

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
A	TRANSCO ZONE 4 IFERC FOM (\$/Dth)	\$2.6500	\$2.7900	\$2.8400	\$2.9600	\$2.7900	\$2.7270	\$2.7430	
B	Fuel	2.800%	2.800%	2.800%	2.800%	2.800%	2.800%	2.800%	
C	Commodity	\$0.02953	\$0.02953	\$0.02953	\$0.02953	\$0.02953	\$0.02953	\$0.02953	
D	COST DELIVERED TO MARKET AREA Z6NonNY (\$/Dth)	\$2.7559	\$2.8999	\$2.9513	\$3.0748	\$2.8999	\$2.8351	\$2.8515	
E	Fuel	2.250%	2.250%	2.250%	2.250%	2.250%	2.250%	2.250%	
F	Commodity	\$0.05082	\$0.05082	\$0.05082	\$0.05082	\$0.05082	\$0.05082	\$0.05082	
G	COST DELIVERED TO STORAGE/IN-FIELD (\$/Dth)	\$2.8701	\$3.0175	\$3.0701	\$3.1964	\$3.0175	\$2.9512	\$2.9680	
H	WITHDRAWAL CHARGE (\$/Dth)	\$0.04314	\$0.04314	\$0.04314	\$0.04314	\$0.04314	\$0.04314	\$0.04314	
I	COST DELIVERED TO MARKET AREA Z6NonNY (\$/Dth)	\$2.9133	\$3.0606	\$3.1132	\$3.2395	\$3.0606	\$2.9943	\$3.0111	\$3.0561

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

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

$I=G+H$

	Apr-2018	May-2018	Jun-2018	Jul-2018	Aug-2018	Sep-2018	Oct-2018
NYMEX						\$2.782	\$2.798
Transco Z4 Basis						(\$0.055)	(\$0.055)
Transco Z4 Rec Price						\$2.727	\$2.743