

UGI Penn Natural Gas, Inc.
1307(f) Annual Purchased Gas Cost Filing – 2016
Docket No. R-2016-_____

Table of Contents & Witness Index

Book 1 – Filed April 29, 2016

Supporting Information Pursuant to §§ 53.64(c) and 53.65 and 66 Pa. C.S. § 1317

	<u>Witness</u>
Section 1 - §53.64 (c)(1) Sources of Gas Supply	A. M. Borelli
Attachment(s): 1-A-1 Volumes, Rates, Cost – 04/2015 – 03/2016	A. M. Borelli
1-B-1 Volumes, Rates, Cost – 04/2016 – 11/2016	
1-B-2 Volumes, Rates, Cost – 12/2016 – 11/2017	
1-C-1 Volumes – 04/2015 – 11/2017	
Section 2 - § 53.64(c)(3) Other Sources of Gas Supply	A. M. Borelli
Attachment(s): 2-A-1 Spot Purchase Bids & Acceptances	A. M. Borelli
2-A-2 Upstream Transportation Activities	
Section 3 - § 53.64(c)(4) FERC Proceedings	D. C. Beasten
Section 4 - §53.64(c)(5) Supply/Demand Projections	A. M. Borelli / T.A. Hazenstab
Attachment(s): 4-1 IRP Contract Year Supply/Demand Balance	A. M. Borelli
Section 5 - §53.64(c)(6) Fuel Procurement Practices	A. M. Borelli / D.C. Beasten
Attachment(s): 5-1 Organization Chart	A. M. Borelli
Section 6 - §53.64(c)(7) Off-System Sales	A. M. Borelli
Section 7 - §53.64(c)(8) Transportation Agreements	T. A. Hazenstab
Attachment(s): 7-1 Rate DS Service Agreement	T. A. Hazenstab
Section 8 - §53.64(c)(9) End User Transportation Volumes	T. A. Hazenstab
Section 9 - §53.64(c)(10) System Map	A. M. Borelli
Section 10 - §53.64(c)(11) Rate Structure Changes	T. A. Hazenstab
Section 11 - §53.64(c)(12)-(14) Peak Day	A. M. Borelli
Attachment(s): 11-1 Experienced 3-Day Peak Periods	A. M. Borelli
Section 12 - §53.54(i) PGC Revenue/Expense	T. A. Hazenstab
Attachment(s): 12-1 PGC Revenue – Expense Statement	T. A. Hazenstab
Section 13 - §53.65 Affiliated Purchases	A. M. Borelli
Attachment(s): 13-1 Purchases from Affiliates	A. M. Borelli
Section 14 – 66 Pa. C.S. § 1317(c) Reliability Plans	A. M. Borelli
Attachment(s): 14-1 Capacity to Meet Firm Peak Day Requirements	A. M. Borelli
14-2 Load Duration Curve	

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 1 [52 Pa. Code §53.64(c)(1)] SOURCES OF GAS SUPPLY

A complete list in schedule format of each spot and each long term source of gas supply, production, transportation and storage, used in the past 12 months, which 12-month period shall end 2 months prior to the date of the tariff filing, separately setting forth on a monthly basis the quantity and price of gas delivered, produced, transported or stored, maximum daily quantity levels, maximum annual quantity levels, a detailed description of warrantee or penalty provisions, including liquidated damages, take or pay provisions or minimum bill or take provisions of the purchases, balancing provisions and copies of Federal tariffs and contract provisions relating to the purchases--including demand and commodity components. With regard to each contemplated future source of supply, production, transportation or storage, during each of the next 20 months for each source, provide the name of the source, the maximum daily quantity, the maximum annual quantity, the minimum take levels, a detailed description of warrantee or penalty provisions, including liquidated damages, take or pay provisions or minimum bill or take provisions of the purchases, balancing provisions and contractual or tariffed terms of the purchases, copies of applicable Federal tariffs, the expiration date of each contract, the date when each contract was most recently negotiated and the details of the negotiation--such as meeting held, offers made, and changes in contractual obligation--and whether current proceedings, negotiations or renegotiations are pending before the Federal Energy Regulatory Commission, and the like, to modify the price, quantity or another condition of purchase, and if so, the details of the proceedings, negotiations or renegotiations. Gas supply sources which individually represent less than 3% of the total system supply may be shown collectively, such as other local gas purchases.

RESPONSE:

PGC Supplies:

Section 1-A provides the requested information for the PGC supplies for the historic twelve-month period ending March 31, 2016. Section 1-B addresses the prospective twenty-month period. Section 1-C shows End-user Transportation volumes.

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 1-A [52 Pa. Code §53.64(c)(1)] SOURCES OF GAS SUPPLY

Provide a complete listing of all sources of gas supply used in the past twelve (12) months, which 12-month period shall end two months prior to the date of the tariff filing, separately setting forth on a monthly basis:

- (1) The quantity and price of gas delivered;
- (2) The details of any take-or-pay provisions or minimum bill provisions;
- (3) The details of the rate designs of the purchases (including demand and commodity percentages).

RESPONSE:

- (1) The quantity, maximum daily quantities, and price of gas delivered for the past twelve (12) months are shown on Attachment 1-A-1.
- (2) UGI Penn Natural Gas, Inc. ("PNG") has no take-or-pay provisions or minimum bill provisions in any contract.
- (3) Demand and commodity rate design are mostly Straight Fixed Variable. Details of the rate design changes are reflected on the applicable pipeline tariffs.

Details of the historic demand charges and a summary listing of the tariffs are shown on Attachment 1-A-1.

Details of current tariff provisions and currently effective rates can be found by accessing the following websites. The following table provides information about the web address of each pipeline EBB, the company or companies using that website, and the type of information available without an ID and password:

FERC TARIFFS ON PIPELINES SERVING UGI PNG

COLUMBIA / COLUMBIA GULF NAVIGATES

- <http://www.columbiapipeinfo.com>
- Informational Postings
- Tariff
- Columbia and Columbia Gulf

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

TENNESSEE PASSKEY

- <http://webapps.elpaso.com/PortalUI/DefaultKM.aspx?TSP=TGPD>
- Informational Postings
- Tariff

TRANSCO 1LINE

- <http://www.1line.williams.com/>
- Info Postings
- Tariff

UGI PENN NATURAL GAS, INC.
 PGC EXPERIENCED SUPPLY VOLUMES IN (DTH) OR (DTH/D)
 12 MONTHS ENDED MARCH 31, 2016
 COMMODITY

	2015 APRIL (DTH)	2015 MAY (DTH)	2015 JUNE (DTH)	2015 JULY (DTH)	2015 AUGUST (DTH)	2015 SEPTEMBER (DTH)	2015 OCTOBER (DTH)	2015 NOVEMBER (DTH)	2015 DECEMBER (DTH)	2016 JANUARY (DTH)	2016 FEBRUARY (DTH)	2016 MARCH (DTH)	TWELVE MONTH TOTAL
PRODUCER PURCHASES	(192,674)	(446,692)	(499,068)	(410,380)	(587,651)	(388,819)	(401,410)	227,037	(143,632)	(394,754)	(370,952)	(72,859)	(3,681,854)
SUPPLIER C	0	233,648	222,683	52,334	39,951	321,144	500,524	64,567	28,635	102,610	22,902	10,618	1,599,616
SUPPLIER D	68,790	71,083	68,790	71,083	71,083	68,790	146,083	284,365	282,299	285,933	51,435	0	1,469,734
SUPPLIER E	60,785	12,056			117,500		2,500	0	0	224,500	423,064	88,105	928,510
SUPPLIER F	565,660	223,048	71,334	214,505	252,700	24,114	0	0	10,000	250,679	138,610	122,196	1,872,846
SUPPLIER G	364,806	376,659	369,200	396,262	372,000	361,529	372,911	0	8,404	154,877	103,366	0	2,880,014
UGI ENERGY SVCS.	913,631	917,136	883,557	793,840	739,971	590,290	1,091,220	1,316,462	1,395,465	2,385,610	1,660,964	764,476	13,452,622
PEAKING SERVICE - UGI E. S.	0	0	0	0	0	0	0	0	0	0	0	0	0
LP-BEYOND THE MAIN	0	0	0	0	0	0	0	0	0	0	0	0	0
STG INJ TRANSCO LSS	(101,914)	(105,307)	(101,910)	(105,394)	(105,258)	(101,910)	(103,821)	0	0	0	0	0	(725,514)
STG INJ TRANSCO GSS	(311,356)	(472,279)	(445,868)	(381,450)	(375,761)	(336,362)	(245,224)	(223,053)	(84,893)	(49,742)	(50,893)	(131,271)	(3,108,152)
STG INJ TRANSCO SS-2	(184,266)	(162,978)	(152,121)	(162,707)	(182,446)	(157,910)	(165,655)	0	0	0	0	0	(1,168,083)
STG INJ TRANSCO ESS	(11,978)	(11,978)	(11,978)	(11,978)	(11,978)	(11,978)	(11,978)	0	0	0	0	0	(83,846)
STG INJ TENNESSEE FS-MA	0	0	0	0	0	0	0	0	0	0	0	0	0
STG INJ COLUMBIA FSS	0	(2,635)	(4,050)	(4,185)	(4,557)	(3,000)	(2,424)	(749)	(963)	0	0	0	(22,563)
STG WDL TRANSCO LSS	0	0	0	0	0	0	0	0	153,976	216,089	192,935	152,244	715,244
STG WDL TRANSCO GSS	185,968	0	0	0	0	0	7,979	105,420	506,194	834,842	725,438	588,374	2,954,215
STG WDL TRANSCO SS-2	0	0	0	0	0	0	0	0	64,225	476,191	624,498	0	1,164,914
STG WDL TRANSCO ESS	(412)	0	0	0	0	0	0	0	0	39,995	30,183	0	69,766
STG WDL TENNESSEE FS-MA	230,051	(1,080)	0	0	0	0	0	0	0	0	0	0	228,971
STG WDL COLUMBIA FSS	0	0	0	0	0	0	1,532	759	1,352	5,604	7,691	6,738	23,676
COMMODITY - DTH	1,587,091	630,681	400,569	451,930	325,554	365,888	1,192,237	1,774,808	2,156,837	4,120,468	3,410,934	2,153,119	18,570,116
PRODUCER PURCHASE - DTH	1,780,998	1,386,938	1,116,496	1,117,644	1,005,554	977,048	1,711,828	1,892,431	1,581,171	3,009,455	2,029,389	912,536	18,521,488
NET STORAGE - DTH	(193,907)	(756,257)	(715,927)	(665,714)	(680,000)	(611,160)	(519,591)	(117,623)	575,666	1,111,013	1,381,545	1,240,583	48,628

UGI PENN NATURAL GAS, INC.
 PGC EXPERIENCED UNIT RATES IN \$/DTH
 12 MONTHS ENDED MARCH 31, 2016
 COMMODITY

	2015 APRIL (\$/DTH)	2015 MAY (\$/DTH)	2015 JUNE (\$/DTH)	2015 JULY (\$/DTH)	2015 AUGUST (\$/DTH)	2015 SEPTEMBER (\$/DTH)	2015 OCTOBER (\$/DTH)	2015 NOVEMBER (\$/DTH)	2015 DECEMBER (\$/DTH)	2016 JANUARY (\$/DTH)	2016 FEBRUARY (\$/DTH)	2016 MARCH (\$/DTH)	TWELVE MONTH AVERAGE
PRODUCER PURCHASES	2.5442	1.8629	2.0179	2.4773	0.8835	0.3898	0.8386	3.5035	(4.4528)	0.3908	1.5867	(14.6941)	0.7036
SUPPLIER C	0.0000	1.0425	1.2498	1.0921	1.3975	1.1199	1.0808	1.3483	1.0630	1.8459	2.0684	1.3050	1.1900
SUPPLIER D	0.8400	0.7670	1.0650	1.0230	1.1360	0.8880	0.9176	1.1427	1.0485	1.3165	1.2731	0.0000	1.0866
SUPPLIER E	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	44.2150	0.0000	0.0000	1.2304	1.1941	1.0197	1.1344
SUPPLIER F	1.2732	1.3291	1.0696	1.1112	1.0184	1.0450	0.0000	0.0000	1.0550	1.3145	1.1038	0.9956	1.1899
SUPPLIER G	1.8866	1.8138	2.1024	2.0136	2.1860	1.9358	1.8643	0.0000	0.8235	1.6657	1.8633	0.0000	1.9484
UGI ENERGY SVCS.	2.3131	2.5701	2.2109	2.0125	2.0579	2.1083	1.9384	1.1318	1.1490	1.6564	1.4493	0.8681	1.7112
PEAKING SERVICE - UGI E. S.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LP-BEYOND THE MAIN	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STG INJ TRANSCO LSS	2.2169	2.9792	2.3797	2.2733	2.3853	2.0764	2.2617	0.0000	0.0000	0.0000	0.0000	0.0000	2.3697
STG INJ TRANSCO GSS	2.0546	2.0793	2.0068	1.9224	1.9337	1.7424	2.0271	0.8576	1.1297	1.9902	1.9187	1.0992	1.8299
STG INJ TRANSCO SS-2	2.1682	2.5750	2.2983	2.2237	2.3159	2.0359	2.1059	0.0000	0.0000	0.0000	0.0000	0.0000	2.2460
STG INJ TRANSCO ESS	2.5508	2.4778	2.7647	2.7227	2.8413	2.5933	2.5594	0.0000	0.0000	0.0000	0.0000	0.0000	2.6443
STG INJ TENNESSEE FS-MA	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STG INJ COLUMBIA FSS	0.0000	2.4771	2.8017	2.7381	2.8528	2.6210	2.2837	1.5300	0.7279	0.0000	0.0000	0.0000	2.5519
STG WDL TRANSCO LSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.5909	2.5908	2.5908	2.5908	3.6524
STG WDL TRANSCO GSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.1129	2.0617	2.0373	2.0395	2.0405	1.9222	1.8886
STG WDL TRANSCO SS-2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.3110	2.3109	2.3112	2.3111
STG WDL TRANSCO ESS	1.5825	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.7471	2.7508	0.0000	2.7556
STG WDL TENNESSEE FS-MA	4.1371	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	4.1566
STG WDL COLUMBIA FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.8427	2.8498	2.8417	2.9483	2.7524	2.7510	2.8146
COMMODITY COST PER DTH	2.2078	1.6665	1.7002	0.8304	2.3451	2.9533	1.8147	1.5350	1.8207	1.8603	1.7207	2.2305	1.8636
PRODUCER PURCHASE COST PER DTH	1.7346	2.0208	1.9816	1.5694	2.1985	2.2913	1.9040	1.4253	1.6377	1.7368	1.3710	2.1474	1.7721
NET STORAGE COST PER DTH	(2.1387)	2.3162	2.1390	2.0711	2.1283	1.8949	2.1088	(0.2302)	2.3233	2.1947	2.2345	2.2916	36.7043

UGI PENN NATURAL GAS, INC.
PGC EXPERIENCED COST OF GAS IN DOLLARS
12 MONTHS ENDED MARCH 31, 2016

	DEMAND												TWELVE	
	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2016	2016	2016	MONTH
	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	TOTAL	
	(\$'S)	(\$'S)	(\$'S)	(\$'S)	(\$'S)	(\$'S)	(\$'S)	(\$'S)	(\$'S)	(\$'S)	(\$'S)	(\$'S)		
COLUMBIA:FTS	47,345	47,515	47,515	47,515	47,515	47,515	47,515	47,515	47,221	47,236	49,755	49,755	573,917	
COLUMBIA:FTS	65,867	66,104	66,104	66,104	66,104	66,104	66,104	66,104	65,695	65,716	69,220	69,220	798,447	
COLUMBIA:SST	1,488	1,490	1,490	1,490	1,490	1,490	2,981	2,981	2,962	2,963	3,125	3,125	27,075	
COLUMBIA:GULF FTS-1	27,141	27,141	27,141	27,141	27,141	27,141	27,141	27,141	27,141	27,141	27,141	27,141	325,692	
COLUMBIA:FSS MDSQ	751	751	751	751	751	751	751	751	751	750	751	751	9,010	
COLUMBIA:FSS SCQ	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	12,217	
TENNESSEE FT-A	187,350	187,350	187,350	187,350	187,350	187,350	187,350	187,350	186,653	186,653	186,653	186,653	2,245,412	
TENNESSEE 171 FT-A	308,386	308,387	308,387	308,386	308,387	308,387	308,386	308,386	0	0	0	0	2,158,705	
TENNESSEE 190 FT-A	129,840	129,840	129,840	129,840	129,840	129,840	129,840	0	0	0	0	0	908,880	
TENNESSEE FT-G	64,995	41,828	25,738	24,131	24,131	41,754	53,333	13,139	13,622	12,953	13,812	15,797	345,233	
TENNESSEE 404 FT-G	0	0	0	0	0	0	0	4,958	9,519	10,844	9,683	6,742	41,746	
TENNESSEE FS-MA - CAPACITY	80,904	80,904	80,904	80,904	80,904	80,904	80,904	0	0	0	0	0	566,328	
TENNESSEE FS-MA - DEMAND	41,534	41,534	41,534	41,534	41,534	41,534	41,534	0	0	0	0	0	290,738	
TRANSCO ESS CAPACITY	6,339	6,550	6,339	6,550	6,550	6,339	6,550	6,339	6,550	6,550	6,127	6,538	77,321	
TRANSCO ESS DEMAND	6,327	6,538	6,327	6,538	6,538	6,327	6,538	6,327	6,538	6,538	6,116	6,550	77,202	
TRANSCO:LSS-CAPACITY	14,142	14,614	14,142	14,614	14,614	14,142	14,614	14,142	14,614	14,358	13,431	14,358	171,785	
TRANSCO:LSS-DEMAND	34,668	35,823	34,668	35,823	35,823	34,668	35,823	34,663	35,819	35,469	33,181	35,469	421,897	
TRANSCO:GSS-CAPACITY	43,670	45,126	43,670	45,126	45,126	43,671	45,126	43,670	45,126	45,126	42,215	45,126	532,778	
TRANSCO:GSS-DEMAND	171,004	176,704	171,004	176,704	176,704	171,004	176,704	170,987	176,686	176,686	165,287	176,686	2,086,160	
TRANSCO SS-2 CAPACITY	80,264	82,940	80,264	82,940	82,940	80,264	82,940	80,264	82,940	81,175	75,938	81,175	974,044	
TRANSCO SS-2 DEMAND	222,419	229,833	222,419	229,833	229,833	222,419	229,833	222,419	229,833	225,846	211,276	225,846	2,701,809	
TRANSCO FT DEMAND	921,197	951,903	921,197	951,903	951,903	921,197	951,903	767,307	255,869	255,869	239,360	255,868	8,345,476	
TRANSCO FT DEMAND - PSFT	0	0	0	0	0	0	0	0	100,743	100,743	94,243	0	295,729	
TRANSCO FT DEMAND - POCONO	1,286	1,329	1,286	1,330	1,329	1,286	1,329	1,286	1,329	1,329	1,244	1,329	15,692	
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	814,000	814,000	814,000	814,000	814,000	4,070,000	
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	1,334,400	1,334,400	1,334,400	1,334,400	1,334,400	6,672,000	
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	0	1,210,948	1,210,948	1,210,948	0	3,632,844	
UGIES PEAKING SERVICE DEMAND	0	0	0	0	0	0	0	0	0	89,337	89,337	89,337	268,010	
GLOBAL VIEW	217	217	211	211	211	211	211	0	422	211	211	211	2,544	
SUPPLIER A	0	0	0	0	0	0	0	0	(52,800)	0	0	0	(52,800)	
SUPPLIER B	222	230	222	230	230	222	230	371	383	383	358	15,314	18,395	
OPTIONS	387	415	75,421	435	453	426,459	668	0	331,348	367	367	347	836,667	
UGIES FIRM DELIVERED SUPPLY	401,500	401,500	401,500	401,500	401,500	401,500	401,500	401,500	401,500	401,500	401,500	401,500	4,818,000	
CAPACITY RELEASE /INCENTIVE SHARING	(1,040,526)	(1,000,423)	(1,016,400)	(1,045,887)	(1,039,299)	(1,117,398)	(1,123,063)	(1,615,528)	(1,099,016)	(834,110)	(896,474)	(744,187)	(12,572,310)	
PGC CREDIT STANDBY & STORAGE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGC CREDIT FOR BAL. SERVICE	(87,637)	(76,329)	(67,107)	(68,551)	(68,403)	(70,498)	(69,316)	(71,531)	(72,915)	(65,262)	(104,948)	(80,986)	(903,483)	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
DEMAND COST	1,732,099	1,810,832	1,812,935	1,755,463	1,762,217	2,075,600	1,708,447	2,561,573	4,178,898	4,256,737	4,099,275	3,039,084	30,793,159	

UGI PENN NATURAL GAS, INC.
 PGC EXPERIENCED COST OF GAS IN DOLLARS
 12 MONTHS ENDED MARCH 31, 2016
 COMMODITY

	2015 APRIL (\$\$'S)	2015 MAY (\$\$'S)	2015 JUNE (\$\$'S)	2015 JULY (\$\$'S)	2015 AUGUST (\$\$'S)	2015 SEPTEMBER (\$\$'S)	2015 OCTOBER (\$\$'S)	2015 NOVEMBER (\$\$'S)	2015 DECEMBER (\$\$'S)	2016 JANUARY (\$\$'S)	2016 FEBRUARY (\$\$'S)	2016 MARCH (\$\$'S)	TWELVE MONTH TOTAL
PRODUCER PURCHASES	(490,200)	(832,148)	(1,007,090)	(1,016,626)	(519,205)	(151,580)	(336,614)	795,426	639,568	(154,270)	(588,592)	1,070,595	(2,590,736)
SUPPLIER C		243,569	278,319	57,153	55,832	359,635	540,946	87,059	30,440	189,407	47,371	13,856	1,903,586
SUPPLIER D	57,784	54,521	73,261	72,718	80,750	61,086	134,040	324,933	295,992	376,437	65,483	0	1,597,005
SUPPLIER E			61,890	6,932			110,538		2,638	276,234	505,198	89,838	1,053,267
SUPPLIER F	720,199	296,448	76,302	238,356	257,348	25,199	0	0	10,550	329,526	152,999	121,662	2,228,589
SUPPLIER G	688,258	683,169	776,213	797,895	813,192	699,844	695,223	0	6,921	257,972	192,601	0	5,611,288
UGI ENERGY SVCS.	2,113,282	2,357,118	1,953,498	1,597,628	1,522,791	1,244,492	2,115,167	1,489,922	1,603,399	3,951,591	2,407,181	663,605	23,019,675
PEAKING SERVICE - UGI E. S.	0	0	0	0	0	0	0	0	0	0	0	0	0
LP-BEYOND THE MAIN	0	0	0	0	0	0	0	0	0	0	0	0	0
STG INJ TRANSCO LSS	(225,935)	(313,734)	(242,513)	(239,587)	(251,068)	(211,609)	(234,811)	0	0	0	0	0	(1,719,257)
STG INJ TRANSCO GSS	(639,712)	(982,018)	(894,756)	(733,297)	(726,604)	(586,081)	(497,089)	(191,292)	(95,901)	(98,996)	(97,648)	(144,295)	(5,687,689)
STG INJ TRANSCO SS-2	(399,530)	(419,669)	(349,613)	(361,813)	(422,530)	(321,482)	(348,846)	0	0	0	0	0	(2,623,483)
STG INJ TRANSCO ESS	(30,553)	(29,679)	(33,116)	(32,613)	(34,033)	(31,062)	(30,656)	0	0	0	0	0	(221,712)
STG INJ TENNESSEE FS-MA	0	0	0	0	0	0	0	0	0	0	0	0	0
STG INJ COLUMBIA FSS	0	(6,527)	(11,347)	(11,459)	(13,000)	(7,863)	(5,536)	(1,146)	(701)	0	0	0	(57,579)
STG WDL TRANSCO LSS	759,293	0	0	0	0	0	0	0	398,937	559,833.00	499,857	394,434	2,612,354
STG WDL TRANSCO GSS	0	0	0	0	0	0	16,859	217,349	1,031,285	1,702,697.00	1,480,240	1,130,959	5,579,389
STG WDL TRANSCO SS-2	0	0	0	0	0	0	0	0	0	148,421.00	1,100,449	1,443,337	2,692,207
STG WDL TRANSCO ESS	(652)	0	0	0	0	0	0	0	0	109,869.00	83,027	0	192,244
STG WDL TENNESSEE FS-MA	951,746	0	0	0	0	0	0	0	0	0.00	0	0	951,746
STG WDL COLUMBIA FSS	51	0	0	0	0	0	4,355	2,163	3,842	16,522.00	21,169	18,536	66,638
STG WDL NYSEG - SENECA	0	0	0	0	0	0	0	0	0	0	0	0	0
COMMODITY - \$\$'S	3,504,031	1,051,051	681,048	375,287	763,473	1,080,579	2,163,575	2,724,414	3,926,969	7,665,243	5,869,335	4,802,527	34,607,531
TOTAL PGC \$\$'S	5,236,130	2,861,883	2,493,983	2,130,750	2,525,690	3,156,179	3,872,022	5,285,987	8,105,867	11,921,980	9,968,610	7,841,611	65,400,690
PRODUCER PURCHASE - \$\$'S	3,089,323	2,802,677	2,212,393	1,754,056	2,210,708	2,238,676	3,259,299	2,697,340	2,589,507	5,226,897	2,782,241	1,959,557	32,822,674
NET STORAGE - \$\$'S	414,708	(1,751,627)	(1,531,345)	(1,378,769)	(1,447,235)	(1,158,097)	(1,095,724)	27,074	1,337,462	2,438,346	3,087,094	2,842,970	1,784,858

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 1-B [52 Pa. Code §53.64(c)(1)] SOURCES OF GAS SUPPLY

Provide the quantity, price, and sources of gas contemplated to be used during each of the next twenty (20) months, including:

- (1) The expiration date of each contract;
- (2) The date which each contract was most recently negotiated and the details of such negotiations (e.g., meetings held, offers made, and changes in contractual obligations);
- (3) Whether any current proceedings, negotiations or renegotiations are pending (before the FERC, etc.) to modify the price, quantity, or any other condition of purchase, and if so, the details of such proceedings, negotiations or renegotiations.

RESPONSE:

The quantity, price, and sources of gas contemplated for use during each of the next eight months (April 2016 through November 2016) are shown on Attachment 1-B-1; and for the 1307(f) Purchased Gas Cost Period, December 2016 through November 2017, on Attachment 1-B-2. Also reference Book 2 testimony as needed.

Contract Dates: The following is a listing of firm contract terms and expiration dates for all applicable services and contracts. PNG will evaluate the renewal, restructuring, replacement or termination of contracts as appropriate during the next twenty month period.

Contract Title	MDQ/ SCQ	Start Date	End Date	Notice Date	Comments
Columbia FTS - 79625	7,750	11/1/2004	3/31/2020	11/1/2019	Pregranted Abandonment. Termination with 5 months notice per tariff. Right of First Refusal Applicable.
Columbia FTS - 135633	10,782	11/1/2012	10/31/17	6/1/2017	Pregranted Abandonment. Termination with 5 months' notice per tariff. Right of First Refusal Applicable.
Columbia SST - 79616	500	4/1/2005	3/31/2020	11/1/2019	Pregranted Abandonment. Termination with 5 months notice per tariff. Right of First Refusal Applicable.
Columbia FSS - 79615	35,362	4/1/2005	3/31/2020	11/1/2019	Pregranted Abandonment. Termination with 5 months notice per tariff. Right of First Refusal Applicable.
Columbia Gulf FTS-1 - 79617	6,324	11/1/2004	3/31/2020	11/1/2019	Pregranted Abandonment. Termination with 5 months' notice per tariff. Right of First Refusal Applicable.
Tennessee FT-G - 62498	831	9/1/1993	11/1/2020	11/1/2019	Automatic 5 year extension, termination with 1 yrs. prior written notice.
Tennessee FT-G - 62499	2,054	9/1/1993	11/1/2020	11/1/2019	Automatic 5 year extension, termination with 1 yrs. prior written notice.

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

Tennessee FT-A - 301692	34,000	11/1/2014	10/31/2029	N/A	After Primary 15 year term then month to month, termination with 1 mo. prior written notice.
Transco ESS – 9162496	83,847	11/1/1993	10/31/2018	5/1/2018	Automatic 1 year extension, termination with 180 days prior written notice. Right of Refusal applicable.
Transco FT-PS - 1004999	3,416	8/1/1991	3/31/2025	3/31/2022	Automatic 1 year extension, termination with 3 yrs. prior written notice. Right of Refusal applicable.
Transco FT - 1021106	500	7/10/1997	10/31/2027	5/1/2027	Automatic 1 year extension, termination with 180 days prior written notice.
Transco FT - 9180223	12,279	12/1/2015	7/31/2024	7/31/2021	Automatic 1 year extension, termination with 3 yrs. prior written notice. Right of Refusal applicable.
Transco GSS - 1000798	2,746,576	7/1/1996	3/31/2023	None	None.
Transco LSS - 1000796	827,053	10/1/1993	3/31/2023	11/1/2022	Automatic 1 year extension, termination with 1 yr. prior written notice
Transco SS-2 - 1004032	2,846,250	4/1/1990	3/31/2018	4/1/2017	Automatic 1 year extension, termination with 1 yr. prior written notice.
UGI Energy Services - Peaking	18,500	11/1/2007	3/31/2017	4/1/2016	Five year rollover with written notice by UGI ES at least one year prior to expiration
UGI Energy Services - Del. Sup.	3,481	11/1/2015	10/31/2020	11/1/2019	Extensions with 60 days' notice and agreement in price based on government price inflator.
UGI Energy Services – Del. Sup.	4,049	11/1/2014	10/31/2016	8/31/2016	Extensions with 60 days' notice and agreement in price based on government price inflator.
UGI Energy Services – Del. Sup.	51,995	11/1/2015	3/31/2022	1/31/2022	Extensions with 60 days' notice and agreement in price based on government price inflator.
UGI Energy Services – Peaking	29,000	12/1/2011	2/28/2019	12/30/2018	Extensions with 60 days' notice and agreement in price based on government price inflator.
UGI Energy Services – Del. Sup.	40,000	12/1/2013	10/31/2020	N/A	None

Current Federal Energy Regulatory Commission (FERC) Proceedings

PNG has FERC jurisdictional firm transportation and storage agreements with Columbia, Columbia Gulf Transmission Company (Columbia Gulf), Tennessee, and Transco. Cost and terms of service are addressed in Natural Gas Act Section 4(e) base rate, rulemakings, and certificate proceeding before the FERC. FERC orders in any of these proceedings will change PNG's purchased gas costs during the next twenty months.

Other Renegotiations - Purchase Contracts

PNG firm purchases are acquired using Gas Industry's Standards Board (GISB) and North American Energy Standards Board (NAESB) Agreements. Over the past year PNG has entered into seven (7) new agreements with counterparties. PNG will renegotiate prices and terms with suppliers on the applicable renegotiation dates.

UGI PENN NATURAL GAS
PROJECTED SUPPLY VOLUMES IN DTH OR DTH/D
UNDER NORMAL WEATHER
8 MONTH PERIOD - APRIL THROUGH NOVEMBER
COMMODITY

	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
Monthly Take									
Spot Leidy	15,048	15,550	15,048	15,550	15,550	15,048	15,550	15,048	122,392
Spot TGP_Z4	11,978	11,978	11,978	11,978	11,978	11,978	11,978	0	83,846
Spot Tenn Z4	611,208	247,064	37,918	45,977	10,175	74,033	490,861	373,448	1,890,684
Spot TCOPool	350,520	362,204	350,520	362,204	362,204	350,520	362,204	294,024	2,794,400
Appalachian	62,550	64,635	62,550	64,635	64,635	62,550	64,635	62,550	508,740
Daily Delivered	191,679	346,641	251,003	275,557	198,904	202,290	348,650	0	1,814,723
DaLeidyCall	52,200	53,940	52,200	53,940	53,940	52,200	53,940	828,450	1,200,810
DaTennCall2	52,230	53,971	52,230	53,971	53,971	52,230	53,971	504,868	877,442
LNG Service	7,700	7,700	7,700	7,700	7,700	7,700	7,700	0	53,900
Trig Delivered	580,000	280,000	150,000	140,000	140,000	170,000	430,000	0	1,890,000
Trig Tenn-Z4	135,000	139,500	135,000	139,500	139,500	135,000	139,500	160,000	1,123,000
MoTennCall	4,500	0	0	0	0	0	0	10,800	15,300
Injected Net Vol									
Transco GSS	180,000	403,000	390,000	397,000	356,500	325,500	309,596	0	2,361,596
Transco SS2	164,850	170,351	164,880	170,376	170,376	164,880	170,376	0	1,176,089
Transco LSS	100,440	103,788	100,440	103,788	103,788	100,440	103,788	0	716,472
Transco ESS	11,978	11,978	11,978	11,978	11,978	11,978	11,978	0	83,846
Columbia FSS	0	4,185	4,050	4,185	4,550	3,000	900	0	20,870
Withdrawn Gross Vol									
Transco GSS	0	0	0	0	0	0	0	0	0
Transco SS2	0	0	0	0	0	0	0	0	0
Transco LSS	0	0	0	0	0	0	0	0	0
Transco ESS	0	0	0	0	0	0	0	0	0
Columbia FSS	0	0	0	0	0	0	0	0	0
Transport/Wdl/Inj Fuel	15,969	8,811	4,503	4,789	4,073	5,225	13,687	22,162	79,218
Total PGC Demand Served	1,596,877	881,069	450,296	478,896	407,291	522,525	1,368,664	2,216,225	7,921,844
Total Choice Bundled Demand	0	0	0	0	0	0	0	0	0
Total UGI Bundled Demand	0	0	0	0	0	0	0	0	0
Total CPG Bundled Demand	4,500	0	0	0	0	0	0	10,800	15,300
Transportation									
Col SST WD	0	0	0	0	0	0	0	0	0
Col FT Leach	343,913	355,376	343,913	355,376	355,376	343,913	355,376	288,482	2,741,726
Col FT Appl	61,371	63,417	61,371	63,417	63,417	61,371	63,417	61,371	499,150
Tennessee 4-4	742,701	384,747	172,105	184,605	148,971	208,050	627,398	530,941	2,999,519
Transco 4-6	0	0	0	0	0	0	0	0	0
Transco 6-6	15,000	15,500	15,000	15,500	15,500	15,000	15,500	15,000	122,000

UGI PENN NATURAL GAS
PROJECTED DEMAND UNIT RATE IN \$/DTH
UNDER NORMAL WEATHER
8 MONTH PERIOD - APRIL THROUGH NOVEMBER
DEMAND

	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16
Supply								
Options	0.3500	0.3500	0.3500	0.3500	0.3500	0.3500	0.3500	0.0000
Leidy Supply - UGI	0.2085	0.2155	0.2085	0.2155	0.2155	0.2085	0.2155	0.2085
LNG Service	11.1429	11.4675	11.1429	11.4675	11.4675	11.1429	11.4675	0.0000
UGI ES Peak SVC I	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	220.0000
UGI ES Peak SVC II	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UGI ES Delivered Supply	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	25.6640
UGI ES Delivered Supply	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	25.6640
UGI ES Delivered Supply	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	25.6640
UGI ES Delivered Supply	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375
Storage Demand								
Transco GSS	3.0210	3.1217	3.0210	3.1217	3.1217	3.0210	3.1217	3.0210
Transco SS2	8.4432	8.7246	8.4432	8.7246	8.7246	8.4432	8.7246	8.4432
Transco LSS	4.5621	4.7142	4.5621	4.7142	4.7142	4.5621	4.7142	4.5621
Transco ESS	0.6327	0.6538	0.6327	0.6538	0.6538	0.6327	0.6538	0.6327
Columbia FSS	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010
Storage Capacity								
Transco GSS	0.0159	0.0164	0.0159	0.0164	0.0164	0.0159	0.0164	0.0159
Transco SS2	0.0276	0.0285	0.0276	0.0285	0.0285	0.0276	0.0285	0.0276
Transco LSS	0.0168	0.0174	0.0168	0.0174	0.0174	0.0168	0.0174	0.0168
Transco ESS	0.0756	0.0781	0.0756	0.0781	0.0781	0.0756	0.0781	0.0756
Columbia FSS	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288
Transportation								
Columbia:FTS	6.2290	6.0530	6.0530	6.0530	6.0530	6.0530	6.0530	6.0530
Columbia:SST	6.0590	5.8830	5.8830	5.8830	5.8830	5.8830	5.8830	5.8830
Columbia:GULF FTS-1	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917
Tennessee FT-G	15.3773	15.3773	15.3773	15.3773	15.3773	15.3773	15.3773	15.3773
Tennessee 404 FT-G	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	5.2796
Tennessee 4-4 FT-A	5.4898	5.4898	5.4898	5.4898	5.4898	5.4898	5.4898	5.4898
Transco FT DEMAND	14.2653	14.7408	14.2653	14.7408	14.7408	14.2653	14.7408	20.1528
Transco FT DEMAND - PSFT	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Transco FT DEMAND - POCONO	2.5641	2.6496	2.5641	2.6496	2.6496	2.5641	2.6496	2.5641

UGI PENN NATURAL GAS
 PROJECTED SUPPLY UNIT RATE IN \$/DTH
 UNDER NORMAL WEATHER
 8 MONTH PERIOD - APRIL THROUGH NOVEMBER
 COMMODITY

	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	AVERAGE
Supply Rate									
Spot Leidy	0.9245	0.9655	1.0085	1.1085	1.0685	0.8960	1.0125	1.2935	1.0347
Spot TGP_Z4	1.6980	1.7915	1.9045	2.0020	2.0520	2.0570	2.0910	0.0000	1.6995
Spot Tenn_Z4	1.0045	0.9205	0.8760	0.9735	0.9435	0.7835	0.8750	1.2335	0.9513
Spot TCOPool	1.5268	1.5973	1.6912	1.7619	1.8031	1.7792	1.8231	1.3935	1.6720
Appalachian	1.5268	1.5973	1.6912	1.7619	1.8031	1.7792	1.8231	1.3935	1.6720
Daily Delivered	1.7654	1.8609	1.9763	2.0759	2.1270	2.1321	2.1669	0.0000	1.7631
DaLeidyCall	0.9348	0.9760	1.0191	1.1194	1.0793	0.9062	1.0231	1.3050	1.0454
DaTennCall2	1.0634	0.9790	0.9343	1.0323	1.0022	0.8414	0.9333	1.2935	1.0099
LNG Service	10.9620	11.0530	11.1560	11.2510	11.3010	11.3160	11.3550	0.0000	9.7993
Trig Delivered	2.9861	2.9989	3.0397	3.0423	3.0934	3.0525	3.0985	0.0000	2.6639
Trig Tenn-Z4	0.2820	0.3730	0.4760	0.5710	0.6210	0.6360	0.6750	1.3625	0.6246
MoTennCall	1.0634	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.2935	0.2946
Injection Rate									
Transco GSS	0.0488	0.0488	0.0488	0.0488	0.0488	0.0488	0.0488	0.0000	0.0427
Transco SS2	0.0317	0.0317	0.0317	0.0317	0.0317	0.0317	0.0317	0.0000	0.0277
Transco LSS	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0000	0.0242
Transco ESS	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0000	0.0360
Columbia FSS	0.0000	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0000	0.0115
Withdrawal Rate									
Transco GSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Transco SS2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Transco LSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Transco ESS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Columbia FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Transportation Rate									
Col SST WD	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Col FT Leach	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194
Col FT Appl	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194
Tennessee 4-4	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534
Transco 4-6	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Transco 6-6	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074
Total Com Vol	1,596,877	881,069	450,296	478,896	407,291	522,525	1,368,664	2,216,225	7,921,844
Total Com Cost	2,770,152	1,334,084	585,989	626,739	523,831	699,669	2,299,028	2,964,025	11,803,518
Com Unit Rate	1.7347	1.5142	1.3013	1.3087	1.2861	1.3390	1.6798	1.3374	1.4900
Total Dem Cost	1,203,325	1,216,670	1,190,750	1,213,921	1,213,921	1,192,125	1,234,565	6,094,945	14,560,223
Dem Unit Rate	0.7535	1.3809	2.6444	2.5348	2.9805	2.2815	0.9020	2.7501	1.8380
Total System Costs	3,973,478	2,550,754	1,776,739	1,840,660	1,737,752	1,891,794	3,533,593	9,058,971	26,363,740
System Unit Rate	2.4883	2.8951	3.9457	3.8436	4.2666	3.6205	2.5818	4.0876	3.3280

UGI PENN NATURAL GAS
 PROJECTED PURCHASED GAS COSTS IN (\$)
 UNDER NORMAL WEATHER
 8 MONTH PERIOD - APRIL THROUGH NOVEMBER
 DEMAND

	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
Supply									
Options	84,866	84,866	84,866	84,866	84,866	84,866	84,866	0	594,061
Leidy Supply - UGI	105	108	105	108	108	105	108	105	851
LNG Service	85,800	88,300	85,800	88,300	88,300	85,800	88,300	0	610,600
UGI ES Peak SVC I	0	0	0	0	0	0	0	4,070,000	4,070,000
UGI ES Peak SVC II	0	0	0	0	0	0	0	0	0
UGI ES Delivered Supply	0	0	0	0	0	0	0	1,334,400	1,334,400
UGI ES Delivered Supply	0	0	0	0	0	0	0	89,336	89,336
UGI ES Delivered Supply	0	0	0	0	0	0	0	103,914	103,914
UGI ES Delivered Supply	401,500	401,500	401,500	401,500	401,500	401,500	401,500	401,500	3,212,000
Storage Demand									
Transco GSS	170,783	176,476	170,783	176,476	176,476	170,783	176,476	170,783	1,389,036
Transco SS2	218,468	225,750	218,468	225,750	225,750	218,468	225,750	218,468	1,776,871
Transco LSS	34,298	35,441	34,298	35,441	35,441	34,298	35,441	34,298	278,956
Transco ESS	6,327	6,538	6,327	6,538	6,538	6,327	6,538	6,327	51,460
Columbia FSS	751	751	751	751	751	751	751	751	6,004
Storage Capacity									
Transco GSS	43,671	45,126	43,671	45,126	45,126	43,671	45,126	43,671	355,187
Transco SS2	78,557	81,175	78,557	81,175	81,175	78,557	81,175	78,557	638,926
Transco LSS	13,894	14,358	13,894	14,358	14,358	13,894	14,358	13,894	113,009
Transco ESS	6,339	6,550	6,339	6,550	6,550	6,339	6,550	6,339	51,556
Columbia FSS	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	8,147
Transportation									
Columbia:FTS	115,436	112,174	112,174	112,174	112,174	112,174	112,174	112,174	900,655
Columbia:SST	1,515	1,471	1,471	1,471	1,471	1,471	2,942	2,942	14,752
Columbia:GULF FTS-1	27,141	27,141	27,141	27,141	27,141	27,141	27,141	27,141	217,126
Tennessee FT-G	18,453	9,226	7,689	6,151	6,151	9,226	10,995	12,963	80,854
Tennessee 404 FT-G	0	0	0	0	0	0	0	4,958	4,958
Tennessee 4-4 FT-A	186,653	186,653	186,653	186,653	186,653	186,653	186,653	186,653	1,493,226
Transco FT DEMAND	175,164	181,002	175,164	181,002	181,002	175,164	181,002	350,901	1,600,401
Transco FT DEMAND - PSFT	0	0	0	0	0	0	0	0	0
Transco FT DEMAND - POCONO	1,282	1,325	1,282	1,325	1,325	1,282	1,325	1,282	10,427
SUBTOTAL	1,672,018	1,686,949	1,657,949	1,683,874	1,683,874	1,659,486	1,690,188	7,272,373	19,006,712
Non-Choice Cap Rel/Sharing Mech Credit	(250,273)	(250,273)	(250,273)	(250,273)	(250,273)	(250,273)	(235,273)	(354,967)	(2,091,878)
Choice Capacity Assignment FT Credits	(168,631)	(170,217)	(167,136)	(169,891)	(169,891)	(167,299)	(170,561)	(772,671)	(1,956,297)
Bal. Service Credit	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(400,000)
Risk Mgt Tools	211	211	211	211	211	211	211	211	1,686
Total Demand	1,203,325	1,216,670	1,190,750	1,213,921	1,213,921	1,192,125	1,234,565	6,094,945	14,560,223

UGI PENN NATURAL GAS
PROJECTED PURCHASE GAS COSTS IN (\$)
UNDER NORMAL WEATHER
8 MONTH PERIOD - APRIL THROUGH NOVEMBER
COMMODITY

	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	TOTAL
Supply Cost									
Spot Leidy	13,912	15,013	15,176	17,237	16,615	13,483	15,744	19,465	126,645
Spot TGP_Z4	20,339	21,459	22,812	23,980	24,579	24,639	25,046	0	162,853
Spot Tenn Z4	613,959	227,422	33,216	44,758	9,600	58,005	429,503	460,648	1,877,112
Spot TCOPool	535,174	578,548	592,791	638,176	653,072	623,636	660,316	409,722	4,691,436
Appalachian	95,501	103,241	105,783	113,882	116,540	111,287	117,833	87,163	851,232
Daily Delivered	338,388	645,065	496,067	572,041	423,073	431,308	755,476	0	3,661,418
DaLeidyCall	48,798	52,643	53,197	60,381	58,217	47,306	55,187	1,081,138	1,456,866
DaTennCall2	55,544	52,840	48,800	55,714	54,087	43,946	50,373	653,059	1,014,364
LNG Service	84,407	85,108	85,901	86,633	87,018	87,133	87,434	0	603,634
Trig Delivered	1,731,942	839,685	455,961	425,921	433,072	518,926	1,332,346	0	5,737,853
Trig Tenn-Z4	38,070	52,034	64,260	79,655	86,630	85,860	94,163	218,000	718,670
MoTennCall	4,785	0	0	0	0	0	0	13,970	18,756
Injection Cost									
Transco GSS	8,789	19,678	19,044	19,386	17,408	15,894	15,118	0	115,317
Transco SS2	5,226	5,400	5,227	5,401	5,401	5,227	5,401	0	37,282
Transco LSS	2,779	2,872	2,779	2,872	2,872	2,779	2,872	0	19,825
Transco ESS	492	492	492	492	492	492	492	0	3,446
Columbia FSS	0	64	62	64	70	46	14	0	319
Withdrawal Cost									
Transco GSS	0	0	0	0	0	0	0	0	0
Transco SS2	0	0	0	0	0	0	0	0	0
Transco LSS	0	0	0	0	0	0	0	0	0
Transco ESS	0	0	0	0	0	0	0	0	0
Columbia FSS	0	0	0	0	0	0	0	0	0
Transportation Cost									
Col SST WD	0	0	0	0	0	0	0	0	0
Col FT Leach	6,672	6,894	6,672	6,894	6,894	6,672	6,894	5,597	53,189
Col FT Appl	1,191	1,230	1,191	1,230	1,230	1,191	1,230	1,191	9,684
Tennessee 4-4	39,660	20,545	9,190	9,858	7,955	11,110	33,503	28,352	160,174
Transco 4-6	0	0	0	0	0	0	0	0	0
Transco 6-6	111	115	111	115	115	111	115	111	903
Injected Value	870,803	1,396,267	1,432,743	1,537,951	1,481,107	1,389,382	1,390,030	0	9,498,284
Withdrawn Value	0	0	0	0	0	0	0	0	0
Choice Bundled Sale Credit	0	0	0	0	0	0	0	0	0
UGI Bundled Sale Credit	0	0	0	0	0	0	0	0	0
CPG Bundled Sale Credit	(4,785)	0	0	0	0	0	0	(13,970)	(18,756)
Options Credit	0	0	0	0	0	0	0	(420)	(420)
Total Cost	2,770,152	1,334,084	585,989	626,739	523,831	699,669	2,299,028	2,964,025	11,803,518

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

	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	TOTAL
Monthly Take													
Spot Leidy	15,550	15,550	14,045	0	15,048	15,550	15,048	15,550	15,550	15,048	15,550	15,048	167,536
Spot TGP_Z4	0	0	0	0	11,978	11,978	11,978	11,978	11,978	11,978	11,978	0	83,846
Spot Tenn Z4	554,153	1,054,000	364,112	0	759,407	380,296	173,328	182,337	154,929	215,794	651,043	368,114	4,857,513
Spot TCOPool	362,204	362,204	0	0	350,520	362,204	350,520	362,204	362,204	350,520	362,204	294,024	3,518,808
Appalachian	64,635	64,635	60,465	64,635	62,550	64,635	62,550	64,635	64,635	62,550	64,635	62,550	763,110
Daily Delivered	106,471	51,772	0	0	785,142	620,248	401,421	412,354	344,263	379,186	799,746	0	3,900,603
DaLeidyCall	856,065	856,065	773,220	650,697	52,200	53,940	52,200	53,940	53,940	52,200	53,940	828,450	4,336,857
DaTennCall2	807,664	988,497	877,686	739,763	52,230	53,971	52,230	53,971	53,971	52,230	53,971	662,614	4,448,797
LNG Service	0	0	0	0	7,700	7,700	7,700	7,700	7,700	7,700	7,700	0	53,900
Trig Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0
Trig Tenn-Z4	250,000	350,000	200,000	100,000	0	0	0	0	0	0	0	0	900,000
MoTennCall	17,980	32,240	34,664	19,530	4,500	0	0	0	0	0	0	10,800	119,714
Injected Net Vol													
Transco GSS	0	0	0	0	180,000	403,000	390,000	397,000	356,500	325,500	309,596	0	2,361,596
Transco SS2	0	0	0	0	164,850	170,351	164,880	170,376	170,376	164,880	170,376	0	1,176,089
Transco LSS	0	0	0	0	100,440	103,788	100,440	103,788	103,788	100,440	103,788	0	716,472
Transco ESS	0	0	0	0	11,978	11,978	11,978	11,978	11,978	11,978	11,978	0	83,846
Columbia FSS	0	0	0	0	0	4,185	4,050	4,185	4,550	3,000	900	0	20,870
Withdrawn Gross Vol													
Transco GSS	385,175	796,514	739,616	439,456	0	0	0	0	0	0	0	0	2,360,761
Transco SS2	0	155,403	390,195	630,491	0	0	0	0	0	0	0	0	1,176,089
Transco LSS	157,666	214,396	193,221	152,471	0	0	0	0	0	0	0	0	717,754
Transco ESS	0	0	41,673	42,173	0	0	0	0	0	0	0	0	83,846
Columbia FSS	0	6,355	7,772	6,743	0	0	0	0	0	0	0	0	20,870
Transport/Wdl/Inj Fuel	34,037	47,077	34,715	27,219	16,233	8,685	4,511	4,726	4,178	5,360	14,100	22,087	222,930
Total PGC Demand Served	3,403,735	4,707,664	3,471,531	2,721,939	1,623,275	868,534	451,116	472,615	417,800	536,048	1,410,028	2,208,713	22,292,998
Total Choice Bundled Demand	121,810	160,650	120,756	77,270	0	0	0	0	0	0	0	0	480,486
Total UGI Bundled Demand	0	0	35,003	0	0	0	0	0	0	0	0	0	35,003
Total CPG Bundled Demand	17,980	32,240	34,664	19,530	4,500	0	0	0	0	0	0	10,800	119,714
Transportation													
Col SST WD	0	6,235	7,625	6,616	0	0	0	0	0	0	0	0	20,477
Col FT Leach	355,376	355,376	0	0	343,913	355,376	343,913	355,376	355,376	343,913	355,376	288,482	3,452,478
Col FT Appl	63,417	63,417	59,325	63,417	61,371	63,417	61,371	63,417	63,417	61,371	63,417	61,371	748,725
Tennessee 4-4	800,373	1,397,401	561,461	99,530	755,838	378,509	172,513	181,480	154,201	214,780	647,983	366,384	5,730,453
Transco 4-6	0	0	40,794	41,283	0	0	0	0	0	0	0	0	82,077
Transco 6-6	15,500	15,500	14,000	0	15,000	15,500	15,000	15,500	15,500	15,000	15,500	15,000	167,000

UGI PENN NATURAL GAS
PROJECTED DEMAND UNIT RATE IN \$/DTH
UNDER NORMAL WEATHER
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER
DEMAND

	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17
Supply												
Options	0.0000	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	0.3700	0.0000
Leidy Supply - UGI	0.2155	0.2155	0.2016	0.2155	0.2085	0.2155	0.2085	0.2155	0.2155	0.2085	0.2155	0.2085
LNG Service	0.0000	0.0000	0.0000	0.0000	11.1429	11.4675	11.1429	11.4675	11.4675	11.1429	11.4675	0.0000
UGI ES Peak SVC I	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	220.0000
UGI ES Peak SVC II	125.2705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UGI ES Delivered Supply	25.6640	25.6640	25.6640	25.6640	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	25.6640
UGI ES Delivered Supply	25.6640	25.6640	25.6640	25.6640	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	25.6640
UGI ES Delivered Supply	25.6640	25.6640	25.6640	25.6640	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	25.6640
UGI ES Delivered Supply	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375	10.0375
Storage Demand												
Transco GSS	3.1217	3.1217	2.8196	3.1217	3.0210	3.1217	3.0210	3.1217	3.1217	3.0210	3.1217	3.0210
Transco SS2	8.7246	8.7246	7.8803	8.7246	8.4432	8.7246	8.4432	8.7246	8.7246	8.4432	8.7246	8.4432
Transco LSS	4.7142	4.7142	4.2580	4.7142	4.5621	4.7142	4.5621	4.7142	4.7142	4.5621	4.7142	4.5621
Transco ESS	0.6538	0.6538	0.5905	0.6538	0.6327	0.6538	0.6327	0.6538	0.6538	0.6327	0.6538	0.6327
Columbia FSS	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010	1.5010
Storage Capacity												
Transco GSS	0.0164	0.0164	0.0148	0.0164	0.0159	0.0164	0.0159	0.0164	0.0164	0.0159	0.0164	0.0159
Transco SS2	0.0285	0.0285	0.0258	0.0285	0.0276	0.0285	0.0276	0.0285	0.0285	0.0276	0.0285	0.0276
Transco LSS	0.0174	0.0174	0.0157	0.0174	0.0168	0.0174	0.0168	0.0174	0.0174	0.0168	0.0174	0.0168
Transco ESS	0.0781	0.0781	0.0706	0.0781	0.0756	0.0781	0.0756	0.0781	0.0781	0.0756	0.0781	0.0756
Columbia FSS	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288	0.0288
Transportation												
Columbia:FTS	6.0530	6.0530	6.4110	6.4110	6.4110	6.4110	6.4110	6.4110	6.4110	6.4110	6.4110	6.4110
Columbia:SST	5.8830	5.8830	6.2410	6.2410	6.2410	6.2410	6.2410	6.2410	6.2410	6.2410	6.2410	6.2410
Columbia:GULF FTS-1	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917	4.2917
Tennessee FT-G	15.3773	15.3773	15.3773	15.3773	15.3773	15.3773	15.3773	15.3773	15.3773	15.3773	15.3773	15.3773
Tennessee 404 FT-G	5.2796	5.2796	5.2796	5.2796	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	5.2796
Tennessee 4-4 FT-A	5.4898	5.4898	5.4898	5.4898	5.4898	5.4898	5.4898	5.4898	5.4898	5.4898	5.4898	5.4898
Transco FT DEMAND	20.8246	20.8246	18.8093	20.8246	14.2653	14.7408	14.2653	14.7408	14.7408	14.2653	14.7408	14.2653
Transco FT DEMAND - PSFT	29.3555	29.3555	26.5146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Transco FT DEMAND - POCONO	2.6496	2.6496	2.3932	2.6496	2.5641	2.6496	2.5641	2.6496	2.6496	2.5641	2.6496	2.5641

UGI PENN NATURAL GAS
 PROJECTED SUPPLY UNIT RATE IN \$/DTH
 UNDER NORMAL WEATHER
 12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER
 COMMODITY

	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	AVERAGE
Supply Rate													
Spot Leidy	1.5440	1.6175	1.6465	0.0000	1.5195	1.5410	1.5675	1.6385	1.6065	1.5050	1.5760	1.7550	1.4598
Spot TGP_Z4	0.0000	0.0000	0.0000	0.0000	2.5290	2.5355	2.5695	2.6155	2.6260	2.6170	2.6355	0.0000	1.5107
Spot Tenn Z4	1.4915	1.6025	1.6065	0.0000	1.5195	1.5335	1.5650	1.6235	1.5990	1.4975	1.5635	1.6450	1.4373
Spot TCOPool	1.7015	1.9225	0.0000	0.0000	2.2781	2.2844	2.3414	2.3691	2.3626	2.2143	2.2368	1.9790	1.8075
Appalachian	1.7015	1.9225	1.9415	1.8710	2.2781	2.2844	2.3414	2.3691	2.3626	2.2143	2.2368	1.9790	2.1252
Daily Delivered	2.6526	2.7813	0.0000	0.0000	2.6143	2.6209	2.6557	2.7027	2.7134	2.7042	2.7231	0.0000	2.0140
DaLeidyCall	1.5563	1.6301	1.6591	1.6612	1.5317	1.5533	1.5799	1.6511	1.6190	1.5172	1.5884	1.7680	1.6096
DaTennCall2	1.5527	1.6643	1.6683	1.6477	1.5809	1.5949	1.6266	1.6854	1.6608	1.5588	1.6251	1.7070	1.6310
LNG Service	0.0000	0.0000	0.0000	0.0000	11.7420	11.7610	11.8100	11.8560	11.8640	11.8550	11.8710	0.0000	6.8966
Trig Delivered	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trig Tenn-Z4	1.5525	1.6425	1.6575	1.6350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5406
MoTennCall	1.5527	1.6643	1.6683	1.6477	1.5809	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.7070	0.8184
Injection Rate													
Transco GSS	0.0000	0.0000	0.0000	0.0000	0.0488	0.0488	0.0488	0.0488	0.0488	0.0488	0.0488	0.0000	0.0285
Transco SS2	0.0000	0.0000	0.0000	0.0000	0.0317	0.0317	0.0317	0.0317	0.0317	0.0317	0.0317	0.0000	0.0185
Transco LSS	0.0000	0.0000	0.0000	0.0000	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0000	0.0161
Transco ESS	0.0000	0.0000	0.0000	0.0000	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0000	0.0240
Columbia FSS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0000	0.0077
Withdrawal Rate													
Transco GSS	0.0419	0.0419	0.0419	0.0419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0140
Transco SS2	0.0000	0.0317	0.0317	0.0317	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0079
Transco LSS	0.0212	0.0212	0.0212	0.0212	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0071
Transco ESS	0.0000	0.0000	0.0411	0.0411	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0069
Columbia FSS	0.0000	0.0153	0.0153	0.0153	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0038
Transportation Rate													
Col SST WD	0.0000	0.0192	0.0192	0.0192	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048
Col FT Leach	0.0194	0.0194	0.0000	0.0000	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0162
Col FT Appl	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194
Tennessee 4-4	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534
Transco 4-6	0.0000	0.0000	0.0308	0.0308	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0051
Transco 6-6	0.0074	0.0074	0.0074	0.0000	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0068
Total Com Vol	3,403,735	4,707,664	3,471,531	2,721,939	1,623,275	868,534	451,116	472,615	417,800	536,048	1,410,028	2,208,713	22,292,998
Total Com Cost	5,837,942	8,659,108	6,558,661	5,276,088	3,245,348	1,610,170	753,787	808,963	681,343	862,967	2,802,531	3,959,836	41,056,744
Com Unit Rate	1.7152	1.8394	1.8893	1.9384	1.9993	1.8539	1.6709	1.7117	1.6308	1.6099	1.9876	1.7928	1.8417
Total Dem Cost	5,773,409	2,312,005	2,376,555	2,549,860	1,206,380	1,222,679	1,196,760	1,219,931	1,219,931	1,198,134	1,240,654	6,056,163	27,572,462
Dem Unit Rate	1.6962	0.4911	0.6846	0.9368	0.7432	1.4078	2.6529	2.5812	2.9199	2.2351	0.8799	2.7419	1.2368
Total System Costs	11,611,350	10,971,113	8,935,216	7,825,948	4,451,729	2,832,850	1,950,547	2,028,894	1,901,273	2,061,102	4,043,186	10,015,999	68,629,206
System Unit Rate	3.4114	2.3305	2.5739	2.8751	2.7424	3.2616	4.3238	4.2929	4.5507	3.8450	2.8675	4.5348	3.0785

UGI PENN NATURAL GAS
PROJECTED PURCHASED GAS COSTS IN (\$)
UNDER NORMAL WEATHER
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER
DEMAND

	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	TOTAL
Supply													
Options	0	84,866	84,866	84,866	84,866	84,866	84,866	84,866	84,866	84,866	84,866	0	848,658
Leidy Supply - UGI	108	108	98	108	105	108	105	108	108	105	108	105	1,272
LNG Service	0	0	0	0	85,800	88,300	85,800	88,300	88,300	85,800	88,300	0	610,600
UGI ES Peak SVC I	0	0	0	0	0	0	0	0	0	0	0	4,070,000	4,070,000
UGI ES Peak SVC II	3,632,843	0	0	0	0	0	0	0	0	0	0	0	3,632,843
UGI ES Delivered Supply	1,334,400	1,334,400	1,334,400	1,334,400	0	0	0	0	0	0	0	1,334,400	6,672,000
UGI ES Delivered Supply	89,336	89,336	89,336	89,336	0	0	0	0	0	0	0	0	446,682
UGI ES Delivered Supply	103,914	103,914	103,914	103,914	0	0	0	0	0	0	0	103,914	519,568
UGI ES Delivered Supply	401,500	401,500	401,500	401,500	401,500	401,500	401,500	401,500	401,500	401,500	401,500	401,500	4,818,000
Storage Demand													
Transco GSS	176,476	176,476	159,398	176,476	170,783	176,476	170,783	176,476	176,476	170,783	176,476	170,783	2,077,862
Transco SS2	225,750	225,750	203,903	225,750	218,468	225,750	218,468	225,750	225,750	218,468	225,750	218,468	2,658,025
Transco LSS	35,441	35,441	32,011	35,441	34,298	35,441	34,298	35,441	35,441	34,298	35,441	34,298	417,291
Transco ESS	6,538	6,538	5,905	6,538	6,327	6,538	6,327	6,538	6,538	6,327	6,538	6,327	76,979
Columbia FSS	751	751	751	751	751	751	751	751	751	751	751	751	9,006
Storage Capacity													
Transco GSS	45,126	45,126	40,759	45,126	43,671	45,126	43,671	45,126	45,126	43,671	45,126	43,671	531,325
Transco SS2	81,175	81,175	73,319	81,175	78,557	81,175	78,557	81,175	81,175	78,557	81,175	78,557	955,771
Transco LSS	14,358	14,358	12,968	14,358	13,894	14,358	13,894	14,358	14,358	13,894	14,358	13,894	169,050
Transco ESS	6,550	6,550	5,916	6,550	6,339	6,550	6,339	6,550	6,550	6,339	6,550	6,339	77,122
Columbia FSS	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	1,018	12,221
Transportation													
Columbia:FTS	112,174	112,174	118,809	118,809	118,809	118,809	118,809	118,809	118,809	118,809	118,809	118,809	1,412,435
Columbia:SST	2,942	2,942	3,121	3,121	1,560	1,560	1,560	1,560	1,560	1,560	3,121	3,121	27,727
Columbia:GULF FTS-1	27,141	27,141	27,141	27,141	27,141	27,141	27,141	27,141	27,141	27,141	27,141	27,141	325,688
Tennessee FT-G	13,440	12,779	13,686	15,639	18,453	9,226	7,689	6,151	6,151	9,226	10,995	12,963	136,397
Tennessee 404 FT-G	9,519	10,844	9,683	6,742	0	0	0	0	0	0	0	4,958	41,746
Tennessee 4-4 FT-A	186,653	186,653	186,653	186,653	186,653	186,653	186,653	186,653	186,653	186,653	186,653	186,653	2,239,838
Transco FT DEMAND	362,597	362,597	327,507	362,597	175,164	181,002	175,164	181,002	181,002	175,164	181,002	175,164	2,839,964
Transco FT DEMAND - PSFT	100,278	100,278	90,574	0	0	0	0	0	0	0	0	0	291,130
Transco FT DEMAND - POCONO	1,325	1,325	1,197	1,325	1,282	1,325	1,282	1,325	1,325	1,282	1,325	1,282	15,598
SUBTOTAL	6,971,353	3,424,040	3,328,432	3,329,333	1,675,437	1,693,673	1,664,673	1,690,598	1,690,598	1,666,210	1,697,002	7,103,449	35,934,798
Non-Choice Cap Rel/Sharing Mech Credit	(407,467)	(707,467)	(557,467)	(384,967)	(250,273)	(250,273)	(250,273)	(250,273)	(250,273)	(250,273)	(235,273)	(242,773)	(4,037,053)
Choice Capacity Assignment FT Credits	(740,689)	(354,779)	(344,621)	(344,716)	(168,994)	(170,932)	(167,850)	(170,605)	(170,605)	(168,014)	(171,285)	(754,723)	(3,727,813)
Bal. Service Credit	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(600,000)
Risk Mgt Tools	211	211	211	211	211	211	211	211	211	211	211	211	2,530
Total Demand	5,773,409	2,312,005	2,376,555	2,549,860	1,206,380	1,222,679	1,196,760	1,219,931	1,219,931	1,198,134	1,240,654	6,056,163	27,572,462

UGI PENN NATURAL GAS
PROJECTED PURCHASE GAS COSTS IN (\$)
UNDER NORMAL WEATHER
12 MONTH PERIOD - DECEMBER THROUGH NOVEMBER
COMMODITY

	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	TOTAL
Supply Cost													
Spot Leidy	24,009	25,152	23,125	0	22,866	23,962	23,588	25,478	24,981	22,647	24,506	26,410	266,724
Spot TGP_Z4	0	0	0	0	30,292	30,370	30,777	31,328	31,454	31,346	31,568	0	217,137
Spot Tenn Z4	826,519	1,689,035	584,946	0	1,153,919	583,184	271,259	296,024	247,731	323,151	1,017,906	605,548	7,599,222
Spot TCOPool	616,290	696,337	0	0	798,528	827,410	820,699	858,107	855,752	776,139	810,160	581,873	7,641,295
Appalachian	109,976	124,261	117,393	120,932	142,497	147,651	146,453	153,128	152,708	138,501	144,572	123,786	1,621,859
Daily Delivered	282,426	143,995	0	0	2,052,598	1,625,633	1,066,044	1,114,456	934,121	1,025,395	2,177,785	0	10,422,454
DaLeidyCall	1,332,308	1,395,431	1,282,885	1,080,907	79,957	83,785	82,470	89,061	87,330	79,197	85,679	1,464,695	7,143,706
DaTennCall2	1,254,094	1,645,123	1,464,232	1,218,899	82,569	86,081	84,957	90,961	89,632	81,415	87,707	1,131,061	7,316,730
LNG Service	0	0	0	0	90,413	90,560	90,937	91,291	91,353	91,284	91,407	0	637,244
Trig Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0
Trig Tenn-Z4	388,125	574,875	331,500	163,500	0	0	0	0	0	0	0	0	1,458,000
MoTennCall	27,918	53,656	57,829	32,179	7,114	0	0	0	0	0	0	18,435	197,132
Injection Cost													
Transco GSS	0	0	0	0	8,789	19,678	19,044	19,386	17,408	15,894	15,118	0	115,317
Transco SS2	0	0	0	0	5,226	5,400	5,227	5,401	5,401	5,227	5,401	0	37,282
Transco LSS	0	0	0	0	2,779	2,872	2,779	2,872	2,872	2,779	2,872	0	19,825
Transco ESS	0	0	0	0	492	492	492	492	492	492	492	0	3,446
Columbia FSS	0	0	0	0	0	64	62	64	70	46	14	0	319
Withdrawal Cost													
Transco GSS	16,127	33,350	30,968	18,400	0	0	0	0	0	0	0	0	98,845
Transco SS2	0	4,928	12,373	19,993	0	0	0	0	0	0	0	0	37,294
Transco LSS	3,335	4,534	4,087	3,225	0	0	0	0	0	0	0	0	15,180
Transco ESS	0	0	1,713	1,733	0	0	0	0	0	0	0	0	3,446
Columbia FSS	0	97	119	103	0	0	0	0	0	0	0	0	319
Transportation Cost													
Col SST WD	0	120	146	127	0	0	0	0	0	0	0	0	393
Col FT Leach	6,894	6,894	0	0	6,672	6,894	6,672	6,894	6,894	6,672	6,894	5,597	66,978
Col FT Appl	1,230	1,230	1,151	1,230	1,191	1,230	1,191	1,230	1,230	1,191	1,230	1,191	14,525
Tennessee 4-4	42,740	74,621	29,982	5,315	40,362	20,212	9,212	9,691	8,234	11,469	34,602	19,565	306,006
Transco 4-6	0	0	1,256	1,272	0	0	0	0	0	0	0	0	2,528
Transco 6-6	115	115	104	0	111	115	111	115	115	111	115	111	1,236
Injected Value	0	0	0	0	1,273,913	1,945,424	1,908,187	1,987,016	1,876,436	1,749,989	1,735,498	0	12,476,464
Withdrawn Value	1,200,372	2,593,095	3,034,928	2,811,273	0	0	0	0	0	0	0	0	9,639,669
Choice Bundled Sale Credit	(264,840)	(349,285)	(262,547)	(168,001)	0	0	0	0	0	0	0	0	(1,044,674)
UGI Bundled Sale Credit	0	0	(97,319)	0	0	0	0	0	0	0	0	0	(97,319)
CPG Bundled Sale Credit	(27,918)	(53,656)	(57,829)	(32,179)	(7,114)	0	0	0	0	0	0	(18,435)	(197,132)
Options Credit	(1,780)	(4,800)	(2,380)	(2,820)	0	0	0	0	0	0	0	0	(11,780)
Total Cost	5,837,942	8,659,108	6,558,661	5,276,088	3,245,348	1,610,170	753,787	808,963	681,343	862,967	2,802,531	3,959,836	41,056,744

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 1-C [52 Pa. Code §53.64(c)(1)] OTHER SOURCES OF GAS SUPPLY

RESPONSE:

Attachment 1-C-1 lists End-user Transportation Volumes.

Attachment 1-C-1

UGI PENN NATURAL GAS
END USER TRANSPORTATION - DELIVERY SERVICE
VOLUME

HISTORIC PERIOD	APR-15	MAY-15	JUN-15	JUL-15	AUG-15	SEP-15	OCT-15	NOV-15	DEC-15	JAN-16	FEB-16	MAR-16
VOLUME (DTH)	2,724,152	2,749,078	2,339,849	2,711,306	2,656,628	2,648,032	2,479,135	3,052,551	3,201,622	4,052,083	3,634,993	3,367,104
PROJECTED PERIOD	APR-16	MAY-16	JUN-16	JUL-16	AUG-16	SEP-16	OCT-16	NOV-16				
VOLUME (DTH)	4,718,377	4,520,581	5,505,939	5,520,020	5,627,377	5,586,542	5,756,519	6,095,917				
PROJECTED PERIOD	DEC-16	JAN-17	FEB-17	MAR-17	APR-17	MAY-17	JUN-17	JUL-17	AUG-17	SEP-17	OCT-17	NOV-17
VOLUME (DTH)	6,441,429	6,766,051	6,485,636	6,329,226	6,052,546	5,876,242	5,716,540	5,682,644	5,772,691	5,764,267	3,485,725	3,843,985

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 2-A [52 Pa. Code §53.64(c)(3)] OTHER SOURCES OF GAS SUPPLY

A complete listing of sources of gas supply transportation or storage and their costs, including shut-in and curtailed sources of supply, both inside and outside this Commonwealth considered by or offered to the utility but not chosen for use during the past 12 months, which 12-month period shall end 2 months prior to the date of the tariff filing, and the reasons why the gas, transportation or storage was not selected for use as a part of the utility's supply mix.

RESPONSE:

The response is applicable to the 12-month period ended March 31, 2016. PNG implements its least cost procurement strategy while balancing reliability and price stability by managing a portfolio of supplies from a diverse set of sources. During the 12-month historic period, April 2015 through March 2016, PNG purchased its supplies, including those utilized for storage injection, from producers and marketers. These purchases were delivered via FT on Columbia, Tennessee, and Transco; via direct supply from UGI Energy Services; or via peaking facilities and local production directly connected to PNG's distribution system.

Supplies not selected in 2015-2016 fall outside two categories:

(1) Each month, PNG receives bids from producers and marketers for short-term and long-term purchases. Purchases are evaluated using least cost economic dispatch based on the incremental cost of the gas delivered to the city gate via each pipeline route. PNG first buys gas from the lowest cost reliable bidder. If the volume offered at that price is insufficient to meet full requirements or take away the capacity available from that receipt point is insufficient, then the remaining requirements are acquired at the next higher price. This incremental process continues until all requirements are met.

In making least cost supply decisions, all variable cost components including the cost of gas, the cost of transportation, and fuel costs are figured into the decision. Some judgment is required in these bid acceptances in matters such as transportation availability, delivery flexibility, producer reliability, available credit of the counterparty, and operational requirements. Attachment 2-A-1 is a listing of the transactions for firm purchases including the purchase location, quantity, and cost of gas. The table shows the transactions for the 12-month period ending March 31, 2016, as recorded in UGI's gas management system. In addition, Attachment 2-A-2 is a summary of all transportation activities scheduled by UGI on the interstate pipelines each month, including the receipt and delivery locations, quantity, and cost of transportation.

(2) PNG continually evaluates the market competitiveness of its term contracts. PNG regards term contracts as those having multiple months. The choice to maintain or terminate a contract is

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

based on the performance of the supplier, price changes, fixed charges, location of the gas, capacity or cost changes on the connecting pipeline, the competitive nature of the commodity provisions, the ability to deliver the gas at pooling receipt points and the supply purchase requirements. These contracts are subject to firm deliverability requirements because they supply gas to firm residential and commercial customers with no alternative energy source.

PNG's criteria for firm supply contract selection include, among other measures, competitive prices, prudent price renegotiation provisions, market-out provisions, deliverability warranties or contingencies, and to the extent possible, acceptable creditworthiness assurances and indemnification for liabilities beyond PNG's control.

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
1	Tennessee Zone 4 Receipt	16,076	16,076	\$1.7625	Sendout	1-Apr-15	1-Apr-15	AC
2	Columbia A06 Pool	360,000	12,000	\$1.8900	Storage/Sendout	1-Apr-15	30-Apr-15	AC
3	Columbia Tco Leach	62,460	2,082	\$2.4800	Sendout	1-Apr-15	30-Apr-15	AC
4	Tennessee Zone 4 Delivered	206	7	\$2.7420	Sendout	1-Apr-15	30-Apr-15	AC
5	Tennessee Zone 4 Receipt	388,769	12,959	\$1.3278	Sendout	1-Apr-15	30-Apr-15	AC
6	Tennessee Zone 4 Receipt	68,790	2,293	\$0.8400	Sendout	1-Apr-15	30-Apr-15	AC
7	Transco Zone 4	11,978	399	\$2.5864	Storage	1-Apr-15	30-Apr-15	AC
8	Transco Zone 6 NonNY	412,467	13,749	\$2.2300	Purchase for Resale	1-Apr-15	30-Apr-15	AC
9	Transco Zone 6 Receipt	15,060	502	\$1.1050	Storage	1-Apr-15	30-Apr-15	AC
10	Uniondale Direct Connect	5,575	186	\$1.3809	Purchase for Resale/Storage	1-Apr-15	30-Apr-15	AC
11	Uniondale Direct Connect	19,600	19,600	\$1.6250	Purchase for Resale	2-Apr-15	2-Apr-15	AC
12	Tennessee Zone 4 Receipt	80,376	20,094	\$1.5125	Purchase for Resale/Storage	3-Apr-15	6-Apr-15	AC
13	Uniondale Direct Connect	14,000	14,000	\$1.3450	Purchase for Resale	10-Apr-15	10-Apr-15	AC
14	Columbia A06 Pool	14,418	4,806	\$1.2900	Sendout	11-Apr-15	13-Apr-15	AC
15	Tennessee Zone 4 Receipt	15,072	5,024	\$1.2275	Sendout	11-Apr-15	13-Apr-15	AC
16	Uniondale Direct Connect	14,145	4,715	\$1.8250	Purchase for Resale	11-Apr-15	13-Apr-15	AC
17	Uniondale Direct Connect	22,433	7,478	\$1.8250	Purchase for Resale	11-Apr-15	13-Apr-15	AC
18	Uniondale Direct Connect	2,535	2,535	\$1.8250	Purchase for Resale	12-Apr-15	12-Apr-15	AC
19	Columbia A06 Pool	4,806	4,806	\$1.5550	Sendout	14-Apr-15	14-Apr-15	AC
20	Tennessee Zone 4 Receipt	2,009	2,009	\$1.4225	Sendout	14-Apr-15	14-Apr-15	AC
21	Uniondale Direct Connect	4,715	4,715	\$2.0900	Purchase for Resale	14-Apr-15	14-Apr-15	AC
22	Columbia A06 Pool	4,806	4,806	\$1.5300	Sendout	15-Apr-15	15-Apr-15	AC
23	Tennessee Zone 4 Receipt	3,014	3,014	\$1.3600	Sendout	15-Apr-15	15-Apr-15	AC
24	Uniondale Direct Connect	4,715	4,715	\$2.2300	Purchase for Resale	15-Apr-15	15-Apr-15	AC
25	Columbia A06 Pool	4,806	4,806	\$1.6000	Sendout	16-Apr-15	16-Apr-15	AC
26	Uniondale Direct Connect	4,715	4,715	\$2.2850	Purchase for Resale	16-Apr-15	16-Apr-15	AC
27	Columbia A06 Pool	4,806	4,806	\$1.4400	Sendout	17-Apr-15	17-Apr-15	AC
28	Tennessee Zone 4 Receipt	12,057	12,057	\$1.3000	Sendout	17-Apr-15	17-Apr-15	AC
29	Tennessee Zone 4 Receipt	30,141	10,047	\$1.1700	Sendout	18-Apr-15	20-Apr-15	AC
30	Columbia A06 Pool	4,806	4,806	\$1.5150	Sendout	21-Apr-15	21-Apr-15	AC
31	Tennessee Zone 4 Receipt	13,109	13,109	\$1.0000	Sendout	21-Apr-15	21-Apr-15	AC
32	Tennessee Zone 4 Receipt	10,000	10,000	\$1.0000	Sendout	21-Apr-15	21-Apr-15	AC
33	Transco Zone 6 NonNY	4,715	4,715	\$2.2350	Purchase for Resale	21-Apr-15	21-Apr-15	AC
34	Columbia A06 Pool	4,806	4,806	\$1.6300	Sendout	22-Apr-15	22-Apr-15	AC
35	Tennessee Zone 4 Receipt	18,804	18,804	\$1.0075	Sendout	22-Apr-15	22-Apr-15	AC
36	Tennessee Zone 4 Receipt	3,061	3,061	\$1.0080	Sendout	22-Apr-15	22-Apr-15	AC
37	Tennessee Zone 4 Receipt	5,625	5,625	\$0.9950	Sendout	22-Apr-15	22-Apr-15	AC
38	Uniondale Direct Connect	14,850	14,850	\$2.5150	Purchase for Resale	22-Apr-15	22-Apr-15	AC
39	Uniondale Direct Connect	4,715	4,715	\$2.5150	Purchase for Resale	22-Apr-15	22-Apr-15	AC
40	Columbia A06 Pool	4,806	4,806	\$1.7950	Sendout	23-Apr-15	23-Apr-15	AC
41	Tennessee Zone 4 Receipt	5,625	5,625	\$1.1125	Sendout	23-Apr-15	23-Apr-15	AC
42	Tennessee Zone 4 Receipt	18,804	18,804	\$1.1200	Sendout	23-Apr-15	23-Apr-15	AC
43	Transco Zone 6 NonNY	3,928	3,928	\$2.6543	Sendout	23-Apr-15	23-Apr-15	AC
44	Uniondale Direct Connect	3,928	3,928	\$2.5600	Purchase for Resale	23-Apr-15	23-Apr-15	AC
45	Uniondale Direct Connect	4,715	4,715	\$2.5600	Purchase for Resale	23-Apr-15	23-Apr-15	AC
46	Uniondale Direct Connect	10,750	10,750	\$2.5600	Purchase for Resale	23-Apr-15	23-Apr-15	AC
47	Columbia A06 Pool	4,806	4,806	\$1.8250	Sendout	24-Apr-15	24-Apr-15	AC
48	Tennessee Zone 4 Receipt	18,829	18,829	\$1.2650	Sendout	24-Apr-15	24-Apr-15	AC
49	Tennessee Zone 4 Receipt	5,600	5,600	\$1.2625	Sendout	24-Apr-15	24-Apr-15	AC
50	Transco Zone 4	4,013	4,013	\$2.5700	Storage/Sendout	24-Apr-15	24-Apr-15	AC
51	Uniondale Direct Connect	3,928	3,928	\$2.5750	Purchase for Resale	24-Apr-15	24-Apr-15	AC
52	Uniondale Direct Connect	10,400	10,400	\$2.5750	Purchase for Resale	24-Apr-15	24-Apr-15	AC
53	Uniondale Direct Connect	4,715	4,715	\$2.5750	Purchase for Resale	24-Apr-15	24-Apr-15	AC
54	Columbia A06 Pool	14,418	4,806	\$1.4750	Sendout	25-Apr-15	27-Apr-15	AC
55	Tennessee Zone 4 Receipt	27,300	9,100	\$1.1350	Sendout	25-Apr-15	27-Apr-15	AC
56	Tennessee Zone 4 Receipt	45,987	15,329	\$1.1350	Sendout	25-Apr-15	27-Apr-15	AC
57	Uniondale Direct Connect	43,650	14,550	\$2.2000	Purchase for Resale	25-Apr-15	27-Apr-15	AC
58	Uniondale Direct Connect	14,145	4,715	\$2.2000	Purchase for Resale	25-Apr-15	27-Apr-15	AC
59	Columbia A06 Pool	4,806	4,806	\$1.6350	Sendout	28-Apr-15	28-Apr-15	AC
60	Tennessee Zone 4 Receipt	5,600	5,600	\$1.2950	Sendout	28-Apr-15	28-Apr-15	AC
61	Tennessee Zone 4 Receipt	7,799	7,799	\$1.3000	Sendout	28-Apr-15	28-Apr-15	AC
62	Tennessee Zone 4 Receipt	7,700	7,700	\$1.2975	Sendout	28-Apr-15	28-Apr-15	AC
63	Transco Zone 6 NonNY	4,715	4,715	\$2.4950	Purchase for Resale	28-Apr-15	28-Apr-15	AC
64	Uniondale Direct Connect	14,767	14,767	\$2.4950	Purchase for Resale	28-Apr-15	28-Apr-15	AC
65	Columbia A06 Pool	4,806	4,806	\$1.6100	Sendout	29-Apr-15	29-Apr-15	AC
66	Tennessee Zone 4 Receipt	14,066	14,066	\$1.0150	Sendout	29-Apr-15	29-Apr-15	AC
67	Transco Zone 6 NonNY	4,715	4,715	\$2.4100	Purchase for Resale	29-Apr-15	29-Apr-15	AC
68	Uniondale Direct Connect	14,000	14,000	\$2.4100	Purchase for Resale	29-Apr-15	29-Apr-15	AC
69	Direct Connect CG - CPG	13,850	13,850	\$2.4300	Purchase for Resale	30-Apr-15	30-Apr-15	AC
70	Tennessee Zone 4 Receipt	12,057	12,057	\$1.3275	Sendout	30-Apr-15	30-Apr-15	AC
71	Columbia A06 Pool	4,721	4,721	\$1.5350	Sendout	1-May-15	1-May-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
72	Tennessee Zone 4 Receipt	16,075	16,075	\$1.2350	Sendout	1-May-15	1-May-15	AC
73	Transco Zone 6 NonNY	2,589	2,589	\$2.6050	Purchase for Resale	1-May-15	1-May-15	AC
74	Columbia A06 Pool	372,000	12,000	\$1.8170	Storage	1-May-15	31-May-15	AC
75	Columbia Tco Leach	64,510	2,081	\$2.4200	Purchase for Resale/Storage/Sendout	1-May-15	31-May-15	AC
76	Columbia Tco Pool	2,635	85	\$2.4200	Storage	1-May-15	31-May-15	AC
77	Tennessee Zone 4 Delivered	82	3	\$2.5540	Sendout	1-May-15	31-May-15	AC
78	Tennessee Zone 4 Receipt	233,585	7,535	\$1.0420	Sendout	1-May-15	31-May-15	AC
79	Tennessee Zone 4 Receipt	71,083	2,293	\$0.7670	Sendout	1-May-15	31-May-15	AC
80	Transco Zone 4	11,978	386	\$2.5134	Storage	1-May-15	31-May-15	AC
81	Transco Zone 6 NonNY	428,327	13,817	\$2.2400	Purchase for Resale	1-May-15	31-May-15	AC
82	Transco Zone 6 Receipt	15,562	502	\$1.0250	Storage	1-May-15	31-May-15	AC
83	Uniondale Direct Connect	499	16	\$1.3433	Purchase for Resale/Storage	1-May-15	31-May-15	AC
84	Columbia A06 Pool	14,163	4,721	\$1.3800	Sendout	2-May-15	4-May-15	AC
85	Tennessee Zone 4 Receipt	6,816	2,272	\$0.9650	Sendout	2-May-15	4-May-15	AC
86	Tennessee Zone 4 Receipt	11,268	3,756	\$0.9650	Sendout	2-May-15	4-May-15	AC
87	Transco Zone 6 NonNY	13,890	4,630	\$2.6400	Purchase for Resale	2-May-15	4-May-15	AC
88	Columbia A06 Pool	4,721	4,721	\$1.6950	Sendout	5-May-15	5-May-15	AC
89	Tennessee Zone 4 Receipt	5,572	5,572	\$1.3500	Sendout	5-May-15	5-May-15	AC
90	Tennessee Zone 4 Receipt	5,480	5,480	\$1.3500	Sendout	5-May-15	5-May-15	AC
91	Transco Zone 6 NonNY	4,630	4,630	\$2.7550	Purchase for Resale	5-May-15	5-May-15	AC
92	Columbia A06 Pool	4,721	4,721	\$1.7050	Sendout	6-May-15	6-May-15	AC
93	Tennessee Zone 4 Receipt	5,572	5,572	\$1.4400	Sendout	6-May-15	6-May-15	AC
94	Tennessee Zone 4 Receipt	5,480	5,480	\$1.4400	Sendout	6-May-15	6-May-15	AC
95	Transco Zone 6 NonNY	4,631	4,631	\$2.8100	Purchase for Resale	6-May-15	6-May-15	AC
96	Columbia A06 Pool	4,722	4,722	\$1.7650	Sendout	7-May-15	7-May-15	AC
97	Tennessee Zone 4 Receipt	9,042	9,042	\$1.3100	Sendout	7-May-15	7-May-15	AC
98	Transco Zone 6 NonNY	4,631	4,631	\$2.7950	Purchase for Resale	7-May-15	7-May-15	AC
99	Columbia A06 Pool	4,659	4,659	\$1.5550	Sendout	8-May-15	8-May-15	AC
100	Columbia Tco Pool	63	63	\$2.7575	Storage/Sendout	8-May-15	8-May-15	AC
101	Tennessee Zone 4 Receipt	3,671	3,671	\$1.3450	Sendout	8-May-15	8-May-15	AC
102	Tennessee Zone 4 Receipt	125	125	\$1.3450	Sendout	8-May-15	8-May-15	AC
103	Tennessee Zone 4 Receipt	2,232	2,232	\$1.3450	Sendout	8-May-15	8-May-15	AC
104	Transco Zone 6 NonNY	4,570	4,570	\$2.8000	Purchase for Resale	8-May-15	8-May-15	AC
105	Columbia A06 Pool	14,166	4,722	\$1.4650	Sendout	9-May-15	11-May-15	AC
106	Tennessee Zone 4 Receipt	15,072	5,024	\$1.3750	Sendout	9-May-15	11-May-15	AC
107	Transco Zone 6 NonNY	13,893	4,631	\$2.8200	Purchase for Resale	9-May-15	11-May-15	AC
108	Columbia A06 Pool	4,722	4,722	\$1.8850	Sendout	12-May-15	12-May-15	AC
109	Tennessee Zone 4 Receipt	5,371	5,371	\$1.5750	Sendout	12-May-15	12-May-15	AC
110	Tennessee Zone 4 Receipt	3,671	3,671	\$1.5750	Sendout	12-May-15	12-May-15	AC
111	Transco Zone 6 NonNY	4,631	4,631	\$2.9900	Purchase for Resale	12-May-15	12-May-15	AC
112	Columbia A06 Pool	4,722	4,722	\$1.6550	Sendout	13-May-15	13-May-15	AC
113	Tennessee Zone 4 Receipt	5,046	5,046	\$1.4000	Sendout	13-May-15	13-May-15	AC
114	Tennessee Zone 4 Receipt	5,000	5,000	\$1.4000	Sendout	13-May-15	13-May-15	AC
115	Tennessee Zone 4 Receipt	5,025	5,025	\$1.4000	Sendout	13-May-15	13-May-15	AC
116	Transco Zone 6 NonNY	4,631	4,631	\$2.9050	Purchase for Resale	13-May-15	13-May-15	AC
117	Columbia A06 Pool	4,722	4,722	\$1.5000	Sendout	14-May-15	14-May-15	AC
118	Tennessee Zone 4 Receipt	5,000	5,000	\$1.3250	Sendout	14-May-15	14-May-15	AC
119	Tennessee Zone 4 Receipt	3,671	3,671	\$1.3250	Sendout	14-May-15	14-May-15	AC
120	Tennessee Zone 4 Receipt	5,395	5,395	\$1.3250	Sendout	14-May-15	14-May-15	AC
121	Transco Zone 6 NonNY	4,631	4,631	\$2.8600	Purchase for Resale	14-May-15	14-May-15	AC
122	Columbia A06 Pool	4,722	4,722	\$1.4250	Sendout	15-May-15	15-May-15	AC
123	Tennessee Zone 4 Receipt	3,671	3,671	\$1.2550	Sendout	15-May-15	15-May-15	AC
124	Tennessee Zone 4 Receipt	4,200	4,200	\$1.2550	Sendout	15-May-15	15-May-15	AC
125	Tennessee Zone 4 Receipt	2,176	2,176	\$1.2550	Sendout	15-May-15	15-May-15	AC
126	Transco Zone 6 NonNY	4,631	4,631	\$2.6450	Purchase for Resale	15-May-15	15-May-15	AC
127	Uniondale Direct Connect	559	559	\$1.3151	Purchase for Resale	15-May-15	15-May-15	AC
128	Columbia A06 Pool	14,166	4,722	\$1.3950	Sendout	16-May-15	18-May-15	AC
129	Tennessee Zone 4 Receipt	7,389	2,463	\$1.3050	Sendout	16-May-15	18-May-15	AC
130	Tennessee Zone 4 Receipt	7,683	2,561	\$1.3050	Sendout	16-May-15	18-May-15	AC
131	Transco Zone 6 NonNY	13,893	4,631	\$2.6400	Purchase for Resale	16-May-15	18-May-15	AC
132	Columbia A06 Pool	4,722	4,722	\$1.6450	Sendout	19-May-15	19-May-15	AC
133	Tennessee Zone 4 Receipt	1,886	1,886	\$1.4250	Sendout	19-May-15	19-May-15	AC
134	Tennessee Zone 4 Receipt	6,500	6,500	\$1.4250	Sendout	19-May-15	19-May-15	AC
135	Tennessee Zone 4 Receipt	3,671	3,671	\$1.4250	Sendout	19-May-15	19-May-15	AC
136	Transco Zone 6 NonNY	4,631	4,631	\$3.0450	Purchase for Resale	19-May-15	19-May-15	AC
137	Uniondale Direct Connect	441	441	\$1.4859	Sendout	19-May-15	19-May-15	AC
138	Columbia A06 Pool	4,722	4,722	\$1.7200	Sendout	20-May-15	20-May-15	AC
139	Tennessee Zone 4 Receipt	509	509	\$1.5350	Sendout	20-May-15	20-May-15	AC
140	Tennessee Zone 4 Receipt	9,900	9,900	\$1.5350	Sendout	20-May-15	20-May-15	AC
141	Tennessee Zone 4 Receipt	3,671	3,671	\$1.5350	Sendout	20-May-15	20-May-15	AC
142	Tennessee Zone 4 Receipt	3,000	3,000	\$1.5350	Sendout	20-May-15	20-May-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
143	Transco Zone 6 NonNY	4,631	4,631	\$3.1350	Purchase for Resale	20-May-15	20-May-15	AC
144	Uniondale Direct Connect	537	537	\$1.5964	Purchase for Resale	20-May-15	20-May-15	AC
145	Columbia A06 Pool	4,722	4,722	\$1.5400	Sendout	21-May-15	21-May-15	AC
146	Tennessee Zone 4 Receipt	3,671	3,671	\$1.4000	Sendout	21-May-15	21-May-15	AC
147	Tennessee Zone 4 Receipt	3,300	3,300	\$1.4000	Sendout	21-May-15	21-May-15	AC
148	Tennessee Zone 4 Receipt	725	725	\$1.4000	Sendout	21-May-15	21-May-15	AC
149	Tennessee Zone 4 Receipt	3,356	3,356	\$1.4000	Sendout	21-May-15	21-May-15	AC
150	Transco Zone 6 NonNY	4,631	4,631	\$2.6500	Purchase for Resale	21-May-15	21-May-15	AC
151	Uniondale Direct Connect	1,528	1,528	\$1.4608	Purchase for Resale	21-May-15	21-May-15	AC
152	Columbia A06 Pool	4,722	4,722	\$1.4150	Sendout	22-May-15	22-May-15	AC
153	Tennessee Zone 4 Receipt	3,525	3,525	\$1.2325	Sendout	22-May-15	22-May-15	AC
154	Tennessee Zone 4 Receipt	3,671	3,671	\$1.2325	Sendout	22-May-15	22-May-15	AC
155	Tennessee Zone 4 Receipt	3,856	3,856	\$1.2325	Sendout	22-May-15	22-May-15	AC
156	Transco Zone 6 NonNY	4,632	4,632	\$2.0050	Purchase for Resale	22-May-15	22-May-15	AC
157	Uniondale Direct Connect	1,537	1,537	\$1.2950	Purchase for Resale	22-May-15	22-May-15	AC
158	Columbia A06 Pool	18,888	4,722	\$1.4300	Sendout	23-May-15	26-May-15	AC
159	Transco Zone 6 NonNY	18,520	4,630	\$2.1650	Purchase for Resale	23-May-15	26-May-15	AC
160	Uniondale Direct Connect	6,098	1,525	\$1.2398	Purchase for Resale	23-May-15	26-May-15	AC
161	Columbia A06 Pool	4,722	4,722	\$1.6100	Sendout	27-May-15	27-May-15	AC
162	Tennessee Zone 4 Receipt	3,864	3,864	\$1.3425	Sendout	27-May-15	27-May-15	AC
163	Tennessee Zone 4 Receipt	3,671	3,671	\$1.3425	Sendout	27-May-15	27-May-15	AC
164	Transco Zone 6 NonNY	4,631	4,631	\$2.9100	Purchase for Resale	27-May-15	27-May-15	AC
165	Uniondale Direct Connect	1,510	1,510	\$1.4056	Purchase for Resale	27-May-15	27-May-15	AC
166	Columbia A06 Pool	4,722	4,722	\$1.5300	Sendout	28-May-15	28-May-15	AC
167	Tennessee Zone 4 Receipt	937	937	\$1.3700	Sendout	28-May-15	28-May-15	AC
168	Tennessee Zone 4 Receipt	3,671	3,671	\$1.3700	Sendout	28-May-15	28-May-15	AC
169	Tennessee Zone 4 Receipt	2,425	2,425	\$1.3700	Sendout	28-May-15	28-May-15	AC
170	Transco Zone 6 NonNY	4,632	4,632	\$2.8550	Purchase for Resale	28-May-15	28-May-15	AC
171	Uniondale Direct Connect	1,114	1,114	\$1.4307	Purchase for Resale	28-May-15	28-May-15	AC
172	Columbia A06 Pool	14,166	4,722	\$1.3400	Sendout	29-May-15	31-May-15	AC
173	Tennessee Zone 4 Receipt	7,536	2,512	\$1.1825	Sendout	29-May-15	31-May-15	AC
174	Transco Zone 6 NonNY	13,896	4,632	\$2.1650	Purchase for Resale	29-May-15	31-May-15	AC
175	Uniondale Direct Connect	3,617	1,206	\$1.2548	Purchase for Resale	29-May-15	31-May-15	AC
176	Columbia A06 Pool	4,668	4,668	\$1.2150	Storage	1-Jun-15	1-Jun-15	AC
177	Tennessee Zone 4 Receipt	5,024	5,024	\$1.3000	Purchase for Resale	1-Jun-15	1-Jun-15	AC
178	Tennessee Zone 4 Receipt	13,061	13,061	\$1.1100	Sendout	1-Jun-15	1-Jun-15	AC
179	Transco Zone 6 NonNY	4,580	4,580	\$2.3150	Purchase for Resale	1-Jun-15	1-Jun-15	AC
180	Columbia A06 Pool	359,864	11,995	\$2.1150	Storage	1-Jun-15	30-Jun-15	AC
181	Columbia Tco Leach	62,460	2,082	\$2.7400	Storage	1-Jun-15	30-Jun-15	AC
182	Columbia Tco Pool	4,140	138	\$2.7500	Storage	1-Jun-15	30-Jun-15	AC
183	Tennessee Zone 4 Delivered	44	1	\$2.6660	Sendout	1-Jun-15	30-Jun-15	AC
184	Tennessee Zone 4 Receipt	180,840	6,028	\$1.2450	Sendout	1-Jun-15	30-Jun-15	AC
185	Tennessee Zone 4 Receipt	68,790	2,293	\$1.0650	Storage/Sendout	1-Jun-15	30-Jun-15	AC
186	Transco Zone 4	11,978	399	\$2.8114	Storage	1-Jun-15	30-Jun-15	AC
187	Transco Zone 6 NonNY	414,510	13,817	\$2.5200	Purchase for Resale	1-Jun-15	30-Jun-15	AC
188	Transco Zone 6 Receipt	13,554	452	\$1.2504	Storage	1-Jun-15	30-Jun-15	AC
189	Uniondale Direct Connect	150,000	5,000	\$1.1900	Purchase for Resale	1-Jun-15	30-Jun-15	AC
190	Uniondale Direct Connect	23,000	767	\$1.0331	Purchase for Resale/Storage	1-Jun-15	30-Jun-15	AC
191	Columbia A06 Pool	4,668	4,668	\$1.2250	Storage	2-Jun-15	2-Jun-15	AC
192	Tennessee Zone 4 Receipt	10,047	10,047	\$1.0150	Sendout	2-Jun-15	2-Jun-15	AC
193	Tennessee Zone 4 Receipt	5,024	5,024	\$1.3150	Purchase for Resale	2-Jun-15	2-Jun-15	AC
194	Transco Zone 6 NonNY	4,580	4,580	\$2.4000	Purchase for Resale	2-Jun-15	2-Jun-15	AC
195	Columbia A06 Pool	4,668	4,668	\$1.1900	Storage	3-Jun-15	3-Jun-15	AC
196	Tennessee Zone 4 Receipt	5,200	5,200	\$0.8950	Sendout	3-Jun-15	3-Jun-15	AC
197	Tennessee Zone 4 Receipt	5,024	5,024	\$1.2350	Purchase for Resale	3-Jun-15	3-Jun-15	AC
198	Tennessee Zone 4 Receipt	5,852	5,852	\$0.8950	Sendout	3-Jun-15	3-Jun-15	AC
199	Transco Zone 6 NonNY	4,580	4,580	\$2.0150	Purchase for Resale	3-Jun-15	3-Jun-15	AC
200	Columbia A06 Pool	4,668	4,668	\$1.1650	Storage	4-Jun-15	4-Jun-15	AC
201	Tennessee Zone 4 Receipt	11,052	11,052	\$0.9550	Sendout	4-Jun-15	4-Jun-15	AC
202	Tennessee Zone 4 Receipt	5,024	5,024	\$1.2600	Purchase for Resale	4-Jun-15	4-Jun-15	AC
203	Transco Zone 6 NonNY	4,580	4,580	\$1.8250	Purchase for Resale	4-Jun-15	4-Jun-15	AC
204	Columbia A06 Pool	4,668	4,668	\$1.1350	Storage	5-Jun-15	5-Jun-15	AC
205	Tennessee Zone 4 Receipt	8,038	8,038	\$0.9100	Purchase for Resale/Storage	5-Jun-15	5-Jun-15	AC
206	Tennessee Zone 4 Receipt	5,024	5,024	\$1.1650	Purchase for Resale	5-Jun-15	5-Jun-15	AC
207	Transco Zone 6 NonNY	4,580	4,580	\$1.6250	Purchase for Resale	5-Jun-15	5-Jun-15	AC
208	Columbia A06 Pool	14,004	4,668	\$1.0700	Storage	6-Jun-15	8-Jun-15	AC
209	Tennessee Zone 4 Receipt	15,072	5,024	\$1.1200	Purchase for Resale	6-Jun-15	8-Jun-15	AC
210	Transco Zone 6 NonNY	13,606	4,535	\$1.5800	Purchase for Resale	6-Jun-15	8-Jun-15	AC
211	Columbia A06 Pool	4,668	4,668	\$1.3500	Storage	9-Jun-15	9-Jun-15	AC
212	Tennessee Zone 4 Receipt	2,400	2,400	\$0.7100	Sendout	9-Jun-15	9-Jun-15	AC
213	Tennessee Zone 4 Receipt	5,024	5,024	\$1.4800	Purchase for Resale	9-Jun-15	9-Jun-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
214	Tennessee Zone 4 Receipt	5,638	5,638	\$0.7100	Sendout	9-Jun-15	9-Jun-15	AC
215	Transco Zone 6 NonNY	4,580	4,580	\$2.7650	Purchase for Resale	9-Jun-15	9-Jun-15	AC
216	Tennessee Zone 4 Receipt	5,024	5,024	\$1.6900	Purchase for Resale	10-Jun-15	10-Jun-15	AC
217	Tennessee Zone 4 Receipt	3,100	3,100	\$1.2150	Sendout	10-Jun-15	10-Jun-15	AC
218	Tennessee Zone 4 Receipt	3,942	3,942	\$1.2150	Sendout	10-Jun-15	10-Jun-15	AC
219	Tennessee Zone 4 Receipt	2,000	2,000	\$1.2150	Sendout	10-Jun-15	10-Jun-15	AC
220	Transco Zone 6 NonNY	4,580	4,580	\$2.9650	Purchase for Resale	10-Jun-15	10-Jun-15	AC
221	Columbia A06 Pool	14,004	4,668	\$1.5233	Storage	10-Jun-15	12-Jun-15	AC
222	Tennessee Zone 4 Receipt	9,042	9,042	\$1.2700	Sendout	11-Jun-15	11-Jun-15	AC
223	Tennessee Zone 4 Receipt	5,024	5,024	\$1.6900	Purchase for Resale	11-Jun-15	11-Jun-15	AC
224	Transco Zone 6 NonNY	4,580	4,580	\$3.0000	Purchase for Resale	11-Jun-15	11-Jun-15	AC
225	Tennessee Zone 4 Receipt	5,023	5,023	\$0.8550	Sendout	12-Jun-15	12-Jun-15	AC
226	Tennessee Zone 4 Receipt	5,024	5,024	\$1.6150	Purchase for Resale	12-Jun-15	12-Jun-15	AC
227	Transco Zone 6 NonNY	4,580	4,580	\$2.9200	Purchase for Resale	12-Jun-15	12-Jun-15	AC
228	Columbia A06 Pool	14,004	4,668	\$1.4100	Storage	13-Jun-15	15-Jun-15	AC
229	Tennessee Zone 4 Receipt	15,072	5,024	\$1.3900	Purchase for Resale	13-Jun-15	15-Jun-15	AC
230	Tennessee Zone 4 Receipt	9,042	3,014	\$0.6500	Sendout	13-Jun-15	15-Jun-15	AC
231	Transco Zone 6 NonNY	13,740	4,580	\$2.6800	Purchase for Resale	13-Jun-15	15-Jun-15	AC
232	Columbia Tco Pool	4,668	4,668	\$2.8175	Storage/Sendout	16-Jun-15	16-Jun-15	AC
233	Tennessee Zone 4 Receipt	5,024	5,024	\$1.5600	Purchase for Resale	16-Jun-15	16-Jun-15	AC
234	Tennessee Zone 4 Receipt	12,056	12,056	\$0.9750	Sendout	16-Jun-15	16-Jun-15	AC
235	Transco Zone 6 NonNY	4,580	4,580	\$2.9950	Purchase for Resale	16-Jun-15	16-Jun-15	AC
236	Columbia A06 Pool	4,668	4,668	\$1.7400	Storage	17-Jun-15	17-Jun-15	AC
237	Tennessee Zone 4 Receipt	5,024	5,024	\$1.6350	Purchase for Resale	17-Jun-15	17-Jun-15	AC
238	Tennessee Zone 4 Receipt	9,545	9,545	\$1.1400	Sendout	17-Jun-15	17-Jun-15	AC
239	Transco Zone 6 NonNY	4,580	4,580	\$3.0150	Purchase for Resale	17-Jun-15	17-Jun-15	AC
240	Columbia A06 Pool	4,668	4,668	\$1.6350	Storage	18-Jun-15	18-Jun-15	AC
241	Tennessee Zone 4 Receipt	4,000	4,000	\$1.2000	Sendout	18-Jun-15	18-Jun-15	AC
242	Tennessee Zone 4 Receipt	5,042	5,042	\$1.2000	Sendout	18-Jun-15	18-Jun-15	AC
243	Tennessee Zone 4 Receipt	5,024	5,024	\$1.6500	Purchase for Resale	18-Jun-15	18-Jun-15	AC
244	Transco Zone 6 NonNY	4,580	4,580	\$2.8300	Purchase for Resale	18-Jun-15	18-Jun-15	AC
245	Columbia A06 Pool	4,668	4,668	\$1.4950	Storage	19-Jun-15	19-Jun-15	AC
246	Tennessee Zone 4 Receipt	5,024	5,024	\$1.5100	Purchase for Resale/Storage	19-Jun-15	19-Jun-15	AC
247	Transco Zone 6 NonNY	4,580	4,580	\$2.7550	Purchase for Resale	19-Jun-15	19-Jun-15	AC
248	Tennessee Zone 4 Receipt	8,403	2,801	\$1.1500	Sendout	20-Jun-15	22-Jun-15	AC
249	Tennessee Zone 4 Receipt	15,072	5,024	\$1.3550	Purchase for Resale	20-Jun-15	22-Jun-15	AC
250	Tennessee Zone 4 Receipt	639	213	\$1.1500	Sendout	20-Jun-15	22-Jun-15	AC
251	Tennessee Zone 4 Receipt	9,043	9,043	\$1.2700	Sendout	23-Jun-15	23-Jun-15	AC
252	Tennessee Zone 4 Receipt	5,024	5,024	\$1.5450	Purchase for Resale	23-Jun-15	23-Jun-15	AC
253	Columbia A06 Pool	4,668	4,668	\$1.4150	Storage	24-Jun-15	24-Jun-15	AC
254	Tennessee Zone 4 Receipt	4,375	4,375	\$1.2650	Sendout	24-Jun-15	24-Jun-15	AC
255	Tennessee Zone 4 Receipt	3,663	3,663	\$1.2650	Sendout	24-Jun-15	24-Jun-15	AC
256	Tennessee Zone 4 Receipt	5,024	5,024	\$1.4550	Purchase for Resale	24-Jun-15	24-Jun-15	AC
257	Transco Zone 6 NonNY	4,580	4,580	\$2.9150	Purchase for Resale	24-Jun-15	24-Jun-15	AC
258	Columbia A06 Pool	4,668	4,668	\$1.2200	Storage	25-Jun-15	25-Jun-15	AC
259	Tennessee Zone 4 Receipt	5,024	5,024	\$1.2800	Purchase for Resale	25-Jun-15	25-Jun-15	AC
260	Tennessee Zone 4 Receipt	875	875	\$1.1175	Sendout	25-Jun-15	25-Jun-15	AC
261	Tennessee Zone 4 Receipt	7,163	7,163	\$1.1175	Sendout	25-Jun-15	25-Jun-15	AC
262	Transco Zone 6 NonNY	4,580	4,580	\$2.6800	Purchase for Resale	25-Jun-15	25-Jun-15	AC
263	Uniondale Direct Connect	11,000	11,000	\$1.1150	Purchase for Resale	25-Jun-15	25-Jun-15	AC
264	Columbia A06 Pool	4,668	4,668	\$1.1200	Storage	26-Jun-15	26-Jun-15	AC
265	Tennessee Zone 4 Receipt	5,024	5,024	\$1.2000	Purchase for Resale	26-Jun-15	26-Jun-15	AC
266	Tennessee Zone 4 Receipt	6,028	6,028	\$1.0300	Sendout	26-Jun-15	26-Jun-15	AC
267	Transco Zone 6 NonNY	4,580	4,580	\$2.3250	Purchase for Resale	26-Jun-15	26-Jun-15	AC
268	Uniondale Direct Connect	9,000	9,000	\$1.0250	Purchase for Resale	26-Jun-15	26-Jun-15	AC
269	Columbia A06 Pool	9,174	3,058	\$1.1400	Storage	27-Jun-15	29-Jun-15	AC
270	Tennessee Zone 4 Receipt	15,072	5,024	\$1.0425	Sendout	27-Jun-15	29-Jun-15	AC
271	Transco Zone 6 NonNY	9,000	3,000	\$1.6150	Purchase for Resale	27-Jun-15	29-Jun-15	AC
272	Uniondale Direct Connect	24,000	8,000	\$1.0400	Purchase for Resale	27-Jun-15	29-Jun-15	AC
273	Columbia A06 Pool	1,019	1,019	\$1.1350	Storage	30-Jun-15	30-Jun-15	AC
274	Tennessee Zone 4 Receipt	7,033	7,033	\$1.0950	Sendout	30-Jun-15	30-Jun-15	AC
275	Transco Zone 6 NonNY	1,000	1,000	\$2.1000	Purchase for Resale	30-Jun-15	30-Jun-15	AC
276	Columbia A06 Pool	4,668	4,668	\$1.0700	Storage	1-Jul-15	1-Jul-15	AC
277	Tennessee Zone 4 Receipt	10,047	10,047	\$0.9675	Sendout	1-Jul-15	1-Jul-15	AC
278	Tennessee Zone 4 Receipt	2,009	2,009	\$1.1000	Purchase for Resale	1-Jul-15	1-Jul-15	AC
279	Transco Zone 6 NonNY	4,580	4,580	\$2.0600	Purchase for Resale	1-Jul-15	1-Jul-15	AC
280	Columbia A06 Pool	369,864	11,931	\$2.0730	Storage	1-Jul-15	31-Jul-15	AC
281	Columbia Tco Leach	64,477	2,080	\$2.6800	Storage	1-Jul-15	31-Jul-15	AC
282	Columbia Tco Pool	4,278	138	\$2.6825	Storage	1-Jul-15	31-Jul-15	AC
283	Tennessee Zone 4 Delivered	36	1	\$2.7940	Sendout	1-Jul-15	31-Jul-15	AC
284	Tennessee Zone 4 Receipt	71,331	2,301	\$1.0925	Sendout	1-Jul-15	31-Jul-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
285	Tennessee Zone 4 Receipt	71,083	2,293	\$1.0230	Storage/Sendout	1-Jul-15	31-Jul-15	AC
286	Transco Zone 4	11,978	386	\$2.7694	Storage	1-Jul-15	31-Jul-15	AC
287	Transco Zone 6 NonNY	426,232	13,749	\$2.1400	Purchase for Resale	1-Jul-15	31-Jul-15	AC
288	Transco Zone 6 NonNY	88,684	2,861	\$2.9172	Storage	1-Jul-15	31-Jul-15	AC
289	Transco Zone 6 Receipt	15,060	486	\$1.1080	Storage	1-Jul-15	31-Jul-15	AC
290	Uniondale Direct Connect	139,500	4,500	\$1.0900	Purchase for Resale	1-Jul-15	31-Jul-15	AC
291	Uniondale Direct Connect	20,750	669	\$1.0873	Purchase for Resale/Sendout	1-Jul-15	31-Jul-15	AC
292	Columbia A06 Pool	4,668	4,668	\$1.0300	Storage	2-Jul-15	2-Jul-15	AC
293	Tennessee Zone 4 Receipt	8,540	8,540	\$0.9800	Sendout	2-Jul-15	2-Jul-15	AC
294	Tennessee Zone 4 Receipt	5,024	5,024	\$1.0950	Purchase for Resale	2-Jul-15	2-Jul-15	AC
295	Transco Zone 6 NonNY	4,580	4,580	\$1.5400	Purchase for Resale	2-Jul-15	2-Jul-15	AC
296	Columbia A06 Pool	18,672	4,668	\$0.6750	Storage	3-Jul-15	6-Jul-15	AC
297	Tennessee Zone 4 Receipt	12,056	3,014	\$0.5750	Sendout	3-Jul-15	6-Jul-15	AC
298	Tennessee Zone 4 Receipt	12,056	3,014	\$0.8600	Purchase for Resale	3-Jul-15	6-Jul-15	AC
299	Transco Zone 6 NonNY	18,320	4,580	\$1.1400	Purchase for Resale	3-Jul-15	6-Jul-15	AC
300	Columbia A06 Pool	4,668	4,668	\$1.3000	Storage	7-Jul-15	7-Jul-15	AC
301	Tennessee Zone 4 Receipt	10,000	10,000	\$1.1250	Sendout	7-Jul-15	7-Jul-15	AC
302	Tennessee Zone 4 Receipt	2,459	2,459	\$1.1250	Sendout	7-Jul-15	7-Jul-15	AC
303	Tennessee Zone 4 Receipt	100	100	\$1.1250	Sendout	7-Jul-15	7-Jul-15	AC
304	Tennessee Zone 4 Receipt	3,014	3,014	\$1.2650	Purchase for Resale	7-Jul-15	7-Jul-15	AC
305	Transco Zone 6 NonNY	4,580	4,580	\$2.1950	Purchase for Resale	7-Jul-15	7-Jul-15	AC
306	Columbia A06 Pool	3,058	3,058	\$1.1950	Storage	8-Jul-15	8-Jul-15	AC
307	Tennessee Zone 4 Receipt	5,350	5,350	\$1.0475	Sendout	8-Jul-15	8-Jul-15	AC
308	Tennessee Zone 4 Receipt	5,200	5,200	\$1.0475	Sendout	8-Jul-15	8-Jul-15	AC
309	Tennessee Zone 4 Receipt	3,014	3,014	\$1.2000	Purchase for Resale	8-Jul-15	8-Jul-15	AC
310	Transco Zone 6 NonNY	2,936	2,936	\$2.5600	Purchase for Resale	8-Jul-15	8-Jul-15	AC
311	Columbia A06 Pool	4,668	4,668	\$1.0750	Storage	9-Jul-15	9-Jul-15	AC
312	Tennessee Zone 4 Receipt	10,550	10,550	\$0.9925	Sendout	9-Jul-15	9-Jul-15	AC
313	Tennessee Zone 4 Receipt	3,014	3,014	\$1.1350	Purchase for Resale	9-Jul-15	9-Jul-15	AC
314	Transco Zone 6 NonNY	4,580	4,580	\$2.3400	Purchase for Resale	9-Jul-15	9-Jul-15	AC
315	Columbia A06 Pool	4,668	4,668	\$1.0650	Storage	10-Jul-15	10-Jul-15	AC
316	Tennessee Zone 4 Receipt	7,842	7,842	\$0.9450	Sendout	10-Jul-15	10-Jul-15	AC
317	Tennessee Zone 4 Receipt	1,200	1,200	\$0.9450	Sendout	10-Jul-15	10-Jul-15	AC
318	Tennessee Zone 4 Receipt	3,014	3,014	\$1.1650	Purchase for Resale	10-Jul-15	10-Jul-15	AC
319	Transco Zone 6 NonNY	4,580	4,580	\$2.0750	Purchase for Resale	10-Jul-15	10-Jul-15	AC
320	Columbia A06 Pool	14,004	4,668	\$1.1650	Storage	11-Jul-15	13-Jul-15	AC
321	Tennessee Zone 4 Receipt	22,605	7,535	\$1.0275	Sendout	11-Jul-15	13-Jul-15	AC
322	Tennessee Zone 4 Receipt	9,042	3,014	\$1.2900	Purchase for Resale	11-Jul-15	13-Jul-15	AC
323	Transco Zone 6 NonNY	13,740	4,580	\$2.0200	Purchase for Resale	11-Jul-15	13-Jul-15	AC
324	Columbia A06 Pool	4,077	4,077	\$1.2700	Storage	14-Jul-15	14-Jul-15	AC
325	Columbia Tco Pool	591	591	\$2.8000	Storage	14-Jul-15	14-Jul-15	AC
326	Tennessee Zone 4 Receipt	5,000	5,000	\$1.0575	Sendout	14-Jul-15	14-Jul-15	AC
327	Tennessee Zone 4 Receipt	1,308	1,308	\$1.0575	Sendout	14-Jul-15	14-Jul-15	AC
328	Tennessee Zone 4 Receipt	5,749	5,749	\$1.0575	Sendout	14-Jul-15	14-Jul-15	AC
329	Tennessee Zone 4 Receipt	3,014	3,014	\$1.3600	Purchase for Resale	14-Jul-15	14-Jul-15	AC
330	Transco Zone 6 NonNY	4,580	4,580	\$2.8150	Purchase for Resale	14-Jul-15	14-Jul-15	AC
331	Columbia A06 Pool	4,668	4,668	\$1.1750	Storage	15-Jul-15	15-Jul-15	AC
332	Tennessee Zone 4 Receipt	12,056	12,056	\$1.0475	Sendout	15-Jul-15	15-Jul-15	AC
333	Tennessee Zone 4 Receipt	2,009	2,009	\$1.3100	Purchase for Resale	15-Jul-15	15-Jul-15	AC
334	Transco Zone 6 NonNY	4,580	4,580	\$2.1050	Purchase for Resale	15-Jul-15	15-Jul-15	AC
335	Columbia A06 Pool	4,668	4,668	\$1.1650	Storage	16-Jul-15	16-Jul-15	AC
336	Tennessee Zone 4 Receipt	12,057	12,057	\$0.9875	Sendout	16-Jul-15	16-Jul-15	AC
337	Tennessee Zone 4 Receipt	3,014	3,014	\$1.3600	Purchase for Resale	16-Jul-15	16-Jul-15	AC
338	Transco Zone 6 NonNY	4,580	4,580	\$1.8350	Purchase for Resale	16-Jul-15	16-Jul-15	AC
339	Columbia A06 Pool	4,668	4,668	\$1.1750	Storage	17-Jul-15	17-Jul-15	AC
340	Tennessee Zone 4 Receipt	10,047	10,047	\$1.0225	Sendout	17-Jul-15	17-Jul-15	AC
341	Tennessee Zone 4 Receipt	3,014	3,014	\$1.3150	Purchase for Resale	17-Jul-15	17-Jul-15	AC
342	Transco Zone 6 NonNY	4,580	4,580	\$1.6300	Purchase for Resale	17-Jul-15	17-Jul-15	AC
343	Tennessee Zone 4 Receipt	21,099	7,033	\$1.1025	Sendout	18-Jul-15	20-Jul-15	AC
344	Tennessee Zone 4 Receipt	9,042	3,014	\$1.3750	Purchase for Resale	18-Jul-15	20-Jul-15	AC
345	Columbia A06 Pool	4,668	4,668	\$1.2850	Storage	21-Jul-15	21-Jul-15	AC
346	Tennessee Zone 4 Receipt	10,600	10,600	\$1.1450	Sendout	21-Jul-15	21-Jul-15	AC
347	Tennessee Zone 4 Receipt	1,457	1,457	\$1.1450	Sendout	21-Jul-15	21-Jul-15	AC
348	Tennessee Zone 4 Receipt	3,014	3,014	\$1.4150	Purchase for Resale	21-Jul-15	21-Jul-15	AC
349	Transco Zone 6 NonNY	4,580	4,580	\$2.9500	Purchase for Resale	21-Jul-15	21-Jul-15	AC
350	Columbia A06 Pool	4,668	4,668	\$1.2500	Storage	22-Jul-15	22-Jul-15	AC
351	Tennessee Zone 4 Receipt	12,057	12,057	\$1.1400	Sendout	22-Jul-15	22-Jul-15	AC
352	Tennessee Zone 4 Receipt	3,014	3,014	\$1.4250	Purchase for Resale	22-Jul-15	22-Jul-15	AC
353	Transco Zone 6 NonNY	4,580	4,580	\$2.1550	Purchase for Resale	22-Jul-15	22-Jul-15	AC
354	Columbia A06 Pool	3,058	3,058	\$1.1550	Sendout	23-Jul-15	23-Jul-15	AC
355	Tennessee Zone 4 Receipt	12,559	12,559	\$1.1600	Sendout	23-Jul-15	23-Jul-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
356	Tennessee Zone 4 Receipt	3,014	3,014	\$1.3500	Purchase for Resale	23-Jul-15	23-Jul-15	AC
357	Transco Zone 6 NonNY	3,000	3,000	\$1.8700	Purchase for Resale	23-Jul-15	23-Jul-15	AC
358	Columbia A06 Pool	4,668	4,668	\$1.1750	Storage	24-Jul-15	24-Jul-15	AC
359	Tennessee Zone 4 Receipt	10,500	10,500	\$1.1525	Sendout	24-Jul-15	24-Jul-15	AC
360	Tennessee Zone 4 Receipt	50	50	\$1.1525	Sendout	24-Jul-15	24-Jul-15	AC
361	Tennessee Zone 4 Receipt	3,014	3,014	\$1.3000	Purchase for Resale	24-Jul-15	24-Jul-15	AC
362	Transco Zone 6 NonNY	4,580	4,580	\$1.7700	Purchase for Resale	24-Jul-15	24-Jul-15	AC
363	Tennessee Zone 4 Receipt	9,042	3,014	\$1.2500	Purchase for Resale	25-Jul-15	27-Jul-15	AC
364	Tennessee Zone 4 Receipt	19,590	6,530	\$1.1400	Sendout	25-Jul-15	27-Jul-15	AC
365	Columbia A06 Pool	4,668	4,668	\$1.5750	Storage	28-Jul-15	28-Jul-15	AC
366	Tennessee Zone 4 Receipt	9,400	9,400	\$1.3225	Sendout	28-Jul-15	28-Jul-15	AC
367	Tennessee Zone 4 Receipt	1,527	1,527	\$1.3225	Sendout	28-Jul-15	28-Jul-15	AC
368	Tennessee Zone 4 Receipt	125	125	\$1.3225	Sendout	28-Jul-15	28-Jul-15	AC
369	Tennessee Zone 4 Receipt	3,014	3,014	\$1.6550	Purchase for Resale	28-Jul-15	28-Jul-15	AC
370	Transco Zone 6 NonNY	4,580	4,580	\$2.9400	Purchase for Resale	28-Jul-15	28-Jul-15	AC
371	Columbia A06 Pool	4,668	4,668	\$1.5100	Storage	29-Jul-15	29-Jul-15	AC
372	Tennessee Zone 4 Receipt	7,000	7,000	\$1.2650	Sendout	29-Jul-15	29-Jul-15	AC
373	Tennessee Zone 4 Receipt	6,061	6,061	\$1.2650	Sendout	29-Jul-15	29-Jul-15	AC
374	Tennessee Zone 4 Receipt	3,014	3,014	\$1.6150	Purchase for Resale	29-Jul-15	29-Jul-15	AC
375	Transco Zone 6 NonNY	4,580	4,580	\$2.9650	Purchase for Resale	29-Jul-15	29-Jul-15	AC
376	Columbia A06 Pool	4,668	4,668	\$1.3600	Storage	30-Jul-15	30-Jul-15	AC
377	Tennessee Zone 4 Receipt	5,204	5,204	\$1.2475	Sendout	30-Jul-15	30-Jul-15	AC
378	Tennessee Zone 4 Receipt	6,350	6,350	\$1.2475	Sendout	30-Jul-15	30-Jul-15	AC
379	Tennessee Zone 4 Receipt	3,014	3,014	\$1.5200	Purchase for Resale	30-Jul-15	30-Jul-15	AC
380	Transco Zone 6 NonNY	4,580	4,580	\$2.9900	Purchase for Resale	30-Jul-15	30-Jul-15	AC
381	Tennessee Zone 4 Receipt	3,375	3,375	\$1.2425	Sendout	31-Jul-15	31-Jul-15	AC
382	Tennessee Zone 4 Receipt	142	142	\$1.2425	Sendout	31-Jul-15	31-Jul-15	AC
383	Tennessee Zone 4 Receipt	3,014	3,014	\$1.5000	Purchase for Resale	31-Jul-15	31-Jul-15	AC
384	Tennessee Zone 4 Receipt	19,593	6,531	\$1.1750	Sendout	1-Aug-15	3-Aug-15	AC
385	Tennessee Zone 4 Receipt	9,042	3,014	\$1.4250	Purchase for Resale	1-Aug-15	3-Aug-15	AC
386	Columbia A06 Pool	372,000	12,000	\$2.1860	Sendout	1-Aug-15	31-Aug-15	AC
387	Columbia Tco Leach	64,573	2,083	\$2.7900	Sendout	1-Aug-15	31-Aug-15	AC
388	Columbia Tco Pool	4,650	150	\$2.7950	Sendout	1-Aug-15	31-Aug-15	AC
389	Tennessee Zone 4 Delivered	27	1	\$2.8300	Sendout	1-Aug-15	31-Aug-15	AC
390	Tennessee Zone 4 Receipt	71,083	2,293	\$1.1360	Sendout	1-Aug-15	31-Aug-15	AC
391	Transco Zone 4	11,978	386	\$2.8824	Storage	1-Aug-15	31-Aug-15	AC
392	Transco Zone 6 NonNY	428,327	13,817	\$2.1400	Purchase for Resale	1-Aug-15	31-Aug-15	AC
393	Transco Zone 6 NonNY	82,881	2,674	\$2.8566	Sendout	1-Aug-15	31-Aug-15	AC
394	Transco Zone 6 Receipt	15,562	502	\$1.0674	Sendout	1-Aug-15	31-Aug-15	AC
395	Uniondale Direct Connect	124,000	4,000	\$1.1100	Purchase for Resale	1-Aug-15	31-Aug-15	AC
396	Uniondale Direct Connect	39,379	1,270	\$0.9948	Sendout	1-Aug-15	31-Aug-15	AC
397	Columbia A06 Pool	4,656	4,656	\$1.3450	Sendout	4-Aug-15	4-Aug-15	AC
398	Tennessee Zone 4 Receipt	3,750	3,750	\$1.2125	Sendout	4-Aug-15	4-Aug-15	AC
399	Tennessee Zone 4 Receipt	5,309	5,309	\$1.2125	Sendout	4-Aug-15	4-Aug-15	AC
400	Tennessee Zone 4 Receipt	800	800	\$1.2125	Sendout	4-Aug-15	4-Aug-15	AC
401	Tennessee Zone 4 Receipt	2,700	2,700	\$1.2125	Sendout	4-Aug-15	4-Aug-15	AC
402	Tennessee Zone 4 Receipt	3,014	3,014	\$1.4900	Purchase for Resale	4-Aug-15	4-Aug-15	AC
403	Transco Zone 6 NonNY	4,568	4,568	\$2.5350	Purchase for Resale	4-Aug-15	4-Aug-15	AC
404	Columbia A06 Pool	2,038	2,038	\$1.3750	Sendout	5-Aug-15	5-Aug-15	AC
405	Tennessee Zone 4 Receipt	8,200	8,200	\$1.1750	Sendout	5-Aug-15	5-Aug-15	AC
406	Tennessee Zone 4 Receipt	2,350	2,350	\$1.1750	Sendout	5-Aug-15	5-Aug-15	AC
407	Tennessee Zone 4 Receipt	3,014	3,014	\$1.4650	Purchase for Resale	5-Aug-15	5-Aug-15	AC
408	Transco Zone 6 NonNY	2,000	2,000	\$2.1600	Purchase for Resale	5-Aug-15	5-Aug-15	AC
409	Columbia A06 Pool	4,656	4,656	\$1.2200	Sendout	6-Aug-15	6-Aug-15	AC
410	Tennessee Zone 4 Receipt	10,000	10,000	\$1.1675	Sendout	6-Aug-15	6-Aug-15	AC
411	Tennessee Zone 4 Receipt	3,061	3,061	\$1.1675	Sendout	6-Aug-15	6-Aug-15	AC
412	Tennessee Zone 4 Receipt	3,008	3,008	\$1.3950	Purchase for Resale	6-Aug-15	6-Aug-15	AC
413	Transco Zone 6 NonNY	4,568	4,568	\$2.0250	Purchase for Resale	6-Aug-15	6-Aug-15	AC
414	Columbia A06 Pool	4,656	4,656	\$1.2000	Sendout	7-Aug-15	7-Aug-15	AC
415	Tennessee Zone 4 Receipt	4,202	4,202	\$1.1100	Sendout	7-Aug-15	7-Aug-15	AC
416	Tennessee Zone 4 Receipt	2,500	2,500	\$1.1100	Sendout	7-Aug-15	7-Aug-15	AC
417	Tennessee Zone 4 Receipt	3,750	3,750	\$1.1100	Sendout	7-Aug-15	7-Aug-15	AC
418	Tennessee Zone 4 Receipt	600	600	\$1.1100	Sendout	7-Aug-15	7-Aug-15	AC
419	Tennessee Zone 4 Receipt	3,008	3,008	\$1.3500	Purchase for Resale	7-Aug-15	7-Aug-15	AC
420	Transco Zone 6 NonNY	4,568	4,568	\$1.8450	Purchase for Resale	7-Aug-15	7-Aug-15	AC
421	Tennessee Zone 4 Receipt	19,593	6,531	\$1.1175	Sendout	8-Aug-15	10-Aug-15	AC
422	Tennessee Zone 4 Receipt	9,024	3,008	\$1.4100	Purchase for Resale	8-Aug-15	10-Aug-15	AC
423	Columbia A06 Pool	4,656	4,656	\$1.4800	Sendout	11-Aug-15	11-Aug-15	AC
424	Tennessee Zone 4 Receipt	13,061	13,061	\$1.3050	Sendout	11-Aug-15	11-Aug-15	AC
425	Tennessee Zone 4 Receipt	3,008	3,008	\$1.5750	Purchase for Resale	11-Aug-15	11-Aug-15	AC
426	Transco Zone 6 NonNY	4,568	4,568	\$2.5300	Purchase for Resale	11-Aug-15	11-Aug-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
427	Columbia A06 Pool	1,019	1,019	\$1.5450	Sendout	12-Aug-15	12-Aug-15	AC
428	Tennessee Zone 4 Receipt	10,000	10,000	\$1.3250	Sendout	12-Aug-15	12-Aug-15	AC
429	Tennessee Zone 4 Receipt	3,564	3,564	\$1.3250	Sendout	12-Aug-15	12-Aug-15	AC
430	Transco Zone 6 NonNY	1,000	1,000	\$2.6750	Purchase for Resale	12-Aug-15	12-Aug-15	AC
431	Columbia A06 Pool	4,656	4,656	\$1.5500	Sendout	13-Aug-15	13-Aug-15	AC
432	Tennessee Zone 4 Receipt	10,750	10,750	\$1.2900	Sendout	13-Aug-15	13-Aug-15	AC
433	Tennessee Zone 4 Receipt	1,307	1,307	\$1.2900	Sendout	13-Aug-15	13-Aug-15	AC
434	Transco Zone 6 NonNY	4,568	4,568	\$2.7600	Purchase for Resale	13-Aug-15	13-Aug-15	AC
435	Tennessee Zone 4 Receipt	9,042	9,042	\$1.1500	Sendout	14-Aug-15	14-Aug-15	AC
436	Tennessee Zone 4 Receipt	11,250	3,750	\$0.9650	Sendout	15-Aug-15	17-Aug-15	AC
437	Tennessee Zone 4 Receipt	5,328	1,776	\$0.9650	Sendout	15-Aug-15	17-Aug-15	AC
438	Columbia A06 Pool	4,656	4,656	\$1.4850	Sendout	18-Aug-15	18-Aug-15	AC
439	Tennessee Zone 4 Receipt	5,050	5,050	\$0.8000	Sendout	18-Aug-15	18-Aug-15	AC
440	Tennessee Zone 4 Receipt	3,992	3,992	\$0.8000	Sendout	18-Aug-15	18-Aug-15	AC
441	Transco Zone 6 NonNY	4,568	4,568	\$2.8700	Purchase for Resale	18-Aug-15	18-Aug-15	AC
442	Columbia Tco Pool	4,656	4,656	\$2.6650	Sendout	19-Aug-15	19-Aug-15	AC
443	Tennessee Zone 4 Receipt	6,000	6,000	\$0.6700	Sendout	19-Aug-15	19-Aug-15	AC
444	Tennessee Zone 4 Receipt	5,000	5,000	\$0.6700	Sendout	19-Aug-15	19-Aug-15	AC
445	Tennessee Zone 4 Receipt	52	52	\$0.6700	Sendout	19-Aug-15	19-Aug-15	AC
446	Transco Zone 6 NonNY	4,568	4,568	\$2.7050	Purchase for Resale	19-Aug-15	19-Aug-15	AC
447	Columbia A06 Pool	4,656	4,656	\$1.1850	Sendout	20-Aug-15	20-Aug-15	AC
448	Tennessee Zone 4 Receipt	12,057	12,057	\$0.7725	Sendout	20-Aug-15	20-Aug-15	AC
449	Transco Zone 6 NonNY	4,568	4,568	\$2.6850	Purchase for Resale	20-Aug-15	20-Aug-15	AC
450	Tennessee Zone 4 Receipt	2,500	2,500	\$0.9350	Sendout	21-Aug-15	21-Aug-15	AC
451	Tennessee Zone 4 Receipt	8,500	8,500	\$0.9325	Sendout	21-Aug-15	21-Aug-15	AC
452	Tennessee Zone 4 Receipt	52	52	\$0.9325	Sendout	21-Aug-15	21-Aug-15	AC
453	Tennessee Zone 4 Receipt	18,084	6,028	\$0.6775	Sendout	22-Aug-15	24-Aug-15	AC
454	Columbia A06 Pool	4,656	4,656	\$1.2450	Sendout	25-Aug-15	25-Aug-15	AC
455	Tennessee Zone 4 Receipt	6,800	6,800	\$0.8350	Sendout	25-Aug-15	25-Aug-15	AC
456	Tennessee Zone 4 Receipt	3,750	3,750	\$0.8350	Sendout	25-Aug-15	25-Aug-15	AC
457	Transco Zone 6 NonNY	4,568	4,568	\$2.5950	Purchase for Resale	25-Aug-15	25-Aug-15	AC
458	Columbia A06 Pool	4,656	4,656	\$1.1750	Sendout	26-Aug-15	26-Aug-15	AC
459	Tennessee Zone 4 Receipt	3,750	3,750	\$0.9575	Sendout	26-Aug-15	26-Aug-15	AC
460	Tennessee Zone 4 Receipt	5,000	5,000	\$0.9575	Sendout	26-Aug-15	26-Aug-15	AC
461	Tennessee Zone 4 Receipt	4,311	4,311	\$0.9575	Sendout	26-Aug-15	26-Aug-15	AC
462	Transco Zone 6 NonNY	4,568	4,568	\$2.5750	Purchase for Resale	26-Aug-15	26-Aug-15	AC
463	Columbia A06 Pool	3,058	3,058	\$1.1750	Sendout	27-Aug-15	27-Aug-15	AC
464	Tennessee Zone 4 Receipt	14,066	14,066	\$1.0150	Sendout	27-Aug-15	27-Aug-15	AC
465	Transco Zone 6 NonNY	3,000	3,000	\$2.7150	Purchase for Resale	27-Aug-15	27-Aug-15	AC
466	Tennessee Zone 4 Receipt	12,057	12,057	\$0.9100	Sendout	28-Aug-15	28-Aug-15	AC
467	Columbia A06 Pool	13,968	4,656	\$0.9950	Sendout	29-Aug-15	31-Aug-15	AC
468	Tennessee Zone 4 Receipt	6,900	2,300	\$0.8275	Sendout	29-Aug-15	31-Aug-15	AC
469	Tennessee Zone 4 Receipt	17,214	5,738	\$0.8275	Sendout	29-Aug-15	31-Aug-15	AC
470	Transco Zone 6 NonNY	13,704	4,568	\$2.0550	Purchase for Resale	29-Aug-15	31-Aug-15	AC
471	Tennessee Zone 4 Receipt	10,000	10,000	\$0.9875	Sendout	1-Sep-15	1-Sep-15	AC
472	Tennessee Zone 4 Receipt	8,085	8,085	\$0.9875	Sendout	1-Sep-15	1-Sep-15	AC
473	Uniondale Direct Connect	304	304	\$0.9850	Purchase for Resale	1-Sep-15	1-Sep-15	AC
474	Columbia A06 Pool	360,000	12,000	\$1.9380	Sendout	1-Sep-15	30-Sep-15	AC
475	Columbia Tco Leach	62,460	2,082	\$2.5600	Sendout	1-Sep-15	30-Sep-15	AC
476	Columbia Tco Pool	3,060	102	\$2.5675	Sendout	1-Sep-15	30-Sep-15	AC
477	Tennessee Zone 4 Delivered	30	1	\$2.7620	Sendout	1-Sep-15	30-Sep-15	AC
478	Tennessee Zone 4 Receipt	14,820	494	\$0.8550	Sendout	1-Sep-15	30-Sep-15	AC
479	Tennessee Zone 4 Receipt	68,790	2,293	\$0.8880	Sendout	1-Sep-15	30-Sep-15	AC
480	Transco Zone 4	11,978	399	\$2.6344	Storage	1-Sep-15	30-Sep-15	AC
481	Transco Zone 6 NonNY	414,510	13,817	\$2.2700	Purchase for Resale/Sendout	1-Sep-15	30-Sep-15	AC
482	Transco Zone 6 NonNY	53,622	1,787	\$2.7024	Sendout	1-Sep-15	30-Sep-15	AC
483	Transco Zone 6 Receipt	4,518	151	\$1.2117	Sendout	1-Sep-15	30-Sep-15	AC
484	Uniondale Direct Connect	81,000	2,700	\$0.8500	Purchase for Resale	1-Sep-15	30-Sep-15	AC
485	Uniondale Direct Connect	1,102	37	\$1.1509	Sendout	1-Sep-15	30-Sep-15	AC
486	Columbia A06 Pool	1,019	1,019	\$1.4600	Sendout	2-Sep-15	2-Sep-15	AC
487	Tennessee Zone 4 Receipt	8,085	8,085	\$0.9375	Sendout	2-Sep-15	2-Sep-15	AC
488	Transco Zone 6 NonNY	1,000	1,000	\$2.8650	Purchase for Resale	2-Sep-15	2-Sep-15	AC
489	Uniondale Direct Connect	304	304	\$0.9350	Purchase for Resale	2-Sep-15	2-Sep-15	AC
490	Uniondale Direct Connect	304	304	\$1.0450	Purchase for Resale	3-Sep-15	3-Sep-15	AC
491	Tennessee Zone 4 Receipt	9,545	9,545	\$1.0475	Sendout	4-Sep-15	4-Sep-15	AC
492	Uniondale Direct Connect	304	304	\$1.0350	Purchase for Resale	4-Sep-15	4-Sep-15	AC
493	Tennessee Zone 4 Receipt	8,400	2,100	\$1.0625	Sendout	5-Sep-15	8-Sep-15	AC
494	Tennessee Zone 4 Receipt	11,984	2,996	\$1.0625	Sendout	5-Sep-15	8-Sep-15	AC
495	Uniondale Direct Connect	1,216	304	\$1.0300	Purchase for Resale	5-Sep-15	8-Sep-15	AC
496	Columbia A06 Pool	1,529	1,529	\$1.5000	Sendout	9-Sep-15	9-Sep-15	AC
497	Tennessee Zone 4 Receipt	2,500	2,500	\$1.2775	Sendout	9-Sep-15	9-Sep-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
498	Tennessee Zone 4 Receipt	7,876	7,876	\$1.2775	Sendout	9-Sep-15	9-Sep-15	AC
499	Tennessee Zone 4 Receipt	2,500	2,500	\$1.2775	Sendout	9-Sep-15	9-Sep-15	AC
500	Tennessee Zone 4 Receipt	3,200	3,200	\$1.2775	Sendout	9-Sep-15	9-Sep-15	AC
501	Transco Zone 6 NonNY	1,500	1,500	\$2.8350	Purchase for Resale	9-Sep-15	9-Sep-15	AC
502	Uniondale Direct Connect	62	62	\$1.2450	Purchase for Resale	9-Sep-15	9-Sep-15	AC
503	Columbia A06 Pool	1,529	1,529	\$1.4150	Sendout	10-Sep-15	10-Sep-15	AC
504	Tennessee Zone 4 Receipt	8,200	8,200	\$1.1650	Sendout	10-Sep-15	10-Sep-15	AC
505	Tennessee Zone 4 Receipt	7,876	7,876	\$1.1650	Sendout	10-Sep-15	10-Sep-15	AC
506	Transco Zone 6 NonNY	1,500	1,500	\$2.5350	Purchase for Resale	10-Sep-15	10-Sep-15	AC
507	Tennessee Zone 4 Receipt	10,047	10,047	\$1.0850	Sendout	11-Sep-15	11-Sep-15	AC
508	Uniondale Direct Connect	23	23	\$1.0750	Purchase for Resale	11-Sep-15	11-Sep-15	AC
509	Tennessee Zone 4 Receipt	24,114	8,038	\$1.1375	Sendout	12-Sep-15	14-Sep-15	AC
510	Uniondale Direct Connect	120	40	\$1.1250	Purchase for Resale	12-Sep-15	14-Sep-15	AC
511	Tennessee Zone 4 Receipt	1,568	1,568	\$1.2600	Sendout	15-Sep-15	15-Sep-15	AC
512	Tennessee Zone 4 Receipt	13,000	13,000	\$1.2600	Sendout	15-Sep-15	15-Sep-15	AC
513	Uniondale Direct Connect	70	70	\$1.2400	Purchase for Resale	15-Sep-15	15-Sep-15	AC
514	Tennessee Zone 4 Receipt	10,000	10,000	\$1.2800	Sendout	16-Sep-15	16-Sep-15	AC
515	Tennessee Zone 4 Receipt	2,057	2,057	\$1.2800	Sendout	16-Sep-15	16-Sep-15	AC
516	Uniondale Direct Connect	70	70	\$1.2400	Purchase for Resale	16-Sep-15	16-Sep-15	AC
517	Tennessee Zone 4 Receipt	6,200	6,200	\$1.2600	Sendout	17-Sep-15	17-Sep-15	AC
518	Tennessee Zone 4 Receipt	7,866	7,866	\$1.2600	Sendout	17-Sep-15	17-Sep-15	AC
519	Uniondale Direct Connect	227	227	\$1.2400	Purchase for Resale	17-Sep-15	17-Sep-15	AC
520	Tennessee Zone 4 Receipt	10,047	10,047	\$1.2750	Sendout	18-Sep-15	18-Sep-15	AC
521	Uniondale Direct Connect	227	227	\$1.2600	Purchase for Resale	18-Sep-15	18-Sep-15	AC
522	Tennessee Zone 4 Receipt	24,114	8,038	\$1.0450	Sendout	19-Sep-15	21-Sep-15	AC
523	Uniondale Direct Connect	570	190	\$1.0450	Purchase for Resale	19-Sep-15	21-Sep-15	AC
524	Tennessee Zone 4 Receipt	5,000	5,000	\$1.1700	Sendout	22-Sep-15	22-Sep-15	AC
525	Tennessee Zone 4 Receipt	5,571	5,571	\$1.1700	Sendout	22-Sep-15	22-Sep-15	AC
526	Tennessee Zone 4 Receipt	4,500	4,500	\$1.1700	Sendout	22-Sep-15	22-Sep-15	AC
527	Uniondale Direct Connect	224	224	\$1.1400	Purchase for Resale	22-Sep-15	22-Sep-15	AC
528	Columbia A06 Pool	4,704	4,704	\$1.2950	Sendout	23-Sep-15	23-Sep-15	AC
529	Tennessee Zone 4 Receipt	9,200	9,200	\$1.0800	Sendout	23-Sep-15	23-Sep-15	AC
530	Tennessee Zone 4 Receipt	8,885	8,885	\$1.0800	Sendout	23-Sep-15	23-Sep-15	AC
531	Transco Zone 6 NonNY	4,615	4,615	\$2.3650	Purchase for Resale	23-Sep-15	23-Sep-15	AC
532	Uniondale Direct Connect	410	410	\$1.0500	Purchase for Resale	23-Sep-15	23-Sep-15	AC
533	Columbia A06 Pool	4,704	4,704	\$1.2750	Sendout	24-Sep-15	24-Sep-15	AC
534	Tennessee Zone 4 Receipt	8,700	8,700	\$1.1000	Sendout	24-Sep-15	24-Sep-15	AC
535	Tennessee Zone 4 Receipt	7,878	7,878	\$1.1000	Sendout	24-Sep-15	24-Sep-15	AC
536	Transco Zone 6 NonNY	4,615	4,615	\$2.3050	Purchase for Resale	24-Sep-15	24-Sep-15	AC
537	Uniondale Direct Connect	424	424	\$1.0750	Purchase for Resale	24-Sep-15	24-Sep-15	AC
538	Columbia A06 Pool	4,704	4,704	\$1.2150	Sendout	25-Sep-15	25-Sep-15	AC
539	Tennessee Zone 4 Receipt	6,200	6,200	\$1.0925	Sendout	25-Sep-15	25-Sep-15	AC
540	Tennessee Zone 4 Receipt	7,866	7,866	\$1.0925	Sendout	25-Sep-15	25-Sep-15	AC
541	Transco Zone 6 NonNY	4,615	4,615	\$2.2250	Purchase for Resale	25-Sep-15	25-Sep-15	AC
542	Uniondale Direct Connect	368	368	\$1.0750	Purchase for Resale	25-Sep-15	25-Sep-15	AC
543	Tennessee Zone 4 Receipt	31,650	10,550	\$0.9800	Sendout	26-Sep-15	28-Sep-15	AC
544	Uniondale Direct Connect	840	280	\$0.9650	Purchase for Resale	26-Sep-15	28-Sep-15	AC
545	Columbia A06 Pool	1,529	1,529	\$1.2000	Sendout	29-Sep-15	29-Sep-15	AC
546	Tennessee Zone 4 Receipt	1,800	1,800	\$1.0925	Sendout	29-Sep-15	29-Sep-15	AC
547	Tennessee Zone 4 Receipt	7,881	7,881	\$1.0925	Sendout	29-Sep-15	29-Sep-15	AC
548	Tennessee Zone 4 Receipt	7,400	7,400	\$1.0925	Sendout	29-Sep-15	29-Sep-15	AC
549	Transco Zone 6 NonNY	1,500	1,500	\$2.0650	Purchase for Resale	29-Sep-15	29-Sep-15	AC
550	Uniondale Direct Connect	424	424	\$1.0650	Purchase for Resale	29-Sep-15	29-Sep-15	AC
551	Columbia A06 Pool	2,038	2,038	\$1.2400	Sendout	30-Sep-15	30-Sep-15	AC
552	Tennessee Zone 4 Receipt	7,883	7,883	\$1.1175	Sendout	30-Sep-15	30-Sep-15	AC
553	Tennessee Zone 4 Receipt	4,000	4,000	\$1.1175	Sendout	30-Sep-15	30-Sep-15	AC
554	Tennessee Zone 4 Receipt	1,000	1,000	\$1.1175	Sendout	30-Sep-15	30-Sep-15	AC
555	Tennessee Zone 4 Receipt	4,200	4,200	\$1.1175	Sendout	30-Sep-15	30-Sep-15	AC
556	Tennessee Zone 4 Receipt	500	500	\$1.1175	Sendout	30-Sep-15	30-Sep-15	AC
557	Transco Zone 6 NonNY	2,000	2,000	\$2.0150	Purchase for Resale	30-Sep-15	30-Sep-15	AC
558	Uniondale Direct Connect	242	242	\$1.0850	Purchase for Resale	30-Sep-15	30-Sep-15	AC
559	Tennessee Zone 4 Receipt	2,988	2,988	\$0.8425	Sendout	1-Oct-15	1-Oct-15	AC
560	Tennessee Zone 4 Receipt	6,700	6,700	\$0.8425	Sendout	1-Oct-15	1-Oct-15	AC
561	Tennessee Zone 4 Receipt	9,065	9,065	\$0.8425	Sendout	1-Oct-15	1-Oct-15	AC
562	Tennessee Zone 4 Receipt	6,365	6,365	\$0.8425	Sendout	1-Oct-15	1-Oct-15	AC
563	Columbia A06 Pool	371,981	11,999	\$1.8630	Sendout	1-Oct-15	31-Oct-15	AC
564	Columbia Tco Leach	64,549	2,082	\$2.3900	Sendout	1-Oct-15	31-Oct-15	AC
565	Columbia Tco Pool	930	30	\$2.3900	Sendout	1-Oct-15	31-Oct-15	AC
566	Tennessee Zone 4 Delivered	68	2	\$2.6010	Sendout	1-Oct-15	31-Oct-15	AC
567	Tennessee Zone 4 Receipt	12,400	400	\$0.9700	Sendout	1-Oct-15	31-Oct-15	AC
568	Tennessee Zone 4 Receipt	8,520	275	\$0.9700	Sendout	1-Oct-15	31-Oct-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
569	Tennessee Zone 4 Receipt	43,400	1,400	\$0.9700	Sendout	1-Oct-15	31-Oct-15	AC
570	Tennessee Zone 4 Receipt	284	9	\$0.9700	Sendout	1-Oct-15	31-Oct-15	AC
571	Tennessee Zone 4 Receipt	71,083	2,293	\$0.8130	Sendout	1-Oct-15	31-Oct-15	AC
572	Transco Zone 4	11,978	386	\$2.5594	Storage	1-Oct-15	31-Oct-15	AC
573	Transco Zone 6 NonNY	428,308	13,816	\$2.2700	Purchase for Resale	1-Oct-15	31-Oct-15	AC
574	Transco Zone 6 NonNY	238,079	7,680	\$2.4044	Sendout	1-Oct-15	31-Oct-15	AC
575	Transco Zone 6 Receipt	10,542	340	\$1.0883	Sendout	1-Oct-15	31-Oct-15	AC
576	Uniondale Direct Connect	124,000	4,000	\$0.9600	Purchase for Resale	1-Oct-15	31-Oct-15	AC
577	Uniondale Direct Connect	652	21	\$1.1520	Sendout	1-Oct-15	31-Oct-15	AC
578	Tennessee Zone 4 Receipt	5,000	5,000	\$0.7100	Sendout	2-Oct-15	2-Oct-15	AC
579	Tennessee Zone 4 Receipt	7,071	7,071	\$0.7100	Sendout	2-Oct-15	2-Oct-15	AC
580	Tennessee Zone 4 Receipt	3,000	3,000	\$0.7100	Sendout	2-Oct-15	2-Oct-15	AC
581	Tennessee Zone 4 Receipt	7,800	2,600	\$0.7000	Sendout	3-Oct-15	5-Oct-15	AC
582	Tennessee Zone 4 Receipt	8,967	2,989	\$0.7000	Sendout	3-Oct-15	5-Oct-15	AC
583	Tennessee Zone 4 Receipt	9,195	3,065	\$0.7000	Sendout	3-Oct-15	5-Oct-15	AC
584	Tennessee Zone 4 Receipt	15,000	5,000	\$0.7000	Sendout	3-Oct-15	5-Oct-15	AC
585	Tennessee Zone 4 Receipt	5,793	1,931	\$0.7000	Sendout	3-Oct-15	5-Oct-15	AC
586	Tennessee Zone 4 Receipt	7,500	2,500	\$0.6750	Sendout	3-Oct-15	5-Oct-15	AC
587	Tennessee Zone 4 Receipt	2,989	2,989	\$0.8725	Sendout	6-Oct-15	6-Oct-15	AC
588	Tennessee Zone 4 Receipt	1,100	1,100	\$0.8725	Sendout	6-Oct-15	6-Oct-15	AC
589	Tennessee Zone 4 Receipt	3,900	3,900	\$0.8725	Sendout	6-Oct-15	6-Oct-15	AC
590	Tennessee Zone 4 Receipt	9,594	9,594	\$0.8725	Sendout	6-Oct-15	6-Oct-15	AC
591	Columbia A06 Pool	4,776	4,776	\$1.0550	Sendout	7-Oct-15	7-Oct-15	AC
592	Tennessee Zone 4 Receipt	2,209	2,209	\$0.8600	Sendout	7-Oct-15	7-Oct-15	AC
593	Tennessee Zone 4 Receipt	2,500	2,500	\$0.8600	Sendout	7-Oct-15	7-Oct-15	AC
594	Tennessee Zone 4 Receipt	2,500	2,500	\$0.8600	Sendout	7-Oct-15	7-Oct-15	AC
595	Tennessee Zone 4 Receipt	8,400	8,400	\$0.8600	Sendout	7-Oct-15	7-Oct-15	AC
596	Tennessee Zone 4 Receipt	7,500	7,500	\$0.8500	Sendout	7-Oct-15	7-Oct-15	AC
597	Transco Zone 6 NonNY	4,686	4,686	\$2.4050	Purchase for Resale	7-Oct-15	7-Oct-15	AC
598	Tennessee Zone 4 Receipt	2,489	2,489	\$0.8150	Sendout	8-Oct-15	8-Oct-15	AC
599	Tennessee Zone 4 Receipt	3,565	3,565	\$0.8150	Sendout	8-Oct-15	8-Oct-15	AC
600	Tennessee Zone 4 Receipt	1,100	1,100	\$0.8150	Sendout	8-Oct-15	8-Oct-15	AC
601	Tennessee Zone 4 Receipt	7,145	7,145	\$0.8150	Sendout	8-Oct-15	8-Oct-15	AC
602	Tennessee Zone 4 Receipt	1,700	1,700	\$0.8150	Sendout	8-Oct-15	8-Oct-15	AC
603	Tennessee Zone 4 Receipt	2,600	2,600	\$0.8150	Sendout	8-Oct-15	8-Oct-15	AC
604	Tennessee Zone 4 Receipt	2,500	2,500	\$0.8100	Sendout	8-Oct-15	8-Oct-15	AC
605	Tennessee Zone 4 Receipt	2,489	2,489	\$0.7850	Sendout	9-Oct-15	9-Oct-15	AC
606	Tennessee Zone 4 Receipt	3,565	3,565	\$0.7850	Sendout	9-Oct-15	9-Oct-15	AC
607	Tennessee Zone 4 Receipt	5,000	5,000	\$0.7850	Sendout	9-Oct-15	9-Oct-15	AC
608	Tennessee Zone 4 Receipt	929	929	\$0.7850	Sendout	9-Oct-15	9-Oct-15	AC
609	Tennessee Zone 4 Receipt	600	600	\$0.7850	Sendout	9-Oct-15	9-Oct-15	AC
610	Tennessee Zone 4 Receipt	5,000	5,000	\$0.7800	Sendout	9-Oct-15	9-Oct-15	AC
611	Columbia A06 Pool	14,328	4,776	\$0.7600	Sendout	10-Oct-15	12-Oct-15	AC
612	Tennessee Zone 4 Receipt	11,700	3,900	\$0.7100	Sendout	10-Oct-15	12-Oct-15	AC
613	Tennessee Zone 4 Receipt	8,967	2,989	\$0.7100	Sendout	10-Oct-15	12-Oct-15	AC
614	Tennessee Zone 4 Receipt	8,109	2,703	\$0.7100	Sendout	10-Oct-15	12-Oct-15	AC
615	Tennessee Zone 4 Receipt	30,000	10,000	\$0.7100	Sendout	10-Oct-15	12-Oct-15	AC
616	Transco Zone 6 NonNY	14,058	4,686	\$2.1100	Purchase for Resale	10-Oct-15	12-Oct-15	AC
617	Tennessee Zone 4 Receipt	2,937	2,937	\$0.8350	Sendout	13-Oct-15	13-Oct-15	AC
618	Tennessee Zone 4 Receipt	3,065	3,065	\$0.8350	Sendout	13-Oct-15	13-Oct-15	AC
619	Tennessee Zone 4 Receipt	5,200	5,200	\$0.8350	Sendout	13-Oct-15	13-Oct-15	AC
620	Tennessee Zone 4 Receipt	7,500	7,500	\$0.8350	Sendout	13-Oct-15	13-Oct-15	AC
621	Tennessee Zone 4 Receipt	1,800	1,800	\$0.8350	Sendout	13-Oct-15	13-Oct-15	AC
622	Tennessee Zone 4 Receipt	1,100	1,100	\$0.8350	Sendout	13-Oct-15	13-Oct-15	AC
623	Columbia A06 Pool	4,776	4,776	\$1.0750	Sendout	14-Oct-15	14-Oct-15	AC
624	Tennessee Zone 4 Receipt	8,904	8,904	\$0.9625	Sendout	14-Oct-15	14-Oct-15	AC
625	Tennessee Zone 4 Receipt	2,615	2,615	\$0.9625	Sendout	14-Oct-15	14-Oct-15	AC
626	Tennessee Zone 4 Receipt	2,989	2,989	\$0.9625	Sendout	14-Oct-15	14-Oct-15	AC
627	Tennessee Zone 4 Receipt	5,000	5,000	\$0.9625	Sendout	14-Oct-15	14-Oct-15	AC
628	Tennessee Zone 4 Receipt	2,000	2,000	\$0.9625	Sendout	14-Oct-15	14-Oct-15	AC
629	Tennessee Zone 4 Receipt	3,065	3,065	\$0.9625	Sendout	14-Oct-15	14-Oct-15	AC
630	Tennessee Zone 4 Receipt	85	85	\$0.9625	Sendout	14-Oct-15	14-Oct-15	AC
631	Tennessee Zone 4 Receipt	2,500	2,500	\$0.9625	Sendout	14-Oct-15	14-Oct-15	AC
632	Tennessee Zone 4 Receipt	1,100	1,100	\$0.9625	Sendout	14-Oct-15	14-Oct-15	AC
633	Tennessee Zone 4 Receipt	377	377	\$0.9625	Sendout	14-Oct-15	14-Oct-15	AC
634	Transco Zone 6 NonNY	4,686	4,686	\$2.4400	Purchase for Resale	14-Oct-15	14-Oct-15	AC
635	Columbia A06 Pool	4,776	4,776	\$1.1450	Sendout	15-Oct-15	15-Oct-15	AC
636	Tennessee Zone 4 Receipt	3,973	3,973	\$0.9250	Sendout	15-Oct-15	15-Oct-15	AC
637	Tennessee Zone 4 Receipt	1,100	1,100	\$0.9250	Sendout	15-Oct-15	15-Oct-15	AC
638	Tennessee Zone 4 Receipt	22,054	22,054	\$0.9250	Sendout	15-Oct-15	15-Oct-15	AC
639	Transco Zone 6 NonNY	4,686	4,686	\$2.4000	Purchase for Resale	15-Oct-15	15-Oct-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
640	Columbia A06 Pool	4,776	4,776	\$1.4200	Sendout	16-Oct-15	16-Oct-15	AC
641	Tennessee Zone 4 Receipt	7,486	7,486	\$1.1375	Sendout	16-Oct-15	16-Oct-15	AC
642	Tennessee Zone 4 Receipt	1,700	1,700	\$1.1375	Sendout	16-Oct-15	16-Oct-15	AC
643	Tennessee Zone 4 Receipt	7,789	7,789	\$1.1375	Sendout	16-Oct-15	16-Oct-15	AC
644	Tennessee Zone 4 Receipt	3,500	3,500	\$1.1375	Sendout	16-Oct-15	16-Oct-15	AC
645	Tennessee Zone 4 Receipt	5,600	5,600	\$1.1375	Sendout	16-Oct-15	16-Oct-15	AC
646	Tennessee Zone 4 Receipt	2,500	2,500	\$1.1375	Sendout	16-Oct-15	16-Oct-15	AC
647	Tennessee Zone 4 Receipt	3,065	3,065	\$1.1375	Sendout	16-Oct-15	16-Oct-15	AC
648	Tennessee Zone 4 Receipt	2,600	2,600	\$1.1375	Sendout	16-Oct-15	16-Oct-15	AC
649	Tennessee Zone 4 Receipt	400	400	\$1.1375	Sendout	16-Oct-15	16-Oct-15	AC
650	Transco Zone 6 NonNY	4,686	4,686	\$2.3650	Purchase for Resale	16-Oct-15	16-Oct-15	AC
651	Columbia Tco Pool	13,634	4,545	\$2.2950	Sendout	17-Oct-15	19-Oct-15	AC
652	Tennessee Zone 4 Receipt	6,000	2,000	\$1.2025	Sendout	17-Oct-15	19-Oct-15	AC
653	Tennessee Zone 4 Receipt	4,500	1,500	\$1.2025	Sendout	17-Oct-15	19-Oct-15	AC
654	Tennessee Zone 4 Receipt	4,500	1,500	\$1.2025	Sendout	17-Oct-15	19-Oct-15	AC
655	Tennessee Zone 4 Receipt	15,000	5,000	\$1.2025	Sendout	17-Oct-15	19-Oct-15	AC
656	Tennessee Zone 4 Receipt	3,195	1,065	\$1.2025	Sendout	17-Oct-15	19-Oct-15	AC
657	Tennessee Zone 4 Receipt	6,000	2,000	\$1.2025	Sendout	17-Oct-15	19-Oct-15	AC
658	Tennessee Zone 4 Receipt	19,722	6,574	\$1.2025	Sendout	17-Oct-15	19-Oct-15	AC
659	Tennessee Zone 4 Receipt	15,000	5,000	\$1.2000	Sendout	17-Oct-15	19-Oct-15	AC
660	Tennessee Zone 4 Receipt	30,000	10,000	\$1.2000	Sendout	17-Oct-15	19-Oct-15	AC
661	Transco Zone 6 NonNY	12,000	4,000	\$2.4350	Purchase for Resale	17-Oct-15	19-Oct-15	AC
662	Columbia Tco Pool	4,776	4,776	\$2.2875	Sendout	20-Oct-15	20-Oct-15	AC
663	Tennessee Zone 4 Receipt	5,000	5,000	\$1.1325	Sendout	20-Oct-15	20-Oct-15	AC
664	Tennessee Zone 4 Receipt	6,039	6,039	\$1.1325	Sendout	20-Oct-15	20-Oct-15	AC
665	Tennessee Zone 4 Receipt	5,000	5,000	\$1.1325	Sendout	20-Oct-15	20-Oct-15	AC
666	Tennessee Zone 4 Receipt	5,000	5,000	\$1.1325	Sendout	20-Oct-15	20-Oct-15	AC
667	Tennessee Zone 4 Receipt	8,600	8,600	\$1.1325	Sendout	20-Oct-15	20-Oct-15	AC
668	Tennessee Zone 4 Receipt	5,000	5,000	\$1.1200	Sendout	20-Oct-15	20-Oct-15	AC
669	Transco Zone 6 NonNY	4,000	4,000	\$2.3400	Purchase for Resale	20-Oct-15	20-Oct-15	AC
670	Columbia Tco Pool	2,038	2,038	\$2.2900	Sendout	21-Oct-15	21-Oct-15	AC
671	Tennessee Zone 4 Receipt	5,000	5,000	\$1.1200	Sendout	21-Oct-15	21-Oct-15	AC
672	Tennessee Zone 4 Receipt	18,109	18,109	\$1.1200	Sendout	21-Oct-15	21-Oct-15	AC
673	Transco Zone 6 NonNY	1,800	1,800	\$2.3100	Purchase for Resale	21-Oct-15	21-Oct-15	AC
674	Uniondale Direct Connect	24	24	\$1.1200	Purchase for Resale	21-Oct-15	21-Oct-15	AC
675	Columbia Tco Pool	4,776	4,776	\$2.2075	Sendout	22-Oct-15	22-Oct-15	AC
676	Tennessee Zone 4 Receipt	5,000	5,000	\$1.1550	Sendout	22-Oct-15	22-Oct-15	AC
677	Tennessee Zone 4 Receipt	20,094	20,094	\$1.1550	Sendout	22-Oct-15	22-Oct-15	AC
678	Transco Zone 6 NonNY	4,616	4,616	\$2.2050	Purchase for Resale	22-Oct-15	22-Oct-15	AC
679	Uniondale Direct Connect	1,408	1,408	\$1.1550	Purchase for Resale	22-Oct-15	22-Oct-15	AC
680	Columbia Tco Pool	4,776	4,776	\$2.2125	Sendout	23-Oct-15	23-Oct-15	AC
681	Tennessee Zone 4 Receipt	3,000	3,000	\$1.2725	Sendout	23-Oct-15	23-Oct-15	AC
682	Tennessee Zone 4 Receipt	3,065	3,065	\$1.2725	Sendout	23-Oct-15	23-Oct-15	AC
683	Tennessee Zone 4 Receipt	675	675	\$1.2725	Sendout	23-Oct-15	23-Oct-15	AC
684	Tennessee Zone 4 Receipt	5,000	5,000	\$1.2700	Sendout	23-Oct-15	23-Oct-15	AC
685	Tennessee Zone 4 Receipt	14,099	14,099	\$1.2700	Sendout	23-Oct-15	23-Oct-15	AC
686	Tennessee Zone 4 Receipt	1,600	1,600	\$1.2700	Sendout	23-Oct-15	23-Oct-15	AC
687	Tennessee Zone 4 Receipt	2,000	2,000	\$1.2700	Sendout	23-Oct-15	23-Oct-15	AC
688	Tennessee Zone 4 Receipt	5,115	5,115	\$1.2700	Sendout	23-Oct-15	23-Oct-15	AC
689	Tennessee Zone 4 Receipt	85	85	\$1.2700	Sendout	23-Oct-15	23-Oct-15	AC
690	Transco Zone 6 NonNY	4,616	4,616	\$2.3650	Purchase for Resale	23-Oct-15	23-Oct-15	AC
691	Uniondale Direct Connect	10,000	10,000	\$1.2700	Purchase for Resale	23-Oct-15	23-Oct-15	AC
692	Columbia Tco Pool	14,328	4,776	\$2.1200	Sendout	24-Oct-15	26-Oct-15	AC
693	Tennessee Zone 4 Receipt	13,500	4,500	\$1.1700	Sendout	24-Oct-15	26-Oct-15	AC
694	Tennessee Zone 4 Receipt	1,500	500	\$1.1700	Sendout	24-Oct-15	26-Oct-15	AC
695	Tennessee Zone 4 Receipt	33,882	11,294	\$1.1700	Sendout	24-Oct-15	26-Oct-15	AC
696	Tennessee Zone 4 Receipt	7,845	2,615	\$1.1700	Sendout	24-Oct-15	26-Oct-15	AC
697	Tennessee Zone 4 Receipt	255	85	\$1.1700	Sendout	24-Oct-15	26-Oct-15	AC
698	Tennessee Zone 4 Receipt	6,000	2,000	\$1.1700	Sendout	24-Oct-15	26-Oct-15	AC
699	Tennessee Zone 4 Receipt	11,400	3,800	\$1.1700	Sendout	24-Oct-15	26-Oct-15	AC
700	Tennessee Zone 4 Receipt	900	300	\$1.1700	Sendout	24-Oct-15	26-Oct-15	AC
701	Transco Zone 6 NonNY	13,449	4,483	\$2.2450	Purchase for Resale	24-Oct-15	26-Oct-15	AC
702	Uniondale Direct Connect	45,000	15,000	\$1.2500	Purchase for Resale	24-Oct-15	26-Oct-15	AC
703	Uniondale Direct Connect	30,000	10,000	\$1.1700	Purchase for Resale	24-Oct-15	26-Oct-15	AC
704	Columbia Tco Pool	4,776	4,776	\$2.0250	Sendout	27-Oct-15	27-Oct-15	AC
705	Tennessee Zone 4 Receipt	5,000	5,000	\$1.2500	Sendout	27-Oct-15	27-Oct-15	AC
706	Tennessee Zone 4 Receipt	1,650	1,650	\$1.2500	Sendout	27-Oct-15	27-Oct-15	AC
707	Tennessee Zone 4 Receipt	6,489	6,489	\$1.2500	Sendout	27-Oct-15	27-Oct-15	AC
708	Tennessee Zone 4 Receipt	1,500	1,500	\$1.2500	Sendout	27-Oct-15	27-Oct-15	AC
709	Tennessee Zone 4 Receipt	15,000	15,000	\$1.2300	Sendout	27-Oct-15	27-Oct-15	AC
710	Tennessee Zone 4 Receipt	5,000	5,000	\$1.2300	Sendout	27-Oct-15	27-Oct-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
711	Uniondale Direct Connect	4,496	4,496	\$1.0500	Purchase for Resale	27-Oct-15	27-Oct-15	AC
712	Uniondale Direct Connect	20,504	20,504	\$1.0500	Purchase for Resale	27-Oct-15	27-Oct-15	AC
713	Columbia Tco Pool	4,776	4,776	\$1.9700	Sendout	28-Oct-15	28-Oct-15	AC
714	Tennessee Zone 4 Receipt	20,000	20,000	\$0.8900	Sendout	28-Oct-15	28-Oct-15	AC
715	Tennessee Zone 4 Receipt	5,000	5,000	\$0.8900	Sendout	28-Oct-15	28-Oct-15	AC
716	Tennessee Zone 4 Receipt	804	804	\$0.8900	Sendout	28-Oct-15	28-Oct-15	AC
717	Tennessee Zone 4 Receipt	1,300	1,300	\$0.8900	Sendout	28-Oct-15	28-Oct-15	AC
718	Transco Zone 6 NonNY	4,496	4,496	\$2.0000	Purchase for Resale	28-Oct-15	28-Oct-15	AC
719	Transco Zone 6 NonNY	3,655	3,655	\$0.8900	Purchase for Resale	28-Oct-15	28-Oct-15	AC
720	Uniondale Direct Connect	21,345	21,345	\$0.8900	Purchase for Resale	28-Oct-15	28-Oct-15	AC
721	Columbia Tco Pool	4,776	4,776	\$1.9950	Sendout	29-Oct-15	29-Oct-15	AC
722	Tennessee Zone 4 Receipt	4,300	4,300	\$1.0650	Sendout	29-Oct-15	29-Oct-15	AC
723	Tennessee Zone 4 Receipt	2,300	2,300	\$1.0650	Sendout	29-Oct-15	29-Oct-15	AC
724	Tennessee Zone 4 Receipt	2,000	2,000	\$1.0650	Sendout	29-Oct-15	29-Oct-15	AC
725	Tennessee Zone 4 Receipt	10,474	10,474	\$1.0650	Sendout	29-Oct-15	29-Oct-15	AC
726	Tennessee Zone 4 Receipt	3,065	3,065	\$1.0650	Sendout	29-Oct-15	29-Oct-15	AC
727	Tennessee Zone 4 Receipt	1,500	1,500	\$1.0650	Sendout	29-Oct-15	29-Oct-15	AC
728	Tennessee Zone 4 Receipt	1,000	1,000	\$1.0650	Sendout	29-Oct-15	29-Oct-15	AC
729	Tennessee Zone 4 Receipt	5,000	5,000	\$1.0450	Sendout	29-Oct-15	29-Oct-15	AC
730	Tennessee Zone 4 Receipt	5,000	5,000	\$1.0350	Sendout	29-Oct-15	29-Oct-15	AC
731	Transco Zone 6 NonNY	605	605	\$1.0350	Purchase for Resale	29-Oct-15	29-Oct-15	AC
732	Uniondale Direct Connect	4,496	4,496	\$1.0350	Purchase for Resale	29-Oct-15	29-Oct-15	AC
733	Uniondale Direct Connect	19,899	19,899	\$1.0350	Purchase for Resale	29-Oct-15	29-Oct-15	AC
734	Columbia Tco Pool	9,552	4,776	\$2.0250	Sendout	30-Oct-15	31-Oct-15	AC
735	Tennessee Zone 4 Receipt	5,148	2,574	\$1.0100	Sendout	30-Oct-15	31-Oct-15	AC
736	Tennessee Zone 4 Receipt	6,130	3,065	\$1.0100	Sendout	30-Oct-15	31-Oct-15	AC
737	Tennessee Zone 4 Receipt	7,500	3,750	\$1.0100	Sendout	30-Oct-15	31-Oct-15	AC
738	Tennessee Zone 4 Receipt	500	250	\$1.0100	Sendout	30-Oct-15	31-Oct-15	AC
739	Tennessee Zone 4 Receipt	40,000	20,000	\$1.0000	Sendout	30-Oct-15	31-Oct-15	AC
740	Tennessee Zone 4 Receipt	10,000	5,000	\$1.0000	Sendout	30-Oct-15	31-Oct-15	AC
741	Transco Zone 6 NonNY	8,992	4,496	\$2.0450	Purchase for Resale	30-Oct-15	31-Oct-15	AC
742	Uniondale Direct Connect	36,192	18,096	\$1.0000	Purchase for Resale	30-Oct-15	31-Oct-15	AC
743	Transco Zone 6 NonNY	3,808	3,808	\$2.0450	Purchase for Resale	31-Oct-15	31-Oct-15	AC
744	Tennessee Zone 4 Delivered	113	4	\$2.2980	Sendout	1-Nov-15	30-Nov-15	AC
745	Transco Zone 6 NonNY	123,000	4,100	\$0.9050	Sendout	1-Nov-15	30-Nov-15	AC
746	Transco Zone 6 NonNY	127,590	4,253	\$0.8600	Sendout	1-Nov-15	30-Nov-15	AC
747	Transco Zone 6 NonNY	115,583	3,853	\$2.2160	Sendout	1-Nov-15	30-Nov-15	AC
748	Transco Zone 6 NonNY	144,131	4,804	\$1.3535	Sendout	1-Nov-15	30-Nov-15	AC
749	Transco Zone 6 Receipt	3,012	100	\$1.3942	Sendout	1-Nov-15	30-Nov-15	AC
750	Uniondale Direct Connect	274,470	9,149	\$0.7980	Sendout	1-Nov-15	30-Nov-15	AC
751	Uniondale Direct Connect	315,394	10,513	\$1.1520	Sendout	1-Nov-15	30-Nov-15	AC
752	Uniondale Direct Connect	46,980	1,566	\$1.2953	Purchase for Resale/Sendout	1-Nov-15	30-Nov-15	AC
753	Uniondale Direct Connect	150,000	5,000	\$0.9050	Sendout	1-Nov-15	30-Nov-15	AC
754	Tennessee Zone 4 Receipt	3,000	3,000	\$1.0100	Sendout	12-Nov-15	12-Nov-15	AC
755	Tennessee Zone 4 Receipt	14	14	\$1.0100	Sendout	12-Nov-15	12-Nov-15	AC
756	Tennessee Zone 4 Receipt	5,024	5,024	\$1.0375	Sendout	13-Nov-15	13-Nov-15	AC
757	Tennessee Zone 4 Receipt	13,500	4,500	\$1.0300	Sendout	14-Nov-15	16-Nov-15	AC
758	Tennessee Zone 4 Receipt	63	21	\$1.0300	Sendout	14-Nov-15	16-Nov-15	AC
759	Tennessee Zone 4 Receipt	13,563	4,521	\$1.0300	Sendout	14-Nov-15	16-Nov-15	AC
760	Columbia A06 Pool	612	612	\$1.2950	Sendout	17-Nov-15	17-Nov-15	AC
761	Tennessee Zone 4 Receipt	14,066	14,066	\$1.2150	Sendout	17-Nov-15	17-Nov-15	AC
762	Columbia A06 Pool	642	642	\$1.4000	Sendout	18-Nov-15	18-Nov-15	AC
763	Tennessee Zone 4 Receipt	5,024	5,024	\$1.2000	Sendout	18-Nov-15	18-Nov-15	AC
764	Tennessee Zone 4 Receipt	5,024	5,024	\$1.2900	Sendout	19-Nov-15	19-Nov-15	AC
765	Columbia A06 Pool	10,192	10,192	\$1.5500	Sendout	20-Nov-15	20-Nov-15	AC
766	Tennessee Zone 4 Receipt	18,085	18,085	\$1.3550	Sendout	20-Nov-15	20-Nov-15	AC
767	Transco Zone 6 NonNY	10,000	10,000	\$2.0800	Purchase for Resale	20-Nov-15	20-Nov-15	AC
768	Tennessee Zone 4 Receipt	40,800	13,600	\$1.3550	Sendout	21-Nov-15	23-Nov-15	AC
769	Tennessee Zone 4 Receipt	72	24	\$1.3550	Sendout	21-Nov-15	23-Nov-15	AC
770	Tennessee Zone 4 Receipt	60,000	20,000	\$1.3525	Sendout	21-Nov-15	23-Nov-15	AC
771	Columbia A06 Pool	5,000	5,000	\$1.6250	Sendout	24-Nov-15	24-Nov-15	AC
772	Columbia A06 Pool	3,500	3,500	\$1.6550	Sendout	24-Nov-15	24-Nov-15	AC
773	Columbia Tco Pool	7,118	7,118	\$2.0600	Sendout	24-Nov-15	24-Nov-15	AC
774	Tennessee Zone 4 Receipt	17,080	17,080	\$1.4300	Sendout	24-Nov-15	24-Nov-15	AC
775	Transco Zone 6 NonNY	15,324	15,324	\$2.2450	Purchase for Resale	24-Nov-15	24-Nov-15	AC
776	Columbia A06 Pool	15,618	15,618	\$1.4950	Sendout	25-Nov-15	25-Nov-15	AC
777	Tennessee Zone 4 Receipt	20,909	20,909	\$1.4000	Sendout	25-Nov-15	25-Nov-15	AC
778	Transco Zone 6 NonNY	15,324	15,324	\$2.0200	Purchase for Resale	25-Nov-15	25-Nov-15	AC
779	Tennessee Zone 4 Receipt	125,590	25,118	\$0.9300	Sendout	26-Nov-15	30-Nov-15	AC
780	Tennessee Zone 4 Receipt	10,047	10,047	\$0.9400	Sendout	1-Dec-15	1-Dec-15	AC
781	Tennessee Zone 4 Delivered	170	5	\$2.1200	Sendout	1-Dec-15	31-Dec-15	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
782	Tennessee Zone 4 Delivered	23,722	765	\$0.8766	Sendout	1-Dec-15	31-Dec-15	AC
783	Transco Zone 6 NonNY	183,083	5,906	\$1.1771	Sendout	1-Dec-15	31-Dec-15	AC
784	Transco Zone 6 NonNY	6,548	211	\$2.0119	Sendout	1-Dec-15	31-Dec-15	AC
785	Transco Zone 6 NonNY	3,334	108	\$1.0946	Sendout	1-Dec-15	31-Dec-15	AC
786	Transco Zone 6 NonNY	20,147	650	\$1.0946	Sendout	1-Dec-15	31-Dec-15	AC
787	Transco Zone 6 NonNY	7,752	250	\$1.0946	Sendout	1-Dec-15	31-Dec-15	AC
788	Transco Zone 6 Receipt	5,020	162	\$1.1770	Sendout	1-Dec-15	31-Dec-15	AC
789	Uniondale Direct Connect	285,200	9,200	\$0.9710	Sendout	1-Dec-15	31-Dec-15	AC
790	Uniondale Direct Connect	282,100	9,100	\$1.0780	Sendout	1-Dec-15	31-Dec-15	AC
791	Uniondale Direct Connect	198,400	6,400	\$0.9960	Sendout	1-Dec-15	31-Dec-15	AC
792	Uniondale Direct Connect	207,011	6,678	\$1.0914	Purchase for Resale/Sendout	1-Dec-15	31-Dec-15	AC
793	Uniondale Direct Connect	29,597	955	\$1.1330	Sendout	1-Dec-15	31-Dec-15	AC
794	Uniondale Direct Connect	52,463	1,692	\$1.1258	Sendout	1-Dec-15	31-Dec-15	AC
795	Uniondale Direct Connect	1,791	58	\$1.1049	Sendout	1-Dec-15	31-Dec-15	AC
796	Tennessee Zone 4 Receipt	5,024	5,024	\$1.1350	Sendout	2-Dec-15	2-Dec-15	AC
797	Columbia Tco Pool	510	510	\$2.1050	Sendout	3-Dec-15	3-Dec-15	AC
798	Tennessee Zone 4 Receipt	18,085	18,085	\$1.2550	Sendout	3-Dec-15	3-Dec-15	AC
799	Uniondale Direct Connect	10,000	10,000	\$1.2550	Purchase for Resale	3-Dec-15	3-Dec-15	AC
800	Columbia Tco Pool	510	510	\$2.0150	Sendout	4-Dec-15	4-Dec-15	AC
801	Tennessee Zone 4 Receipt	19,090	19,090	\$1.2650	Sendout	4-Dec-15	4-Dec-15	AC
802	Uniondale Direct Connect	7,000	7,000	\$1.2650	Purchase for Resale	4-Dec-15	4-Dec-15	AC
803	Columbia Tco Pool	1,836	612	\$1.9775	Sendout	5-Dec-15	7-Dec-15	AC
804	Tennessee Zone 4 Receipt	45,213	15,071	\$1.1850	Sendout	5-Dec-15	7-Dec-15	AC
805	Uniondale Direct Connect	21,000	7,000	\$1.1850	Purchase for Resale	5-Dec-15	7-Dec-15	AC
806	Columbia A06 Pool	15,414	15,414	\$1.3550	Sendout	8-Dec-15	8-Dec-15	AC
807	Columbia Tco Pool	204	204	\$1.9250	Sendout	8-Dec-15	8-Dec-15	AC
808	Tennessee Zone 4 Receipt	23,109	23,109	\$1.3100	Sendout	8-Dec-15	8-Dec-15	AC
809	Transco Zone 6 NonNY	15,124	15,124	\$2.0550	Purchase for Resale	8-Dec-15	8-Dec-15	AC
810	Columbia A06 Pool	5,618	5,618	\$1.2250	Sendout	9-Dec-15	9-Dec-15	AC
811	Columbia A06 Pool	10,000	10,000	\$1.2250	Sendout	9-Dec-15	9-Dec-15	AC
812	Tennessee Zone 4 Receipt	23,109	23,109	\$1.1000	Sendout	9-Dec-15	9-Dec-15	AC
813	Transco Zone 6 NonNY	14,874	14,874	\$1.9750	Purchase for Resale	9-Dec-15	9-Dec-15	AC
814	Uniondale Direct Connect	5,000	5,000	\$1.1000	Purchase for Resale	9-Dec-15	9-Dec-15	AC
815	Columbia A06 Pool	459	459	\$1.1400	Sendout	10-Dec-15	10-Dec-15	AC
816	Columbia A06 Pool	459	459	\$1.0300	Sendout	11-Dec-15	11-Dec-15	AC
817	Columbia A06 Pool	1,224	408	\$0.7400	Sendout	12-Dec-15	14-Dec-15	AC
818	Columbia A06 Pool	408	408	\$1.0500	Sendout	15-Dec-15	15-Dec-15	AC
819	Tennessee Zone 4 Receipt	24	24	\$1.0500	Sendout	15-Dec-15	15-Dec-15	AC
820	Tennessee Zone 4 Receipt	5,000	5,000	\$1.0500	Sendout	15-Dec-15	15-Dec-15	AC
821	Columbia A06 Pool	357	357	\$1.0900	Sendout	16-Dec-15	16-Dec-15	AC
822	Columbia A06 Pool	408	408	\$1.0950	Sendout	17-Dec-15	17-Dec-15	AC
823	Columbia Tco Pool	408	408	\$1.6300	Sendout	18-Dec-15	18-Dec-15	AC
824	Tennessee Zone 4 Receipt	4,000	4,000	\$1.0500	Sendout	18-Dec-15	18-Dec-15	AC
825	Tennessee Zone 4 Receipt	2,600	2,600	\$1.0500	Sendout	18-Dec-15	18-Dec-15	AC
826	Tennessee Zone 4 Receipt	18	18	\$1.0500	Sendout	18-Dec-15	18-Dec-15	AC
827	Tennessee Zone 4 Receipt	6,000	6,000	\$1.0525	Sendout	18-Dec-15	18-Dec-15	AC
828	Tennessee Zone 4 Receipt	2,500	2,500	\$1.0550	Sendout	18-Dec-15	18-Dec-15	AC
829	Tennessee Zone 4 Receipt	10,000	10,000	\$1.0550	Sendout	18-Dec-15	18-Dec-15	AC
830	Columbia A06 Pool	1,224	408	\$1.0400	Sendout	19-Dec-15	21-Dec-15	AC
831	Tennessee Zone 4 Receipt	87,411	29,137	\$0.8375	Sendout	19-Dec-15	21-Dec-15	AC
832	Columbia A06 Pool	5,000	5,000	\$0.7950	Sendout	22-Dec-15	22-Dec-15	AC
833	Columbia A06 Pool	6,721	6,721	\$0.7950	Sendout	22-Dec-15	22-Dec-15	AC
834	Tennessee Zone 4 Receipt	9,042	9,042	\$0.8375	Sendout	22-Dec-15	22-Dec-15	AC
835	Transco Zone 6 NonNY	11,100	11,100	\$1.5300	Purchase for Resale	22-Dec-15	22-Dec-15	AC
836	Columbia A06 Pool	459	459	\$0.6650	Sendout	23-Dec-15	23-Dec-15	AC
837	Columbia A06 Pool	459	459	\$0.7550	Sendout	24-Dec-15	24-Dec-15	AC
838	Columbia A06 Pool	1,632	408	\$0.7100	Sendout	25-Dec-15	28-Dec-15	AC
839	Columbia A06 Pool	408	408	\$1.1450	Sendout	29-Dec-15	29-Dec-15	AC
840	Tennessee Zone 4 Receipt	16,075	16,075	\$1.0250	Sendout	29-Dec-15	29-Dec-15	AC
841	Columbia A06 Pool	3,300	3,300	\$1.2400	Sendout	30-Dec-15	30-Dec-15	AC
842	Columbia A06 Pool	12,318	12,318	\$1.2450	Sendout	30-Dec-15	30-Dec-15	AC
843	Tennessee Zone 4 Delivered	9,666	9,666	\$2.0500	Purchase for Resale	30-Dec-15	30-Dec-15	AC
844	Tennessee Zone 4 Receipt	16,076	16,076	\$0.9725	Sendout	30-Dec-15	30-Dec-15	AC
845	Uniondale Direct Connect	5,258	5,258	\$2.0500	Purchase for Resale	30-Dec-15	30-Dec-15	AC
846	Columbia A06 Pool	15,619	15,619	\$1.3050	Sendout	31-Dec-15	31-Dec-15	AC
847	Tennessee Zone 4 Receipt	20,094	20,094	\$1.0950	Sendout	31-Dec-15	31-Dec-15	AC
848	Uniondale Direct Connect	15,324	15,324	\$1.9500	Purchase for Resale	31-Dec-15	31-Dec-15	AC
849	Columbia A06 Pool	62,472	15,618	\$1.5100	Sendout	1-Jan-16	4-Jan-16	AC
850	Tennessee Zone 4 Receipt	40,000	10,000	\$1.1750	Sendout	1-Jan-16	4-Jan-16	AC
851	Tennessee Zone 4 Receipt	52,000	13,000	\$1.1700	Sendout	1-Jan-16	4-Jan-16	AC
852	Tennessee Zone 4 Receipt	12,000	3,000	\$1.2000	Sendout	1-Jan-16	4-Jan-16	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
853	Tennessee Zone 4 Receipt	28,000	7,000	\$1.2000	Sendout	1-Jan-16	4-Jan-16	AC
854	Uniondale Direct Connect	61,296	15,324	\$2.2000	Purchase for Resale	1-Jan-16	4-Jan-16	AC
855	Tennessee Zone 4 Delivered	276	9	\$2.2890	Sendout	1-Jan-16	31-Jan-16	AC
856	Tennessee Zone 4 Receipt	37,510	1,210	\$1.1000	Sendout	1-Jan-16	31-Jan-16	AC
857	Transco Zone 6 NonNY	1	0	\$0.8100	Sendout	1-Jan-16	31-Jan-16	AC
858	Transco Zone 6 NonNY	16	1	\$0.8100	Sendout	1-Jan-16	31-Jan-16	AC
859	Transco Zone 6 NonNY	365,430	11,788	\$2.3867	Purchase for Resale/Storage/Sendout	1-Jan-16	31-Jan-16	AC
860	Transco Zone 6 NonNY	39,183	1,264	\$1.3175	Sendout	1-Jan-16	31-Jan-16	AC
861	Transco Zone 6 NonNY	15,669	505	\$1.3096	Sendout	1-Jan-16	31-Jan-16	AC
862	Transco Zone 6 NonNY	282,100	9,100	\$1.2440	Sendout	1-Jan-16	31-Jan-16	AC
863	Transco Zone 6 NonNY	266,631	8,601	\$1.1990	Sendout	1-Jan-16	31-Jan-16	AC
864	Transco Zone 6 NonNY	225,188	7,264	\$1.4490	Sendout	1-Jan-16	31-Jan-16	AC
865	Transco Zone 6 NonNY	13,680	441	\$1.3096	Sendout	1-Jan-16	31-Jan-16	AC
866	Transco Zone 6 NonNY	83,371	2,689	\$1.1620	Sendout	1-Jan-16	31-Jan-16	AC
867	Transco Zone 6 Receipt	13,554	437	\$1.3313	Storage/Sendout	1-Jan-16	31-Jan-16	AC
868	Uniondale Direct Connect	75,026	2,420	\$1.3718	Sendout	1-Jan-16	31-Jan-16	AC
869	Uniondale Direct Connect	36,561	1,179	\$1.3725	Purchase for Resale/Sendout	1-Jan-16	31-Jan-16	AC
870	Uniondale Direct Connect	285,200	9,200	\$1.1370	Sendout	1-Jan-16	31-Jan-16	AC
871	Uniondale Direct Connect	387,766	12,509	\$1.1620	Sendout	1-Jan-16	31-Jan-16	AC
872	Uniondale Direct Connect	32,010	1,033	\$1.3725	Sendout	1-Jan-16	31-Jan-16	AC
873	Uniondale Direct Connect	1,676	54	\$1.3657	Sendout	1-Jan-16	31-Jan-16	AC
874	Columbia Delivered	200	200	\$1.4103	Sendout	4-Jan-16	4-Jan-16	AC
875	Uniondale Direct Connect	9,500	9,500	\$2.2000	Purchase for Resale	4-Jan-16	4-Jan-16	AC
876	Columbia Tco Pool	15,618	15,618	\$2.2975	Sendout	5-Jan-16	5-Jan-16	AC
877	Tennessee Zone 4 Receipt	5,700	5,700	\$1.3150	Sendout	5-Jan-16	5-Jan-16	AC
878	Tennessee Zone 4 Receipt	9,000	9,000	\$1.3150	Sendout	5-Jan-16	5-Jan-16	AC
879	Tennessee Zone 4 Receipt	2,500	2,500	\$1.3150	Sendout	5-Jan-16	5-Jan-16	AC
880	Tennessee Zone 4 Receipt	12	12	\$1.3150	Sendout	5-Jan-16	5-Jan-16	AC
881	Tennessee Zone 4 Receipt	800	800	\$1.3150	Sendout	5-Jan-16	5-Jan-16	AC
882	Tennessee Zone 4 Receipt	15,000	15,000	\$1.3000	Sendout	5-Jan-16	5-Jan-16	AC
883	Transco Zone 4	5,404	5,404	\$2.4000	Purchase for Resale	5-Jan-16	5-Jan-16	AC
884	Uniondale Direct Connect	15,024	15,024	\$4.1900	Purchase for Resale	5-Jan-16	5-Jan-16	AC
885	Uniondale Direct Connect	9,659	9,659	\$4.1900	Purchase for Resale	5-Jan-16	5-Jan-16	AC
886	Columbia A06 Pool	15,618	15,618	\$1.3650	Sendout	6-Jan-16	6-Jan-16	AC
887	Tennessee Zone 4 Receipt	15,000	15,000	\$1.2900	Sendout	6-Jan-16	6-Jan-16	AC
888	Tennessee Zone 4 Receipt	12,600	12,600	\$1.3000	Sendout	6-Jan-16	6-Jan-16	AC
889	Tennessee Zone 4 Receipt	5,412	5,412	\$1.2700	Sendout	6-Jan-16	6-Jan-16	AC
890	Transco Zone 4	15,478	15,478	\$2.3450	Purchase for Resale	6-Jan-16	6-Jan-16	AC
891	Uniondale Direct Connect	14,824	14,824	\$3.0100	Purchase for Resale	6-Jan-16	6-Jan-16	AC
892	Columbia A06 Pool	10,192	10,192	\$1.4100	Sendout	7-Jan-16	7-Jan-16	AC
893	Tennessee Zone 4 Receipt	20,000	20,000	\$1.3175	Sendout	7-Jan-16	7-Jan-16	AC
894	Tennessee Zone 4 Receipt	13,012	13,012	\$1.3200	Sendout	7-Jan-16	7-Jan-16	AC
895	Uniondale Direct Connect	9,800	9,800	\$2.3350	Purchase for Resale	7-Jan-16	7-Jan-16	AC
896	Columbia A06 Pool	199	199	\$1.5750	Sendout	8-Jan-16	8-Jan-16	AC
897	Tennessee Zone 4 Receipt	15,000	5,000	\$1.2950	Sendout	9-Jan-16	11-Jan-16	AC
898	Tennessee Zone 4 Receipt	9,114	3,038	\$1.2900	Sendout	9-Jan-16	11-Jan-16	AC
899	Tennessee Zone 4 Delivered	100	100	\$1.3531	Sendout	11-Jan-16	11-Jan-16	AC
900	Columbia A06 Pool	4,477	4,477	\$1.6800	Sendout	12-Jan-16	12-Jan-16	AC
901	Columbia Tco Pool	5,716	5,716	\$2.3975	Sendout	12-Jan-16	12-Jan-16	AC
902	Tennessee Zone 4 Delivered	8,618	8,618	\$4.6150	Purchase for Resale	12-Jan-16	12-Jan-16	AC
903	Tennessee Zone 4 Receipt	12,800	12,800	\$1.3850	Sendout	12-Jan-16	12-Jan-16	AC
904	Tennessee Zone 4 Receipt	2,500	2,500	\$1.3850	Sendout	12-Jan-16	12-Jan-16	AC
905	Tennessee Zone 4 Receipt	1,900	1,900	\$1.3850	Sendout	12-Jan-16	12-Jan-16	AC
906	Tennessee Zone 4 Receipt	5,800	5,800	\$1.3850	Sendout	12-Jan-16	12-Jan-16	AC
907	Tennessee Zone 4 Receipt	12	12	\$1.3850	Sendout	12-Jan-16	12-Jan-16	AC
908	Tennessee Zone 4 Receipt	10,000	10,000	\$1.3650	Sendout	12-Jan-16	12-Jan-16	AC
909	Transco Zone 4	10,215	10,215	\$2.4800	Purchase for Resale	12-Jan-16	12-Jan-16	AC
910	Transco Zone 4	5,108	5,108	\$2.4850	Purchase for Resale	12-Jan-16	12-Jan-16	AC
911	Uniondale Direct Connect	1,382	1,382	\$4.6150	Purchase for Resale	12-Jan-16	12-Jan-16	AC
912	Columbia A06 Pool	1,177	1,177	\$1.6450	Sendout	13-Jan-16	13-Jan-16	AC
913	Columbia Tco Pool	9,016	9,016	\$2.2350	Sendout	13-Jan-16	13-Jan-16	AC
914	Columbia Tco Pool	408	408	\$2.2350	Sendout	13-Jan-16	13-Jan-16	AC
915	Tennessee Zone 4 Receipt	15,000	15,000	\$1.1450	Sendout	13-Jan-16	13-Jan-16	AC
916	Tennessee Zone 4 Receipt	4,100	4,100	\$1.1525	Sendout	13-Jan-16	13-Jan-16	AC
917	Tennessee Zone 4 Receipt	3,400	3,400	\$1.1525	Sendout	13-Jan-16	13-Jan-16	AC
918	Tennessee Zone 4 Receipt	10,512	10,512	\$1.1450	Sendout	13-Jan-16	13-Jan-16	AC
919	Transco Zone 4	10,216	10,216	\$2.3850	Purchase for Resale	13-Jan-16	13-Jan-16	AC
920	Uniondale Direct Connect	10,000	10,000	\$5.3800	Purchase for Resale	13-Jan-16	13-Jan-16	AC
921	Columbia A06 Pool	15,618	15,618	\$1.6500	Sendout	14-Jan-16	14-Jan-16	AC
922	Tennessee Zone 4 Receipt	5,000	5,000	\$1.3300	Sendout	14-Jan-16	14-Jan-16	AC
923	Tennessee Zone 4 Receipt	2,500	2,500	\$1.3300	Sendout	14-Jan-16	14-Jan-16	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
924	Tennessee Zone 4 Receipt	15,000	15,000	\$1.3225	Sendout	14-Jan-16	14-Jan-16	AC
925	Tennessee Zone 4 Receipt	5,512	5,512	\$1.2500	Sendout	14-Jan-16	14-Jan-16	AC
926	Tennessee Zone 4 Receipt	5,000	5,000	\$1.3225	Sendout	14-Jan-16	14-Jan-16	AC
927	Uniondale Direct Connect	15,324	15,324	\$2.3950	Purchase for Resale	14-Jan-16	14-Jan-16	AC
928	Tennessee Zone 4 Receipt	15,000	15,000	\$1.3325	Sendout	15-Jan-16	15-Jan-16	AC
929	Tennessee Zone 4 Receipt	5,000	5,000	\$1.3325	Sendout	15-Jan-16	15-Jan-16	AC
930	Tennessee Zone 4 Receipt	7,500	7,500	\$1.3350	Sendout	15-Jan-16	15-Jan-16	AC
931	Tennessee Zone 4 Receipt	5,512	5,512	\$1.3350	Sendout	15-Jan-16	15-Jan-16	AC
932	Columbia A06 Pool	2,240	560	\$1.9650	Sendout	16-Jan-16	19-Jan-16	AC
933	Tennessee Zone 4 Receipt	60,000	15,000	\$1.3350	Sendout	16-Jan-16	19-Jan-16	AC
934	Tennessee Zone 4 Receipt	40,000	10,000	\$1.3350	Sendout	16-Jan-16	19-Jan-16	AC
935	Tennessee Zone 4 Receipt	32,048	8,012	\$1.3375	Sendout	16-Jan-16	19-Jan-16	AC
936	Uniondale Direct Connect	1,692	1,692	\$2.2731	Sendout	18-Jan-16	18-Jan-16	AC
937	Uniondale Direct Connect	9,789	9,789	\$5.0750	Purchase for Resale	18-Jan-16	18-Jan-16	AC
938	Uniondale Direct Connect	9,789	9,789	\$5.0750	Purchase for Resale	19-Jan-16	19-Jan-16	AC
939	Columbia Tco Pool	15,618	15,618	\$2.0650	Sendout	20-Jan-16	20-Jan-16	AC
940	Tennessee Zone 4 Delivered	5,000	5,000	\$3.3900	Purchase for Resale	20-Jan-16	20-Jan-16	AC
941	Tennessee Zone 4 Receipt	15,000	15,000	\$1.3725	Sendout	20-Jan-16	20-Jan-16	AC
942	Tennessee Zone 4 Receipt	18,012	18,012	\$1.3725	Sendout	20-Jan-16	20-Jan-16	AC
943	Uniondale Direct Connect	9,324	9,324	\$3.3900	Purchase for Resale	20-Jan-16	20-Jan-16	AC
944	Columbia Tco Pool	15,618	15,618	\$2.0400	Sendout	21-Jan-16	21-Jan-16	AC
945	Tennessee Zone 4 Receipt	20,000	20,000	\$1.3200	Sendout	21-Jan-16	21-Jan-16	AC
946	Tennessee Zone 4 Receipt	13,012	13,012	\$1.3200	Sendout	21-Jan-16	21-Jan-16	AC
947	Uniondale Direct Connect	14,324	14,324	\$3.1400	Purchase for Resale	21-Jan-16	21-Jan-16	AC
948	Columbia A06 Pool	3,058	3,058	\$1.8350	Sendout	22-Jan-16	22-Jan-16	AC
949	Tennessee Zone 4 Receipt	18,712	18,712	\$1.3500	Sendout	22-Jan-16	22-Jan-16	AC
950	Tennessee Zone 4 Receipt	14,300	14,300	\$1.3500	Sendout	22-Jan-16	22-Jan-16	AC
951	Uniondale Direct Connect	2,000	2,000	\$3.4200	Purchase for Resale	22-Jan-16	22-Jan-16	AC
952	Columbia A06 Pool	45,480	15,160	\$1.8300	Storage/Sendout	23-Jan-16	25-Jan-16	AC
953	Tennessee Zone 4 Receipt	45,000	15,000	\$1.2775	Sendout	23-Jan-16	25-Jan-16	AC
954	Tennessee Zone 4 Receipt	6,027	2,009	\$1.7050	Purchase for Resale	23-Jan-16	25-Jan-16	AC
955	Tennessee Zone 4 Receipt	7,500	2,500	\$1.2800	Sendout	23-Jan-16	25-Jan-16	AC
956	Tennessee Zone 4 Receipt	46,536	15,512	\$1.2800	Sendout	23-Jan-16	25-Jan-16	AC
957	Transco Zone 4	30,642	10,214	\$2.1950	Purchase for Resale	23-Jan-16	25-Jan-16	AC
958	Transco Zone 4	15,324	5,108	\$2.2000	Purchase for Resale	23-Jan-16	25-Jan-16	AC
959	Uniondale Direct Connect	43,500	14,500	\$3.6150	Purchase for Resale	23-Jan-16	25-Jan-16	AC
960	Columbia A06 Pool	15,618	15,618	\$1.7150	Sendout	26-Jan-16	26-Jan-16	AC
961	Tennessee Zone 4 Receipt	17,080	17,080	\$1.3000	Sendout	26-Jan-16	26-Jan-16	AC
962	Uniondale Direct Connect	15,124	15,124	\$2.2350	Purchase for Resale	26-Jan-16	26-Jan-16	AC
963	Columbia A06 Pool	10,192	10,192	\$1.7200	Sendout	27-Jan-16	27-Jan-16	AC
964	Tennessee Zone 4 Receipt	15,000	15,000	\$1.4050	Sendout	27-Jan-16	27-Jan-16	AC
965	Tennessee Zone 4 Receipt	5,212	5,212	\$1.4075	Sendout	27-Jan-16	27-Jan-16	AC
966	Tennessee Zone 4 Receipt	2,800	2,800	\$1.4075	Sendout	27-Jan-16	27-Jan-16	AC
967	Tennessee Zone 4 Receipt	10,000	10,000	\$1.4050	Purchase for Resale	27-Jan-16	27-Jan-16	AC
968	Uniondale Direct Connect	10,000	10,000	\$2.4100	Sendout	27-Jan-16	27-Jan-16	AC
969	Tennessee Zone 4 Receipt	15,000	15,000	\$1.3650	Sendout	28-Jan-16	28-Jan-16	AC
970	Tennessee Zone 4 Receipt	8,109	8,109	\$1.3650	Sendout	28-Jan-16	28-Jan-16	AC
971	Tennessee Zone 4 Receipt	30,141	10,047	\$1.3050	Sendout	29-Jan-16	31-Jan-16	AC
972	Transco Zone 6 NonNY	54,828	1,958	\$2.1306	Purchase for Resale/Sendout	1-Feb-16	28-Feb-16	AC
973	Tennessee Zone 4 Delivered	285	10	\$2.2810	Sendout	1-Feb-16	29-Feb-16	AC
974	Tennessee Zone 4 Delivered	2,276	78	\$1.2878	Sendout	1-Feb-16	29-Feb-16	AC
975	Tennessee Zone 4 Delivered	3,480	120	\$1.1974	Sendout	1-Feb-16	29-Feb-16	AC
976	Tennessee Zone 4 Receipt	380,161	13,109	\$1.1890	Sendout	1-Feb-16	29-Feb-16	AC
977	Transco Zone 6 NonNY	375	13	\$0.8010	Sendout	1-Feb-16	29-Feb-16	AC
978	Transco Zone 6 NonNY	126,210	4,352	\$2.1396	Purchase for Resale/Sendout	1-Feb-16	29-Feb-16	AC
979	Transco Zone 6 NonNY	13,928	480	\$1.3115	Sendout	1-Feb-16	29-Feb-16	AC
980	Transco Zone 6 NonNY	263,900	9,100	\$1.0610	Sendout	1-Feb-16	29-Feb-16	AC
981	Transco Zone 6 NonNY	133,429	4,601	\$1.0163	Sendout	1-Feb-16	29-Feb-16	AC
982	Transco Zone 6 NonNY	122,265	4,216	\$1.3115	Sendout	1-Feb-16	29-Feb-16	AC
983	Transco Zone 6 NonNY	7,000	241	\$0.9540	Sendout	1-Feb-16	29-Feb-16	AC
984	Transco Zone 6 NonNY	5,276	182	\$2.1306	Sendout	1-Feb-16	29-Feb-16	AC
985	Transco Zone 6 Receipt	14,558	502	\$1.1950	Sendout	1-Feb-16	29-Feb-16	AC
986	Uniondale Direct Connect	44,476	1,534	\$1.2416	Purchase for Resale/Sendout	1-Feb-16	29-Feb-16	AC
987	Uniondale Direct Connect	46,980	1,620	\$1.1974	Sendout	1-Feb-16	29-Feb-16	AC
988	Uniondale Direct Connect	259,792	8,958	\$0.9540	Sendout	1-Feb-16	29-Feb-16	AC
989	Uniondale Direct Connect	174,000	6,000	\$0.9790	Sendout	1-Feb-16	29-Feb-16	AC
990	Uniondale Direct Connect	44,221	1,525	\$1.2391	Sendout	1-Feb-16	29-Feb-16	AC
991	Uniondale Direct Connect	214,803	7,407	\$1.1974	Sendout	1-Feb-16	29-Feb-16	AC
992	Uniondale Direct Connect	346	12	\$1.2344	Sendout	1-Feb-16	29-Feb-16	AC
993	Tennessee Zone 4 Receipt	11,435	11,435	\$1.2250	Sendout	5-Feb-16	5-Feb-16	AC
994	Tennessee Zone 4 Receipt	10,000	10,000	\$1.2225	Sendout	5-Feb-16	5-Feb-16	AC

Row	Purchase Point	Total Rcpt Qty (dth)	Daily Rcpt Qty (dth)	Price/dth	Deal Type	Start Date	End Date	Status
995	Tennessee Zone 4 Receipt	15,000	5,000	\$1.1800	Sendout	6-Feb-16	8-Feb-16	AC
996	Uniondale Direct Connect	14,931	4,977	\$1.1800	Purchase for Resale	6-Feb-16	8-Feb-16	AC
997	Tennessee Zone 4 Receipt	5,000	5,000	\$1.2975	Sendout	9-Feb-16	9-Feb-16	AC
998	Tennessee Zone 4 Receipt	6,400	6,400	\$1.2975	Sendout	9-Feb-16	9-Feb-16	AC
999	Tennessee Zone 4 Receipt	10,000	10,000	\$1.3150	Sendout	9-Feb-16	9-Feb-16	AC
1000	Tennessee Zone 4 Receipt	34	34	\$1.3150	Sendout	9-Feb-16	9-Feb-16	AC
1001	Transco Zone 4	12,259	12,259	\$2.2400	Purchase for Resale	9-Feb-16	9-Feb-16	AC
1002	Columbia Tco Pool	15,618	15,618	\$2.0875	Sendout	10-Feb-16	10-Feb-16	AC
1003	Tennessee Zone 4 Delivered	9,909	9,909	\$3.5150	Purchase for Resale	10-Feb-16	10-Feb-16	AC
1004	Tennessee Zone 4 Receipt	15,000	15,000	\$1.2850	Sendout	10-Feb-16	10-Feb-16	AC
1005	Tennessee Zone 4 Receipt	6,434	6,434	\$1.2875	Sendout	10-Feb-16	10-Feb-16	AC
1006	Transco Zone 4	15,323	15,323	\$2.2000	Purchase for Resale	10-Feb-16	10-Feb-16	AC
1007	Transco Zone 6 NonNY	5,105	5,105	\$3.5150	Purchase for Resale/Sendout	10-Feb-16	10-Feb-16	AC
1008	Columbia A06 Pool	8,334	8,334	\$1.9650	Sendout	11-Feb-16	11-Feb-16	AC
1009	Columbia Tco Pool	7,284	7,284	\$2.0275	Sendout	11-Feb-16	11-Feb-16	AC
1010	Tennessee Zone 4 Receipt	6,434	6,434	\$1.2325	Sendout	11-Feb-16	11-Feb-16	AC
1011	Tennessee Zone 4 Receipt	15,000	15,000	\$1.2300	Sendout	11-Feb-16	11-Feb-16	AC
1012	Transco Zone 4	15,450	15,450	\$2.1500	Purchase for Resale	11-Feb-16	11-Feb-16	AC
1013	Transco Zone 6 NonNY	12,833	12,833	\$4.2700	Purchase for Resale	11-Feb-16	11-Feb-16	AC
1014	Transco Zone 6 NonNY	2,413	2,413	\$4.2700	Sendout	11-Feb-16	11-Feb-16	AC
1015	Uniondale Direct Connect	1,791	1,791	\$4.2700	Purchase for Resale	11-Feb-16	11-Feb-16	AC
1016	Columbia A06 Pool	15,413	15,413	\$1.9150	Sendout	12-Feb-16	12-Feb-16	AC
1017	Transco Zone 4	15,450	15,450	\$2.1400	Purchase for Resale	12-Feb-16	12-Feb-16	AC
1018	Uniondale Direct Connect	14,424	14,424	\$4.0200	Purchase for Resale	12-Feb-16	12-Feb-16	AC
1019	Tennessee Zone 4 Receipt	107,175	21,435	\$1.0860	Sendout	12-Feb-16	16-Feb-16	AC
1020	Columbia A06 Pool	62,471	15,618	\$1.9100	Storage/Sendout	13-Feb-16	16-Feb-16	AC
1021	Transco Zone 4	21,560	5,390	\$2.0475	Sendout	13-Feb-16	16-Feb-16	AC
1022	Uniondale Direct Connect	56,400	14,100	\$6.0800	Purchase for Resale	13-Feb-16	16-Feb-16	AC
1023	Uniondale Direct Connect	10,000	10,000	\$1.2300	Purchase for Resale	17-Feb-16	17-Feb-16	AC
1024	Columbia A06 Pool	15,618	15,618	\$1.6200	Sendout	18-Feb-16	18-Feb-16	AC
1025	Tennessee Zone 4 Receipt	21,435	21,435	\$1.2950	Sendout	18-Feb-16	18-Feb-16	AC
1026	Uniondale Direct Connect	14,924	14,924	\$2.0200	Purchase for Resale	18-Feb-16	18-Feb-16	AC
1027	Uniondale Direct Connect	500	500	\$1.9250	Purchase for Resale	19-Feb-16	19-Feb-16	AC
1028	Columbia A06 Pool	1,530	510	\$1.3650	Sendout	20-Feb-16	22-Feb-16	AC
1029	Uniondale Direct Connect	500	500	\$1.8200	Purchase for Resale	23-Feb-16	23-Feb-16	AC
1030	Uniondale Direct Connect	353	353	\$1.7000	Purchase for Resale	24-Feb-16	24-Feb-16	AC
1031	Uniondale Direct Connect	353	353	\$1.7400	Purchase for Resale	25-Feb-16	25-Feb-16	AC
1032	Tennessee Zone 4 Receipt	21,435	21,435	\$1.1375	Sendout	26-Feb-16	26-Feb-16	AC
1033	Uniondale Direct Connect	353	353	\$1.8650	Purchase for Resale	26-Feb-16	26-Feb-16	AC
1034	Uniondale Direct Connect	1,059	353	\$1.2200	Purchase for Resale	27-Feb-16	29-Feb-16	AC
1035	Columbia Delivered	214	214	\$1.1550	Off-System Sale	1-Mar-16	1-Mar-16	AC
1036	Transco Zone 6 NonNY	17,505	565	\$1.0782	Off-System Sale	1-Mar-16	31-Mar-16	AC
1037	Columbia Delivered	15,538	15,538	\$1.5450	Off-System Sale	2-Mar-16	2-Mar-16	AC
1038	Columbia Delivered	214	214	\$1.6800	Off-System Sale	3-Mar-16	3-Mar-16	AC
1039	Columbia Delivered	214	214	\$1.6200	Off-System Sale	4-Mar-16	4-Mar-16	AC
1040	Columbia Delivered	642	214	\$1.2600	Off-System Sale	5-Mar-16	7-Mar-16	AC
1041	Uniondale Direct Connect	23,947	23,947	\$0.9400	Off-System Sale	7-Mar-16	7-Mar-16	AC
1042	Columbia Delivered	214	214	\$1.1050	Off-System Sale	8-Mar-16	8-Mar-16	AC
1043	Columbia Delivered	214	214	\$1.0400	Off-System Sale	9-Mar-16	9-Mar-16	AC
1044	Columbia Delivered	214	214	\$1.0400	Off-System Sale	10-Mar-16	10-Mar-16	AC
1045	Columbia Delivered	214	214	\$1.0900	Off-System Sale	11-Mar-16	11-Mar-16	AC
1046	Columbia Delivered	642	214	\$0.9250	Off-System Sale	12-Mar-16	14-Mar-16	AC
1047	Columbia Delivered	214	214	\$1.0900	Off-System Sale	15-Mar-16	15-Mar-16	AC
1048	Columbia Delivered	214	214	\$1.2050	Off-System Sale	16-Mar-16	16-Mar-16	AC
1049	Columbia Delivered	214	214	\$1.2150	Off-System Sale	17-Mar-16	17-Mar-16	AC
1050	Columbia Delivered	214	214	\$1.4850	Off-System Sale	18-Mar-16	18-Mar-16	AC
1051	Columbia Delivered	642	214	\$1.9700	Off-System Sale	19-Mar-16	21-Mar-16	AC
1052	Columbia Delivered	214	214	\$1.3150	Off-System Sale	22-Mar-16	22-Mar-16	AC
1053	Columbia Delivered	214	214	\$1.2700	Off-System Sale	23-Mar-16	23-Mar-16	AC
1054	Columbia Delivered	214	214	\$1.3100	Off-System Sale	24-Mar-16	24-Mar-16	AC
1055	Columbia Delivered	856	214	\$1.1900	Off-System Sale	25-Mar-16	28-Mar-16	AC
1056	Columbia Delivered	214	214	\$1.5500	Off-System Sale	29-Mar-16	29-Mar-16	AC
1057	Columbia Delivered	214	214	\$1.5300	Off-System Sale	30-Mar-16	30-Mar-16	AC
1058	Columbia Delivered	194	194	\$1.3250	Off-System Sale	31-Mar-16	31-Mar-16	AC

Row	Month	Delivering Pipeline	Receipt Point	Delivery Point	Transaction Type	Delivered Quantity(dth)	Transp Comm. Cost (\$/dth)
1	Apr-15	Columbia	A06 Pool	Columbia Delivered	OSS	423,945	\$0.0194
2	Apr-15	Columbia	A06 Pool	Columbia Delivered	Send out	4,715	\$0.0194
3	Apr-15	Columbia	Tco Leach	Columbia Delivered	Send out	2,043	\$0.0194
4	Apr-15	Columbia	Tco Leach	Columbia Delivered	OSS	59,247	\$0.0194
5	Apr-15	Transco	Zone 4	Zone 6 NonNY	OSS	3,928	\$0.0308
6	Apr-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	716,966	\$0.0542
7	Apr-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	OSS	115,363	\$0.0542
8	Apr-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	14,500	\$0.0056
9	Apr-15	Transco	Zone 6 Receipt	Zone 6 NonNY	OSS	500	\$0.0056
10	May-15	Columbia	A06 Pool	Columbia Delivered	OSS	508,549	\$0.0194
11	May-15	Columbia	Tco Leach	Columbia Delivered	OSS	63,276	\$0.0194
12	May-15	Columbia	Tco Pool	Columbia FSS	Storage	2,635	\$0.0194
13	May-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	525,240	\$0.0542
14	May-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	15,500	\$0.0056
15	Jun-15	Columbia	A06 Pool	Columbia Delivered	OSS	459,266	\$0.0194
16	Jun-15	Columbia	Tco Leach	Columbia Delivered	OSS	61,290	\$0.0194
17	Jun-15	Columbia	Tco Pool	Columbia FSS	Storage	4,050	\$0.0194
18	Jun-15	Columbia	Tco Pool	Columbia Delivered	OSS	4,580	\$0.0194
19	Jun-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	240,240	\$0.0542
20	Jun-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	OSS	323,700	\$0.0542
21	Jun-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	13,500	\$0.0056
22	Jul-15	Columbia	A06 Pool	Columbia Delivered	OSS	469,079	\$0.0194
23	Jul-15	Columbia	Tco Leach	Columbia Delivered	OSS	63,269	\$0.0194
24	Jul-15	Columbia	Tco Pool	Columbia FSS	Storage	4,185	\$0.0194
25	Jul-15	Columbia	Tco Pool	Columbia Delivered	Send out	580	\$0.0194
26	Jul-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	OSS	232,500	\$0.0542
27	Jul-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	270,253	\$0.0542
28	Jul-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	15,000	\$0.0056
29	Aug-15	Columbia	A06 Pool	Columbia Delivered	OSS	421,242	\$0.0194
30	Aug-15	Columbia	A06 Pool	Columbia Delivered	Send out	4,568	\$0.0194
31	Aug-15	Columbia	Tco Leach	Columbia Delivered	OSS	63,333	\$0.0194
32	Aug-15	Columbia	Tco Pool	Columbia FSS	Storage	4,557	\$0.0194
33	Aug-15	Columbia	Tco Pool	Columbia Delivered	OSS	4,568	\$0.0194
34	Aug-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	OSS	157,030	\$0.0542
35	Aug-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	298,784	\$0.0542
36	Aug-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	15,500	\$0.0056
37	Sep-15	Columbia	A06 Pool	Columbia Delivered	OSS	374,565	\$0.0194
38	Sep-15	Columbia	Tco Leach	Columbia Delivered	OSS	61,290	\$0.0194
39	Sep-15	Columbia	Tco Pool	Columbia FSS	Storage	3,000	\$0.0194
40	Sep-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	OSS	87,491	\$0.0542
41	Sep-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	347,023	\$0.0542
42	Sep-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	4,500	\$0.0056
43	Oct-15	Columbia	A06 Pool	Columbia Delivered	OSS	397,777	\$0.0194
44	Oct-15	Columbia	Tco Leach	Columbia Delivered	OSS	63,333	\$0.0194
45	Oct-15	Columbia	Tco Pool	Columbia Delivered	OSS	62,961	\$0.0194
46	Oct-15	Columbia	Tco Pool	Columbia Delivered	Send out	3,117	\$0.0194
47	Oct-15	Columbia	Tco Pool	Columbia FSS	Storage	2,424	\$0.0194
48	Oct-15	Tennessee	Zone 4 Delivered	Zone 4 Delivered	Send out	16,343	\$2.1220
49	Oct-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	621,767	\$0.0542
50	Oct-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	OSS	316,440	\$0.0542
51	Oct-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	10,500	\$0.0056
52	Nov-15	Columbia	A06 Pool	Columbia Delivered	OSS	33,664	\$0.0194
53	Nov-15	Columbia	A06 Pool	Columbia Delivered	Send out	1,230	\$0.0194

Row	Month	Delivering Pipeline	Receipt Point	Delivery Point	Transaction Type	Delivered Quantity(dth)	Transp Comm. Cost (\$/dth)
54	Nov-15	Columbia	Tco Pool	Columbia Delivered	OSS	6,984	\$0.0194
55	Nov-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	337,052	\$0.0534
56	Nov-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	5,346	\$0.0520
57	Nov-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	3,000	\$0.0056
58	Dec-15	Columbia	A06 Pool	Columbia Delivered	OSS	71,346	\$0.0194
59	Dec-15	Columbia	A06 Pool	Columbia Delivered	Send out	8,600	\$0.0194
60	Dec-15	Columbia	Columbia Delivered	Columbia FSS	Storage	963	\$0.0178
61	Dec-15	Columbia	Tco Pool	Columbia Delivered	Send out	3,400	\$0.0194
62	Dec-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	277,995	\$0.0534
63	Dec-15	Tennessee	Zone 4 Receipt	Zone 4 Delivered	OSS	43,000	\$0.0534
64	Dec-15	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	5,000	\$0.0056
65	Jan-16	Columbia	A06 Pool	Columbia Delivered	Send out	40,962	\$0.0194
66	Jan-16	Columbia	A06 Pool	Columbia Delivered	OSS	141,868	\$0.0194
67	Jan-16	Transco	Zone 4	Zone 6 NonNY	OSS	3,193	\$0.0294
68	Jan-16	Columbia	Tco Pool	Columbia Delivered	Send out	60,825	\$0.0194
69	Jan-16	Transco	Zone 4	Zone 6 NonNY	OSS	61,481	\$0.0308
70	Jan-16	Transco	Zone 4	Zone 6 NonNY	OSS	28,886	\$0.0294
71	Jan-16	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	772,455	\$0.0534
72	Jan-16	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	6,012	\$0.0542
73	Jan-16	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	81,680	\$0.0520
74	Jan-16	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	13,500	\$0.0056
75	Feb-16	Columbia	A06 Pool	Columbia Delivered	OSS	93,320	\$0.0194
76	Feb-16	Columbia	A06 Pool	Columbia Delivered	Send out	5,940	\$0.0194
77	Feb-16	Columbia	A06 Pool	Columbia Delivered	Send out	1,551	\$0.0194
78	Feb-16	Columbia	A06 Pool	Columbia Delivered	Send out	605	\$0.0194
79	Feb-16	Columbia	Tco Pool	Columbia Delivered	Send out	7,369	\$0.0194
80	Feb-16	Columbia	Tco Pool	Columbia Delivered	Send out	2,202	\$0.0194
81	Feb-16	Columbia	Tco Pool	Columbia Delivered	Send out	1,000	\$0.0194
82	Feb-16	Columbia	Tco Pool	Columbia Delivered	Send out	400	\$0.0194
83	Feb-16	Columbia	Tco Pool	Columbia Delivered	OSS	10,700	\$0.0194
84	Feb-16	Columbia	Tco Pool	Columbia Delivered	Send out	800	\$0.0194
85	Feb-16	Transco	Zone 4	Zone 6 NonNY	OSS	59,086	\$0.0308
86	Feb-16	Transco	Zone 4	Zone 6 NonNY	OSS	19,264	\$0.0294
87	Feb-16	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	524,041	\$0.0534
88	Feb-16	Tennessee	Zone 4 Receipt	Zone 4 Delivered	OSS	24,931	\$0.0534
89	Feb-16	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	78,996	\$0.0520
90	Feb-16	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	14,500	\$0.0056
91	MAR-2016	Columbia	A06 Pool	Columbia Delivered	OSS	4,906	\$0.0194
92	MAR-2016	Columbia	A06 Pool	Columbia Delivered	OSS	3,968	\$0.0194
93	MAR-2016	Columbia	A06 Pool	Columbia Delivered	OSS	6,450	\$0.0194
94	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	120,425	\$0.0534
95	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	8,843	\$0.0534
96	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	2,380	\$0.0534
97	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	28,854	\$0.0534
98	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	4,000	\$0.0534
99	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	4,000	\$0.0534
100	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	51,759	\$0.0534
101	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	199	\$0.0534
102	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	4,479	\$0.0534
103	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	OSS	19,447	\$0.0534
104	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	OSS	4,500	\$0.0534
105	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	5,085	\$0.0520
106	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	1,017	\$0.0520

Row	Month	Delivering Pipeline	Receipt Point	Delivery Point	Transaction Type	Delivered Quantity(dth)	Transp Comm. Cost (\$/dth)
107	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	6,385	\$0.0520
108	MAR-2016	Tennessee	Zone 4 Receipt	Zone 4 Delivered	Send out	1,277	\$0.0520
109	MAR-2016	Transco	Zone 6 Receipt	Zone 6 NonNY	Send out	2,500	\$0.0056

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 2-B [52 Pa. Code §53.64(c)(3)] OTHER SOURCES OF GAS SUPPLY

A similar listing of gas sources, transportation or storage and associated projected costs offered or considered but not chosen to meet supply for the next 20 months, along with reasons for nonselection.

RESPONSE:

PNG considers all practical sources of gas in the supply portfolio. The identification of supplies to be procured in the projected period is based on load duration analysis and a supply optimization model. The load duration analysis is a tool used to help define the design peak day and seasonal contract requirements. This information is critical in developing the proper mix of baseload supplies (FT, delivered supply, and Marcellus production), seasonal supplies (storage), and peaking supplies.

PNG updates a supply optimization model in order to analyze its supply purchase options. Market price information is collected from several sources, some of which are the Intercontinental Exchange (ICE) physical basis pricing, NYMEX futures pricing, and quotes from potential suppliers. PNG then calculates any applicable pipeline variables costs that would be incurred when transporting supply from the purchase location to PNG's citygate. PNG is then able to determine the least cost option based upon its physical and contractual assets to serve the system demand and achieve a low cost supply mix.

PNG continues to evaluate new purchase contracts for firm supplies in an effort to meet PNG's least cost procurement obligation of providing reliable service and price stability. Existing firm supply arrangements will be renegotiated monthly, seasonally and annually, and evaluated based on changing market conditions. PNG continually evaluates viable supply and transportation alternatives in order to lower gas costs, diversify the supply base, meet changing requirements, maintain reliability and decrease price volatility.

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 3 [52 Pa. Code §53.64(c)(4)] FERC PROCEEDINGS

Provide an annotated listing of Federal Energy Regulatory Commission or other relevant non-Commission proceedings, including legal action necessary to relieve the utility from existing contract terms which are or may be adverse to the interests of its ratepayers, which affect the cost of the utility's gas supply transportation or storage or which might have an impact on the utility's efforts to provide its customers with reasonable gas service at the lowest price possible. This list shall include docket numbers and shall summarize what has transpired in the cases, and the degree of participation, if any, which the utility has had in the cases. The initial list filed under this paragraph shall include cases for the past 3 years. Subsequent lists need only update prior lists and add new cases.

RESPONSE:

PNG transports gas on: Columbia; Columbia Gulf; Transco; and Tennessee. PNG contracts for storage service with Columbia and Transco.

Because the FERC has jurisdiction over the pipeline transportation and storage services included in PNG's supply portfolio, PNG is an active local distribution company before the FERC in all relevant pipeline regulatory proceedings.

PNG actively monitors many different FERC proceedings or initiatives either individually or through the American Gas Association. PNG will intervene in, file comments regarding, protest, or otherwise participate in specific pipeline proceedings or FERC initiatives as necessary. This activity is designed to minimize the purchased gas cost and/or improve the level or quality of service provided to PNG by its interstate pipeline suppliers.

Shown below is a listing of FERC proceedings over the past year in which PNG participated.

Docket Number	Description	Date
CP15-148-000	Tennessee Gas Pipeline Company, L.L.C. Application for Susquehanna West Project.	04/02/15
RP15-835-000	Columbia Gas Transmission, LLC 2015 OTRA Compliance Filing.	04/08/15
RP15-838-000	Columbia Gas Transmission, LLC filing to adjust the OTRA to be effective 5/1/2015.	04/08/15
CP15-150-000	Columbia Gas Transmission, LLC Line WB2VA Integrity Project Application.	04/10/15

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

CP15-153-000	Columbia Gas Transmission, LLC Downtown compressor replacement project application.	04/10/15
CP15-133-000	Columbia Gas Transmission, LLC application to abandon by sale to Mountaineer Gas Company certain natural gas facilities located in Cabell and Putnam Counties West Virginia.	04/10/15
CP15-138-000	Transcontinental Gas Pipe Line Company, LLC Atlantic Sunrise Project application.	04/10/15
RP15-928-000	Transcontinental Gas Pipe Line Company, LLC Negotiated Rates filing for UGI Utilities, Inc. to be effective 5/1/2015.	05/11/15
RP16-990-000	Tennessee Gas Pipeline Company, L.L.C. submits Settlement Filing to adjust base rates effective 11/1/2015.	05/14/15
CP15-495-000	Columbia Gas Transmission, LLC application to abandon a Section of Line 138 and Construct a 2-inch Lateral.	05/20/15
CP15-512-000	Columbia Gas Transmission, LLC application to replace Cleveland compressor.	06/08/15
CP15-514-000	Columbia Gas Transmission, LLC Leach XPress Project application.	06/08/15
CP15-520-000	Tennessee Gas Pipeline Company, L.L.C. Application for the Triad Expansion Project.	06/15/15
RP15-1128-000	Columbia Gas Transmission, LLC application to obtain off-system capacity on Millennium Pipeline Company, L.L.C.'s pipeline.	08/04/15
RP15-1176-000	Transcontinental Gas Pipe Line Company, LLC Report of Transco's GSS / LSS Customer Share of DTI Penalty Revenue 2015.	08/05/15
RP15-1212-000	Transcontinental Gas Pipe Line Company, LLC filing of Cash Out Reference Spot Prices to be effective 10/1/2015.	08/31/15
RP15-1243-000	Columbia Gulf Transmission, LLC Cash Out Filing to be effective 10/1/2015.	09/03/15
RP15-1246-000	Columbia Gulf Transmission, LLC FTS-2 Out of Path Refund Report.	09/14/15
RP15-1290-000	Transcontinental Gas Pipe Line Company, LLC filing to adjust NYFG and UGI DPEs to be effective 10/25/2015.	09/25/15
RP15-1272-000	Transcontinental Gas Pipe Line Company, LLC Annual Cash-Out Report for the period ending 7/31/15.	09/29/15
RP15-1308-000	Transcontinental Gas Pipe Line Company, LLC filing to adjust the 2015 LNG Fuel Tracker.	10/05/15
RP16-22-000	Transcontinental Gas Pipe Line Company, LLC submits filing to revise its Operational Impact Areas to be effective 11/1/2015.	10/07/15
CP15-558-000	PennEast Pipeline Company, LLC Application for Certificate of Public Convenience and Necessity to construct facilities.	10/27/15

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

RP16-121-000	Columbia Gas Transmission, LLC filing to adjust OTRA to be effective 12/1/2016.	11/09/15
RP16-182-000	Transcontinental Gas Pipe Line Company, LLC GSS / LSS Tracker Filing to be effective 11/1/2015.	11/13/15
CP16-21-000	Tennessee Gas Pipeline Company, L.L.C. Application for Northeast Direct Export Pipeline Project.	11/24/15
RP16-241-000	Columbia Gulf Transmission, LLC filing to modify pro forma service agreements to allow for changes in Transportation Demand to be effective 1/1/2016.	12/01/15
RP16-242-000	Columbia Gas Transmission, LLC filing to modify pro forma service agreements to allow for changes in Transportation Demand to be effective 1/1/2016.	12/01/15
CP16-29-000	Transcontinental Gas Pipe Line Company, LLC application for the abandonment-by-sale of the Allentown Lateral in Northampton County, Pennsylvania.	12/16/15
CP16-30-000	UGI Mt. Bethel Pipeline Co., LLC Application to Acquire and Operate Natural Gas Pipeline Facilities.	12/16/15
RP16-338-000	Columbia Gulf Transmission, LLC filing to update Index Prices effective 2/1/2016.	12/31/15
RP16-350-000	Columbia Gulf Transmission, LLC Penalty Revenue Crediting Report.	01/06/16
RP16-340-000	Columbia Gas Transmission, LLC Penalty Revenue Crediting Report.	01/06/16
RP16-353-000	Columbia Gas Transmission, LLC s filing to adjust the CCRM to be effective 2/1/2016.	01/06/16
CP16-38-000	Columbia Gas Transmission, LLCWB XPress Project application.	01/06/16
RP16-302-000	Columbia Gulf Transmission, LLC Investigation Pursuant to Section Five of the Natural Gas Act to determine whether current rates are just and reasonable.	02/01/16
RP16-381-000	Transcontinental Gas Pipe Line Company, LLC filing to adjust the LSS and SS-2 Tracker effective 11/1/15.	02/01/16
RP16-634-000	Transcontinental Gas Pipe Line Company, LLC filing to adjust the Annual Electric Power Tracker to be effective 4/1/2016.	02/26/16
RP16-630-000	Transcontinental Gas Pipe Line Company, LLC / filing to adjust the Annual Fuel Tracker to be effective 4/1/2016.	02/26/16
RP16-658-000	Tennessee Gas Pipeline Company, L.L.C. submits tariff filing Fuel Tracker 2016 to be effective 2/29/2016.	03/02/16
RP16-704-000	Columbia Gas Transmission, LLC filing to adjust the TCRA to be effective 4/1/2016.	03/02/16
RP16-678-000	Columbia Gulf Transmission, LLC filing to adjust the TRA 2016 to be effective 4/1/2016.	03/07/16

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

RP16-670-000	Columbia Gas Transmission, LLC filing to adjust fuel retainage percentages ("RAM") to be effective 4/1/2016.	03/09/16
RP16-669-000	Columbia Gas Transmission, LLC filing to adjust the EPCA to be effective 4/1/2016.	03/09/16

The objective of PNG's FERC activity is to obtain transportation and storage services consistent with a least-cost purchase strategy by intervention and active participation in all cases having a material effect on gas cost, supply, transportation and storage services. This objective is accomplished by intervention and active participation in cases including, but not limited to, Natural Gas Act Section 4 Base Rate Proceedings and Certificate Proceedings for relevant pipelines, and generic FERC rulemakings or policy statements.

PNG's FERC activity is concentrated on matters involving the jurisdictional pipelines listed below along with the services for which PNG contracts or will contract during the 20-month projected period.

- (1) Columbia PNG contracts for firm storage service under Rate FSS and for firm transportation services under Rates FTS and SST.
- (2) Columbia Gulf PNG contracts for firm transportation services under Rate FTS-1.
- (3) Transco PNG contracts for firm transportation services under Rate FT, FT-PS and for firm storage services under Rates GSS, LSS, SS-2, and ESS.
- (4) Tennessee PNG contracts for firm transportation under rate FT-A and FT-G.

The degree to which PNG participates in FERC proceedings depends upon the nature of the case and the potential impact on PNG's ratepayers. PNG participation includes but is not limited to:

- communication and negotiation with pipelines;
- coordination with other customers with similar interests;
- interventions in the form of support, protests and comments;
- active role at settlement or prehearing conferences;
- presentation of testimony and cross examination of opposing witnesses;
- presentation of briefs, exceptions and appeals;
- communication with State regulatory bodies for assistance in FERC matters.

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

Any particular case in which PNG intervenes may require all or a combination of the above. Certain issues may require lengthy litigation; while for others, the settlement process is more economical and practical. PNG retains the law firm of Post & Schell as counsel on FERC matters.

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 4 [52 Pa. Code §53.64(c)(5)] SUPPLY/DEMAND PROJECTIONS

Provide a listing and updating, if necessary, of projections of gas supply and demand provided to the Commission for any purpose--see §59.67 (relating to formats). In addition, provide an accounting of the difference between reported gas supply available and gas supply deliverable--including storage--from the utility to its customers under various circumstances and time periods.

RESPONSE:

Attachment 4-1, presents data filed in PNG's 2016 IRP. The available gas supply, volume delivered and demand are in balance.

CONFIDENTIAL

REVISED

FORM-IRP-GAS-1A: ANNUAL GAS REQUIREMENTS

REPORTING UTILITY: UGI PENN NATURAL GAS

(volumes in MMcf)

	Historical Data		Current Year	Three Year Forecast		
Index Year Actual Year	-2 2014	-1 2015	0 2016	1 2017	2 2018	3 2019
Firm Sales:						
Retail Residential	16,914	16,140	16,567	16,616	16,619	16,624
Retail Commercial	5,303	4,884	4,931	5,073	5,282	5,351
Retail Industrial	121	102	147	137	119	102
Electric Power Generation	0	0	0	0	0	0
Exchange with Other Utilities	0	0	0	0	0	0
Unaccounted For	113	204	311	371	372	372
Company Use	98	93	63	63	63	63
Other	0	0	0	0	0	0
Subtotal Firm Sales	22,549	21,423	22,019	22,262	22,455	22,512
Interruptible Sales:						
Retail	0	0	0	0	0	0
Electric Power Generation	0	0	0	0	0	0
Company's Own Plant	0	0	0	0	0	0
Subtotal Interruptible Sales	0	0	0	0	0	0
SUBTOTAL FIRM AND INTERRUPTIBLE SALES	22,549	21,423	22,019	22,262	22,455	22,512
Transportation:						
Firm Residential	245	312	450	449	445	441
Firm Commercial	9,113	7,180	7,589	7,636	7,593	7,552
Firm Industrial	19,165	19,171	48,003	56,637	56,628	56,619
Interruptible Residential	0	0	0	0	0	0
Interruptible Commercial	1,730	470	664	675	675	675
Interruptible Industrial	1,178	582	569	569	569	569
Electric Power Generation	7,087	7,578	3,554	4,706	4,706	4,706
Subtotal Transportation	38,519	35,292	60,829	70,671	70,616	70,561
TOTAL GAS REQUIREMENTS	61,068	56,715	82,848	92,933	93,071	93,073
Increase (Decrease)		(4,353)	26,133	10,085	138	2
Percent Change (%)		-7.1%	46.1%	12.2%	0.1%	0.0%

CONFIDENTIAL

REVISED

FORM-IRP-GAS-2A: NATURAL GAS SUPPLY
 REPORTING UTILITY: UGI Penn Natural Gas, INC.

TABLE 1: ANNUAL SUPPLY
 (volumes in MMcf)

Index Year Actual Year	Historical Data		Current Year	Three Year Forecast		
	-2 2014	-1 2015	0 2016	1 2017	2 2018	3 2019
Gas Supply for Sales Service						
Supply Contracts						
R	20,855	9,416	2,837	0	0	0
M	3,290	3,716	396	0	0	0
S	1,974	2,819	304	0	0	0
H	922	2,005	251	0	0	0
P	802	1,483	149	0	0	0
A	773	1,270	130	0	0	0
G	612	765	121	0	0	0
J	512	612	44	0	0	0
B	377	475	36	0	0	0
Q	352	245	20	0	0	0
Supply Contracts (Other)	422	4,109	18,454	22,280	22,473	22,530
Spot Purchases	0	0	0	0	0	0
Storage Withdrawals	9,289	7,704	4,180	4,180	4,180	4,180
LNG/SNG/Propane Purchases	15	0	0	0	0	0
Company Production	0	0	0	0	0	0
Local Purchases	2	2	0	0	0	0
Exchanges with other LDCs	0	0	0	0	0	0
Other	0	0	0	0	0	0
Total Gas Supply for Sales	40,197	34,621	26,923	26,460	26,653	26,710
Total Transportation Service	38,519	35,292	60,829	70,671	70,616	70,561
TOTAL SALES GAS SUPPLY AND TRANSPORTATION SERVICE	78,716	69,913	87,752	97,131	97,269	97,271
Deductions						
Transportation Fuel	(341)	(283)	(30)			
Curtailments	0	0	0	0	0	0
Underground Storage Injections	(9,599)	(4,843)	(4,198)	(4,198)	(4,198)	(4,198)
LNG Liquefaction	0	0	0	0	0	0
Sales to other LDCs	0	0	0	0	0	0
Off-System Sales	(7,707)	(8,072)	(676)	0	0	0
Total Deductions	(17,648)	(13,198)	(4,904)	(4,198)	(4,198)	(4,198)
NET GAS SUPPLY	61,068	56,715	82,848	92,933	93,071	93,073

Rank contracts in order of magnitude for the current year. Reporting should proceed along rank ordering until 75% of total contract supply is accounted for, or until ten contracts have been listed, whichever comes first. Provide a separate sheet identifying the supplier for each contract listed.

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 5 [52 Pa. Code §53.64(c)(6)] FUEL PROCUREMENT PRACTICES

Each Section 1307(f) utility shall file with the Commission a statement of its current fuel procurement practices, detailed information concerning the staffing and expertise of its fuel procurement personnel, a discussion of its methodology for obtaining a least cost and reliable source of gas supply, including a discussion of any methodologies, assumptions, models or rules of thumb employed in selecting its gas supply, transportation and storage mix, its loss prevention strategy in the event of fraud, nonperformance or interruption of performance, its participation in capacity release and reallocation programs, the impact, if any, upon least cost fuel procurement by constraints imposed by local transportation end users, interruptible service, balancing, storage and dispatching options, and its strategy for improving its fuel procurement practices in the future and timetable for implementing these changes.

RESPONSE:

STATEMENT OF FUEL PROCUREMENT PRACTICES

PNG's fuel procurement practices are designed to meet the natural gas capacity requirements of its core market customers, which include PGC and Choice, and the natural gas supply requirements of its firm PGC customers following a least cost procurement strategy, providing secure and reliable capacity and supplies and promoting price stability.

STAFFING

An organizational chart depicting PNG's current Supply Department staff has been included as Attachment 5-1. There are three functional groups which play key roles in fulfilling the company's primary supply goals. These groups are **Short Term Supply Planning and Procurement**, **Long Term Supply Planning and Procurement** and **Gas Control**. Each of these groups is responsible for meeting the supply requirements of not only PNG, but also meeting these same requirements for UGI Utilities, Inc. ("UGI") and UGI Central Penn Gas ("CPG"). Members of these teams make up a diverse group which encompasses varied levels and areas of utility industry experience. The average tenure of each member within the utility is approximately 16 years. These individuals have experience and expertise in the areas of Engineering, Operations, Marketing, Rates, Regulatory Affairs, Accounting and Finance.

Short Term Supply Planning and Procurement personnel are responsible for supply activities related to terms of one month or less. Some of the responsibilities under short term planning include defining demand requirements and identifying and negotiating supplies required to meet the demand along with contingency plans to handle fluctuations in demand. The group is also responsible for implementing the procurement plans, which includes the purchase of supplies,

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

nomination and scheduling of supplies and the associated accounting and record keeping related to these activities.

Long Term Supply Planning and Procurement personnel are responsible for supply activities related to terms of more than one month. Some of the responsibilities under long term planning include issuing requests for proposals (RFPs) and negotiating contracts related to interstate pipelines, producers and marketers involved in the delivery of natural gas to the company. A primary goal of this group is to develop and maintain a highly reliable and diverse list of available suppliers. This is an extremely important component in the company's reliability planning which helps to assure the availability of firm supply to core market customers. Additionally, personnel in this group are responsible for monitoring pertinent Federal and State proceedings and promoting the interests of PNG's customers with the regulatory authorities. PNG's primary FERC activities are in base rate cases, certification proceedings and rulemakings. Base rate interventions require monitoring of pipeline cost policies. Certification proceedings involve authorizations for facilities and interconnections to broaden PNG's access to lesser-cost or more reliable gas supplies. Pipeline certificate proceedings are also monitored to prevent inequitable cost shifting to PNG's customers.

Gas Control personnel are primarily responsible for monitoring system pressures and flows in an effort to respond to the needs of the distribution system in order to ensure safe and reliable service. Additionally, Gas Control is responsible for monitoring daily demand and balancing such demand with those supplies provided by the Short Term Supply Planning and Procurement group. Gas Control personnel perform the majority of these duties through the utilization of a Supervisory Control and Data Acquisition (SCADA) system. This system is able to continually monitor the distribution system 24 hours per day, 7 days per week. Gas Control is also able to measure hourly and daily pipeline flows into its system to compare with those same measurements made by the interstate pipelines. This ensures that the proper quantities of gas are accurately recorded and eventually billed.

DISCUSSION OF FUEL PROCUREMENT METHODOLOGY

PNG's fuel procurement practices are designed to meet the natural gas requirements of its firm customers following a least cost procurement strategy, providing secure and reliable supplies and promoting price stability.

RELIABILITY

PNG's objective to provide reliable natural gas supplies is reached through a variety of approaches. The primary approach that is of utmost importance is the procurement of primary firm asset backed capacity for core market customers. PNG's philosophy emphasizes the ability to provide each firm customer with natural gas supply every day of the year. Over the last several years there has been a notable increase in the number of interstate pipeline capacity constraints which has curtailed

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

capacity with non-primary rights. Without primary firm asset backed capacity, PNG cannot guarantee supply reliability.

Another important piece of the reliability plan is the inclusion of a diverse mix of reliable supply sources in the supply portfolio. Over the past year, PNG contracted for firm transportation, firm delivered supply, firm storage, and firm peaking services from a mix of four interstate pipeline companies and two suppliers. These providers are Transco, Tennessee, Columbia, Columbia Gulf, UGI Energy Services and Citrus Energy. The source points for PNG's gas supplies span from the Gulf of Mexico, Louisiana, and Texas to the Appalachian Mountains and Marcellus Shale region in Pennsylvania. In particular the Marcellus Shale region has become a growing supply source for PNG over the past few years.

While there are vast quantities of natural gas being produced in the Marcellus Shale region, so much so that gas is being shipped to other parts of the country, some of the Marcellus production is flowing into pricing locations that are not yet liquid. To compensate for the lack of liquidity in parts of the Marcellus Shale region, PNG contracts for firm supply at these Marcellus supply locations in advance via RFP or other form of competitive bidding as appropriate. However, increasing supplies from certain parts of the Marcellus are flowing into liquid markets and PNG has been shifting its portfolio to take advantage of these locations. Even though PNG is shifting to Marcellus, PNG's non-Marcellus supply locations continue to be liquid.

PNG also increases the reliability of supply by using storage facilities. During the summer injection season PNG buys natural gas and injects it into underground storage fields. During the winter season, PNG withdraws this gas from the storage fields to supplement baseload purchases. PNG's firm storage provides the company with supply points that are geographically diverse, located primarily in PNG's market area as opposed to the gulf coast. Having supplies available from varied locations reduces the risk of losing a large portion of supply at a single location. For example, storage facilities located within the market areas are not as susceptible to hurricanes as are gulf coast production facilities. Currently, PNG has approximately 6.5 MMdth of underground storage in its supply portfolio.

For core market customers such as residential and small commercial and industrial customers on PNG's system, PNG's Customer Choice Program requires Choice Suppliers to accept releases of primary firm pipeline capacity contracted by PNG in an effort to maintain system reliability and facilitate the prudent allocation of costs. In addition to the requirement to comply with tariff Rate AG, which includes established penalties for failure to perform as an attempt to assure market discipline by Choice Suppliers, Choice Suppliers are also required to execute an Aggregation Agreement. This agreement allows PNG to recall released capacity to meet its supplier of last resort obligation to ensure the reliability of supply for the core market in the event of a supplier default and reduce risk during the supply transition under a default scenario.

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

PNG also has an opportunistic benefit to enter into gas purchases and sales between distribution company affiliates UGI and CPG in order to provide another layer of system balancing opportunities. To the extent one distribution company affiliate is long and another is short on any given day or month, PNG can take advantage of the portfolio synergies between the companies in this manner thus avoiding purchasing supplies in the spot market and avoiding potential pipeline penalties.

PRICE STABILIZATION

In accordance with the Settlement in UGI's 2004 purchased gas cost filing (Docket No. R-00049422), UGI hired a consultant with expertise in the use of financial instruments to review UGI's PGC risk management plan. The consultant's recommendations were reviewed and adopted by UGI as part of a settlement agreement with the PA PUC. This hedging strategy consists of a time-triggered, layering in approach for procurement of PGC seasonal supplies over a longer planning horizon. As a result of the integration of UGI and PNG Gas Supply planning, this same hedging strategy is incorporated into the PNG supply planning process. Additionally, PNG utilizes financial instruments, specifically futures and options, in pursuit of its ongoing gas purchasing strategy to promote price stability and maintain operational flexibility. PNG incorporates the purchase of options into its PGC supply portfolio at an annual cost not to exceed 1% of PNG's annual purchased gas costs projected in the prior year's 1307(f) Book 1 filing.

PLANNING TOOLS

As described in Section 2-B, PNG has two main planning tools that it uses in an effort to achieve the objectives of least cost procurement, reliability, risk management, and price stability. These two main tools are a supply optimization model and load duration analysis. Both tools are used to model the natural gas demand and supply balance. The demand and supply balance is modeled first yearly and seasonally and then drills down to monthly, weekly, and daily time frames. PNG adjusts the monthly and daily plans based on actual weather and seasonal and annual constraints. Through this planning process PNG works toward achieving the main procurement objectives as stated above.

Annually and seasonally, PNG's planning tools determines system capacity requirements. PNG then aggressively pursues available market options to fill any incremental capacity needs. On a monthly and daily basis PNG works towards implementing the plans from the capacity optimization model and the load duration analysis. Since PNG analyzes its portfolio for the lowest cost options, PNG is continually implementing a plan based on a least cost optimization of the entire asset portfolio.

Included in the portfolio and plans, among other assets, are the use of swing rights on firm transportation contracts and peaking services. These no-notice services help in balancing the

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

distribution system on a daily basis. Differences in the plan and actual results can arise from rapidly changing weather patterns, imprecise weather forecasts, economic shifts, or pipeline restrictions.

CAPACITY RELEASE AND INCENTIVE SHARING

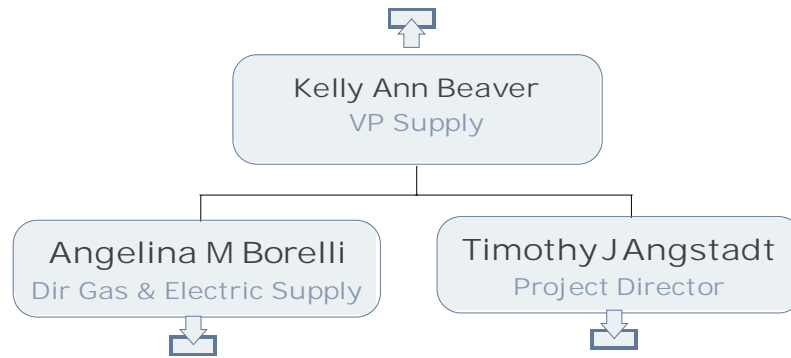
Federal regulatory policies provide opportunities to sell or release pipeline and storage capacities when they are not needed to meet firm demand. Such policies also permit PNG to acquire capacity released by other shippers. PNG will consider bidding on released capacity when it aligns with its procurement policy.

During the past 12 months, PNG's credits from short term, off-system capacity releases, storage asset management and off-system sales are included in Attachment 1-A-1 under the line item labeled "Capacity Release/Incentive Sharing." Attachments 1-B-1 and 1-B-2 show PNG's forecast for these same credits for the projected 20-month period.

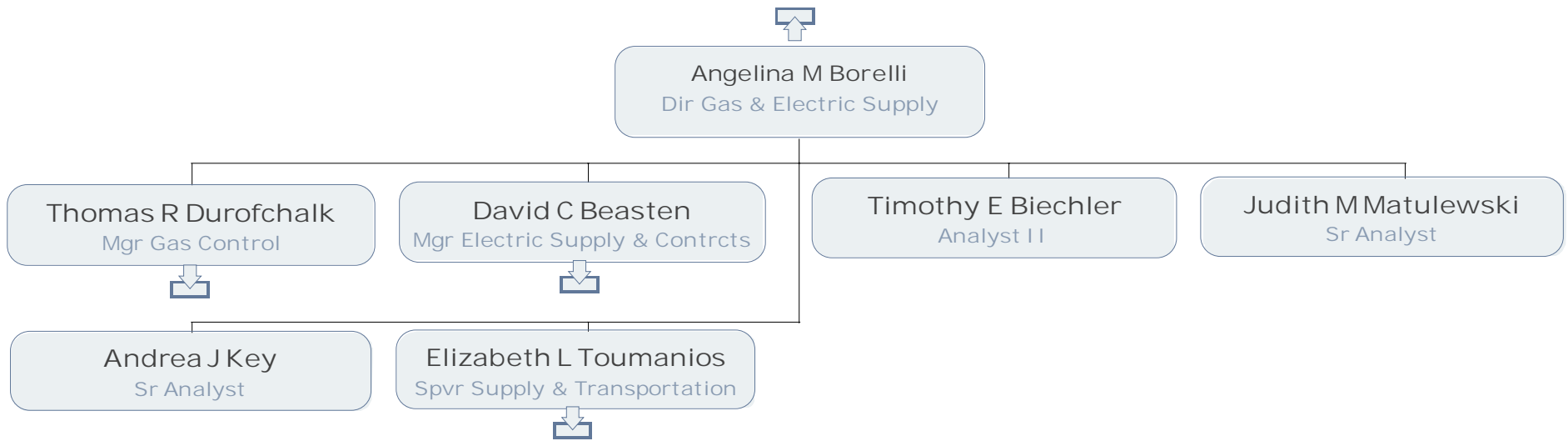
SUMMARY

In summary, PNG's fuel procurement practices are designed to meet the natural gas requirements of its firm customers following a least cost procurement strategy, providing secure and reliable supplies and promoting price stability. PNG utilizes several risk management software applications, a diverse portfolio, and the resident knowledge of its employees to meet these objectives in a least cost manner. However, PNG recognizes there is always room for further improvement. As outlined earlier in this section, PNG will continue to seek out new solutions to better achieve the stated procurement goals.

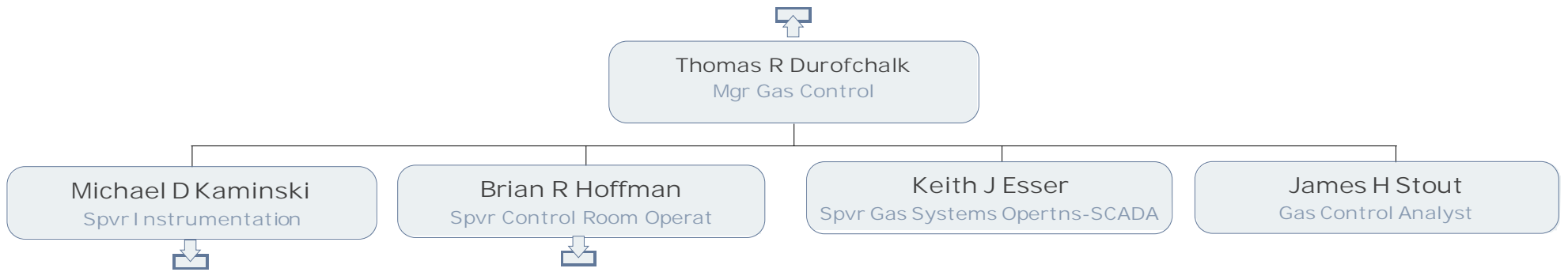
UGI Utilities, Inc.
Organization Chart
April 2016



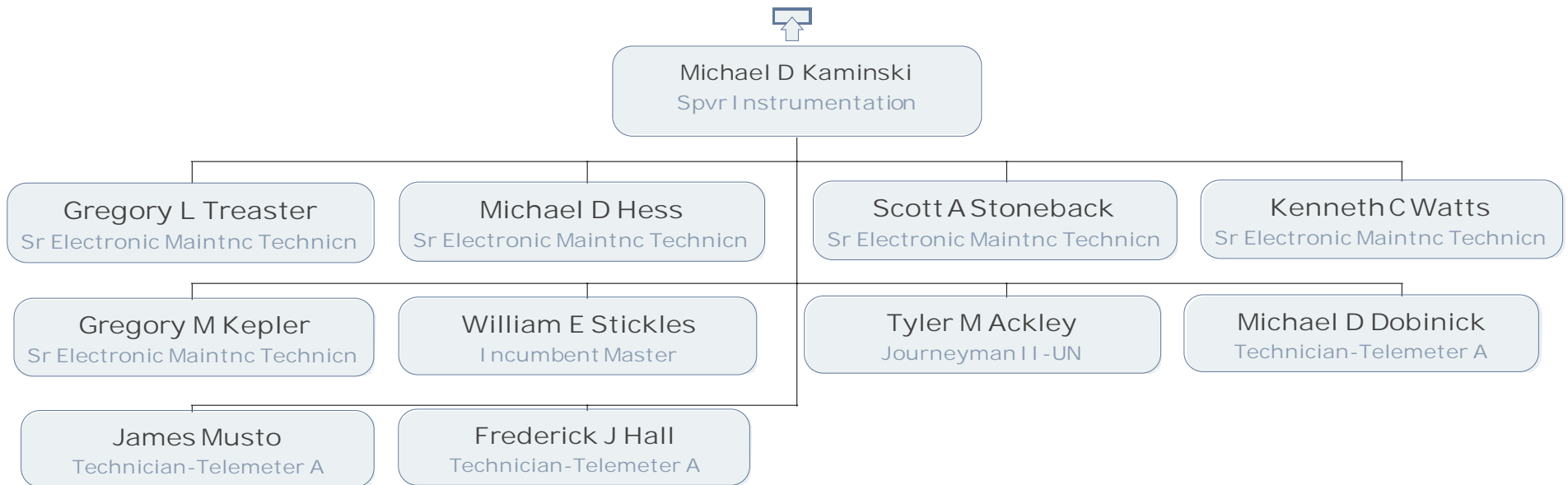
UGI Utilities, Inc.
Organization Chart
April 2016



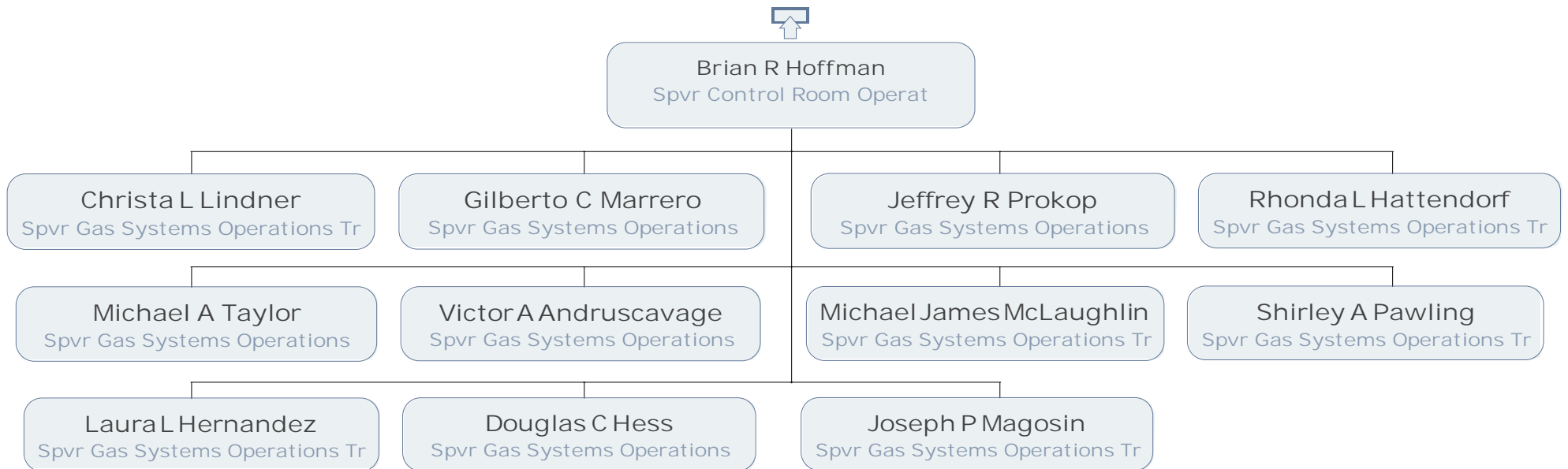
UGI Utilities, Inc.
Organization Chart
April 2016



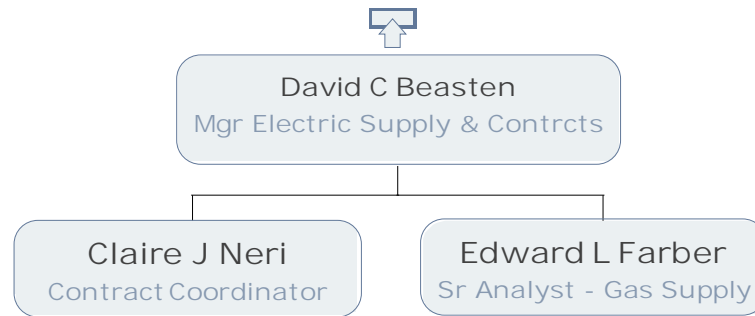
UGI Utilities, Inc.
Organization Chart
April 2016



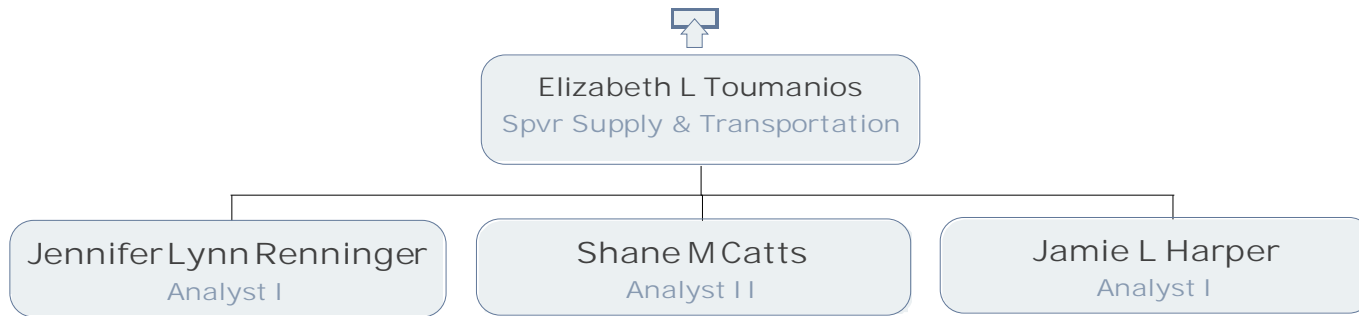
UGI Utilities, Inc.
Organization Chart
April 2016



UGI Utilities, Inc.
Organization Chart
April 2016



UGI Utilities, Inc.
Organization Chart
April 2016



UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 6 [52 Pa. Code §53.64(c)(7)] OFF-SYSTEM SALES

A list of off system sales, including transportation, storage or capacity releases by the utility at less than the weighted average price of gas, or at less than the original contract cost of transportation, storage or capacity supplied to the utility for its own customers.

RESPONSE:

Please refer to Attachments 1-A-1, 1-B-1 and 1-B-2.

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 7 [52 Pa. Code §53.64(c)(8)] TRANSPORTATION AGREEMENTS

Provide a list of agreements to transport gas by the utility through its system, for other utilities, pipelines, or jurisdictional customers including the quantity and price of the transportation.

RESPONSE:

PNG uses standard forms of contract for agreements with transportation customers. A copy of the standard form of agreement is attached as Attachment 7-1.

As of March 31, 2016, PNG is transporting gas for 605 large (non-choice) customers. Of these, 19 are served under Rate IS (Interruptible Service) – DSO (Delivery Service Option), 28 are served under Rate XD (Extended Large Volume Delivery Service), 107 are served under Rate LFD (Large Firm Delivery Service), with the remaining 451 customers served under Rate DS (Delivery Service Rider). In addition to these customer counts, PNG is transporting gas for 3,630 Choice transportation customers served under Rate RT (Residential transportation) and 3,917 Choice transportation customers served under Rate NT (Non-Residential Transportation).

PNG Gas Tariff - PA P.U.C. No. 8 contains the tariff pages of PNG's currently effective Transportation Rate Schedules. Pricing information is included in each Rate Schedule within the Rate Table Section. The PNG tariff may be accessed on the web at <http://www.ugi.com/png/>.

The total volume transported by PNG for the 12 months ending March 31, 2016, is shown on Attachment 1-C-1.

RATE DS SERVICE AGREEMENT

_____, a _____ Corporation/Partnership/Sole Proprietorship ("Customer") and UGI Penn Natural Gas, Inc., a Pennsylvania Corporation ("UGI PNG"), intending to be legally bound hereby, enter into this Agreement (the "Agreement") this ____ day of _____, 20__.

1. Tariff Provisions – UGI Penn Natural Gas Tariff Pa. P.U.C. No. 8 ("Tariff"), UGI PNG's Nomination Procedure ("Nomination Procedure") and any effective amendments to the Tariff and Nomination Procedure during the term of this Agreement, specify rules for Rate DS service, are incorporated herein by reference and supersede any inconsistent provisions of this Agreement.

2. Term - This Agreement shall become effective on the date first above written and shall continue in full force and effect for one year. This Agreement shall automatically renew for a term of one year unless terminated at the end of the primary or any renewal term by ninety (90) days' prior written notice.

In consideration of the rates and other service conditions specified herein and in the Tariff, during the full term of this Agreement Customer shall (a) acquire its full firm gaseous fuel delivery requirements from UGI PNG and (b) not apply, or cause others to apply, for gaseous fuel delivery service commencing during or after the term of this Agreement unless (a) the entity is authorized by a blanket certificate or otherwise by the Federal Energy Regulatory Commission to provide such service or (b) the entity has obtained a ruling or Certificate of Public Convenience from the Pennsylvania Public Utility Commission or other regulatory or judicial body having jurisdiction that the provision of such service is permissible.

3. Service to be Provided - Subject to the terms of this Agreement, for each twenty-four hour period generally commencing at 10:00 a.m. during the term of the Agreement (a "Gas Day"), UGI PNG shall transport between the Pipeline Delivery Point(s) and the Destination Point(s) stated below the volumes of natural gas nominated properly by Customer, less retainage for UGI PNG system use and losses up to Customer's elected Maximum Daily Quantity ("MDQ").:

Pipeline Delivery Point(s) – Any approved pipeline interconnect on UGI PNG's system (May be modified upon 30 days written notice subject to acceptance by UGI PNG.)

Destination Point(s) – _____

Customer's MDQ shall be _____ Mcf per Gas Day.

4. Nomination and Delivery - Customer shall nominate and deliver the volumes of natural gas to the Pipeline Delivery Point(s) for each Gas Day. Applicable nomination rules are set forth in UGI PNG's Nomination Procedures. UGI PNG reserves the right to make changes to Nomination Procedures at its sole discretion.

5. Daily Balancing - Customer shall use its best efforts to balance its nominated deliveries to the Pipeline Delivery Point(s), less retainage for UGI PNG system use and losses, with its withdrawals at the Destination Point(s) on a daily basis. If Customer is not served through daily metering facilities, UGI PNG shall provide and Customer shall pay for UGI PNG No-Notice Service ("NNS") to accommodate inadvertent daily imbalances. If Customer is served through daily metering facilities, Customer elects the NNS option set forth in Appendix A hereto to accommodate inadvertent daily imbalances up to and including Customer's MDQ. Daily imbalances that exceed Tariff limitations shall be assessed charges specified in the Tariff.

6. Monthly Balancing - Customer shall balance its nominated deliveries to the Pipeline Delivery Point(s), less retainage for UGI PNG system use and losses, to its withdrawals at the Destination Point(s) on a monthly basis. Inadvertent monthly imbalances shall be cashed-in/cashed-out as specified in the Tariff except to the extent Customer elects UGI PNG Monthly Balancing Service ("MBS") for inadvertent monthly imbalances and the inadvertent monthly imbalances can be accommodated under the terms and conditions specified in the Tariff for MBS. Monthly imbalances that exceed Tariff limitations shall be assessed charges specified in the Tariff.

Customer hereby does/does not (circle one) elect MBS.

7. Measurement and Billing - UGI PNG shall bill Customer on a monthly basis for Rate DS and, if applicable, Rate NNS and Rate MBS service. Upstream transportation and balancing provider(s)' and UGI PNG records shall determine volumes delivered by Customer to the Pipeline Delivery Point(s), and UGI PNG measuring facilities shall determine volumes delivered to the Destination Point(s). For billing purposes, all gas consumed shall be corrected to standard conditions of 14.73 pounds per square inch, absolute pressure, and a temperature of sixty (60) degrees Fahrenheit.

8. Warranties and Indemnification - Customer warrants that (a) it shall have good title to all gas delivered to UGI PNG, (b) such gas shall be free of all liens or encumbrances of any kind, (c) gas delivered to upstream transporters shall be of

sufficient pressure, heating quality and other physical qualities so that any upstream transporter shall receive and transport it and (d) Customer is an eligible end-user of gas to be transported hereunder and shall conform to all applicable Federal Energy Regulatory Commission and upstream service provider rules and regulations. Customer shall hold UGI PNG and each of its officers, employees, successors and assigns harmless from any claim (including reasonable attorney's fees in defense thereof or required to enforce this provision) arising out of Customer's breach of this Agreement or any of Customer's warranties hereunder.

9. Service Interruptions and Force Majeure - UGI PNG's transportation of gas hereunder is on a best efforts basis, may be interrupted to comply with governmental requirements and shall only be provided to the extent UGI PNG determines, in its sole judgment, that adequate transportation and delivery capacity is available on UGI PNG's system and the system of any third party necessary to deliver gas to Customer. UGI PNG and Customer shall not be liable to the other for any act of omission hereunder caused by an event not reasonably within the control of the party and which by the exercise of due diligence such party is unable to prevent or overcome (a "Force Majeure"). If Customer is unable to take deliveries of gas because of a Force Majeure event, it shall nonetheless be responsible for all customer charges and all commodity charges for gas actually received during the Force Majeure event. A party claiming Force Majeure shall provide prompt written notice to the other party of the date of the Force Majeure event and its cause and probable duration.

10. Notices - Notices under this Agreement, unless changed by written notice, shall be delivered as follows:

to <u>UGI PNG</u> at:	to <u>Customer</u> at:
P.O. Box 12677	_____
Reading, PA 19612-2677	_____
For Interruption:	Telephone: _____
Telephone: (610) 736-5528	Fax: _____
Fax: (610) 926-0724	
For Service:	
Telephone: Key Accounts _____	

11. Other Provisions - Customer may not assign this Agreement without the prior written consent of UGI PNG; the failure by UGI PNG to enforce any provision of this Agreement shall not constitute a waiver of such provision or of the right of UGI PNG to avail itself of any remedy for the breach of such provision; this Agreement may only be modified in writing duly executed by the parties; and this Agreement shall constitute the entire agreement between the parties regarding the subject matter therein and shall supersede any previous agreements or communications, whether written or oral.

12. Counterparts - This Agreement may be executed in multiple counterparts, each of which shall be deemed an original, and all of which together shall constitute one and the same instrument. The delivery of an executed counterpart of this Agreement by e-mail delivery of a ".pdf" format data file shall be deemed to be valid delivery thereof. In the event that any signature is delivered by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing with the same force and effect as if such ".pdf" signature page were an original thereof.

The parties have accordingly executed this Agreement the day and year first above written.

By: _____
Name Printed : _____
Title: _____

UGI Penn Natural Gas, Inc.
By: _____
Robert Stoyko
Vice President

APPENDIX A

NO NOTICE ALLOWANCE AGREEMENT

NO NOTICE SERVICE RATE NNS

(Reference: UGI Penn Natural Gas Tariff pages 64 and 65)

Customer understands that a No Notice Allowance is an optional, fee based service. Further, Customer understands that the election of a No Notice Allowance is for a twelve (12) month period, or until the Agreement anniversary date, whichever is shorter.

Customer understand that the No Notice Allowance will automatically renew at the same elected level unless written notice of change or termination is provided to the company 30 days prior to the Agreement anniversary date.

Please check one:

_____ Customer elects No Notice Allowance of _____ Mcf (must be at least 2.5% of Customer's MDQ and no higher than Customer's MDQ)

_____ Customer elects to decline to purchase a No Notice Allowance and will balance under General Terms for Delivery Service for Rates DS, LFD, XD, and IS as desired on page 44, Section 16.3 (b).

ACCEPTED AND APPROVED:

Signed: _____

Name: _____
(please type or print)

Company: _____

Address: _____

Date: _____

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 8 [52 Pa. Code §53.64(C) (9)] END-USER TRANSPORTATION VOLUME

Provide a schedule depicting historic monthly end-user transportation throughput by customer. Each customer or account shall be identified solely by a unique alphanumeric code, the key to which may be provided subject to the provisions of 52 Pa. Code §5.423 (relating to orders to limit availability or proprietary information).

RESPONSE:

The total historic monthly end-user transportation throughput is listed in Attachment 1-C-1. As of March 31, 2016, PNG serves 8,152 transportation customers. Of this count, 7,547 are served under the customer choice program while the remaining 605 customers are larger transportation customers.

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 9 [52 Pa. Code §53.64(c)(10)] SYSTEM MAP

Provide a schematic system map, locating and identifying by name, the pressure and capacity of all interstate or intrastate transmission pipeline connections, compressor stations, utility transmission or distribution mains 6 inches or larger in size, storage facilities, including maximum daily injection and withdrawal rates, production fields, and each individual supply or transportation customer which represents 5% or more of total system throughput in a month.

RESPONSE:

In light of the security concerns reflected in the Commission's Workplace Security Survey at Docket No. M-00021590, PNG has not included system maps in this filing, but would consider providing such maps to parties upon the issuance of an appropriate Commission order.

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 10 [Pa. Code §53.64(c)(11)] RATE STRUCTURE CHANGES

If any rate structure or rate allocation changes are to be proposed, a detailed explanation of each proposal reasons therefore, number of customers affected, net effect on each customer class, and how the change relates to or is justified by changes in gas costs proposed in the 1307(f) tariff filing. Explain how gas supply, transportation and storage capacity costs are allocated to customers who are primarily non-heating, interruptible or transportation customers.

RESPONSE:

At this time, PNG is not proposing any rate structure or rate allocation changes. If any changes are proposed, they will be included in the Direct Testimony submitted with our June 1, 2016 PGC Tariff Filing or in a separate filing.

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 11 [§53.64(c)(12); (13); and (14)]PEAK DAY

Provide a schedule depicting the most recent 5-year consecutive 3-day peak data by customer class (or other historic peak day data used for system planning), daily volumetric throughput by customer class (including end-user transportation throughput), gas interruptions and high, low and average temperature during each day. Include identification and support for any peak day methodology used to project future gas demands and studies supporting the validity of the methodology. Provide analysis and data demonstrating, on an historic and projected future basis, the minimum gas entitlements needed to provide reliable and uninterrupted service to priority one customers during peak periods.

RESPONSE:

Historic Peak Day Data

See attachment 11-1, page 1 & 2 for PNG's historic 5-year consecutive 3-day peak data.

Methodology Used for Developing Projected Peak Day

The methodology currently utilized by PNG to develop peak day temperatures was approved as part of the 2007 PGC comprehensive settlement at Docket No.R-00072334. Since there is a direct relationship between demand and temperature, PNG begins the development of the projected firm peak demand by determining the projected peak day temperature. Consistent with the settlement agreement language, PNG's design day temperature is derived by adding 1.0 degree to the coldest 24 hour temperature observed over the 30 year period (1985-2014) in PNG's hourly temperature database. (The coldest 24-hour temperature recorded in this period was minus 7.0 degrees Fahrenheit.) This calculation produces a design day temperature of minus 6.0 degrees Fahrenheit. Also, consistent with the provisions of the settlement, PNG will utilize a wind speed factor in the design day methodology which is equivalent to a 2.0 degree Fahrenheit heating demand impact.

With the design day temperature calculated, PNG then develops a firm sendout equation using a linear regression analysis. Historical daily firm sendout is regressed against historical daily mean temperatures for each of the historical winter heating seasons. The firm sendout is determined by subtracting the large transportation customers' sendout from the total measured sendout and then adding back the daily firm requirement (DFR) for the large firm customers on a peak day. The peak day temperature and the 2 degree Fahrenheit wind speed factor are then used in the historical firm equations to determine the historical firm peak day demand for each of the historical winters. Once PNG has a historical firm peak demand, PNG adjusts this number for known and projected changes in firm requirements. These changes can include actual or projected increases or decreases in customer counts and actual or projected increases or decreases in customers' firm daily requirements. For more specific detail for this year, please refer to PNG's direct testimony.

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

Projected Peak Day Demand for the 2016-2017 Winter

PNG's design firm peak day projection for the upcoming 2016-2017 winter is 634.6 Mdth per day.

<u>UGI PENN NATURAL GAS</u>								
<u>EXPERIENCED 3-DAY PEAK PERIODS</u>								
WINTER SEASON	DAY OF WEEK	DATE		VOLUME (MDTH)	MEAN TEMP	HIGH TEMP	LOW TEMP	CUSTOMER INTERRUPTIONS
2011-2012	FRIDAY	JANUARY 13		240.4	23	26	21	NONE
	SATURDAY	JANUARY 14		241.8	19	29	8	NONE
	SUNDAY	JANUARY 15		277.0	12	19	6	NONE
		TOTAL		759.2				
2012-2013	TUESDAY	JANUARY 22		332.2	8	14	3	1 Pressure Related
	WEDNESDAY	JANUARY 23	PEAK DAY	339.2	6	14	1	1 Pressure Related
	THURSDAY	JANUARY 24		332.7	11	18	6	1 Pressure Related
		TOTAL		1,004.1				
2013-2014	WEDNESDAY	JANUARY 22		365.6	3	9	-2	10 Pressure Related and 1 FULL IS
	THURSDAY	JANUARY 23		353.1	8	14	2	10 Pressure Related and 1 FULL IS
	FRIDAY	JANUARY 24		325.0	15	17	10	10 Pressure Related and 1 FULL IS
		TOTAL		1,043.7				
2014-2015	SUNDAY	FEBRUARY 15	PEAK DAY	387.1	1	7	-4	8 Pressure Related and 3 FULL IS
	MONDAY	FEBRUARY 16		362.8	10	13	5	7 Pressure Related and 1 FULL IS
	TUESDAY	FEBRUARY 17		342.1	13	23	1	2 Pressure Related and 0 FULL IS
		TOTAL		1,092.0				
2015-2016	FRIDAY	FEBRUARY 12		319.5	16	19	10	0 Pressure Related and 1 FULL IS
	SATURDAY	FEBRUARY 13	PEAK DAY	365.9	2	10	-5	1 Pressure Related and 6 FULL IS
	SUNDAY	FEBRUARY 14		350.8	7	16	0	1 Pressure Related and 6 FULL IS
		TOTAL		1,036.2				

UGI PENN NATURAL GAS															
ESTIMATED SENDOUT BY RATE CLASS															
	2011-2012			2012-2013			2013-2014			2014-2015			2015-2016		
	JAN 13	JAN 14	JAN 15	JAN 22	JAN 23	JAN 24	JAN 22	JAN 23	JAN 24	FEB 15	FEB 16	FEB 17	FEB 12	FEB 13	FEB 14
	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)	(MDTH)
RG	0.8	0.8	0.9	1.2	1.2	1.1	1.1	1.0	1.0	1.1	1.0	0.9	1.1	1.4	1.3
RH	101.4	102.0	117.6	154.3	155.5	149.0	163.6	154.0	142.0	187.3	162.9	145.1	138.4	177.6	164.2
CG	0.8	0.8	1.0	1.2	1.2	1.1	1.2	1.1	1.0	1.1	0.9	0.8	1.1	1.4	1.3
CH	29.7	29.9	34.5	41.6	41.9	40.1	47.7	44.9	41.4	51.0	44.3	39.5	38.8	49.8	46.0
IG	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
IH	0.5	0.5	0.6	0.8	0.8	0.7	0.8	0.8	0.7	1.0	0.8	0.8	0.7	0.9	0.9
PGC FIRM	133.4	134.2	154.7	199.2	200.6	192.3	214.6	202.0	186.3	241.6	210.2	187.3	180.2	231.2	213.7
Commercial	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Commercial Heat	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Industrial	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Public Authority	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RT (CHOICE)	0.5	0.5	0.5	0.8	0.8	0.8	1.6	1.7	1.7	1.9	1.8	1.7	2.5	2.5	2.5
NT (CHOICE)	11.3	11.3	11.3	14.4	14.6	14.7	14.7	14.8	14.9	13.4	13.3	12.4	13.5	13.5	13.5
BD/BDL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DS	14.2	14.3	16.5	20.7	21.0	21.5	23.7	25.6	20.4	23.7	27.7	24.3	20.6	22.2	22.3
LFD	22.0	22.1	25.5	23.8	23.9	23.3	24.2	22.9	19.9	21.4	23.1	22.6	20.3	20.7	21.1
XD-F/CDS-F	54.0	54.3	62.6	66.9	72.1	74.2	85.2	84.7	80.6	84.3	86.2	91.1	78.5	72.9	75.2
FIRM TRANSPORTATION	102.0	102.5	116.4	126.5	132.3	134.5	149.4	149.7	137.4	144.8	152.0	152.1	135.4	131.8	134.6
INTERRUPTIBLE	5.1	5.1	5.9	6.5	6.3	6.0	1.6	1.4	1.3	0.7	0.5	2.7	4.0	2.9	2.5
TOTAL	240.4	241.8	277.0	332.2	339.2	332.7	365.6	353.1	325.0	387.1	362.8	342.1	319.5	365.9	350.8

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 12 [Pa. Code 53.64(i)(1)] PGC REVENUE/EXPENSE

Thirty days prior to the filing of a tariff reflecting increases or decreases in purchased gas expenses, gas utilities under 66 Pa. C.S. 1307(f) recovering expenses under that section must file a statement for the 12-month period ending 2 months prior to the filing date under 66 Pa. C.S. 1307(f) as published in accordance with subsection (b) which shall specify:

- (i) The total revenues received under 66 Pa. C.S. 1307 (a), (b), or (f) including all fuel revenues received, whether shown on the bill as 66 Pa. C.S. 1307 (a), (b), or (f) charges or rolled in as base rates.
- (ii) The total purchased gas expenses incurred.
- (iii) The difference between the amounts in subparagraph (i) and (ii).
- (iv) Evidence explaining how actual costs incurred differ from the costs allowed under subparagraph (ii).
- (v) How these costs are consistent with a least cost procurement policy as required by 66 Pa. C.S. 1318 (relating to determination of just and reasonable natural gas rates).

RESPONSE:

- (i) Please refer to Attachment 12-1.
- (ii) Please refer to Attachment 12-1.
- (iii) Please refer to Attachment 12-1.
- (iv) For the historic year ending March 31, 2016, purchased gas costs exceeded purchased gas revenues by \$0.2 MM. This undercollection is primarily attributable to the increased cost of purchased gas incurred as compared to PGC revenue received.
- (v) For the explanation of consistency with least cost procurement policy, see Sections 3, 5, and 13.

ATTACHMENT 12-1

UGI PENN NATURAL GAS, INC.
PGC: REVENUE; EXPENSE; OVERCOLLECTION
HISTORIC YEAR ENDING MARCH 31, 2016

2015 -- 2016	REVENUE \$	COST \$	(UNDER)/OVER COLLECTION \$
APRIL	\$ 10,033,439	\$ 5,236,130	\$ 4,797,309
MAY	\$ 3,575,653	\$ 2,861,882	\$ 713,771
JUNE	\$ 1,783,513	\$ 2,493,983	\$ (710,470)
JULY	\$ 1,200,798	\$ 2,130,750	\$ (929,952)
AUGUST	\$ 1,075,078	\$ 2,525,690	\$ (1,450,612)
SEPTEMBER	\$ 1,157,048	\$ 3,156,179	\$ (1,999,131)
OCTOBER	\$ 2,068,691	\$ 3,872,023	\$ (1,803,332)
NOVEMBER	\$ 4,207,968	\$ 5,285,987	\$ (1,078,019)
DECEMBER	\$ 7,349,986	\$ 8,105,868	\$ (755,882)
JANUARY	\$ 11,071,393	\$ 11,921,980	\$ (850,587)
FEBRUARY	\$ 12,243,366	\$ 9,968,610	\$ 2,274,756
MARCH	\$ 9,372,015	\$ 7,826,680	\$ 1,545,335
	<u>\$ 65,138,948</u>	<u>\$ 65,385,762</u>	<u>\$ (246,814)</u>

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 13 [52 Pa. Code §53.65] AFFILIATED PURCHASES

Special provisions relating to natural gas distributors with gross intrastate annual operating revenues in excess of \$40 million with affiliated interests.

Whenever a gas utility under 66 Pa.C.S. §1307(f) (relating to sliding scale of rates; adjustments) purchases gas, transportation or storage from an affiliated interest, as defined at 66 Pa.C.S. §2101 (relating to definitions of affiliated interest), it shall, in addition to the normal submission expected of a gas utility under 66 Pa.C.S. §1307(f) file evidence to meet its burden under 66 Pa.C.S. §1317(b) (relating to regulation of natural gas costs). The evidence, to be filed 60 days prior to the filing of a tariff under 66 Pa.C.S. §1307(f) shall include, but not be limited to, statements regarding:

- (1) The costs of the affiliated gas, transportation or storage as compared to the average market price of other pipeline gas, transportation or storage and the price of other sources of gas, transportation or storage.
- (2) Estimates of the quantity of gas, transportation or storage available to the utility from all sources.
- (3) Efforts made by the utility to obtain gas, transportation or storage from non-affiliated interests.
- (4) The specific reasons why the utility has purchased gas, transportation or storage from an affiliated interest and demonstration that the purchases are consistent with a least cost fuel procurement policy.
- (5) The sources and amounts of gas, transportation or storage which have been withheld from the market by utility or affiliated interest and the reasons why the gas, transportation or storage has been withheld.
- (6) To the extent that the information required in this section has been submitted under §53.64 (relating to filing requirements for natural gas distributors with gross intrastate annual operating revenues in excess of \$40 million) the utility need only designate information which applies to affiliated interests.

RESPONSE:

Attachment 13-1 provides the quantities and price of natural gas purchased from UGI Utilities, UGI Central Penn Gas, and UGI Energy Services during the 12-month period ending March 31,

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

2016. All purchase points listed as “Storage Refill” relate to storage gas purchased pursuant to PNG’s Storage Contract Administration Agreement with UGI Energy Services.

PNG also has firm delivered supply and peaking contracts with UGI Energy Services which are shown on Attachment 1-A-1 on the line items labeled “UGIES FIRM DELIVERED SUPPLY” and “UGIES PEAKING SERVICE DEMAND” and on Attachments 1-B-1 and 1-B-2 on the line items labeled “UGI ES Delivered Supply” and “UGI ES Peak SVC”.

Additionally, PNG sells firm delivered supply to UGI Utilities and UGI Central Penn Gas. The revenue received for these supply contracts is included on Attachment 1-A-1 on the line item labeled “Capacity Release / Incentive Sharing” and on Attachments 1-B-1 and 1-B-2 on the line item labeled “Non-Choice Cap Rel/Sharing Mech Credit”.

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
April-15					
UGI Central Penn	Transco Z6NonNY	23-Apr-15	23-Apr-15	3,928	\$2.6543
UGI Energy Services	Transco Z6NonNY	1-Apr-15	30-Apr-15	412,467	\$2.2300
UGI Energy Services	Uniondale Direct Connect	1-Apr-15	30-Apr-15	5,575	\$1.3809
UGI Energy Services	Storage Refill	1-Apr-15	30-Apr-15	11,978	\$2.5864
UGI Energy Services	Uniondale Direct Connect	2-Apr-15	2-Apr-15	19,600	\$1.6250
UGI Energy Services	Uniondale Direct Connect	10-Apr-15	10-Apr-15	14,000	\$1.3450
UGI Energy Services	Uniondale Direct Connect	11-Apr-15	13-Apr-15	14,145	\$1.8250
UGI Energy Services	Uniondale Direct Connect	11-Apr-15	13-Apr-15	22,433	\$1.8250
UGI Energy Services	Uniondale Direct Connect	12-Apr-15	12-Apr-15	2,535	\$1.8250
UGI Energy Services	Uniondale Direct Connect	14-Apr-15	14-Apr-15	4,715	\$2.0900
UGI Energy Services	Uniondale Direct Connect	15-Apr-15	15-Apr-15	4,715	\$2.2300
UGI Energy Services	Uniondale Direct Connect	16-Apr-15	16-Apr-15	4,715	\$2.2850
UGI Energy Services	Transco Z6NonNY	21-Apr-15	21-Apr-15	4,715	\$2.2350
UGI Energy Services	Uniondale Direct Connect	22-Apr-15	22-Apr-15	4,715	\$2.5150
UGI Energy Services	Uniondale Direct Connect	22-Apr-15	22-Apr-15	14,850	\$2.5150
UGI Energy Services	Uniondale Direct Connect	23-Apr-15	23-Apr-15	4,715	\$2.5600
UGI Energy Services	Uniondale Direct Connect	23-Apr-15	23-Apr-15	10,750	\$2.5600
UGI Energy Services	Uniondale Direct Connect	23-Apr-15	23-Apr-15	3,928	\$2.5600
UGI Energy Services	Uniondale Direct Connect	24-Apr-15	24-Apr-15	4,715	\$2.5750
UGI Energy Services	Uniondale Direct Connect	24-Apr-15	24-Apr-15	3,928	\$2.5750
UGI Energy Services	Uniondale Direct Connect	24-Apr-15	24-Apr-15	10,400	\$2.5750
UGI Energy Services	Uniondale Direct Connect	25-Apr-15	27-Apr-15	14,145	\$2.2000
UGI Energy Services	Uniondale Direct Connect	25-Apr-15	27-Apr-15	43,650	\$2.2000
UGI Energy Services	Transco Z6NonNY	28-Apr-15	28-Apr-15	4,715	\$2.4950
UGI Energy Services	Uniondale Direct Connect	28-Apr-15	28-Apr-15	14,767	\$2.4950
UGI Energy Services	Transco Z6NonNY	29-Apr-15	29-Apr-15	4,715	\$2.4100
UGI Energy Services	Uniondale Direct Connect	29-Apr-15	29-Apr-15	14,000	\$2.4100
UGI Energy Services	Uniondale Direct Connect	30-Apr-15	30-Apr-15	13,850	\$2.4300
UGI Utilities	Transco Zone 6 Receipt	1-Apr-15	30-Apr-15	15,060	\$1.1050
May-15					
UGI Energy Services	Transco Z6NonNY	1-May-15	1-May-15	2,589	\$2.6050
UGI Energy Services	Transco Z6NonNY	1-May-15	31-May-15	428,327	\$2.2400
UGI Energy Services	Uniondale Direct Connect	1-May-15	31-May-15	499	\$1.3433
UGI Energy Services	Storage Refill	1-May-15	31-May-15	11,978	\$2.5134
UGI Energy Services	Transco Z6NonNY	2-May-15	4-May-15	13,890	\$2.6400
UGI Energy Services	Transco Z6NonNY	5-May-15	5-May-15	4,630	\$2.7550
UGI Energy Services	Transco Z6NonNY	6-May-15	6-May-15	4,631	\$2.8100
UGI Energy Services	Transco Z6NonNY	7-May-15	7-May-15	4,631	\$2.7950
UGI Energy Services	Transco Z6NonNY	8-May-15	8-May-15	4,570	\$2.8000
UGI Energy Services	Transco Z6NonNY	9-May-15	11-May-15	13,893	\$2.8200
UGI Energy Services	Transco Z6NonNY	12-May-15	12-May-15	4,631	\$2.9900
UGI Energy Services	Transco Z6NonNY	13-May-15	13-May-15	4,631	\$2.9050
UGI Energy Services	Transco Z6NonNY	14-May-15	14-May-15	4,631	\$2.8600

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Energy Services	Transco Z6NonNY	15-May-15	15-May-15	4,631	\$2.6450
UGI Energy Services	Uniondale Direct Connect	15-May-15	15-May-15	559	\$1.3151
UGI Energy Services	Transco Z6NonNY	16-May-15	18-May-15	13,893	\$2.6400
UGI Energy Services	Transco Z6NonNY	19-May-15	19-May-15	4,631	\$3.0450
UGI Energy Services	Uniondale Direct Connect	19-May-15	19-May-15	441	\$1.4859
UGI Energy Services	Transco Z6NonNY	20-May-15	20-May-15	4,631	\$3.1350
UGI Energy Services	Uniondale Direct Connect	20-May-15	20-May-15	537	\$1.5964
UGI Energy Services	Transco Z6NonNY	21-May-15	21-May-15	4,631	\$2.6500
UGI Energy Services	Uniondale Direct Connect	21-May-15	21-May-15	1,528	\$1.4608
UGI Energy Services	Transco Z6NonNY	22-May-15	22-May-15	4,632	\$2.0050
UGI Energy Services	Uniondale Direct Connect	22-May-15	22-May-15	1,537	\$1.2950
UGI Energy Services	Uniondale Direct Connect	23-May-15	26-May-15	6,098	\$1.2398
UGI Energy Services	Transco Z6NonNY	23-May-15	26-May-15	18,520	\$2.1650
UGI Energy Services	Transco Z6NonNY	27-May-15	27-May-15	4,631	\$2.9100
UGI Energy Services	Uniondale Direct Connect	27-May-15	27-May-15	1,510	\$1.4056
UGI Energy Services	Transco Z6NonNY	28-May-15	28-May-15	4,632	\$2.8550
UGI Energy Services	Uniondale Direct Connect	28-May-15	28-May-15	1,114	\$1.4307
UGI Energy Services	Transco Z6NonNY	29-May-15	31-May-15	13,896	\$2.1650
UGI Energy Services	Uniondale Direct Connect	29-May-15	31-May-15	3,617	\$1.2548
UGI Utilities	Transco Zone 6 Receipt	1-May-15	31-May-15	15,562	\$1.0250
June-15					
UGI Energy Services	Transco Z6NonNY	1-Jun-15	1-Jun-15	4,580	\$2.3150
UGI Energy Services	Transco Z6NonNY	1-Jun-15	30-Jun-15	414,510	\$2.5200
UGI Energy Services	Uniondale Direct Connect	1-Jun-15	30-Jun-15	150,000	\$1.1900
UGI Energy Services	Uniondale Direct Connect	1-Jun-15	30-Jun-15	23,000	\$1.0331
UGI Energy Services	Storage Refill	1-Jun-15	30-Jun-15	11,978	\$2.8114
UGI Energy Services	Transco Z6NonNY	2-Jun-15	2-Jun-15	4,580	\$2.4000
UGI Energy Services	Transco Z6NonNY	3-Jun-15	3-Jun-15	4,580	\$2.0150
UGI Energy Services	Transco Z6NonNY	4-Jun-15	4-Jun-15	4,580	\$1.8250
UGI Energy Services	Transco Z6NonNY	5-Jun-15	5-Jun-15	4,580	\$1.6250
UGI Energy Services	Transco Z6NonNY	6-Jun-15	8-Jun-15	13,606	\$1.5800
UGI Energy Services	Transco Z6NonNY	9-Jun-15	9-Jun-15	4,580	\$2.7650
UGI Energy Services	Transco Z6NonNY	10-Jun-15	10-Jun-15	4,580	\$2.9650
UGI Energy Services	Transco Z6NonNY	11-Jun-15	11-Jun-15	4,580	\$3.0000
UGI Energy Services	Transco Z6NonNY	12-Jun-15	12-Jun-15	4,580	\$2.9200
UGI Energy Services	Transco Z6NonNY	13-Jun-15	15-Jun-15	13,740	\$2.6800
UGI Energy Services	Transco Z6NonNY	16-Jun-15	16-Jun-15	4,580	\$2.9950
UGI Energy Services	Transco Z6NonNY	17-Jun-15	17-Jun-15	4,580	\$3.0150
UGI Energy Services	Transco Z6NonNY	18-Jun-15	18-Jun-15	4,580	\$2.8300
UGI Energy Services	Transco Z6NonNY	19-Jun-15	19-Jun-15	4,580	\$2.7550
UGI Energy Services	Transco Z6NonNY	24-Jun-15	24-Jun-15	4,580	\$2.9150
UGI Energy Services	Uniondale Direct Connect	25-Jun-15	25-Jun-15	11,000	\$1.1150
UGI Energy Services	Transco Z6NonNY	25-Jun-15	25-Jun-15	4,580	\$2.6800
UGI Energy Services	Uniondale Direct Connect	26-Jun-15	26-Jun-15	9,000	\$1.0250
UGI Energy Services	Transco Z6NonNY	26-Jun-15	26-Jun-15	4,580	\$2.3250

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Energy Services	Transco Z6NonNY	27-Jun-15	29-Jun-15	9,000	\$1.6150
UGI Energy Services	Uniondale Direct Connect	27-Jun-15	29-Jun-15	24,000	\$1.0400
UGI Energy Services	Transco Z6NonNY	30-Jun-15	30-Jun-15	1,000	\$2.1000
UGI Utilities	Transco Zone 6 Receipt	1-Jun-15	30-Jun-15	13,554	\$1.2504
July-15					
UGI Energy Services	Transco Z6NonNY	1-Jul-15	1-Jul-15	4,580	\$2.0600
UGI Energy Services	Storage Refill	1-Jul-15	31-Jul-15	11,978	\$2.7694
UGI Energy Services	Transco Z6NonNY	1-Jul-15	31-Jul-15	426,232	\$2.1400
UGI Energy Services	Uniondale Direct Connect	1-Jul-15	31-Jul-15	139,500	\$1.0900
UGI Energy Services	Uniondale Direct Connect	1-Jul-15	31-Jul-15	20,750	\$1.0873
UGI Energy Services	Transco Z6NonNY	2-Jul-15	2-Jul-15	4,580	\$1.5400
UGI Energy Services	Transco Z6NonNY	3-Jul-15	6-Jul-15	18,320	\$1.1400
UGI Energy Services	Transco Z6NonNY	7-Jul-15	7-Jul-15	4,580	\$2.1950
UGI Energy Services	Transco Z6NonNY	8-Jul-15	8-Jul-15	2,936	\$2.5600
UGI Energy Services	Transco Z6NonNY	9-Jul-15	9-Jul-15	4,580	\$2.3400
UGI Energy Services	Transco Z6NonNY	10-Jul-15	10-Jul-15	4,580	\$2.0750
UGI Energy Services	Transco Z6NonNY	11-Jul-15	13-Jul-15	13,740	\$2.0200
UGI Energy Services	Transco Z6NonNY	14-Jul-15	14-Jul-15	4,580	\$2.8150
UGI Energy Services	Transco Z6NonNY	15-Jul-15	15-Jul-15	4,580	\$2.1050
UGI Energy Services	Transco Z6NonNY	16-Jul-15	16-Jul-15	4,580	\$1.8350
UGI Energy Services	Transco Z6NonNY	17-Jul-15	17-Jul-15	4,580	\$1.6300
UGI Energy Services	Transco Z6NonNY	21-Jul-15	21-Jul-15	4,580	\$2.9500
UGI Energy Services	Transco Z6NonNY	22-Jul-15	22-Jul-15	4,580	\$2.1550
UGI Energy Services	Transco Z6NonNY	23-Jul-15	23-Jul-15	3,000	\$1.8700
UGI Energy Services	Transco Z6NonNY	24-Jul-15	24-Jul-15	4,580	\$1.7700
UGI Energy Services	Transco Z6NonNY	28-Jul-15	28-Jul-15	4,580	\$2.9400
UGI Energy Services	Transco Z6NonNY	29-Jul-15	29-Jul-15	4,580	\$2.9650
UGI Energy Services	Transco Z6NonNY	30-Jul-15	30-Jul-15	4,580	\$2.9900
UGI Utilities	Transco Zone 6 Receipt	1-Jul-15	31-Jul-15	15,060	\$1.1080
August-15					
UGI Energy Services	Storage Refill	1-Aug-15	31-Aug-15	11,978	\$2.8824
UGI Energy Services	Transco Z6NonNY	1-Aug-15	31-Aug-15	428,327	\$2.1400
UGI Energy Services	Uniondale Direct Connect	1-Aug-15	31-Aug-15	124,000	\$1.1100
UGI Energy Services	Transco Z6NonNY	1-Aug-15	31-Aug-15	82,881	\$2.8566
UGI Energy Services	Uniondale Direct Connect	1-Aug-15	31-Aug-15	39,379	\$0.9948
UGI Energy Services	Transco Z6NonNY	4-Aug-15	4-Aug-15	4,568	\$2.5350
UGI Energy Services	Transco Z6NonNY	5-Aug-15	5-Aug-15	2,000	\$2.1600
UGI Energy Services	Transco Z6NonNY	6-Aug-15	6-Aug-15	4,568	\$2.0250
UGI Energy Services	Transco Z6NonNY	7-Aug-15	7-Aug-15	4,568	\$1.8450
UGI Energy Services	Transco Z6NonNY	11-Aug-15	11-Aug-15	4,568	\$2.5300
UGI Energy Services	Transco Z6NonNY	12-Aug-15	12-Aug-15	1,000	\$2.6750
UGI Energy Services	Transco Z6NonNY	13-Aug-15	13-Aug-15	4,568	\$2.7600
UGI Energy Services	Transco Z6NonNY	18-Aug-15	18-Aug-15	4,568	\$2.8700
UGI Energy Services	Transco Z6NonNY	19-Aug-15	19-Aug-15	4,568	\$2.7050

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Energy Services	Transco Z6NonNY	20-Aug-15	20-Aug-15	4,568	\$2.6850
UGI Energy Services	Transco Z6NonNY	25-Aug-15	25-Aug-15	4,568	\$2.5950
UGI Energy Services	Transco Z6NonNY	26-Aug-15	26-Aug-15	4,568	\$2.5750
UGI Energy Services	Transco Z6NonNY	27-Aug-15	27-Aug-15	3,000	\$2.7150
UGI Energy Services	Transco Z6NonNY	29-Aug-15	31-Aug-15	13,704	\$2.0550
UGI Utilities	Transco Zone 6 Receipt	1-Aug-15	31-Aug-15	15,562	\$1.0674
September-15					
UGI Energy Services	Uniondale Direct Connect	1-Sep-15	1-Sep-15	304	\$0.9850
UGI Energy Services	Storage Refill	1-Sep-15	30-Sep-15	11,978	\$2.6344
UGI Energy Services	Uniondale Direct Connect	1-Sep-15	30-Sep-15	81,000	\$0.8500
UGI Energy Services	Transco Z6NonNY	1-Sep-15	30-Sep-15	414,510	\$2.2700
UGI Energy Services	Transco Z6NonNY	1-Sep-15	30-Sep-15	53,622	\$2.7024
UGI Energy Services	Uniondale Direct Connect	1-Sep-15	30-Sep-15	1,102	\$1.1509
UGI Energy Services	Transco Z6NonNY	2-Sep-15	2-Sep-15	1,000	\$2.8650
UGI Energy Services	Uniondale Direct Connect	2-Sep-15	2-Sep-15	304	\$0.9350
UGI Energy Services	Uniondale Direct Connect	3-Sep-15	3-Sep-15	304	\$1.0450
UGI Energy Services	Uniondale Direct Connect	4-Sep-15	4-Sep-15	304	\$1.0350
UGI Energy Services	Uniondale Direct Connect	5-Sep-15	8-Sep-15	1,216	\$1.0300
UGI Energy Services	Uniondale Direct Connect	9-Sep-15	9-Sep-15	62	\$1.2450
UGI Energy Services	Transco Z6NonNY	9-Sep-15	9-Sep-15	1,500	\$2.8350
UGI Energy Services	Transco Z6NonNY	10-Sep-15	10-Sep-15	1,500	\$2.5350
UGI Energy Services	Uniondale Direct Connect	11-Sep-15	11-Sep-15	23	\$1.0750
UGI Energy Services	Uniondale Direct Connect	12-Sep-15	14-Sep-15	120	\$1.1250
UGI Energy Services	Uniondale Direct Connect	15-Sep-15	15-Sep-15	70	\$1.2400
UGI Energy Services	Uniondale Direct Connect	16-Sep-15	16-Sep-15	70	\$1.2400
UGI Energy Services	Uniondale Direct Connect	17-Sep-15	17-Sep-15	227	\$1.2400
UGI Energy Services	Uniondale Direct Connect	18-Sep-15	18-Sep-15	227	\$1.2600
UGI Energy Services	Uniondale Direct Connect	19-Sep-15	21-Sep-15	570	\$1.0450
UGI Energy Services	Uniondale Direct Connect	22-Sep-15	22-Sep-15	224	\$1.1400
UGI Energy Services	Uniondale Direct Connect	23-Sep-15	23-Sep-15	410	\$1.0500
UGI Energy Services	Transco Z6NonNY	23-Sep-15	23-Sep-15	4,615	\$2.3650
UGI Energy Services	Uniondale Direct Connect	24-Sep-15	24-Sep-15	424	\$1.0750
UGI Energy Services	Transco Z6NonNY	24-Sep-15	24-Sep-15	4,615	\$2.3050
UGI Energy Services	Uniondale Direct Connect	25-Sep-15	25-Sep-15	368	\$1.0750
UGI Energy Services	Transco Z6NonNY	25-Sep-15	25-Sep-15	4,615	\$2.2250
UGI Energy Services	Uniondale Direct Connect	26-Sep-15	28-Sep-15	840	\$0.9650
UGI Energy Services	Uniondale Direct Connect	29-Sep-15	29-Sep-15	424	\$1.0650
UGI Energy Services	Transco Z6NonNY	29-Sep-15	29-Sep-15	1,500	\$2.0650
UGI Energy Services	Uniondale Direct Connect	30-Sep-15	30-Sep-15	242	\$1.0850
UGI Energy Services	Transco Z6NonNY	30-Sep-15	30-Sep-15	2,000	\$2.0150
UGI Utilities	Transco Zone 6 Receipt	1-Sep-15	30-Sep-15	4,518	\$1.2117
October-15					
UGI Energy Services	Storage Refill	1-Oct-15	31-Oct-15	11,978	\$2.5594
UGI Energy Services	Transco Z6NonNY	1-Oct-15	31-Oct-15	428,308	\$2.2700

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Energy Services	Uniondale Direct Connect	1-Oct-15	31-Oct-15	124,000	\$0.9600
UGI Energy Services	Transco Z6NonNY	1-Oct-15	31-Oct-15	238,079	\$2.4044
UGI Energy Services	Uniondale Direct Connect	1-Oct-15	31-Oct-15	652	\$1.1520
UGI Energy Services	Transco Z6NonNY	7-Oct-15	7-Oct-15	4,686	\$2.4050
UGI Energy Services	Transco Z6NonNY	10-Oct-15	12-Oct-15	14,058	\$2.1100
UGI Energy Services	Transco Z6NonNY	14-Oct-15	14-Oct-15	4,686	\$2.4400
UGI Energy Services	Transco Z6NonNY	15-Oct-15	15-Oct-15	4,686	\$2.4000
UGI Energy Services	Transco Z6NonNY	16-Oct-15	16-Oct-15	4,686	\$2.3650
UGI Energy Services	Transco Z6NonNY	17-Oct-15	19-Oct-15	12,000	\$2.4350
UGI Energy Services	Transco Z6NonNY	20-Oct-15	20-Oct-15	4,000	\$2.3400
UGI Energy Services	Transco Z6NonNY	21-Oct-15	21-Oct-15	1,800	\$2.3100
UGI Energy Services	Uniondale Direct Connect	21-Oct-15	21-Oct-15	24	\$1.1200
UGI Energy Services	Uniondale Direct Connect	22-Oct-15	22-Oct-15	1,408	\$1.1550
UGI Energy Services	Transco Z6NonNY	22-Oct-15	22-Oct-15	4,616	\$2.2050
UGI Energy Services	Transco Z6NonNY	23-Oct-15	23-Oct-15	4,616	\$2.3650
UGI Energy Services	Uniondale Direct Connect	23-Oct-15	23-Oct-15	10,000	\$1.2700
UGI Energy Services	Uniondale Direct Connect	24-Oct-15	26-Oct-15	45,000	\$1.2500
UGI Energy Services	Uniondale Direct Connect	24-Oct-15	26-Oct-15	30,000	\$1.1700
UGI Energy Services	Transco Z6NonNY	24-Oct-15	26-Oct-15	13,449	\$2.2450
UGI Energy Services	Uniondale Direct Connect	27-Oct-15	27-Oct-15	4,496	\$1.0500
UGI Energy Services	Uniondale Direct Connect	27-Oct-15	27-Oct-15	20,504	\$1.0500
UGI Energy Services	Transco Z6NonNY	28-Oct-15	28-Oct-15	4,496	\$2.0000
UGI Energy Services	Uniondale Direct Connect	28-Oct-15	28-Oct-15	21,345	\$0.8900
UGI Energy Services	Transco Z6NonNY	28-Oct-15	28-Oct-15	3,655	\$0.8900
UGI Energy Services	Uniondale Direct Connect	29-Oct-15	29-Oct-15	4,496	\$1.0350
UGI Energy Services	Uniondale Direct Connect	29-Oct-15	29-Oct-15	19,899	\$1.0350
UGI Energy Services	Transco Z6NonNY	29-Oct-15	29-Oct-15	605	\$1.0350
UGI Energy Services	Uniondale Direct Connect	30-Oct-15	31-Oct-15	36,192	\$1.0000
UGI Energy Services	Transco Z6NonNY	30-Oct-15	31-Oct-15	8,992	\$2.0450
UGI Energy Services	Transco Z6NonNY	31-Oct-15	31-Oct-15	3,808	\$2.0450
UGI Utilities	Transco Zone 6 Receipt	1-Oct-15	31-Oct-15	10,542	\$1.0883
November-15					
UGI Central Penn	Columbia A06 Pool	17-Nov-15	17-Nov-15	612	\$1.2950
UGI Central Penn	Columbia A06 Pool	18-Nov-15	18-Nov-15	642	\$1.4000
UGI Energy Services	Uniondale Direct Connect	1-Nov-15	30-Nov-15	274,470	\$0.7980
UGI Energy Services	Transco Z6NonNY	1-Nov-15	30-Nov-15	123,000	\$0.9050
UGI Energy Services	Transco Z6NonNY	1-Nov-15	30-Nov-15	127,590	\$0.8600
UGI Energy Services	Transco Z6NonNY	1-Nov-15	30-Nov-15	115,583	\$2.2160
UGI Energy Services	Transco Z6NonNY	1-Nov-15	30-Nov-15	144,131	\$1.3535
UGI Energy Services	Uniondale Direct Connect	1-Nov-15	30-Nov-15	315,394	\$1.1520
UGI Energy Services	Uniondale Direct Connect	1-Nov-15	30-Nov-15	46,980	\$1.2953
UGI Energy Services	Uniondale Direct Connect	1-Nov-15	30-Nov-15	150,000	\$0.9050
UGI Energy Services	Transco Z6NonNY	20-Nov-15	20-Nov-15	10,000	\$2.0800
UGI Energy Services	Transco Z6NonNY	24-Nov-15	24-Nov-15	15,324	\$2.2450
UGI Energy Services	Transco Z6NonNY	25-Nov-15	25-Nov-15	15,324	\$2.0200

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Utilities	Transco Zone 6 Receipt	1-Nov-15	30-Nov-15	3,012	\$1.3942
December-15					
UGI Energy Services	Uniondale Direct Connect	1-Dec-15	31-Dec-15	285,200	\$0.9710
UGI Energy Services	Uniondale Direct Connect	1-Dec-15	31-Dec-15	282,100	\$1.0780
UGI Energy Services	Uniondale Direct Connect	1-Dec-15	31-Dec-15	198,400	\$0.9960
UGI Energy Services	Transco Z6NonNY	1-Dec-15	31-Dec-15	183,083	\$1.1771
UGI Energy Services	Transco Z6NonNY	1-Dec-15	31-Dec-15	6,548	\$2.0119
UGI Energy Services	Uniondale Direct Connect	1-Dec-15	31-Dec-15	207,011	\$1.0914
UGI Energy Services	Uniondale Direct Connect	1-Dec-15	31-Dec-15	29,597	\$1.1330
UGI Energy Services	Uniondale Direct Connect	1-Dec-15	31-Dec-15	52,463	\$1.1258
UGI Energy Services	Uniondale Direct Connect	1-Dec-15	31-Dec-15	1,791	\$1.1049
UGI Energy Services	Transco Z6NonNY	1-Dec-15	31-Dec-15	3,334	\$1.0946
UGI Energy Services	Transco Z6NonNY	1-Dec-15	31-Dec-15	20,147	\$1.0946
UGI Energy Services	Transco Z6NonNY	1-Dec-15	31-Dec-15	7,752	\$1.0946
UGI Energy Services	Tennessee Zone 4 Deliverec	1-Dec-15	31-Dec-15	23,722	\$0.8766
UGI Energy Services	Uniondale Direct Connect	3-Dec-15	3-Dec-15	10,000	\$1.2550
UGI Energy Services	Uniondale Direct Connect	4-Dec-15	4-Dec-15	7,000	\$1.2650
UGI Energy Services	Uniondale Direct Connect	5-Dec-15	7-Dec-15	21,000	\$1.1850
UGI Energy Services	Transco Z6NonNY	8-Dec-15	8-Dec-15	15,124	\$2.0550
UGI Energy Services	Transco Z6NonNY	9-Dec-15	9-Dec-15	14,874	\$1.9750
UGI Energy Services	Uniondale Direct Connect	9-Dec-15	9-Dec-15	5,000	\$1.1000
UGI Energy Services	Transco Z6NonNY	22-Dec-15	22-Dec-15	11,100	\$1.5300
UGI Energy Services	Tennessee Zone 4 Deliverec	30-Dec-15	30-Dec-15	9,666	\$2.0500
UGI Energy Services	Uniondale Direct Connect	30-Dec-15	30-Dec-15	5,258	\$2.0500
UGI Energy Services	Uniondale Direct Connect	31-Dec-15	31-Dec-15	15,324	\$1.9500
UGI Utilities	Transco Zone 6 Receipt	1-Dec-15	31-Dec-15	5,020	\$1.1770
UGI Utilities	Columbia A06 Pool	8-Dec-15	8-Dec-15	15,414	\$1.3550
UGI Utilities	Columbia A06 Pool	9-Dec-15	9-Dec-15	10,000	\$1.2250
UGI Utilities	Columbia A06 Pool	11-Dec-15	11-Dec-15	459	\$1.0300
UGI Utilities	Columbia A06 Pool	12-Dec-15	14-Dec-15	1,224	\$0.7400
UGI Utilities	Columbia A06 Pool	16-Dec-15	16-Dec-15	357	\$1.0900
UGI Utilities	Columbia A06 Pool	17-Dec-15	17-Dec-15	408	\$1.0950
UGI Utilities	Columbia A06 Pool	29-Dec-15	29-Dec-15	408	\$1.1450
UGI Utilities	Columbia A06 Pool	30-Dec-15	30-Dec-15	12,318	\$1.2450
UGI Utilities	Columbia A06 Pool	31-Dec-15	31-Dec-15	15,619	\$1.3050
January-16					
UGI Central Penn	Columbia Delivered	4-Jan-16	4-Jan-16	200	\$1.4103
UGI Energy Services	Uniondale Direct Connect	1-Jan-16	4-Jan-16	61,296	\$2.2000
UGI Energy Services	Uniondale Direct Connect	1-Jan-16	31-Jan-16	285,200	\$1.1370
UGI Energy Services	Transco Z6NonNY	1-Jan-16	31-Jan-16	282,100	\$1.2440
UGI Energy Services	Transco Z6NonNY	1-Jan-16	31-Jan-16	266,631	\$1.1990
UGI Energy Services	Uniondale Direct Connect	1-Jan-16	31-Jan-16	387,766	\$1.1620
UGI Energy Services	Uniondale Direct Connect	1-Jan-16	31-Jan-16	32,010	\$1.3725
UGI Energy Services	Transco Z6NonNY	1-Jan-16	31-Jan-16	225,188	\$1.4490

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Energy Services	Transco Z6NonNY	1-Jan-16	31-Jan-16	365,430	\$2.3867
UGI Energy Services	Transco Z6NonNY	1-Jan-16	31-Jan-16	13,680	\$1.3096
UGI Energy Services	Uniondale Direct Connect	1-Jan-16	31-Jan-16	36,561	\$1.3725
UGI Energy Services	Transco Z6NonNY	1-Jan-16	31-Jan-16	15,669	\$1.3096
UGI Energy Services	Uniondale Direct Connect	1-Jan-16	31-Jan-16	75,026	\$1.3718
UGI Energy Services	Transco Z6NonNY	1-Jan-16	31-Jan-16	39,183	\$1.3175
UGI Energy Services	Transco Z6NonNY	1-Jan-16	31-Jan-16	83,371	\$1.1620
UGI Energy Services	Uniondale Direct Connect	1-Jan-16	31-Jan-16	1,676	\$1.3656
UGI Energy Services	Uniondale Direct Connect	4-Jan-16	4-Jan-16	9,500	\$2.2000
UGI Energy Services	Uniondale Direct Connect	5-Jan-16	5-Jan-16	15,024	\$4.1900
UGI Energy Services	Uniondale Direct Connect	5-Jan-16	5-Jan-16	9,659	\$4.1900
UGI Energy Services	Uniondale Direct Connect	6-Jan-16	6-Jan-16	14,824	\$3.0100
UGI Energy Services	Uniondale Direct Connect	7-Jan-16	7-Jan-16	9,800	\$2.3350
UGI Energy Services	Tennessee Zone 4 Deliverec	11-Jan-16	11-Jan-16	100	\$1.3531
UGI Energy Services	Uniondale Direct Connect	12-Jan-16	12-Jan-16	1,382	\$4.6150
UGI Energy Services	Tennessee Zone 4 Deliverec	12-Jan-16	12-Jan-16	8,618	\$4.6150
UGI Energy Services	Uniondale Direct Connect	13-Jan-16	13-Jan-16	10,000	\$5.3800
UGI Energy Services	Uniondale Direct Connect	14-Jan-16	14-Jan-16	15,324	\$2.3950
UGI Energy Services	Uniondale Direct Connect	18-Jan-16	18-Jan-16	9,789	\$5.0750
UGI Energy Services	Uniondale Direct Connect	18-Jan-16	18-Jan-16	1,692	\$2.2731
UGI Energy Services	Uniondale Direct Connect	19-Jan-16	19-Jan-16	9,789	\$5.0750
UGI Energy Services	Tennessee Zone 4 Deliverec	20-Jan-16	20-Jan-16	5,000	\$3.3900
UGI Energy Services	Uniondale Direct Connect	20-Jan-16	20-Jan-16	9,324	\$3.3900
UGI Energy Services	Uniondale Direct Connect	21-Jan-16	21-Jan-16	14,324	\$3.1400
UGI Energy Services	Uniondale Direct Connect	22-Jan-16	22-Jan-16	2,000	\$3.4200
UGI Energy Services	Uniondale Direct Connect	23-Jan-16	25-Jan-16	43,500	\$3.6150
UGI Energy Services	Uniondale Direct Connect	26-Jan-16	26-Jan-16	15,124	\$2.2350
UGI Energy Services	Uniondale Direct Connect	27-Jan-16	27-Jan-16	10,000	\$2.4100
UGI Utilities	Transco Zone 6 Receipt	1-Jan-16	31-Jan-16	13,554	\$1.3313
UGI Utilities	Columbia A06 Pool	6-Jan-16	6-Jan-16	15,618	\$1.3650
UGI Utilities	Columbia A06 Pool	7-Jan-16	7-Jan-16	10,192	\$1.4100
UGI Utilities	Columbia Tco Pool	13-Jan-16	13-Jan-16	408	\$2.2350
February-16					
UGI Energy Services	Transco Z6NonNY	1-Feb-16	28-Feb-16	54828	\$2.1306
UGI Energy Services	Transco Z6NonNY	1-Feb-16	29-Feb-16	126,210	\$2.1396
UGI Energy Services	Uniondale Direct Connect	1-Feb-16	29-Feb-16	44,476	\$1.2416
UGI Energy Services	Tennessee Zone 4 Deliverec	1-Feb-16	29-Feb-16	2,276	\$1.2878
UGI Energy Services	Uniondale Direct Connect	1-Feb-16	29-Feb-16	46,980	\$1.1974
UGI Energy Services	Tennessee Zone 4 Deliverec	1-Feb-16	29-Feb-16	3,480	\$1.1974
UGI Energy Services	Transco Z6NonNY	1-Feb-16	29-Feb-16	13,928	\$1.3115
UGI Energy Services	Uniondale Direct Connect	1-Feb-16	29-Feb-16	259,792	\$0.9540
UGI Energy Services	Transco Z6NonNY	1-Feb-16	29-Feb-16	263,900	\$1.0610
UGI Energy Services	Transco Z6NonNY	1-Feb-16	29-Feb-16	133,429	\$1.0163
UGI Energy Services	Uniondale Direct Connect	1-Feb-16	29-Feb-16	174,000	\$0.9790
UGI Energy Services	Transco Z6NonNY	1-Feb-16	29-Feb-16	122,265	\$1.3115

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Energy Services	Uniondale Direct Connect	1-Feb-16	29-Feb-16	44,221	\$1.2391
UGI Energy Services	Uniondale Direct Connect	1-Feb-16	29-Feb-16	214,803	\$1.1974
UGI Energy Services	Transco Z6NonNY	1-Feb-16	29-Feb-16	7,000	\$0.9540
UGI Energy Services	Transco Z6NonNY	1-Feb-16	29-Feb-16	5,276	\$2.1306
UGI Energy Services	Uniondale Direct Connect	1-Feb-16	29-Feb-16	346	\$1.2344
UGI Energy Services	Uniondale Direct Connect	6-Feb-16	8-Feb-16	14,931	\$1.1800
UGI Energy Services	Tennessee Zone 4 Deliverec	10-Feb-16	10-Feb-16	9,909	\$3.5150
UGI Energy Services	Transco Z6NonNY	10-Feb-16	10-Feb-16	5,105	\$3.5150
UGI Energy Services	Transco Z6NonNY	11-Feb-16	11-Feb-16	12,833	\$4.2700
UGI Energy Services	Uniondale Direct Connect	11-Feb-16	11-Feb-16	1,791	\$4.2700
UGI Energy Services	Transco Z6NonNY	11-Feb-16	11-Feb-16	2,413	\$4.2700
UGI Energy Services	Uniondale Direct Connect	12-Feb-16	12-Feb-16	14,424	\$4.0200
UGI Energy Services	Uniondale Direct Connect	13-Feb-16	16-Feb-16	56,400	\$6.0800
UGI Energy Services	Uniondale Direct Connect	17-Feb-16	17-Feb-16	10,000	\$1.2300
UGI Energy Services	Uniondale Direct Connect	18-Feb-16	18-Feb-16	14,924	\$2.0200
UGI Energy Services	Uniondale Direct Connect	19-Feb-16	19-Feb-16	500	\$1.9250
UGI Energy Services	Uniondale Direct Connect	23-Feb-16	23-Feb-16	500	\$1.8200
UGI Energy Services	Uniondale Direct Connect	24-Feb-16	24-Feb-16	353	\$1.7000
UGI Energy Services	Uniondale Direct Connect	25-Feb-16	25-Feb-16	353	\$1.7400
UGI Energy Services	Uniondale Direct Connect	26-Feb-16	26-Feb-16	353	\$1.8650
UGI Energy Services	Uniondale Direct Connect	27-Feb-16	29-Feb-16	1,059	\$1.2200
UGI Utilities	Transco Zone 6 Receipt	1-Feb-16	29-Feb-16	14,558	\$1.1950
March-16					
UGI Energy Services	Uniondale Direct Connect	1-Mar-16	1-Mar-16	214	1.145
UGI Energy Services	Uniondale Direct Connect	1-Mar-16	31-Mar-16	67,474	0.501
UGI Energy Services	Uniondale Direct Connect	1-Mar-16	31-Mar-16	282,100	0.583
UGI Energy Services	Uniondale Direct Connect	1-Mar-16	31-Mar-16	43,710	0.538
UGI Energy Services	Z6NonNY	1-Mar-16	31-Mar-16	40,664	1.2571
UGI Energy Services	Uniondale Direct Connect	1-Mar-16	31-Mar-16	197,875	1.1212
UGI Energy Services	Z6NonNY	1-Mar-16	31-Mar-16	17,863	1.2363
UGI Energy Services	Z6NonNY	1-Mar-16	31-Mar-16	3,482	1.215
UGI Energy Services	Z6NonNY	1-Mar-16	31-Mar-16	2,178	1.767
UGI Energy Services	Uniondale Direct Connect	1-Mar-16	31-Mar-16	16,595	1.0769
UGI Energy Services	Uniondale Direct Connect	1-Mar-16	31-Mar-16	15	1.0175
UGI Energy Services	Uniondale Direct Connect	2-Mar-16	2-Mar-16	15,538	1.535
UGI Energy Services	Uniondale Direct Connect	3-Mar-16	3-Mar-16	214	1.67
UGI Energy Services	Uniondale Direct Connect	4-Mar-16	4-Mar-16	214	1.61
UGI Energy Services	Uniondale Direct Connect	5-Mar-16	7-Mar-16	642	1.25
UGI Energy Services	Uniondale Direct Connect	7-Mar-16	7-Mar-16	23,947	0.93
UGI Energy Services	Uniondale Direct Connect	8-Mar-16	8-Mar-16	214	1.095
UGI Energy Services	Uniondale Direct Connect	9-Mar-16	9-Mar-16	214	1.03
UGI Energy Services	Uniondale Direct Connect	10-Mar-16	10-Mar-16	214	1.03
UGI Energy Services	Uniondale Direct Connect	11-Mar-16	11-Mar-16	214	1.08
UGI Energy Services	Uniondale Direct Connect	12-Mar-16	14-Mar-16	642	0.915
UGI Energy Services	Uniondale Direct Connect	15-Mar-16	15-Mar-16	214	1.08

<u>AFFILIATE SUPPLIER</u>	<u>PURCHASE POINT</u>	<u>START DATE</u>	<u>END DATE</u>	<u>PURCHASE VOLUME (DTH)</u>	<u>PURCHASE PRICE (\$/DTH)</u>
UGI Energy Services	Uniondale Direct Connect	16-Mar-16	16-Mar-16	214	1.195
UGI Energy Services	Uniondale Direct Connect	17-Mar-16	17-Mar-16	214	1.205
UGI Energy Services	Uniondale Direct Connect	18-Mar-16	18-Mar-16	214	1.475
UGI Energy Services	Uniondale Direct Connect	19-Mar-16	21-Mar-16	642	1.96
UGI Energy Services	Z4 Delivered	19-Mar-16	31-Mar-16	44,541	1.2677
UGI Energy Services	Uniondale Direct Connect	22-Mar-16	22-Mar-16	214	1.305
UGI Energy Services	Uniondale Direct Connect	23-Mar-16	23-Mar-16	214	1.26
UGI Energy Services	Uniondale Direct Connect	24-Mar-16	24-Mar-16	214	1.3
UGI Energy Services	Uniondale Direct Connect	25-Mar-16	28-Mar-16	856	1.18
UGI Energy Services	Uniondale Direct Connect	29-Mar-16	29-Mar-16	214	1.54
UGI Energy Services	Uniondale Direct Connect	30-Mar-16	30-Mar-16	214	1.52
UGI Energy Services	Uniondale Direct Connect	31-Mar-16	31-Mar-16	194	1.315
UGI Utilities	Leidy Line Supply	1-Mar-16	31-Mar-16	2,510	1.157

UGI PENN NATURAL GAS, INC.
6/1/16 SECTION 1307(f) FILING

SECTION 14 [66 PA Code §13.17(3)] RELIABILITY PLANS

As part of its filing under section 1307(f) or if it is not required to make such a filing on an annual basis, a natural gas distribution company, as defined in section 2202 (relating to definitions), shall file a proposed reliability plan with the commission which shall, at a minimum, identify the following:

- (1) The projected peak day and seasonal requirements of the firm customers utilizing the distribution system of the natural gas distribution company during the 12-month projected period specified in section 1307(f) (1). Where operationally required, the design peak day requirements shall be specified for discrete segments of each natural gas distribution system.
- (2) The transportation capacity, storage, peaking or on system production that ensures deliverability of the natural gas supplies necessary to meet such projected period peak day and seasonal requirements.

RESPONSE:

Peak Day Balances

PNG's Design Firm Peak Day Requirements are presented in Section 11. Attachment 14-1 details the transportation, delivered supplies, including local production, storage and peaking to meet peak day requirements. Attachment 14-2 is a load duration curve for the upcoming winter which illustrates the firm design seasonal demand requirements and the corresponding transportation capacity, delivered supplies, including local production, storage and peaking needed to meet such requirements.

Seasonal requirements for the 12-month projected period, including transportation capacity, delivered supplies, including local production storage and peaking, are presented in Attachments 1-B-1 and 1-B-2. These capacities correspond to the peak day capacities shown on Attachment 14-1.

The peak day capacities shown on Attachment 14-1 include those related to choice customers on the PNG system.

UGI Penn Natural Gas, Inc
Peak Day Capacity Requirements and Supply Options
(Dth/D)

Pipeline/Supplier	Upstream Pipeline	Rate Schedule	2016-2017 (Projected)
Transco		FT	12,279
Transco		FT	500
Transco		PS-FT	3,416
Transco		GSS	56,532
Transco		SS-2	25,875
Transco		LSS	7,518
Transco to UGI Utilities		Sale	(7,000)
Transco to UGI CPG		Sale	(4,049)
Transco Release from UGI CPG			5,133
Tennessee		FT	2,885
Tennessee		FT	34,000
Columbia		FTS	12,825
Columbia	Columbia Gulf	FTS / FTS-1	5,707
Columbia		SST / FSS	500
Columbia Release to UGI Utilities			(4,866)
Columbia Release to UGI CPG			(2,679)
UGI Energy Services		Delivered Supply	99,525
UGI Energy Services		Peaking I	47,500
Subtotal			295,601
Third Party Capacity - Large Customers			339,009
Total Firm Capacity			634,610

PGC Requirements	256,268
CHOICE Requirements	30,640
Subtotal	286,908
Firm Transportation Requirements	347,702
Total Requirements	634,610

Load Duration Analysis

Firm Equation Under Design Conditions for the Winter of 2016-2017

UGI Penn Natural Gas, Inc.

Temp °F	Total Demand	3rd Party LC-FT 347.702	3rd Party FT 339.009	UGI ES Del. Supply 99.525	Transco FT 6.363	Tennessee FT-A 34.000	Tennessee FT-G 2.885	Columbia FT 10.987	Transco PS-FT 3.416	Transco Leidy 0.500	Transco SS-2 25.875	Transco LSS 7.518	Columbia FSS 0.500	Transco GSS 56.532	Peaking 47.500	
1	-6.00	634.610	347.702	339.009	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	56.532	47.500
2	-0.31	606.791	343.400	334.707	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	56.532	23.983
3	1.88	597.382	341.745	333.052	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	56.532	16.229
4	3.26	591.432	340.698	332.005	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	56.532	11.325
5	5.36	582.413	339.112	330.419	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	56.532	3.893
6	6.11	579.210	338.549	329.856	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	56.532	1.253
7	7.00	575.383	337.876	329.183	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	54.632	0.000
8	8.09	570.684	337.049	328.356	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	50.759	0.000
9	8.92	567.108	336.420	327.727	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	47.812	0.000
10	9.42	564.978	336.045	327.352	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	46.056	0.000
11	10.78	559.130	335.017	326.324	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	41.238	0.000
12	11.25	557.105	334.660	325.967	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	39.568	0.000
13	11.79	554.790	334.253	325.560	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	37.661	0.000
14	12.14	553.269	333.986	325.293	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	36.407	0.000
15	12.68	550.964	333.580	324.887	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	34.508	0.000
16	13.24	548.564	333.158	324.465	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	32.530	0.000
17	13.74	546.407	332.779	324.086	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	30.752	0.000
18	14.24	544.277	332.404	323.711	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	28.997	0.000
19	14.38	543.674	332.298	323.605	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	28.500	0.000
20	14.86	541.591	331.932	323.239	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	26.783	0.000
21	15.31	539.645	331.589	322.896	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	25.179	0.000
22	15.77	537.682	331.244	322.551	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	23.562	0.000
23	16.14	536.090	330.964	322.271	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	22.250	0.000
24	16.66	533.834	330.567	321.874	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	20.391	0.000
25	17.23	531.402	330.140	321.447	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	18.386	0.000
26	17.50	530.226	329.933	321.240	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	17.418	0.000
27	17.75	529.161	329.745	321.052	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	16.539	0.000
28	18.03	527.973	329.536	320.843	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	15.561	0.000
29	18.39	526.403	329.260	320.567	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	14.267	0.000
30	18.91	524.172	328.868	320.175	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	12.428	0.000
31	19.10	523.388	328.730	320.037	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	11.782	0.000
32	19.14	523.186	328.694	320.001	99.525	6.363	34.000	2.885	10.987	3.416	0.500	25.875	7.518	0.500	11.615	0.000
33	19.56	521.412	328.382	319.689	99.525	6.363	34.000	2.885	10.987	3.416	0.500	23.719	7.518	0.500	12.310	0.000
34	19.97	519.609	328.065	319.372	99.525	6.363	34.000	2.885	10.987	3.416	0.500	23.719	7.518	0.400	10.924	0.000
35	20.14	518.906	327.942	319.249	99.525	6.363	34.000	2.885	10.987	3.416	0.500	23.719	7.518	0.400	10.345	0.000
36	20.31	518.150	327.809	319.116	99.525	6.363	34.000	2.885	10.987	3.416	0.500	23.719	7.518	0.400	9.722	0.000
37	20.74	516.334	327.489	318.796	99.525	6.363	34.000	2.885	10.987	3.416	0.500	23.719	7.518	0.400	8.225	0.000
38	21.28	513.999	327.078	318.385	99.525	6.363	34.000	2.885	10.987	3.416	0.500	23.719	7.518	0.400	6.301	0.000
39	21.32	513.844	327.051	318.358	99.525	6.363	34.000	2.885	10.987	3.416	0.500	23.719	7.518	0.325	6.248	0.000
40	21.73	512.077	326.740	318.047	99.525	6.363	34.000	2.885	10.987	3.416	0.500	21.083	7.518	0.325	7.428	0.000
41	21.75	511.990	326.725	318.032	99.525	6.363	34.000	2.885	10.987	3.416	0.500	21.083	7.518	0.325	7.355	0.000
42	22.18	510.116	326.395	317.702	99.525	6.363	34.000	2.885	10.987	3.416	0.500	21.083	7.518	0.325	5.811	0.000
43	22.55	508.536	326.118	317.425	99.525	6.363	34.000	2.885	10.987	3.416	0.500	18.974	7.518	0.325	6.619	0.000
44	22.70	507.883	326.003	317.310	99.525	6.363	34.000	2.885	10.987	3.416	0.500	18.974	7.518	0.325	6.080	0.000
45	22.93	506.908	325.831	317.138	99.525	6.363	34.000	2.885	10.987	3.416	0.500	18.974	7.518	0.325	5.276	0.000
46	23.31	505.263	325.542	316.849	99.525	6.363	34.000	2.885	10.987	3.416	0.500	18.974	7.518	0.250	3.996	0.000
47	23.62	503.937	325.309	316.616	99.525	6.363	34.000	2.885	10.987	3.416	0.500	18.974	7.518	0.250	2.904	0.000
48	23.60	503.997	325.292	316.599	99.525	6.363	34.000	2.885	10.987	3.416	0.500	9.590	7.518	0.250	12.363	0.000
49	23.65	503.782	325.255	316.562	99.525	6.363	34.000	2.885	10.987	3.416	0.500	0.000	7.518	0.250	21.777	0.000
50	24.04	502.095	324.958	316.265	99.525	6.363	34.000	2.885	10.987	3.416	0.500	0.000	7.518	0.250	20.386	0.000
51	24.48	500.231	324.630	315.937	99.525	6.363	34.000	2.885	10.987	3.416	0.500	0.000	7.518	0.250	18.850	0.000
52	25.02	497.909	324.221	315.528	99.525	6.363	34.000	2.885	10.987	3.416	0.500	0.000	7.518	0.250	16.936	0.000
53	25.30	496.679	324.005	315.312	99.525	6.363	34.000	2.885	10.987	3.416	0.500	0.000	7.518	0.250	15.922	0.000
54	25.37	496.371	323.951	315.258	99.525	6.363	34.000	2.885	10.987	3.416	0.500	0.000	7.518	0.135	15.784	0.000
55	25.58	495.468	323.792	315.099	99.525	6.363	34.000	2.885	10.987	3.416	0.500	0.000	7.518	0.000	15.175	0.000
56	25.70	494.968	323.704	315.011	99.525	6.363	34.000	2.885	10.987	3.416	0.500	0.000	7.518	0.000	14.763	0.000
57	26.29	492.454	323.262	314.569	99.525	6.363	34.000	2.885	10.987	3.416	0.500	0.000	7.518	0.000	12.691	0.000

UGI Penn Natural Gas
LOAD DURATION ANALYSIS
 Firm Design Conditions for the Winter of 2016-2017

