

**UGI Penn Natural Gas, Inc.**

**Derivation of Storage Commodity Rates for Bundled Sales**

		April-2018	May-2018	June-2018	July-2018	August-2018	September-2018	October-2018	AVERAGE
<b>A</b>	<b>TRANSCO ZONE 4 IFERC FOM (\$/Dth)</b>	\$2.6500	\$2.7900	\$2.8400	\$2.9190	\$2.9270	\$2.8940	\$2.8950	
<b>B</b>	Fuel	2.800%	2.800%	2.800%	2.800%	2.800%	2.800%	2.800%	
<b>C</b>	Commodity	\$0.02953	\$0.02953	\$0.02953	\$0.02953	\$0.02953	\$0.02953	\$0.02953	
<b>D</b>	<b>COST DELIVERED TO MARKET AREA Z6NonNY (\$/Dth)</b>	\$2.7559	\$2.8999	\$2.9513	\$3.0326	\$3.0408	\$3.0069	\$3.0079	
<b>E</b>	Fuel	2.250%	2.250%	2.250%	2.250%	2.250%	2.250%	2.250%	
<b>F</b>	Commodity	\$0.05082	\$0.05082	\$0.05082	\$0.05082	\$0.05082	\$0.05082	\$0.05082	
<b>G</b>	<b>COST DELIVERED TO STORAGE/IN-FIELD (\$/Dth)</b>	\$2.8701	\$3.0175	\$3.0701	\$3.1532	\$3.1617	\$3.1269	\$3.1280	
<b>H</b>	<b>WITHDRAWAL CHARGE (\$/Dth)</b>	\$0.04314	\$0.04314	\$0.04314	\$0.04314	\$0.04314	\$0.04314	\$0.04314	
<b>I</b>	<b>COST DELIVERED TO MARKET AREA Z6NonNY (\$/Dth)</b>	\$2.9133	\$3.0606	\$3.1132	\$3.1964	\$3.2048	\$3.1701	\$3.1711	\$3.1185

$D=(A/(1-B))+C$

$G=(D/(1-E))+F$

$I=G+H$

	Apr-2018	May-2018	Jun-2018	Jul-2018	Aug-2018	Sep-2018	Oct-2018
<b>NYMEX</b>				\$2.952	\$2.965	\$2.944	\$2.948
<b>Transco Z4 Basis</b>				(\$0.033)	(\$0.038)	(\$0.050)	(\$0.053)
<b>Transco Z4 Rec Price</b>				\$2.919	\$2.927	\$2.894	\$2.895