



PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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PRICE INDICATOR KEY

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION, N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

ENERGY OPTIONS ON FUTURES

BA CALL	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT. PRICE & PT. CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
BRENT AVERAGE PRICE OPTION												
AUG18												
6900	----	----	----	----	----	3.28 + 0.19	.9850	----	----	----	----	25 UNCH
7900	----	----	----	----	----	0.01 UNCH	.0090	----	----	----	----	100 UNCH
11500	----	----	----	----	----	0.01 UNCH	----	----	----	----	----	19 UNCH
TOTAL												144
SEP18												
6900	----	----	----	----	----	3.83 + 0.24	.7516	----	----	----	----	25 UNCH
7200	----	----	----	----	----	1.92 + 0.15	.5189	----	----	----	----	115 UNCH
7900	----	----	----	----	----	0.20 + 0.02	.0887	----	----	----	----	100 UNCH
11500	----	----	----	----	----	0.01 UNCH	.0026	----	----	----	----	18 UNCH
TOTAL												258
OCT18												
11500	----	----	----	----	----	0.01 UNCH	.0027	----	----	----	----	17 UNCH
TOTAL												17
NOV18												
11500	----	----	----	----	----	0.01 UNCH	.0028	----	----	----	----	16 UNCH
TOTAL												16
DEC18												
7650	----	----	----	----	----	2.44 + 0.11	.3678	----	----	----	----	135 UNCH
11500	----	----	----	----	----	0.02 UNCH	.0050	----	----	----	----	15 UNCH
TOTAL												150
JAN19												
9750	----	----	----	----	----	0.25 UNCH	.0498	----	----	----	----	75 UNCH
9850	----	----	----	----	----	0.23 UNCH	.0459	----	----	----	----	25 UNCH
11500	----	----	----	----	----	0.04 UNCH	.0090	----	----	----	----	15 UNCH
TOTAL												115
FEB19												
9750	----	----	----	----	----	0.29 + 0.03	.0553	----	----	----	----	75 UNCH
9850	----	----	----	----	----	0.27 + 0.04	.0515	----	----	----	----	25 UNCH
11500	----	----	----	----	----	0.05 + 0.01	.0107	----	----	----	----	14 UNCH
TOTAL												114
MAR19												
7775	----	----	----	----	----	3.04 + 0.14	.3653	----	----	----	----	125 UNCH
8460	----	----	----	----	----	1.46 + 0.10	.2105	----	----	----	----	95 UNCH
9750	----	----	----	----	----	0.40 + 0.04	.0691	----	----	----	----	75 UNCH
9850	----	----	----	----	----	0.36 + 0.03	.0630	----	----	----	----	25 UNCH
11500	----	----	----	----	----	0.08 + 0.01	.0157	----	----	----	----	13 UNCH
TOTAL												333
APR19												
8460	----	----	----	----	----	1.69 + 0.05	.2254	----	----	----	----	95 UNCH
9750	----	----	----	----	----	0.54 + 0.02	.0845	----	----	----	----	75 UNCH
9850	----	----	----	----	----	0.50 + 0.02	.0787	----	----	----	----	25 UNCH
11500	----	----	----	----	----	0.13 + 0.01	.0229	----	----	----	----	13 UNCH
TOTAL												208
MAY19												
8500	----	----	----	----	----	1.78 + 0.04	.2278	----	----	----	----	95 UNCH
9750	----	----	----	----	----	0.63 + 0.02	.0934	----	----	----	----	75 UNCH
9850	----	----	----	----	----	0.58 + 0.02	.0868	----	----	----	----	25 UNCH
11500	----	----	----	----	----	0.17 UNCH	.0281	----	----	----	----	12 UNCH
TOTAL												207
JUN19												
7750	----	----	----	----	----	3.80 + 0.04	.3881	----	----	----	----	110 UNCH
8500	----	----	----	----	----	1.95 + 0.02	.2373	----	----	----	----	115 UNCH
9750	----	----	----	----	----	0.71 + 0.01	.1008	----	----	----	----	75 UNCH
9850	----	----	----	----	----	0.66 UNCH	.0944	----	----	----	----	25 UNCH
11500	----	----	----	----	----	0.21 UNCH	.0330	----	----	----	----	12 UNCH
TOTAL												337
JUL19												
8500	----	----	----	----	----	2.11 - 0.01	.2455	----	----	----	----	110 UNCH
9750	----	----	----	----	----	0.79 - 0.03	.1077	----	----	----	----	75 UNCH
9850	----	----	----	----	----	0.73 - 0.03	.1006	----	----	----	----	25 UNCH
11500	----	----	----	----	----	0.23 - 0.01	.0353	----	----	----	----	11 UNCH
TOTAL												221
AUG19												
8525	----	----	----	----	----	2.18 + 0.03	.2468	----	----	----	----	110 UNCH
9750	----	----	----	----	----	0.85 + 0.01	.1126	----	----	----	----	75 UNCH
9850	----	----	----	----	----	0.80 + 0.02	.1065	----	----	----	----	25 UNCH
11500	----	----	----	----	----	0.26 UNCH	.0386	----	----	----	----	11 UNCH
TOTAL												221
SEP19												
8500	----	----	----	----	----	2.37 + 0.04	.2575	----	----	----	----	115 UNCH
9750	----	----	----	----	----	0.95 + 0.02	.1205	----	----	----	----	75 UNCH
9850	----	----	----	----	----	0.89 + 0.02	.1138	----	----	----	----	25 UNCH
11500	----	----	----	----	----	0.32 UNCH	.0450	----	----	----	----	10 UNCH
TOTAL												225
OCT19												
8450	----	----	----	----	----	2.60 + 0.07	.2708	----	----	----	----	115 UNCH
9750	----	----	----	----	----	1.02 + 0.03	.1257	----	----	----	----	75 UNCH
9850	----	----	----	----	----	0.96 + 0.03	.1191	----	----	----	----	25 UNCH
11500	----	----	----	----	----	0.39 + 0.01	.0519	----	----	----	----	10 UNCH
TOTAL												225
NOV19												
8375	----	----	----	----	----	2.83 + 0.07	.2851	----	----	----	----	120 UNCH
9750	----	----	----	----	----	1.00 + 0.03	.1238	----	----	----	----	75 UNCH
9850	----	----	----	----	----	0.94 + 0.02	.1172	----	----	----	----	25 UNCH
11500	----	----	----	----	----	0.34 + 0.01	.0469	----	----	----	----	9 UNCH
TOTAL												229
DEC19												
9750	----	----	----	----	----	0.95 + 0.02	.1195	----	----	----	----	75 UNCH
9850	----	----	----	----	----	0.89 + 0.02	.1128	----	----	----	----	25 UNCH
11500	----	----	----	----	----	0.31 + 0.01	.0438	----	----	----	----	9 UNCH
TOTAL												109
JAN20												
7045	----	----	----	----	----	7.49 + 0.09	.5385	----	----	----	----	125 UNCH
11500	----	----	----	----	----	0.30 + 0.01	.0427	----	----	----	----	9 UNCH
TOTAL												134
FEB20												
7045	----	----	----	----	----	7.51 + 0.09	.5352	----	----	----	----	125 UNCH
11500	----	----	----	----	----	0.40 + 0.01	.0526	----	----	----	----	8 UNCH
TOTAL												133
MAR20												
7045	----	----	----	----	----	7.50 + 0.09	.5320	----	----	----	----	125 UNCH
11500	----	----	----	----	----	0.43 + 0.01	.0554	----	----	----	----	8 UNCH
TOTAL												133
APR20												
6955	----	----	----	----	----	7.86 + 0.09	.5461	----	----	----	----	125 UNCH

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PRELIMINARY

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	GLOBEX OPEN	OPEN OPEN	OUTCRY RANGE	GLOBEX HIGH/LOW	OPEN HIGH/LOW	OUTCRY CLOSE	OUTCRY RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
BA CALL														
APR20														
11500	----	----	----	----	----	----	----	0.47 UNCH	.0589	----	----	----	----	8 UNCH
TOTAL														133
MAY20														
6955	----	----	----	----	----	----	----	7.88 + 0.07	.5430	----	----	----	----	125 UNCH
11500	----	----	----	----	----	----	----	0.42 UNCH	.0543	----	----	----	----	7 UNCH
TOTAL														132
JUN20														
6955	----	----	----	----	----	----	----	7.87 + 0.08	.5399	----	----	----	----	125 UNCH
11500	----	----	----	----	----	----	----	0.44 + 0.03	.0561	----	----	----	----	7 UNCH
TOTAL														132
JUL20														
6900	----	----	----	----	----	----	----	8.11 + 0.10	.5470	----	----	----	----	130 UNCH
11500	----	----	----	----	----	----	----	0.43 + 0.02	.0551	----	----	----	----	7 UNCH
TOTAL														137
AUG20														
6900	----	----	----	----	----	----	----	8.09 + 0.14	.5436	----	----	----	----	130 UNCH
11500	----	----	----	----	----	----	----	0.51 + 0.03	.0622	----	----	----	----	7 UNCH
TOTAL														137
SEP20														
6900	----	----	----	----	----	----	----	8.09 + 0.17	.5412	----	----	----	----	130 UNCH
11500	----	----	----	----	----	----	----	0.58 + 0.04	.0681	----	----	----	----	6 UNCH
TOTAL														136
OCT20														
6950	----	----	----	----	----	----	----	7.84 + 0.20	.5290	----	----	----	----	110 UNCH
11500	----	----	----	----	----	----	----	0.63 + 0.05	.0721	----	----	----	----	6 UNCH
TOTAL														116
NOV20														
6900	----	----	----	----	----	----	----	8.03 + 0.20	.5353	----	----	----	----	110 UNCH
11500	----	----	----	----	----	----	----	0.69 + 0.05	.0768	----	----	----	----	6 UNCH
TOTAL														116
DEC20														
11500	----	----	----	----	----	----	----	0.73 + 0.05	.0798	----	----	----	----	6 UNCH
TOTAL														6
JAN21														
11500	----	----	----	----	----	----	----	0.77 + 0.04	.0827	----	----	----	----	6 UNCH
TOTAL														6
FEB21														
11500	----	----	----	----	----	----	----	0.82 + 0.05	.0864	----	----	----	----	6 UNCH
TOTAL														6
MAR21														
11500	----	----	----	----	----	----	----	0.87 + 0.05	.0899	----	----	----	----	5 UNCH
TOTAL														5
APR21														
11500	----	----	----	----	----	----	----	0.92 + 0.04	.0934	----	----	----	----	5 UNCH
TOTAL														5
MAY21														
11500	----	----	----	----	----	----	----	0.94 + 0.04	.0947	----	----	----	----	5 UNCH
TOTAL														5
JUN21														
11500	----	----	----	----	----	----	----	0.96 + 0.04	.0960	----	----	----	----	5 UNCH
TOTAL														5
JUL21														
11500	----	----	----	----	----	----	----	0.97 + 0.03	.0966	----	----	----	----	5 UNCH
TOTAL														5
AUG21														
11500	----	----	----	----	----	----	----	0.99 + 0.03	.0979	----	----	----	----	5 UNCH
TOTAL														5
SEP21														
11500	----	----	----	----	----	----	----	1.01 + 0.03	.0992	----	----	----	----	5 UNCH
TOTAL														5
OCT21														
11500	----	----	----	----	----	----	----	1.03 + 0.03	.1005	----	----	----	----	5 UNCH
TOTAL														5
NOV21														
11500	----	----	----	----	----	----	----	1.07 + 0.03	.1031	----	----	----	----	4 UNCH
TOTAL														4
DEC21														
11500	----	----	----	----	----	----	----	1.11 + 0.02	.1056	----	----	----	----	4 UNCH
TOTAL														4
JAN22														
11500	----	----	----	----	----	----	----	1.16 + 0.02	.1088	----	----	----	----	4 UNCH
TOTAL														4
FEB22														
11500	----	----	----	----	----	----	----	1.21 + 0.03	.1118	----	----	----	----	4 UNCH
TOTAL														4
MAR22														
11500	----	----	----	----	----	----	----	1.26 + 0.03	.1149	----	----	----	----	4 UNCH
TOTAL														4
APR22														
11500	----	----	----	----	----	----	----	1.31 + 0.03	.1179	----	----	----	----	4 UNCH
TOTAL														4
MAY22														
11500	----	----	----	----	----	----	----	1.33 + 0.03	.1190	----	----	----	----	4 UNCH
TOTAL														4
JUN22														
11500	----	----	----	----	----	----	----	1.35 + 0.02	.1202	----	----	----	----	4 UNCH
TOTAL														4
JUL22														
11500	----	----	----	----	----	----	----	1.38 + 0.03	.1219	----	----	----	----	4 UNCH
TOTAL														4
AUG22														
11500	----	----	----	----	----	----	----	1.40 + 0.02	.1231	----	----	----	----	4 UNCH
TOTAL														4
SEP22														
11500	----	----	----	----	----	----	----	1.43 + 0.03	.1248	----	----	----	----	4 UNCH
TOTAL														4
OCT22														
11500	----	----	----	----	----	----	----	1.45 + 0.02	.1259	----	----	----	----	4 UNCH
TOTAL														4
NOV22														
11500	----	----	----	----	----	----	----	1.49 + 0.02	.1282	----	----	----	----	3 UNCH

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GLOBAL OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
BA CALL BRENT AVERAGE PRICE OPTION											
BA CALL											3
TOTAL											3
DEC22	----	----	----	----	1.53 + 0.03	.1304	----	----	----	----	3 UNCH
TOTAL											3
JAN23	----	----	----	----	1.57 + 0.03	.1326	----	----	----	----	3 UNCH
TOTAL											3
FEB23	----	----	----	----	1.61 + 0.03	.1348	----	----	----	----	3 UNCH
TOTAL											3
MAR23	----	----	----	----	1.65 + 0.03	.1369	----	----	----	----	3 UNCH
TOTAL											3
APR23	----	----	----	----	1.69 + 0.03	.1391	----	----	----	----	3 UNCH
TOTAL											3
MAY23	----	----	----	----	1.73 + 0.03	.1412	----	----	----	----	3 UNCH
TOTAL											3
JUN23	----	----	----	----	1.78 + 0.04	.1438	----	----	----	----	3 UNCH
TOTAL											3
JUL23	----	----	----	----	1.82 + 0.04	.1459	----	----	----	----	3 UNCH
TOTAL											3
AUG23	----	----	----	----	1.86 + 0.03	.1479	----	----	----	----	3 UNCH
TOTAL											3
SEP23	----	----	----	----	1.91 + 0.04	.1504	----	----	----	----	3 UNCH
TOTAL											3
OCT23	----	----	----	----	1.95 + 0.03	.1524	----	----	----	----	3 UNCH
TOTAL											3
BA PUT BRENT AVERAGE PRICE OPTION											
AUG18	----	----	----	----	0.01 UNCH	.0000	----	----	----	----	25 UNCH
5500	----	----	----	----	0.01 UNCH	.0046	----	----	----	----	190 UNCH
6000	----	----	----	----			----	----	----	----	215 UNCH
TOTAL											215
SEP18	----	----	----	----	0.01 UNCH	.0038	----	----	----	----	25 UNCH
5500	----	----	----	----	0.03 UNCH	.0128	----	----	----	----	190 UNCH
6000	----	----	----	----			----	----	----	----	215 UNCH
TOTAL											215
OCT18	----	----	----	----	0.19 - 0.02	.0502	----	----	----	----	190 UNCH
6000	----	----	----	----			----	----	----	----	190 UNCH
TOTAL											190
NOV18	----	----	----	----	0.45 - 0.01	.0872	----	----	----	----	190 UNCH
6000	----	----	----	----			----	----	----	----	190 UNCH
TOTAL											190
DEC18	----	----	----	----	0.75 - 0.01	.1172	----	----	----	----	190 UNCH
6000	----	----	----	----			----	----	----	----	190 UNCH
TOTAL											190
JAN20	----	----	----	----	5.72 - 0.05	.3442	----	----	----	----	125 UNCH
6450	----	----	----	----			----	----	----	----	125 UNCH
TOTAL											125
FEB20	----	----	----	----	5.90 - 0.06	.3489	----	----	----	----	125 UNCH
6450	----	----	----	----			----	----	----	----	125 UNCH
TOTAL											125
MAR20	----	----	----	----	6.09 - 0.07	.3531	----	----	----	----	125 UNCH
6450	----	----	----	----			----	----	----	----	125 UNCH
TOTAL											125
APR20	----	----	----	----	5.99 - 0.08	.3395	----	----	----	----	125 UNCH
6350	----	----	----	----			----	----	----	----	125 UNCH
TOTAL											125
MAY20	----	----	----	----	6.03 - 0.09	.3431	----	----	----	----	125 UNCH
6350	----	----	----	----			----	----	----	----	125 UNCH
TOTAL											125
JUN20	----	----	----	----	6.20 - 0.08	.3472	----	----	----	----	125 UNCH
6350	----	----	----	----			----	----	----	----	125 UNCH
TOTAL											125
JUL20	----	----	----	----	6.08 - 0.05	.3381	----	----	----	----	130 UNCH
6275	----	----	----	----			----	----	----	----	130 UNCH
TOTAL											130
AUG20	----	----	----	----	6.32 - 0.02	.3426	----	----	----	----	130 UNCH
6275	----	----	----	----			----	----	----	----	130 UNCH
TOTAL											130
SEP20	----	----	----	----	6.51 UNCH	.3458	----	----	----	----	130 UNCH
6275	----	----	----	----			----	----	----	----	130 UNCH
TOTAL											130
OCT20	----	----	----	----	6.91 + 0.02	.3582	----	----	----	----	110 UNCH
6325	----	----	----	----			----	----	----	----	110 UNCH
TOTAL											110
NOV20	----	----	----	----	6.94 + 0.02	.3571	----	----	----	----	110 UNCH
6300	----	----	----	----			----	----	----	----	110 UNCH
TOTAL											110
9C CALL BRENT CRUDE OIL 1 M CSO FIN											
OCT18					0.01 UNCH	.0425	----	----	----	----	500 UNCH
35	----	----	----	----	0.01 UNCH	.0309	----	----	----	----	3000 UNCH
40	----	----	----	----	0.01 UNCH	.0154	----	----	----	----	6002 UNCH
50	----	----	----	----	0.01 UNCH	.0105	----	----	----	----	1000 UNCH
55	----	----	----	----	0.01 UNCH	.0071	----	----	----	----	3500 UNCH
60	----	----	----	----	0.01 UNCH	.0030	----	----	----	----	6800 UNCH
70	----	----	----	----	0.01 UNCH	.0019	----	----	----	----	500 UNCH
75	----	----	----	----	0.01 UNCH	.0012	----	----	----	----	1000 UNCH
80	----	----	----	----	0.01 UNCH	.0007	----	----	----	----	1000 UNCH
85	----	----	----	----	0.01 UNCH	.0004	----	----	----	----	850 UNCH
90	----	----	----	----	0.01 UNCH	.0001	----	----	----	----	2000 UNCH
100	----	----	----	----			----	----	----	----	26152 UNCH
TOTAL											26152
NOV18											



PRELIMINARY

PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include 9C CALL NOV18, DEC18, JAN19, FEB19, MAR19, APR19, MAY19, JUN19, JUL19, AUG19, SEP19, OCT19, NOV19, DEC19, 9C PUT OCT18, NOV18, DEC18, and B2O CALL OCT18.

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include BZ0 CALL, BRENT CRUDE OIL, NOV18, and DEC18.

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GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
BZ0 CALL BRENT CRUDE OIL FUT MARGIN OPT											
DEC18											
7750		1.50B/1.22A	1.50B/1.22A		1.33 + 0.09	.2788					60 UNCH
7800		1.38B/1.12A	1.38B/1.12A		1.22 + 0.08	.2604					925 UNCH
7850		1.27B/1.03A	1.27B/1.03A		1.12 + 0.08	.2431					267 UNCH
7900		1.16B/0.94A	1.16B/0.94A		1.02 + 0.07	.2259					60 UNCH
7950		1.06B/0.87A	1.06B/0.87A		0.94 + 0.06	.2109					27 UNCH
8000		0.97B/0.79A	0.97B/0.79A		0.86 + 0.06	.1961					12787 UNCH
8050		0.89B/0.73A	0.89B/0.73A		0.79 + 0.05	.1825					50 UNCH
8100		0.81B/-----	0.81B/-----		0.72 + 0.05	.1690					200 UNCH
8200		0.68B/-----	0.68B/-----		0.61 + 0.05	.1463					200 UNCH
8250		0.62B/-----	0.62B/-----		0.56 + 0.04	.1359					68 UNCH
8400		0.48B/0.40A	0.48B/0.40A		0.44 + 0.03	.1095					800 UNCH
8500		0.41B/-----	0.41B/-----		0.37 + 0.02	.0939					1264 UNCH
8750		0.27B/-----	0.27B/-----		0.25 + 0.01	.0654					50 UNCH
8800		0.25B/-----	0.25B/-----		0.23 + 0.01	.0606					1600 UNCH
9000		0.19B/-----	0.19B/-----		0.17 UNCH	.0456					5001 UNCH
9200		0.15B/-----	0.15B/-----		0.13 UNCH	.0352					300 UNCH
9350		0.12B/-----	0.12B/-----		0.11 UNCH	.0297					17 UNCH
9500		0.10B/-----	0.10B/-----		0.09 UNCH	.0244					3067 UNCH
9850					0.06 - 0.01	.0163					53 UNCH
9900					0.06 UNCH	.0161					106 UNCH
10000					0.05 - 0.01	.0136					10750 UNCH
10050					0.05 UNCH	.0135					100 UNCH
10500					0.03 - 0.01	.0081					100 UNCH
11250					0.01 - 0.01	.0022					20 UNCH
TOTAL									1		62230
JAN19											
6500		9.07B/8.31A	9.07B/8.31A		8.58 + 0.22	.7846					200 UNCH
7450		3.13B/2.72A	3.13B/2.72A		2.87 + 0.12	.4321					225 UNCH
7950		1.54B/-----	1.54B/-----		1.39 + 0.07	.2545					40 UNCH
8000		1.43B/-----	1.43B/-----		1.29 + 0.07	.2400					200 UNCH
8200		1.06B/-----	1.06B/-----		0.96 + 0.06	.1888					100 UNCH
8300		0.91B/-----	0.91B/-----		0.83 + 0.05	.1671					45 UNCH
8350		0.85B/-----	0.85B/-----		0.77 + 0.05	.1569					35 UNCH
8450		0.73B/-----	0.73B/-----		0.67 + 0.04	.1391					40 UNCH
8550		0.63B/-----	0.63B/-----		0.58 + 0.03	.1228					50 UNCH
8850		0.42B/-----	0.42B/-----		0.40 + 0.03	.0873					45 UNCH
9150		0.29B/-----	0.29B/-----		0.27 + 0.01	.0610					50 UNCH
TOTAL											1030
FEB19											
7500		3.41B/3.01A	3.41B/3.01A		3.17 + 0.12	.4278					300 UNCH
7600		3.01B/2.66A	3.01B/2.66A		2.81 + 0.12	.3936					800 UNCH
8000		1.80B/-----	1.80B/-----		1.68 + 0.09	.2701					2000 UNCH
8150		1.48B/-----	1.48B/-----		1.38 + 0.08	.2316					50 UNCH
8500		0.93B/-----	0.93B/-----		0.88 + 0.05	.1599					2300 UNCH
9000		0.50B/-----	0.50B/-----		0.48 + 0.03	.0940					600 UNCH
9450		0.31B/-----	0.31B/-----		0.30 + 0.02	.0607					36 UNCH
9500		0.29B/-----	0.29B/-----		0.29 + 0.02	.0586					300 UNCH
10000		0.19B/-----	0.19B/-----		0.19 + 0.01	.0387					1000 UNCH
TOTAL											7386
MAR19											
6400		10.54B/9.85A	10.54B/9.85A		10.08 + 0.20	.7644					200 UNCH
7250		5.06B/4.58A	5.06B/4.58A		4.80 + 0.17	.5193					200 UNCH
7500		3.89B/3.50A	3.89B/3.50A		3.69 + 0.16	.4399					650 UNCH
8000		2.21B/-----	2.21B/-----		2.08 + 0.10	.2944					100 UNCH
8500		1.24B/-----	1.24B/-----		1.17 + 0.06	.1867					100 UNCH
11150		0.12B/-----	0.12B/-----		0.09 - 0.01	.0180					50 UNCH
12250		0.06B/-----	0.06B/-----		0.03 UNCH	.0064					50 UNCH
13000		0.04B/-----	0.04B/-----		0.01 UNCH	.0016					89 UNCH
13500		0.03B/-----	0.03B/-----		0.01 UNCH	.0008					150 UNCH
15250					0.01 UNCH	.0000					293 UNCH
TOTAL											1882
JUN19											
6400					10.72 + 0.14	.7213					100 UNCH
6500					10.04 + 0.14	.6996					1500 UNCH
6800					8.14 + 0.15	.6299					100 UNCH
7250					5.67 + 0.13	.5156					200 UNCH
7350					5.20 + 0.13	.4895					1100 UNCH
7500					4.55 + 0.12	.4503					825 UNCH
8000		2.97B/-----	2.97B/-----		2.86 + 0.09	.3280					700 UNCH
8300		2.23B/-----	2.23B/-----		2.16 + 0.07	.2657					500 UNCH
8500		1.84B/-----	1.84B/-----		1.80 + 0.06	.2301					100 UNCH
8750		1.45B/-----	1.45B/-----		1.45 + 0.06	.1926					100 UNCH
9500		0.75B/-----	0.75B/-----		0.77 + 0.03	.1119					100 UNCH
12100		0.15B/-----	0.15B/-----		0.10 + 0.01	.0174					50 UNCH
12400		0.12B/-----	0.12B/-----		0.08 + 0.01	.0141					50 UNCH
12450		0.12B/-----	0.12B/-----		0.08 + 0.01	.0140					50 UNCH
TOTAL											5475
DEC19											
6500					10.84 + 0.13	.6587					1000 UNCH
7000					7.99 + 0.12	.5605					2 UNCH
7100					7.49 + 0.13	.5400					400 UNCH
7300					6.55 + 0.13	.4988					6 UNCH
7400					6.11 + 0.13	.4781					5 UNCH
8000					3.92 + 0.08	.3579					2000 UNCH
8500					2.70 + 0.06	.2727					500 UNCH
9000					1.88 + 0.05	.2052					1000 UNCH
9500					1.33 + 0.03	.1541					8000 UNCH
10000					0.98 + 0.03	.1180					200 UNCH
10500					0.74 + 0.02	.0915					12000 UNCH
11000					0.58 + 0.02	.0728					400 UNCH
TOTAL											25513
JUN20											
7000					8.10 + 0.10	.5418					250 UNCH
8000					4.15 + 0.06	.3557					250 UNCH
TOTAL											500
DEC20											
6850					8.87 + 0.22	.5527					150 UNCH
TOTAL											150
BZ0 PUT BRENT CRUDE OIL FUT MARGIN OPT											
OCT18											
4400					0.01 UNCH						250 UNCH
4800					0.01 UNCH						500 UNCH
4850					0.01 UNCH						125 UNCH
5350					0.01 UNCH						200 UNCH
5450					0.01 UNCH	.0000					100 UNCH
5500					0.01 UNCH	.0000					748 UNCH
5600					0.01 UNCH	.0000					1250 UNCH
5650					0.01 UNCH	.0000					1 UNCH
5700					0.01 UNCH	.0001					1250 UNCH
5750					0.01 UNCH	.0002					1250 UNCH
5800					0.01 UNCH	.0003					1451 UNCH
5850					0.01 UNCH	.0005					651 UNCH
5900					0.01 UNCH	.0008					180 UNCH
5950					0.01 UNCH	.0013					9 UNCH
6000					0.01 UNCH	.0021					2276 UNCH
6050					0.01 - 0.01	.0031					91 UNCH
6100					0.01 - 0.01	.0046					



2018 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

20 South Wacker Drive, Chicago, Illinois 60606-7499.

Customer Service: (312) 930-1000

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OPEN	OPEN OUTCRY	GLOBEX	OPEN OUTCRY	OPEN OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX®	PNT	OPEN
OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
								VOLUME			
BZO PUT BRENT CRUDE OIL FUT MARGIN OPT											
TOTAL 539											
FEB19											
5050	----	----/0.16A	----/0.16A	----	0.17 UNCH	.0283	----	----	----	----	191 UNCH
5400	----	----/0.29A	----/0.29A	----	0.32 - 0.01	.0513	----	----	----	----	100 UNCH
5450	----	----/0.31A	----/0.31A	----	0.35 - 0.01	.0557	----	----	----	----	50 UNCH
5500	----	----/0.34A	----/0.34A	----	0.38 - 0.01	.0601	----	----	----	----	300 UNCH
6500	----	1.88B/1.66A	1.88B/1.66A	----	1.82 - 0.01	.2376	----	----	----	----	2000 UNCH
6900	----	3.17B/2.84A	3.17B/2.84A	----	3.08 - 0.03	.3597	----	----	----	----	100 UNCH
7000	----	3.57B/3.22A	3.57B/3.22A	----	3.48 - 0.04	.3938	----	----	----	----	2000 UNCH
TOTAL 4741											
MAR19											
4800	----	----/0.17A	----/0.17A	----	0.17 - 0.01	.0256	----	----	----	----	200 UNCH
5000	----	----/0.23A	----/0.23A	----	0.25 - 0.01	.0365	----	----	----	----	450 UNCH
5500	----	----/0.52A	----/0.52A	----	0.58 - 0.01	.0787	----	----	----	----	950 UNCH
5600	----	----/0.61A	----/0.61A	----	0.68 - 0.01	.0906	----	----	----	----	200 UNCH
5700	----	----/0.72A	----/0.72A	----	0.79 - 0.01	.1036	----	----	----	----	175 UNCH
6000	----	1.25B/1.12A	1.25B/1.12A	----	1.22 - 0.01	.1512	----	----	----	----	200 UNCH
6500	----	2.41B/2.18A	2.41B/2.18A	----	2.34 - 0.02	.2601	----	----	----	----	350 UNCH
6800	----	3.39B/3.09A	3.39B/3.09A	----	3.32 - 0.02	.3421	----	----	----	----	100 UNCH
7000	----	4.18B/3.83A	4.18B/3.83A	----	4.11 - 0.03	.4020	----	----	----	----	200 UNCH
TOTAL 2825											
JUN19											
4500	----	----/0.58A	----/0.58A	----	0.29 UNCH	.0337	----	----	----	----	800 UNCH
5000	----	1.23B/1.15A	1.23B/1.15A	----	0.61 UNCH	.0667	----	----	----	----	1100 UNCH
5500	----	2.23B/2.07A	2.23B/2.07A	----	1.21 - 0.01	.1214	----	----	----	----	400 UNCH
6000	----	3.65B/3.42A	3.65B/3.42A	----	2.19 - 0.01	.2000	----	----	----	----	1600 UNCH
6500	----	----	----	----	3.60 - 0.03	.3003	----	----	----	----	2050 UNCH
7000	----	----	----	----	5.54 - 0.02	.4197	----	----	----	----	600 UNCH
7500	----	----	----	----	8.11 - 0.05	.5496	----	----	----	----	300 UNCH
TOTAL 6850											
DEC19											
2500	----	----	----	----	0.02 UNCH	.0022	----	----	----	----	500 UNCH
3500	----	----	----	----	0.17 UNCH	.0165	----	----	----	----	400 UNCH
4000	----	----	----	----	0.38 UNCH	.0348	----	----	----	----	600 UNCH
4500	----	----	----	----	0.78 UNCH	.0662	----	----	----	----	500 UNCH
5000	----	----	----	----	1.48 - 0.01	.1142	----	----	----	----	500 UNCH
5500	----	----	----	----	2.52 - 0.02	.1774	----	----	----	----	300 UNCH
6000	----	----	----	----	3.91 - 0.03	.2537	----	----	----	----	300 UNCH
6500	----	----	----	----	5.62 - 0.05	.3412	----	----	----	----	1000 UNCH
7000	----	----	----	----	7.77 - 0.06	.4394	----	----	----	----	302 UNCH
7300	----	----	----	----	9.33 - 0.05	.5011	----	----	----	----	6 UNCH
7400	----	----	----	----	9.89 - 0.05	.5218	----	----	----	----	5 UNCH
TOTAL 4413											
OS CALL BRENT CRUDE OIL OPTIONS											
DEC18											
5000	----	----	----	----	22.16 + 0.27	.9907	----	----	----	----	24 UNCH
TOTAL 24											
DEC19											
8000	----	----	----	----	3.84 + 0.08	.3552	----	----	----	----	50 UNCH
TOTAL 50											
OS PUT BRENT CRUDE OIL OPTIONS											
DEC18											
3800	----	----	----	----	0.01 UNCH	.0000	----	----	----	----	24 UNCH
4800	----	----	----	----	0.02 - 0.01	.0048	----	----	----	----	1000 UNCH
6400	----	----	----	----	0.77 - 0.02	.1526	----	----	----	----	24 UNCH
TOTAL 1048											
BE CALL BRENT EURO STYLE OPTION											
DEC18											
6150	----	----	----	----	11.06 + 0.25	.9044	----	----	----	----	1000 UNCH
6350	----	----	----	----	9.31 + 0.25	.8608	----	----	----	----	1000 UNCH
7000	----	----	----	----	4.44 + 0.20	.6261	----	----	----	----	464 UNCH
7100	----	----	----	----	3.86 + 0.19	.5787	----	----	----	----	1000 UNCH
7150	----	----	----	----	3.58 + 0.18	.5543	----	----	----	----	2753 UNCH
7300	----	----	----	----	2.84 + 0.15	.4803	----	----	----	----	6000 UNCH
7350	----	----	----	----	2.62 + 0.15	.4557	----	----	----	----	3000 UNCH
7400	----	----	----	----	2.41 + 0.13	.4313	----	----	----	----	750 UNCH
7450	----	----	----	----	2.22 + 0.13	.4075	----	----	----	----	1000 UNCH
7500	----	----	----	----	2.04 + 0.12	.3841	----	----	----	----	1000 UNCH
7900	----	----	----	----	1.02 + 0.07	.2259	----	----	----	----	360 UNCH
7950	----	----	----	----	0.93 + 0.05	.2098	----	----	----	----	1000 UNCH
8000	----	----	----	----	0.86 + 0.06	.1961	----	----	----	----	3658 UNCH
8100	----	----	----	----	0.72 + 0.05	.1690	----	----	----	----	2310 UNCH
8200	----	----	----	----	0.61 + 0.05	.1463	----	----	----	----	1000 UNCH
8250	----	----	----	----	0.56 + 0.04	.1359	----	----	----	----	1000 UNCH
8400	----	----	----	----	0.43 + 0.03	.1079	----	----	----	----	3500 UNCH
8500	----	----	----	----	0.37 + 0.02	.0939	----	----	----	----	3600 UNCH
8650	----	----	----	----	0.29 + 0.01	.0752	----	----	----	----	2000 UNCH
9400	----	----	----	----	0.10 - 0.01	.0272	----	----	----	----	1000 UNCH
10500	----	----	----	----	0.03 - 0.01	.0081	----	----	----	----	653 UNCH
TOTAL 38048											
MAR19											
7150	----	----	----	----	5.25 + 0.17	.5508	----	----	----	1543	0 - 1543
7300	----	----	----	----	4.52 + 0.17	.5028	----	----	----	1550	1550 UNCH
7350	----	----	----	----	4.29 + 0.17	.4867	----	----	----	605	605 UNCH
7700	----	----	----	----	2.92 + 0.13	.3773	----	----	----	1000	1000 UNCH
7800	----	----	----	----	2.60 + 0.11	.3478	----	----	----	1000	0 - 1000
7900	----	----	----	----	2.32 + 0.11	.3200	----	----	----	----	1422 UNCH
8000	----	----	----	----	2.06 + 0.10	.2932	----	----	----	----	700 UNCH
8200	----	----	----	----	1.63 + 0.08	.2450	----	----	----	1600	1600 UNCH
8300	----	----	----	----	1.46 + 0.08	.2241	----	----	----	1600	0 - 1600
8400	----	----	----	----	1.30 + 0.06	.2041	----	----	----	----	1422 UNCH
8500	----	----	----	----	1.16 + 0.06	.1858	----	----	----	----	700 UNCH
TOTAL 8898 8999 - 4143											
JUN19											
7000	----	----	----	----	6.87 + 0.15	.5801	----	----	----	----	3772 UNCH
TOTAL 3772											
SEP19											
7800	----	----	----	----	4.02 + 0.02	.3870	----	----	----	----	1000 UNCH
8500	----	----	----	----	2.23 - 0.02	.2523	----	----	----	----	1250 UNCH
TOTAL 2250											
DEC19											
7200	----	----	----	----	6.81 + 0.13	.5171	----	----	----	----	1000 UNCH
7300	----	----	----	----	6.36 + 0.12	.4960	----	----	----	----	1000 UNCH
7600	----	----	----	----	5.13 + 0.10	.4333	----	----	----	----	1000 UNCH
7800	----	----	----	----	4.42 + 0.09	.3926	----	----	----	----	1450 UNCH
7900	----	----	----	----	4.11 + 0.09	.3733	----	----	----	----	1450 UNCH
8200	----	----	----	----	3.28 + 0.07	.3180	----	----	----	----	1530 UNCH
9000	----	----	----	----	1.82 + 0.04	.2016	----	----	----	----	40 UNCH
11000	----	----	----	----	0.56 + 0.02	.0711	----	----	----	----	125 UNCH
TOTAL 7595											
BE PUT BRENT EURO STYLE OPTION											



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PRELIMINARY

PG63 BULLETIN #159@ ENERGY OPTIONS Fri, Aug 17, 2018 PG63

THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC), OPEN OUTCRY (TRADING FLOOR) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARING TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

PRICE INDICATOR KEY

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION, N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

BE PUT	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
NOV18												
6650	----	----	----	----	----	0.62 - 0.05	.1695	----	----	----	----	500 UNCH
TOTAL												500 UNCH
DEC18												
3900	----	----	----	----	----	0.01 UNCH	.0000	----	----	----	----	1000 UNCH
4250	----	----	----	----	----	0.01 UNCH	.0005	----	----	----	----	500 UNCH
4500	----	----	----	----	----	0.01 UNCH	.0016	----	----	----	----	1000 UNCH
5000	----	----	----	----	----	0.04 UNCH	.0092	----	----	----	----	908 UNCH
5600	----	----	----	----	----	0.14 - 0.02	.0319	----	----	----	----	6000 UNCH
5850	----	----	----	----	----	0.24 - 0.02	.0533	----	----	----	----	1000 UNCH
6200	----	----	----	----	----	0.50 - 0.03	.1050	----	----	----	----	4000 UNCH
6250	----	----	----	----	----	0.56 - 0.02	.1159	----	----	----	----	1000 UNCH
6350	----	----	----	----	----	0.69 - 0.02	.1391	----	----	----	----	1500 UNCH
6400	----	----	----	----	----	0.77 - 0.02	.1526	----	----	----	----	2000 UNCH
6500	----	----	----	----	----	0.93 - 0.03	.1801	----	----	----	----	320 UNCH
6700	----	----	----	----	----	1.35 - 0.05	.2467	----	----	----	----	3000 UNCH
6750	----	----	----	----	----	1.48 - 0.05	.2659	----	----	----	----	1000 UNCH
6900	----	----	----	----	----	1.94 - 0.06	.3285	----	----	----	----	1000 UNCH
7000	----	----	----	----	----	2.30 - 0.07	.3738	----	----	----	----	4100 UNCH
TOTAL												28328 UNCH
FEB19												
5000	----	----	----	----	----	0.16 UNCH	.0265	----	----	----	----	795 UNCH
TOTAL												795 UNCH
MAR19												
6600	----	----	----	----	----	2.61 - 0.02	.2854	----	----	----	----	650 UNCH
6800	----	----	----	----	----	3.29 - 0.01	.3416	----	----	----	----	2000 UNCH
6900	----	----	----	----	----	3.67 - 0.02	.3713	----	----	----	----	5005 UNCH
7000	----	----	----	----	----	4.07 - 0.03	.4018	----	----	----	----	4368 UNCH
TOTAL												12023 UNCH
JUN19												
6900	----	----	----	----	----	5.03 - 0.02	.3944	----	----	----	----	347 UNCH
7000	----	----	----	----	----	5.45 - 0.02	.4198	----	----	----	----	402 UNCH
TOTAL												749 UNCH
WCI CALL	CANADIAN HEAVY CRUDE OIL APO											
SEP18												
-1350C	----	----	----	----	----	0.001 UNCH	.0001	----	----	----	----	210 UNCH
-1300C	----	----	----	----	----	0.001 UNCH	.0000	----	----	----	----	290 UNCH
TOTAL												500 UNCH
OCT18												
-1350C	----	----	----	----	----	0.001 UNCH	.0007	----	----	----	----	210 UNCH
-1300C	----	----	----	----	----	0.001 UNCH	.0004	----	----	----	----	290 UNCH
TOTAL												500 UNCH
NOV18												
-1350C	----	----	----	----	----	0.001 UNCH	.0009	----	----	----	----	210 UNCH
-1300C	----	----	----	----	----	0.001 UNCH	.0005	----	----	----	----	290 UNCH
TOTAL												500 UNCH
DEC18												
-1350C	----	----	----	----	----	0.001 UNCH	.0009	----	----	----	----	210 UNCH
-1300C	----	----	----	----	----	0.001 UNCH	.0006	----	----	----	----	290 UNCH
TOTAL												500 UNCH
WCI PUT	CANADIAN HEAVY CRUDE OIL APO											
SEP18												
-1550C	----	----	----	----	----	14.228 UNCH	.9993	----	----	----	----	170 UNCH
TOTAL												170 UNCH
OCT18												
-1550C	----	----	----	----	----	10.732 UNCH	.9962	----	----	----	----	170 UNCH
TOTAL												170 UNCH
NOV18												
-1550C	----	----	----	----	----	8.969 + 0.001	.9945	----	----	----	----	170 UNCH
TOTAL												170 UNCH
DEC18												
-1550C	----	----	----	----	----	8.704 + 0.001	.9941	----	----	----	----	170 UNCH
TOTAL												170 UNCH
CE3 OOC	CHICAGO ETHANOL 3 MTH CAL SPD OPT											
SEP18												
200	----	----	----	----	----	0.0022 - 0.0007	.2014	----	----	----	----	25 UNCH
250	----	----	----	----	----	0.0008 - 0.0004	.0971	----	----	----	----	25 UNCH
300	----	----	----	----	----	0.0002 - 0.0001	.0314	----	----	----	----	100 UNCH
TOTAL												150 UNCH
CVR CALL	CHICAGO ETHANOL (PLATTS) APO											
AUG18												
14000	----	----	----	----	----	0.0033 - 0.0013	.2309	----	----	----	----	279 UNCH
14500	----	----	----	----	----	0.0001 UNCH	.0088	----	----	----	----	305 UNCH
15000	----	----	----	----	----	0.0001 UNCH	.0000	----	----	----	----	1175 UNCH
15500	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	580 UNCH
16000	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	290 UNCH
16500	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	410 UNCH
17000	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	200 UNCH
TOTAL												3239 UNCH
SEP18												
14000	----	----	----	----	----	0.0127 - 0.0031	.2995	----	----	----	----	175 UNCH
14500	----	----	----	----	----	0.0038 - 0.0016	.1124	----	----	----	----	40 UNCH
15000	----	----	----	----	----	0.0009 - 0.0005	.0316	----	----	----	----	290 UNCH
15500	----	----	----	----	----	0.0002 - 0.0001	.0078	----	----	----	----	885 UNCH
16000	----	----	----	----	----	0.0001 UNCH	.0036	----	----	----	----	115 UNCH
16500	----	----	----	----	----	0.0001 UNCH	.0006	----	----	----	----	100 UNCH
17000	----	----	----	----	----	0.0001 UNCH	.0001	----	----	----	----	25 UNCH
TOTAL												1630 UNCH
OCT18												
15000	----	----	----	----	----	0.0052 - 0.0009	.1057	----	----	----	----	25 UNCH
15500	----	----	----	----	----	0.0022 - 0.0004	.0497	----	----	----	----	130 UNCH
16000	----	----	----	----	----	0.0009 - 0.0002	.0221	----	----	----	----	5 UNCH
16500	----	----	----	----	----	0.0004 UNCH	.102	----	----	----	----	150 UNCH
TOTAL												310 UNCH
NOV18												
15000	----	----	----	----	----	0.0100 - 0.0015	.1546	----	----	----	----	15 UNCH
15500	----	----	----	----	----	0.0052 - 0.0009	.0888	----	----	----	----	130 UNCH
16000	----	----	----	----	----	0.0027 - 0.0004	.0497	----	----	----	----	5 UNCH
16500	----	----	----	----	----	0.0013 - 0.0003	.0258	----	----	----	----	150 UNCH
TOTAL												300 UNCH
DEC18												
14500	----	----	----	----	----	0.0235 - 0.0018	.2806	----	----	----	----	20 UNCH
15000	----	----	----	----	----	0.0146 - 0.0012	.1898	----	----	----	----	15 UNCH
15500	----	----	----	----	----	0.0090 - 0.0008	.1253	----	----	----	----	55 UNCH

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.
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PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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PRICE INDICATOR KEY

R= RECORD VOLUME OR OPEN INTEREST, B= BID, A=ASK, P= POST SETTLEMENT SESSION, N= NOMINAL CLOSE, WHICH DESIGNATES THAT THE CONTRACT DID NOT TRADE DURING THE RTH SESSION AND NO BETTER BID OR BETTER OFFER OCCURRED DURING THE RTH CLOSING RANGE TIME PERIOD. IN ALL INSTANCES, THE NOMINAL PRICE IS THE PREVIOUS DAY'S SETTLEMENT PRICE.

GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
CVR CALL CHICAGO ETHANOL(PLATTS) APO											
DEC18											
16000	----	----	----	----	0.0054 - 0.0006	.0802	----	----	----	----	5 UNCH
16500	----	----	----	----	0.0032 - 0.0004	.0502	----	----	----	----	60 UNCH
TOTAL											155
JAN19											
14500	----	----	----	----	0.0254 - 0.0013	.2896	----	----	----	----	20 UNCH
TOTAL											20
FEB19											
14500	----	----	----	----	0.0317 - 0.0007	.3285	----	----	----	----	20 UNCH
TOTAL											20
CVR PUT CHICAGO ETHANOL(PLATTS) APO											
AUG18											
13500	----	----	----	----	0.0002 - 0.0001	.0263	----	----	----	----	125 UNCH
14000	----	----	----	----	0.0208 + 0.0012	.7691	----	----	----	----	310 UNCH
14500	----	----	----	----	0.0675 + 0.0025	.9911	----	----	----	----	215 UNCH
TOTAL											650
SEP18											
13000	----	----	----	----	0.0058 + 0.0010	.1592	----	----	----	----	150 UNCH
13500	----	----	----	----	0.0205 + 0.0024	.4145	----	----	----	----	100 UNCH
14000	----	----	----	----	0.0501 + 0.0044	.7004	----	----	----	----	220 UNCH
14500	----	----	----	----	0.0911 + 0.0059	.8875	----	----	----	----	75 UNCH
15000	----	----	----	----	0.1381 + 0.0070	.9683	----	----	----	----	10 UNCH
TOTAL											555
OCT18											
13000	----	----	----	----	0.0166 + 0.0016	.2592	----	----	----	----	290 UNCH
13500	----	----	----	----	0.0351 + 0.0030	.4454	----	----	----	----	225 UNCH
14000	----	----	----	----	0.0635 + 0.0044	.6401	----	----	----	----	50 UNCH
14500	----	----	----	----	0.1011 + 0.0058	.7980	----	----	----	----	20 UNCH
15000	----	----	----	----	0.1446 + 0.0066	.8942	----	----	----	----	50 UNCH
TOTAL											635
NOV18											
13000	----	----	----	----	0.0230 + 0.0020	.2937	----	----	----	----	25 UNCH
13500	----	----	----	----	0.0442 + 0.0033	.4574	----	----	----	----	125 UNCH
14000	----	----	----	----	0.0734 + 0.0045	.6183	----	----	----	----	50 UNCH
14500	----	----	----	----	0.1100 + 0.0053	.7524	----	----	----	----	20 UNCH
15000	----	----	----	----	0.1516 + 0.0059	.8453	----	----	----	----	15 UNCH
TOTAL											235
DEC18											
13000	----	----	----	----	0.0304 + 0.0010	.3176	----	----	----	----	25 UNCH
13500	----	----	----	----	0.0516 + 0.0016	.4580	----	----	----	----	150 UNCH
14000	----	----	----	----	0.0801 + 0.0024	.5990	----	----	----	----	50 UNCH
14500	----	----	----	----	0.1153 + 0.0032	.7193	----	----	----	----	20 UNCH
15000	----	----	----	----	0.1560 + 0.0038	.8101	----	----	----	----	15 UNCH
TOTAL											260
CQA CALL COAL API2 ARGUS/MCCLOS QTR OPT											
OCT18											
8600	----	----	----	----	10.91 + 1.32	.9909	----	----	----	----	100 UNCH
9000	----	----	----	----	7.06 + 1.20	.9353	----	----	----	----	50 UNCH
9100	----	----	----	----	6.15 + 1.13	.9035	----	----	----	----	40 UNCH
9500	----	----	----	----	3.04 + 0.76	.6657	----	----	----	----	100 UNCH
10000	----	----	----	----	0.81 + 0.27	.2677	----	----	----	----	275 UNCH
10500	----	----	----	----	0.12 + 0.05	.0521	----	----	----	----	50 UNCH
TOTAL											615
JAN19											
9500	----	----	----	----	4.07 + 0.61	.4608	----	----	----	----	575 UNCH
10000	----	----	----	----	2.45 + 0.41	.3183	----	----	----	----	150 UNCH
TOTAL											725
CQA PUT COAL API2 ARGUS/MCCLOS QTR OPT											
OCT18											
8450	----	----	----	----	0.01 - 0.01	.0045	----	----	----	----	20 UNCH
8600	----	----	----	----	0.02 - 0.02	.0090	----	----	----	----	100 UNCH
TOTAL											120
JAN19											
8000	----	----	----	----	0.82 - 0.21	.1217	----	----	----	----	175 UNCH
TOTAL											175
CLA CALL COAL API2 ARGUS/MCCLOS CALNDR OPT											
JAN19											
7900	----	----	----	----	11.69 + 1.22	.8324	----	----	----	----	50 UNCH
8000	----	----	----	----	10.88 + 1.19	.8107	----	----	----	----	145 UNCH
8300	----	----	----	----	8.61 + 1.03	.7351	----	----	----	----	25 UNCH
8400	----	----	----	----	7.93 + 0.99	.7070	----	----	----	----	25 UNCH
8500	----	----	----	----	7.28 + 0.94	.6752	----	----	----	----	55 UNCH
8600	----	----	----	----	6.67 + 0.90	.6439	----	----	----	----	25 UNCH
9000	----	----	----	----	4.53 + 0.69	.5109	----	----	----	----	100 UNCH
9200	----	----	----	----	3.68 + 0.59	.4448	----	----	----	----	50 UNCH
9300	----	----	----	----	3.31 + 0.55	.4130	----	----	----	----	25 UNCH
9500	----	----	----	----	2.64 + 0.45	.3517	----	----	----	----	300 UNCH
10000	----	----	----	----	1.45 + 0.28	.2225	----	----	----	----	200 UNCH
10500	----	----	----	----	0.76 + 0.17	.1313	----	----	----	----	25 UNCH
12000	----	----	----	----	0.08 + 0.02	.0183	----	----	----	----	150 UNCH
13000	----	----	----	----	0.02 + 0.01	.0050	----	----	----	----	25 UNCH
14000	----	----	----	----	0.01 UNCH	.0024	----	----	----	----	365 UNCH
TOTAL											1565
JAN20											
8400	----	----	----	----	8.65 + 0.69	.5512	----	----	----	----	25 UNCH
TOTAL											25
CLA PUT COAL API2 ARGUS/MCCLOS CALNDR OPT											
JAN19											
5500	----	----	----	----	0.01 UNCH	.0019	----	----	----	----	5 UNCH
6000	----	----	----	----	0.03 - 0.01	.0058	----	----	----	----	165 UNCH
6500	----	----	----	----	0.10 - 0.02	.0178	----	----	----	----	285 UNCH
6700	----	----	----	----	0.15 - 0.04	.0261	----	----	----	----	50 UNCH
7000	----	----	----	----	0.27 - 0.06	.0446	----	----	----	----	235 UNCH
7500	----	----	----	----	0.65 - 0.14	.0980	----	----	----	----	230 UNCH
7800	----	----	----	----	1.05 - 0.20	.1481	----	----	----	----	50 UNCH
7900	----	----	----	----	1.21 - 0.24	.1675	----	----	----	----	50 UNCH
8000	----	----	----	----	1.40 - 0.27	.1893	----	----	----	----	400 UNCH
8200	----	----	----	----	1.84 - 0.36	.2375	----	----	----	----	100 UNCH
8300	----	----	----	----	2.11 - 0.42	.2648	----	----	----	----	5 UNCH
8500	----	----	----	----	2.77 - 0.51	.3247	----	----	----	----	50 UNCH
9100	----	----	----	----	5.54 - 0.81	.5225	----	----	----	----	25 UNCH
TOTAL											1650
MTO CALL COAL API2 CIF ARA ARGSMCCLOSKEY OP											
AUG18											
4500	----	----	----	----	53.16 + 0.40	.9955	----	----	----	----	20 UNCH
5600	----	----	----	----	42.17 + 0.40	.9731	----	----	----	----	5 UNCH



PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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Table with columns: MTO CALL, COAL, API2, CIF, ARA, ARGSMCCLOSKEY, OP, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include SEP18, OCT18, NOV18, DEC18 for various contract types (MTO, MFO, RLA, AO).



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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include AUG18, SEP18, and OCT18 contracts.



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ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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ENERGY OPTIONS

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include AO CALL, CRUDE OIL APO OPTIONS, MAR19, APR19, MAY19 with various contract specifications and volume data.



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ENERGY OPTIONS

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ENERGY OPTIONS

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ENERGY OPTIONS

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ENERGY OPTIONS

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ENERGY OPTIONS

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ENERGY OPTIONS

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PRELIMINARY



PG63 BULLETIN #159@

ENERGY OPTIONS

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AO PUT	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST	
MAY20		CRUDE OIL APO	OPTIONS										
5500	----	----	----	----	----	5.06 - 0.04	.3284	----	----	----	----	50	UNCH
6000	----	----	----	----	----	7.08 - 0.04	.4344	----	----	----	----	2	UNCH
8640	----	----	----	----	----	25.90 - 0.19	.8778	----	----	----	----	31	UNCH
8750	----	----	----	----	----	26.89 - 0.18	.8861	----	----	----	----	31	UNCH
TOTAL												646	
JUN20													
3000	----	----	----	----	----	0.23 - 0.01	.0230	----	----	----	----	1	UNCH
3800	----	----	----	----	----	0.89 - 0.02	.0765	----	----	----	----	5	UNCH
4000	----	----	----	----	----	1.18 - 0.03	.0973	----	----	----	----	60	UNCH
4100	----	----	----	----	----	1.36 - 0.02	.1093	----	----	----	----	8	UNCH
4200	----	----	----	----	----	1.54 - 0.03	.1214	----	----	----	----	75	UNCH
4500	----	----	----	----	----	2.19 - 0.03	.1622	----	----	----	----	115	UNCH
5000	----	----	----	----	----	3.55 - 0.04	.2412	----	----	----	----	206	UNCH
5100	----	----	----	----	----	3.86 - 0.04	.2585	----	----	----	----	30	UNCH
5200	----	----	----	----	----	4.18 - 0.04	.2763	----	----	----	----	30	UNCH
5500	----	----	----	----	----	5.22 - 0.03	.3330	----	----	----	----	50	UNCH
8640	----	----	----	----	----	26.08 - 0.18	.8765	----	----	----	----	30	UNCH
8750	----	----	----	----	----	27.04 - 0.20	.8855	----	----	----	----	30	UNCH
TOTAL												640	
JUL20													
3000	----	----	----	----	----	0.24 - 0.02	.0239	----	----	----	----	1	UNCH
4000	----	----	----	----	----	1.26 - 0.03	.1015	----	----	----	----	60	UNCH
4100	----	----	----	----	----	1.43 - 0.04	.1131	----	----	----	----	8	UNCH
4200	----	----	----	----	----	1.63 - 0.04	.1258	----	----	----	----	75	UNCH
4500	----	----	----	----	----	2.29 - 0.05	.1667	----	----	----	----	100	UNCH
5000	----	----	----	----	----	3.69 - 0.04	.2461	----	----	----	----	205	UNCH
5100	----	----	----	----	----	4.00 - 0.04	.2634	----	----	----	----	31	UNCH
5200	----	----	----	----	----	4.33 - 0.03	.2812	----	----	----	----	31	UNCH
5500	----	----	----	----	----	5.38 - 0.03	.3378	----	----	----	----	50	UNCH
8640	----	----	----	----	----	26.27 - 0.17	.8751	----	----	----	----	31	UNCH
8750	----	----	----	----	----	27.23 - 0.19	.8841	----	----	----	----	31	UNCH
TOTAL												623	
AUG20													
3000	----	----	----	----	----	0.27 - 0.01	.0261	----	----	----	----	1	UNCH
4000	----	----	----	----	----	1.33 - 0.04	.1052	----	----	----	----	60	UNCH
4100	----	----	----	----	----	1.51 - 0.05	.1170	----	----	----	----	8	UNCH
4200	----	----	----	----	----	1.71 - 0.05	.1296	----	----	----	----	75	UNCH
4500	----	----	----	----	----	2.39 - 0.05	.1709	----	----	----	----	100	UNCH
5000	----	----	----	----	----	3.81 - 0.05	.2504	----	----	----	----	190	UNCH
5100	----	----	----	----	----	4.13 - 0.04	.2677	----	----	----	----	31	UNCH
5200	----	----	----	----	----	4.46 - 0.03	.2855	----	----	----	----	31	UNCH
5500	----	----	----	----	----	5.53 - 0.02	.3420	----	----	----	----	50	UNCH
8640	----	----	----	----	----	26.42 - 0.18	.8746	----	----	----	----	31	UNCH
8750	----	----	----	----	----	27.38 - 0.20	.8835	----	----	----	----	31	UNCH
TOTAL												608	
SEP20													
3000	----	----	----	----	----	0.29 - 0.02	.0276	----	----	----	----	1	UNCH
4000	----	----	----	----	----	1.41 - 0.04	.1090	----	----	----	----	60	UNCH
4200	----	----	----	----	----	1.80 - 0.05	.1336	----	----	----	----	75	UNCH
4500	----	----	----	----	----	2.49 - 0.06	.1748	----	----	----	----	100	UNCH
5000	----	----	----	----	----	3.94 - 0.04	.2543	----	----	----	----	190	UNCH
5100	----	----	----	----	----	4.26 - 0.04	.2715	----	----	----	----	30	UNCH
5200	----	----	----	----	----	4.59 - 0.03	.2892	----	----	----	----	30	UNCH
5500	----	----	----	----	----	5.68 - 0.01	.3456	----	----	----	----	50	UNCH
8640	----	----	----	----	----	26.55 - 0.19	.8732	----	----	----	----	30	UNCH
8750	----	----	----	----	----	27.53 - 0.18	.8811	----	----	----	----	30	UNCH
TOTAL												596	
OCT20													
3000	----	----	----	----	----	0.31 - 0.02	.0290	----	----	----	----	1	UNCH
4000	----	----	----	----	----	1.46 - 0.06	.1115	----	----	----	----	60	UNCH
4200	----	----	----	----	----	1.86 - 0.07	.1364	----	----	----	----	75	UNCH
4500	----	----	----	----	----	2.57 - 0.07	.1780	----	----	----	----	100	UNCH
5000	----	----	----	----	----	4.04 - 0.05	.2576	----	----	----	----	190	UNCH
5100	----	----	----	----	----	4.37 - 0.04	.2748	----	----	----	----	31	UNCH
5200	----	----	----	----	----	4.71 - 0.03	.2926	----	----	----	----	31	UNCH
5500	----	----	----	----	----	5.80 - 0.02	.3487	----	----	----	----	50	UNCH
8640	----	----	----	----	----	26.67 - 0.19	.8718	----	----	----	----	31	UNCH
8750	----	----	----	----	----	27.63 - 0.20	.8805	----	----	----	----	31	UNCH
TOTAL												600	
NOV20													
3000	----	----	----	----	----	0.34 - 0.02	.0310	----	----	----	----	1	UNCH
4000	----	----	----	----	----	1.56 - 0.05	.1158	----	----	----	----	60	UNCH
4200	----	----	----	----	----	1.97 - 0.05	.1407	----	----	----	----	75	UNCH
4500	----	----	----	----	----	2.69 - 0.06	.1820	----	----	----	----	100	UNCH
5000	----	----	----	----	----	4.17 - 0.04	.2611	----	----	----	----	190	UNCH
5100	----	----	----	----	----	4.49 - 0.04	.2782	----	----	----	----	30	UNCH
5200	----	----	----	----	----	4.83 - 0.03	.2958	----	----	----	----	30	UNCH
5500	----	----	----	----	----	5.93 - 0.02	.3518	----	----	----	----	50	UNCH
8640	----	----	----	----	----	26.84 - 0.20	.8656	----	----	----	----	30	UNCH
8750	----	----	----	----	----	27.80 - 0.20	.8741	----	----	----	----	30	UNCH
TOTAL												596	
DEC20													
3000	----	----	----	----	----	0.40 - UNCH	.0347	----	----	----	----	1	UNCH
4000	----	----	----	----	----	1.70 - 0.01	.1217	----	----	----	----	60	UNCH
4200	----	----	----	----	----	2.13 - UNCH	.1467	----	----	----	----	75	UNCH
4500	----	----	----	----	----	2.85 - 0.01	.1875	----	----	----	----	100	UNCH
5000	----	----	----	----	----	4.31 - 0.01	.2657	----	----	----	----	190	UNCH
5100	----	----	----	----	----	4.63 - 0.02	.2827	----	----	----	----	31	UNCH
5200	----	----	----	----	----	4.97 - 0.02	.3003	----	----	----	----	31	UNCH
5500	----	----	----	----	----	6.06 - 0.03	.3562	----	----	----	----	50	UNCH
8640	----	----	----	----	----	27.19 - 0.19	.8524	----	----	----	----	31	UNCH
8750	----	----	----	----	----	28.15 - 0.20	.8597	----	----	----	----	31	UNCH
TOTAL												600	
JAN21													
4000	----	----	----	----	----	1.78 - 0.01	.1252	----	----	----	----	61	UNCH
5000	----	----	----	----	----	4.43 - 0.01	.2696	----	----	----	----	185	UNCH
TOTAL												246	
FEB21													
4000	----	----	----	----	----	1.85 - 0.01	.1281	----	----	----	----	61	UNCH
5000	----	----	----	----	----	4.53 - 0.01	.2726	----	----	----	----	185	UNCH
TOTAL												246	
MAR21													
4000	----	----	----	----	----	1.92 - 0.01	.1311	----	----	----	----	61	UNCH
5000	----	----	----	----	----	4.63 - 0.01	.2758						



PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include sections for APO PUT, STRP PUT, and CALL options for various months (JUL, AUG, SEP, OCT, NOV, DEC).

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.



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ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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GLOBAL OPEN	OPEN RANGE	OUTCRY HIGH/LOW	GLOBEX HIGH/LOW	OPEN HIGH/LOW	OUTCRY HIGH/LOW	SETT. PRICE & PT. CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
LO4 CALL CRUDE OIL OPTIONS												
AUG18												
6650	0.48	0.48	0.53B/0.27A	0.53B/0.27A	----	0.37 + 0.03	.2678	----	----	7	----	76 + 2
6700	0.36	0.36	0.39/0.19	0.39/0.19	----	0.26 + 0.01	.1972	----	----	27	----	103 + 5
6750	----	----	0.26B/0.13A	0.26B/0.13A	----	0.18 + 0.01	.1412	----	----	6	----	90 UNCH
6800	0.09	0.09	0.18B/*0.09	0.18B/*0.09	----	0.12	UNCH .0971	----	----	78	----	119 + 38
6850	0.10	0.10	0.12B/*0.06	0.12B/*0.06	----	0.08 - 0.01	.0658	----	----	2	----	9 + 1
6900	----	----	0.08B/0.05A	0.08B/0.05A	----	0.05 - 0.01	.0419	----	----	----	----	15 UNCH
6950	0.04	0.04	0.06B/*0.04	0.06B/*0.04	----	0.03 - 0.02	.0254	----	----	1	----	3 + 1
7000	0.04	0.04	0.04/*0.02	0.04/*0.02	----	0.02 - 0.01	.0167	----	----	64	----	88 + 49
7050	0.03	0.03	0.03/*0.02	0.03/*0.02	----	0.01 - 0.01	.0084	----	----	5	----	27 + 5
7100	----	----	----	----	----	0.01	UNCH .0045	----	----	----	----	1 UNCH
7150	0.02	0.02	0.02/0.02	0.02/0.02	----	0.01	UNCH .0023	----	----	1	----	4 + 1
7200	0.01	0.01	#0.01/*0.01	#0.01/*0.01	----	0.01	UNCH .0005	----	----	1	----	2 + 1
7250	0.01	0.01	#0.01/*0.01	#0.01/*0.01	----	0.01	NEW .0001	----	----	2	----	2 + 2
7300	0.01	0.01	0.01/0.01	0.01/0.01	----	0.01	UNCH .0000	----	----	4	----	5 + 4
7400	0.01	0.01	0.01/0.01	0.01/0.01	----	0.01	UNCH .0000	----	----	1	----	2 + 1
7450	0.01	0.01	0.01/0.01	0.01/0.01	----	0.01	UNCH .0000	----	----	1	----	2 + 1
TOTAL										354		990 + 199
LO4 PUT CRUDE OIL OPTIONS												
AUG18												
5000	----	----	----	----	----	0.01	UNCH .0000	----	----	----	----	10 UNCH
5600	----	----	----	----	----	0.01	UNCH .0000	----	----	----	----	5 UNCH
5700	0.01	0.01	#0.01/*0.01	#0.01/*0.01	----	0.01	NEW .0001	----	----	5	----	5 + 5
5750	0.01	0.01	#0.01/*0.01	#0.01/*0.01	----	0.01	NEW .0004	----	----	2	----	2 + 2
5800	----	----	----	----	----	0.01	UNCH .0008	----	----	----	----	1 UNCH
5850	----	----	----	----	----	0.01	UNCH .0018	----	----	----	----	59 UNCH
5950	0.02	0.02	0.02/*0.02	0.02/*0.02	----	0.01	UNCH .0072	----	----	6	----	39 UNCH
6000	0.05	0.05	0.05/*0.02	0.05/*0.02	----	0.02 - 0.03	.0142	----	----	44	----	63 + 43
6050	0.03	0.03	0.04/*0.02	0.04/*0.02	----	0.03 - 0.04	.0217	----	----	8	----	39 + 8
6100	0.05	0.05	0.05/*0.04	0.05/*0.04	----	0.04 - 0.06	.0301	----	----	44	----	68 + 18
6150	----	----	----	----	----	0.06	UNCH .0455	----	----	----	----	12 UNCH
6200	0.10	0.10	0.12B/0.08A	0.12B/0.08A	----	0.10 - 0.07	.0734	----	----	121	----	173 + 96
6250	----	----	----	----	----	0.14	UNCH .1033	----	----	----	----	18 UNCH
6300	0.23	0.23	0.26B/0.16A	0.26B/0.16A	----	0.20 - 0.12	.1456	----	----	159	----	179 + 104
6350	0.26	0.26	0.38/0.22A	0.38/0.22A	----	0.28 - 0.15	.2001	----	----	53	----	125 + 51
6400	0.38	0.38	0.60B/0.30A	0.60B/0.30A	----	0.40 - 0.18	.2724	----	----	124	----	158 + 61
6450	0.74	0.74	0.74/0.42A	0.74/0.42A	----	0.55 - 0.22	.3563	----	----	74	----	117 + 28
6500	0.62	0.62	1.02B/0.58A	1.02B/0.58A	----	0.74 - 0.25	.4515	----	----	66	----	165 + 8
6550	0.83	0.83	1.08B/0.79A	1.08B/0.79A	----	1.00 - 0.27	.5520	----	----	3	----	122 - 1
6600	----	----	----	----	----	1.31	UNCH .6470	----	----	----	----	325 UNCH
6650	----	----	----	----	----	1.66	UNCH .7322	----	----	----	----	191 UNCH
6700	----	----	----	----	----	2.05	UNCH .8027	----	----	----	----	3 UNCH
6750	----	----	----	----	----	2.47	UNCH .8587	----	----	----	----	50 UNCH
6800	----	----	----	----	----	2.91	UNCH .9028	----	----	----	----	9 UNCH
6900	----	----	----	----	----	3.84	UNCH .9580	----	----	----	----	25 UNCH
6950	----	----	----	----	----	4.32	UNCH .9745	----	----	----	----	2 UNCH
TOTAL										709		1965 + 423
LO5 CALL CRUDE OIL OPTIONS												
AUG18												
6400	----	----	#2.03B/----	#2.03B/----	----	1.94 + 0.15	.6647	----	----	----	----	2 UNCH
6450	----	----	#1.70B/1.42A	#1.70B/1.42A	----	1.63 + 0.14	.6022	----	----	----	----	4 UNCH
6500	1.35	1.35	#1.59B/*1.16A	#1.59B/*1.16A	----	1.35 + 0.13	.5370	----	----	1	----	2 + 1
6600	----	----	1.08B/0.75A	1.08B/0.75A	----	0.89 + 0.09	.4055	----	----	----	----	25 UNCH
6650	----	----	0.87B/0.60A	0.87B/0.60A	----	0.71 + 0.08	.3435	----	----	----	----	16 UNCH
6700	0.66	0.66	#0.71/0.47A	#0.71/0.47A	----	0.56 + 0.06	.2861	----	----	3	----	2 + 1
6750	----	----	#0.53B/0.37A	#0.53B/0.37A	----	0.43 + 0.04	.2328	----	----	----	----	4 UNCH
6800	0.34	0.34	0.41B/0.26	0.41B/0.26	----	0.33 + 0.03	.1872	----	----	64	----	64 + 62
6850	0.25	0.25	#0.32B/0.23A	#0.32B/0.23A	----	0.26 + 0.02	.1513	----	----	3	----	35 + 3
6900	0.24	0.24	0.24/0.17	0.24/0.17	----	0.20 + 0.01	.1200	----	----	13	----	53 UNCH
6950	0.20	0.20	#0.20/0.15A	#0.20/0.15A	----	0.16 + 0.01	.0969	----	----	1	----	12 + 1
7000	0.11	0.11	#0.15B/0.11	#0.15B/0.11	----	0.13 + 0.01	.0790	----	----	2	----	3 + 2
7100	----	----	0.09B/----	0.09B/----	----	0.08	UNCH .0496	----	----	----	----	50 UNCH
TOTAL										87		272 + 70
LO5 PUT CRUDE OIL OPTIONS												
AUG18												
5650	----	----	----	----	----	0.02	UNCH .0107	----	----	----	----	1 UNCH
5750	----	----	----	----	----	0.03	UNCH .0166	----	----	----	----	1 UNCH
5850	----	----	----	----	----	0.05	UNCH .0278	----	----	----	----	16 UNCH
6000	----	----	----	----	----	0.10	UNCH .0564	----	----	----	----	15 UNCH
6050	0.12	0.12	0.15B/*0.12	0.15B/*0.12	----	0.13 - 0.06	.0726	----	----	2	----	3 + 2
6100	0.16	0.16	#0.19/*0.16	#0.19/*0.16	----	0.17	NEW .0933	----	----	7	----	7 + 7
6150	0.21	0.21	0.25B/*0.20	0.25B/*0.20	----	0.22 - 0.08	.1186	----	----	13	----	14 + 13
6200	----	----	----	----	----	0.29	UNCH .1512	----	----	----	----	1 UNCH
6250	0.36	0.36	0.42B/0.34A	0.42B/0.34A	----	0.37 - 0.11	.1878	----	----	1	----	4 + 1
6300	0.39	0.39	0.54B/*0.39	0.54B/*0.39	----	0.47 - 0.13	.2311	----	----	1	----	12 UNCH
6400	0.82	0.82	#0.86B/*0.64A	#0.86B/*0.64A	----	0.73	NEW .3352	----	----	1	----	1 + 1
6450	0.77	0.77	1.13B/0.77	1.13B/0.77	----	0.92 - 0.19	.3977	----	----	4	----	4 + 3
6500	1.06	1.06	1.37B/0.98A	1.37B/0.98A	----	1.14 - 0.20	.4629	----	----	20	----	23 + 20
6550	----	----	1.64B/1.19A	1.64B/1.19A	----	1.39 - 0.22	.5293	----	----	----	----	3 UNCH
TOTAL										49		105 + 47
CPF CALL CSX COAL OPT ON QTRLY FUT STRP												
OCT18												
6000	----	----	----	----	----	5.32	UNCH .9967	----	----	----	----	10 UNCH
TOTAL												10
DAP OFF EIA FLAT TAX ON-HIGHWAY DIESEL APO												
AUG18												
30000	----	----	----	----	----	0.1833	- 0.0002	.9927	----	----	----	6 UNCH
TOTAL												6
SEP18												
30000	----	----	----	----	----	0.1762	- 0.0006	.7614	----	----	----	6 UNCH
TOTAL												6
OCT18												
30000	----	----	----	----	----	0.2131	+ 0.0044	.6869	----	----	----	6 UNCH
TOTAL												6
NOV18												
30000	----	----	----	----	----	0.2383	- 0.0002	.6588	----	----	----	6 UNCH
TOTAL												6
DEC18												
30000	----	----	----	----	----	0.2421	+ 0.0015	.6292	----	----	----	6 UNCH
TOTAL												6
LB CALL EURO HEATING OIL												
SEP18												
23500	----	----	----	----	----	0.0005	- 0.0003	.0104	----	----	----	50 UNCH
TOTAL												50
OCT18												
23500	----	----	----	----	----	0.0054	- 0.0002	.0745	----	----	----	50 UNCH
25500	----	----	----	----	----	0.0004	- 0.0001	.0069	----	----	----	50 UNCH
TOTAL												100
NOV18												
23100	----	----	----	----	----	0.0235	UNCH .1996	----	----	----	----	1 UNCH

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CME Group, Inc.
20 South Wacker Drive, Chicago, Illinois 60606-7499.
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PRELIMINARY

PG63 BULLETIN #159@ ENERGY OPTIONS Fri, Aug 17, 2018 PG63

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GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
LB CALL EURO HEATING OIL											
NOV18											
23500	----	----	----	----	0.0175 - 0.0001	.1571	----	----	----	----	50 UNCH
25500	----	----	----	----	0.0036 - 0.0001	.0399	----	----	----	----	50 UNCH
TOTAL											101
DEC18											
23100	----	----	----	----	0.0365 + 0.0005	.2489	----	----	----	----	2 UNCH
23500	----	----	----	----	0.0290 + 0.0003	.2074	----	----	----	----	50 UNCH
25500	----	----	----	----	0.0092 + 0.0001	.0779	----	----	----	----	50 UNCH
TOTAL											102
JAN19											
23100	----	----	----	----	0.0500 + 0.0011	.2874	----	----	----	----	2 UNCH
TOTAL											2
FEB19											
23100	----	----	----	----	0.0594 + 0.0022	.3069	----	----	----	----	2 UNCH
TOTAL											2
MAR19											
23100	----	----	----	----	0.0682 + 0.0013	.3199	----	----	----	----	2 UNCH
TOTAL											2
APR19											
23100	----	----	----	----	0.0671 + 0.0003	.3121	----	----	----	----	1 UNCH
TOTAL											1
LB PUT EURO HEATING OIL											
NOV18											
20600	----	----	----	----	0.0664 - 0.0013	.3953	----	----	----	----	2 UNCH
22100	----	----	----	----	0.1496 - 0.0020	.6625	----	----	----	----	1 UNCH
TOTAL											3
DEC18											
20600	----	----	----	----	0.0814 - 0.0014	.3995	----	----	----	----	1 UNCH
21000	----	----	----	----	0.0992 - 0.0016	.4599	----	----	----	----	2 UNCH
21200	----	----	----	----	0.1091 - 0.0018	.4906	----	----	----	----	2 UNCH
22100	----	----	----	----	0.1624 - 0.0023	.6257	----	----	----	----	2 UNCH
TOTAL											7
JAN19											
20600	----	----	----	----	0.0929 - 0.0012	.3993	----	----	----	----	4 UNCH
21000	----	----	----	----	0.1112 - 0.0015	.4527	----	----	----	----	2 UNCH
21200	----	----	----	----	0.1214 - 0.0016	.4796	----	----	----	----	2 UNCH
22100	----	----	----	----	0.1739 - 0.0021	.5983	----	----	----	----	2 UNCH
TOTAL											10
FEB19											
20600	----	----	----	----	0.1072 - 0.0006	.4064	----	----	----	----	3 UNCH
21000	----	----	----	----	0.1261 - 0.0007	.4544	----	----	----	----	2 UNCH
21200	----	----	----	----	0.1362 - 0.0008	.4786	----	----	----	----	2 UNCH
22100	----	----	----	----	0.1873 - 0.0013	.5867	----	----	----	----	2 UNCH
TOTAL											9
MAR19											
21000	----	----	----	----	0.1405 - 0.0007	.4623	----	----	----	----	2 UNCH
21200	----	----	----	----	0.1509 - 0.0010	.4847	----	----	----	----	2 UNCH
22100	----	----	----	----	0.2037 - 0.0018	.5836	----	----	----	----	2 UNCH
TOTAL											6
APR19											
21000	----	----	----	----	0.1575 + 0.0002	.4748	----	----	----	----	2 UNCH
21200	----	----	----	----	0.1672 - 0.0005	.4962	----	----	----	----	2 UNCH
22100	----	----	----	----	0.2172 - 0.0030	.5932	----	----	----	----	1 UNCH
TOTAL											5
GVR CALL GULF COAST JET FUEL(PLATTS)APO											
AUG18											
15000	----	----	----	----	0.5737 + 0.0024	1.0000	----	----	----	----	15 UNCH
17800	----	----	----	----	0.2939 + 0.0023	.9998	----	----	----	----	26 UNCH
18200	----	----	----	----	0.2539 + 0.0023	.9991	----	----	----	----	10 UNCH
19900	----	----	----	----	0.0841 + 0.0022	.9639	----	----	----	----	50 UNCH
20500	----	----	----	----	0.0283 + 0.0004	.7817	----	----	----	----	30 UNCH
20600	----	----	----	----	0.0210 - 0.0001	.6776	----	----	----	----	75 UNCH
21000	----	----	----	----	0.0035 - 0.0007	.1977	----	----	----	----	25 UNCH
TOTAL											231
SEP18											
15000	----	----	----	----	0.5517 + 0.0020	.9996	----	----	----	----	15 UNCH
17800	----	----	----	----	0.2769 + 0.0015	.9504	----	----	----	----	26 UNCH
18200	----	----	----	----	0.2394 + 0.0014	.9237	----	----	----	----	10 UNCH
19900	----	----	----	----	0.0971 + 0.0004	.6754	----	----	----	----	50 UNCH
20500	----	----	----	----	0.0590 + 0.0001	.5217	----	----	----	----	30 UNCH
20600	----	----	----	----	0.0535 UNCH	.4934	----	----	----	----	75 UNCH
21000	----	----	----	----	0.0345 - 0.0001	.3768	----	----	----	----	25 UNCH
TOTAL											231
OCT18											
15000	----	----	----	----	0.5443 + 0.0021	.9988	----	----	----	----	15 UNCH
17500	----	----	----	----	0.3011 + 0.0017	.9400	----	----	----	----	26 UNCH
18200	----	----	----	----	0.2389 + 0.0015	.8855	----	----	----	----	10 UNCH
20000	----	----	----	----	0.1095 + 0.0006	.6077	----	----	----	----	150 UNCH
20400	----	----	----	----	0.0884 + 0.0003	.5328	----	----	----	----	50 UNCH
21000	----	----	----	----	0.0624 + 0.0002	.4222	----	----	----	----	55 UNCH
TOTAL											306
NOV18											
15000	----	----	----	----	0.5277 + 0.0031	.9920	----	----	----	----	15 UNCH
17500	----	----	----	----	0.2937 + 0.0025	.8878	----	----	----	----	26 UNCH
18200	----	----	----	----	0.2365 + 0.0022	.8229	----	----	----	----	10 UNCH
20000	----	----	----	----	0.1193 + 0.0012	.5716	----	----	----	----	150 UNCH
20400	----	----	----	----	0.0998 + 0.0010	.5105	----	----	----	----	50 UNCH
21000	----	----	----	----	0.0750 + 0.0007	.4211	----	----	----	----	55 UNCH
TOTAL											306
DEC18											
15000	----	----	----	----	0.5226 + 0.0036	.9806	----	----	----	----	15 UNCH
17500	----	----	----	----	0.2975 + 0.0029	.8515	----	----	----	----	26 UNCH
18200	----	----	----	----	0.2438 + 0.0026	.7864	----	----	----	----	10 UNCH
20000	----	----	----	----	0.1330 + 0.0016	.5619	----	----	----	----	150 UNCH
20400	----	----	----	----	0.1142 + 0.0015	.5094	----	----	----	----	50 UNCH
21000	----	----	----	----	0.0896 + 0.0011	.4327	----	----	----	----	55 UNCH
TOTAL											306
JAN19											
20500	----	----	----	----	0.1262 + 0.0017	.5141	----	----	----	----	10 UNCH
20800	----	----	----	----	0.1134 + 0.0015	.4788	----	----	----	----	10 UNCH
21200	----	----	----	----	0.0979 + 0.0014	.4330	----	----	----	----	50 UNCH
TOTAL											70
FEB19											
20500	----	----	----	----	0.1379 + 0.0018	.5177	----	----	----	----	10 UNCH
20800	----	----	----	----	0.1252 + 0.0017	.4854	----	----	----	----	10 UNCH
21200	----	----	----	----	0.1096 + 0.0015	.4434	----	----	----	----	50 UNCH
TOTAL											70
MAR19											
20500	----	----	----	----	0.1469 + 0.0017	.5175	----	----	----	----	10 UNCH

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.



PRELIMINARY

PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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PRICE INDICATOR KEY

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include GVR CALL, GVR PUT, and AT CALL options for various months and strikes.



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ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include categories like AT CALL SEP18, OCT18, NOV18, DEC18 with various contract months and prices.



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ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include AT CALL, DEC18, HEATING OIL APO (AVG PRICE) OPTIONS, JAN19, FEB19, MAR19.



PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include AT CALL FEB20, MAR20, APR20, MAY20, JUN20, JUL20, AUG20, SEP20, OCT20, NOV20, DEC20, AT PUT AUG18, SEP18, OCT18, NOV18, DEC18.

2018 DAILY INFORMATION BULLETIN - <http://www.cmegroup.com/dailybulletin>
CME Group, Inc.
20 South Wacker Drive, Chicago, Illinois 60606-7499.
Customer Service: (312) 930-1000



PRELIMINARY

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ENERGY OPTIONS

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AT PUT	HEATING OIL APO (AVG PRICE) OPTIONS	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
DEC18													
17500		----	----	----	----	----	0.0126 - 0.0002	.0837	----	----	----	----	10 UNCH
18000		----	----	----	----	----	0.0180 - 0.0003	.1143	----	----	----	----	31 UNCH
18200		----	----	----	----	----	0.0206 - 0.0004	.1284	----	----	----	----	50 UNCH
18500		----	----	----	----	----	0.0251 - 0.0005	.1520	----	----	----	----	125 UNCH
19000		----	----	----	----	----	0.0348 - 0.0006	.1989	----	----	----	----	100 UNCH
19500		----	----	----	----	----	0.0472 - 0.0009	.2535	----	----	----	----	100 UNCH
20000		----	----	----	----	----	0.0628 - 0.0011	.3153	----	----	----	4	82 + 4
20500		----	----	----	----	----	0.0818 - 0.0013	.3825	----	----	----	----	75 UNCH
21300		----	----	----	----	----	0.1196 - 0.0017	.4960	----	----	----	----	2 UNCH
TOTAL												4	643 + 4
JAN19													
16000		----	----	----	----	----	0.0063 + 0.0001	.0407	----	----	----	----	9 UNCH
18000		----	----	----	----	----	0.0259 UNCH	.1394	----	----	----	----	1 UNCH
20000		----	----	----	----	----	0.0763 - 0.0004	.3316	----	----	----	4	7 + 4
20300		----	----	----	----	----	0.0877 - 0.0005	.3675	----	----	----	----	1 UNCH
21300		----	----	----	----	----	0.1344 - 0.0010	.4935	----	----	----	----	2 UNCH
TOTAL												4	20 + 4
FEB19													
16000		----	----	----	----	----	0.0107 - 0.0004	.0586	----	----	----	----	7 UNCH
18000		----	----	----	----	----	0.0355 - 0.0006	.1652	----	----	----	----	1 UNCH
20000		----	----	----	----	----	0.0902 - 0.0008	.3492	----	----	----	----	3 UNCH
21200		----	----	----	----	----	0.1453 - 0.0010	.4867	----	----	----	----	1 UNCH
21300		----	----	----	----	----	0.1507 - 0.0011	.4983	----	----	----	----	1 UNCH
TOTAL													13
MAR19													
16000		----	----	----	----	----	0.0154 UNCH	.0753	----	----	----	----	5 UNCH
18000		----	----	----	----	----	0.0474 - 0.0002	.1925	----	----	----	----	1 UNCH
20000		----	----	----	----	----	0.1088 + 0.0008	.3704	----	----	----	----	3 UNCH
21100		----	----	----	----	----	0.1570 - 0.0003	.4874	----	----	----	----	1 UNCH
TOTAL													10
APR19													
16000		----	----	----	----	----	0.0225 - 0.0004	.0948	----	----	----	----	3 UNCH
18000		----	----	----	----	----	0.0538 - 0.0009	.2047	----	----	----	----	1 UNCH
20000		----	----	----	----	----	0.1151 - 0.0018	.3776	----	----	----	----	2 UNCH
TOTAL													6
MAY19													
16000		----	----	----	----	----	0.0209 - 0.0013	.0915	----	----	----	----	1 UNCH
18000		----	----	----	----	----	0.0565 - 0.0024	.2100	----	----	----	----	1 UNCH
20000		----	----	----	----	----	0.1236 - 0.0035	.3830	----	----	----	----	2 UNCH
TOTAL													4
JUN19													
18000		----	----	----	----	----	0.0624 - 0.0027	.2165	----	----	----	----	1 UNCH
20000		----	----	----	----	----	0.1298 - 0.0041	.3816	----	----	----	----	2 UNCH
TOTAL													3
JUL19													
18000		----	----	----	----	----	0.0700 - 0.0026	.2234	----	----	----	----	1 UNCH
TOTAL													1
AUG19													
18000		----	----	----	----	----	0.0738 - 0.0025	.2245	----	----	----	----	1 UNCH
TOTAL													1
SEP19													
18000		----	----	----	----	----	0.0783 - 0.0023	.2267	----	----	----	----	1 UNCH
TOTAL													1
OCT19													
18000		----	----	----	----	----	0.0823 - 0.0022	.2285	----	----	----	----	1 UNCH
TOTAL													1
NOV19													
18000		----	----	----	----	----	0.0858 - 0.0018	.2293	----	----	----	----	1 UNCH
TOTAL													1
DEC19													
18000		----	----	----	----	----	0.0853 - 0.0017	.2245	----	----	----	----	1 UNCH
TOTAL													1
JAN20													
18000		----	----	----	----	----	0.0866 - 0.0016	.2244	----	----	----	----	1 UNCH
TOTAL													1
FEB20													
18000		----	----	----	----	----	0.0916 - 0.0017	.2304	----	----	----	----	1 UNCH
TOTAL													1
MAR20													
18000		----	----	----	----	----	0.0977 - 0.0018	.2393	----	----	----	----	1 UNCH
TOTAL													1
APR20													
18000		----	----	----	----	----	0.1040 - 0.0018	.2474	----	----	----	----	1 UNCH
TOTAL													1
MAY20													
18000		----	----	----	----	----	0.1078 - 0.0017	.2512	----	----	----	----	1 UNCH
TOTAL													1
JUN20													
18000		----	----	----	----	----	0.1118 - 0.0017	.2548	----	----	----	----	1 UNCH
TOTAL													1
JUL20													
18000		----	----	----	----	----	0.1159 - 0.0016	.2581	----	----	----	----	1 UNCH
TOTAL													1
AUG20													
18000		----	----	----	----	----	0.1200 - 0.0016	.2613	----	----	----	----	1 UNCH
TOTAL													1
SEP20													
18000		----	----	----	----	----	0.1242 - 0.0016	.2651	----	----	----	----	1 UNCH
TOTAL													1
OCT20													
18000		----	----	----	----	----	0.1291 - 0.0015	.2694	----	----	----	----	1 UNCH
TOTAL													1
NOV20													
18000		----	----	----	----	----	0.1326 - 0.0016	.2728	----	----	----	----	1 UNCH
TOTAL													1
DEC20													
18000		----	----	----	----	----	0.1348 - 0.0015	.2716	----	----	----	----	1 UNCH
TOTAL													1
E7 CALL	HENRY HUB FINANCIAL LAST DAY 0												
SEP18													
300		----	----	----	----	----	0.0221 + 0.0093	.3111	----	----	----	----	75 UNCH
305		----	----	----	----	----	0.0104 + 0.0046	.1690	----	----	----	----	1 UNCH
310		----	----	----	----	----	0.0045 + 0.0020	.0807	----	----	----	----	19 UNCH



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ENERGY OPTIONS

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from SEP18 to DEC19 and various contract months like 315, 325, 330, 335, 375, 500.



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ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX	PNT	OPEN
OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE	& PT.CHGE.		CISES	OUTCRY VOLUME	VOLUME	VOLUME	INTEREST
E7 CALL HENRY HUB FINANCIAL LAST DAY 0											
DEC19											
295					0.2207	+ 0.0038	.5094				31
300					0.2014	+ 0.0036	.4780				46
325					0.1261	+ 0.0026	.3380				23
TOTAL											100
JAN20											
300					0.2830	+ 0.0025	.5443				47
325					0.2002	+ 0.0015	.4200				65
350					0.1437	+ 0.0009	.3210				31
TOTAL											143
FEB20											
300					0.3020	+ 0.0026	.5309				44
325					0.2230	+ 0.0019	.4228				58
350					0.1665	+ 0.0011	.3345				29
TOTAL											131
MAR20											
300					0.2763	+ 0.0019	.4874				41
325					0.2077	+ 0.0014	.3913				62
350					0.1587	+ 0.0009	.3140				31
TOTAL											134
APR20											
275					0.0991	- 0.0024	.3573				6
300					0.0439	- 0.0010	.1930				9
325					0.0181	- 0.0004	.0931				60
350					0.0072	- 0.0003	.0418				30
TOTAL											105
MAY20											
275					0.0853	- 0.0026	.3238				8
300					0.0368	- 0.0011	.1694				8
325					0.0149	- 0.0005	.0797				62
350					0.0059	- 0.0003	.0354				31
TOTAL											109
JUN20											
275					0.0940	- 0.0030	.3447				8
300					0.0415	- 0.0012	.1848				4
325					0.0170	- 0.0006	.0884				60
350					0.0068	- 0.0004	.0398				30
TOTAL											102
JUL20											
275					0.1045	- 0.0035	.3681				8
325					0.0198	- 0.0006	.0994				62
350					0.0080	- 0.0004	.0454				31
TOTAL											101
AUG20											
275					0.1089	- 0.0030	.3759				4
325					0.0213	- 0.0004	.1046				62
350					0.0088	- 0.0003	.0488				31
TOTAL											97
SEP20											
325					0.0225	+ 0.0003	.1072				60
350					0.0143	- 0.0002	.0682				30
TOTAL											90
OCT20											
325					0.0242	+ 0.0003	.1135				62
350					0.0105	+ 0.0002	.0554				31
TOTAL											93
NOV20											
325					0.0443	- 0.0015	.1687				60
350					0.0259	- 0.0015	.1049				30
TOTAL											90
DEC20											
325					0.0701	- 0.0024	.2341				62
350					0.0417	- 0.0016	.1502				31
TOTAL											93
JAN21											
350					0.0985	- 0.0054	.2520				31
TOTAL											31
FEB21											
350					0.1113	- 0.0042	.2635				28
TOTAL											28
MAR21											
350					0.1073	- 0.0042	.2503				31
TOTAL											31
APR21											
350					0.0112	- 0.0002	.0558				30
TOTAL											30
MAY21											
350					0.0091	- 0.0001	.0474				31
TOTAL											31
JUN21											
350					0.0111	+ 0.0009	.0554				30
TOTAL											30
JUL21											
350					0.0117	- 0.0001	.0582				31
TOTAL											31
AUG21											
350					0.0125	- 0.0001	.0614				31
TOTAL											31
SEP21											
350					0.0127	- 0.0001	.0620				30
TOTAL											30
OCT21											
350					0.0147	- 0.0002	.0694				31
TOTAL											31
NOV21											
350					0.0391	+ 0.0004	.1353				30
TOTAL											30
DEC21											
350					0.0506	+ 0.0006	.1677				31
TOTAL											31
E7 PUT HENRY HUB FINANCIAL LAST DAY 0											
SEP18											
200					0.0001	UNCH					16
225					0.0001	UNCH					21
230					0.0001	UNCH					4
240					0.0001	UNCH					5
250					0.0001	UNCH	.0000				2

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PG63 BULLETIN #159@

ENERGY OPTIONS

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from SEP18 to NOV19 with various contract specifications and volume data.

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2018 DAILY INFORMATION BULLETIN - <http://www.cmegroup.com/dailybulletin>
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20 South Wacker Drive, Chicago, Illinois 60606-7499.
Customer Service: (312) 930-1000



PRELIMINARY

PG63 BULLETIN #159@ ENERGY OPTIONS Fri, Aug 17, 2018 PG63

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GLOBAL OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
E7 PUT	HENRY HUB FINANCIAL LAST DAY 0										
TOTAL											54
DEC19											
200	----	----	----	----	0.0125 - 0.0001	.0419	----	----	----	----	5 UNCH
230	----	----	----	----	0.0424 - 0.0004	.1218	----	----	----	----	3 UNCH
250	----	----	----	----	0.0826 - 0.0010	.2111	----	----	----	----	5 UNCH
260	----	----	----	----	0.1118 - 0.0014	.2669	----	----	----	----	31 UNCH
TOTAL											44
JAN20											
200	----	----	----	----	0.0093 - 0.0004	.0314	----	----	----	----	5 UNCH
230	----	----	----	----	0.0376 - 0.0012	.1034	----	----	----	----	3 UNCH
TOTAL											8
FEB20											
200	----	----	----	----	0.0203 - 0.0005	.0548	----	----	----	----	10 UNCH
230	----	----	----	----	0.0638 - 0.0014	.1412	----	----	----	----	3 UNCH
TOTAL											13
MAR20											
200	----	----	----	----	0.0367 - 0.0008	.0863	----	----	----	----	8 UNCH
230	----	----	----	----	0.0992 - 0.0016	.1906	----	----	----	----	3 UNCH
TOTAL											11
APR20											
230	----	----	----	----	0.0871 - 0.0075	.2689	----	----	----	----	3 UNCH
TOTAL											3
MAY20											
230	----	----	----	----	0.0981 - 0.0073	.2976	----	----	----	----	3 UNCH
TOTAL											3
JUN20											
230	----	----	----	----	0.0921 - 0.0072	.2805	----	----	----	----	3 UNCH
TOTAL											3
JUL20											
230	----	----	----	----	0.0864 - 0.0072	.2634	----	----	----	----	3 UNCH
TOTAL											3
AUG20											
230	----	----	----	----	0.0864 - 0.0069	.2604	----	----	----	----	3 UNCH
TOTAL											3
SEP20											
230	----	----	----	----	0.0921 - 0.0065	.2723	----	----	----	----	2 UNCH
TOTAL											2
OCT20											
230	----	----	----	----	0.0911 - 0.0063	.2641	----	----	----	----	2 UNCH
TOTAL											2
NOV20											
230	----	----	----	----	0.0747 - 0.0039	.2279	----	----	----	----	2 UNCH
TOTAL											2
DEC20											
230	----	----	----	----	0.0537 - 0.0033	.1659	----	----	----	----	2 UNCH
TOTAL											2
JAN21											
230	----	----	----	----	0.0553 - 0.0052	.1479	----	----	----	----	2 UNCH
TOTAL											2
FEB21											
230	----	----	----	----	0.0780 - 0.0048	.1790	----	----	----	----	2 UNCH
TOTAL											2
MAR21											
230	----	----	----	----	0.1088 - 0.0055	.2234	----	----	----	----	2 UNCH
TOTAL											2
APR21											
230	----	----	----	----	0.1343 - 0.0016	.3297	----	----	----	----	2 UNCH
TOTAL											2
MAY21											
230	----	----	----	----	0.1402 - 0.0015	.3498	----	----	----	----	2 UNCH
TOTAL											2
JUN21											
230	----	----	----	----	0.1319 - 0.0015	.3309	----	----	----	----	2 UNCH
TOTAL											2
JUL21											
230	----	----	----	----	0.1252 - 0.0015	.3124	----	----	----	----	2 UNCH
TOTAL											2
AUG21											
230	----	----	----	----	0.1230 - 0.0014	.3050	----	----	----	----	2 UNCH
TOTAL											2
SEP21											
230	----	----	----	----	0.1248 - 0.0014	.3074	----	----	----	----	1 UNCH
TOTAL											1
OCT21											
230	----	----	----	----	0.1208 - 0.0014	.2939	----	----	----	----	1 UNCH
TOTAL											1
NOV21											
230	----	----	----	----	0.1005 - 0.0013	.2549	----	----	----	----	1 UNCH
TOTAL											1
DEC21											
230	----	----	----	----	0.0789 - 0.0011	.1962	----	----	----	----	1 UNCH
TOTAL											1
JAN22											
230	----	----	----	----	0.0774 - 0.0068	.1723	----	----	----	----	1 UNCH
TOTAL											1
FEB22											
230	----	----	----	----	0.0991 - 0.0074	.1967	----	----	----	----	1 UNCH
TOTAL											1
MAR22											
230	----	----	----	----	0.1241 - 0.0079	.2287	----	----	----	----	1 UNCH
TOTAL											1
APR22											
230	----	----	----	----	0.1385 - 0.0054	.3164	----	----	----	----	1 UNCH
TOTAL											1
MAY22											
230	----	----	----	----	0.1400 - 0.0055	.3278	----	----	----	----	1 UNCH
TOTAL											1

WJO OPT LLS ARGUS V.WTI CRUDE OIL AVG PRICE AUG18

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	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST		
4H PUT OCT19 MT BELVIEU PROPANE 5-DCML (OPIS)														
7800	----	----	----	----	----	0.11287 -0.00361	.4488	----	----	----	----	10	UNCH	
TOTAL												45		
NOV19														
5000	----	----	----	----	----	0.01454 -0.00076	.0910	----	----	----	----	35	UNCH	
7800	----	----	----	----	----	0.11554 -0.00356	.4422	----	----	----	----	10	UNCH	
TOTAL												45		
DEC19														
5000	----	----	----	----	----	0.01567 -0.00074	.0939	----	----	----	----	35	UNCH	
5900	----	----	----	----	----	0.03620 -0.00142	.1847	----	----	----	----	10	UNCH	
7800	----	----	----	----	----	0.11757 -0.00331	.4363	----	----	----	----	10	UNCH	
TOTAL												55		
DEC20														
6350	----	----	----	----	----	0.09355 -0.00185	.2914	----	----	----	----	10	UNCH	
7000	----	----	----	----	----	0.12629 -0.00229	.3601	----	----	----	----	20	UNCH	
TOTAL												30		
DEC21														
6500	----	----	----	----	----	0.12792 -0.00213	.3205	----	----	----	----	10	UNCH	
TOTAL												10		
G4 CALL MAR19 NATURAL GAS 1 M CSO FIN														
250	----	----	----	----	----	0.244 + 0.013	.5535	----	----	----	----	4250	UNCH	
500	----	----	----	----	----	0.186 + 0.010	.3934	----	----	----	----	6750	UNCH	
1000	----	----	----	----	----	0.111 + 0.006	.2192	----	----	----	----	1150	UNCH	
1500	----	----	----	----	----	0.068 + 0.004	.1291	----	----	----	----	800	UNCH	
TOTAL												12950		
G4 PUT MAR19 NATURAL GAS 1 M CSO FIN														
0	----	----	----	----	----	0.023 UNCH	.1460	----	----	----	----	5375	UNCH	
50	----	----	----	----	----	0.047 - 0.003	.2255	----	----	----	----	25	UNCH	
100	----	----	----	----	----	0.075 - 0.003	.2932	----	----	----	----	2275	UNCH	
250	----	----	----	----	----	0.175 - 0.002	.4464	----	----	----	----	7800	UNCH	
TOTAL												15475		
G3 CALL OCT18 NATURAL GAS 3 M CSO FIN														
- 250	----	----	----	----	----	0.046 + 0.001	.6738	----	----	----	----	300	UNCH	
- 200	----	----	----	----	----	0.021 UNCH	.3974	----	----	----	----	8135	UNCH	
- 150	----	----	----	----	----	0.006 - 0.001	.1591	----	----	----	----	1200	UNCH	
TOTAL												9635		
G3 PUT OCT18 NATURAL GAS 3 M CSO FIN														
- 500	----	----	----	----	----	0.001 UNCH	.0000	----	----	----	----	8500	UNCH	
- 400	----	----	----	----	----	0.001 UNCH	.0056	----	----	----	----	200	UNCH	
- 350	----	----	----	----	----	0.001 UNCH	.0332	----	----	----	----	14085	UNCH	
- 300	----	----	----	----	----	0.003 - 0.001	.0973	----	----	----	----	7500	UNCH	
- 250	----	----	----	----	----	0.015 - 0.001	.3261	----	----	----	----	1100	UNCH	
- 200	----	----	----	----	----	0.040 - 0.002	.6025	----	----	----	----	1000	UNCH	
TOTAL												32385		
G6 CALL APR19 NATURAL GAS 6 M CSO FIN														
0	----	----	----	----	----	0.053 + 0.003	.4427	----	----	----	----	2500	UNCH	
TOTAL												2500		
G6 PUT APR19 NATURAL GAS 6 M CSO FIN														
- 150	----	----	----	----	----	0.012 - 0.001	.1688	----	----	----	----	2500	UNCH	
- 50	----	----	----	----	----	0.047 - 0.003	.4280	----	----	----	----	1100	UNCH	
TOTAL												3600		
6J CALL JAN19 NATURAL GAS OPTION ON CALENDAR STRP														
2800	----	----	----	----	----	0.1285 + 0.0121	.5652	----	----	----	----	400	UNCH	
2850	----	----	----	----	----	0.1042 + 0.0101	.4943	----	----	----	----	300	UNCH	
3000	----	----	----	----	----	0.0510 + 0.0042	.2983	----	----	----	400	1960 +	100	
3250	----	----	----	----	----	0.0123 - 0.0002	.0943	----	----	----	----	400	UNCH	
3500	----	----	----	----	----	0.0023 - 0.0007	.0216	----	----	----	----	24	UNCH	
4000	----	----	----	----	----	0.0001 - 0.0001	.0011	----	----	----	----	114	UNCH	
TOTAL												400	3198 +	100
JAN20														
2800	----	----	----	----	----	0.0957 + 0.0014	.3859	----	----	----	----	400	UNCH	
3000	----	----	----	----	----	0.0402 + 0.0008	.2078	----	----	----	----	640	UNCH	
TOTAL												1040		
JAN21														
3500	----	----	----	----	----	0.0013 UNCH	.0117	----	----	----	----	256	UNCH	
4000	----	----	----	----	----	0.0001 UNCH	.0010	----	----	----	----	256	UNCH	
TOTAL												512		
JAN22														
3500	----	----	----	----	----	0.0272 + 0.0001	.1090	----	----	----	----	124	UNCH	
TOTAL												124		
JAN23														
3500	----	----	----	----	----	0.0511 + 0.0003	.1649	----	----	----	----	124	UNCH	
TOTAL												124		
JAN25														
4000	----	----	----	----	----	0.0703 + 0.0002	.1705	----	----	----	----	124	UNCH	
TOTAL												124		
6J PUT JAN19 NATURAL GAS OPTION ON CALENDAR STRP														
2350	----	----	----	----	----	0.0048 + 0.0008	.0371	----	----	----	----	800	UNCH	
2400	----	----	----	----	----	0.0074 + 0.0010	.0544	----	----	----	----	800	UNCH	
2500	----	----	----	----	----	0.0162 + 0.0011	.1071	----	----	----	200	3364 +	100	
2600	----	----	----	----	----	0.0322 + 0.0007	.1891	----	----	----	----	1200	UNCH	
2750	----	----	----	----	----	0.0756 - 0.0016	.3655	----	----	----	----	1000	UNCH	
2800	----	----	----	----	----	0.0965 - 0.0028	.4347	----	----	----	----	600	UNCH	
TOTAL												200	7764 +	100
ZR CALL DEC18 NORTHERN ROCKIES PIPE OPTION														
3500	----	----	----	----	----	0.0149 + 0.0024	.0792	----	----	----	----	372	UNCH	
3600	----	----	----	----	----	0.0109 + 0.0019	.0596	----	----	----	----	62	UNCH	
TOTAL												434		



PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include ZR CALL, LC CALL, and various contract months like JAN19, FEB19, DEC19, etc.



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ENERGY OPTIONS

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LC CALL	NYMEX CRUDE OIL (EURO) OPTS (PHY)	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
FEB19													
7500							0.91 + 0.05	.1783					20 UNCH
7700							0.69 + 0.04	.1410					40 UNCH
8000							0.46 + 0.03	.0990					10 UNCH
8300							0.32 + 0.02	.0710					40 UNCH
8800							0.18 + 0.01	.0415					20 UNCH
10000							0.06 UNCH	.0141					50 UNCH
11000							0.02 UNCH	.0050					100 UNCH
TOTAL													
MAR19													
6700							3.19 + 0.14	.4277					20 UNCH
6800							2.81 + 0.14	.3933					10 UNCH
7000							2.16 + 0.11	.3278					15 UNCH
7200							1.65 + 0.08	.2689					1 UNCH
7400							1.26 + 0.07	.2182					15 UNCH
7500							1.10 + 0.06	.1958					20 UNCH
7700							0.84 + 0.05	.1571					40 UNCH
8000							0.57 + 0.03	.1128					10 UNCH
8300							0.40 + 0.02	.0822					40 UNCH
8800							0.23 + 0.01	.0495					20 UNCH
10000							0.08 UNCH	.0178					50 UNCH
11000							0.04 UNCH	.0089					100 UNCH
TOTAL													
APR19													
7200							1.85 + 0.12	.2803					1 UNCH
7500							1.26 + 0.08	.2087					20 UNCH
8000							0.69 + 0.06	.1264					10 UNCH
8300							0.48 + 0.03	.0924					40 UNCH
8800							0.29 + 0.02	.0581					20 UNCH
9000							0.24 + 0.02	.0487					10 UNCH
9600							0.15 + 0.01	.0308					10 UNCH
10000							0.11 + 0.01	.0228					50 UNCH
11000							0.05 UNCH	.0106					100 UNCH
TOTAL													
MAY19													
7200							2.05 + 0.16	.2907					1 UNCH
7500							1.43 + 0.11	.2212					20 UNCH
8000							0.81 + 0.08	.1386					10 UNCH
8300							0.58 + 0.06	.1041					40 UNCH
8800							0.35 + 0.04	.0661					20 UNCH
9000							0.29 + 0.03	.0556					10 UNCH
9600							0.18 + 0.02	.0352					10 UNCH
10000							0.14 + 0.02	.0274					50 UNCH
11000							0.07 + 0.01	.0140					100 UNCH
TOTAL													
JUN19													
7200							2.21 + 0.08	.2979					1 UNCH
7500							1.57 + 0.06	.2304					20 UNCH
8000							0.91 + 0.04	.1478					10 UNCH
8300							0.66 + 0.02	.1125					40 UNCH
8800							0.40 + 0.01	.0723					20 UNCH
9000							0.34 + 0.01	.0621					10 UNCH
9600							0.21 UNCH	.0394					10 UNCH
10000							0.16 UNCH	.0303					50 UNCH
11000							0.09 UNCH	.0170					100 UNCH
TOTAL													
JUL19													
7200							2.36 + 0.08	.3036					1 UNCH
9000							0.39 + 0.01	.0681					10 UNCH
9600							0.25 + 0.01	.0447					10 UNCH
10000							0.19 UNCH	.0344					50 UNCH
11000							0.11 + 0.01	.0199					100 UNCH
TOTAL													
AUG19													
7200							2.48 + 0.07	.3075					1 UNCH
9000							0.44 UNCH	.0737					10 UNCH
9600							0.28 + 0.01	.0485					10 UNCH
10000							0.22 + 0.01	.0383					50 UNCH
11000							0.14 + 0.02	.0240					100 UNCH
TOTAL													
SEP19													
7200							2.59 + 0.07	.3108					1 UNCH
9000							0.49 UNCH	.0791					10 UNCH
9600							0.31 UNCH	.0520					10 UNCH
10000							0.25 + 0.01	.0420					50 UNCH
11000							0.16 + 0.03	.0266					100 UNCH
TOTAL													
OCT19													
7200							2.69 + 0.09	.3137					1 UNCH
10000							0.27 + 0.02	.0444					50 UNCH
11000							0.18 + 0.04	.0291					100 UNCH
TOTAL													
NOV19													
7200							2.76 + 0.10	.3151					1 UNCH
10000							0.28 + 0.01	.0455					50 UNCH
11000							0.20 + 0.06	.0315					100 UNCH
TOTAL													
DEC19													
6000							7.71 + 0.17	.5965					1500 UNCH
6500							5.24 + 0.16	.4771					310 UNCH
7000							3.39 + 0.13	.3596					200 UNCH
7200							2.83 + 0.12	.3167					1 UNCH
8000							1.40 + 0.06	.1839					210 UNCH
10000							0.29 + 0.01	.0466					50 UNCH
10500							0.20 UNCH	.0333					200 UNCH
11000							0.14 UNCH	.0239					100 UNCH
TOTAL													
DEC20													
5000							12.83 + 0.19	.7465					116 UNCH
6500							5.14 + 0.18	.4423					3366 UNCH
10000							0.54 + 0.02	.0716					60 UNCH
12500							0.17 + 0.01	.0244					10000 UNCH
15000							0.07 UNCH	.0103					30 UNCH
TOTAL													
DEC21													
9000							1.39 + 0.05	.1485					40 UNCH
TOTAL													
DEC22													
7000							4.20 + 0.14	.3510					31 UNCH
10000							1.24 + 0.05	.1245					410 UNCH
10500							1.06 + 0.04	.1077					490 UNCH
TOTAL													
DEC23													
6500							5.56 + 0.19	.4239					1712 UNCH
10000							1.21 + 0.05	.1223					70 UNCH

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PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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GLOBAL OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
LC CALL NYMEX CRUDE OIL (EURO) OPTS (PHY)											1782
TOTAL											0
LC PUT NYMEX CRUDE OIL (EURO) OPTS (PHY)											0
13000	----	----	----	----	64.54 UNCH	1.0000	----	----	----	----	0 UNCH
TOTAL											0
OCT18											20 UNCH
2300	----	----	----	----	0.01 UNCH	----	----	----	----	----	20 UNCH
2500	----	----	----	----	0.01 UNCH	----	----	----	----	----	20 UNCH
3000	----	----	----	----	0.01 UNCH	----	----	----	----	----	10 UNCH
4800	----	----	----	----	0.01 UNCH	.0011	----	----	----	----	1 UNCH
5000	----	----	----	----	0.01 - 0.01	.0040	----	----	----	----	20 UNCH
5300	----	----	----	----	0.03 - 0.01	.0122	----	----	----	----	10 UNCH
6400	----	----	----	----	1.28 - 0.14	.3805	----	----	----	----	10 UNCH
TOTAL											91
NOV18											20 UNCH
2300	----	----	----	----	0.01 UNCH	----	----	----	----	----	20 UNCH
2500	----	----	----	----	0.01 UNCH	----	----	----	----	----	20 UNCH
3000	----	----	----	----	0.01 UNCH	----	----	----	----	----	10 UNCH
4800	----	----	----	----	0.04 - 0.01	.0117	----	----	----	----	1 UNCH
5000	----	----	----	----	0.06 - 0.02	.0180	----	----	----	----	20 UNCH
5300	----	----	----	----	0.14 - 0.02	.0405	----	----	----	----	10 UNCH
6300	----	----	----	----	1.78 - 0.10	.3642	----	----	----	----	1455 UNCH
6400	----	----	----	----	2.18 - 0.11	.4228	----	----	----	----	10 UNCH
TOTAL											1546
DEC18											50 UNCH
2000	----	----	----	----	0.01 UNCH	.0000	----	----	----	----	20 UNCH
2300	----	----	----	----	0.01 UNCH	.0000	----	----	----	----	20 UNCH
2500	----	----	----	----	0.01 UNCH	.0001	----	----	----	----	20 UNCH
3000	----	----	----	----	0.01 UNCH	.0017	----	----	----	----	835 UNCH
4300	----	----	----	----	0.04 UNCH	.0092	----	----	----	----	100 UNCH
4600	----	----	----	----	0.07 - 0.01	.0165	----	----	----	----	100 UNCH
4800	----	----	----	----	0.11 - 0.01	.0257	----	----	----	----	201 UNCH
5000	----	----	----	----	0.17 - 0.01	.0392	----	----	----	----	20 UNCH
5300	----	----	----	----	0.34 - 0.01	.0746	----	----	----	----	20 UNCH
5500	----	----	----	----	0.54 - 0.01	.1123	----	----	----	----	50 UNCH
6400	----	----	----	----	2.91 - 0.07	.4425	----	----	----	----	10 UNCH
12000	----	----	----	----	55.07 - 0.24	.9975	----	----	----	----	50 UNCH
13000	----	----	----	----	65.02 - 0.24	.9992	----	----	----	----	835 UNCH
TOTAL											2311
JAN19											20 UNCH
4500	----	----	----	----	0.11 - 0.01	.0223	----	----	----	----	10 UNCH
4600	----	----	----	----	0.14 - 0.01	.0279	----	----	----	----	1 UNCH
5800	----	----	----	----	1.50 - 0.01	.2298	----	----	----	----	31 UNCH
TOTAL											31
FEB19											20 UNCH
4500	----	----	----	----	0.18 - 0.01	.0322	----	----	----	----	10 UNCH
4600	----	----	----	----	0.23 UNCH	.0401	----	----	----	----	1 UNCH
5800	----	----	----	----	1.95 - 0.01	.2565	----	----	----	----	31 UNCH
TOTAL											31
MAR19											20 UNCH
4500	----	----	----	----	0.28 UNCH	.0441	----	----	----	----	10 UNCH
4600	----	----	----	----	0.34 UNCH	.0526	----	----	----	----	1 UNCH
5800	----	----	----	----	2.36 - 0.02	.2756	----	----	----	----	31 UNCH
TOTAL											31
APR19											1 UNCH
5800	----	----	----	----	2.73 + 0.01	.2904	----	----	----	----	1 UNCH
TOTAL											1
MAY19											1 UNCH
5800	----	----	----	----	3.10 + 0.04	.3028	----	----	----	----	1 UNCH
TOTAL											1
JUN19											800 UNCH
5000	----	----	----	----	1.38 UNCH	.1467	----	----	----	----	1700 UNCH
5500	----	----	----	----	2.53 - 0.02	.2433	----	----	----	----	1 UNCH
5800	----	----	----	----	3.45 - 0.02	.3134	----	----	----	----	2501 UNCH
TOTAL											2501
JUL19											1 UNCH
5800	----	----	----	----	3.79 - 0.04	.3236	----	----	----	----	1 UNCH
TOTAL											1
AUG19											1 UNCH
5800	----	----	----	----	4.11 - 0.05	.3326	----	----	----	----	1 UNCH
TOTAL											1
SEP19											1 UNCH
5800	----	----	----	----	4.41 - 0.06	.3402	----	----	----	----	1 UNCH
TOTAL											1
OCT19											1 UNCH
5800	----	----	----	----	4.69 - 0.05	.3470	----	----	----	----	1 UNCH
TOTAL											1
NOV19											1 UNCH
5800	----	----	----	----	4.95 - 0.04	.3532	----	----	----	----	1 UNCH
TOTAL											1
DEC19											240 UNCH
4000	----	----	----	----	0.71 UNCH	.0687	----	----	----	----	1 UNCH
5800	----	----	----	----	5.18 - 0.04	.3583	----	----	----	----	241 UNCH
TOTAL											241
LO CALL NYMEX CRUDE OIL OPTIONS (PHY)											0 UNCH
SEP18											0 UNCH
4500	----	----	----	----	20.46 UNCH	1.0000	----	----	----	----	0 UNCH
4700	----	----	----	----	18.46 UNCH	1.0000	----	----	----	----	0 UNCH
4750	----	----	----	----	17.96 UNCH	1.0000	----	----	----	----	0 UNCH
4800	----	----	----	----	17.46 UNCH	1.0000	----	----	----	----	0 UNCH
4850	----	----	----	----	16.96 UNCH	1.0000	----	----	----	----	0 UNCH
4900	----	----	----	----	16.46 UNCH	1.0000	----	----	----	----	0 UNCH
4950	----	----	----	----	15.96 UNCH	1.0000	----	----	----	----	0 UNCH
5000	----	----	----	----	15.46 UNCH	1.0000	----	----	----	----	0 UNCH
5050	----	----	----	----	14.96 UNCH	1.0000	----	----	----	----	0 UNCH
5100	----	----	----	----	14.46 UNCH	1.0000	----	----	----	----	0 UNCH
5150	----	----	----	----	13.96 UNCH	1.0000	----	----	----	----	0 UNCH
5200	----	----	----	----	13.46 UNCH	1.0000	----	----	----	----	0 UNCH
5250	----	----	----	----	12.96 UNCH	1.0000	----	----	----	----	0 UNCH
5300	----	----	----	----	12.46 UNCH	1.0000	----	----	----	----	0 UNCH
5350	----	----	----	----	11.96 UNCH	1.0000	----	----	----	----	0 UNCH
5400	----	----	----	----	11.46 UNCH	1.0000	----	----	----	----	0 UNCH
5450	----	----	----	----	10.96 UNCH	1.0000	----	----	----	----	0 UNCH
5500	----	----	----	----	10.46 UNCH	1.0000	----	----	----	----	0 UNCH
5550	----	----	----	----	9.96 UNCH	1.0000	----	----	----	----	0 UNCH
5600	----	----	----	----	9.46 UNCH	1.0000	----	----	----	----	0 UNCH
5650	----	----	----	----	8.96 UNCH	1.0000	----	----	----	----	0 UNCH
5700	----	----	----	----	8.46 UNCH	1.0000	----	----	----	----	0 UNCH
5750	----	----	----	----	7.96 UNCH	1.0000	----	----	----	----	0 UNCH
5800	----	----	----	----	7.46 UNCH	1.0000	----	----	----	----	0 UNCH



2018 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

20 South Wacker Drive, Chicago, Illinois 60606-7499.

Customer Service: (312) 930-1000

PRELIMINARY

PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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Table with columns: LO CALL, OPEN, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include SEP18 and OCT18 contracts.

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Table with columns: LO CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include OCT18 and NOV18 contracts for NYMEX CRUDE OIL OPTIONS (PHY).

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PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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Table with columns: LO CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, NYMEX CRUDE OIL, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include DEC18, JAN19, and various contract months.

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2018 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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PRELIMINARY

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LO PUT	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX	PNT	OPEN
OPEN	OPEN	RANGE	HIGH/LOW	HIGH/LOW	CLOSE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
									VOLUME			
NYMEX CRUDE OIL OPTIONS (PHY)												
OCT18												
7000	5.08	5.08	5.57B/4.74A	5.57B/4.74A	----	5.16 - 0.30	.8410	----	----	10	----	2176 + 8
7050	----	----	6.02B/5.17A	6.02B/5.17A	----	5.60 - 0.30	.8629	----	----	----	----	199 UNCH
7100	----	----	6.47B/5.61A	6.47B/5.61A	----	6.05 - 0.31	.8819	----	----	----	----	744 UNCH
7150	----	----	6.94B/6.05A	6.94B/6.05A	----	6.51 - 0.31	.8979	----	----	46	----	233 - 8
7200	----	----	7.41B/6.51A	7.41B/6.51A	----	6.98 - 0.31	.9107	----	----	1	----	1157 UNCH
7250	----	----	7.88B/6.98A	7.88B/6.98A	----	7.45 - 0.32	.9231	----	----	----	----	91 UNCH
7300	----	----	8.36B/7.45A	8.36B/7.45A	----	7.93 - 0.32	.9321	----	----	----	----	155 UNCH
7350	----	----	8.83B/7.93A	8.83B/7.93A	----	8.41 - 0.32	.9408	----	1	----	----	29 UNCH
7400	----	----	9.33B/8.41A	9.33B/8.41A	----	8.89 - 0.32	.9493	----	----	----	----	184 UNCH
7450	----	----	9.82B/8.89A	9.82B/8.89A	----	9.38 - 0.32	.9542	----	----	----	----	62 UNCH
7500	9.67	9.67	10.31B/9.38A	10.31B/9.38A	----	9.86 - 0.33	.9590	----	3	----	----	153 + 3
7550	----	----	10.80B/9.87A	10.80B/9.87A	----	10.35 - 0.33	.9636	----	----	----	----	16 UNCH
7600	----	----	11.29B/10.39A	11.29B/10.39A	----	10.85 - 0.32	.9681	----	----	----	----	11 UNCH
7650	----	----	11.79B/10.88A	11.79B/10.88A	----	11.34 - 0.33	.9724	----	----	----	----	176 UNCH
7700	----	----	12.28B/11.38A	12.28B/11.38A	----	11.83 - 0.33	.9732	----	----	----	----	5 UNCH
7750	----	----	12.78B/11.88A	12.78B/11.88A	----	12.33 - 0.32	.9774	----	----	----	----	4 UNCH
7800	----	----	13.27B/12.36A	13.27B/12.36A	----	12.82 - 0.33	.9780	----	----	----	----	5 UNCH
7900	----	----	14.26B/13.35A	14.26B/13.35A	----	13.81 - 0.33	.9824	----	----	----	----	39 UNCH
7950	14.08	14.08	#14.76B/#13.8	#14.76B/#13.8	----	14.31 - NEW	.9863	----	5	----	----	5 + 5
8000	14.59	14.59	15.26B/14.30A	15.26B/14.30A	----	14.81 - 0.33	.9866	----	5	----	----	6 + 5
8050	15.23	15.23	15.75B/14.80A	15.75B/14.80A	----	15.31 - 0.32	.9870	----	6	----	----	6 + 5
8100	----	----	16.25B/15.35A	16.25B/15.35A	----	15.80 - 0.33	.9872	----	----	----	----	1 UNCH
8600	----	----	21.24B/20.32A	21.24B/20.32A	----	20.79 - 0.33	.9978	----	----	----	----	3 UNCH
8650	----	----	21.73B/20.82A	21.73B/20.82A	----	21.29 - 0.33	.9982	----	----	----	----	5 UNCH
8850	----	----	23.74B/22.83A	23.74B/22.83A	----	23.29 - 0.33	.9992	----	----	----	----	1 UNCH
TOTAL										25474	2500	176387 + 8570
NOV18												
2900	----	----	----	----	----	0.01	UNCH	----	----	----	----	2 UNCH
3200	----	----	----	----	----	0.01	UNCH	----	----	----	----	1 UNCH
3300	----	----	----	----	----	0.01	UNCH	----	----	----	----	10 UNCH
3400	----	----	----	----	----	0.01	UNCH	----	----	----	----	6 UNCH
3500	----	----	----	----	----	0.01	UNCH	.0000	----	----	----	63 UNCH
3550	----	----	----	----	----	0.01	UNCH	.0000	----	----	----	10 UNCH
3600	----	----	----	----	----	0.01	UNCH	.0000	----	----	----	270 UNCH
3650	----	----	----	----	----	0.01	UNCH	.0000	----	----	----	16 UNCH
3700	----	----	----	----	----	0.01	UNCH	.0000	----	----	----	129 UNCH
3750	----	----	----	----	----	0.01	UNCH	.0000	----	----	----	344 UNCH
3800	----	----	----	----	----	0.01	UNCH	.0000	----	----	----	345 UNCH
3850	----	----	----	----	----	0.01	UNCH	.0001	----	----	----	303 UNCH
3900	----	----	----	----	----	0.01	UNCH	.0001	----	----	----	407 UNCH
3950	----	----	----	----	----	0.01	UNCH	.0002	----	----	----	361 UNCH
4000	----	----	----	----	----	0.01	UNCH	.0003	----	----	----	1287 UNCH
4050	----	----	----	----	----	0.01	UNCH	.0004	----	----	----	75 UNCH
4100	----	----	----	----	----	0.01	UNCH	.0006	----	----	----	225 UNCH
4150	----	----	----	----	----	0.01	UNCH	.0008	----	1	----	98 + 1
4200	----	----	----	----	----	0.01	UNCH	.0011	----	----	----	304 UNCH
4250	----	----	----	----	----	0.01	UNCH	.0014	----	----	----	696 UNCH
4300	----	----	----	----	----	0.01	UNCH	.0018	----	----	----	29 UNCH
4350	----	----	----	----	----	0.01	UNCH	.0024	----	----	----	179 UNCH
4400	----	----	----	----	----	0.01	UNCH	.0030	----	----	----	326 UNCH
4450	----	----	----	----	----	0.02	UNCH	.0055	----	----	----	38 UNCH
4500	----	----	----	----	----	0.02	UNCH	.0057	----	88	----	1654 - 85
4550	0.02	0.02	0.02/0.02	0.02/0.02	----	0.02 - 0.01	.0058	----	246	----	----	706 + 246
4600	----	----	----	----	----	0.02 - 0.01	.0060	----	----	----	----	577 UNCH
4650	----	----	----	----	----	0.03	UNCH	.0086	----	6	----	516 + 6
4700	0.03	0.03	0.04/0.03	0.04/0.03	----	0.03 - 0.01	.0088	----	4	----	----	872 + 2
4750	----	----	----	----	----	0.03 - 0.01	.0090	----	----	----	----	327 UNCH
4800	0.04	0.04	0.04/0.04	0.04/0.04	----	0.04 - 0.01	.0117	----	1	----	----	585 + 1
4850	----	----	----	----	----	0.04 - 0.01	.0120	----	----	----	----	283 UNCH
4900	0.05	0.05	0.06/0.05	0.06/0.05	----	0.05 - 0.01	.0147	----	395	----	----	572 + 347
4950	0.06	0.06	0.06/0.06	0.06/0.06	----	0.06 - 0.01	.0174	----	62	----	----	311 - 7
5000	0.08	0.08	0.08/0.05	0.08/0.05	----	0.06 - 0.02	.0180	----	3054	----	----	4989 + 1331
5050	0.07	0.07	0.07/0.07	0.07/0.07	----	0.07 - 0.02	.0208	----	356	----	----	469 + 310
5100	0.08	0.08	0.09/0.08	0.09/0.08	----	0.08 - 0.02	.0237	----	76	----	----	780 + 49
5150	0.09	0.09	0.10/0.09	0.10/0.09	----	0.09 - 0.02	.0267	----	56	----	----	300 + 2
5200	0.10	0.10	0.12/0.10	0.12/0.10	----	0.11 - 0.01	.0319	----	487	600	----	2090 + 726
5250	0.11	0.11	0.13/0.11	0.13/0.11	----	0.12 - 0.02	.0351	----	18	----	----	863 + 6
5300	0.14	0.14	0.15B/0.13A	0.15B/0.13A	----	0.14 - 0.02	.0405	----	43	----	----	874 + 25
5350	0.19	0.19	0.19/0.15	0.19/0.15	----	0.16 - 0.02	.0460	----	59	----	----	647 - 47
5400	0.20	0.20	0.20/0.16	0.20/0.16	----	0.18 - 0.03	.0516	----	135	----	----	1198 + 31
5450	0.23	0.23	0.23/0.19	0.23/0.19	----	0.21 - 0.02	.0594	----	8	300	----	1221 UNCH
5500	0.26	0.26	0.27B/0.21	0.27B/0.21	----	0.24 - 0.03	.0672	----	444	----	----	4044 + 332
5550	0.28	0.28	0.31B/0.24A	0.31B/0.24A	----	0.28 - 0.03	.0770	----	51	----	----	241 + 47
5600	0.32	0.32	0.35/0.27	0.35/0.27	----	0.32 - 0.03	.0870	----	263	----	----	1319 + 167
5650	0.39	0.39	0.41B/0.32A	0.41B/0.32A	----	0.37 - 0.03	.0988	----	67	----	----	430 + 8
5700	0.39	0.39	0.47/0.36	0.47/0.36	----	0.42 - 0.03	.1108	----	94	----	----	1357 + 54
5750	0.46	0.46	0.53/0.41A	0.53/0.41A	----	0.48 - 0.04	.1246	----	74	----	----	448 + 13
5800	0.60	0.60	0.61B/0.46	0.61B/0.46	----	0.55 - 0.04	.1400	----	107	----	----	1449 + 15
5850	0.59	0.59	0.69B/0.54	0.69B/0.54	----	0.63 - 0.04	.1569	----	126	----	----	1567 + 12
5900	0.69	0.69	0.79B/0.61A	0.79B/0.61A	----	0.71 - 0.05	.1742	----	388	----	----	1230 + 129
5950	0.76	0.76	0.89B/0.69A	0.89B/0.69A	----	0.81 - 0.04	.1940	----	128	----	----	767 + 98
6000	0.97	0.97	1.00B/0.79A	1.00B/0.79A	----	0.91 - 0.05	.2141	----	401	----	----	6886 + 293
6050	0.95	0.95	1.12B/0.89A	1.12B/0.89A	----	1.03 - 0.05	.2364	----	327	----	----	951 + 246
6100	1.13	1.13	1.27/1.00A	1.27/1.00A	----	1.15 - 0.07	.2591	----	285	----	----	2992 + 193
6150	1.22	1.22	1.41B/1.12A	1.41B/1.12A	----	1.29 - 0.07	.2838	----	300	----	----	613 + 242
6200	1.38	1.38	1.57B/1.25	1.57B/1.25	----	1.44 - 0.08	.3095	----	621	----	----	6480 + 234
6250	1.56	1.56	1.75B/1.41A	1.75B/1.41A	----	1.60 - 0.09	.3362	----	79	----	----	1040 + 1
6300	1.56	1.56	1.94B/1.56	1.94B/1.56	----	1.78 - 0.10	.3642	----	19	----	----	



PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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Table with columns: LO PUT, NYMEX CRUDE OIL OPTIONS (PHY), GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include contract months from DEC18 to JAN19.



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Table with columns: LO, PUT, JAN19, NYMEX, CRUDE, OIL, OPTIONS (PHY), GLOBEX OPEN, OPEN RANGE, OUTCRY RANGE, GLOBEX HIGH/LOW, OPEN HIGH/LOW, OUTCRY HIGH/LOW, OPEN CLOSE, OUTCRY RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include contract months from 2100 to 8500 and a total row.

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PRELIMINARY

PG63 BULLETIN #159@

ENERGY OPTIONS

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Table with columns: OH PUT SEP18, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include NYMEX HEATING OIL (PHY) OPTIONS for SEP18, OCT18, NOV18, DEC18, and JAN19.



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Table with columns: LN CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include contract months like OCT18, NOV18, and DEC18 with various price and volume data.

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PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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PG63 BULLETIN #159@

ENERGY OPTIONS

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ENERGY OPTIONS

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ENERGY OPTIONS

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PRELIMINARY



PG63 BULLETIN #159@

ENERGY OPTIONS

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Table with columns: LN, PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE, DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include NYMEX NATURAL GAS (EURO) OPTS for DEC18, JAN19, FEB19, and MAR19.

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PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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Table with columns: LN, PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE, DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include MAR19, APR19, MAY19, JUN19.



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Table with columns: LN, PUT, OPEN, GLOBEX OPEN, OPEN RANGE, OUTCRY, GLOBEX HIGH/LOW, OPEN HIGH/LOW, OUTCRY CLOSE, RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months JUN19, JUL19, AUG19, SEP19, OCT19 and various contract months.



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Table with columns: LN, PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months like OCT19, NOV19, DEC19, JAN20, FEB20, MAR20 and various contract specifications.



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Table with columns: LN, PUT, OPEN, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows are categorized by month (APR20, MAY20, JUN20, JUL20, AUG20, SEP20) and include various contract specifications and prices.



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Table with columns: LN, PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from SEP20 to APR21.

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Table with columns: LN, PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from APR21 to APR22 and various contract specifications.



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ENERGY OPTIONS

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Table with columns: LN, PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months APR22, MAY22, JUN22, JUL22, AUG22, SEP22, OCT22, NOV22, DEC22, JAN23, FEB23, MAR23, APR23.

2018 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

20 South Wacker Drive, Chicago, Illinois 60606-7499.

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ENERGY OPTIONS

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Table with columns: LN PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from MAY23 to SEP24 with various contract specifications and volume data.

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20 South Wacker Drive, Chicago, Illinois 60606-7499.
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PRELIMINARY

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LN	PUT	SEPT	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX	PNT	OPEN
SEP24					HIGH/LOW			& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
5300								2.2498 - 0.0042	.9596					60 UNCH
TOTAL														241
OCT24														
2250								0.1099 - 0.0005	.2128					116 UNCH
2500								0.1933 - 0.0010	.3310					50 UNCH
2650								0.2575 - 0.0012	.4104					20 UNCH
5300								2.2226 - 0.0042	.9565					60 UNCH
TOTAL														246
NOV24														
2250								0.1024 - 0.0005	.1944					113 UNCH
2500								0.1793 - 0.0008	.3039					50 UNCH
2650								0.2389 - 0.0011	.3787					20 UNCH
5300								2.1675 - 0.0043	.9501					60 UNCH
TOTAL														243
DEC24														
2250								0.0822 - 0.0004	.1546					120 UNCH
2500								0.1462 - 0.0007	.2477					50 UNCH
2650								0.1974 - 0.0009	.3135					20 UNCH
5300								2.0477 - 0.0042	.9362					60 UNCH
TOTAL														250
JAN25														
2250								0.0655 - 0.0004	.1259					45 UNCH
TOTAL														45
FEB25														
2250								0.0704 - 0.0004	.1340					40 UNCH
TOTAL														40
MAR25														
2250								0.0802 - 0.0005	.1513					36 UNCH
TOTAL														36
APR25														
2250								0.1182 - 0.0006	.2196					42 UNCH
TOTAL														42
MAY25														
2250								0.1231 - 0.0006	.2271					42 UNCH
TOTAL														42
JUN25														
2250								0.1194 - 0.0006	.2189					37 UNCH
TOTAL														37
JUL25														
2250								0.1151 - 0.0006	.2100					37 UNCH
TOTAL														37
AUG25														
2250								0.1128 - 0.0006	.2045					33 UNCH
TOTAL														33
SEP25														
2250								0.1135 - 0.0006	.2045					36 UNCH
TOTAL														36
OCT25														
2250								0.1096 - 0.0006	.1964					41 UNCH
TOTAL														41
NOV25														
2250								0.1003 - 0.0005	.1787					38 UNCH
TOTAL														38
DEC25														
2250								0.0804 - 0.0005	.1427					45 UNCH
TOTAL														45
JAN26														
2250								0.0680 - 0.0004	.1199					45 UNCH
TOTAL														45
FEB26														
2250								0.0729 - 0.0003	.1275					40 UNCH
TOTAL														40
MAR26														
2250								0.0819 - 0.0005	.1425					36 UNCH
TOTAL														36
APR26														
2250								0.1169 - 0.0006	.2020					42 UNCH
TOTAL														42
MAY26														
2250								0.1215 - 0.0006	.2088					42 UNCH
TOTAL														42
JUN26														
2250								0.1184 - 0.0006	.2023					37 UNCH
TOTAL														37
JUL26														
2250								0.1150 - 0.0006	.1955					37 UNCH
TOTAL														37
AUG26														
2250								0.1124 - 0.0005	.1898					33 UNCH
TOTAL														33
SEP26														
2250								0.1130 - 0.0005	.1898					36 UNCH
TOTAL														36
OCT26														
2250								0.1093 - 0.0006	.1826					41 UNCH
TOTAL														41
NOV26														
2250								0.1004 - 0.0005	.1666					38 UNCH
TOTAL														38
DEC26														
2250								0.0820 - 0.0004	.1350					45 UNCH
TOTAL														45
JAN27														
2250								0.0683 - 0.0004	.1130					45 UNCH
TOTAL														45
FEB27														
2250								0.0727 - 0.0003	.1197					40 UNCH
TOTAL														40
MAR27														
2250								0.0810 - 0.0004	.1330					36 UNCH
TOTAL														36

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ENERGY OPTIONS

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Table with columns: LN, PUT, OPEN, OUTCRY, GLOBEX, OPEN, OUTCRY, SETT.PRICE & PT.CHGE., DELTA, EXER, CISES, OPEN, GLOBEX, PNT, OPEN. Rows include months from APR27 to FEB29.

Table with columns: ON CALL, LN, PUT, OPEN, OUTCRY, GLOBEX, OPEN, OUTCRY, SETT.PRICE & PT.CHGE., DELTA, EXER, CISES, OPEN, GLOBEX, PNT, OPEN. Rows include months from SEP18 to OCT18.

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include ON CALL MAY19, JUN19, JUL19, AUG19, SEP19, OCT19, NOV19, DEC19, JAN20, ON PUT SEP18, OCT18, NOV18.

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PG63 BULLETIN #159@

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include NYMEX ONE DAY NATURAL GAS OPTIONS for months 16AUG18, 17AUG18.

Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include NYMEX RBOB (PHY) OPTIONS for month SEP18.

Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include NYMEX RBOB (PHY) OPTIONS for month OCT18.

Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include NYMEX RBOB (PHY) OPTIONS for month NOV18.

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GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
PMA OOF PJM WEST HUB REAL-TIME PK CAL 50 MW											
JUN21											
3500	----	----	----	----	5.19 UNCH	.6630	----	----	----	----	22 UNCH
3500	----	----	----	----	1.39 UNCH	.3370	----	----	----	----	22 UNCH
TOTAL											44
JUL21											
3500	----	----	----	----	4.42 UNCH	.6519	----	----	----	----	21 UNCH
3500	----	----	----	----	2.25 UNCH	.3480	----	----	----	----	21 UNCH
TOTAL											42
AUG21											
3500	----	----	----	----	3.62 - 0.01	.5062	----	----	----	----	22 UNCH
3500	----	----	----	----	2.65 UNCH	.4937	----	----	----	----	22 UNCH
TOTAL											44
SEP21											
3500	----	----	----	----	1.43 - 0.01	.3365	----	----	----	----	21 UNCH
3500	----	----	----	----	5.41 UNCH	.6634	----	----	----	----	21 UNCH
TOTAL											42
OCT21											
3500	----	----	----	----	7.03 - 0.01	.7674	----	----	----	----	21 UNCH
3500	----	----	----	----	0.83 UNCH	.2325	----	----	----	----	21 UNCH
TOTAL											42
NOV21											
3500	----	----	----	----	7.05 - 0.01	.7632	----	----	----	----	21 UNCH
3500	----	----	----	----	0.86 UNCH	.2367	----	----	----	----	21 UNCH
TOTAL											42
DEC21											
3500	----	----	----	----	1.85 - 0.01	.3891	----	----	----	----	23 UNCH
3500	----	----	----	----	4.96 UNCH	.6108	----	----	----	----	23 UNCH
TOTAL											46
RPF CALL POWDR RIVR COAL OPT ON QTY FUT STRP											
OCT18											
1200	----	----	----	----	0.56 - 0.01	.9429	----	----	----	----	110 UNCH
1250	----	----	----	----	0.19 UNCH	.5560	----	----	----	----	15 UNCH
TOTAL											125
RA CALL RBOB APO (AVERAGE PRICE) OPTIONS											
OCT18											
17500	----	----	----	----	0.1414 - 0.0004	.7376	----	----	----	----	50 UNCH
19500	----	----	----	----	0.0400 - 0.0007	.3358	----	----	----	----	10 UNCH
22000	----	----	----	----	0.0045 - 0.0003	.0557	----	----	----	----	10 UNCH
22500	----	----	----	----	0.0027 - 0.0002	.0355	----	----	----	----	5 UNCH
TOTAL											75
NOV18											
17500	----	----	----	----	0.1454 + 0.0003	.6803	----	----	----	----	50 UNCH
19500	----	----	----	----	0.0536 - 0.0002	.3542	----	----	----	----	10 UNCH
22000	----	----	----	----	0.0117 - 0.0003	.1035	----	----	----	----	10 UNCH
22500	----	----	----	----	0.0083 - 0.0002	.0771	----	----	----	----	5 UNCH
26500	----	----	----	----	0.0003 - 0.0001	.0039	----	----	----	----	20 UNCH
TOTAL											95
DEC18											
17500	----	----	----	----	0.1583 + 0.0008	.6595	----	----	----	----	50 UNCH
19500	----	----	----	----	0.0652 + 0.0002	.3745	----	----	----	----	10 UNCH
22000	----	----	----	----	0.0166 - 0.0001	.1284	----	----	----	----	10 UNCH
22500	----	----	----	----	0.0123 UNCH	.0997	----	----	----	----	5 UNCH
TOTAL											75
JAN19											
22000	----	----	----	----	0.0252 - 0.0001	.1654	----	----	----	----	10 UNCH
22500	----	----	----	----	0.0196 - 0.0001	.1345	----	----	----	----	5 UNCH
TOTAL											15
FEB19											
22000	----	----	----	----	0.0357 - 0.0002	.2038	----	----	----	----	10 UNCH
22500	----	----	----	----	0.0288 - 0.0001	.1713	----	----	----	----	5 UNCH
TOTAL											15
RA PUT RBOB APO (AVERAGE PRICE) OPTIONS											
SEP18											
15000	----	----	----	----	0.0001 UNCH	.0019	----	----	----	----	100 UNCH
TOTAL											100
OCT18											
15000	----	----	----	----	0.0021 - 0.0002	.0246	----	----	----	----	50 UNCH
TOTAL											50
NOV18											
15000	----	----	----	----	0.0074 - 0.0004	.0615	----	----	----	----	50 UNCH
TOTAL											50
DEC18											
15000	----	----	----	----	0.0135 - 0.0004	.0899	----	----	----	----	50 UNCH
TOTAL											50
RF PUT RBOB EURO EXPIRATION OPTION											
OCT18											
13000	----	----	----	----	0.0001 UNCH	.0012	----	----	----	----	125 UNCH
TOTAL											125
PJ CALL SAN JUAN PIPE OPTION											
NOV18											
2250	----	----	----	----	0.1764 + 0.0173	.7262	----	----	----	----	180 UNCH
TOTAL											180
DEC18											
2250	----	----	----	----	0.4260 + 0.0340	.8986	----	----	----	----	180 UNCH
3400	----	----	----	----	0.0117 + 0.0020	.0667	----	----	----	----	124 UNCH
3750	----	----	----	----	0.0040 + 0.0005	.0244	----	----	----	----	124 UNCH
TOTAL											428
JAN19											
2250	----	----	----	----	0.5238 + 0.0501	.8833	----	----	----	----	180 UNCH
3250	----	----	----	----	0.0720 + 0.0117	.2367	----	----	124	----	248 + 62 UNCH
3400	----	----	----	----	0.0520 + 0.0085	.1803	----	----	----	----	124 UNCH
3750	----	----	----	----	0.0250 + 0.0040	.0950	----	----	----	----	124 UNCH
TOTAL									124		676 + 62 UNCH
FEB19											
2250	----	----	----	----	0.4851 + 0.0461	.8214	----	----	----	----	180 UNCH
3150	----	----	----	----	0.1194 + 0.0156	.3064	----	----	----	----	168 UNCH
3250	----	----	----	----	0.1024 + 0.0135	.2697	----	----	----	----	224 UNCH
3400	----	----	----	----	0.0817 + 0.0107	.2226	----	----	----	----	112 UNCH
3750	----	----	----	----	0.0491 + 0.0064	.1427	----	----	----	----	112 UNCH

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7A PUT												
SEP18												
- 150	----	----	----	----	----	0.01 UNCH	----	----	----	----	----	50 UNCH
- 50	----	----	----	----	----	0.01 UNCH	----	----	----	----	----	100 UNCH
- 25	----	----	----	----	----	0.01 UNCH	0.000	----	----	----	----	2000 UNCH
- 15	----	----	----	----	----	0.01 UNCH	0.000	----	----	----	----	500 UNCH
- 10	----	----	----	----	----	0.01 UNCH	0.001	----	----	----	----	100 UNCH
0	----	----	----	----	----	0.01 UNCH	0.007	----	----	----	----	5700 UNCH
20	----	----	----	----	----	0.01 UNCH	0.119	----	----	----	----	550 UNCH
25	----	----	----	----	----	0.01 - 0.01	0.209	----	----	----	----	2050 UNCH
30	----	----	----	----	----	0.01 - 0.01	0.352	----	----	----	----	1000 UNCH
35	----	----	----	----	----	0.01 - 0.02	0.568	----	----	----	----	300 UNCH
60	----	----	----	----	----	0.02 - 0.05	1.395	----	----	----	----	3100 UNCH
75	----	----	----	----	----	0.05 - 0.08	3.071	----	----	----	----	700 UNCH
125	----	----	----	----	----	0.13 - 0.10	5.884	----	----	----	----	1500 UNCH
TOTAL						0.56 - 0.12	9.608	----	----	----	----	300 UNCH
												17950
OCT18												
- 150	----	----	----	----	----	0.01 UNCH	----	----	----	----	----	50 UNCH
- 50	----	----	----	----	----	0.01 UNCH	0.118	----	----	----	----	100 UNCH
- 25	----	----	----	----	----	0.01 - 0.01	0.632	----	----	----	----	2000 UNCH
- 15	----	----	----	----	----	0.03 - 0.01	1.425	----	----	----	----	500 UNCH
- 10	----	----	----	----	----	0.03 - 0.02	1.527	----	----	----	----	100 UNCH
0	----	----	----	----	----	0.05 - 0.03	2.289	----	----	----	----	4800 UNCH
20	----	----	----	----	----	0.13 - 0.03	4.308	----	----	----	----	650 UNCH
25	----	----	----	----	----	0.15 - 0.04	4.797	----	----	----	----	1000 UNCH
30	----	----	----	----	----	0.18 - 0.04	5.294	----	----	----	----	1000 UNCH
35	----	----	----	----	----	0.21 - 0.04	5.769	----	----	----	----	300 UNCH
50	----	----	----	----	----	0.32 - 0.05	6.952	----	----	----	----	750 UNCH
TOTAL												11250
NOV18												
- 150	----	----	----	----	----	0.01 UNCH	0.270	----	----	----	----	50 UNCH
- 50	----	----	----	----	----	0.02 - 0.01	0.780	----	----	----	----	100 UNCH
- 25	----	----	----	----	----	0.03 - 0.02	1.265	----	----	----	----	2000 UNCH
- 15	----	----	----	----	----	0.05 - 0.02	1.859	----	----	----	----	500 UNCH
- 10	----	----	----	----	----	0.06 - 0.02	2.148	----	----	----	----	100 UNCH
0	----	----	----	----	----	0.08 - 0.03	2.743	----	----	----	----	2450 UNCH
20	----	----	----	----	----	0.16 - 0.04	4.352	----	----	----	----	650 UNCH
25	----	----	----	----	----	0.18 - 0.05	4.752	----	----	----	----	1000 UNCH
30	----	----	----	----	----	0.21 - 0.05	5.160	----	----	----	----	1000 UNCH
35	----	----	----	----	----	0.24 - 0.05	5.551	----	----	----	----	300 UNCH
TOTAL												8150
DEC18												
- 150	----	----	----	----	----	0.01 UNCH	0.279	----	----	----	----	50 UNCH
- 50	----	----	----	----	----	0.02 - 0.01	0.819	----	----	----	----	750 UNCH
- 25	----	----	----	----	----	0.04 - 0.02	1.573	----	----	----	----	5050 UNCH
- 20	----	----	----	----	----	0.05 - 0.02	1.864	----	----	----	----	500 UNCH
- 15	----	----	----	----	----	0.06 - 0.02	2.153	----	----	----	----	500 UNCH
- 10	----	----	----	----	----	0.07 - 0.03	2.446	----	----	----	----	100 UNCH
0	----	----	----	----	----	0.10 - 0.03	3.169	----	----	----	----	5550 UNCH
20	----	----	----	----	----	0.19 - 0.03	4.765	----	----	----	----	900 UNCH
25	----	----	----	----	----	0.22 - 0.03	5.152	----	----	----	----	1700 UNCH
30	----	----	----	----	----	0.25 - 0.03	5.524	----	----	----	----	1500 UNCH
35	----	----	----	----	----	0.28 - 0.04	5.887	----	----	----	----	300 UNCH
60	----	----	----	----	----	0.47 - 0.04	7.308	----	----	----	----	250 UNCH
TOTAL												17150
JAN19												
- 25	----	----	----	----	----	0.05 UNCH	1.682	----	----	----	----	250 UNCH
0	----	----	----	----	----	0.12 - 0.01	3.157	----	----	----	----	1750 UNCH
25	----	----	----	----	----	0.24 - 0.01	4.811	----	----	----	----	950 UNCH
50	----	----	----	----	----	0.40 - 0.01	6.251	----	----	----	----	1000 UNCH
TOTAL												3950
FEB19												
- 25	----	----	----	----	----	0.08 UNCH	2.211	----	----	----	----	250 UNCH
0	----	----	----	----	----	0.16 UNCH	3.610	----	----	----	----	750 UNCH
25	----	----	----	----	----	0.28 UNCH	5.118	----	----	----	----	450 UNCH
50	----	----	----	----	----	0.44 UNCH	6.477	----	----	----	----	1000 UNCH
TOTAL												2450
MAR19												
- 25	----	----	----	----	----	0.08 - 0.01	2.212	----	----	----	----	250 UNCH
0	----	----	----	----	----	0.16 UNCH	3.611	----	----	----	----	750 UNCH
25	----	----	----	----	----	0.28 UNCH	5.118	----	----	----	----	250 UNCH
50	----	----	----	----	----	0.44 - 0.01	6.477	----	----	----	----	1000 UNCH
TOTAL												2250
APR19												
- 25	----	----	----	----	----	0.09 UNCH	2.372	----	----	----	----	250 UNCH
0	----	----	----	----	----	0.17 UNCH	3.741	----	----	----	----	750 UNCH
25	----	----	----	----	----	0.29 UNCH	5.236	----	----	----	----	250 UNCH
TOTAL												1250
MAY19												
- 25	----	----	----	----	----	0.09 - 0.01	2.351	----	----	----	----	250 UNCH
0	----	----	----	----	----	0.17 UNCH	3.702	----	----	----	----	750 UNCH
25	----	----	----	----	----	0.29 - 0.01	5.174	----	----	----	----	250 UNCH
TOTAL												1250
JUN19												
- 25	----	----	----	----	----	0.08 UNCH	2.137	----	----	----	----	250 UNCH
0	----	----	----	----	----	0.16 UNCH	3.469	----	----	----	----	750 UNCH
25	----	----	----	----	----	0.28 UNCH	4.890	----	----	----	----	250 UNCH
TOTAL												1250
JUL19												
0	----	----	----	----	----	0.16 UNCH	3.469	----	----	----	----	500 UNCH
TOTAL												500
AUG19												
0	----	----	----	----	----	0.17 UNCH	3.593	----	----	----	----	500 UNCH
TOTAL												500
SEP19												
0	----	----	----	----	----	0.19 UNCH	3.724	----	----	----	----	500 UNCH
TOTAL												500
OCT19												
0	----	----	----	----	----	0.13 UNCH	3.386	----	----	----	----	500 UNCH
TOTAL												500
NOV19												
0	----	----	----	----	----	0.15 + 0.01	3.636	----	----	----	----	500 UNCH
TOTAL												500
DEC19												
0	----	----	----	----	----	0.12 UNCH	3.127	----	----	----	----	500 UNCH
TOTAL												500
WA CALL												
SEP18												
0	----	----	----	----	----	0.71 + 0.12	9.998	----	----	----	----	250 UNCH
25	----	----	----	----	----	0.46 + 0.11	9.887	----	----	----	----	1125 UNCH
40	----	----	----	----	----	0.31 + 0.09	9.358	----	----	----	----	100 UNCH



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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include WA CALL SEP18, OCT18, NOV18, DEC18, JAN19, FEB19, MAR19, APR19, MAY19, JUN19, WA PUT SEP18, OCT18.



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Table with columns: WA PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from OCT18 to NOV19 with various contract specifications and volume data.

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include WTI CRUDE OIL, WTI-BRENT SPREAD OPTION, and various contract months from NOV19 to OCT19.



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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include BV CALL, WTI-BRENT SPREAD OPTION, NOV19, DEC19, JAN20, FEB20, MAR20, APR20, MAY20, JUN20, JUL20, AUG20, SEP20, OCT20, NOV20, DEC20, BV PUT, OCT18, NOV18, DEC18, JAN19.



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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from JAN19 to FEB20 with various contract specifications and volume data.

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from FEB20 to DEC20 with sub-rows for -1200, -250, and TOTAL.



PRELIMINARY

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ENERGY OPTIONS

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OPTIONS EOO'S AND BLOCKS

PRODUCT	STRIKE PRICE	E00 VOLUME	BLOCK VOLUME
NYMEX CRUDE OIL OPTIONS (PHY)			
LO CALL			
OCT18			
LO	6500	0	500
LO	6600	0	300
LO	6850	0	150
TOTALS		0	950
NOV18	6800	0	650
LO		0	650
TOTALS		0	650
DEC18			
LO	6450	0	1200
LO	6600	0	100
LO	7500	0	200
TOTALS		0	1500
FEB19			
LO	6450	0	300
LO	6550	0	100
LO	7000	0	300
TOTALS		0	700
MAR19	6450	0	650
LO		0	650
TOTALS		0	650
JUN19			
LO	6500	0	300
LO	7500	0	450
TOTALS		0	750
NYMEX CRUDE OIL OPTIONS (PHY)			
LO PUT			
OCT18			
LO	6350	0	1300
LO	6450	0	1200
TOTALS		0	2500
NOV18			
LO	5200	0	600
LO	5450	0	300
TOTALS		0	900
DEC18	6600	0	100
LO		0	100
TOTALS		0	100
FEB19	6000	0	300
LO		0	300
TOTALS		0	300
MAR19	5700	0	200
LO		0	200
TOTALS		0	200
JUN19			
LO	5500	0	650
LO	6000	0	1200
LO	6500	0	300
TOTALS		0	2150
DEC19	4500	0	100
LO		0	100
TOTALS		0	100
DEC20	4300	0	300
LO		0	300
TOTALS		0	300
NYMEX NATURAL GAS OPTIONS (PHY)			
ON CALL			
MAR19			
ON	4500	0	900
TOTALS		0	900
NYMEX NATURAL GAS OPTIONS (PHY)			
ON PUT			
MAR19			
ON	2400	0	900
TOTALS		0	900
NYMEX HEATING OIL (PHY) OPTIONS			
OH CALL			
SEP18			
OH	21000	0	25
OH	21500	0	200
TOTALS		0	225
OCT18			
OH	21500	0	200
OH	22000	0	450
TOTALS		0	650
NYMEX HEATING OIL (PHY) OPTIONS			
OH PUT			
DEC18			
OH	15000	0	250
OH	17500	0	250
TOTALS		0	500
APR19	19000	0	150
OH		0	150
TOTALS		0	150
NYMEX RBOB (PHY) OPTIONS			
OB CALL			
NOV18			
OB	19100	0	100
TOTALS		0	100
NYMEX RBOB (PHY) OPTIONS			
OB PUT			
SEP18			
OB	19500	0	100
OB	20000	0	50
TOTALS		0	150
WTI CRUDE OIL 1MO CAL SPRD OPTIONS			
WA CALL			
OCT18			
WA	50	0	350
TOTALS		0	350
NOV18	50	0	350
WA		0	350

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TOTALS		0	350
DEC18 CALL			
WA	50	0	350
TOTALS		0	350

WA PUT	WTI CRUDE OIL 1MO CAL SPRD	OPTIONS	
SEP18 PUT			
WA	50	0	450
WA	65	0	450
TOTALS		0	900
OCT18 PUT			
WA	0	0	100
TOTALS		0	100
NOV18 PUT			
WA	0	0	100
TOTALS		0	100
DEC18 PUT			
WA	0	0	100
TOTALS		0	100

LC CALL	NYMEX CRUDE OIL (EURO) OPTS (PHY)	
NOV18 CALL		
LC	6800	0
TOTALS		728

LN CALL	NYMEX NATURAL GAS (EURO) OPTS	
SEP18 CALL		
LN	2850	0
LN	2950	0
LN	3000	0
LN	3050	0
LN	3150	0
TOTALS		2025

OCT18 CALL		
LN	2950	0
LN	3050	0
LN	3100	0
LN	3250	0
TOTALS		1400

NOV18 CALL		
LN	3250	0
TOTALS		500

DEC18 CALL		
LN	3500	0
TOTALS		450

JAN19 CALL		
LN	3250	0
LN	3750	0
TOTALS		300

FEB19 CALL		
LN	3500	0
TOTALS		150

MAR19 CALL		
LN	2950	0
LN	3000	0
LN	4000	0
LN	5000	0
TOTALS		900

APR19 CALL		
LN	3000	0
LN	3100	0
LN	3500	0
TOTALS		3450

MAY19 CALL		
LN	3000	0
TOTALS		3100

JUL19 CALL		
LN	2750	0
TOTALS		100

OCT19 CALL		
LN	2750	0
TOTALS		100

APR20 CALL		
LN	2550	0
TOTALS		300

MAY20 CALL		
LN	3000	0
TOTALS		200

JUN21 CALL		
LN	4000	0
TOTALS		400

LN PUT	NYMEX NATURAL GAS (EURO) OPTS	
SEP18 PUT		
LN	2750	0
LN	2800	0
LN	2850	0
LN	2900	0
LN	2950	0
TOTALS		1125

OCT18 PUT		
LN	2700	0
LN	2750	0
LN	2800	0
LN	2900	0
LN	2950	0
TOTALS		3950

NOV18 PUT		
LN	2750	0
LN	2900	0
TOTALS		700

DEC18 PUT		
LN	2500	0
LN	3000	0
TOTALS		550

JAN19 PUT		
LN	2700	0
LN	3000	0
TOTALS		450

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TOTALS		0	650
MAR19	PUT		
LN		2000	0
TOTALS		0	1900
APR19	PUT		
LN		1750	0
LN		2500	0
LN		2600	0
TOTALS		0	700
NOV19	PUT		
LN		2400	0
TOTALS		0	150
JUN20	PUT		
LN		2500	0
TOTALS		0	6
JUL20	PUT		
LN		2500	0
TOTALS		0	6
AUG20	PUT		
LN		2500	0
TOTALS		0	6
SEP20	PUT		
LN		2500	0
TOTALS		0	6
OCT20	PUT		
LN		2500	0
TOTALS		0	6
NOV20	PUT		
LN		2500	0
TOTALS		0	6
DEC20	PUT		
LN		2500	0
TOTALS		0	6

KD PUT NYMEX ONE DAY NATURAL GAS OPTIONS

AUG18	PUT		
KD		2925	0
TOTALS		0	100

BE CALL BRENT EURO STYLE OPTION

MAR19	CALL		
BE		7150	0
BE		7300	0
BE		7350	0
BE		7700	0
BE		7800	0
BE		8200	0
BE		8300	0
TOTALS		0	8898

BV CALL WTI-BRENT SPREAD OPTION

OCT18	CALL		
BV		-300	0
TOTALS		0	100

NOV18	CALL		
BV		-300	0
TOTALS		0	50

DEC18	CALL		
BV		-500	0
TOTALS		0	250

BV PUT WTI-BRENT SPREAD OPTION

NOV18	PUT		
BV		-900	0
TOTALS		0	350

DEC18	PUT		
BV		-1000	0
TOTALS		0	750

AO PUT CRUDE OIL APO OPTIONS

OCT18	PUT		
AO		6400	0
TOTALS		0	200

AT PUT HEATING OIL APO (AVG PRICE) OPTIONS

OCT18	PUT		
AT		20000	0
TOTALS		0	4

NOV18	PUT		
AT		20000	0
TOTALS		0	4

DEC18	PUT		
AT		20000	0
TOTALS		0	4

JAN19	PUT		
AT		20000	0
TOTALS		0	4

PJ CALL SAN JUAN PIPE OPTION

JAN19	CALL		
PJ		3250	0
TOTALS		0	124

6J CALL NATURAL GAS OPTION ON CALENDAR STRP

JAN19	CALL		
6J		3000	0
TOTALS		0	400

6J PUT NATURAL GAS OPTION ON CALENDAR STRP

JAN19	PUT		
6J		2500	0
TOTALS		0	200

U20 PUT U20 SHORT TERM NG OPTIONS

AUG18	PUT		
U20		290	0
U20		292	0
TOTALS		0	350

THE INFORMATION CONTAINED IN THIS REPORT IS COMPILED FOR THE CONVENIENCE OF THE USER AND IS FURNISHED WITHOUT RESPONSIBILITY FOR ACCURACY OR CONTENT. IT IS ACCEPTED BY THE USER ON THE CONDITION THAT ERRORS OR OMISSIONS SHALL NOT BE MADE THE BASIS FOR ANY CLAIM, DEMAND, OR CAUSE FOR ACTION.



PRELIMINARY

PG63 BULLETIN #159@

ENERGY OPTIONS

Fri, Aug 17, 2018 PG63

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BZO CALL NOV18	CALL	BRENT CRUDE OIL FUT MARGIN OPT		
BZO		7900	0	300
TOTALS			0	300

BZO PUT NOV18	PUT	BRENT CRUDE OIL FUT MARGIN OPT		
BZO		7000	0	100
TOTALS			0	100