

Listed	Title	Underlyin	Underlyin	Commodi	Data Sour	1950B	Primary P	Forward C	Backup C	Trade Typ	Product	Unit	Filter	Publicatio	Floating P	Floating P	Terminati	note	Contract S	Contract 1	Exchange	Spot Mon	Single Month	Accountability Lev	All Month	Accountability Level
Y	Natural Gas Basis Swap	- Algonquin - Platts Inside FERC	Algonquin	IFERC	ENERGY	IFERC	1000	M.ALQGB	M.ALQGB	M.ALQGB	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Algonquin	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- ANR SE - Platts Inside FERC	ANR SE Ba	IFERC	ENERGY	IFERC	1001	M.CGMS	M.CGMS	M.CGMS	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	ANR SE	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- ANR SW - Platts Inside FERC	ANR SW B	IFERC	ENERGY	IFERC	1002	M.DARS	M.DARS	M.DARS	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	ANR SW	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- CG Mainline - Platts Inside FERC	CG Mainline	IFERC	ENERGY	IFERC	1003	M.MZDM	M.MZDM	M.MZDM	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	CG Mainline	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- CG Onshore - Platts Inside FERC	CG Onshore	IFERC	ENERGY	IFERC	1004	M.8ABP	M.8ABP	M.8ABP	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	CG Onshore	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Chicago B: NGI NGC - Platts Inside FERC	Chicago B: NGI NGC	IFERC	ENERGY	IFERC	1005	M.ZDD3	M.ZDD3	M.ZDD3	Basis Swap	Natural Gas	MMBTU	NG Basis	Natural Gas	Chicago	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- CIG Rockies - Platts Inside FERC	CIG Rockies	IFERC	ENERGY	IFERC	1006	M.JZMD	M.JZMD	M.JZMD	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	CIG Rockies	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Dawn - Platts Inside FERC	Dawn Bas	IFERC	ENERGY	IFERC	1007	M.VBUT	M.VBUT	M.VBUT	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Dawn	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Eastern Gas South - Platts Inside FERC	Dom Sout	IFERC	ENERGY	IFERC	1008	M.LXOG	M.LXOG	M.LXOG	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Eastern G	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Enable Gas - Platts Inside FERC	Enable Ga	IFERC	ENERGY	IFERC	1009	M.GL7Y	M.GL7Y	M.GL7Y	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Enable Ga	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- EP Permian - Platts Inside FERC	EP Permia	IFERC	ENERGY	IFERC	1010	M.NQJV	M.NQJV	M.NQJV	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	EP Permian	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- EP San Juan - Platts Inside FERC	EP San Jua	IFERC	ENERGY	IFERC	1011	M.WKIE	M.WKIE	M.WKIE	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	EP San Jua	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- EP West Texas - Platts Inside FERC	EP West T	IFERC	ENERGY	IFERC	1012	M.RPRO	M.RPRO	M.RPRO	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	EP West T	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- FGT Zone 3 - Platts Inside FERC	FGT Zone 3	IFERC	ENERGY	IFERC	1013	M.NVRA	M.NVRA	M.NVRA	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	FGT Zone	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Henry Hub - Platts Inside FERC	Henry HUt	IFERC	ENERGY	IFERC	1014	M.P4RS	M.P4RS	M.P4RS	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Henry Hut	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- HSC - Platts Inside FERC	HSC Basis	IFERC	ENERGY	IFERC	1015	M.HXS8	M.HXS8	M.HXS8	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	HSC	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Iroquois (Intro) - Platts Inside FERC	Iroquois I	IFERC	ENERGY	IFERC	1016	M.Q69E	M.Q69E	M.Q69E	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Iroquois I	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Iroquois Z2 - Platts Inside FERC	Iroquois Z 2	IFERC	ENERGY	IFERC	1017	M.0KGE	M.0KGE	M.0KGE	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Iroquois Z 2	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Katy - Platts Inside FERC	Katy Bas	IFERC	ENERGY	IFERC	1018	M.KXKJ	M.KXKJ	M.KXKJ	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Katy	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Malin - Natural Gas Intelligence	Malin Bas	NGI	M ENERGY	NGI	1019	M.JECA	M.JECA	M.JECA	Basis Swap	Natural Gas	MMBTU	NG Basis	Natural Gas	Malin	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- MichCon - Platts Inside FERC	MichCon I	IFERC	ENERGY	IFERC	1020	M.NMCB	M.NMCB	M.NMCB	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	MichCon	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Millennium East - Platts Inside FERC	Millennium	IFERC	ENERGY	IFERC	1021	M.YTFV	M.YTFV	M.YTFV	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Millenni	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- NGPL Midcont - Platts Inside FERC	NGPL Mid	IFERC	ENERGY	IFERC	1022	M.4JWG	M.4JWG	M.4JWG	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	NGPL Mid	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- NGPL STX - Platts Inside FERC	NGPL STX	IFERC	ENERGY	IFERC	1023	M.3PWJ	M.3PWJ	M.3PWJ	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	NGPL STX	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- NGPL TXOK - Platts Inside FERC	NGPL TXO	IFERC	ENERGY	IFERC	1024	M.7UB7	M.7UB7	M.7UB7	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	NGPL TXO	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- NNG Demarc - Platts Inside FERC	NNG Dem	IFERC	ENERGY	IFERC	1025	M.DEMB	M.DEMB	M.DEMB	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	NNG Dem	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- NNG Ventura - Platts Inside FERC	NNG Vent	IFERC	ENERGY	IFERC	1026	M.NGHO	M.NGHO	M.NGHO	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	NNG Vent	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- NWP Rock - Platts Inside FERC	NWP Rock	IFERC	ENERGY	IFERC	1027	M.TXLE	M.TXLE	M.TXLE	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	NWP Rock	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- NWP Sumas - Platts Inside FERC	NWP Sum	IFERC	ENERGY	IFERC	1028	M.TOZA	M.TOZA	M.TOZA	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	NWP Sum	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- ONEOK Gas - Platts Inside FERC	ONEOK G	IFERC	ENERGY	IFERC	1029	M.OSMW	M.OSMW	M.OSMW	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	ONEOK G	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Panhandle - Platts Inside FERC	Panhandle	IFERC	ENERGY	IFERC	1030	M.1HIL	M.1HIL	M.1HIL	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Panhandle	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- PS&E Citygate - Natural Gas Intelligence	PS&E City	NGI	M ENERGY	NGI	1031	M.TJ21	M.TJ21	M.TJ21	Basis Swap	Natural Gas	MMBTU	NG Basis	Natural Gas	PS&E City	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Pine Prairie - Platts Inside FERC	Pine Prair	IFERC	ENERGY	IFERC	1032	M.KDIN	M.KDIN	M.KDIN	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Pine Prain	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- REX Zone 3 - Platts Inside FERC	REX Zone	IFERC	ENERGY	IFERC	1033	M.REX8	M.REX8	M.REX8	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	REX Zone	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Social Border - Natural Gas Intelligence	Socal Borc	NGI	M ENERGY	NGI	1034	M.WVMV	M.WVMV	M.WVMV	Basis Swap	Natural Gas	MMBTU	NG Basis	Natural Gas	Socal Borc	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Social Citygate - Natural Gas Intelligence	Socal City	NGI	M ENERGY	NGI	1035	M.X0GR	M.X0GR	M.X0GR	Basis Swap	Natural Gas	MMBTU	NG Basis	Natural Gas	Socal City	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Sonat Bas - Platts Inside FERC	Sonat Bas	IFERC	ENERGY	IFERC	1036	M.SONB	M.SONB	M.SONB	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Sonat	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Southern Star - Platts Inside FERC	Southern !	IFERC	ENERGY	IFERC	1037	M.9J3Y	M.9J3Y	M.9J3Y	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Southern !	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- TCO - Platts Inside FERC	TCO Basis	IFERC	ENERGY	IFERC	1038	M.ZYQF	M.ZYQF	M.ZYQF	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	TCO	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Tenn 500L - Platts Inside FERC	Tenn 500L	IFERC	ENERGY	IFERC	1039	M.TFLB	M.TFLB	M.TFLB	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Tenn 500L	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Tenn 800L - Platts Inside FERC	Tenn 800L	IFERC	ENERGY	IFERC	1040	M.TS8B	M.TS8B	M.TS8B	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Tenn 800L	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Tenn 20 B - Platts Inside FERC	Tenn 20 B	IFERC	ENERGY	IFERC	1041	M.TZ2B	M.TZ2B	M.TZ2B	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Tenn 20	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Tenn 24 Z1 - Platts Inside FERC	Tenn 24 Z1	IFERC	ENERGY	IFERC	1042	M.RNWX	M.RNWX	M.RNWX	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Tenn 24 Z1	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Tenn 24 Z2 - Platts Inside FERC	Tenn 24 Z2	IFERC	ENERGY	IFERC	1043	M.DMRB	M.DMRB	M.DMRB	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Tenn 24 Z2	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Tenn 26 Z1 - Platts Inside FERC	Tenn 26 Z1	IFERC	ENERGY	IFERC	1044	M.TGLB	M.TGLB	M.TGLB	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Tenn 26 Z1	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Tenn 26 Z2 - Platts Inside FERC	Tenn 26 Z2	IFERC	ENERGY	IFERC	1045	M.AFAC	M.AFAC	M.AFAC	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Tenn 26 Z2	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- Tenn 26 Z3 - Platts Inside FERC	Tenn 26 Z3	IFERC	ENERGY	IFERC	1046	M.VLDE	M.VLDE	M.VLDE	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	Tenn 26 Z3	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- TETCO EL - Platts Inside FERC	TETCO EL	IFERC	ENERGY	IFERC	1047	M.6KPP	M.6KPP	M.6KPP	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	TETCO EL	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- TETCO M2 - Platts Inside FERC	TETCO M2	IFERC	ENERGY	IFERC	1048	M.DYTC	M.DYTC	M.DYTC	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	TETCO M2	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- TETCO M3 - Platts Inside FERC	TETCO M3	IFERC	ENERGY	IFERC	1049	M.G9LV	M.G9LV	M.G9LV	Basis Swap	Natural Gas	MMBTU	NG Basis	Platts Insis	TETCO M3	NYMEX	La last business day price	1	mmBtu		50000000		50000000		
Y	Natural Gas Basis Swap	- TETCO STX - Platts Inside FERC	TETCO STX	IFERC	ENERGY	IFERC	1050																			

Y	Natural Gas Fixed Swap - NGPL TXOK - Platts Gas Daily	NGPL TXOK NGPL TXO ENERGY	Platts	1090	M.X9PF	M.X9PF	M.X9PF	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	NGPL TXOK	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - NNG C - Platts Inside FERC	NNG Carlt NNG Carlt ENERGY	IFERC	1091	A.375	A.375	A.375	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	NNG C	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - NNG Ventura - Platts Inside FERC	NNG Vent FERC NG ENERGY	IFERC	1092	M.5VL0	M.5VL0	M.5VL0	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	NNG Ventura	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - NNG Ventura - Platts Gas Daily	NNG Vent NNG Vent ENERGY	Platts	1093	M.VV00	M.VV00	M.VV00	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	NNG Ventura	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - NNG W - Platts Inside FERC	NNG Welc NNG Welc ENERGY	IFERC	1094	A.NNGWV	M.5VL0	M.5VL0	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	NNG W	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - NWP Rockies - Platts Inside FERC	NWP Rock FERC NG ENERGY	IFERC	1095	M.UTNR	M.UTNR	M.UTNR	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	NWP Rockies	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - NWP Rockies - Platts Gas Daily	NWP Rock NWP Rock ENERGY	Platts	1096	M.NXVU	M.NXVU	M.NXVU	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	NWP Rockies	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - NYMEX Henry Hub - NYMEX	NYMEX H NYMEX H ENERGY	NYMEX	1097	M.NGSH	H	H	Fixed Swa	Natural G	MMBTU	NYMEX H	NYMEX	NYMEX Henry Hub	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Panhandle - Platts Inside FERC	Panhandk FERC NG ENERGY	IFERC	1098	M.4TDE	M.4TDE	M.4TDE	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	Panhandle	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Panhandle - Platts Gas Daily	Panhandk Panhandle ENERGY	Platts	1099	M.XNVU	M.XNVU	M.XNVU	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	Panhandle	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - PG&E Citygate - Platts Gas Intelligence	PG&E City NGI NG PC ENERGY	NGI	1100	M.8Y9S	M.8Y9S	M.8Y9S	Fixed Swa	Natural G	MMBTU	NG Fixed	Natural G	PG&E Citygate	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - PG&E Citygate - Platts Gas Daily	PG&E City PG&E City ENERGY	Platts	1101	M.2E7P	M.2E7P	M.2E7P	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	PG&E Citygate	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - REX Zone 3 - Platts Inside FERC	REX Zone FERC NG ENERGY	IFERC	1102	M.GYSC	M.GYSC	M.GYSC	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	REX Zone 3	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - REX Zone 3 - Platts Gas Daily	REX Zone REX Zone ENERGY	Platts	1103	M.FMAP	M.FMAP	M.FMAP	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	REX Zone 3	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Social Border - Natural Gas Intelligence	Socal Borc NGI NG SC ENERGY	NGI	1104	M.T5CK	M.T5CK	M.T5CK	Fixed Swa	Natural G	MMBTU	NG Fixed	Natural G	Social Border	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Social Border - Platts Gas Daily	Socal Borc Social Bord ENERGY	Platts	1105	M.4KYM	M.4KYM	M.4KYM	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	Social Border	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Social Citygate - Natural Gas Intelligence	Socal CityJ NGI NG SC ENERGY	NGI	1106	M.MSLA	M.MSLA	M.MSLA	Fixed Swa	Natural G	MMBTU	NG Fixed	Natural G	Social Citygate	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Social Citygate - Platts Gas Daily	Socal CityJ Social City ENERGY	Platts	1107	M.MTJH	M.TUHS	M.TUHS	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	Social Citygate	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - TCO - Platts Inside FERC	TCO Ficed FERC NG ENERGY	IFERC	1108	M.CAEK	M.CAEK	M.CAEK	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	TCO	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - TCO - Platts Gas Daily	TCO Gas C TCO Gas D ENERGY	Platts	1109	M.677J	M.677J	M.677J	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	TCO	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Tenn 500L - Platts Inside FERC	Tenn 500L FERC NG ENERGY	IFERC	1110	M.U97X	M.U97X	M.U97X	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	Tenn 500L	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Tenn 24 300L - Platts Inside FERC	Tenn 24 3 FERC NG ENERGY	IFERC	1111	A.494	A.494	A.494	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	Tenn 24 300L	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - TETCO M2 - Platts Inside FERC	TETCO M2 FERC NG ENERGY	IFERC	1112	M.CAFJ	M.CAFJ	M.CAFJ	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	TETCO M2	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - TETCO M2 - Platts Gas Daily	TETCO M2 TETCO M2 ENERGY	Platts	1113	M.28L8	M.28L8	M.28L8	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	TETCO M2	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - TETCO M3 - Platts Inside FERC	TETCO M3 FERC NG ENERGY	IFERC	1114	M.BLV6	M.BLV6	M.BLV6	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	TETCO M3	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - TETCO M3 - Platts Gas Daily	TETCO M3 TETCO M3 ENERGY	Platts	1115	M.M8K2	M.M8K2	M.M8K2	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	TETCO M3	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - TGT Zone 1 - Platts Inside FERC	TGT Zone FERC NG ENERGY	IFERC	1116	M.GIEW	M.GIEW	M.GIEW	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	TGT Zone 1	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - TGT Zone 1 - Platts Gas Daily	TGT Zone TGT Zone ENERGY	Platts	1117	M.WQRJ	M.WQRJ	M.WQRJ	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	TGT Zone 1	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Transco Leidy - Platts Inside FERC	Transco Lc FERC NG ENERGY	IFERC	1118	M.U9XP	M.U9XP	M.U9XP	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	Transco Leidy	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Transco Leidy - Platts Gas Daily	Transco Lc Transco Lc ENERGY	Platts	1119	M.AB28	M.AB28	M.AB28	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	Transco Leidy	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Transco Z6 (non-NY) - Platts Inside FERC	Transco Zl FERC NG ENERGY	IFERC	1120	M.CGVY	M.CGVY	M.CGVY	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Insid	Transco Z6 (non-NY)	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Transco Z6 (non-NY) - Platts Gas Daily	Transco Zl Transco Zl ENERGY	Platts	1121	M.NMFR	M.NMFR	M.NMFR	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	Transco Z6 (non-NY)	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Fixed Swap - Waha - Platts Gas Daily	Waha Gas Waha Gas ENERGY	Platts	1123	M.P37M	M.P37M	M.P37M	Fixed Swa	Natural G	MMBTU	NG Fixed	Platts Gas	Waha	last business day of t	1	mmbtu	50000000	50000000	
Y	Natural Gas Option - Eastern Gas South - Platts Inside FERC	Dom Sout FERC NG ENERGY	IFERC	1124	M.1ACB	M.1ACB	M.1ACB	Option	Natural G	MMBTU	NG Fixed	Platts Insid	Eastern Gas South	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Option - NGPL Midcont - Platts Inside FERC	NGPL Mid FERC NG ENERGY	IFERC	1125	M.7W9F	M.7W9F	M.7W9F	Option	Natural G	MMBTU	NG Fixed	Platts Insid	NGPL Midcont	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Option - NYMEX Henry Hub (Last Day) - NYMEX	NYMEX H NYMEX H ENERGY	NYMEX	1126	M.BONO	PHE	PHE	Option	Natural G	MMBTU	NYMEX H	NYMEX	NYMEX Henry Hub (L	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Option - NYMEX Henry Hub (Penultimate) - NYMEX	NYMEX H NYMEX H ENERGY	NYMEX	1127	M.BPHE	PHE	PHE	Option	Natural G	MMBTU	NYMEX H	NYMEX	NYMEX Henry Hub (P	last business day pri	1	mmbtu	50000000	50000000	
Y	Natural Gas Option - Waha - Platts Inside FERC	Waha Fixe FERC NG ENERGY	IFERC	1128	M.EISF	QFQ.O	QFQ.O	Option	Natural G	MMBTU	NG Fixed	Platts Insid	Waha	last business day pri	1	mmbtu	50000000	50000000	
Y	Normal Butane Fixed Swap - Conway Normal Butane (in-well) - OPIS	OPIS nBut OPIS nC4 ENERGY	OPIS	1200	M.FT3E	M.FT3E	M.FT3E	Fixed Swa	Normal B.	gallons	Normal B.	OPIS	Conway Normal Buta	last business day of t	1	gallon	210000000	210000000	
Y	Normal Butane Fixed Swap - Mt. Belvieu Butane (non-LDH) - OPIS	OPIS nBut OPIS nC4 ENERGY	OPIS	1201	M.8WTC	M.8WTC	M.8WTC	Fixed Swa	Normal B.	gallons	Normal B.	OPIS	Mt. Belvieu Butane (r	last business day of t	1	gallon	210000000	210000000	
Y	Normal Butane Fixed Swap - Mt. Belvieu Butane (LDH) - OPIS	OPIS nBut OPIS nC4 ENERGY	OPIS	1202	M.NBR5	M.NBR5	M.NBR5	Fixed Swa	Normal B.	gallons	Normal B.	OPIS	Mt. Belvieu Butane (l	last business day of t	1	gallon	210000000	210000000	
Y	Natural Gasoline (Pentane) Fixed Swap - Conway Natural Gasoline (in-well) - OPIS	OPIS Pent. OPIS C5 C ENERGY	OPIS	1203	M.5J6Q	M.5J6Q	M.5J6Q	Fixed Swa	Natural G	gallons	Pentane	OPIS	Conway Natural Gas	last business day of t	1	gallon	210000000	210000000	
Y	Natural Gasoline (Pentane) Fixed Swap - Mt. Belvieu Natural Gasoline (non-LDH) - OPIS	OPIS Pent. OPIS C5 M ENERGY	OPIS	1204	M.JZ51	M.JZ51	M.JZ51	Fixed Swa	Natural G	gallons	Pentane	OPIS	Mt. Belvieu Natural C	last business day of t	1	gallon	210000000	210000000	
Y	Natural Gasoline (Pentane) Fixed Swap - Mt. Belvieu Natural Gasoline (LDH) - OPIS	OPIS Pent. OPIS C5 M ENERGY	OPIS	1205	M.FJHV	M.FJHV	M.FJHV	Fixed Swa	Natural G	gallons	Pentane	OPIS	Mt. Belvieu Natural C	last business day of t	1	gallon	210000000	210000000	
Y	Propane Fixed Swap - Conway Propane (in-well) - OPIS	OPIS Prop OPIS C3 C ENERGY	OPIS	1206	M.W7PM	M.W7PM	M.W7PM	Fixed Swa	Propane	gallons	Propane	OPIS	Conway Propane (in	last business day of t	1	gallon	210000000	210000000	
Y	Propane Fixed Swap - Mt. Belvieu Propane (non-LDH) - OPIS	OPIS Prop OPIS C3 C ENERGY	OPIS	1207	M.FZJ2	M.FZJ2	M.FZJ2	Fixed Swa	Propane	gallons	Propane	OPIS	Mt. Belvieu Propane	last business day of t	1	gallon	210000000	210000000	
Y	Propane Fixed Swap - Mt. Belvieu Propane (LDH) - OPIS	OPIS Prop OPIS C3 C ENERGY	OPIS	1208	M.K3FK	M.K3FK	M.K3FK	Fixed Swa	Propane	gallons	Propane	OPIS	Mt. Belvieu Propane	last business day of t	1	gallon	210000000	210000000	
Y	Ethane Fixed Swap - Conway Ethane (in-well) - OPIS	OPIS Ethao OPIS C2 C ENERGY	OPIS	1209	M.S8DG	M.S8DG	M.S8DG	Fixed Swa	Ethane	gallons	Ethane	OPIS	Conway Ethane (in-w	last business day of t	1	gallon	210000000	210000000	
Y	Ethane Fixed Swap - Mt. Belvieu Ethane (non-LDH) - OPIS	OPIS Ethao OPIS C2 M ENERGY	OPIS	1210	M.4TDN	M.4TDN	M.4TDN	Fixed Swa	Ethane	gallons	Ethane	OPIS	Mt. Belvieu Ethane (r	last business day of t	1	gallon	210000000	210000000	
Y	Isobutane Fixed Swap - Conway IsoButane (in-well) - OPIS	OPIS iButa OPIS IC4 C ENERGY	OPIS	1211	M.S5GV	M.S5GV	M.S5GV	Fixed Swa	Isobutane	gallons	Isobutane	OPIS	Conway IsoButane (r	last business day of t	1	gallon	210000000	210000000	
Y	Isobutane Fixed Swap - Mt. Belvieu Iso-Butane (non-LDH) - OPIS	OPIS iButa OPIS IC4 N ENERGY	OPIS	1212	M.7661	M.7661	M.7661	Fixed Swa	Isobutane	gallons	Isobutane	OPIS	Mt. Belvieu Iso-Butar	last business day of t	1	gallon	210000000	210000000	
Y	Isobutane Fixed Swap - Mt. Belvieu Iso-Butane (LDH) - OPIS	OPIS iButa OPIS IC4 N ENERGY	OPIS	1213	M.1S1S	M.1S1S	M.1S1S	Fixed Swa	Isobutane	gallons	Isobutane	OPIS	Mt. Belvieu Iso-Butar	last business day of t	1	gallon	210000000	210000000	
Y	Crude Oil Basis Swap - Argus LLS (1st month) - Argus Media	Argus LLS Argus LLS ENERGY	Argus	1300	M.ARKS	M.ARKS	M.ARKS	Basis Swa	Crude Oil	barrels	NYMEX W	Argus Mee	Argus LLS	NYMEX W last business day of t	1	barrel	5000000	5000000	
Y	Crude Oil Basis Swap - Argus LLS (1st month) - Argus Media TMA	Argus LLS Argus LLS ENERGY	Argus	1301	M.XYNX	M.XYNX	M.XYNX	Basis Swa	Crude Oil	barrels	NYMEX W	Argus Mee	Argus LLS	NYMEX W last busin	1	barrel	5000000	5000000	
Y	Crude Oil Basis Swap - Argus WTI Houston (1st month) - Argus Media	Argus WTI Argus WTI ENERGY	Argus	1302	M.IEHL	M.IEHL	M.IEHL	Basis Swa	Crude Oil	barrels	NYMEX W	Argus Mee	Argus WTI	NYMEX W last business day of t	1	barrel	5000000	5000000	
Y	Crude Oil Basis Swap - Argus WTI Houston (1st month) - Argus Media TMA	Argus WTI Argus WTI ENERGY	Argus	1303	M.PRUM	M.PRUM	M.PRUM	Basis Swa	Crude Oil	barrels	NYMEX W	Argus Mee	Argus WTI	NYMEX W last busin	1	barrel	5000000	5000000	
Y	Crude Oil Basis Swap - Argus WTI Midland (1st month) - Argus Media	Argus WTI Argus WTI ENERGY	Argus	1304	M.2T5T	M.2T5T	M.2T5T	Basis Swa	Crude Oil	barrels	NYMEX W	Argus Mee	Argus WTI	NYMEX W last busin	1	barrel	5000000	5000000	
Y	Crude Oil Basis Swap - Argus WTI Midland (1st month) - Argus Media TMA	Argus WTI Argus WTI ENERGY	Argus	1305	M.C9BE	M.C9BE	M.C9BE	Basis Swa	Crude Oil	barrels	NYMEX W	Argus Mee	Argus WTI	NYMEX W last busin	1	barrel	5000000	5000000	
Y	Crude Oil Basis Swap - Argus WTI Midland (1st month) - Argus Media	Argus WTI Argus WTI ENERGY	Argus	1306	M.IONM	M.IONM	M.IONM	Basis Swa	Crude Oil	barrels	NYMEX W	Argus Mee	Argus WTI	NYMEX W last busin	1	barrel	5000000	5000000	
Y	Crude Oil Basis Swap - Argus WTI Midland (1st month) - Argus Media TMA	Argus WTI Argus WTI ENERGY	Argus	1307	M.ERTY	M.ERTY	M.ERTY	Basis Swa	Crude Oil	barrels	NYMEX W	Argus Mee	Argus WTI	NYMEX W last busin	1	barrel	5000000	5000000	
Y	Crude Oil Basis Swap - Argus WTS (1st month) - Argus Media	Argus WTS Argus WTS ENERGY	Argus	1308	M.LOPF	M.LOPF	M.LOPF	Basis Swa	Crude Oil	barrels	NYMEX W	Argus Mee	Argus WTS	NYMEX W last busin	1	barrel	5000000	5000000	
Y	Crude Oil Basis Swap - Argus WTS (1st month) - Argus Media TMA	Argus WTS Argus WTS ENERGY	Argus	1309	M.99D3	M.99D3	M.99D3	Basis Swa	Crude Oil	barrels	NYMEX W	Argus Mee	Argus WTS	NYMEX W last busin	1	barrel	5000000	5000000	
Y	Crude Oil Basis Swap - UHC Clearbrook - NE2 CMI	Net Energ NE2 Crude ENERGY	NE2	1310	M.FELT	M.FELT	M.FELT	Basis Swa	Crude Oil	barrels	NYMEX W	NE2 CMI	UHC Clear	NYMEX W last busin	1	barrel	5000000	5000000	
Y	Crude Oil Fixed Swap - Argus LLS - Argus Media	Argus LLS Argus Crude ENERGY	Argus	1311	M.4YX5	M.4YX5	M.4YX5	Fixed Swa	Crude Oil	barrels	Argus Crude	Argus Mee	Argus LLS	last business day of t	1	barrel	5000000	5000000	
Y	Crude Oil Fixed Swap - Argus WTI Houston - Argus Media	Argus WTI Argus Crude ENERGY	Argus	1312	M.98GQ	M.98GQ	M.98GQ	Fixed Swa	Crude Oil	barrels	Argus Crude	Argus Mee	Argus WTI	Houston	last business day of t	1	barrel	5000000	5000000
Y	Crude Oil Fixed Swap - Argus WTI Houston - Argus Media TMA	Argus WTI Argus Crude ENERGY	Argus	1313	M.Q21C	M.Q21C	M.Q21C	Fixed Swa	Crude Oil	barrels	Argus Crude	Argus Mee	Argus WTI	Houston	last busin	1	barrel	5000000	5000000
Y	Crude Oil Fixed Swap - Argus WTI Midland - Argus Media	Argus WTI Argus Crude ENERGY	Argus																

Y	Crude Oil Roll Swap - WTI Diff to CMA NYMEX - NYMEX TMA	NYMEX W NYMEX W ENERGY	NYMEX	1328	M.LKDI	M.LKDI	M.LKDI	Roll Swap	Crude Oil	barrels	NYMEX W NYMEX	WTI Diff to CMA NYN last busin TMA	1	barrel	5,000,000	5,000,000
Y	Aluminum Roll Swap - 1M Aluminum Roll - LME Aluminum CMA Swap - LME	LME Alum LME Alum METALS	LME	1510	A.529	A.539	A.529	Roll Swap	Aluminum MT		LME Alum LME	LME Alum Second M last business day of t	1	metric ton	125,000	125000
Y	Aluminum Roll Swap - 2M Aluminum Roll - LME Aluminum CMA Swap - LME	LME Alum LME Alum METALS	LME	1511	A.530	A.530	A.530	Roll Swap	Aluminum MT		LME Alum LME	LME Alum Third Mon last business day of t	1	metric ton	125,000	125000