 3 shall be effective November 1, 2004 through March 31, 2020.

Yes No (Check applicable blank) This Appendix A, Revision No. 3 shall cancel and supersede the Previous Appendix A, Revision No. 2 effective as of April 1, 2005, to the Service Agreement referenced above.

Yes No (Check applicable blank) All Gas shall be delivered at existing points of interconnection within the MDDO's, and/or ADQ's, and/or DDQ's, as applicable, set forth in Transporter's currently effective Rate Schedule Appendix A, Revision No. 0 with Shipper, which for such points set forth are incorporated herein by reference.

With the exception of this Appendix A, Revision No. 3 all other terms and conditions of said Service Agreement shall remain in full force and effect.

Columbia Gas Of Kentucky, Inc

By: *Michael P. Watson*
Name: Michael P. Watson
Title: VICE PRESIDENT
Date: 2/29/06

Columbia Gas Transmission Corporation

By: *Jane A. Adkins*
Name: J.A. Adkins
Title: MGR Customer Services
Date: MAR 31 2006

SERVICE AGREEMENT NO.
CONTROL NO.

80160
2004-05-24-0001

SST SERVICE AGREEMENT

THIS AGREEMENT, made and entered into this 11th day of October, 2004, by and between:

Columbia Gas Transmission Corporation
("Transporter")
AND
Columbia Gas Of 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 service in accordance with the provisions of the effective SST Rate Schedule and applicable General Terms and Conditions of Transporter's FERC Gas Tariff, Second 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. The maximum obligation 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 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. Service hereunder shall be provided subject to the provisions of Part 284. 223 of Subpart G of the Commission's regulations. Shipper warrants that service hereunder is being provided on behalf of Shipper.

Section 2. Term. Service under this Agreement shall commence as of November 1, 2004, and shall continue in full force and effect until March 31, 2020. Pre-granted abandonment shall apply 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 Transporter the charges and furnish 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; and 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). In addition, the discount agreement may include a provision that if one rate component which was at or below the applicable maximum rate at the time the discount agreement was executed subsequently exceeds the applicable maximum rate due to a change in Transporter's maximum rate so that such rate component must be adjusted downward to equal the new applicable maximum rate, then other rate components may be adjusted upward to achieve the agreed overall rate, so long as none of the resulting rate components exceed the maximum rate applicable to that rate component. Such changes to rate components shall be applied prospectively, commencing with the date a Commission order accepts revised tariff sheets. However, nothing contained herein shall be construed to alter a refund obligation under applicable law for any period during which rates had been charged under a discount agreement exceeded rates which ultimately are found to be just and reasonable.

SERVICE AGREEMENT NO. 80160
CONTROL NO. 2004-05-24-0001

SST SERVICE AGREEMENT

Section 4. Notices. Notices to Transporter under this Agreement shall be addressed to it at Post Office Box 1273, Charleston, West Virginia 25325-1273, Attention: Manager – Customer Services and notices to Shipper shall be addressed to it at:

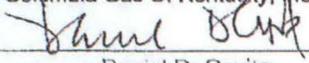
Columbia Gas Of Kentucky, Inc
200 Civic Center Drive
P. O. Box 117
Columbus, OH 43216-0117
ATTN: Scott Phelps

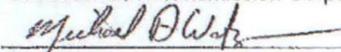
until changed by either party by written notice.

SERVICE AGREEMENT NO. 80160
CONTROL NO. 2004-05-24-0001

SST SERVICE AGREEMENT

Section 5. Superseded Agreements. This Service Agreement supersedes and cancels, as of the effective date hereof, the following Service Agreements: SST 38093.

Columbia Gas Of Kentucky, Inc
By:  NB/2004
Name: Daniel D. Gavito
Title: V.P. Energy Supply Services
Date: 10-5-04

Columbia Gas Transmission Corporation
By: 
Name: Michael D. Watson
Title: V.P.-Pricing & Volume Management
Date: October 7, 2004

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Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

October through March Transportation Demand 190,880 Dth/Day

April through September Transportation Demand 95,440 Dth/Day

Primary Receipt Points

Scheduling Point No.	Scheduling Point Name		Maximum Daily Quantity (Dth/Day)
STOW	STORAGE WITHDRAWALS	STOW	190,880

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Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) 1/	Design Daily Quantity (Dth/day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Hourly Flowrate (Dth/hour) 1/
17-15	COL GAS OF KY 03-15	400137	CKY PAY GAS CONSUMERS	142	142			
17-16	COL GAS OF KY 03-16	400139	CKY PAY GAS CONSUMERS	159	159			
17-16	COL GAS OF KY 03-16	400141	CKY PAY GAS CONSUMERS	0	0			
17-15	COL GAS OF KY 03-15	400143	CKY PAY GAS CONSUMERS	134	134			
17-15	COL GAS OF KY 03-15	400145	CKY PAY GAS CONSUMERS	0	0			
17-15	COL GAS OF KY 03-15	400147	CKY PAY GAS CONSUMERS	83	83			
17-18	COL GAS OF KY 03-18	400149	CKY PAY GAS CONSUMERS	216	216			
17-16	COL GAS OF KY 03-16	400151	CKY PAY GAS CONSUMERS	43	43			
17-18	COL GAS OF KY 03-18	400153	CKY PAY GAS CONSUMERS	66	66			
17-18	COL GAS OF KY 03-18	400155	CKY PAY GAS CONSUMERS	24	24			
18-10	COL GAS OF KY 06-10	400157	CKY PAY GAS CONSUMERS	453	453			
18-13	COL GAS OF KY 06-13	400165	CKY PAY GAS CONSUMERS	21	21			
18-13	COL GAS OF KY 06-13	400167	CKY PAY GAS CONSUMERS	50	50			
18-12	COL GAS OF KY 06-12	400169	CKY PAY GAS CONSUMERS	110	110			
18-12	COL GAS OF KY 06-12	400173	CKY PAY GAS CONSUMERS	573	573			
18-14	COL GAS OF KY 06-14	400175	CKY PAY GAS CONSUMERS	10	10			
18-14	COL GAS OF KY 06-14	400177	CKY PAY GAS CONSUMERS	119	119			

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Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) 1/	Design Daily Quantity (Dth/day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Hourly Flowrate (Dth/hour) 1/
17-18	COL GAS OF KY 03-18	400431	CKY PAY GAS CONSUMERS	0	0			
17-18	COL GAS OF KY 03-18	400461	CKY PAY GAS CONSUMERS	0	0			
17-18	COL GAS OF KY 03-18	400483	CKY PAY GAS CONSUMERS	0	0			
17-15	COL GAS OF KY 03-15	801584	ASHLAND OIL REF.	17,073	1,043		200	
17-15	COL GAS OF KY 03-15	803264	FULLERTON DP	1,071	888		100	
17-15	COL GAS OF KY 03-15	803423	FLATWOODS	274	274		200	
18-11	COL GAS OF KY 06-11	803523	MAYSVILLE D.P.	6,483	6,000		150	
18-12	COL GAS OF KY 06-12	803537	PHILIPS LIGHTING COMPANY	197	179		150	
18-10	COL GAS OF KY 06-10	803570	WALLOW TOOL & DIE COMPANY	30	18		50	
18-11	COL GAS OF KY 06-11	803585	WASHINGTON -HIGHLAND	89	89		150	
18-12	COL GAS OF KY 06-12	803599	MT. STERLING D.P.	4,208	4,200		400	
18-12	COL GAS OF KY 06-12	803600	CKY WINCHESTER	7,251	6,823		200	
18-12	COL GAS OF KY 06-12	803602	PARIS CYNTHIANA	12,008	6,970		275	
18-10	COL GAS OF KY 06-10	803618	FOSTER D P	58	58		50	
17-15	COL GAS OF KY 03-15	803759	DUPONT	335	0		200	
17-16	COL GAS OF KY 03-16	803769	LOUISA POD	699	699			
17-16	COL GAS OF KY 03-16	803770	LOUISA	113	112			

Revision No.

Control No. 2004-05-24-0001

Appendix A to Service Agreement No. 80160

Under Rate Schedule SST

Between (Transporter) Columbia Gas Transmission Corporation

and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
17-18	COL GAS OF KY 03-18	803771	HAROLD-LAYNESVILLE	112	112			
17-18	COL GAS OF KY 03-18	803772	HAROLD-LAYNESVILLE	493	493			
17-15	COL GAS OF KY 03-15	803773	CKY ASHLAND 8TH STREET	7,726	4,666		50	
17-16	COL GAS OF KY 03-16	803775	LOUISA POD	1,171	1,000			
17-16	COL GAS OF KY 03-16	803782	LANCER	237	237			
17-15	COL GAS OF KY 03-15	803848	MARKWEST HYDROCARBON	788	49		100	
17-18	COL GAS OF KY 03-18	804127	CANEY CK. COMMUNITY	132	131			
17-16	COL GAS OF KY 03-16	804193	CALGON	3,143	1,627		50	
18-13	COL GAS OF KY 06-13	804301	CKY-IRVINE	3,453	3,453		150	
17-15	COL GAS OF KY 03-15	804313	WURLAND D.P. (EM)	3,719	2,719		200	
17-15	COL GAS OF KY 03-15	804319	WESTWOOD	1,615	1,615		200	
17-15	COL GAS OF KY 03-15	804324	ASH-BUCKLY RD.	485	257		50	
17-15	COL GAS OF KY 03-15	804329	GREENUP-UPPER RIGGS	77	30		200	
17-15	COL GAS OF KY 03-15	804345	GREENUP-LOWER RIGGS	251	198		200	
17-15	COL GAS OF KY 03-15	804373	GREENUP-UPPER RIGGS	71	71		200	
17-15	COL GAS OF KY 03-15	804374	GREENUP-CENTER RIGGS	62	62		200	
17-15	COL GAS OF KY 03-15	804375	FLATWOODS	139	133		200	

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Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
17-15	COL GAS OF KY 03-15	804379	RACELAND-POPLA R HGTS.	83	39		200	
18-12	COL GAS OF KY 06-12	804399	BYBEE POTTERY	27	14		150	
17-15	COL GAS OF KY 03-15	804423	GREENUP CENTER	145	103		200	
18-11	COL GAS OF KY 06-11	804451	WASHINGTON - MAIN TAP	1,700	1,700		150	
17-16	COL GAS OF KY 03-16	804517	BRANDY KEG CK.	21	12			
17-15	COL GAS OF KY 03-15	804711	ASH-FRIENDSHIP RD.	777	405		50	
17-16	COL GAS OF KY 03-16	804767	MARTIN GAS CO.	47	32			
17-18	COL GAS OF KY 03-18	804779	KNOTT CO. BD. OF EDUC.	29	29			
18-11	COL GAS OF KY 06-11	804940	MAYSVILLE EAST TAP	53	51		150	
17-16	COL GAS OF KY 03-16	804949	INTERNATIONAL NICKEL	2,020	272		50	
17-16	COL GAS OF KY 03-16	804954	MIKE LITTLE GAS CO.	132	122		50	
18-12	COL GAS OF KY 06-12	805095	LEXINGTON MUTH	68,697	65,846		250	
18-11	COL GAS OF KY 06-11	805158	GERMANTOWN	276	275		150	
17-15	COL GAS OF KY 03-15	805174	CANNONSBURG	343	343		40	
18-12	COL GAS OF KY 06-12	805233	CIRCUIT COURT	1,069	984		200	
18-10	COL GAS OF KY 06-10	805258	CKY-STEPSTONE	3,511	3,000		400	
18-12	COL GAS OF KY 06-12	805460	WINCHESTER RT. 89	5,739	4,371		200	

Revision No.
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Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
18-12	COL GAS OF KY 06-12	805544	WACO -BYBEE	0	261		150	
18-12	COL GAS OF KY 06-12	805546	AVON-CLINTONVILL E	407	407		150	
17-15	COL GAS OF KY 03-15	805609	SUMMIT CITY	354	335		50	
17-15	COL GAS OF KY 03-15	805633	BELHAVEN	212	212		200	
17-15	COL GAS OF KY 03-15	805676	HILLCREST APTS.	137	57		50	
17-16	COL GAS OF KY 03-16	805682	AMERICAN STANDARD	213	68			
17-18	COL GAS OF KY 03-18	805686	PIPPA PASSES	12	11			
18-12	COL GAS OF KY 06-12	805776	ATHENS	132	131		250	
17-15	COL GAS OF KY 03-15	805815	BRUCE APTS.	36	34		50	
18-12	COL GAS OF KY 06-12	805968	YEISER, INC...	62	60		200	
17-18	COL GAS OF KY 03-18	814637	ALICE LLOYD COLLEGE	54	45			
17-15	COL GAS OF KY 03-15	814791	AMETEK CORP.	37	16		200	
18-12	COL GAS OF KY 06-12	817712	HILLCREST SUBDIVISION	136	136		150	
18-12	COL GAS OF KY 06-12	817714	YORKTOWN MOBILE HOME	53	51		150	
18-12	COL GAS OF KY 06-12	817715	KERRS MOBILE HOME PARK LINE KH	24	24		150	
18-12	COL GAS OF KY 06-12	817716	WAYLAND AVE. D.P.	46	46		150	

Revision No.
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Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
18-12	COL GAS OF KY 06-12	817717	JUDIANA & ROCKWELL	210	127		200	
18-12	COL GAS OF KY 06-12	817718	BOONE VILLAGE	72	72		250	
18-12	COL GAS OF KY 06-12	817719	COUNTRY CLUB HTS.	47	47		150	
18-13	COL GAS OF KY 06-13	817720	WINSTON D.P. LINE	89	89		150	
18-12	COL GAS OF KY 06-12	817721	UNION CITY D.P.	54	54		150	
17-18	COL GAS OF KY 03-18	817722	GREEN MEADOWS D.P.	70	70			
17-16	COL GAS OF KY 03-16	820005	EAST KENTUCKY PAVING	796	0			
18-12	COL GAS OF KY 06-12	820375	LEXINGTON	87,255	83,913		250	
18-12	COL GAS OF KY 06-12	823283	WINCHESTER FARMS DAIRY CO.	2,000	1,300		200	
17-16	COL GAS OF KY 03-16	823289	SOUTH WILLIAMSON D.P.	643	519			
17-16	COL GAS OF KY 03-16	828673	MARTIN HOUSING AUTHORITY	36	33			
18-10	COL GAS OF KY 06-10	829541	LAKE CARNICO	50,850	24,850	FN01	600	
18-12	COL GAS OF KY 06-12	832885	SOUTHERN HILLS SUBDIVISION	0	0			
18-11	COL GAS OF KY 06-11	834119	MAYSVILLE MATERIALS	825	0		150	
18-11	COL GAS OF KY 06-11	834288	MAYSVILLE INDUSTRIAL	400	200		200	
17-16	COL GAS OF KY 03-16	846041	BIG SANDY ASPHALT	0	0			

Revision No.
Control No. 2004-05-24-0001

Appendix A to Service Agreement No. 80160

Under Rate Schedule SST

Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

1/ Application of MDDOs, DDQs, and ADQs and/or minimum pressure and/or hourly flowrate shall be as follows:

FN01 THE MAXIMUM PRESSURE OBLIGATION AT STATION 829541 DURING THE MONTHS OF APRIL THROUGH OCTOBER SHALL BE 500 PSIG.

The following notes apply to all scheduling points on this contract:

GFN1 UNLESS STATION SPECIFIC MDDOS ARE SPECIFIED IN A SEPARATE FIRM SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER, TRANSPORTER'S AGGREGATE MAXIMUM DAILY DELIVERY OBLIGATION, UNDER THIS AND ANY OTHER SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER, AT THE STATIONS LISTED ABOVE SHALL NOT EXCEED THE MDDO QUANTITIES SET FORTH ABOVE FOR EACH STATION. IN ADDITION, TRANSPORTER SHALL NOT BE OBLIGATED ON ANY DAY TO DELIVER MORE THAN THE AGGREGATE DAILY QUANTITY (ADQ) LISTED BELOW FOR EACH SPECIFIED MARKET AREA. THE MARKET AREA IN WHICH EACH STATION IS LOCATED IS POSTED ON TRANSPORTER'S EBB AND INCORPORATED HEREIN BY REFERENCE. ANY STATION SPECIFIC MDDOS IN A SEPARATE FIRM SERVICE AGREEMENT BETWEEN TRANSPORTER AND SHIPPER SHALL BE ADDITIVE BOTH TO THE INDIVIDUAL STATION MDDOS SET FORTH HEREIN (AND TO THE DESIGN DAILY QUANTITIES (DDQ) SET FORTH ABOVE), AND TO ANY APPLICABLE ADQ SET FORTH BELOW.

MARKET AREA	MARKET AREA NAME	AGGREGATE DAILY QUANTITY
10	CINCINNATI	28,379 DTH/D
11	ABERDEEN	8,115 DTH/D
12	LEXINGTON	168,508 DTH/D
13	MANCHESTER	3,613 DTH/D
14	WEST LIBERTY	129 DTH/D
10-14	ADQ FOR MARKET AREAS 10 THRU 14	174,861 DTH/D
15	PORTSMOUTH	13,910 DTH/D
16	LANCER	4,935 DTH/D
18	KENTUCKY MISCELLANEOUS	1,197 DTH/D
15-18	ADQ FOR MARKET AREAS 15,16, AND 18	16,019 DTH/D

SHIPPER HAS AGREED TO A 5,150 DTH/D REDUCTION IN MDDO AND DESIGN DAILY QUANTITY (DDQ) AT MS 829541 IN ORDER TO ENABLE FIRM TRANSPORTATION BY TRANSPORTER OF 5,150 DTH/D TO TOYOTA MOTOR MANUFACTURING USA. QUANTITIES SHOWN IN THIS AGREEMENT REFLECT THESE REDUCTIONS. UPON THE TERMINATION OF FT'S AGREEMENT #38061 BETWEEN TRANSPORTER AND TOYOTA MOTOR MANUFACTURING USA, 5,150 DTH/D WILL BE RESTORED TO THE MDDO AND DDQ DISCUSSED IN THIS FOOTNOTE.

Revision No.

Control No. 2004-05-24-0001

Appendix A to Service Agreement No. 80160

Under Rate Schedule SST

Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

SHIPPER HAS AGREED TO A 1,030 DTH/D REDUCTION IN MDDO AND DESIGN DAILY QUANTITY (DDQ) AT MS 803602 IN ORDER TO ENABLE FIRM TRANSPORTATION BY TRANSPORTER OF 1,030 DTH/D TO MINNESOTA MINING AND MANUFACTURING. QUANTITIES SHOWN IN THIS AGREEMENT REFLECT THESE REDUCTIONS. UPON THE TERMINATION OF FTS AGREEMENT #44846 BETWEEN TRANSPORTER AND MINNESOTA MINING AND MANUFACTURING, 1,030 DTH/D WILL BE RESTORED TO THE MDDO AND DDQ DISCUSSED IN THIS FOOTNOTE.

Revision No.
Control No. 2004-05-24-0001

Appendix A to Service Agreement No. 80160
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

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 receipt and delivery points.

Yes No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 42 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.

Service pursuant to this Appendix A, Revision No. 0 shall be effective November 1, 2004 through March 31, 2020.

Yes No (Check applicable blank) This Appendix A, Revision No. 0 shall cancel and supersede the Previous Appendix A, Revision No. ___ effective as of _____, 20___, to the Service Agreement referenced above.

Yes No (Check applicable blank) All Gas shall be delivered at existing points of interconnection within the MDDO's, and/or ADQ's, and/or DDQ's, as applicable, set forth in Transporter's currently effective Rate Schedule ___ Appendix A, Revision No. 0 with Shipper, which for such points set forth are incorporated herein by reference.

With the exception of this Appendix A, Revision No. 0 all other terms and conditions of said Service Agreement shall remain in full force and effect.

Columbia Gas Of Kentucky, Inc
By: *[Signature]*
Name: Daniel D. Gavito
Title: V.P. Energy Supply Services
Date: 10-5-04

AD/3007

Columbia Gas Transmission Corporation
By: *[Signature]*
Name: Michael D. Watson
Title: V.P.-Pricing & Volume Management
Date: October 7, 2004

SERVICE AGREEMENT NO. 80171
CONTROL NO. 2004-05-25-0014

FSS SERVICE AGREEMENT

THIS AGREEMENT, made and entered into this 11th day of October, 2004, by and between:

Columbia Gas Transmission Corporation
("Transporter")
AND
Columbia Gas Of 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 service in accordance with the provisions of the effective FSS Rate Schedule and applicable General Terms and Conditions of Transporter's FERC Gas Tariff, Second 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. Transporter shall store quantities of gas for Shipper up to but not exceeding Shipper's Storage Contract Quantity as 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. Service hereunder shall be provided subject to the provisions of Part 284. 223 of Subpart G of the Commission's regulations. Shipper warrants that service hereunder is being provided on behalf of Shipper.

Section 2. Term. Service under this Agreement shall commence as of November 1, 2004, and shall continue in full force and effect until March 31, 2020. Pre-granted abandonment shall apply 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 Transporter 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; and 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). In addition, the discount agreement may include a provision that if one rate component which was at or below the applicable maximum rate at the time the discount agreement was executed subsequently exceeds the applicable maximum rate due to a change in Transporter's maximum rate so that such rate component must be adjusted downward to equal the new applicable maximum rate, then other rate components may be adjusted upward to achieve the agreed overall rate, so long as none of the resulting rate components exceed the maximum rate applicable to that rate component. Such changes to rate components shall be applied prospectively, commencing with the date a Commission order accepts revised tariff sheets. However, nothing contained herein shall be construed to alter a refund obligation under applicable law for any period during which rates which had been charged under a discount agreement exceeded rates which ultimately are found to be just and reasonable.

SERVICE AGREEMENT NO. 80171
CONTROL NO. 2004-05-25-0014

FSS SERVICE AGREEMENT

Section 4. Notices. Notices to Transporter under this Agreement shall be addressed to it at Post Office Box 1273, Charleston, West Virginia 25325-1273, Attention: Manager – Customer Services and notices to Shipper shall be addressed to it at:

Columbia Gas Of Kentucky, Inc
200 Civic Center Drive
P. O. Box 117
Columbus, OH 43216-0117
ATTN: Scott Phelps

until changed by either party by written notice.

SERVICE AGREEMENT NO. 80171
CONTROL NO. 2004-05-25-0014

FSS SERVICE AGREEMENT

Section 5. Superseded Agreements. This Service Agreement supersedes and cancels, as of the effective date hereof, the following Service Agreements: FSS 52985.

Columbia Gas Of Kentucky, Inc

By: [Signature] AB/cent
Name: Daniel D. Gaufo
Title: Vice President, Energy Supply Services
Date: 10/9/04

Columbia Gas Transmission Corporation

By: [Signature]
Name: MICHAEL D. WARD
Title: VP PURCHASE & SELLING MANAGEMENT
Date: 10-7-04

Revision No.
Control No. 2004-05-25-0014

Appendix A to Service Agreement No. 80171

Under Rate Schedule FSS
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Storage Contract Quantity 9,557,942 Dth
Maximum Daily Storage Quantity 190,880 Dth per day

CANCELLATION OF PREVIOUS APPENDIX A

___ Yes ___ X ___ No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 42 of the General Terms and Conditions of Transporter's FERC Gas Tariff.

___ Yes ___ X ___ 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.

Service pursuant to this Appendix A, Revision No. shall be effective from November 1, 2004 through March 31, 2020.

___ Yes ___ X ___ No (Check applicable blank) This Appendix A, Revision No. 0 shall cancel and supersede the Previous Appendix A, Revision No. N/A effective as of N/A, to the Service Agreement referenced above.

With the exception of this Appendix A, Revision No. 0 all other terms and conditions of said Service Agreement shall remain in full force and effect.

Columbia Gas Of Kentucky, Inc
By: *Daniel D. Gavito* AB/2004
Name: Daniel D. Gavito
Title: V.P. Energy Supply Services
Date: 10-5-04

Columbia Gas Transmission Corporation
By: *Michael D. Watson*
Name: MICHAEL D. WATSON
Title: OP Pricing & Volume management
Date: 10-7-04

SERVICE AGREEMENT NO.
CONTROL NO.

81527
2004-05-25-0017

FTS SERVICE AGREEMENT

THIS AGREEMENT, made and entered into this 28th day of December, 2004, by and between:

Columbia Gas Transmission Corporation
("Transporter")
AND
Columbia Gas Of 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 service in accordance with the provisions of the effective FTS Rate Schedule and applicable General Terms and Conditions of Transporter's FERC Gas Tariff, Second 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. The maximum obligation 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 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. Service hereunder shall be provided subject to the provisions of Part 284. 223 of Subpart G of the Commission's regulations. Shipper warrants that service hereunder is being provided on behalf of Shipper.

Section 2. Term. Service under this Agreement shall commence as of April 1, 2005, and shall continue in full force and effect until March 31, 2020. Pre-granted abandonment shall apply 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 Transporter the charges and furnish 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; and 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). In addition, the discount agreement may include a provision that if one rate component which was at or below the applicable maximum rate at the time the discount agreement was executed subsequently exceeds the applicable maximum rate due to a change in Transporter's maximum rate so that such rate component must be adjusted downward to equal the new applicable maximum rate, then other rate components may be adjusted upward to achieve the agreed overall rate, so long as none of the resulting rate components exceed the maximum rate applicable to that rate component. Such changes to rate components shall be applied prospectively, commencing with the date a Commission order accepts revised tariff sheets. However, nothing contained herein shall be construed to alter a refund obligation under applicable law for any period during which rates had been charged under a discount agreement exceeded rates which ultimately are found to be just and reasonable.

SERVICE AGREEMENT NO. 81527
CONTROL NO. 2004-05-25-0017

FTS SERVICE AGREEMENT

Section 4. Notices. Notices to Transporter under this Agreement shall be addressed to it at Post Office Box 1273, Charleston, West Virginia 25325-1273, Attention: Manager – Customer Services and notices to Shipper shall be addressed to it at:

Columbia Gas Of Kentucky, Inc
200 Civic Center Drive
P. O. Box 117
Columbus, OH 43216-0117
ATTN: Scott Phelps

until changed by either party by written notice.

SERVICE AGREEMENT NO. 81527
CONTROL NO. 2004-05-25-0017

FTS SERVICE AGREEMENT

Section 5. Superseded Agreements. This Service Agreement supersedes and cancels, as of the effective date hereof, the following Service Agreements: FTS 38238.

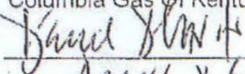
Columbia Gas of Kentucky, Inc

By:

Name:

Title:

Date:


Daniel Y Gravit
VP - ESS
12-17-04

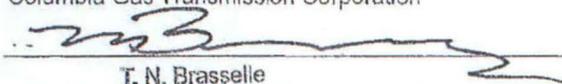
Columbia Gas Transmission Corporation

By:

Name:

Title:

Date:


T. N. Brasselle
MGR Customer Services
DEC 29 2004

Revision No.
Control No. 2004-05-25-0017

Appendix A to Service Agreement No. 81527
Under Rate Schedule FTS
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Transportation Demand 20,014 Dth/Day

Primary Receipt Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Quantity (Dth/Day)	Minimum Receipt Pressure Obligation (psig) 1/	Hourly Flowrate (Dth/hour) 1/
B9	BROAD RUN-19	B9		20,014		

Revision No.
Control No. 2004-05-25-0017

Appendix A to Service Agreement No. 81527
Under Rate Schedule FTS
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/Day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
17-15	COL GAS OF KY 03-15	801584	ASHLAND OIL REF.	1,771				
17-15	COL GAS OF KY 03-15	803264	FULLERTON DP	1,312				
17-15	COL GAS OF KY 03-15	803423	FLATWOODS	405				
17-15	COL GAS OF KY 03-15	803759	DUPONT	0				
17-15	COL GAS OF KY 03-15	803773	CKY ASHLAND 8TH STREET	6,890				
17-15	COL GAS OF KY 03-15	803848	MARKWEST HYDROCARBON	73				
17-15	COL GAS OF KY 03-15	804313	WURLAND D.P. (EM)	4,017				
17-15	COL GAS OF KY 03-15	804319	WESTWOOD	2,385				
17-15	COL GAS OF KY 03-15	804324	ASH.-BUCKLY RD.	380				
17-15	COL GAS OF KY 03-15	804329	GREENUP-UPPER RIGGS	45				
17-15	COL GAS OF KY 03-15	804345	GREENUP-LOWER RIGGS	292				
17-15	COL GAS OF KY 03-15	804373	GREENUP-UPPER RIGGS	105				
17-15	COL GAS OF KY 03-15	804374	GREENUP-CENTER RIGGS	91				
17-15	COL GAS OF KY 03-15	804375	FLATWOODS	196				
17-15	COL GAS OF KY 03-15	804379	RACELAND-POPLA R HGTS.	58				
17-15	COL GAS OF KY 03-15	804423	GREENUP CENTER	152				
17-15	COL GAS OF KY	804711	ASH-FRIENDSHIP	598				

Revision No.
Control No. 2004-05-25-0017

Appendix A to Service Agreement No. 81527
Under Rate Schedule FTS
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) ^{1/}	Design Daily Quantity (Dth/Day) ^{1/}	Aggregate Daily Quantity ^{1/}	Minimum Delivery Pressure Obligation (psig) ^{1/}	Hourly Flowrate (Dth/hour) ^{1/}
17-15	03-15 COL GAS OF KY	805174	RD. CANNONSBURG	277				
17-15	03-15 COL GAS OF KY	805609	SUMMIT CITY	496				
17-15	03-15 COL GAS OF KY	805633	BELHAVEN	313				
17-15	03-15 COL GAS OF KY	805676	HILLCREST APTS.	85				
17-15	03-15 COL GAS OF KY	805815	BRUCE APTS.	50				
17-15	03-15 COL GAS OF KY	814791	AMETEK CORP.	23				

Revision No.

Control No. 2004-05-25-0017

Appendix A to Service Agreement No. 81527

Under Rate Schedule FTS

Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

1/

Application of MDDOs, DDQs, and ADQs and/or minimum pressure and/or hourly flowrate shall be as follows:

Revision No.
Control No. 2004-05-25-0017

Appendix A to Service Agreement No. 81527
Under Rate Schedule FTS
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

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 the purposes of listing valid secondary interruptible receipt points and delivery points.

Yes No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 42 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.

Service pursuant to this Appendix A, Revision No. 0 shall be effective April 1, 2005 through March 31, 2020.

Yes No (Check applicable blank) This Appendix A, Revision No. 0 shall cancel and supersede the Previous Appendix A, Revision No. ___ effective as of _____, 20___, to the Service Agreement referenced above.

Yes No (Check applicable blank) All Gas shall be delivered at existing points of interconnection within the MDDO's, and/or ADQ's, and/or DDQ's, as applicable, set forth in Transporter's currently effective Rate Schedule ___ Appendix A, Revision No. 0 with Shipper, which for such points set forth are incorporated herein by reference.

With the exception of this Appendix A, Revision No. 0 all other terms and conditions of said Service Agreement shall remain in full force and effect.

Columbia Gas Of Kentucky, Inc
By: [Signature]
Name: SAMUEL S. GAVIN
Title: VP ESS
Date: 12-17-04

Columbia Gas Transmission Corporation
By: [Signature]
Name: T. N. Brasselle
Title: MGR Customer Services
Date: DEC 29 2004

SERVICE AGREEMENT NO. 81540
CONTROL NO. 2004-11-10-0001

SST SERVICE AGREEMENT

THIS AGREEMENT, made and entered into this 28th day of December, 2004, by and between:

Columbia Gas Transmission Corporation
("Transporter")
AND
Columbia Gas Of 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 service in accordance with the provisions of the effective SST Rate Schedule and applicable General Terms and Conditions of Transporter's FERC Gas Tariff, Second 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. The maximum obligation 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 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. Service hereunder shall be provided subject to the provisions of Part 284. 223 of Subpart G of the Commission's regulations. Shipper warrants that service hereunder is being provided on behalf of Shipper.

Section 2. Term. Service under this Agreement shall commence as of April 1, 2005, and shall continue in full force and effect until March 31, 2020. Pre-granted abandonment shall apply 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 Transporter the charges and furnish 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; and 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). In addition, the discount agreement may include a provision that if one rate component which was at or below the applicable maximum rate at the time the discount agreement was executed subsequently exceeds the applicable maximum rate due to a change in Transporter's maximum rate so that such rate component must be adjusted downward to equal the new applicable maximum rate, then other rate components may be adjusted upward to achieve the agreed overall rate, so long as none of the resulting rate components exceed the maximum rate applicable to that rate component. Such changes to rate components shall be applied prospectively, commencing with the date a Commission order accepts revised tariff sheets. However, nothing contained herein shall be construed to alter a refund obligation under applicable law for any period during which rates had been charged under a discount agreement exceeded rates which ultimately are found to be just and reasonable.

SERVICE AGREEMENT NO. 81540
CONTROL NO. 2004-11-10-0001

SST SERVICE AGREEMENT

Section 4. Notices. Notices to Transporter under this Agreement shall be addressed to it at Post Office Box 1273, Charleston, West Virginia 25325-1273, Attention: Manager – Customer Services and notices to Shipper shall be addressed to it at:

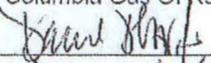
Columbia Gas Of Kentucky, Inc
200 Civic Center Drive
P. O. Box 117
Columbus, OH 43216-0117
ATTN: Scott Phelps

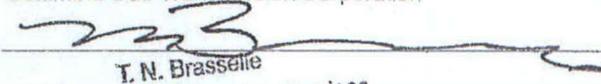
until changed by either party by written notice.

SERVICE AGREEMENT NO. 81540
CONTROL NO. 2004-11-10-0001

SST SERVICE AGREEMENT

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

Columbia Gas Of Kentucky, Inc
By: 
Name: DANIEL Y. GAVITO
Title: VP-ESS
Date: 12-17-04

Columbia Gas Transmission Corporation
By: 
Name: T. N. Brasselle
Title: MGR Customer Services
Date: DEC 29 2004

Revision No.
Control No. 2004-11-10-0001

Appendix A to Service Agreement No. 81540
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

October through March Transportation Demand 30,000 Dth/Day
April through September Transportation Demand 15,000 Dth/Day

Primary Receipt Points

Scheduling Point No.	Scheduling Point Name		Maximum Daily Quantity (Dth/Day)
STOW	STORAGE WITHDRAWALS	STOW	30,000

Revision No.
Control No. 2004-11-10-0001

Appendix A to Service Agreement No. 81540
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

Primary Delivery Points

Scheduling Point No.	Scheduling Point Name	Measuring Point No.	Measuring Point Name	Maximum Daily Delivery Obligation (Dth/day) 1/	Design Daily Quantity (Dth/day) 1/	Aggregate Daily Quantity 1/	Minimum Delivery Pressure Obligation (psig) 1/	Hourly Flowrate (Dth/hour) 1/
18-10	COL GAS OF KY 06-10	829541	LAKE CARNICO	30,000				

Revision No.

Control No. 2004-11-10-0001

Appendix A to Service Agreement No. 81540

Under Rate Schedule SST

Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

1/

Application of MDDOs, DDQs, and ADQs and/or minimum pressure and/or hourly flowrate shall be as follows:

Revision No.
Control No. 2004-11-10-0001

Appendix A to Service Agreement No. 81540
Under Rate Schedule SST
Between (Transporter) Columbia Gas Transmission Corporation
and (Shipper) Columbia Gas Of Kentucky, Inc

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 receipt and delivery points.

Yes No (Check applicable blank) Transporter and Shipper have mutually agreed to a Regulatory Restructuring Reduction Option pursuant to Section 42 of the General Terms and Conditions of Transporter's FERC Gas Tariff.

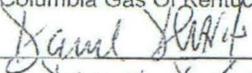
Yes No (Check applicable blank) Shipper has a contractual right of first refusal equivalent to the right of first refusal set forth from time to time in Section 4 of the General Terms and Conditions of Transporter's FERC Gas Tariff.

Service pursuant to this Appendix A, Revision No. 0 shall be effective April 1, 2005 through March 31, 2020.

Yes No (Check applicable blank) This Appendix A, Revision No. 0 shall cancel and supersede the Previous Appendix A, Revision No. ___ effective as of _____, 20___, to the Service Agreement referenced above.

Yes No (Check applicable blank) All Gas shall be delivered at existing points of interconnection within the MDDO's, and/or ADQ's, and/or DDQ's, as applicable, set forth in Transporter's currently effective Rate Schedule ___ Appendix A, Revision No. 0 with Shipper, which for such points set forth are incorporated herein by reference.

With the exception of this Appendix A, Revision No. 0 all other terms and conditions of said Service Agreement shall remain in full force and effect.

Columbia Gas Of Kentucky, Inc
By: 
Name: DANIEL S. GAVITO
Title: VP - ESS
Date: 12-17-04

Columbia Gas Transmission Corporation
By: 
Name: T. N. Brasselle
Title: MGR Customer Services
Date: DEC 29 2004

Columbia Gas
Transmission

A NiSource Company

1700 MacCorkle Ave SE
PO Box 1273
Charleston, WV 25325-1273

Customer Services

September 30, 2004

Mr. Scott Phelps
Columbia Gas of Kentucky, Inc.
200 Civic Center Drive
Columbus, Ohio 43216-0117

Dear Mr. Phelps:

This letter shall serve as an amendment to the SST Service Agreement between Columbia Gas of Kentucky, Inc. (Shipper) and Columbia Gas Transmission Corporation (Transporter) designated as Transporter's Control No. 040524-0001.

- 1) Transporter and Shipper hereby agree that Section 3 of the above-referenced contract shall be amended to provide for a discounted rate under the terms and conditions set forth below.
 - (a) **Applicable Period:** November 1, 2004 through March 31, 2020.
 - (b) **Reservation Charge:** Discounted to provide a \$4.185 Demand Rate.

Notwithstanding the foregoing, the charge to be paid by Shipper to Transporter shall be no lower than the applicable total effective minimum charges set forth in Transporter's Federal Energy Regulatory Commission (FERC) Gas Tariff. Shipper shall be assessed and pay all applicable maximum Commodity and Overrun Charges and all applicable Surcharges, and shall be subject to retainage.

- 2) The provisions of this Agreement shall be deemed confidential and may not be disclosed by the parties, their agents or assigns, except upon written consent of the other party unless disclosure is required by law.

If the above meets with your approval, please have both copies of this letter executed by an authorized company representative of Columbia Gas of Kentucky, Inc. and return one to me.

Terms agreed to this 11th day of October, 2004.

COLUMBIA GAS
TRANSMISSION CORPORATION

By: Michael D. Webb
Its: V.P.-Pricing & Volume Mgmt.

COLUMBIA GAS OF KENTUCKY, INC.

By: Daniel D. Gavito AB/304
Its: V.P. Energy Supply Services

CAB/Iss

Columbia Gas
Transmission
A NiSource Company

1700 MacCortle Ave SE
Charleston WV 25314

PO Box 1273
Charleston WV 25325-1273

304 357 2000

Customer Services

December 3, 2004

Mr. Scott Phelps
Columbia Gas of Kentucky, Inc.
200 Civic Center Drive
Columbus, Ohio 43216-0117

Dear Mr. Phelps:

This letter shall serve as an amendment to the SST Service Agreement between Columbia Gas of Kentucky, Inc. (Shipper) and Columbia Gas Transmission Corporation (Transporter) designated as Transporter's Control No. 041110-0001.

- 1) Transporter and Shipper hereby agree that Section 3 of the above-referenced control number shall be amended to provide for a discounted rate under the terms and conditions set forth below.

(a) **Applicable Period:** April 1, 2005 through March 31, 2020

(b) **Reservation Charge:** Discounted to provide a \$4.185 Demand Rate.

Notwithstanding the foregoing, the charge to be paid by Shipper to Transporter shall be no lower than the applicable total effective minimum charges set forth in Transporter's Federal Energy Regulatory Commission (FERC) Gas Tariff. Shipper shall be assessed and pay all applicable maximum Commodity and Overrun Charges and all applicable Surcharges and shall be subject to retainage.

- 2) The provisions of this Agreement shall be deemed confidential and may not be disclosed by the parties, their agents or assigns, except upon written consent of the other party unless disclosure is required by law.

If the above meets with your approval, please have both copies of this letter executed by an authorized company representative of Columbia Gas of Kentucky, Inc. and return one to me.

Terms agreed to this 17 day of December, 2004.

COLUMBIA GAS
TRANSMISSION CORPORATION

By: [Signature]

Its: Manager - Customer Services

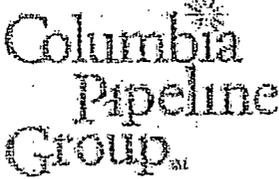
JGW/sj

[Signature]

COLUMBIA GAS OF KENTUCKY, INC.

By: [Signature]

Its: VP - ESS



5151 San Felipe Suite 2500
Houston, TX 77056
Phone: 713-386-3441
Fax: 713-386-3420

October 25, 2013

Ms. Lynn Burke
Columbia Gas of Kentucky, Inc.
200 Civic Center Drive
Columbus, OH 43216-0117

Re: Discount Letter Amendment to FTS Service Agreement 81540

Dear Ms. Burke,

This letter shall serve as an amendment to the SST Service Agreement between Columbia Gas of Kentucky, Inc. (Shipper) and Columbia Gas Transmission, LLC (Transporter) designated as Transporter's Contract Number 81540 Revision 1.

1. Transporter and Shipper hereby agree that Section 3 of the above referenced Agreement shall be amended to provide for a discounted rate under the terms and conditions set forth below.
 - a) **Applicable Period:** November 1, 2013 through March 31, 2020
 - b) **Reservation Charge:** Discounted to provide a \$4.185 Demand Rate

Notwithstanding the foregoing, the charge to paid by Shipper to Transporter shall be no lower than the applicable total effective minimum charges set forth in the Transporter's Federal Energy Regulatory Commission (FERC) Gas Tariff. Shipper shall be assessed and pay all applicable maximum Commodity and Overrun Charges and all applicable Surcharges and shall be subject to retainage.

2. The provisions of this Agreement shall be deemed confidential and may not be disclosed by the parties, their agents or assigns, except upon written consent of the other party unless disclosure is required by law.

If you are in agreement with the above amendment, please execute an original of this letter and return it to Transporter at kcrawford@nisource.com.

Executed and agreed to this 1st day of November, 2013.

COLUMBIA GAS TRANSMISSION, LLC

COLUMBIA GAS OF KENTUCKY, INC.

By: William J. Smae

By: W. Leathen Bares

Its: VP Customer Service Business
10-28-13 Integratio

Its: VP 11/1/13

Reviewed by PML 10/31/2013

**COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020**

2. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Items 1(a) and 1(b). Columbia Kentucky states that its contract with Tennessee Gas Pipeline has been renegotiated approximately every five years with renegotiated contracts taking effect in 2014 and 2019.
 - a. Explain in full detail why Columbia Kentucky has renegotiated contract terms with Tennessee Gas Pipeline every five years.
 - b. Provide copies of all renegotiated contracts between Columbia Kentucky and Tennessee Gas Pipeline since 2004.
 - c. Provide a description of the modifications between each contract that Columbia Kentucky has entered into with Tennessee Gas Pipeline since 2004.

Response:

- a. Columbia's Tennessee Gas Pipeline ("Tennessee") contract originates from the interstate pipeline restructuring that occurred under FERC Order 636. Columbia was assigned Tennessee capacity to meet specific delivery requirements

in portions of Columbia's service territory, particularly in the high demand winter months. The Tennessee contract has a primary delivery point into Columbia Gas Transmission ("TCO") at Leach, KY, however, during the high demand winter months TCO may call upon Columbia to deliver volumes at a secondary point known as Greenup, KY in order for TCO to serve Columbia's customer demand in that portion of the TCO system served in part by supplies delivered to Greenup. Columbia requires this Tennessee capacity to meet specific supply requirements. Columbia first negotiated the Tennessee contract in 2004 with a 10-year term followed by renegotiated arrangements in 2014 and 2019 both with 5 year terms. In all three renegotiations the terms reflect the agreement between Columbia and Tennessee which incorporated the discount offered by Tennessee and Columbia's desire to leave its options open for lower cost alternatives should they develop.

b. Please see Attachment Staff 2-2-b for the contracts negotiated to be effective in 2004, 2014 and 2019.

c. Please see Attachment Staff 2-2-c for all amendments made to the contracts included in Attachment Staff 2-2-b. Please note that all amendments included in Attachment Staff 2-2-b pertain to Tennessee contract no. 46985 and reflect changes to primary receipt points.

Fully Executed

RECEIVED
OCT 30 2007
SCOTT D. PHELPS

December 1, 2006

THOMAS C. HECKATHORN
COLUMBIA GAS OF KENTUCKY INC
P.O. BOX 117
200 CIVIC CENTER DRIVE
COLUMBUS, OH, USA-432160117

RE: Amendment No. 50 to
Gas Transportation Agreement
Dated November 1, 2004
Service Package No. 46985

Dear THOMAS C. HECKATHORN:

TENNESSEE GAS PIPELINE COMPANY and COLUMBIA GAS OF KENTUCKY INC (COLUMBIA-KY) agree to amend the Agreement effective December 1, 2006, to change the Primary Meters and the associated Meter Quantities as reflected in the Attached Revised Exhibit A.

Except as amended herein, all terms and provisions of the Agreement shall remain in full force and effect as written.

If the foregoing is in accordance with your understanding of the Agreement, please so indicate by signing and returning to my attention both originals of this letter. Upon Tennessee's execution, an original will be forwarded to you for your files.

Should you have any questions, please do not hesitate to contact me at (713) 420-2672.

Best regards,

Adam Harris
Account Representative
Transportation Services

COLUMBIA GAS OF KENTUCKY INC
October 1, 2007
Page 2
Contract number: 46985
Amendment number: 50
Amendment effective date: December 1, 2006

ACCEPTED AND AGREED TO
This 27th Day of October, 2007

ADH
[Handwritten signature]

TENNESSEE GAS PIPELINE COMPANY

By: *Koussou Collier*

Title: Agent and Attorney in Fact

ACCEPTED AND AGREED TO
This 4th Day of October, 2007

COLUMBIA GAS OF KENTUCKY INC

By: *Michael D. Watson*

Title: Michael D. Watson
Vice President
Energy Supply Serv.

Amend TMR

December 1, 2006

GAS TRANSPORTATION AGREEMENT
EXHIBIT "A"
AMENDMENT 50 TO GAS TRANSPORTATION AGREEMENT
DATED November 1, 2004
BETWEEN
TENNESSEE GAS PIPELINE COMPANY
AND
COLUMBIA GAS OF KENTUCKY INC

COLUMBIA GAS OF KENTUCKY INC
EFFECTIVE DATE OF AMENDMENT: December 1, 2006
RATE SCHEDULE: FT-A
SERVICE PACKAGE: 46985

METER	METER NAME	INTERCONNECT PARTY NAME	COUNTY	ST	ZONE	R/D	LEG	TOTAL-TQ	BILLABLE-TQ
010668	GRAND ISLE BLOCK 47 DEHYDRATION	BP ENERGY COMPANY	OFFSHORE-FEDERAL 717	OL	0L	R	500	797	797
010839	GRAND ISLE BLOCK 43 DEHYDRATION	BP ENERGY COMPANY	OFFSHORE-FEDERAL 717	OL	0L	R	500	954	954
011091	SOUTH MARSH ISLAND 61 B	CHEVRON USA INC.	OFFSHORE-FEDERAL 707	OL	0L	R	500	2108	2108
011294	SOUTH PASS BLOCK 77 A	CHEVRON USA INC.	OFFSHORE-FEDERAL 722	OL	0L	R	500	2108	2108
011413	WEST DELTA BLOCK 34 A DEHYDRATION	FOREST OIL CORP	OFFSHORE-FEDERAL 719	OL	0L	R	500	1704	1704
011435	GARDEN ISLAND BAY DEHYDRATION	FOREST OIL CORP	PLAQUEMINES	LA	0L	R	500	2827	2827
011970	EUGENE ISLAND 224A	BP AMERICA PRODUCTION COMPANY	OFFSHORE-FEDERAL 709	OL	0L	R	500	1053	1053
011972	SOUTH MARSH ISLAND 79B	FOREST OIL CORP	OFFSHORE-FEDERAL 707	OL	0L	R	500	0	0

December 1, 2006

012394	VERMILION 273	ST. MARY ENERGY COMPANY	OFFSHORE- FEDERAL 706	OL	OL	R	500	4593	8955
020001	BROAD RUN COBB WEST VIRGINIA	COLUMBIA GAS TRANSMISSION CORPORATION	KANAWHA		03	D	100	16144	20506
				WV				Total Receipt TQ	16144
								Total Delivery TQ	16144
									20506
									20506

NUMBER OF RECEIPT POINTS: 9
NUMBER OF DELIVERY POINTS: 1

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

December 1, 2006

GAS TRANSPORTATION AGREEMENT
EXHIBIT "A-1"
SHOWING REQUESTED CHANGES
AMENDMENT 50 TO GAS TRANSPORTATION AGREEMENT
DATED November 1, 2004
BETWEEN
TENNESSEE GAS PIPELINE COMPANY
AND
COLUMBIA GAS OF KENTUCKY INC

COLUMBIA GAS OF KENTUCKY INC
EFFECTIVE DATE OF AMENDMENT: December 1, 2006
RATE SCHEDULE: FT-A
SERVICE PACKAGE: 46985

METER	METER NAME	INTERCONNECT PARTY NAME	COUNTY	ST	ZONE	R/D	LEG	TOTAL-TQ	BILLABLE-TQ	REQUESTED CHANGE QTY	
011970	EUGENE ISLAND 224A	APACHE CORPORATION	OFFSHORE-FEDERAL 709	OL	OL	R	500	1053	1053	1053	
011972	SOUTH MARSH ISLAND 79B	FOREST OIL CORP	OFFSHORE-FEDERAL 707	OL	OL	R	500	0	0	0	
								Total Receipt TQ	1053	1053	
								Total Delivery TQ	0	0	

NUMBER OF RECEIPT POINTS AFFECTED: 2
NUMBER OF DELIVERY POINTS AFFECTED: 0

Amendment -A

Fully Executed

October 1, 2007

THOMAS C. HECKATHORN
COLUMBIA GAS OF KENTUCKY INC
P.O. BOX 117
200 CIVIC CENTER DRIVE
COLUMBUS, OH, USA-432160117

RE: Amendment No. 74 to
Gas Transportation Agreement
Dated November 1, 2004
Service Package No. 46985

Dear THOMAS C. HECKATHORN:

TENNESSEE GAS PIPELINE COMPANY and COLUMBIA GAS OF KENTUCKY INC (COLUMBIA-KY) agree to amend the Agreement effective October 1, 2007, to change the Primary Meters and the associated Meter Quantities as reflected in the Attached Revised Exhibit A.

Except as amended herein, all terms and provisions of the Agreement shall remain in full force and effect as written.

If the foregoing is in accordance with your understanding of the Agreement, please so indicate by signing and returning to my attention both originals of this letter. Upon Tennessee's execution, an original will be forwarded to you for your files.

Should you have any questions, please do not hesitate to contact me at (713) 420-2672.

Best regards,

Adam Harris
Account Representative
Transportation Services

October 1, 2007

GAS TRANSPORTATION AGREEMENT
EXHIBIT "A"
AMENDMENT 74 TO GAS TRANSPORTATION AGREEMENT
DATED November 1, 2004
BETWEEN
TENNESSEE GAS PIPELINE COMPANY
AND
COLUMBIA GAS OF KENTUCKY INC

COLUMBIA GAS OF KENTUCKY INC
EFFECTIVE DATE OF AMENDMENT: October 1, 2007
RATE SCHEDULE: FT-A
SERVICE PACKAGE: 46985

METER	METER NAME	INTERCONNECT PARTY NAME	COUNTY	ST	ZONE	R/D	LEG	TOTAL-TQ	BILLABLE-TQ
010668	GRAND ISLE BLOCK 47 DEHYDRATION	BP ENERGY COMPANY	OFFSHORE- FEDERAL 717	OL	0L	R	500	797	797
010839	GRAND ISLE BLOCK 43 DEHYDRATION	BP ENERGY COMPANY	OFFSHORE- FEDERAL 717	OL	0L	R	500	370	954
011057	VERMILION 250 C	EL PASO PRODUCTION OIL & GAS COMPANY	OFFSHORE- FEDERAL 705	OL	0L	R	500	8955	8955
011091	SOUTH MARSH ISLAND 61 B	CHEVRON USA INC.	OFFSHORE- FEDERAL 707	OL	0L	R	500	262	2108
011294	SOUTH PASS BLOCK 77 A	CHEVRON USA INC.	OFFSHORE- FEDERAL 722	OL	0L	R	500	261	2108
011413	WEST DELTA BLOCK 34 A DEHYDRATION	FOREST OIL CORP	OFFSHORE- FEDERAL 719	OL	0L	R	500	1704	1704
011435	GARDEN ISLAND BAY DEHYDRATION	FOREST OIL CORP	PLAQUEMINES	LA	0L	R	500	2827	2827
011970	EUGENE ISLAND 224A	BP AMERICA PRODUCTION COMPANY	OFFSHORE- FEDERAL 709	OL	0L	R	500	1053	1053

October 1, 2007

011972	SOUTH MARSH ISLAND 79B	FOREST OIL CORP	OFFSHORE- FEDERAL 707	OL	0L	R	500	0	0
012394	VERMILION 273	ST. MARY ENERGY COMPANY	OFFSHORE- FEDERAL 706	OL	0L	R	500	0	0
020001	BROAD RUN COBB WEST VIRGINIA	COLUMBIA GAS TRANSMISSION CORPORATION	KANAWHA		03	D	100	16229	20506
				WV					
							Total Receipt TQ	16229	20506
							Total Delivery TQ	16229	20506

NUMBER OF RECEIPT POINTS: 10
NUMBER OF DELIVERY POINTS: 1

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

October 1, 2007

GAS TRANSPORTATION AGREEMENT
EXHIBIT "A-1"
SHOWING REQUESTED CHANGES
AMENDMENT 74 TO GAS TRANSPORTATION AGREEMENT
DATED November 1, 2004
BETWEEN
TENNESSEE GAS PIPELINE COMPANY
AND
COLUMBIA GAS OF KENTUCKY INC

COLUMBIA GAS OF KENTUCKY INC
EFFECTIVE DATE OF AMENDMENT: October 1, 2007
RATE SCHEDULE: FT-A
SERVICE PACKAGE: 46985

METER	METER NAME	INTERCONNECT PARTY NAME	COUNTY	ST	ZONE	R/D	LEG	TOTAL-TQ	BILLABLE-TQ	REQUESTED CHANGE QTY	
011057	VERMILION 250 C	MARITECH RESOURCES, INC.	OFFSHORE- FEDERAL 705	OL	0L	R	500	8955	8955	8955	
012394	VERMILION 273	ST. MARY ENERGY COMPANY	OFFSHORE- FEDERAL 706	OL	0L	R	500	0	0	0	
								Total Receipt TQ	8955	8955	
								Total Delivery TQ	0	0	

NUMBER OF RECEIPT POINTS AFFECTED: 2
NUMBER OF DELIVERY POINTS AFFECTED: 0

Amendment -A

August 24, 2009

THOMAS C. HECKATHORN
COLUMBIA GAS OF KENTUCKY INC
P.O. BOX 117
200 CIVIC CENTER DRIVE
COLUMBUS, OH, USA-432160117

RE: Amendment No. 134 to
Gas Transportation Agreement
Dated November 1, 2004
Service Package No. 46985

Dear THOMAS C. HECKATHORN:

TENNESSEE GAS PIPELINE COMPANY and COLUMBIA GAS OF KENTUCKY INC (COLUMBIA-KY) agree to amend the Agreement effective September 1, 2009, to change the Primary Meters and the associated Meter Quantities as reflected in the Attached Revised Exhibit A.

Except as amended herein, all terms and provisions of the Agreement shall remain in full force and effect as written.

If the foregoing is in accordance with your understanding of the Agreement, please so indicate by signing and returning to my attention both originals of this letter. Upon Tennessee's execution, an original will be forwarded to you for your files.

Should you have any questions, please do not hesitate to contact me at (713) 420-2672.

Best regards,

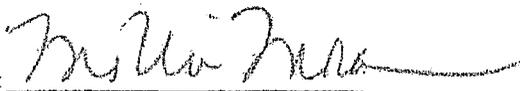
Adam Harris
Sr. Account Representative
Transportation Services

COLUMBIA GAS OF KENTUCKY INC
August 24, 2009
Page 2
Contract number: 46985
Amendment number: 134
Amendment effective date: September 1, 2009

ACCEPTED AND AGREED TO
This 18 Day of Sept, 2009

RLH

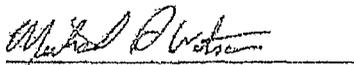
TENNESSEE GAS PIPELINE COMPANY

By: 

Title: Agent and Attorney in Fact

ACCEPTED AND AGREED TO
This 26 Day of August, 2009

COLUMBIA GAS OF KENTUCKY INC

By: 

Title: VICE PRESIDENT

Appeared as to form TMR 8/24/09

August 24, 2009

GAS TRANSPORTATION AGREEMENT
EXHIBIT "A"
AMENDMENT 134 TO GAS TRANSPORTATION AGREEMENT
DATED November 1, 2004
BETWEEN
TENNESSEE GAS PIPELINE COMPANY
AND
COLUMBIA GAS OF KENTUCKY INC

COLUMBIA GAS OF KENTUCKY INC
EFFECTIVE DATE OF AMENDMENT: September 1, 2009
RATE SCHEDULE: FT-A
SERVICE PACKAGE: 46985

METER	METER NAME	INTERCONNECT PARTY NAME	COUNTY	ST	ZONE	RVD	LEG	TOTAL-TQ	BILLABLE-TQ
010668	GRAND ISLE BLOCK 47 DEHYDRATION	BP ENERGY COMPANY	OFFSHORE- FEDERAL 717	OL	OL	R	500	797	797
010839	GRAND ISLE BLOCK 43 DEHYDRATION	BP ENERGY COMPANY	OFFSHORE- FEDERAL 717	OL	OL	R	500	954	954
011057	VERMILION 250 C	EL PASO PRODUCTION OIL & GAS COMPANY	OFFSHORE- FEDERAL 705	OL	OL	R	500	8107	8955
011091	SOUTH MARSH ISLAND 61 B	CHEVRON USA INC.	OFFSHORE- FEDERAL 707	OL	OL	R	500	2108	2108
011294	SOUTH PASS BLOCK 77 A	CHEVRON USA INC.	OFFSHORE- FEDERAL 722	OL	OL	R	500	2108	2108
011413	WEST DELTA BLOCK 34 A DEHYDRATION	FOREST OIL CORP	OFFSHORE- FEDERAL 719	OL	OL	R	500	0	0
011435	GARDEN ISLAND BAY DEHYDRATION	FOREST OIL CORP	PLAQUEMINES	LA	OL	R	500	2827	2827
011970	EUGENE ISLAND 224A	BP AMERICA PRODUCTION COMPANY	OFFSHORE- FEDERAL 709	OL	OL	R	500	1053	1053

August 24, 2009

011972	SOUTH MARSH ISLAND 79B	FOREST OIL CORP	OFFSHORE- FEDERAL 707	OL	OL	R	500	0	0	
012122	DELTA FARMS	PRIZE OPERATING COMPANY	LAFORCHE	LA	OL	R	500	1704	1704	
012394	VERMILION 273	ST. MARY ENERGY COMPANY	OFFSHORE- FEDERAL 706	OL	OL	R	500	0	0	
020001	BROAD RUN COBB WEST VIRGINIA	COLUMBIA GAS TRANSMISSION CORPORATION	KANAWHA		03	D	100	19658	20506	
				WV				Total Receipt TQ	19658	20506
								Total Delivery TQ	19658	20506

NUMBER OF RECEIPT POINTS: 11
NUMBER OF DELIVERY POINTS: 1

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

August 24, 2009

GAS TRANSPORTATION AGREEMENT
EXHIBIT "A-1"
SHOWING REQUESTED CHANGES
AMENDMENT 134 TO GAS TRANSPORTATION AGREEMENT
DATED November 1, 2004
BETWEEN
TENNESSEE GAS PIPELINE COMPANY
AND
COLUMBIA GAS OF KENTUCKY INC

COLUMBIA GAS OF KENTUCKY INC
EFFECTIVE DATE OF AMENDMENT: September 1, 2009
RATE SCHEDULE: FT-A
SERVICE PACKAGE: 46985

METER	METER NAME	INTERCONNECT PARTY NAME	COUNTY	ST	ZONE	R/D	LEG	TOTAL-TQ	BILLABLE-TQ	REQUESTED CHANGE QTY	
011413	WEST DELTA BLOCK 34 A DEHYDRATION	FOREST OIL CORP	OFFSHORE- FEDERAL 719	OL	OL	R	500	0	0	-1704	
012122	DELTA FARMS	PRIZE OPERATING COMPANY	LAFOURCHE	LA	OL	R	500	1704	1704	1704	
								Total Receipt TQ	1704	1704	
								Total Delivery TQ	0	0	

NUMBER OF RECEIPT POINTS AFFECTED: 2
NUMBER OF DELIVERY POINTS AFFECTED: 0

Amendment A

August 31, 2011

THOMAS C. HECKATHORN
COLUMBIA GAS OF KENTUCKY INC
P.O. BOX 117
200 CIVIC CENTER DRIVE
COLUMBUS, OH, USA-432160117

RE: Amendment No. 244 to
Gas Transportation Agreement
Dated November 1, 2004
Service Package No. 46985

Dear THOMAS C. HECKATHORN:

TENNESSEE GAS PIPELINE COMPANY and COLUMBIA GAS OF KENTUCKY INC (COLUMBIA-KY) agree to amend the Agreement effective October 1, 2011, to change the Primary Meters and the associated Meter Quantities as reflected in the Attached Revised Exhibit A.

Except as amended herein, all terms and provisions of the Agreement shall remain in full force and effect as written.

If the foregoing is in accordance with your understanding of the Agreement, please so indicate by signing and returning to my attention both originals of this letter. Upon Tennessee's execution, an original will be forwarded to you for your files.

Should you have any questions, please do not hesitate to contact me at (713) 420-xxxx.

Best regards,

Acct. Rep. Name
Sr. Account Representative
Transportation Services

COLUMBIA GAS OF KENTUCKY INC
August 31, 2011
Page 2
Contract number: 46985
Amendment number: 244
Amendment effective date: October 1, 2011

ACCEPTED AND AGREED TO
This 10 Day of September, 2011

TENNESSEE GAS PIPELINE COMPANY

By: William S. Mena
Title: Agent and Attorney in Fact *RK*
for

ACCEPTED AND AGREED TO
This 20 Day of SEPTEMBER, 2011

COLUMBIA GAS OF KENTUCKY INC

By: Heather Bam
Title: VP

Approved as to form TMR 9/1/2011

August 31, 2011

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

EXHIBIT A
AMENDMENT NO. 244
TO GAS TRANSPORTATION AGREEMENT
DATED November 1, 2004
BETWEEN
TENNESSEE GAS PIPELINE COMPANY
AND
COLUMBIA GAS OF KENTUCKY INC

Amendment Effective Date: October 1, 2011

Service Package: 46985

Service Package TQ: 20506 Dth

BEGINNING DATE	ENDING DATE	TQ

BEGINNING DATE	ENDING DATE	METER	METER NAME	INTERCONNECT PARTY NAME	COUNTY	ST	ZONE	R/D	LEG	METER-TQ
10/1/2011	10/31/2014	020001	BROAD RUN COBB WEST VIRGINIA	COLUMBIA GAS TRANSMISSION CORPORATION	KANAWHA	WV	03	D	100	20506
10/1/2011	10/31/2014	010668	GRAND ISLE BLOCK 47 DEHYDRATION	BP ENERGY COMPANY	OFFSHORE-FEDERAL 717	OL	0L	R	500	0
10/1/2011	10/31/2014	010839	GRAND ISLE BLOCK 43 DEHYDRATION	BP ENERGY COMPANY	OFFSHORE-FEDERAL 717	OL	0L	R	500	0
10/1/2011	10/31/2014	011057	VERMILION 250 C	EL PASO PRODUCTION OIL	OFFSHORE-	OL	0L	R	500	0

August 31, 2011

& GAS COMPANY

10/1/2011	10/31/2014	011091	SOUTH MARSH ISLAND 61 B	CHEVRON U.S.A INC.	FEDERAL 705 OFFSHORE- FEDERAL 707	OL	0L	R	500	0
10/1/2011	10/31/2014	011294	SOUTH PASS BLOCK 77 A	CHEVRON U.S.A INC.	OFFSHORE- FEDERAL 722	OL	0L	R	500	0
10/1/2011	10/31/2014	011413	WEST DELTA BLOCK 34 A DEHYDRATION	FOREST OIL CORPORATION	OFFSHORE- FEDERAL 719	OL	0L	R	500	0
10/1/2011	10/31/2014	011435	GARDEN ISLAND BAY DEHYDRATION	FOREST OIL CORPORATION	PLAQUEMIN ES	LA	0L	R	500	0
10/1/2011	10/31/2014	011970	EUGENE ISLAND 224A	BP AMERICA PRODUCTION COMPANY	OFFSHORE- FEDERAL 709	OL	0L	R	500	0
10/1/2011	10/31/2014	011972	SOUTH MARSH ISLAND 79B	FOREST OIL CORPORATION	OFFSHORE- FEDERAL 707	OL	0L	R	500	0
10/1/2011	10/31/2014	012122	DELTA FARMS	PRIZE OPERATING COMPANY	LAFOURCHE	LA	0L	R	500	0
10/1/2011	10/31/2014	012394	VERMILION 273	SM ENERGY COMPANY	OFFSHORE- FEDERAL 706	OL	0L	R	500	0
10/1/2011	10/31/2014	020999	ZONE L LEG 500 POOLING AREA		PLAQUEMIN ES	LA	0L	R	500	20506

Total Receipt TQ 20506
Total Delivery TQ 20506

August 31, 2011

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 A-1
AMENDMENT NO. 244
SHOWING REQUESTED CHANGES
TO GAS TRANSPORTATION AGREEMENT
DATED November 1, 2004
BETWEEN
TENNESSEE GAS PIPELINE COMPANY
AND
COLUMBIA GAS OF KENTUCKY INC

Amendment Effective Date: October 1, 2011

Service Package: 46985

Service Package TQ: 20506 Dth

BEGINNING DATE	ENDING DATE	TQ

BEGINNING DATE	ENDING DATE	METER	METER NAME	INTERCONNECT PARTY NAME	COUNTY	ST	ZONE	R/D	LEG	METER-TQ	REQUESTED CHANGE QTY
10/1/2011	10/31/2014	010668	GRAND ISLE BLOCK 47 DEHYDRATION	APACHE CORPORATION	OFFSHO RE- FEDERA L 717	OL	OL	R	500	0	-797
10/1/2011	10/31/2014	010839	GRAND ISLE BLOCK 43 DEHYDRATION	APACHE CORPORATION	OFFSHO RE- FEDERA	OL	OL	R	500	0	-954

August 31, 2011

L 717											
10/1/2011	10/31/2014	011057	VERMILION 250 C	CASTEX OFFSHORE, INC.	OFFSHO RE- FEDERA L 705	OL	OL	R	500	0	-8955
10/1/2011	10/31/2014	011091	SOUTH MARSH ISLAND 61 B	CHEVRON U.S.A INC.	OFFSHO RE- FEDERA L 707	OL	OL	R	500	0	-2108
10/1/2011	10/31/2014	011294	SOUTH PASS BLOCK 77 A	HILCORP ENERGY COMPANY	OFFSHO RE- FEDERA L 722	OL	OL	R	500	0	-2108
10/1/2011	10/31/2014	011435	GARDEN ISLAND BAY DEHYDRATION	FOREST OIL CORPORATION	PLAQUE MINES	LA	OL	R	500	0	-2827
10/1/2011	10/31/2014	011970	EUGENE ISLAND 224A	APACHE CORPORATION	OFFSHO RE- FEDERA L 709	OL	OL	R	500	0	-1053
10/1/2011	10/31/2014	012122	DELTA FARMS	TEXAS PETROLEUM INVESTMENT COMPANY	LAFOUR CHE	LA	OL	R	500	0	-1704
10/1/2011	10/31/2014	020999	ZONE L LEG 500 POOLING AREA		PLAQUE MINES	LA	OL	R	500	20506	20506

Total Receipt TQ 20506

Total Delivery TQ 0

Number of Receipt Points: 1

August 31, 2011

Number of Delivery Points: 0

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.

COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020

3. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Items 1(a) and (b). Generally explain how contract terms relate to the risk assumed by Columbia Kentucky.

Response:

Columbia's firm design day capacity requirements are based on customer demand at a design day temperature based upon a 1-in-20 risk of occurrence. Columbia then uses a 1-in-10 seasonal degree day requirement to define the level of customer demand it designs for under its colder-than-normal design parameters.

**COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020**

4. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 1(c). Confirm that Columbia Kentucky reevaluates the need and existing options for gas supply at the end of every contract term.

Response:

Yes, Columbia evaluates the need and available options in advance of a contract term expiration to ensure it has adequate opportunity to compare the available alternatives.

**COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020**

5. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 2.
 - a. Explain and provide examples of Columbia Kentucky's knowledge of the Federal Energy Regulatory Commission (FERC) precedent mentioned in the response.
 - b. Explain whether FERC has any standardized requirements for discounted special contracts, similar to the Commission's requirements for Economic Development Rates or threat-of-bypass customers.

Response:

- a. and b. In referring to precedent Columbia is referring to the Federal Energy Regulatory Commission's ("FERC") policy on pipeline discounting reaffirmed in Docket No. RM5-2-000. The FERC policy allows interstate pipelines to selectively discount their gas transportation rates, on a non-discriminatory basis, in order to

meet competition. *Policy for Selective Discounting by Natural Gas Pipelines*, Docket No. RM05-2-000, 111 FERC ¶ 61,309 (May 31, 2005) (hereinafter "*Selective Discounting Policy*"). Such discounts are permitted irrespective of the nature of the competitive alternative, which could be an alternate fuel, another transporter of natural gas, or capacity release. The purpose of such discounts is to benefit all customers by allowing the pipeline to maximize its throughput, thus spreading its fixed costs over more units of service. The pipeline is not, however, permitted to discount its variable costs, and the discounted rate cannot fall below the minimum rate set forth in its FERC-approved tariffs, which is based upon average variable costs, properly allocated to the respective service. The pipelines are required to post certain information concerning selective discounts on their websites, including, among other things, the name of the shipper, the rate actually charged, the volumes, receipt and delivery points, and the duration of the contract. They are not, however, required to post the reasons for the discounts, including the nature of the competitive alternatives that justified them. That information is not made public. As a result, the Company cannot provide specific examples of the competitive alternatives that may have justified discounts granted to other shippers. Since the discounted rate cannot fall below either the cost of the competitive alternative or the pipeline's minimum tariff rate for transportation

service, both of which can be expected to rise over time in light of general inflationary pressures, it is wholly unrealistic to expect the Company to negotiate progressively steeper discounts in the future.

**COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020**

6. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 3(a). This answer is non-responsive to the question posed. As initially requested, explain in detail how Columbia Kentucky was able to negotiate with TCO Corporation to not be subject to the Capital Cost Recovery Mechanism (CCRM) rider. Provide documentation where applicable.

Response:

CONFIDENTIAL

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020**

7. Refer to Columbia Kentucky's response to Item 3(b) of Staff's First Rehearing Request. Provide the amount of the TCO CCRM rider and other TCO riders paid by each NiSource affiliate and the effective dates of each.

Response:

Please see Attachment Staff 2-7. These riders are paid for all firm transportation services contracted by each NiSource affiliate of Columbia that contract for service from TCO. Attachment Staff 2-7 lists the various TCO base rate riders authorized by FERC from February 1, 2011 through February 1, 2020. Please note that Attachment Staff 2-7 primarily provides the rider values effective February 1st of each calendar year² with the exception of January 1, 2013 the first January in which the OTRA became effective. TCO's TCRA and EPCA riders change once annually while the OTRA rider changes each winter and summer. Additionally, please note

² Pursuant to the Settlement provision in TCO Modernization I and Modernization II settlements the effective date of the initial CCRM and subsequent annual changes occurs on February 1st of each year.

that effective February 1, 2019, the settlement in TCO's Modernization II proceeding provided for a roll-in of the full Modernization I CCRM and a simultaneous base rate reduction of \$0.068 per Dth applied to the FTS and SST rates. On Attachment Staff 2-7, effective February 1, 2019 Columbia is adding the CCRM rates from TCO Modernization I and II and reduces that by \$0.068 to reflect the full ongoing impact of the TCO Modernization projects.

Columbia Gas of Kentucky, Inc.

Columbia Gas Transmission, LLC Transportation Service Riders
Attachment Staff 2-7

Rate Schedule SST

Effective Date	TCRA	EPCA	OTRA	CCRM
2/1/2011				
Demand Cost	\$ 0.3380	\$ 0.0480		
Commodity Cost	\$ 0.0043	\$ 0.0013		
2/1/2012				
Demand Cost	\$ 0.0570	\$ 0.0050		
Commodity Cost	\$ 0.0076	\$ 0.0020		
1/1/2013				
Demand Cost	\$ 0.3400	\$ 0.0610	0.053	
Commodity Cost	\$ 0.0042	\$ 0.0090		
1/1/2014				
Demand Cost				
Commodity Cost	\$ 0.3350	\$ 0.0650	0.121	
	\$ -	\$ 0.0068		
2/1/2014				
Demand Cost	\$ 0.3350	\$ 0.0650	\$ 0.1210	\$ 0.3930
Commodity Cost	\$ -	\$ 0.0068	\$ -	\$ -
2/1/2015				
Demand Cost	\$ 0.2800	\$ 0.0590	\$ 0.1290	\$ 0.7190
Commodity Cost	\$ -	\$ 0.0050	\$ -	\$ -
2/1/2016				
Demand Cost	\$ 0.2580	\$ 0.0590	\$ 0.1150	\$ 1.0440
Commodity Cost	\$ (0.0002)	\$ 0.0078	\$ -	\$ -
5/1/2016				
Demand Cost	\$ 0.2320	\$ 0.0700	\$ 0.0730	\$ 1.0440
Commodity Cost	\$ (0.0007)	\$ 0.0084	\$ -	\$ -
2/1/2017				
Demand Cost	\$ 0.2320	\$ 0.0700	\$ 0.0190	\$ 1.3360
Commodity Cost	\$ (0.0007)	\$ 0.0084	\$ -	\$ -
2/1/2018				
Demand Cost	\$ 0.2050	\$ 0.0650	\$ (0.0160)	\$ 1.4870

Commodity Cost	\$ 0.0003	\$ 0.0104	\$ -	\$ -
----------------	-----------	-----------	------	------

2/1/2019

Demand Cost	\$ 0.2240	\$ 0.0770	\$ 0.0620	\$ 1.8930
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Commodity Cost	\$ 0.0005	\$ 0.0080	\$ -	\$ -
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	\$ 0.0079	\$ 0.0105	\$ 0.0020	\$ 0.0622
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2/1/2020

Demand Cost	\$ 0.2900	\$ 0.0580	\$ 0.0890	\$ 2.2090
-------------	-----------	-----------	-----------	-----------

Commodity Cost	\$ 0.0016	\$ 0.0044	\$ -	\$ -
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	\$ 0.0111	\$ 0.0063	\$ 0.0029	\$ 0.0726
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COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020

8. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 3(c). Explain whether the avoidance of the CCRM rider would have occurred if Columbia Kentucky did not have a Performance-Based Rate (PBR) mechanism. Explain the answer in full detail.

Response:

While Columbia would not have changed its approach in Columbia Gas Transmission's (TCO) Modernization discussion if it did not have a PBR mechanism, Columbia cannot assume with complete assurance that TCO would have granted avoidance of the CCRM if it knew Columbia did not have a PBR mechanism.

COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020

9. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 4(b). State whether Columbia Kentucky was subject at any time to the CCRM rider approved January 2013. If so, provide the amount of the rider, the period it was charged, and the timing and circumstances of it ultimately being avoided.

Response:

Columbia pays the CCRM on its Firm Transportation Service (FTS) contracts with Columbia Gas Transmission, LLC. Please see Attachment Staff 2-7 for the amounts of the CCRM rider and timing on the annual changes.

COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020

10. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 7.
 - a. Explain in further detail the "significant financial risk" that was created by the Commission's final Order dated October 22, 2019.
 - b. Describe the steps Columbia Kentucky has taken to mitigate incremental risk in its winter season planning process.

Response:

- a. The significant financial risk relates to two separate concerns: first, under the purchase gas cost component of the PBR, Columbia's purchases are measured against a basket of indices related to first of the month, weekly and daily purchases based on how and when those purchases are made. Since Columbia must purchase certain levels of supply at various points during a particular month in order to ensure maximum reliability for its customers, pricing patterns can and have

developed where these purchases compared against the basket of indices result in a loss under the PBR.

The second risk pertains to the benchmark set by the Commission related to the TCI component of the PBR. Since Columbia is presently negotiating with Columbia Gas Transmission the Order dated October 22, 2019 (“Order”) basically establishes the prior discount rate as a defacto maximum rate for purposes of the TCI and that conditions will always exist where a lower future rate is available to Columbia. The scenario could arise where Columbia has negotiated a discount below the FERC established just and reasonable rate for the services provided by TCO but Columbia would lose money under the TCI because of the benchmark established by the Commission in the Order. It is not acceptable to the Company to place itself at financial risk for effectively negotiating discounted capacity costs on behalf of its customers and ensuring maximum reliability for its customers.

b. Columbia has long established plans for ensuring service to its customers under a 1-in-20 design day and a 1-in-10 colder than normal design winter. Columbia has additional flexibility within its portfolio to manage a winter season colder than its design should that occur. Columbia also plans for adequate flexibility in its planning process to manage for a 1-in-10 warmer than normal winter and can take additional steps as needed to manage warmer conditions.

**COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020**

11. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 9(n). Explain in further detail why Columbia Kentucky is "currently renegotiating its capacity portfolio with an intended design to reduce current capacity levels on Columbia Gas Transmission and/or Central Kentucky Transmission." The explanation should include the reasons for the contemplated reductions, any projected cost savings or other benefits to Columbia Kentucky and its customers, and alternatives to meeting Columbia Kentucky's capacity requirements following any such reduction.

Response:

The reasoning behind the intended reduction in Columbia Gas Transmission and/or Central Kentucky Transmission capacity levels is to more accurately align its capacity levels to forecasted demand of its customers for which it is responsible to acquire and manage such capacity. Columbia anticipates annual costs savings of approximately \$3 million. Since the capacity Columbia is looking to reduce

currently is deliverable to Columbia city gates and there is no currently known market for this capacity, Columbia anticipates it could reacquire this capacity in the future, if needed.

COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020

12. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 10(b) Provide the high and low gas prices for 2001.

Response:

The reported high NYMEX price for 2001 was \$9.978 per Dth in January and the reported low was \$1.83 per Dth in October.

**COLUMBIA GAS OF KENTUCKY, INC.
RESPONSE TO COMMISSION STAFF'S SECOND REHEARING
INFORMATION REQUESTS
DATED FEBRUARY 13, 2020**

13. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 10(c).
 - a. State whether Columbia Kentucky believes that its current competitive environment and the possibility of its customers fuel switching could be as effective as the PBR in ensuring it achieves the lowest possible gas cost consistent with security of supply.
 - b. Provide a detailed discussion of the meaning of the last three sentences of this response.

Response:

- a. Columbia does not see a direct correlation between customers fuel switching and the PBR in ensuring the lowest possible gas cost consistent with

security of supply. Columbia is more inclined to see an inverse impact due to fuel switching where costs would be higher.

b. Columbia is the beneficiary of incurring only a fraction of the costs it would incur should it directly employ individuals to perform the gas supply function it currently receives from NiSource Corporate Services Energy Supply & Optimization (“ES&O”) department. ES&O management must direct the allocation of its limited resources to where the greater incentive is provided. Many incentive related products are fungible, i.e. can be made available to multiple parties at various locations. Those parties that have the greater incentive to realize value from any given transaction will naturally rise to the top and be the first to execute an opportunity. If Columbia is not provided a reasonable incentive mechanism it will not place itself at financial risk nor devote scarce resources that could otherwise be employed in less risky, greater reward activities.

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14. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Items 10(c) and 14(a)-(b). Explain how Columbia Kentucky can assert that greater savings are accomplished under the PBR than absent the mechanism but that it would not alter its behavior absent the mechanism.

Response:

While Columbia would not alter its activities regarding procuring supplies in a least cost manner consistent with supply reliability, Columbia would not be the recipient of a disproportionate share of the scarce resources potentially available to it through NiSource Corporate Services' Energy Supply and Optimization department that could be otherwise employed to generate opportunities under the incentive mechanisms of Columbia's NiSource affiliates.

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15. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 11, in which Columbia Kentucky confirms that only itself, Atmos, and LG&E have an approved PBR mechanism in the state of Kentucky. Explain in full detail how the other natural gas utilities in Kentucky are able to procure a low cost, reliable gas supply without a PBR mechanism.

Response:

Columbia cannot speculate particularly how other natural gas utilities in Kentucky are able to procure a low cost, reliable gas supply without a PBR Mechanism. Columbia is able to procure low cost, reliable gas supply without a PBR mechanism, however, a PBR mechanism is an incentive for the company to go beyond the procurement of low cost, reliable gas supply and create opportunities that provide additional cost benefits for customers.

KY PSC Case No. 2017-00453
Commission Staff's Information Request Set 2 No. 16
Respondent: Michael D. Anderson

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16. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 14(c). Explain in detail the specific risks and related market conditions.

Response:

Please see response to Staff's Second Rehearing Request Item 10(a)

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17. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 17. Explain in full detail why Columbia Kentucky does not track administrative costs associated with the PBR mechanism at a detailed level.

Response:

NiSource Corporate Services Energy Supply & Optimization ("ES&O") department provides a large number of often interacting services that relate to both PBR and non-PBR activities. For example, ES&O releases capacity to both Choice marketers as well as open market releases that make their way into the PBR mechanism; to stop, allocate, and track these similar activities would be time consuming and stretch the limited resource of ES&O. Another example would be a discussion amongst ES&O planners and traders about daily, weekly or monthly needs. These discussion naturally incorporate components of normal purchasing activities as well as other opportunities that are covered under the PBR. Besides the additional burden of recording such individual activities it is practically

impossible to determine and assign what percentage of the discussion should be allocated to each activity. These are but a few of many activities, some which may only take a few moments while other hours that are not practical to individually track.

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18. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Items 17 and 21. Explain whether Columbia believes that its PBR mechanism adequately compensates its customers for the cost of its extra effort in PBR-related activities, given that the cost of PBR-related activities are recovered through base rates.

Response:

The Company believes the PBR mechanism in place prior to the Commission's October 22, 2019 Order ("Order") adequately compensates its customers as it recognizes risks inherent to Columbia that customers are not exposed to (please see Columbia's response to Staff's Second Rehearing Request No. 10). Under the revised structure of the PBR as set forth in the Order Columbia believes its customers would be disproportionately compensated (beneficially) given the heightened risks to Columbia. Columbia customers are significant beneficiaries of the expertise of NiSource Corporate Services Energy Supply & Optimization

("ES&O") department paying only a fraction of the costs Columbia would incur if it were to independently hire staff to perform the functions managed by ES&O. Thus, while Columbia does recover the allocated ES&O costs through base rates customers are disproportionately compensated under the PBR for the greater expertise and resources rendered through ES&O.

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19. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 18. Provide a more detailed summary discussion of the NIPSCO Gas Company's and Bay State Gas Company's gas procurement incentive/sharing mechanisms.

Response:

As noted in the response to Staff's First Rehearing Request, Item 18 the market environment that Bay State Gas Company and NIPSCO Gas Company operate in are different and completely unconnected to the market that Columbia operates within.

Bay State Gas Company receives 10% of all capacity release, off-system sales and Asset Management Arrangement revenues received. Bay State keeps 100% of any revenue generated via its on-system resources.

NIPSCO Gas Company's incentive sharing mechanism is as stated below:

The gas purchase mechanism rewards and/or penalizes the Company for its performance of gas supply acquisition when compared to a market standard Benchmark. A Benchmark Price that (1) for first of month (FOM) purchases are an average of FOM spot market natural gas commodity prices as published in NGI's Bidweek Survey and in Inside FERC's Gas Market Report. Purchases designated as not made on the first of the month are the average of the published Gas Daily Price Survey, and NGI's Daily Gas Price Index applicable as of the date of purchase. These prices reflect the geographic locations where the gas was purchased and delivered to the primary and secondary receipt points of the Company's transportation capacity. The Benchmark Price is determined for each month FOM pricing and each day's Daily Pricing. The Benchmark Dollars are calculated by applying the Benchmark Prices from the indices to the actual units purchased. The aggregated dollars are the Benchmark Dollars which are compared to the Company's actual gas commodity purchases on a monthly basis in order to determine the Company's performance under the Gas Cost Incentive Mechanism. If the Company's actual gas commodity purchase dollars are less than the Benchmark Dollars, a Positive Performance exists. If the Company's actual gas commodity purchase dollars are greater than the Benchmark Dollars

plus the Tolerance Band, a Negative Performance exists. Sharing of the dollar differences between the Company and the Customers are as follows:

Negative Differential (Actual cost > Benchmark Price)

% of Benchmark Price	% of Sharing	% of Sharing
above Benchmark Price >0%	Customer 50%	Company 50%

Positive Differential (Actual cost < Benchmark Price)

% of Benchmark Price	% of Sharing	% of Sharing
above Benchmark Price >0%	Customer 50%	Company 50%

The Capacity Release Mechanism provides potential revenue via the release of interstate pipeline capacity not assigned to Choice Suppliers. The revenue is shared: 85% credited to customers through the GCA mechanism and 15% retained by NIPSCO.

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20. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 19.
- a. Based upon Columbia Kentucky's response to the question, confirm that there are only 12 other states that have a PBR type mechanism.
 - b. Confirm that the Maryland Public Service Commission Order referenced in the response discusses different forms of alternative regulation and does not appear to discuss gas cost PBR specifically.
 - c. State whether Columbia Kentucky can confirm that Spire Missouri is still authorizing a Gas Cost Incentive Plan.
 - d. State whether Columbia Kentucky can confirm that New Jersey Natural Gas Company and New York State Electric & Gas Company are currently authorized gas cost incentive programs.

- e. State whether Columbia Kentucky can confirm whether Oklahoma gas utilities have authorized gas cost incentive programs.
- f. According to its tariff, confirm that Piedmont Natural Gas in Tennessee is subject to a \$1.6 million cap on incentive gains and losses.
- g. State whether Columbia Kentucky can confirm that Washington Gas Light in Virginia is still operating under gas cost PBR.
- h. Provide Columbia Kentucky's understanding of the referenced Wisconsin Alliant gas cost recovery mechanism, and whether it contains an incentive component.

Response:

- a. Columbia was able to identify 12 states with a PBR type mechanism using data it received from the American Gas Association. It is possible that PBR type mechanisms exist in other states, perhaps by different regulatory constructs that do not specifically identify the mechanism(s), or for non-gas utilities.
- b. Order No. 89226 of the Maryland Public Service Commission dated August 9, 2019 discusses a broad variety of alternative forms of regulation and established a working group with a timeline for integration of performance-based measures

into a multi-year rate plan to address state policy objectives that are not already addressed in existing regulatory measures.. PBR is one of the alternative methods discussed in the Order. While gas cost is not specifically named in the PBR section of the Order, the Order does recognize that PBRs are flexible and can be adjusted to meet the needs of a particular jurisdiction, and can be designed to directly support operational efficiency and reduced cost. Columbia understands this to mean that it is possible to design a PBR for a specific purpose(s). A PBR designed to incentivize gas cost savings would be one-such purpose. In fact, Columbia Gas of Maryland currently has an authorized PBR, as described in Columbia's Response to the Commission Staff's First Rehearing Information Request No. 18, that is designed for limited elements of gas cost.

c. Spire Missouri operates as Spire East and Spire West. Both companies are authorized to operate gas cost incentives plans. The incentive plan for Spire East includes a gas commodity price component that is not included in the incentive plan for Spire West.

d. Columbia has requested information but not been able to independently confirm the activities of New Jersey Natural Gas Company and New York State

Electric & Gas Company. Columbia will provide any updated information upon its receipt.

e. The PBR programs in Oklahoma, as described in Columbia's response to Staff's First Rehearing Request, Item 19, are associated with energy efficiency programs and not specifically gas cost.

f. The shareholder portion of the incentive for Piedmont Natural Gas in Tennessee is limited to a cap of \$1.6 million annually.

g. Columbia's reading of the tariff of Washington Gas Light Virginia is that company operates under a PBR that is broader than just gas cost but includes a gas cost component specific to hexane expense.

h. The Wisconsin Alliant gas cost recovery mechanism uses the term "benchmark" and that term is also used in incentive plans. However, in Columbia's reading of the tariff, the term is not associated with an incentive component for Wisconsin Alliant and should not have been included in Columbia's prior response.

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21. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 21. Explain whether NiSource performs all aspects of Columbia Kentucky's gas procurement or just the PBR mechanism component.

Response:

The Energy Supply & Optimization department of NiSource Corporate Services performs all aspects of Columbia's gas procurement.

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22. Refer to Columbia Kentucky's response to Staff's First Rehearing Request, Item 22. Explain in full detail how it is possible for a local distribution company to be charged more than the FERC approved rate for transportation under a negotiated rate agreement.

Response:

FERC policy allows parties to a service agreement, provided under a FERC approved tariff, to negotiate terms of the service agreement, including prices higher than the FERC approved rate. Presumably the non-pipeline party is willing to pay a price higher than that approved by FERC as a trade-off for other service provisions provided by the pipeline. Under this provision, the agreement must be approved by FERC. Without such a jointly negotiated service agreement, the maximum rate a pipeline may charge under its FERC approved tariff is the maximum rate approved by FERC.