



PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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.

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ENERGY OPTIONS ON FUTURES

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 monthly data for BA CALL, NOV18, DEC18, JAN19, FEB19, MAR19, APR19, MAY19, JUN19, JUL19, AUG19, SEP19, OCT19, NOV19, JAN20, FEB20, MAR20, APR20, MAY20, JUN20, JUL20.



ENERGY OPTIONS

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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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
BA CALL	BRENT AVERAGE	PRICE OPTION									137
TOTAL											137
AUG20											130 UNCH
6900					8.11 - 0.06	.5178					130 UNCH
11500					0.56 - 0.01	.0655					7 UNCH
TOTAL											137
SEP20											130 UNCH
6900					8.15 - 0.06	.5175					130 UNCH
11500					0.60 - 0.02	.0688					6 UNCH
TOTAL											136
OCT20											110 UNCH
6950					7.86 - 0.03	.5074					110 UNCH
11500					0.65 + 0.01	.0730					6 UNCH
TOTAL											116
NOV20											110 UNCH
6900					8.08 - 0.04	.5147					110 UNCH
11500					0.68 - 0.01	.0753					6 UNCH
TOTAL											116
DEC20											65 UNCH
7190					6.95 - 0.05	.4672					65 UNCH
7360					6.34 - 0.05	.4401					6 UNCH
11500					0.71 - 0.02	.0776					6 UNCH
TOTAL											136
JAN21											50 UNCH
7360					6.41 - 0.05	.4412					50 UNCH
11500					0.73 - 0.04	.0791					6 UNCH
TOTAL											56
FEB21											50 UNCH
7360					6.45 - 0.06	.4416					50 UNCH
11500					0.76 - 0.05	.0813					6 UNCH
TOTAL											56
MAR21											50 UNCH
7360					6.50 - 0.07	.4421					50 UNCH
11500					0.79 - 0.06	.0834					5 UNCH
TOTAL											55
APR21											60 UNCH
7250					6.93 - 0.08	.4595					60 UNCH
11500					0.83 - 0.07	.0863					5 UNCH
TOTAL											65
MAY21											60 UNCH
7250					6.89 - 0.09	.4582					60 UNCH
11500					0.85 - 0.07	.0877					5 UNCH
TOTAL											65
JUN21											60 UNCH
7250					6.85 - 0.10	.4570					60 UNCH
11500					0.87 - 0.07	.0891					5 UNCH
TOTAL											65
JUL21											50 UNCH
7185					7.03 - 0.10	.4655					50 UNCH
11500					0.90 - 0.06	.0912					5 UNCH
TOTAL											55
AUG21											50 UNCH
7150					7.11 - 0.10	.4695					50 UNCH
11500					0.93 - 0.05	.0933					5 UNCH
TOTAL											55
SEP21											50 UNCH
7150					7.05 - 0.11	.4678					50 UNCH
11500					0.96 - 0.04	.0953					5 UNCH
TOTAL											55
OCT21											50 UNCH
7150					7.00 - 0.12	.4662					50 UNCH
11500					0.99 - 0.03	.0973					5 UNCH
TOTAL											55
NOV21											60 UNCH
7075					7.34 - 0.13	.4789					60 UNCH
11500					1.03 - 0.04	.1001					4 UNCH
TOTAL											64
DEC21											4 UNCH
11500					1.07 - 0.05	.1027					4 UNCH
TOTAL											4
JAN22											4 UNCH
11500					1.11 - 0.07	.1053					4 UNCH
TOTAL											4
FEB22											4 UNCH
11500					1.15 - 0.09	.1078					4 UNCH
TOTAL											4
MAR22											4 UNCH
11500					1.19 - 0.11	.1102					4 UNCH
TOTAL											4
APR22											4 UNCH
11500					1.24 - 0.13	.1133					4 UNCH
TOTAL											4
MAY22											4 UNCH
11500					1.25 - 0.13	.1139					4 UNCH
TOTAL											4
JUN22											4 UNCH
11500					1.27 - 0.13	.1151					4 UNCH
TOTAL											4
JUL22											4 UNCH
11500					1.30 - 0.13	.1169					4 UNCH
TOTAL											4
AUG22											4 UNCH
11500					1.31 - 0.13	.1175					4 UNCH
TOTAL											4
SEP22											4 UNCH
11500					1.34 - 0.13	.1193					4 UNCH
TOTAL											4
OCT22											4 UNCH
11500					1.37 - 0.13	.1210					4 UNCH
TOTAL											4
NOV22											3 UNCH
11500					1.58 - 0.11	.1331					3 UNCH
TOTAL											3
DEC22											

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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 BA CALL and BA PUT contracts for various months from DEC22 to FEB21.

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BA 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
MAR21												
6700	----	----	----	----	----	10.75 + 0.09	.4561	----	----	----	----	50 UNCH
TOTAL												50 UNCH
APR21												
6625	----	----	----	----	----	10.44 + 0.09	.4433	----	----	----	----	60 UNCH
TOTAL												60 UNCH
MAY21												
6625	----	----	----	----	----	10.47 + 0.10	.4452	----	----	----	----	60 UNCH
TOTAL												60 UNCH
JUN21												
6625	----	----	----	----	----	10.49 + 0.11	.4462	----	----	----	----	60 UNCH
TOTAL												60 UNCH
JUL21												
6575	----	----	----	----	----	10.26 + 0.10	.4385	----	----	----	----	50 UNCH
TOTAL												50 UNCH
AUG21												
6500	----	----	----	----	----	9.93 + 0.10	.4276	----	----	----	----	50 UNCH
TOTAL												50 UNCH
SEP21												
6500	----	----	----	----	----	9.95 + 0.10	.4290	----	----	----	----	50 UNCH
TOTAL												50 UNCH
OCT21												
6500	----	----	----	----	----	9.99 + 0.10	.4305	----	----	----	----	50 UNCH
TOTAL												50 UNCH
NOV21												
6500	----	----	----	----	----	10.05 + 0.10	.4303	----	----	----	----	60 UNCH
TOTAL												60 UNCH

9C CALL	BRENT	CRUDE OIL	1 M	CSO	FIN							
JAN19												
50	----	----	----	----	----	0.01 UNCH	.0446	----	----	----	----	3000 UNCH
65	----	----	----	----	----	0.01 UNCH	.0391	----	----	----	----	1000 UNCH
70	----	----	----	----	----	0.01 UNCH	.0376	----	----	----	----	100 UNCH
75	----	----	----	----	----	0.01 UNCH	.0362	----	----	----	----	1200 UNCH
100	----	----	----	----	----	0.01 UNCH	.0307	----	----	----	----	500 UNCH
TOTAL												5800 UNCH
FEB19												
25	----	----	----	----	----	0.03 UNCH	.1413	----	----	----	----	500 UNCH
50	----	----	----	----	----	0.01 UNCH	.0531	----	----	----	----	1500 UNCH
65	----	----	----	----	----	0.01 UNCH	.0462	----	----	----	----	1000 UNCH
75	----	----	----	----	----	0.01 UNCH	.0426	----	----	----	----	1000 UNCH
100	----	----	----	----	----	0.01 UNCH	.0359	----	----	----	----	500 UNCH
TOTAL												4500 UNCH
MAR19												
50	----	----	----	----	----	0.03 UNCH	.1147	----	----	----	----	1500 UNCH
65	----	----	----	----	----	0.02 UNCH	.0783	----	----	----	----	1000 UNCH
75	----	----	----	----	----	0.01 UNCH	.0452	----	----	----	----	1000 UNCH
100	----	----	----	----	----	0.01 UNCH	.0378	----	----	----	----	500 UNCH
TOTAL												4000 UNCH
APR19												
50	----	----	----	----	----	0.05 UNCH	.1547	----	----	----	----	1500 UNCH
65	----	----	----	----	----	0.03 UNCH	.1021	----	----	----	----	1000 UNCH
100	----	----	----	----	----	0.01 UNCH	.0383	----	----	----	----	500 UNCH
TOTAL												3000 UNCH
MAY19												
50	----	----	----	----	----	0.07 UNCH	.1926	----	----	----	----	1500 UNCH
65	----	----	----	----	----	0.05 UNCH	.1432	----	----	----	----	1000 UNCH
100	----	----	----	----	----	0.02 UNCH	.0638	----	----	----	----	500 UNCH
TOTAL												3000 UNCH
JUN19												
50	----	----	----	----	----	0.08 UNCH	.2225	----	----	----	----	1500 UNCH
65	----	----	----	----	----	0.06 UNCH	.1699	----	----	----	----	1000 UNCH
100	----	----	----	----	----	0.03 UNCH	.0883	----	----	----	----	500 UNCH
TOTAL												3000 UNCH
JUL19												
50	----	----	----	----	----	0.07 UNCH	.2280	----	----	----	----	1000 UNCH
65	----	----	----	----	----	0.06 UNCH	.1824	----	----	----	----	1000 UNCH
TOTAL												2000 UNCH
AUG19												
50	----	----	----	----	----	0.08 UNCH	.2523	----	----	----	----	1000 UNCH
65	----	----	----	----	----	0.07 UNCH	.2040	----	----	----	----	1000 UNCH
TOTAL												2000 UNCH
SEP19												
50	----	----	----	----	----	0.09 UNCH	.2615	----	----	----	----	1000 UNCH
65	----	----	----	----	----	0.08 UNCH	.2151	----	----	----	----	1000 UNCH
TOTAL												2000 UNCH
OCT19												
50	----	----	----	----	----	0.13 + 0.01 UNCH	.2988	----	----	----	----	1000 UNCH
65	----	----	----	----	----	0.11 UNCH	.2467	----	----	----	----	1000 UNCH
TOTAL												2000 UNCH
NOV19												
50	----	----	----	----	----	0.11 UNCH	.2878	----	----	----	----	1000 UNCH
65	----	----	----	----	----	0.10 + 0.01 UNCH	.2412	----	----	----	----	1000 UNCH
TOTAL												2000 UNCH
DEC19												
50	----	----	----	----	----	0.08 UNCH	.2418	----	----	----	----	1000 UNCH
65	----	----	----	----	----	0.07 UNCH	.1971	----	----	----	----	1000 UNCH
TOTAL												2000 UNCH

9C PUT	BRENT	CRUDE OIL	1 M	CSO	FIN							
APR19												
- 50	----	----	----	----	----	0.07 UNCH	.2306	----	----	----	----	500 UNCH
TOTAL												500 UNCH
OCT19												
- 50	----	----	----	----	----	0.08 UNCH	.1936	----	----	----	----	1000 UNCH
TOTAL												1000 UNCH
NOV19												
- 50	----	----	----	----	----	0.06 UNCH	.1652	----	----	----	----	1000 UNCH
TOTAL												1000 UNCH
DEC19												
- 50	----	----	----	----	----	0.04 - 0.01 UNCH	.1387	----	----	----	----	1000 UNCH
TOTAL												1000 UNCH

BZO CALL BRENT CRUDE OIL FUT MARGIN OPT

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OPEN	OPEN RANGE	HIGH/LOW	HIGH/LOW	OPEN CLOSE	OPEN CLOSE	SETT. PRICE & PT. CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
BZ0 CALL	BRENT CRUDE OIL FUT MARGIN OPT											
JAN19												
5750	9.70	9.70	10.28B/8.82A	10.28B/8.82A	----	9.34	NEW	9706	----	5	----	5 + 5
5800	9.21	9.21	10.16B/8.34A	10.16B/8.34A	----	8.85 + 0.13	9663	----	----	5	----	10 + 5
5850	----	----	9.87B/7.86A	9.87B/7.86A	----	8.36 + 0.13	9618	----	----	----	----	10 UNCH
5900	----	----	9.37B/7.39A	9.37B/7.39A	----	7.88 + 0.13	9541	----	----	----	----	5 UNCH
6300	----	----	5.52B/3.86A	5.52B/3.86A	----	4.21 + 0.06	8281	----	----	----	----	5 UNCH
6400	----	----	4.61B/3.10A	4.61B/3.10A	----	3.40 + 0.03	7640	----	----	----	----	21 UNCH
6500	----	----	3.76B/*2.41A	3.76B/*2.41A	----	2.65 UNCH	6851	----	----	----	----	200 UNCH
6600	----	----	2.97B/*1.79A	2.97B/*1.79A	----	1.99 - 0.02	5905	----	11	116	----	211 + 11
6650	----	----	2.61B/*1.51A	2.61B/*1.51A	----	1.70 - 0.03	5387	----	----	----	----	169 + 19
6700	----	----	2.26B/*1.27A	2.26B/*1.27A	----	1.43 - 0.04	4852	----	15	15	----	241 - 14
6750	----	----	1.95B/*1.06A	1.95B/*1.06A	----	1.19 - 0.04	4309	----	109	109	----	44 - 56
6800	----	----	1.66B/*0.87A	1.66B/*0.87A	----	0.97 - 0.05	3762	----	139	139	----	246 + 114
6850	0.79	0.79	1.41B/*0.71A	1.41B/*0.71A	----	0.79 - 0.05	3242	----	1	1	----	200 UNCH
6900	0.69	0.69	1.18B/*0.58A	1.18B/*0.58A	----	0.63 - 0.04	2742	----	32	32	----	264 + 32
6950	----	----	0.97B/*0.47A	0.97B/*0.47A	----	0.49 - 0.05	2267	----	----	----	----	335 UNCH
7000	----	----	0.79B/*0.37A	0.79B/*0.37A	----	0.39 - 0.03	1875	----	165	300	----	665 + 440
7050	0.40	0.40	0.64B/*0.29A	0.64B/*0.29A	----	0.30 - 0.03	1509	----	34	34	----	279 + 34
7100	0.48	0.48	0.51B/*0.23A	0.51B/*0.23A	----	0.23 - 0.03	1202	----	31	300	----	846 + 300
7150	----	----	0.40B/*0.18A	0.40B/*0.18A	----	0.18 - 0.03	0963	----	----	75	----	150 UNCH
7200	----	----	0.32B/*0.14A	0.32B/*0.14A	----	0.14 - 0.02	0765	----	330	75	----	595 + 380
7250	----	----	0.25B/*0.11A	0.25B/*0.11A	----	0.11 - 0.02	0609	----	----	----	----	249 UNCH
7300	----	----	0.19B/*0.09A	0.19B/*0.09A	----	0.08 - 0.02	0456	----	----	----	----	449 UNCH
7350	----	----	0.15B/*0.07A	0.15B/*0.07A	----	0.06 - 0.02	0348	----	----	----	----	303 UNCH
7400	----	----	0.12B/*0.06A	0.12B/*0.06A	----	0.05 - 0.02	0287	----	----	----	----	1186 UNCH
7450	0.08	0.08	0.09B/*0.05A	0.09B/*0.05A	----	0.04 - 0.02	0229	----	125	125	----	487 + 125
7500	----	----	0.07B/*0.04A	0.07B/*0.04A	----	0.03 - 0.02	0173	----	----	----	----	359 UNCH
7550	----	----	0.06B/-----	0.06B/-----	----	0.03 - 0.01	0166	----	----	----	----	122 UNCH
7600	----	----	-----/*0.03A	-----/*0.03A	----	0.02 - 0.02	0113	----	----	----	----	545 UNCH
7650	----	----	-----/*0.02A	-----/*0.02A	----	0.02 - 0.01	0109	----	----	----	----	42 UNCH
7700	----	----	-----/*0.02A	-----/*0.02A	----	0.01 - 0.02	0058	----	----	----	----	303 UNCH
7750	----	----	-----/*0.02A	-----/*0.02A	----	0.01 - 0.02	0055	----	----	----	----	208 UNCH
7800	----	----	-----	-----	----	0.01 - 0.01	0054	----	----	----	----	272 UNCH
7850	----	----	-----	-----	----	0.01 - 0.01	0052	----	----	----	----	37 UNCH
7900	----	----	-----	-----	----	0.01 - 0.01	0050	----	----	----	----	500 UNCH
7950	----	----	-----/*0.01A	-----/*0.01A	----	0.01 - 0.01	0048	----	----	----	----	42 UNCH
8000	----	----	-----/*0.01A	-----/*0.01A	----	0.01 - 0.01	0047	----	----	----	----	1075 UNCH
8050	----	----	-----/*0.01A	-----/*0.01A	----	0.01 - 0.01	0046	----	----	----	----	55 UNCH
8100	----	----	-----	-----	----	0.01 -	0044	----	----	----	----	325 UNCH
8150	----	----	-----	-----	----	0.01	0043	----	----	----	----	246 UNCH
8200	----	----	-----	-----	----	0.01	0042	----	----	----	----	429 UNCH
8250	----	----	-----	-----	----	0.01	0041	----	----	----	----	373 UNCH
8300	----	----	-----	-----	----	0.01	0040	----	----	----	----	545 UNCH
8350	----	----	-----	-----	----	0.01	0039	----	----	----	----	35 UNCH
8400	----	----	-----	-----	----	0.01	0038	----	----	----	----	718 UNCH
8450	----	----	-----	-----	----	0.01	0037	----	----	----	----	234 UNCH
8500	----	----	-----	-----	----	0.01	0037	----	----	----	----	4304 UNCH
8550	----	----	-----	-----	----	0.01	0036	----	----	----	----	66 UNCH
8600	----	----	-----	-----	----	0.01	0035	----	----	----	----	695 UNCH
8650	----	----	-----	-----	----	0.01	0034	----	----	----	----	50 UNCH
8700	----	----	-----	-----	----	0.01	0034	----	----	----	----	132 UNCH
8750	----	----	-----	-----	----	0.01	0033	----	----	----	----	196 UNCH
8800	----	----	-----	-----	----	0.01	0033	----	----	----	----	32 UNCH
8850	----	----	-----	-----	----	0.01	0032	----	----	----	----	152 UNCH
8900	----	----	-----	-----	----	0.01	0031	----	----	----	----	52 UNCH
8950	----	----	-----	-----	----	0.01	0030	----	----	----	----	2310 UNCH
9000	----	----	-----	-----	----	0.01	0030	----	----	----	----	131 UNCH
9050	----	----	-----	-----	----	0.01	0029	----	----	----	----	282 UNCH
9100	----	----	-----	-----	----	0.01	0029	----	----	----	----	50 UNCH
9150	----	----	-----	-----	----	0.01	0029	----	----	----	----	1722 UNCH
9200	----	----	-----	-----	----	0.01	0027	----	----	----	----	85 UNCH
9350	----	----	-----	-----	----	0.01	0027	----	----	----	----	722 UNCH
9400	----	----	-----	-----	----	0.01	0027	----	----	----	----	50 UNCH
9450	----	----	-----	-----	----	0.01	0026	----	----	----	----	5500 UNCH
9500	----	----	-----	-----	----	0.01	0026	----	----	----	----	2 UNCH
9550	----	----	-----	-----	----	0.01	0026	----	----	----	----	5500 UNCH
9600	----	----	-----	-----	----	0.01	0025	----	----	----	----	42 UNCH
9650	----	----	-----	-----	----	0.01	0025	----	----	----	----	6000 UNCH
9700	----	----	-----	-----	----	0.01	0024	----	----	----	----	5553 UNCH
9850	----	----	-----	-----	----	0.01	0024	----	----	----	----	58 UNCH
9950	----	----	-----	-----	----	0.01	0020	----	----	----	----	149 UNCH
10700	----	----	-----	-----	----	0.01	0019	----	----	----	----	170 UNCH
11000	----	----	-----	-----	----	0.01	0018	----	----	----	----	225 UNCH
11550	----	----	-----	-----	----	0.01	0018	----	----	----	----	150 UNCH
11600	----	----	-----	-----	----	0.01	0018	----	----	----	----	216 UNCH
11700	----	----	-----	-----	----	0.01	0017	----	----	----	----	189 UNCH
12050	----	----	-----	-----	----	0.01	0017	----	----	----	----	48425 + 1395
TOTAL										1118	675	
FEB19												
6650	----	----	4.07B/3.14A	4.07B/3.14A	----	3.32	UNCH	5504	----	----	----	40 UNCH
6700	----	----	3.77B/2.87A	3.77B/2.87A	----	3.04 - 0.01	5238	----	----	----	----	100 UNCH
6750	----	----	3.48B/2.62A	3.48B/2.62A	----	2.79	UNCH	4970	----	----	----	200 UNCH
6900	----	----	2.68B/*1.97A	2.68B/*1.97A	----	2.08 - 0.02	4148	----	----	----	----	115 UNCH
6950	1.78	1.78	2.45B/*1.78	2.45B/*1.78	----	1.88 - 0.01	3878	----	23	23	----	28 + 23
7000	1.73	1.73	2.22B/*1.60A	2.22B/*1.60A	----	1.69 - 0.01	3610	----	40	40	----	240 + 40
7050	----	----	2.01B/*1.44A	2.01B/*1.44A	----	1.51 - 0.01	3345	----	----	----	----	29 UNCH
7100	----	----	1.81B/*1.29A	1.81B/*1.29A	----	1.35	UNCH	3090	----	----	----	400 UNCH
7150	1.25	1.25	1.62B/1.15A	1.62B/1.15A	----	1.20	UNCH	2841	----	38	----	190 - 35
7200	----	----	1.45B/1.02A	1.45B/1.02A	----	1.06 - 0.01	2598	----	----	----	----	153 UNCH
7250	----	----	1.30B/0.90A	1.30B/0.90A	----	0.94	UNCH	2373	----	----	----	57 UNCH
7300	----	----	1.16B/0.79A	1.16B/0.79A	----	0.83	UNCH	2158	----	----	----	101 UNCH
7350	----	----	1.03B/0.69A	1.03B/0.69A	----	0.73	UNCH	1954	----	107	----	12 - 13
7400	----	----	0.91B/0.61A	0.91B/0.61A	----	0.64	UNCH	1763	----	----	----	30 UNCH
7450	----	----	0.80B/0.54A	0.80B/0.54A	----	0.56	UNCH	1585	----	----	----	40 UNCH
7500	----	----	0.70B/0.47A	0.70B/0.47A	----	0.49	UNCH	1422	----	----	----	340 UNCH
7550	----	----	0.62B/0.41A	0.62B/0.41A								



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PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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 CLEARER TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

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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 contracts for FEB19, MAR19, APR19, and MAY19.

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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 BZO CALL JUN19 and BRENT CRUDE OIL FUT MARGIN OPT.

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 SEP19 and BRENT CRUDE OIL FUT MARGIN OPT.

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 DEC19 and BRENT CRUDE OIL FUT MARGIN OPT.

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 JUN20 and BRENT CRUDE OIL FUT MARGIN OPT.

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 DEC20 and BRENT CRUDE OIL FUT MARGIN OPT.

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 BZO PUT JAN19 and BRENT CRUDE OIL FUT MARGIN OPT.

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ENERGY OPTIONS

Fri, Nov 16, 2018 PG63

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OS CALL BRENT CRUDE OIL OPTIONS

OS CALL MAR19 8500 UNCH 100

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ENERGY OPTIONS

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OS CALL	OPEN GLOBEX	OPEN OUTCRY	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 CRUDE OIL OPTIONS												
TOTAL												100
DEC19						3.36 - 0.04	.3130					50 UNCH
8000	----	----	----	----								50
TOTAL												
BRENT EURO STYLE OPTION												
FEB19						0.01 UNCH	.0031					500 UNCH
10000	----	----	----	----								500
TOTAL												
MAR19												
7300	----	----	----	----		1.77 + 0.02	.3061					1550 UNCH
7350	----	----	----	----		1.63 + 0.03	.2886					605 UNCH
7700	----	----	----	----		0.89 + 0.04	.1824					1000 UNCH
7900	----	----	----	----		0.62 + 0.03	.1363					1422 UNCH
8200	----	----	----	----		0.36 + 0.02	.0862					1600 UNCH
8400	----	----	----	----		0.25 UNCH	.0628					2384 UNCH
8500	----	----	----	----		0.22 + 0.01	.0555					2300 UNCH
8700	----	----	----	----		0.16 UNCH	.0415					1000 UNCH
9300	----	----	----	----		0.08 UNCH	.0210					2000 UNCH
TOTAL												13861
JUN19												
7000	----	----	----	----		4.81 - 0.04	.4768					3772 UNCH
7800	----	----	----	----		2.12 - 0.01	.2729					1197 UNCH
7900	----	----	----	----		1.89 - 0.01	.2508					1010 UNCH
TOTAL												5979
SEP19												
7800	----	----	----	----		3.21 - 0.03	.3243					1000 UNCH
8500	----	----	----	----		1.69 - 0.03	.2023					1250 UNCH
TOTAL												2250
DEC19												
7200	----	----	----	----		5.95 - 0.07	.4600					700 UNCH
7300	----	----	----	----		5.56 - 0.07	.4406					1000 UNCH
7600	----	----	----	----		4.50 - 0.06	.3836					1000 UNCH
7800	----	----	----	----		3.89 - 0.04	.3472					1450 UNCH
7900	----	----	----	----		3.61 - 0.03	.3296					1450 UNCH
8000	----	----	----	----		3.34 - 0.04	.3122					219 UNCH
8150	----	----	----	----		2.98 - 0.03	.2876					965 UNCH
8200	----	----	----	----		2.86 - 0.04	.2793					1530 UNCH
9000	----	----	----	----		1.50 - 0.03	.1709					40 UNCH
11000	----	----	----	----		0.38 - 0.01	.0521					125 UNCH
TOTAL												8479
JAN20												
7900	----	----	----	----		3.93 - 0.04	.3410					278 UNCH
8000	----	----	----	----		3.66 - 0.04	.3245					170 UNCH
TOTAL												448
BRENT EURO STYLE OPTION												
FEB19						0.12 - 0.01	.0261					995 UNCH
5000	----	----	----	----								200 UNCH
6800	----	----	----	----		3.50 - 0.15	.5304					1195
TOTAL												
MAR19												
5000	----	----	----	----		0.32 - 0.03	.0524					200 UNCH
6500	----	----	----	----		3.17 - 0.13	.3855					2000 UNCH
6600	----	----	----	----		3.58 - 0.14	.4228					650 UNCH
6800	----	----	----	----		4.51 - 0.14	.5006					2200 UNCH
6900	----	----	----	----		5.03 - 0.14	.5403					4400 UNCH
7000	----	----	----	----		5.60 - 0.13	.5799					1460 UNCH
TOTAL												10910
APR19												
5000	----	----	----	----		0.49 - 0.06	.0686					600 UNCH
6500	----	----	----	----		3.79 - 0.14	.3881					200 UNCH
6600	----	----	----	----		4.21 - 0.14	.4201					200 UNCH
6800	----	----	----	----		5.15 - 0.15	.4864					200 UNCH
TOTAL												1200
JUN19												
6000	----	----	----	----		2.99 - 0.15	.2681					5400 UNCH
6200	----	----	----	----		3.67 - 0.15	.3146					1550 UNCH
6250	----	----	----	----		3.86 - 0.14	.3267					3000 UNCH
6400	----	----	----	----		4.43 - 0.15	.3637					3500 UNCH
6700	----	----	----	----		5.73 - 0.16	.4420					1915 UNCH
6800	----	----	----	----		6.21 - 0.16	.4689					1500 UNCH
6900	----	----	----	----		6.72 - 0.16	.4960					1000 UNCH
6950	----	----	----	----		6.99 - 0.15	.5096					1347 UNCH
7000	----	----	----	----		7.26 - 0.15	.5231					2000 UNCH
7100	----	----	----	----		7.83 - 0.14	.5501					619 UNCH
TOTAL												2000 UNCH
DEC19												
6100	----	----	----	----		5.73 - 0.06	.3296					1500 UNCH
6300	----	----	----	----		6.54 - 0.07	.3659					2250 UNCH
6800	----	----	----	----		8.86 - 0.07	.4618					1000 UNCH
7000	----	----	----	----		9.91 - 0.08	.5009					1500 UNCH
TOTAL												6250
JAN20												
6150	----	----	----	----		6.16 - 0.04	.3412					3000 UNCH
6400	----	----	----	----		7.25 - 0.03	.3862					2250 UNCH
6850	----	----	----	----		9.46 - 0.03	.4701					2000 UNCH
7100	----	----	----	----		10.84 - 0.03	.5167					1500 UNCH
TOTAL												8750
CANADIAN HEAVY CRUDE OIL APO												
DEC18						0.001 UNCH	.0000					210 UNCH
-1350C	----	----	----	----								290 UNCH
-1300C	----	----	----	----		0.001 UNCH	.0000					500
TOTAL												
CANADIAN HEAVY CRUDE OIL APO												
DEC18						27.433 UNCH	.9998					170 UNCH
-1550C	----	----	----	----								170
TOTAL												
CANADIAN HEAVY CRUDE OIL APO												
JAN19						0.662 - 0.026	.2252					130 UNCH
-4000C	----	----	----	----								130
TOTAL												
CANADIAN HEAVY CRUDE OIL APO												
FEB19						0.510 - 0.012	.1293					130 UNCH
-4000C	----	----	----	----								130
TOTAL												
CANADIAN HEAVY CRUDE OIL APO												
MAR19						0.407 - 0.008	.0928					130 UNCH
-4000C	----	----	----	----								130
TOTAL												



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PRELIMINARY

PG63 BULLETIN #223@ ENERGY OPTIONS Fri, Nov 16, 2018 PG63

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PRICE INDICATOR KEY

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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
CVR CALL CHICAGO ETHANOL(PLATTS) APO											
NOV18											
12500	----	----	----	----	0.0070 - 0.0020	.5739	----	----	----	----	50 UNCH
13000	----	----	----	----	0.0001 UNCH	.0116	----	----	----	----	210 UNCH
13500	----	----	----	----	0.0001 UNCH	.0065	----	----	----	----	410 UNCH
14000	----	----	----	----	0.0001 UNCH	.0047	----	----	----	----	25 UNCH
14500	----	----	----	----	0.0001 UNCH	.0037	----	----	----	----	50 UNCH
15000	----	----	----	----	0.0001 UNCH	.0031	----	----	----	----	15 UNCH
15500	----	----	----	----	0.0001 UNCH	.0027	----	----	----	----	130 UNCH
16000	----	----	----	----	0.0001 UNCH	.0024	----	----	----	----	5 UNCH
16500	----	----	----	----	0.0001 UNCH	.0021	----	----	----	----	150 UNCH
TOTAL 1045											
DEC18											
12500	----	----	----	----	0.0331 - 0.0020	.5682	----	----	----	----	20 UNCH
13000	----	----	----	----	0.0126 - 0.0012	.2931	----	----	----	----	50 UNCH
13500	----	----	----	----	0.0039 - 0.0005	.1129	----	----	----	10	260 - 10
14000	----	----	----	----	0.0012 - 0.0002	.0389	----	----	----	----	295 UNCH
14500	----	----	----	----	0.0003 - 0.0001	.0108	----	----	----	----	20 UNCH
15000	----	----	----	----	0.0001 UNCH	.0036	----	----	----	----	15 UNCH
15500	----	----	----	----	0.0001 UNCH	.0032	----	----	----	----	55 UNCH
16000	----	----	----	----	0.0001 UNCH	.0028	----	----	----	----	5 UNCH
16500	----	----	----	----	0.0001 UNCH	.0025	----	----	----	----	60 UNCH
TOTAL 780 - 10											
JAN19											
13500	----	----	----	----	0.0156 + 0.0003	.2587	----	----	----	----	100 UNCH
14000	----	----	----	----	0.0075 + 0.0004	.1418	----	----	----	----	75 UNCH
14500	----	----	----	----	0.0034 + 0.0002	.0716	----	----	----	----	149 UNCH
15000	----	----	----	----	0.0015 + 0.0001	.0343	----	----	----	----	45 UNCH
TOTAL 369											
FEB19											
13500	----	----	----	----	0.0318 - 0.0012	.3950	----	----	----	----	25 UNCH
14000	----	----	----	----	0.0179 - 0.0008	.2558	----	----	----	----	45 UNCH
14500	----	----	----	----	0.0096 - 0.0005	.1541	----	----	----	----	74 UNCH
15000	----	----	----	----	0.0049 - 0.0003	.0870	----	----	----	----	45 UNCH
TOTAL 189											
MAR19											
13500	----	----	----	----	0.0465 - 0.0026	.4750	----	----	----	----	25 UNCH
14000	----	----	----	----	0.0285 - 0.0019	.3355	----	----	----	----	25 UNCH
14500	----	----	----	----	0.0167 - 0.0013	.2217	----	----	----	----	54 UNCH
15000	----	----	----	----	0.0095 - 0.0008	.1391	----	----	----	----	45 UNCH
TOTAL 149											
APR19											
15000	----	----	----	----	0.0159 - 0.0016	.1962	----	----	----	----	24 UNCH
TOTAL 24											
MAY19											
15000	----	----	----	----	0.0223 - 0.0026	.2402	----	----	----	----	24 UNCH
TOTAL 24											
JUN19											
15000	----	----	----	----	0.0297 - 0.0037	.2802	----	----	----	----	24 UNCH
TOTAL 24											
OCT19											
15000	----	----	----	----	0.0457 - 0.0043	.3415	----	----	----	----	20 UNCH
TOTAL 20											
NOV19											
15000	----	----	----	----	0.0493 - 0.0044	.3505	----	----	----	----	20 UNCH
TOTAL 20											
DEC19											
15000	----	----	----	----	0.0525 - 0.0045	.3580	----	----	----	----	20 UNCH
TOTAL 20											
CVR PUT CHICAGO ETHANOL(PLATTS) APO											
NOV18											
12000	----	----	----	----	0.0001 UNCH	.0102	----	----	----	----	115 UNCH
12500	----	----	----	----	0.0045 + 0.0005	.4260	----	----	----	----	135 UNCH
13000	----	----	----	----	0.0475 + 0.0025	.9883	----	----	----	----	122 UNCH
13500	----	----	----	----	0.0974 + 0.0025	.9934	----	----	----	----	125 UNCH
14000	----	----	----	----	0.1474 + 0.0025	.9952	----	----	----	----	50 UNCH
14500	----	----	----	----	0.1973 + 0.0025	.9962	----	----	----	----	20 UNCH
15000	----	----	----	----	0.2473 + 0.0025	.9968	----	----	----	----	15 UNCH
TOTAL 582											
DEC18											
11500	----	----	----	----	0.0018 UNCH	.0542	----	----	----	10	100 - 10
12000	----	----	----	----	0.0077 + 0.0001	.1868	----	----	----	----	420 UNCH
12500	----	----	----	----	0.0232 + 0.0005	.4317	----	----	----	----	145 UNCH
13000	----	----	----	----	0.0525 + 0.0013	.7068	----	----	----	----	152 UNCH
13500	----	----	----	----	0.0936 + 0.0019	.8870	----	----	----	----	150 UNCH
14000	----	----	----	----	0.1408 + 0.0023	.9610	----	----	----	----	50 UNCH
14500	----	----	----	----	0.1898 + 0.0025	.9891	----	----	----	----	20 UNCH
15000	----	----	----	----	0.2394 + 0.0025	.9963	----	----	----	----	15 UNCH
TOTAL 1052 - 10											
JAN19											
11500	----	----	----	----	0.0063 UNCH	.1089	----	----	----	----	125 UNCH
12000	----	----	----	----	0.0131 + 0.0010	.2099	----	----	----	----	40 UNCH
12500	----	----	----	----	0.0278 + 0.0020	.3763	----	----	----	----	185 UNCH
13000	----	----	----	----	0.0531 + 0.0026	.5717	----	----	----	----	40 UNCH
13500	----	----	----	----	0.0878 + 0.0028	.7412	----	----	----	----	54 UNCH
TOTAL 444											
FEB19											
11500	----	----	----	----	0.0055 UNCH	.0857	----	----	----	----	110 UNCH
12000	----	----	----	----	0.0111 + 0.0002	.1602	----	----	----	----	60 UNCH
12500	----	----	----	----	0.0221 + 0.0004	.2809	----	----	----	----	185 UNCH
13000	----	----	----	----	0.0412 + 0.0008	.4399	----	----	----	----	40 UNCH
13500	----	----	----	----	0.0690 + 0.0012	.6049	----	----	----	----	54 UNCH
TOTAL 449											
MAR19											
12000	----	----	----	----	0.0087 + 0.0005	.1261	----	----	----	----	25 UNCH
12500	----	----	----	----	0.0189 + 0.0010	.2339	----	----	----	----	185 UNCH
13000	----	----	----	----	0.0365 + 0.0016	.3749	----	----	----	----	20 UNCH
13500	----	----	----	----	0.0614 + 0.0024	.5249	----	----	----	----	54 UNCH
TOTAL 284											
APR19											
13000	----	----	----	----	0.0338 + 0.0024	.3300	----	----	----	----	24 UNCH
14000	----	----	----	----	0.0855 + 0.0042	.5965	----	----	----	----	24 UNCH
TOTAL 48											
MAY19											
13000	----	----	----	----	0.0332 + 0.0031	.3086	----	----	----	----	24 UNCH
14000	----	----	----	----	0.0831 + 0.0052	.5554	----	----	----	----	24 UNCH
TOTAL 48											
JUN19											
13000	----	----	----	----	0.0347 + 0.0039	.2982	----	----	----	----	24 UNCH
14000	----	----	----	----	0.0838 + 0.0061	.5240	----	----	----	----	24 UNCH
TOTAL 48											



PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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 CVR PUT, CQA CALL, CQA PUT, CLA CALL, CLA PUT, MTO CALL, MTO PUT, MFO CALL, MFO PUT, RLA PUT.



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PRELIMINARY

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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, JAN19, FEB19, MAR19 with various contract months and prices.



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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 CRUDE OIL APO OPTIONS for MAR19, APR19, and MAY19.



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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 MAY19, CRUDE OIL APO OPTIONS, JUN19, JUL19, AUG19.



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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 AUG19, CRUDE OIL APO OPTIONS, SEP19, and OCT19.

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PRELIMINARY



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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 OCT20 to OCT21 with various contract specifications and data points.

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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 and AO PUT for various months (OCT21, NOV21, DEC21, JAN22, FEB22, MAR22, APR22, MAY22, JUN22, JUL22, AUG22, SEP22, OCT22, NOV22, DEC22, JAN23, FEB23, MAR23, APR23, MAY23, JUN23, JUL23, AUG23, SEP23, OCT23, NOV18) and contract specifications (7500, 9500, 10000, 11000).

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.



PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 2018 PG63

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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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	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	
CRUDE OIL APO OPTIONS													
AO PUT SEP19													
4750	----	----	----	----	----	3.08 UNCH	.2256	----	----	----	----	100	UNCH
4800	----	----	----	----	----	3.23 UNCH	.2345	----	----	----	----	125	UNCH
4810	----	----	----	----	----	3.26 UNCH	.2363	----	----	----	----	30	UNCH
5000	----	----	----	----	----	3.86 UNCH	.2715	----	----	----	----	1803	UNCH
5100	----	----	----	----	----	4.19 - 0.01	.2908	----	----	----	----	36	UNCH
5200	----	----	----	----	----	4.54 - 0.01	.3107	----	----	----	----	310	UNCH
5300	----	----	----	----	----	4.91 - 0.01	.3312	----	----	----	----	115	UNCH
5400	----	----	----	----	----	5.30 - 0.01	.3523	----	----	----	----	40	UNCH
5500	----	----	----	----	----	5.70 - 0.01	.3740	----	----	----	----	1924	UNCH
5575	----	----	----	----	----	6.02 - 0.01	.3906	----	----	----	----	45	UNCH
5600	----	----	----	----	----	6.12 - 0.01	.3962	----	----	----	----	40	UNCH
5700	----	----	----	----	----	6.56 - 0.01	.4188	----	----	----	----	25	UNCH
5750	----	----	----	----	----	7.76 - 0.01	.4769	----	----	----	----	45	UNCH
5950	----	----	----	----	----	8.01 - 0.01	.4886	----	----	----	----	2472	UNCH
6200	----	----	----	----	----	9.08 - 0.01	.5359	----	----	----	----	53	UNCH
6300	----	----	----	----	----	9.66 UNCH	.5592	----	----	----	----	30	UNCH
6500	----	----	----	----	----	10.86 - 0.01	.6059	----	----	----	----	352	UNCH
6800	----	----	----	----	----	12.84 - 0.01	.6728	----	----	----	----	30	UNCH
7000	----	----	----	----	----	14.27 UNCH	.7147	----	----	----	----	2	UNCH
7100	----	----	----	----	----	15.01 UNCH	.7349	----	----	----	----	25	UNCH
8640	----	----	----	----	----	28.34 + 0.04	.9224	----	----	----	----	30	UNCH
8750	----	----	----	----	----	29.37 + 0.04	.9294	----	----	----	----	30	UNCH
TOTAL												9715	
OCT19													
3000	----	----	----	----	----	0.33 UNCH	.0313	----	----	----	----	1	UNCH
3500	----	----	----	----	----	0.74 - 0.01	.0649	----	----	----	----	90	UNCH
3750	----	----	----	----	----	1.06 UNCH	.0888	----	----	----	----	150	UNCH
3800	----	----	----	----	----	1.13 - 0.01	.0939	----	----	----	----	5	UNCH
4000	----	----	----	----	----	1.47 UNCH	.1174	----	----	----	----	650	UNCH
4100	----	----	----	----	----	1.66 UNCH	.1301	----	----	----	----	9	UNCH
4300	----	----	----	----	----	2.09 + 0.01	.1578	----	----	----	----	15	UNCH
4400	----	----	----	----	----	2.32 UNCH	.1724	----	----	----	----	45	UNCH
4500	----	----	----	----	----	2.58 + 0.01	.1880	----	----	----	----	1287	UNCH
4600	----	----	----	----	----	2.84 UNCH	.2038	----	----	----	----	30	UNCH
4700	----	----	----	----	----	3.13 UNCH	.2206	----	----	----	----	62	UNCH
4750	----	----	----	----	----	3.28 UNCH	.2292	----	----	----	----	100	UNCH
4800	----	----	----	----	----	3.43 UNCH	.2378	----	----	----	----	125	UNCH
4810	----	----	----	----	----	3.46 UNCH	.2396	----	----	----	----	31	UNCH
5000	----	----	----	----	----	4.07 UNCH	.2738	----	----	----	----	1828	UNCH
5100	----	----	----	----	----	4.41 - 0.01	.2926	----	----	----	----	36	UNCH
5200	----	----	----	----	----	4.77 - 0.01	.3120	----	----	----	----	310	UNCH
5300	----	----	----	----	----	5.14 - 0.01	.3319	----	----	----	----	116	UNCH
5400	----	----	----	----	----	5.53 - 0.01	.3523	----	----	----	----	40	UNCH
5500	----	----	----	----	----	5.94 - 0.01	.3732	----	----	----	----	2328	UNCH
5515	----	----	----	----	----	6.00 - 0.01	.3764	----	----	----	----	170	UNCH
5575	----	----	----	----	----	6.25 - 0.01	.3892	----	----	----	----	45	UNCH
5700	----	----	----	----	----	6.80 - 0.01	.4165	----	----	----	----	25	UNCH
5750	----	----	----	----	----	7.03 - 0.01	.4276	----	----	----	----	13	UNCH
5950	----	----	----	----	----	7.99 - 0.01	.4724	----	----	----	----	45	UNCH
6000	----	----	----	----	----	8.25 - 0.01	.4837	----	----	----	----	2351	UNCH
6200	----	----	----	----	----	9.31 - 0.01	.5292	----	----	----	----	53	UNCH
6300	----	----	----	----	----	9.88 UNCH	.5519	----	----	----	----	30	UNCH
6500	----	----	----	----	----	11.07 - 0.01	.5969	----	----	----	----	352	UNCH
6800	----	----	----	----	----	13.02 UNCH	.6623	----	----	----	----	30	UNCH
7000	----	----	----	----	----	14.42 - 0.01	.7031	----	----	----	----	25	UNCH
7100	----	----	----	----	----	15.16 UNCH	.7229	----	----	----	----	2	UNCH
8640	----	----	----	----	----	28.32 + 0.05	.9137	----	----	----	----	31	UNCH
8750	----	----	----	----	----	29.34 + 0.05	.9204	----	----	----	----	31	UNCH
TOTAL												10461	
NOV19													
3000	----	----	----	----	----	0.37 - 0.01	.0339	----	----	----	----	1	UNCH
3500	----	----	----	----	----	0.82 - 0.01	.0690	----	----	----	----	90	UNCH
3750	----	----	----	----	----	1.16 - 0.01	.0933	----	----	----	----	150	UNCH
3800	----	----	----	----	----	1.24 - 0.01	.0987	----	----	----	----	5	UNCH
4000	----	----	----	----	----	1.60 UNCH	.1224	----	----	----	----	650	UNCH
4100	----	----	----	----	----	1.79 - 0.01	.1348	----	----	----	----	9	UNCH
4300	----	----	----	----	----	2.23 UNCH	.1621	----	----	----	----	15	UNCH
4400	----	----	----	----	----	2.48 UNCH	.1768	----	----	----	----	45	UNCH
4500	----	----	----	----	----	2.73 UNCH	.1918	----	----	----	----	1283	UNCH
4600	----	----	----	----	----	3.01 UNCH	.2077	----	----	----	----	30	UNCH
4700	----	----	----	----	----	3.29 - 0.01	.2238	----	----	----	----	60	UNCH
4750	----	----	----	----	----	3.44 - 0.01	.2322	----	----	----	----	100	UNCH
4800	----	----	----	----	----	3.60 UNCH	.2408	----	----	----	----	125	UNCH
4810	----	----	----	----	----	3.63 UNCH	.2425	----	----	----	----	30	UNCH
5000	----	----	----	----	----	4.24 - 0.01	.2759	----	----	----	----	1828	UNCH
5100	----	----	----	----	----	4.59 - 0.01	.2944	----	----	----	----	35	UNCH
5200	----	----	----	----	----	4.95 - 0.02	.3133	----	----	----	----	310	UNCH
5300	----	----	----	----	----	5.33 - 0.02	.3327	----	----	----	----	115	UNCH
5400	----	----	----	----	----	5.72 - 0.02	.3526	----	----	----	----	40	UNCH
5500	----	----	----	----	----	6.13 - 0.02	.3729	----	----	----	----	2318	UNCH
5515	----	----	----	----	----	6.19 - 0.03	.3760	----	----	----	----	170	UNCH
5575	----	----	----	----	----	6.45 - 0.02	.3885	----	----	----	----	45	UNCH
5700	----	----	----	----	----	7.00 - 0.03	.4150	----	----	----	----	25	UNCH
5750	----	----	----	----	----	7.23 - 0.03	.4258	----	----	----	----	13	UNCH
6000	----	----	----	----	----	8.45 - 0.02	.4803	----	----	----	----	2351	UNCH
6200	----	----	----	----	----	9.51 - 0.01	.5242	----	----	----	----	53	UNCH
6300	----	----	----	----	----	10.07 - 0.01	.5461	----	----	----	----	30	UNCH
6500	----	----	----	----	----	11.25 - 0.01	.5900	----	----	----	----	352	UNCH
6800	----	----	----	----	----	13.17 - 0.02	.6540	----	----	----	----	30	UNCH
7000	----	----	----	----	----	14.56 - 0.01	.6943	----	----	----	----	25	UNCH
7100	----	----	----	----	----	15.28 - 0.01	.7135	----	----	----	----	2	UNCH
8640	----	----	----	----	----	28.32 + 0.06	.9061	----	----	----	----	30	UNCH
8750	----	----	----	----	----	29.33 + 0.06	.9127	----	----	----	----	30	UNCH
TOTAL												10395	
DEC19													
3000	----	----	----	----	----	0.41 UNCH	.0364	----	----	----	----	1	UNCH
3500	----	----	----	----	----	0.89 + 0.01	.0725	----	----	----	----	90	UNCH
3750	----	----	----	----	----	1.25 + 0.01	.0971	----	----	----	----	150	UNCH
3800	----	----	----	----	----	1.33 + 0.01	.1025	----	----	----	----	5	UNCH
4000	----	----	----	----	----	1.69 + 0.01	.1258	----	----	----	----	650	UNCH
4100	----	----	----	----	----	1.89 + 0.01	.1383	----	----	----	----	9	UNCH
4300	----	----	----	----	----	2.34 + 0.02	.1655	----	----	----	----	15	UNCH
4400	----	----	----	----	----	2.58 + 0.01	.1798	----	----	----	----	45	UNCH
4500	----	----											



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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 contract months (AO PUT DEC19, JAN20, FEB20, MAR20, APR20, MAY20, JUN20) and various strike prices (e.g., 7100, 8640, 8750).



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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
CRUDE OIL APO OPTIONS														
A0 PUT														
JUN21														
4000	----			----				3.06 + 0.11	.1640	----	----	----	----	61 UNCH
4500	----			----				4.55 + 0.14	.2285	----	----	----	----	1 UNCH
5000	----			----				6.33 + 0.17	.3013	----	----	----	----	190 UNCH
5100	----			----				6.72 + 0.17	.3168	----	----	----	----	2 UNCH
TOTAL														254
JUL21														
4000	----			----				3.13 + 0.10	.1654	----	----	----	----	2 UNCH
4500	----			----				4.63 + 0.13	.2296	----	----	----	----	1 UNCH
5000	----			----				6.43 + 0.17	.3019	----	----	----	----	130 UNCH
5100	----			----				6.82 + 0.17	.3173	----	----	----	----	2 UNCH
TOTAL														135
AUG21														
4000	----			----				3.21 + 0.10	.1670	----	----	----	----	2 UNCH
4500	----			----				4.72 + 0.13	.2308	----	----	----	----	1 UNCH
5000	----			----				6.53 + 0.17	.3026	----	----	----	----	129 UNCH
5100	----			----				6.93 + 0.18	.3178	----	----	----	----	2 UNCH
TOTAL														134
SEP21														
4000	----			----				3.28 + 0.10	.1682	----	----	----	----	2 UNCH
4500	----			----				4.80 + 0.13	.2316	----	----	----	----	1 UNCH
5000	----			----				6.62 + 0.16	.3029	----	----	----	----	129 UNCH
5100	----			----				7.02 + 0.17	.3180	----	----	----	----	2 UNCH
TOTAL														134
OCT21														
4000	----			----				3.35 + 0.10	.1694	----	----	----	----	2 UNCH
4500	----			----				4.89 + 0.14	.2325	----	----	----	----	1 UNCH
5000	----			----				6.72 + 0.17	.3032	----	----	----	----	129 UNCH
5100	----			----				7.11 + 0.17	.3182	----	----	----	----	2 UNCH
TOTAL														134
NOV21														
4000	----			----				3.42 + 0.10	.1706	----	----	----	----	2 UNCH
4500	----			----				4.97 + 0.14	.2333	----	----	----	----	1 UNCH
5000	----			----				6.79 + 0.16	.3035	----	----	----	----	129 UNCH
5100	----			----				7.19 + 0.17	.3184	----	----	----	----	2 UNCH
TOTAL														134
DEC21														
4000	----			----				3.53 + 0.11	.1727	----	----	----	----	2 UNCH
4500	----			----				5.08 + 0.14	.2349	----	----	----	----	1 UNCH
5000	----			----				6.89 + 0.17	.3045	----	----	----	----	129 UNCH
5100	----			----				7.28 + 0.17	.3193	----	----	----	----	2 UNCH
TOTAL														134
JAN22														
5100	----			----				7.39 + 0.17	.3201	----	----	----	----	2 UNCH
TOTAL														2
FEB22														
5100	----			----				7.48 + 0.17	.3206	----	----	----	----	2 UNCH
TOTAL														2
MAR22														
5100	----			----				7.57 + 0.17	.3211	----	----	----	----	2 UNCH
TOTAL														2
APR22														
5100	----			----				7.67 + 0.17	.3215	----	----	----	----	2 UNCH
TOTAL														2
MAY22														
5100	----			----				7.75 + 0.17	.3217	----	----	----	----	2 UNCH
TOTAL														2
JUN22														
5100	----			----				7.84 + 0.17	.3221	----	----	----	----	2 UNCH
TOTAL														2
JUL22														
5100	----			----				7.93 + 0.17	.3224	----	----	----	----	2 UNCH
TOTAL														2
AUG22														
5100	----			----				8.00 + 0.17	.3225	----	----	----	----	2 UNCH
TOTAL														2
SEP22														
5100	----			----				8.09 + 0.18	.3225	----	----	----	----	2 UNCH
TOTAL														2
OCT22														
5100	----			----				8.16 + 0.17	.3224	----	----	----	----	2 UNCH
TOTAL														2
NOV22														
5100	----			----				8.23 + 0.18	.3225	----	----	----	----	2 UNCH
TOTAL														2
DEC22														
5100	----			----				8.30 + 0.17	.3233	----	----	----	----	2 UNCH
TOTAL														2
JAN23														
5100	----			----				8.38 + 0.18	.3240	----	----	----	----	2 UNCH
TOTAL														2
FEB23														
5100	----			----				8.44 + 0.18	.3244	----	----	----	----	2 UNCH
TOTAL														2
MAR23														
5100	----			----				8.50 + 0.17	.3248	----	----	----	----	2 UNCH
TOTAL														2
APR23														
5100	----			----				8.57 + 0.18	.3252	----	----	----	----	1 UNCH
TOTAL														1
MAY23														
5100	----			----				8.62 + 0.17	.3255	----	----	----	----	1 UNCH
TOTAL														1
JUN23														
5100	----			----				8.69 + 0.18	.3259	----	----	----	----	1 UNCH
TOTAL														1
JUL23														
5100	----			----				8.75 + 0.18	.3263	----	----	----	----	1 UNCH
TOTAL														1
AUG23														
5100	----			----				8.81 + 0.18	.3265	----	----	----	----	1 UNCH
TOTAL														1
SEP23														
5100	----			----				8.86 + 0.18	.3265	----	----	----	----	1 UNCH



PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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 AO PUT, 6F PUT, L01 CALL, L01 PUT, L03 CALL, and L03 PUT, each listing various contract months and their corresponding prices and volumes.



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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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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 LO5 PUT, AH CALL, DAP OFF, and LB CALL.

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20 South Wacker Drive, Chicago, Illinois 60606-7499.
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GLOBAL OPEN	OPEN RANGE	OUTCRY	GLOBEX HIGH/LOW	OPEN HIGH/LOW	OUTCRY RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
LB CALL EURO HEATING OIL												
TOTAL 102												
JAN19												
21500	----	----	----	----	----	0.0453 - 0.0059	.3549	----	----	----	----	45 UNCH
23100	----	----	----	----	----	0.0132 - 0.0032	.1326	----	----	----	----	2 UNCH
23500	----	----	----	----	----	0.0096 - 0.0024	.1005	----	----	----	----	45 UNCH
TOTAL 92												
FEB19												
21500	----	----	----	----	----	0.0666 - 0.0043	.3877	----	----	----	----	45 UNCH
23100	----	----	----	----	----	0.0268 - 0.0030	.1949	----	----	----	----	2 UNCH
23500	----	----	----	----	----	0.0211 - 0.0025	.1603	----	----	----	----	45 UNCH
TOTAL 92												
MAR19												
21500	----	----	----	----	----	0.0804 - 0.0049	.4002	----	----	----	----	45 UNCH
23100	----	----	----	----	----	0.0362 - 0.0046	.2240	----	----	----	----	2 UNCH
23500	----	----	----	----	----	0.0290 - 0.0047	.1886	----	----	----	----	45 UNCH
TOTAL 92												
APR19												
23100	----	----	----	----	----	0.0423 - 0.0049	.2358	----	----	----	----	1 UNCH
TOTAL 1												
OCT19												
26000	----	----	----	----	----	0.0682 - 0.0011	.2347	----	----	----	----	3 UNCH
TOTAL 3												
NOV19												
26000	----	----	----	----	----	0.0658 - 0.0013	.2316	----	----	----	----	3 UNCH
TOTAL 3												
DEC19												
26000	----	----	----	----	----	0.0578 - 0.0249	.2178	----	----	----	----	3 UNCH
TOTAL 3												
JAN20												
26000	----	----	----	----	----	0.0740 - 0.0017	.2478	----	----	----	----	3 UNCH
TOTAL 3												
FEB20												
26000	----	----	----	----	----	0.0766 - 0.0017	.2518	----	----	----	----	3 UNCH
TOTAL 3												
MAR20												
26000	----	----	----	----	----	0.0778 - 0.0019	.2530	----	----	----	----	3 UNCH
TOTAL 3												
APR20												
26000	----	----	----	----	----	0.0774 - 0.0023	.2506	----	----	----	----	3 UNCH
TOTAL 3												
MAY20												
26000	----	----	----	----	----	0.0797 - 0.0023	.2536	----	----	----	----	3 UNCH
TOTAL 3												
LB PUT EURO HEATING OIL												
DEC18												
20600	----	----	----	----	----	0.0360 - 0.0025	.4368	----	----	----	----	1 UNCH
21000	----	----	----	----	----	0.0565 - 0.0024	.5934	----	----	----	----	2 UNCH
21200	----	----	----	----	----	0.0691 - 0.0022	.6685	----	----	----	----	2 UNCH
22100	----	----	----	----	----	0.1412 - 0.0008	.9073	----	----	----	----	2 UNCH
TOTAL 7												
JAN19												
18000	----	----	----	----	----	0.0110 - 0.0018	.0945	----	----	----	----	45 UNCH
20600	----	----	----	----	----	0.0781 - 0.0039	.4668	----	----	----	----	4 UNCH
21000	----	----	----	----	----	0.0983 - 0.0049	.5468	----	----	----	----	2 UNCH
21200	----	----	----	----	----	0.1096 - 0.0054	.5869	----	----	----	----	2 UNCH
22100	----	----	----	----	----	0.1714 - 0.0054	.7492	----	----	----	----	2 UNCH
TOTAL 55												
FEB19												
18000	----	----	----	----	----	0.0265 - 0.0022	.1574	----	----	----	----	45 UNCH
20600	----	----	----	----	----	0.1077 - 0.0035	.4779	----	----	----	----	3 UNCH
21000	----	----	----	----	----	0.1289 - 0.0035	.5383	----	----	----	----	2 UNCH
21200	----	----	----	----	----	0.1404 - 0.0035	.5683	----	----	----	----	2 UNCH
22100	----	----	----	----	----	0.1991 - 0.0040	.6969	----	----	----	----	2 UNCH
TOTAL 54												
MAR19												
18000	----	----	----	----	----	0.0380 - 0.0021	.1900	----	----	----	----	45 UNCH
21000	----	----	----	----	----	0.1517 - 0.0034	.5368	----	----	----	----	2 UNCH
21200	----	----	----	----	----	0.1633 - 0.0034	.5625	----	----	----	----	2 UNCH
22100	----	----	----	----	----	0.2212 - 0.0036	.6738	----	----	----	----	2 UNCH
TOTAL 51												
APR19												
21000	----	----	----	----	----	0.1751 - 0.0012	.5432	----	----	----	----	2 UNCH
21200	----	----	----	----	----	0.1863 - 0.0018	.5666	----	----	----	----	2 UNCH
22100	----	----	----	----	----	0.2397 - 0.0064	.6754	----	----	----	----	1 UNCH
TOTAL 5												
GVR CALL GULF COAST JET FUEL(PLATTS)APO												
NOV18												
15000	----	----	----	----	----	0.5130 - 0.0013	1.0000	----	----	----	----	15 UNCH
17500	----	----	----	----	----	0.2633 - 0.0012	.9975	----	----	----	----	26 UNCH
18200	----	----	----	----	----	0.1933 - 0.0013	.9937	----	----	----	----	10 UNCH
20000	----	----	----	----	----	0.0210 - 0.0026	.6658	----	----	----	----	150 UNCH
20400	----	----	----	----	----	0.0041 - 0.0019	.2107	----	----	----	----	50 UNCH
21000	----	----	----	----	----	0.0001 - 0.0001	.0071	----	----	----	----	55 UNCH
TOTAL 306												
DEC18												
15000	----	----	----	----	----	0.4556 + 0.0024	.9998	----	----	----	----	15 UNCH
17500	----	----	----	----	----	0.2109 + 0.0019	.9343	----	----	----	----	26 UNCH
18200	----	----	----	----	----	0.1498 + 0.0013	.8425	----	----	----	----	10 UNCH
20000	----	----	----	----	----	0.0413 - 0.0001	.4014	----	----	----	----	150 UNCH
20400	----	----	----	----	----	0.0283 - 0.0002	.3048	----	----	----	----	50 UNCH
21000	----	----	----	----	----	0.0150 - 0.0003	.1860	----	----	----	----	55 UNCH
TOTAL 306												
JAN19												
20500	----	----	----	----	----	0.0531 - 0.0009	.3745	----	----	----	----	10 UNCH
20800	----	----	----	----	----	0.0438 - 0.0008	.3255	----	----	----	----	10 UNCH
21200	----	----	----	----	----	0.0334 - 0.0008	.2655	----	----	----	----	50 UNCH
21600	----	----	----	----	----	0.0252 - 0.0006	.2130	----	----	----	----	50 UNCH
TOTAL 120												
FEB19												
20500	----	----	----	----	----	0.0710 - 0.0011	.4052	----	----	----	----	10 UNCH
20800	----	----	----	----	----	0.0610 - 0.0011	.3636	----	----	----	----	10 UNCH
21200	----	----	----	----	----	0.0494 - 0.0010	.3114	----	----	----	----	50 UNCH
21600	----	----	----	----	----	0.0397 - 0.0009	.2638	----	----	----	----	50 UNCH
TOTAL 120												
MAR19												
20500	----	----	----	----	----	0.0835 - 0.0013	.4169	----	----	----	----	10 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 GVR CALL, GVR PUT, and AT CALL for various months and prices.

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PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 2018 PG63

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ENERGY OPTIONS

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PRELIMINARY

PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 2018 PG63

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CONTRACT	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT. PRICE	DELTA	EXER	OPEN	GLOBEX	PNT	OPEN
			HIGH/LOW			& PT. CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
				HIGH/LOW	CLOSE				VOLUME			
E7 CALL												
HENRY HUB FINANCIAL LAST DAY 0												
TOTAL											6	281 + 6
FEB19												
300	----	----	----	----	----	1.2384 + 0.2285	.8776	----	----	----	----	5 UNCH
310	----	----	----	----	----	1.1678 + 0.2253	.8546	----	----	----	----	1 UNCH
325	----	----	----	----	----	1.0704 + 0.2199	.8133	----	----	----	----	40 UNCH
345	----	----	----	----	----	0.9553 + 0.2102	.7573	----	----	----	----	2 UNCH
350	----	----	----	----	----	0.9291 + 0.2077	.7433	----	----	----	----	41 UNCH
355	----	----	----	----	----	0.9040 + 0.2053	.7295	----	----	----	----	100 UNCH
375	----	----	----	----	----	0.8125 + 0.1944	.6759	----	----	----	----	39 UNCH
400	----	----	----	----	----	0.7167 + 0.1819	.6137	----	----	----	----	18 UNCH
415	----	----	----	----	----	0.6671 + 0.1745	.5795	----	----	----	----	10 UNCH
450	----	----	----	----	----	0.5698	NEW	.5083	----	----	3	3 + 3
TOTAL											3	259 + 3
MAR19												
300	----	----	----	----	----	1.0544 + 0.2308	.8043	----	----	----	----	5 UNCH
325	----	----	----	----	----	0.9247 + 0.2173	.7367	----	----	----	----	57 UNCH
345	----	----	----	----	----	0.8395 + 0.2071	.6845	----	----	----	----	2 UNCH
350	----	----	----	----	----	0.8202 + 0.2046	.6721	----	----	----	----	48 UNCH
355	----	----	----	----	----	0.8017 + 0.2021	.6600	----	----	----	----	100 UNCH
375	----	----	----	----	----	0.7348 + 0.1933	.6144	----	----	----	----	38 UNCH
400	----	----	----	----	----	0.6630 + 0.1821	.5633	----	----	----	----	21 UNCH
415	----	----	----	----	----	0.6253 + 0.1767	.5357	----	----	----	----	8 UNCH
450	----	----	----	----	----	0.5483	NEW	.4781	----	----	9	9 + 9
TOTAL											9	288 + 9
APR19												
275	----	----	----	----	----	0.2312 + 0.0247	.5700	----	----	----	----	26 UNCH
300	----	----	----	----	----	0.1398 + 0.0220	.3954	----	----	----	6	35 UNCH
325	----	----	----	----	----	0.0859 + 0.0137	.2653	----	----	----	----	9 UNCH
TOTAL											6	70
MAY19												
275	----	----	----	----	----	0.1539 + 0.0099	.4664	----	----	----	----	42 UNCH
300	----	----	----	----	----	0.0803 + 0.0093	.2877	----	----	----	4	37 + 1
325	----	----	----	----	----	0.0422 + 0.0072	.1686	----	----	----	----	12 UNCH
TOTAL											4	91 + 1
JUN19												
275	----	----	----	----	----	0.1687 + 0.0162	.4887	----	----	----	----	47 UNCH
300	----	----	----	----	----	0.0837 + 0.0115	.3000	----	----	----	5	41 + 5
325	----	----	----	----	----	0.0391 + 0.0070	.1647	----	----	----	----	9 UNCH
TOTAL											5	97 + 5
JUL19												
275	----	----	----	----	----	0.1874 + 0.0173	.5157	----	----	----	----	53 UNCH
295	----	----	----	----	----	0.1107 + 0.0132	.3619	----	----	----	----	31 UNCH
300	----	----	----	----	----	0.0963 + 0.0122	.3271	----	----	----	7	82 + 7
325	----	----	----	----	----	0.0465 + 0.0080	.1859	----	----	----	----	5 UNCH
TOTAL											7	171 + 7
AUG19												
275	----	----	----	----	----	0.1959 + 0.0181	.5150	----	----	----	----	55 UNCH
295	----	----	----	----	----	0.1193 + 0.0141	.3692	----	----	----	----	31 UNCH
300	----	----	----	----	----	0.1048 + 0.0132	.3361	----	----	----	8	82 + 8
TOTAL											8	168 + 8
SEP19												
275	----	----	----	----	----	0.1890 + 0.0169	.4976	----	----	----	----	39 UNCH
295	----	----	----	----	----	0.1162 + 0.0133	.3572	----	----	----	----	30 UNCH
300	----	----	----	----	----	0.1024 + 0.0125	.3256	----	----	----	6	68 + 3
TOTAL											6	137 + 3
OCT19												
275	----	----	----	----	----	0.2048 + 0.0167	.5131	----	----	----	----	23 UNCH
295	----	----	----	----	----	0.1281 + 0.0143	.3752	----	----	----	----	31 UNCH
300	----	----	----	----	----	0.1131 + 0.0135	.3433	----	----	----	1	36 UNCH
TOTAL											1	90
NOV19												
295	----	----	----	----	----	0.1542 + 0.0088	.4127	----	----	----	----	30 UNCH
300	----	----	----	----	----	0.1379 + 0.0078	.3815	----	----	----	----	41 UNCH
325	----	----	----	----	----	0.0782 + 0.0040	.2486	----	----	----	4	42 + 4
TOTAL											4	113 + 4
DEC19												
295	----	----	----	----	----	0.2396 + 0.0093	.5154	----	----	----	----	31 UNCH
300	----	----	----	----	----	0.2198 + 0.0092	.4860	----	----	----	----	46 UNCH
325	----	----	----	----	----	0.1412 + 0.0081	.3526	----	----	----	6	35 + 6
TOTAL											6	112 + 6
JAN20												
300	----	----	----	----	----	0.3123 + 0.0082	.5583	----	----	----	----	47 UNCH
325	----	----	----	----	----	0.2240 + 0.0047	.4389	----	----	----	5	75 + 5
350	----	----	----	----	----	0.1621 - 0.0003	.3405	----	----	----	----	31 UNCH
TOTAL											5	153 + 5
FEB20												
300	----	----	----	----	----	0.3125 + 0.0022	.5352	----	----	----	----	44 UNCH
325	----	----	----	----	----	0.2304 - 0.0005	.4280	----	----	----	4	66 + 4
350	----	----	----	----	----	0.1715 - 0.0038	.3392	----	----	----	----	29 UNCH
TOTAL											4	139 + 4
MAR20												
300	----	----	----	----	----	0.2733 + 0.0038	.4755	----	----	----	----	41 UNCH
325	----	----	----	----	----	0.2061 + 0.0014	.3835	----	----	----	6	68 + 6
350	----	----	----	----	----	0.1574 - 0.0014	.3085	----	----	----	----	31 UNCH
TOTAL											6	140 + 6
APR20												
275	----	----	----	----	----	0.1052 + 0.0041	.3503	----	----	----	4	17 + 4
300	----	----	----	----	----	0.0519 + 0.0036	.2042	----	----	----	----	9 UNCH
325	----	----	----	----	----	0.0241 + 0.0013	.1090	----	----	----	----	60 UNCH
350	----	----	----	----	----	0.0108 - 0.0012	.0547	----	----	----	----	30 UNCH
TOTAL											4	116 + 4
MAY20												
275	----	----	----	----	----	0.0895 + 0.0050	.3193	----	----	----	5	23 + 5
300	----	----	----	----	----	0.0422 + 0.0037	.1781	----	----	----	----	8 UNCH
325	----	----	----	----	----	0.0187 + 0.0009	.0907	----	----	----	----	62 UNCH
350	----	----	----	----	----	0.0081 - 0.0013	.0438	----	----	----	----	31 UNCH
TOTAL											5	124 + 5
JUN20												
275	----	----	----	----	----	0.1050 + 0.0051	.3554	----	----	----	5	22 + 5
300	----	----	----	----	----	0.0508 + 0.0043	.2043	----	----	----	----	4 UNCH
325	----	----	----	----	----	0.0230 + 0.0016	.1068	----	----	----	----	60 UNCH
350	----	----	----	----	----	0.0101 - 0.0009	.0526	----	----	----	----	30 UNCH
TOTAL											5	116 + 5
JUL20												
275	----	----	----	----	----	0.1244 + 0.0039	.3949	----	----	----	5	22 + 5
325	----	----	----	----	----	0.0292 + 0.0026	.1279	----	----	----	----	62 UNCH
350	----	----	----	----	----	0.0132 + 0.0016	.0651	----	----	----	----	31 UNCH
TOTAL											5	115 + 5
AUG20												
275	----	----	----	----	----	0.1298 + 0.0045	.4040	----	----	----	5	19 + 5



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PRELIMINARY

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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
E7 PUT HENRY HUB FINANCIAL LAST DAY 0											
JUN21	230	----	----	----	0.1151 + 0.0040	.3095	----	----	----	----	2 2 UNCH
TOTAL											
JUL21	230	----	----	----	0.1053 + 0.0038	.2875	----	----	----	----	2 2 UNCH
TOTAL											
AUG21	230	----	----	----	0.1024 + 0.0035	.2793	----	----	----	----	2 2 UNCH
TOTAL											
SEP21	230	----	----	----	0.1048 + 0.0033	.2840	----	----	----	----	1 1 UNCH
TOTAL											
OCT21	230	----	----	----	0.1000 + 0.0031	.2707	----	----	----	----	1 1 UNCH
TOTAL											
NOV21	230	----	----	----	0.0936 + 0.0035	.2418	----	----	----	----	1 1 UNCH
TOTAL											
DEC21	230	----	----	----	0.0701 + 0.0027	.1791	----	----	----	----	1 1 UNCH
TOTAL											
JAN22	230	----	----	----	0.0630 + 0.0028	.1509	----	----	----	----	1 1 UNCH
TOTAL											
FEB22	230	----	----	----	0.0871 + 0.0032	.1816	----	----	----	----	1 1 UNCH
TOTAL											
MAR22	230	----	----	----	0.1189 + 0.0040	.2223	----	----	----	----	1 1 UNCH
TOTAL											
APR22	230	----	----	----	0.1371 + 0.0060	.3111	----	----	----	----	1 1 UNCH
TOTAL											
MAY22	230	----	----	----	0.1383 + 0.0061	.3256	----	----	----	----	1 1 UNCH
TOTAL											
FA CALL HO 1 MONTH CALENDAR OPTIONS											
FEB19	100	----	----	----	0.0085 + 0.0004	.4890	----	----	----	----	50 50 UNCH
TOTAL											
MAR19	130	----	----	----	0.0105 + 0.0002	.5318	----	----	----	----	1000 50 UNCH
	200	----	----	----	0.0087 + 0.0001	.4267	----	----	----	----	1050 50 UNCH
TOTAL											
FA PUT HO 1 MONTH CALENDAR OPTIONS											
JAN19	0	----	----	----	0.0038 - 0.0002	.3096	----	----	----	----	500 500 UNCH
TOTAL											
FEB19	0	----	----	----	0.0038 - 0.0004	.3095	----	----	----	----	500 500 UNCH
TOTAL											
MAR19	0	----	----	----	0.0033 - 0.0002	.2491	----	----	----	----	500 500 UNCH
TOTAL											
W30 OPT LLS ARGUS V.WTI CRUDE OIL AVG PRICE											
NOV18	400	----	----	----	3.99 - 0.02	.9966	----	----	----	----	250 50 UNCH
	450	----	----	----	3.49 - 0.02	.9912	----	----	----	----	300 50 UNCH
TOTAL											
DEC18	400	----	----	----	3.56 + 0.09	.8915	----	----	----	----	250 50 UNCH
	450	----	----	----	2.90 + 0.11	.8539	----	----	----	----	300 50 UNCH
TOTAL											
4J CALL MT BELVIEU ETHANE 5-DCML (OPIS)											
NOV18	2750	----	----	----	0.05451 - 0.00054	1.0000	----	----	----	----	75 10 UNCH
	3200	----	----	----	0.00962 - 0.00054	.9734	----	----	----	----	85 10 UNCH
TOTAL											
DEC18	2750	----	----	----	0.07667 UNCH	.9994	----	----	----	----	75 10 UNCH
	3200	----	----	----	0.03322 - 0.00011	.9010	----	----	----	----	85 10 UNCH
TOTAL											
JAN19	3100	----	----	----	0.05392 - 0.00063	.9268	----	----	----	----	75 75 UNCH
TOTAL											
FEB19	3100	----	----	----	0.05565 - 0.00170	.8825	----	----	----	----	75 75 UNCH
TOTAL											
MAR19	3100	----	----	----	0.05476 - 0.00214	.8400	----	----	----	----	75 75 UNCH
TOTAL											
APR19	3100	----	----	----	0.05307 - 0.00056	.7984	----	----	----	----	75 75 UNCH
TOTAL											
MAY19	3100	----	----	----	0.05398 - 0.00055	.7761	----	----	----	----	75 75 UNCH
TOTAL											
JUN19	3100	----	----	----	0.05486 - 0.00053	.7579	----	----	----	----	75 75 UNCH
TOTAL											
JUL19	3100	----	----	----	0.05458 - 0.00050	.7488	----	----	----	----	75 75 UNCH
TOTAL											
AUG19	3100	----	----	----	0.05521 - 0.00050	.7357	----	----	----	----	75 75 UNCH
TOTAL											



PG63 BULLETIN #223@

ENERGY OPTIONS

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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 4J CALL, 4K CALL, 4K PUT, and 4H CALL for various months and contract types.

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PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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 call and put options for various months (MAR19, APR19, MAY19, JUN19, OCT19, NOV19, DEC19, JAN20, FEB20, MAR20, NOV18, JAN19, FEB19, MAR19, APR19, MAY19, JUN19) and contract types (4H CALL, 4H PUT).



PG63 BULLETIN #223@

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 MT BELVIEU PROPANE 5-DCML (OPIS) and NATURAL GAS 1 M CSO FIN.



PG63 BULLETIN #223@

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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 contracts like G6 PUT APR19, 6J CALL JAN19, 6J PUT JAN19, ZR CALL DEC18, and LC CALL JAN19.



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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 contract months like FEB19, MAR19, APR19, etc., with various strike prices and their corresponding volumes and interest.

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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 LC CALL, LC PUT, FEB19, MAR19, APR19, MAY19, JUN19, JUL19, AUG19, SEP19, OCT19, NOV19, DEC19.

Table with columns: LO CALL, NYMEX CRUDE OIL OPTIONS (PHY). Rows include JAN19, FEB19, MAR19, APR19, MAY19, JUN19, JUL19, AUG19, SEP19, OCT19, NOV19, DEC19. Includes detailed option specifications and prices.

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Table with columns: LO CALL, 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 JAN19 to FEB19.

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Table with columns: LO CALL, NYMEX CRUDE OIL OPTIONS (PHY), 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 contract months from FEB19 to 12500.



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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 MAR19 and APR19 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 NYMEX CRUDE OIL OPTIONS (PHY) for APR19 and MAY19.

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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 various energy contracts like DEC19, 3250, 3350, etc.

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PG63 BULLETIN #223@

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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 various contract months like DEC19, JAN20, FEB20, etc., with associated prices and volumes.

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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 DEC20, DEC21, DEC22, DEC23, LO PUT, and JAN19.

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CME Group, Inc.

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Table with columns: LO, PUT, JAN19, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, NYMEX CRUDE OIL OPTIONS (PHY), 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 data for JAN19 and FEB19.

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Table with columns: LO 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, and MAY19 contracts.

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Table with columns: LO PUT MAY19, 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 numbers 2600-9850 and 1400-3450.

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Table with columns: LO PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, NYMEX CRUDE OIL OPTIONS (PHY), 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 JUN19 to 9900 and JUL19 to 4550.

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Table with columns: LO PUT, GLOBEX OPEN, OPEN RANGE, OUTCRY RANGE, 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 Nymex Crude Oil Options (Phy) for various months from Dec 19 to Dec 20.

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Table with columns: LO 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 CRUDE OIL OPTIONS (PHY) and NYMEX HEATING OIL (PHY) OPTIONS for various months (DEC20, JUN21, DEC21, DEC22, DEC23, DEC18, JAN19).

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Table with columns: OH 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 JAN19, FEB19, and MAR19 contracts for NYMEX HEATING OIL (PHY) OPTIONS.

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Table with columns: OH 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 months from JUN19 to JAN19 with various contract specifications and prices.

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PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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 CLEARER TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

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Table with columns: LN CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, NYMEX NATURAL GAS (EURO) OPTS, 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 DEC18, JAN19, and various price points.

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Table with columns: LN CALL, NYMEX NATURAL GAS (EURO) OPTS, 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 details for JAN19 and FEB19.

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Table with columns: LN CALL FEB19, 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 various contract months like 3100, 3150, 3200, etc.

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Table with columns: LN, CALL, GLOBEX OPEN, OPEN RANGE, OUTCRY OPEN RANGE, NYMEX NATURAL GAS (EURO) OPTS, 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 OCT19, NOV19, DEC19, and JAN20.



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PRELIMINARY

PG63 BULLETIN #223@

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LN	CALL	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX®	PNT	OPEN
		OPEN	RANGE	HIGH/LOW	HIGH/LOW	RANGE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
NYMEX NATURAL GAS (EURO) OPTS													
AUG20													
2900	----	----	----	----	----	----	0.0872 + 0.0040	.3024	----	----	----	----	26 UNCH
2910	----	----	----	----	----	----	0.0848 + 0.0039	.2961	----	----	----	----	11 UNCH
2930	----	----	----	----	----	----	0.0802 + 0.0038	.2839	----	----	----	----	11 UNCH
2940	----	----	----	----	----	----	0.0780 + 0.0038	.2780	----	----	----	----	12 UNCH
2950	----	----	----	----	----	----	0.0759 + 0.0038	.2722	----	----	----	----	33 UNCH
2960	----	----	----	----	----	----	0.0738 + 0.0038	.2664	----	----	----	----	11 UNCH
3000	----	----	----	----	----	----	0.0658 + 0.0035	.2440	----	----	----	----	1196 UNCH
3100	----	----	----	----	----	----	0.0493 + 0.0034	.1722	----	----	----	----	20 UNCH
3150	----	----	----	----	----	----	0.0424 + 0.0032	.1722	----	----	----	----	36 UNCH
3250	----	----	----	----	----	----	0.0313 + 0.0028	.1343	----	----	----	----	880 UNCH
3500	----	----	----	----	----	----	0.0143 + 0.0016	.0691	----	----	----	----	920 UNCH
3700	----	----	----	----	----	----	0.0076 + 0.0010	.0397	----	----	----	----	10 UNCH
3750	----	----	----	----	----	----	0.0066 + 0.0009	.0349	----	----	----	----	880 UNCH
4000	----	----	----	----	----	----	0.0033 + 0.0005	.0184	----	----	----	----	760 UNCH
4250	----	----	----	----	----	----	0.0018 + 0.0002	.0104	----	----	----	----	90 UNCH
4450	----	----	----	----	----	----	0.0012 + 0.0002	.0070	----	----	----	----	50 UNCH
5000	----	----	----	----	----	----	0.0004 + 0.0001	.0024	----	----	----	----	125 UNCH
5150	----	----	----	----	----	----	0.0003 UNCH	.0018	----	----	----	----	25 UNCH
5200	----	----	----	----	----	----	0.0003 UNCH	.0018	----	----	----	----	75 UNCH
6000	----	----	----	----	----	----	0.0001 UNCH	.0006	----	----	----	----	26 UNCH
TOTAL													8868
SEP20													
2500	----	----	----	----	----	----	0.2294 + 0.0074	.5873	----	----	----	----	25 UNCH
2550	----	----	----	----	----	----	0.2053 + 0.0070	.5478	----	----	----	----	100 UNCH
2650	----	----	----	----	----	----	0.1624 + 0.0060	.4696	----	----	----	----	50 UNCH
2680	----	----	----	----	----	----	0.1510 + 0.0058	.4469	----	----	----	----	20 UNCH
2700	----	----	----	----	----	----	0.1438 + 0.0057	.4320	----	----	----	----	35 UNCH
2710	----	----	----	----	----	----	0.1402 + 0.0055	.4245	----	----	----	----	10 UNCH
2720	----	----	----	----	----	----	0.1368 + 0.0055	.4172	----	----	----	----	20 UNCH
2730	----	----	----	----	----	----	0.1334 + 0.0054	.4100	----	----	----	----	11 UNCH
2750	----	----	----	----	----	----	0.1268 + 0.0053	.3955	----	----	----	----	130 UNCH
2760	----	----	----	----	----	----	0.1237 + 0.0053	.3885	----	----	----	----	10 UNCH
2790	----	----	----	----	----	----	0.1145 + 0.0051	.3676	----	----	----	----	11 UNCH
2800	----	----	----	----	----	----	0.1116 + 0.0051	.3608	----	----	----	----	12 UNCH
2810	----	----	----	----	----	----	0.1087 + 0.0050	.3540	----	----	----	----	11 UNCH
2850	----	----	----	----	----	----	0.0978 + 0.0047	.3276	----	----	----	----	3225 UNCH
2880	----	----	----	----	----	----	0.0903 + 0.0046	.3086	----	----	----	----	1 UNCH
2900	----	----	----	----	----	----	0.0855 + 0.0045	.2962	----	----	----	----	26 UNCH
2910	----	----	----	----	----	----	0.0832 + 0.0044	.2902	----	----	----	----	11 UNCH
2930	----	----	----	----	----	----	0.0788 + 0.0044	.2784	----	----	----	----	11 UNCH
2940	----	----	----	----	----	----	0.0766 + 0.0043	.2726	----	----	----	----	12 UNCH
2950	----	----	----	----	----	----	0.0745 + 0.0042	.2668	----	----	----	----	33 UNCH
2960	----	----	----	----	----	----	0.0725 + 0.0042	.2613	----	----	----	----	11 UNCH
3000	----	----	----	----	----	----	0.0648 + 0.0040	.2395	----	----	----	----	1196 UNCH
3100	----	----	----	----	----	----	0.0486 + 0.0036	.1909	----	----	----	----	20 UNCH
3150	----	----	----	----	----	----	0.0419 + 0.0034	.1694	----	----	----	----	36 UNCH
3250	----	----	----	----	----	----	0.0310 + 0.0030	.1324	----	----	----	----	880 UNCH
3500	----	----	----	----	----	----	0.0144 + 0.0018	.0690	----	----	----	----	920 UNCH
3700	----	----	----	----	----	----	0.0077 + 0.0010	.0398	----	----	----	----	10 UNCH
3750	----	----	----	----	----	----	0.0067 + 0.0009	.0351	----	----	----	----	880 UNCH
4000	----	----	----	----	----	----	0.0034 + 0.0005	.0188	----	----	----	----	760 UNCH
4250	----	----	----	----	----	----	0.0019 + 0.0003	.0108	----	----	----	----	90 UNCH
4450	----	----	----	----	----	----	0.0012 + 0.0002	.0070	----	----	----	----	50 UNCH
5000	----	----	----	----	----	----	0.0004 UNCH	.0024	----	----	----	----	125 UNCH
5150	----	----	----	----	----	----	0.0003 UNCH	.0018	----	----	----	----	25 UNCH
5200	----	----	----	----	----	----	0.0003 UNCH	.0018	----	----	----	----	75 UNCH
6000	----	----	----	----	----	----	0.0001 UNCH	.0006	----	----	----	----	26 UNCH
TOTAL													8868
OCT20													
2500	----	----	----	----	----	----	0.2438 + 0.0073	.6005	----	----	----	----	25 UNCH
2550	----	----	----	----	----	----	0.2191 + 0.0068	.5622	----	----	----	----	100 UNCH
2650	----	----	----	----	----	----	0.1751 + 0.0059	.4857	----	----	----	----	50 UNCH
2680	----	----	----	----	----	----	0.1633 + 0.0056	.4634	----	----	----	----	20 UNCH
2700	----	----	----	----	----	----	0.1558 + 0.0055	.4487	----	----	----	----	35 UNCH
2710	----	----	----	----	----	----	0.1521 + 0.0054	.4414	----	----	----	----	10 UNCH
2720	----	----	----	----	----	----	0.1485 + 0.0053	.4342	----	----	----	----	20 UNCH
2730	----	----	----	----	----	----	0.1450 + 0.0052	.4270	----	----	----	----	11 UNCH
2750	----	----	----	----	----	----	0.1382 + 0.0051	.4128	----	----	----	----	130 UNCH
2760	----	----	----	----	----	----	0.1349 + 0.0051	.4058	----	----	----	----	10 UNCH
2790	----	----	----	----	----	----	0.1253 + 0.0049	.3850	----	----	----	----	11 UNCH
2800	----	----	----	----	----	----	0.1222 + 0.0048	.3782	----	----	----	----	12 UNCH
2810	----	----	----	----	----	----	0.1192 + 0.0047	.3715	----	----	----	----	11 UNCH
2850	----	----	----	----	----	----	0.1078 + 0.0046	.3452	----	----	----	----	3225 UNCH
2880	----	----	----	----	----	----	0.0998 + 0.0044	.3262	----	----	----	----	1 UNCH
2900	----	----	----	----	----	----	0.0948 + 0.0043	.3139	----	----	----	----	26 UNCH
2910	----	----	----	----	----	----	0.0923 + 0.0042	.3078	----	----	----	----	11 UNCH
2930	----	----	----	----	----	----	0.0876 + 0.0041	.2959	----	----	----	----	11 UNCH
2940	----	----	----	----	----	----	0.0853 + 0.0041	.2900	----	----	----	----	12 UNCH
2950	----	----	----	----	----	----	0.0831 + 0.0041	.2843	----	----	----	----	33 UNCH
2960	----	----	----	----	----	----	0.0809 + 0.0040	.2786	----	----	----	----	11 UNCH
3000	----	----	----	----	----	----	0.0727 + 0.0039	.2566	----	----	----	----	1196 UNCH
3100	----	----	----	----	----	----	0.0552 + 0.0035	.2069	----	----	----	----	20 UNCH
3150	----	----	----	----	----	----	0.0480 + 0.0034	.1850	----	----	----	----	36 UNCH
3250	----	----	----	----	----	----	0.0360 + 0.0030	.1464	----	----	----	----	880 UNCH
3500	----	----	----	----	----	----	0.0172 + 0.0019	.0786	----	----	----	----	920 UNCH
3700	----	----	----	----	----	----	0.0094 + 0.0011	.0464	----	----	----	----	10 UNCH
3750	----	----	----	----	----	----	0.0081 + 0.0010	.0407	----	----	----	----	880 UNCH
4000	----	----	----	----	----	----	0.0041 + 0.0005	.0219	----	----	----	----	760 UNCH
4250	----	----	----	----	----	----	0.0023 + 0.0003	.0126	----	----	----	----	28 UNCH
4450	----	----	----	----	----	----	0.0015 + 0.0002	.0084	----	----	----	----	50 UNCH
5000	----	----	----	----	----	----	0.0005 UNCH	.0029	----	----	----	----	125 UNCH
5150	----	----	----	----	----	----	0.0004 UNCH	.0023	----	----	----	----	25 UNCH
5200	----	----	----	----	----	----	0.0004 + 0.0001	.0023	----	----	----	----	75 UNCH
6000	----	----	----	----	----	----	0.0001 UNCH	.0006	----	----	----	----	25 UNCH
TOTAL													8805
NOV20													
2650	----	----	----	----	----	----	0.2121 + 0.0055	.5361	----	----	----	----	50 UNCH
2680	----	----	----	----	----	----	0.1988 + 0.0055	.5141	----	----	----	----	20 UNCH
2710	----	----	----	----	----	----	0.1861 + 0.0054	.4923	----	----	----		



PRELIMINARY

PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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.

Table with columns: LN, CALL, 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 like NOV20, DEC20, JAN21, FEB21, MAR21, APR21 and various contract numbers.



PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 2018 PG63

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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 months MAY21, JUN21, JUL21, AUG21, SEP21, OCT21 and various contract months (2500, 2600, 2700, 2750, 2800, 2850, 2900, 3000, 3150, 3250, 3500, 3650, 3750, 4000, 4250, 4500, 4700, 5200, 6000).



PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 2018 PG63

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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 months from OCT21 to MAY22.

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, Nov 16, 2018 PG63

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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 months like MAY22, JUN22, JUL22, AUG22, SEP22, OCT22, NOV22, DEC22 and various contract specifications.

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ENERGY OPTIONS

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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 months from DEC22 to AUG23 with various contract specifications and volume data.



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ENERGY OPTIONS

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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 months from SEP23 to JUL24 with various contract specifications and volume data.



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ENERGY OPTIONS

Fri, Nov 16, 2018 PG63

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Table with columns: LN, PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, NYMEX NATURAL GAS (EURO) OPTS, 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 3450 and a TOTAL row.

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ENERGY OPTIONS

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Table with columns: LN, PUT, OPEN, OUTCRY, GLOBEX, OPEN, OUTCRY, SETT.PRICE, DELTA, EXER, OPEN, GLOBEX, PNT, OPEN. Rows include Nymex Natural Gas (EURO) Opts and various contract months from JAN19 to FEB19.

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Table with columns: LN, PUT, OPEN, OUTCRY, GLOBEX, OPEN, OUTCRY, SETT.PRICE, DELTA, EXER, OPEN, GLOBEX, PNT, OPEN. Rows include FEB19, MAR19, and various contract months with associated prices and volumes.

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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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PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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

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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 JUN19 to NOV19 and various contract specifications.

PRELIMINARY

PG63 BULLETIN #223@

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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 NOV19 to MAR20 and various contract specifications.



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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PRICE INDICATOR KEY

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LN	PUT	NYMEX	NATURAL	GAS	(EURO)	OPTS	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
TOTAL												450	9812 + 400
APR20												300	500 + 300
2000	----	----	----	----	----	----	0.0364 + 0.0055	.1244	----	----	----	----	150 UNCH
2150	----	----	----	----	----	----	0.0667 + 0.0070	.2042	----	----	----	----	2905 UNCH
2200	----	----	----	----	----	----	0.0798 + 0.0074	.2355	----	----	----	----	400 UNCH
2250	----	----	----	----	----	----	0.0947 + 0.0077	.2692	----	----	----	----	25 UNCH
2300	----	----	----	----	----	----	0.1114 + 0.0080	.3048	----	----	----	----	125 UNCH
2400	----	----	----	----	----	----	0.1504 + 0.0085	.3806	----	----	----	----	1685 + 100
2500	----	----	----	----	----	----	0.1970 + 0.0087	.4606	----	----	----	150	141 UNCH
2550	----	----	----	----	----	----	0.2232 + 0.0088	.5006	----	----	----	----	3205 UNCH
2600	----	----	----	----	----	----	0.2512 + 0.0087	.5420	----	----	----	----	10 UNCH
2630	----	----	----	----	----	----	0.2689 + 0.0087	.5662	----	----	----	----	61 UNCH
2650	----	----	----	----	----	----	0.2811 + 0.0087	.5823	----	----	----	----	30 UNCH
2700	----	----	----	----	----	----	0.3128 + 0.0088	.6147	----	----	----	----	1 UNCH
2710	----	----	----	----	----	----	0.3194 + 0.0089	.6218	----	----	----	----	11 UNCH
2720	----	----	----	----	----	----	0.3260 + 0.0089	.6289	----	----	----	----	11 UNCH
2730	----	----	----	----	----	----	0.3327 + 0.0090	.6359	----	----	----	----	467 UNCH
2750	----	----	----	----	----	----	0.3462 + 0.0090	.6498	----	----	----	----	85 UNCH
2800	----	----	----	----	----	----	0.3811 + 0.0090	.6831	----	----	----	----	11 UNCH
2840	----	----	----	----	----	----	0.4101 + 0.0090	.7276	----	----	----	----	50 UNCH
2850	----	----	----	----	----	----	0.4174 + 0.0090	.7145	----	----	----	----	16 UNCH
2900	----	----	----	----	----	----	0.4551 + 0.0090	.7437	----	----	----	----	81 UNCH
3000	----	----	----	----	----	----	0.5341 + 0.0085	.7959	----	----	----	----	50 UNCH
4450	----	----	----	----	----	----	1.8818 + 0.0041	.9945	----	----	----	----	25 UNCH
5150	----	----	----	----	----	----	2.5564 + 0.0048	.9987	----	----	----	----	75 UNCH
5200	----	----	----	----	----	----	2.6046 + 0.0048	.9987	----	----	----	----	450
TOTAL												450	10120 + 400
MAY20												300	500 + 300
2000	----	----	----	----	----	----	0.0383 + 0.0057	.1337	----	----	----	----	150 UNCH
2150	----	----	----	----	----	----	0.0702 + 0.0072	.2191	----	----	----	----	2905 UNCH
2200	----	----	----	----	----	----	0.0840 + 0.0074	.2526	----	----	----	----	400 UNCH
2250	----	----	----	----	----	----	0.0997 + 0.0077	.2884	----	----	----	----	25 UNCH
2300	----	----	----	----	----	----	0.1173 + 0.0079	.3263	----	----	----	----	125 UNCH
2400	----	----	----	----	----	----	0.1583 + 0.0082	.4064	----	----	----	----	1560 + 100
2500	----	----	----	----	----	----	0.2071 + 0.0081	.4899	----	----	----	150	116 UNCH
2550	----	----	----	----	----	----	0.2345 + 0.0080	.5309	----	----	----	----	3205 UNCH
2600	----	----	----	----	----	----	0.2638 + 0.0080	.5749	----	----	----	----	10 UNCH
2630	----	----	----	----	----	----	0.2823 + 0.0079	.5999	----	----	----	----	61 UNCH
2650	----	----	----	----	----	----	0.2950 + 0.0079	.6164	----	----	----	----	30 UNCH
2700	----	----	----	----	----	----	0.3280 + 0.0080	.6460	----	----	----	----	1 UNCH
2710	----	----	----	----	----	----	0.3348 + 0.0080	.6532	----	----	----	----	11 UNCH
2720	----	----	----	----	----	----	0.3416 + 0.0079	.6602	----	----	----	----	11 UNCH
2730	----	----	----	----	----	----	0.3486 + 0.0080	.6671	----	----	----	----	467 UNCH
2750	----	----	----	----	----	----	0.3626 + 0.0079	.6809	----	----	----	----	85 UNCH
2800	----	----	----	----	----	----	0.3987 + 0.0079	.7136	----	----	----	----	11 UNCH
2840	----	----	----	----	----	----	0.4285 + 0.0077	.7653	----	----	----	----	50 UNCH
2850	----	----	----	----	----	----	0.4361 + 0.0077	.7442	----	----	----	----	16 UNCH
2900	----	----	----	----	----	----	0.4749 + 0.0075	.7725	----	----	----	----	81 UNCH
3000	----	----	----	----	----	----	0.5559 + 0.0067	.8222	----	----	----	----	50 UNCH
4450	----	----	----	----	----	----	1.9096 + 0.0024	.9956	----	----	----	----	25 UNCH
5150	----	----	----	----	----	----	2.5826 + 0.0029	.9987	----	----	----	----	75 UNCH
5200	----	----	----	----	----	----	2.6307 + 0.0030	.9993	----	----	----	----	450
TOTAL												450	9970 + 400
JUN20												300	515 + 300
2000	----	----	----	----	----	----	0.0324 + 0.0054	.1147	----	----	----	----	150 UNCH
2150	----	----	----	----	----	----	0.0606 + 0.0071	.1923	----	----	----	----	2905 UNCH
2200	----	----	----	----	----	----	0.0729 + 0.0075	.2231	----	----	----	----	400 UNCH
2250	----	----	----	----	----	----	0.0868 + 0.0076	.2563	----	----	----	----	25 UNCH
2300	----	----	----	----	----	----	0.1026 + 0.0079	.2917	----	----	----	----	125 UNCH
2400	----	----	----	----	----	----	0.1398 + 0.0082	.3680	----	----	----	----	1566 + 100
2500	----	----	----	----	----	----	0.1847 + 0.0083	.4494	----	----	----	150	116 UNCH
2550	----	----	----	----	----	----	0.2101 + 0.0082	.4906	----	----	----	----	3205 UNCH
2600	----	----	----	----	----	----	0.2374 + 0.0081	.5329	----	----	----	----	10 UNCH
2630	----	----	----	----	----	----	0.2547 + 0.0080	.5580	----	----	----	----	61 UNCH
2650	----	----	----	----	----	----	0.2666 + 0.0080	.5746	----	----	----	----	30 UNCH
2700	----	----	----	----	----	----	0.2976 + 0.0079	.6084	----	----	----	----	1 UNCH
2710	----	----	----	----	----	----	0.3041 + 0.0080	.6158	----	----	----	----	11 UNCH
2720	----	----	----	----	----	----	0.3106 + 0.0080	.6231	----	----	----	----	11 UNCH
2730	----	----	----	----	----	----	0.3171 + 0.0079	.6304	----	----	----	----	467 UNCH
2750	----	----	----	----	----	----	0.3304 + 0.0079	.6448	----	----	----	----	85 UNCH
2800	----	----	----	----	----	----	0.3648 + 0.0079	.6792	----	----	----	----	11 UNCH
2840	----	----	----	----	----	----	0.3934 + 0.0079	.7266	----	----	----	----	50 UNCH
2850	----	----	----	----	----	----	0.4007 + 0.0079	.7117	----	----	----	----	16 UNCH
2900	----	----	----	----	----	----	0.4380 + 0.0078	.7419	----	----	----	----	81 UNCH
3000	----	----	----	----	----	----	0.5163 + 0.0073	.7958	----	----	----	----	50 UNCH
4450	----	----	----	----	----	----	1.8584 + 0.0024	.9950	----	----	----	----	25 UNCH
5150	----	----	----	----	----	----	2.5298 + 0.0030	.9987	----	----	----	----	75 UNCH
5200	----	----	----	----	----	----	2.5778 + 0.0030	.9987	----	----	----	----	450
TOTAL												450	9991 + 400
JUL20												300	515 + 300
2000	----	----	----	----	----	----	0.0281 + 0.0060	.0995	----	----	----	----	150 UNCH
2150	----	----	----	----	----	----	0.0531 + 0.0079	.1692	----	----	----	----	2905 UNCH
2200	----	----	----	----	----	----	0.0641 + 0.0083	.1973	----	----	----	----	400 UNCH
2250	----	----	----	----	----	----	0.0767 + 0.0086	.2278	----	----	----	----	25 UNCH
2300	----	----	----	----	----	----	0.0909 + 0.0088	.2605	----	----	----	----	125 UNCH
2400	----	----	----	----	----	----	0.1246 + 0.0089	.3319	----	----	----	----	1566 + 100
2500	----	----	----	----	----	----	0.1657 + 0.0087	.4093	----	----	----	150	116 UNCH
2550	----	----	----	----	----	----	0.1891 + 0.0086	.4495	----	----	----	----	3205 UNCH
2600	----	----	----	----	----	----	0.2144 + 0.0084	.4903	----	----	----	----	10 UNCH
2630	----	----	----	----	----	----	0.2305 + 0.0082	.5149	----	----	----	----	61 UNCH
2650	----	----	----	----	----	----	0.2416 + 0.0082	.5293	----	----	----	----	30 UNCH
2700	----	----	----	----	----	----	0.2706 + 0.0079	.5679	----	----	----	----	1 UNCH
2710	----	----	----	----	----	----	0.2766 + 0.0079	.5754	----	----	----	----	11 UNCH
2720	----	----	----	----	----	----	0.2827 + 0.0078	.5829	----	----	----	----	11 UNCH
2730	----	----	----	----	----	----	0.2889 + 0.0078	.5904	----	----	----	----	467 UNCH
2750	----	----	----	----	----	----	0.3015 + 0.0078	.6051	----	----	----	----	85 UNCH
2800	----	----	----	----	----	----	0.3340 + 0.0077	.6408	----	----	----	----	



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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
NYMEX NATURAL GAS (EURO) OPTS													
FEB21													
2250		----	----	----	----	----	0.0594 + 0.0027	.1416	----	----	----	----	1135 UNCH
2400		----	----	----	----	----	0.0956 + 0.0035	.2058	----	----	----	----	600 UNCH
2500		----	----	----	----	----	0.1264 + 0.0039	.2543	----	----	----	----	300 UNCH
2510		----	----	----	----	----	0.1298 + 0.0039	.2593	----	----	----	----	2 UNCH
2600		----	----	----	----	----	0.1634 + 0.0043	.3064	----	----	----	----	70 UNCH
2700		----	----	----	----	----	0.2064 + 0.0046	.3606	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.2299 + 0.0047	.3880	----	----	----	----	50 UNCH
2800		----	----	----	----	----	0.2548 + 0.0048	.4156	----	----	----	----	31 UNCH
2850		----	----	----	----	----	0.2811 + 0.0048	.4432	----	----	----	----	260 UNCH
5200		----	----	----	----	----	2.2178 + 0.0025	.9540	----	----	----	----	100 UNCH
TOTAL													2585
MAR21													
2000		----	----	----	----	----	0.0383 + 0.0019	.0970	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.0902 + 0.0030	.1927	----	----	----	----	1135 UNCH
2400		----	----	----	----	----	0.1369 + 0.0036	.2643	----	----	----	----	600 UNCH
2500		----	----	----	----	----	0.1756 + 0.0038	.3162	----	----	----	----	300 UNCH
2510		----	----	----	----	----	0.1798 + 0.0038	.3215	----	----	----	----	2 UNCH
2600		----	----	----	----	----	0.2200 + 0.0040	.3698	----	----	----	----	70 UNCH
2700		----	----	----	----	----	0.2699 + 0.0042	.4240	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.2968 + 0.0042	.4509	----	----	----	----	50 UNCH
2800		----	----	----	----	----	0.3250 + 0.0042	.4768	----	----	----	----	281 UNCH
2850		----	----	----	----	----	0.3545 + 0.0042	.5019	----	----	----	----	260 UNCH
5200		----	----	----	----	----	2.3252 + 0.0024	.9558	----	----	----	----	100 UNCH
TOTAL													2835
APR21													
2000		----	----	----	----	----	0.0454 + 0.0029	.1396	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.1070 + 0.0042	.2795	----	----	----	----	1135 UNCH
2400		----	----	----	----	----	0.1655 + 0.0049	.3853	----	----	----	----	600 UNCH
2500		----	----	----	----	----	0.2134 + 0.0052	.4598	----	----	----	----	250 UNCH
2510		----	----	----	----	----	0.2186 + 0.0053	.4674	----	----	----	----	2 UNCH
2600		----	----	----	----	----	0.2399 + 0.0054	.4963	----	----	----	----	250 UNCH
2700		----	----	----	----	----	0.2680 + 0.0056	.5317	----	----	----	----	70 UNCH
2750		----	----	----	----	----	0.3285 + 0.0057	.5988	----	----	----	----	12 UNCH
2800		----	----	----	----	----	0.3610 + 0.0058	.6302	----	----	----	----	300 UNCH
2850		----	----	----	----	----	0.3947 + 0.0058	.6601	----	----	----	----	31 UNCH
5200		----	----	----	----	----	2.5354 + 0.0046	.9945	----	----	----	----	260 UNCH
TOTAL													3035
MAY21													
2000		----	----	----	----	----	0.0452 + 0.0028	.1453	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.1092 + 0.0041	.2954	----	----	----	----	1135 UNCH
2400		----	----	----	----	----	0.1701 + 0.0048	.4080	----	----	----	----	600 UNCH
2500		----	----	----	----	----	0.2198 + 0.0051	.4861	----	----	----	----	250 UNCH
2510		----	----	----	----	----	0.2252 + 0.0052	.4948	----	----	----	----	2 UNCH
2600		----	----	----	----	----	0.2763 + 0.0054	.5600	----	----	----	----	70 UNCH
2700		----	----	----	----	----	0.3390 + 0.0055	.6281	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.3724 + 0.0055	.6596	----	----	----	----	300 UNCH
2800		----	----	----	----	----	0.4072 + 0.0055	.6894	----	----	----	----	31 UNCH
2850		----	----	----	----	----	0.4432 + 0.0055	.7174	----	----	----	----	260 UNCH
5200		----	----	----	----	----	2.5587 + 0.0046	.9963	----	----	----	----	100 UNCH
TOTAL													2785
JUN21													
2000		----	----	----	----	----	0.0402 + 0.0026	.1318	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.0979 + 0.0037	.2739	----	----	----	----	1135 UNCH
2400		----	----	----	----	----	0.1550 + 0.0044	.3850	----	----	----	----	600 UNCH
2500		----	----	----	----	----	0.2025 + 0.0048	.4639	----	----	----	----	250 UNCH
2510		----	----	----	----	----	0.2076 + 0.0048	.4719	----	----	----	----	2 UNCH
2600		----	----	----	----	----	0.2568 + 0.0051	.5398	----	----	----	----	70 UNCH
2700		----	----	----	----	----	0.3176 + 0.0053	.6102	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.3502 + 0.0054	.6430	----	----	----	----	300 UNCH
2800		----	----	----	----	----	0.3841 + 0.0053	.6740	----	----	----	----	31 UNCH
2850		----	----	----	----	----	0.4193 + 0.0053	.7033	----	----	----	----	260 UNCH
5200		----	----	----	----	----	2.5252 + 0.0046	.9962	----	----	----	----	100 UNCH
TOTAL													2785
JUL21													
2000		----	----	----	----	----	0.0368 + 0.0024	.1208	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.0891 + 0.0036	.2532	----	----	----	----	1135 UNCH
2400		----	----	----	----	----	0.1426 + 0.0042	.3605	----	----	----	----	600 UNCH
2500		----	----	----	----	----	0.1876 + 0.0047	.4380	----	----	----	----	250 UNCH
2510		----	----	----	----	----	0.1924 + 0.0046	.4459	----	----	----	----	2 UNCH
2600		----	----	----	----	----	0.2395 + 0.0049	.5151	----	----	----	----	70 UNCH
2700		----	----	----	----	----	0.2980 + 0.0052	.5869	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.3295 + 0.0053	.6206	----	----	----	----	300 UNCH
2800		----	----	----	----	----	0.3623 + 0.0053	.6527	----	----	----	----	31 UNCH
2850		----	----	----	----	----	0.3965 + 0.0053	.6830	----	----	----	----	260 UNCH
5200		----	----	----	----	----	2.4886 + 0.0046	.9954	----	----	----	----	100 UNCH
TOTAL													2785
AUG21													
2000		----	----	----	----	----	0.0362 + 0.0023	.1176	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.0868 + 0.0033	.2459	----	----	----	----	1135 UNCH
2400		----	----	----	----	----	0.1389 + 0.0039	.3509	----	----	----	----	600 UNCH
2500		----	----	----	----	----	0.1828 + 0.0044	.4272	----	----	----	----	250 UNCH
2510		----	----	----	----	----	0.1875 + 0.0043	.4350	----	----	----	----	2 UNCH
2600		----	----	----	----	----	0.2337 + 0.0047	.5040	----	----	----	----	70 UNCH
2700		----	----	----	----	----	0.2911 + 0.0049	.5760	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.3220 + 0.0049	.6097	----	----	----	----	300 UNCH
2800		----	----	----	----	----	0.3545 + 0.0050	.6418	----	----	----	----	31 UNCH
2850		----	----	----	----	----	0.3882 + 0.0050	.6722	----	----	----	----	260 UNCH
5200		----	----	----	----	----	2.4696 + 0.0046	.9949	----	----	----	----	100 UNCH
TOTAL													2785
SEP21													
2000		----	----	----	----	----	0.0372 + 0.0023	.1204	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.0890 + 0.0032	.2505	----	----	----	----	1135 UNCH
2400		----	----	----	----	----	0.1418 + 0.0037	.3560	----	----	----	----	600 UNCH
2500		----	----	----	----	----	0.1862 + 0.0041	.4325	----	----	----	----	250 UNCH
2510		----	----	----	----	----	0.1910 + 0.0041	.4403	----	----	----	----	2 UNCH
2600		----	----	----	----	----	0.2375 + 0.0044	.5090	----	----	----	----	70 UNCH
2700		----	----	----	----	----	0.2952 + 0.0047	.5805	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.3263 + 0.0047	.6140	----	----	----	----	300 UNCH
2800		----	----	----	----	----	0.3588 + 0.0048	.6459	----	----	----	----	31 UNCH
2850		----	----	----	----	----	0.3925 + 0.0048	.6760	----	----	----	----	260 UNCH
5200		----	----	----	----	----	2.4705 + 0.0047	.9945	----	----	----	----	100 UNCH
TOTAL													2785
OCT21													
2000		----	----	----	----	----	0.0358 + 0.0021	.1146	----	----			



PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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

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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 NOV21 to OCT22 and various contract specifications.



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ENERGY OPTIONS

Fri, Nov 16, 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 months from NOV22 to JAN24 and various contract specifications.



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ENERGY OPTIONS

Fri, Nov 16, 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 months from JAN24 to JAN26 with various contract specifications and volume data.



PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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 months from FEB26 to OCT28.



PG63 BULLETIN #223@

ENERGY OPTIONS

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Table with columns: LN PUT, NYMEX NATURAL GAS (EURO) OPTS, 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 totals for NOV28, DEC28, JAN29, FEB29.

ON CALL NYMEX NATURAL GAS OPTIONS (PHY)

Large table listing call options for NYMEX Natural Gas. Columns include contract month (e.g., DEC18), price, volume, and interest. Rows list various strike prices and their corresponding market data.

Table listing call options for JAN19. Columns include contract month, price, volume, and interest. Rows list various strike prices and their corresponding market data.

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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 #223@

ENERGY OPTIONS

Fri, Nov 16, 2018 PG63

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Table with columns: ON CALL, GLOBEX OPEN, NYMEX NATURAL GAS OPTIONS (PHY), 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 JAN19 and FEB19 data for various contract months.

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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 FEB19, MAR19, APR19, and MAY19 contracts for NYMEX NATURAL GAS OPTIONS (PHY).

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PRELIMINARY

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ENERGY OPTIONS

Fri, Nov 16, 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 months from MAY19 to 3850.

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ENERGY OPTIONS

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Table with columns: ON 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 DEC18, JAN19, FEB19.

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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 FEB19 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 NYMEX NATURAL GAS OPTIONS (PHY) for months OCT19, NOV19, DEC19, JAN20, FEB20, MAR20 and NYMEX ONE DAY NATURAL GAS OPTIONS for 16NOV18. Includes sub-totals and a large OB CALL section for NYMEX RBOB (PHY) OPTIONS from DEC18 to 21100.

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Table with columns: OB 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 JAN19, FEB19, MAR19, APR19, MAY19, JUN19, JUL19, and OB PUT DEC18.

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PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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 PMA OOF, JAN19, FEB19, MAR19, JUL19, AUG19, OCT19, NOV19, JAN21, FEB21, MAR21, APR21, MAY21, JUN21, JUL21, AUG21, SEP21, OCT21, NOV21, DEC21, RA CALL, NOV18, DEC18, JAN19.



PRELIMINARY

PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 2018 PG63

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RA CALL	OPEN GLOBEX	OUTCRY	OPEN GLOBEX	OUTCRY	OPEN GLOBEX	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX®	PNT	OPEN
TOTAL	OPEN	RANGE	HIGH/LOW	RANGE	HIGH/LOW	RANGE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
RBOB APO (AVERAGE PRICE) OPTIONS													
RA CALL													
TOTAL													30
FEB19													
21200	----	----	----	----	----	----	0.0074 + 0.0007	.0633	----	----	----	----	3
22000	----	----	----	----	----	----	0.0045 + 0.0004	.0410	----	----	----	----	10
22500	----	----	----	----	----	----	0.0033 + 0.0003	.0311	----	----	----	----	5
23000	----	----	----	----	----	----	0.0024 + 0.0002	.0234	----	----	----	----	4
23500	----	----	----	----	----	----	0.0017 + 0.0001	.0171	----	----	----	----	4
24000	----	----	----	----	----	----	0.0012 + 0.0001	.0125	----	----	----	----	4
TOTAL													30
RBOB APO (AVERAGE PRICE) OPTIONS													
RA PUT													
NOV18													
15000	----	----	----	----	----	----	0.0001 UNCH	.0052	----	----	----	----	50
TOTAL													50
DEC18													
15000	----	----	----	----	----	----	0.0340 - 0.0103	.3113	----	----	----	----	50
TOTAL													50
JAN19													
16500	----	----	----	----	----	----	0.1333 - 0.0175	.6045	----	----	----	----	25
TOTAL													25
RBOB CRACK SPRD OPTIONS													
RX CALL													
APR19													
1800	----	----	----	----	----	----	0.02 + 0.00	.5060	----	----	----	----	2
TOTAL													2
SAN JUAN PIPE OPTION													
PJ CALL													
DEC18													
2250	----	----	----	----	----	----	0.8697 + 0.1806	.9739	----	----	----	----	180
3400	----	----	----	----	----	----	0.1330 + 0.0535	.3541	----	----	----	----	124
3750	----	----	----	----	----	----	0.0662 + 0.0289	.1977	----	----	----	----	124
TOTAL													428
JAN19													
2250	----	----	----	----	----	----	1.2468 + 0.2014	.9697	----	----	----	----	180
3250	----	----	----	----	----	----	0.5611 + 0.1466	.6472	----	----	----	----	248
3400	----	----	----	----	----	----	0.4995 + 0.1367	.5947	----	----	----	----	124
3500	----	----	----	----	----	----	0.4633 + 0.1307	.5616	----	----	----	----	124
3750	----	----	----	----	----	----	0.3836 + 0.1132	.4855	----	----	----	----	155
TOTAL													831
FEB19													
2250	----	----	----	----	----	----	1.1245 + 0.1869	.9115	----	----	----	----	180
3150	----	----	----	----	----	----	0.6075 + 0.1524	.6304	----	----	----	----	168
3250	----	----	----	----	----	----	0.5710 + 0.1485	.6016	----	----	----	----	224
3400	----	----	----	----	----	----	0.5211 + 0.1415	.5608	----	----	----	----	112
3500	----	----	----	----	----	----	0.4910 + 0.1366	.5353	----	----	----	----	112
3750	----	----	----	----	----	----	0.4266 + 0.1260	.4773	----	----	----	----	112
TOTAL													908
MAR19													
2250	----	----	----	----	----	----	0.5980 + 0.1533	.7027	----	----	----	----	180
TOTAL													180
WTI CRUDE OIL 1 M CSO FIN													
7A CALL													
DEC18													
0	----	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 5200
25	----	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 200
50	----	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 8125
75	----	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 1600
80	----	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 1000
100	----	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 4200
125	----	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 250
150	----	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 1500
TOTAL													0 - 22075
JAN19													
- 15	----	----	----	----	----	----	0.07 + 0.01	.4136	----	----	----	----	3000
- 5	----	----	----	----	----	----	0.04 UNCH	.2657	----	----	----	----	5000
0	----	----	----	----	----	----	0.03 UNCH	.2081	----	----	----	----	1500
50	----	----	----	----	----	----	0.01 UNCH	.0515	----	----	----	----	5500
75	----	----	----	----	----	----	0.01 UNCH	.0414	----	----	----	----	1750
100	----	----	----	----	----	----	0.01 UNCH	.0350	----	----	----	----	7000
TOTAL													23750
FEB19													
- 15	----	----	----	----	----	----	0.12 + 0.02	.4539	----	----	----	----	3000
- 5	----	----	----	----	----	----	0.08 + 0.02	.3426	----	----	----	----	5000
0	----	----	----	----	----	----	0.07 + 0.02	.3000	----	----	----	----	1000
50	----	----	----	----	----	----	0.02 + 0.01	.0844	----	----	----	----	1250
75	----	----	----	----	----	----	0.01 UNCH	.0429	----	----	----	----	1750
100	----	----	----	----	----	----	0.01 UNCH	.0363	----	----	----	----	2000
TOTAL													14000
MAR19													
- 15	----	----	----	----	----	----	0.14 + 0.01	.4689	----	----	----	----	3000
- 5	----	----	----	----	----	----	0.10 + 0.01	.3695	----	----	----	----	5000
0	----	----	----	----	----	----	0.09 + 0.01	.3304	----	----	----	----	1000
50	----	----	----	----	----	----	0.02 UNCH	.0857	----	----	----	----	1250
75	----	----	----	----	----	----	0.01 UNCH	.0437	----	----	----	----	1750
100	----	----	----	----	----	----	0.01 UNCH	.0369	----	----	----	----	2000
TOTAL													14000
APR19													
- 15	----	----	----	----	----	----	0.16 + 0.02	.4724	----	----	----	----	3000
- 5	----	----	----	----	----	----	0.12 + 0.02	.3841	----	----	----	----	5000
50	----	----	----	----	----	----	0.03 UNCH	.1093	----	----	----	----	1250
75	----	----	----	----	----	----	0.02 UNCH	.0695	----	----	----	----	1750
100	----	----	----	----	----	----	0.01 UNCH	.0364	----	----	----	----	1000
TOTAL													12000
MAY19													
- 15	----	----	----	----	----	----	0.20 + 0.02	.5000	----	----	----	----	3000
- 5	----	----	----	----	----	----	0.15 + 0.01	.4188	----	----	----	----	5000
50	----	----	----	----	----	----	0.05 + 0.01	.1505	----	----	----	----	1250
75	----	----	----	----	----	----	0.03 UNCH	.0924	----	----	----	----	1750
100	----	----	----	----	----	----	0.02 UNCH	.0606	----	----	----	----	1000
TOTAL													12000
JUN19													
- 15	----	----	----	----	----	----	0.24 + 0.04	.5459	----	----	----	----	3000
- 5	----	----	----	----	----	----	0.19 + 0.03	.4694	----	----	----	----	5000
50	----	----	----	----	----	----	0.07 + 0.01	.1883	----	----	----	----	1250
75	----	----	----	----	----	----	0.05 + 0.01	.1308	----	----	----	----	1750
100	----	----	----	----	----	----	0.04 + 0.01	.0983	----	----	----	----	1000
TOTAL													12000
JUL19													
75	----	----	----	----	----	----	0.05 UNCH	.1310	----	----	----	----	500

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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 7A CALL, 7A PUT, WA CALL and various months from AUG19 to DEC19.

WA CALL DEC18 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.

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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
WTI CRUDE OIL 1MO CAL SPRD OPTIONS												
WA CALL DEC18												
15	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 1000
25	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 1125
35	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 500
45	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 200
50	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 7500
55	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 400
65	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 200
70	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 1000
75	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 1250
80	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 1450
90	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 500
100	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 7000
125	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 2350
150	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 1100
TOTAL												0 - 33025
JAN19												
- 25	----	----	----	----	----	0.12 + 0.02	.5863	----	----	----	----	1000 UNCH
- 15	----	----	----	----	----	0.07 + 0.01	.4136	----	----	150	----	2150 UNCH
- 10	----	----	----	----	----	0.05 UNCH	.3288	----	----	----	----	2000 UNCH
0	----	----	----	----	----	0.03 UNCH	.2081	----	----	----	----	3700 UNCH
10	----	----	----	----	----	0.02 UNCH	.1370	----	----	----	----	200 UNCH
25	----	----	----	----	----	0.01 UNCH	.0696	----	----	----	----	250 UNCH
50	----	----	----	----	----	0.01 UNCH	.0515	----	----	----	----	2700 UNCH
75	----	----	----	----	----	0.01 UNCH	.0414	----	----	----	----	3100 UNCH
100	----	----	----	----	----	0.01 UNCH	.0350	----	----	----	----	5000 UNCH
TOTAL											150	20100
FEB19												
- 25	----	----	----	----	----	0.17 + 0.02	.5694	----	----	----	----	1000 UNCH
- 15	----	----	----	----	----	0.12 + 0.02	.4539	----	----	150	----	2150 UNCH
- 10	----	----	----	----	----	0.10 + 0.02	.3983	----	----	----	----	2000 UNCH
0	----	----	----	----	----	0.07 + 0.02	.3000	----	----	----	----	3650 UNCH
25	----	----	----	----	----	0.04 + 0.01	.1641	----	----	----	----	250 UNCH
50	----	----	----	----	----	0.02 + 0.01	.0844	----	----	----	----	650 UNCH
75	----	----	----	----	----	0.01 UNCH	.0429	----	----	----	----	3100 UNCH
100	----	----	----	----	----	0.01 UNCH	.0363	----	----	----	----	3000 UNCH
TOTAL											150	15800
MAR19												
- 25	----	----	----	----	----	0.19 + 0.01	.5730	----	----	----	----	1000 UNCH
- 15	----	----	----	----	----	0.14 + 0.01	.4689	----	----	150	----	2150 UNCH
- 10	----	----	----	----	----	0.12 + 0.01	.4189	----	----	----	----	2000 UNCH
0	----	----	----	----	----	0.09 + 0.01	.3304	----	----	----	----	3650 UNCH
25	----	----	----	----	----	0.04 + 0.01	.1667	----	----	----	----	250 UNCH
50	----	----	----	----	----	0.02 UNCH	.0857	----	----	----	----	650 UNCH
75	----	----	----	----	----	0.01 UNCH	.0437	----	----	----	----	3100 UNCH
100	----	----	----	----	----	0.01 UNCH	.0369	----	----	----	----	3000 UNCH
TOTAL											150	15800
APR19												
- 25	----	----	----	----	----	0.21 + 0.02	.5647	----	----	----	----	1000 UNCH
- 15	----	----	----	----	----	0.16 + 0.02	.4724	----	----	----	----	2500 UNCH
- 10	----	----	----	----	----	0.14 + 0.02	.4279	----	----	----	----	1200 UNCH
0	----	----	----	----	----	0.10 + 0.01	.3399	----	----	----	----	3450 UNCH
25	----	----	----	----	----	0.02 UNCH	.0695	----	----	----	----	3350 UNCH
50	----	----	----	----	----	0.01 UNCH	.0364	----	----	----	----	3000 UNCH
TOTAL												14500
MAY19												
- 25	----	----	----	----	----	0.25 + 0.01	.5811	----	----	----	----	1000 UNCH
- 15	----	----	----	----	----	0.20 + 0.02	.5000	----	----	----	----	2500 UNCH
- 10	----	----	----	----	----	0.17 + 0.01	.4587	----	----	----	----	1200 UNCH
0	----	----	----	----	----	0.13 + 0.01	.3792	----	----	----	----	3450 UNCH
25	----	----	----	----	----	0.03 UNCH	.0924	----	----	----	----	3350 UNCH
50	----	----	----	----	----	0.02 UNCH	.0606	----	----	----	----	3000 UNCH
TOTAL												14500
JUN19												
- 25	----	----	----	----	----	0.29 + 0.03	.6259	----	----	----	----	1000 UNCH
- 15	----	----	----	----	----	0.24 + 0.04	.5459	----	----	----	----	2500 UNCH
- 10	----	----	----	----	----	0.21 + 0.03	.5078	----	----	----	----	1200 UNCH
0	----	----	----	----	----	0.17 + 0.03	.4323	----	----	----	----	3450 UNCH
25	----	----	----	----	----	0.05 + 0.01	.1308	----	----	----	----	3350 UNCH
50	----	----	----	----	----	0.04 + 0.01	.0983	----	----	----	----	3000 UNCH
TOTAL												14500
JUL19												
0	----	----	----	----	----	0.19 UNCH	.4382	----	----	----	----	700 UNCH
25	----	----	----	----	----	0.12 UNCH	.2963	----	----	----	----	1000 UNCH
100	----	----	----	----	----	0.03 UNCH	.0823	----	----	----	----	700 UNCH
TOTAL												2400
AUG19												
0	----	----	----	----	----	0.22 + 0.01	.4505	----	----	----	----	700 UNCH
25	----	----	----	----	----	0.14 UNCH	.3147	----	----	----	----	1000 UNCH
100	----	----	----	----	----	0.05 UNCH	.1134	----	----	----	----	700 UNCH
TOTAL												2400
SEP19												
0	----	----	----	----	----	0.23 UNCH	.4630	----	----	----	----	700 UNCH
25	----	----	----	----	----	0.14 - 0.01	.3209	----	----	----	----	1000 UNCH
100	----	----	----	----	----	0.05 UNCH	.1148	----	----	----	----	700 UNCH
TOTAL												2400
OCT19												
0	----	----	----	----	----	0.23 UNCH	.4744	----	----	----	----	700 UNCH
25	----	----	----	----	----	0.14 UNCH	.3274	----	----	----	----	1000 UNCH
100	----	----	----	----	----	0.04 UNCH	.1017	----	----	----	----	700 UNCH
TOTAL												2400
NOV19												
0	----	----	----	----	----	0.25 + 0.01	.4819	----	----	----	----	700 UNCH
25	----	----	----	----	----	0.17 + 0.01	.3489	----	----	----	----	1000 UNCH
100	----	----	----	----	----	0.06 UNCH	.1298	----	----	----	----	700 UNCH
TOTAL												2400
DEC19												
0	----	----	----	----	----	0.29 + 0.01	.5301	----	----	----	----	800 UNCH
25	----	----	----	----	----	0.18 UNCH	.3829	----	----	----	----	1100 UNCH
100	----	----	----	----	----	0.07 UNCH	.1482	----	----	----	----	700 UNCH
TOTAL												2600
WTI CRUDE OIL 1MO CAL SPRD OPTIONS												
WA PUT DEC18												
- 150	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 250
- 100	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 2150
- 50	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 1700
- 40	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 1100
- 25	----	----	----	----	----	0.00 - 0.01	----	----	----	----	----	0 - 7125
- 15	----	----	----	----	----	0.07 - 0.01	1.0000	3700	----	----	----	0 - 3700
- 10	----	----	----	----	----	0.12 - 0.01	1.0000	250	----	----	----	0 - 250
0	----	----	----	----	----	0.22 - 0.01	1.0000	9260	----	----	----	0 - 9260
5	----	----	----	----	----	0.27 - 0.01	1.0000	100	----	----	----	0 - 100
15	----	----	----	----	----	0.32 - 0.01	1.0000	100	----	----	----	0 - 100
20	----	----	----	----	----	0.37 - 0.01						



PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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.

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
WTI CRUDE OIL IMO CAL SPRD OPTIONS												
DEC18						0.62 - 0.01	1.0000	1000				0 - 1000
40	----	----	----	----	----	0.67 - 0.01	1.0000	500	----	----	----	0 - 500
45	----	----	----	----	----	0.72 - 0.01	1.0000	3050	----	----	----	0 - 3050
50	----	----	----	----	----							0 - 37235
TOTAL												
JAN19						0.02 - 0.01	.1705				150	400 + 150
- 40	----	----	----	----	----	0.05 UNCH	.3288					150 UNCH
- 30	----	----	----	----	----	0.07 UNCH	.4136					8075 UNCH
- 25	----	----	----	----	----	0.09 - 0.01	.5000					100 UNCH
- 20	----	----	----	----	----	0.12 - 0.01	.5863					4200 UNCH
- 15	----	----	----	----	----	0.15 - 0.02	.6711					1200 UNCH
- 10	----	----	----	----	----	0.23 - 0.02	.7918					5700 UNCH
0	----	----	----	----	----	0.46 - 0.02	.9304					2100 UNCH
25	----	----	----/0.47A	----/0.47A	----	0.71 - 0.02	.9485					100 UNCH
50	----	----									150	22025 + 150
TOTAL												
FEB19						0.06 + 0.01	.2743				150	400 + 150
- 40	----	----	----	----	----	0.09 + 0.01	.3743					150 UNCH
- 30	----	----	----	----	----	0.11 + 0.01	.4305					7750 UNCH
- 25	----	----	----	----	----	0.16 + 0.01	.5460					1500 UNCH
- 15	----	----	----	----	----	0.19 + 0.01	.6016					1000 UNCH
- 10	----	----	----	----	----	0.26 + 0.01	.6999					6050 UNCH
0	----	----	----	----	----	0.43 UNCH	.8253					100 UNCH
20	----	----	----	----	----	0.48 UNCH	.8358					2100 UNCH
25	----	----	----	----	----	0.71 UNCH	.9155					400 UNCH
50	----	----	----	----	----						150	19450 + 150
TOTAL												
MAR19						0.07 + 0.02	.2857				150	400 + 150
- 40	----	----	----	----	----	0.10 + 0.01	.3762					150 UNCH
- 30	----	----	----	----	----	0.12 + 0.01	.4269					7750 UNCH
- 25	----	----	----	----	----	0.17 + 0.01	.5310					1500 UNCH
- 15	----	----	----	----	----	0.20 + 0.01	.5810					1000 UNCH
- 10	----	----	----	----	----	0.27 + 0.01	.6695					5950 UNCH
0	----	----	----	----	----	0.43 + 0.01	.8019					100 UNCH
20	----	----	----	----	----	0.47 + 0.01	.8332					2100 UNCH
25	----	----	----	----	----	0.70 UNCH	.9142					400 UNCH
50	----	----	----	----	----						150	19350 + 150
TOTAL												
APR19						0.01 UNCH	.0472					700 UNCH
- 100	----	----	----	----	----	0.14 + 0.02	.4352					8850 UNCH
- 25	----	----	----	----	----	0.22 + 0.02	.5720					1200 UNCH
- 10	----	----	----	----	----	0.28 + 0.01	.6600					3750 UNCH
0	----	----	----	----	----	0.49 + 0.01	.7971					1400 UNCH
25	----	----	----	----	----	0.70 UNCH	.9148					1200 UNCH
50	----	----	----	----	----							17100
TOTAL												
MAY19						0.01 UNCH	.0463					700 UNCH
- 100	----	----	----	----	----	0.15 + 0.01	.4188					8850 UNCH
- 25	----	----	----	----	----	0.22 + 0.01	.5412					1200 UNCH
- 10	----	----	----	----	----	0.28 + 0.01	.6207					3750 UNCH
0	----	----	----	----	----	0.47 + 0.01	.7747					1400 UNCH
25	----	----	----	----	----	0.69 + 0.01	.8669					1000 UNCH
50	----	----	----	----	----							16900
TOTAL												
JUN19						0.01 UNCH	.0443					700 UNCH
- 100	----	----	----	----	----	0.06 + 0.02	.2080					100 UNCH
- 50	----	----	----	----	----	0.13 + 0.01	.3740					8850 UNCH
- 25	----	----	----	----	----	0.20 + 0.01	.4921					1200 UNCH
- 10	----	----	----	----	----	0.26 + 0.01	.5676					3750 UNCH
0	----	----	----	----	----	0.45 UNCH	.7125					9400 UNCH
25	----	----	----	----	----	0.65 - 0.01	.8255					1000 UNCH
50	----	----	----	----	----							25000
TOTAL												
JUL19						0.02 UNCH	.0712					700 UNCH
- 100	----	----	----	----	----	0.05 UNCH	.1497					500 UNCH
- 75	----	----	----	----	----	0.09 UNCH	.2482					500 UNCH
- 50	----	----	----	----	----	0.16 UNCH	.3907					7500 UNCH
- 25	----	----	----	----	----	0.28 UNCH	.5617					1950 UNCH
0	----	----	----	----	----	0.46 UNCH	.7036					9150 UNCH
25	----	----	----	----	----	0.66 UNCH	.8114					500 UNCH
50	----	----	----	----	----							20800
TOTAL												
AUG19						0.03 UNCH	.0917					700 UNCH
- 100	----	----	----	----	----	0.05 - 0.01	.1486					500 UNCH
- 75	----	----	----	----	----	0.10 UNCH	.2565					500 UNCH
- 50	----	----	----	----	----	0.18 UNCH	.3951					7500 UNCH
- 25	----	----	----/*0.17A	----/*0.17A	----	0.30 UNCH	.5494					1950 UNCH
0	----	----	----/*0.29A	----/*0.29A	----	0.46 - 0.01	.6852					9150 UNCH
25	----	----	----	----	----	0.67 - 0.01	.7859					500 UNCH
50	----	----	----	----	----							20800
TOTAL												
SEP19						0.03 UNCH	.0906					700 UNCH
- 100	----	----	----	----	----	0.06 UNCH	.1613					500 UNCH
- 75	----	----	----	----	----	0.10 UNCH	.2519					500 UNCH
- 50	----	----	----	----	----	0.17 UNCH	.3821					10500 UNCH
- 25	----	----	----	----	----	0.29 UNCH	.5369					1950 UNCH
0	----	----	----	----	----	0.44 - 0.01	.6790					1150 UNCH
25	----	----	----	----	----	0.65 UNCH	.7824					500 UNCH
50	----	----	----	----	----							15800
TOTAL												
OCT19						0.03 - 0.01	.0895					700 UNCH
- 100	----	----	----	----	----	0.06 UNCH	.1590					500 UNCH
- 75	----	----	----	----	----	0.10 - 0.01	.2475					500 UNCH
- 50	----	----	----	----	----	0.17 - 0.01	.3740					11500 UNCH
- 25	----	----	----	----	----	0.27 - 0.01	.5255					1950 UNCH
0	----	----	----	----	----	0.42 - 0.01	.6725					1150 UNCH
25	----	----	----	----	----	0.62 - 0.01	.7902					500 UNCH
50	----	----	----	----	----							16800
TOTAL												
NOV19						0.03 UNCH	.0890					700 UNCH
- 100	----	----	----	----	----	0.05 - 0.01	.1432					500 UNCH
- 75	----	----	----	----	----	0.10 UNCH	.2454					500 UNCH
- 50	----	----	----	----	----	0.17 - 0.01	.3701					11500 UNCH
- 25	----	----	----	----	----	0.28 - 0.02	.5180					1950 UNCH
0	----	----	----/0.29A	----/0.29A	----	0.44 - 0.02	.6510					1150 UNCH
25	----	----	----/*0.45A	----/*0.45A	----	0.64 - 0.02	.7570					500 UNCH
50	----	----	----	----	----							16800
TOTAL												
DEC19						0.02 UNCH	.0654					700 UNCH
- 100	----	----	----	----	----	0.03 - 0.01	.1006					500 UNCH
- 75	----	----	----	----	----	0.07 UNCH	.1958					500 UNCH
- 50	----	----	----	----	----	0.13 - 0.01	.3172					11500 UNCH
- 25	----	----	----	----	----	0.24 UNCH	.4698					2050 UNCH
0	----	----	----	----	----	0.37 - 0.01	.6171					1150 UNCH



PG63 BULLETIN #223@

ENERGY OPTIONS

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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.

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 SEP20.



PG63 BULLETIN #223@

ENERGY OPTIONS

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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
BV CALL WTI-BRENT SPREAD OPTION											
SEP20											
- 400	----	----	----	----	0.55 - 0.02	.1977	----	----	----	----	50 UNCH
TOTAL											50
OCT20											
- 400	----	----	----	----	0.57 - 0.03	.2027	----	----	----	----	50 UNCH
TOTAL											50
NOV20											
- 400	----	----	----	----	0.60 - 0.02	.2092	----	----	----	----	50 UNCH
TOTAL											50
DEC20											
- 400	----	----	----	----	0.59 - 0.03	.2092	----	----	----	----	50 UNCH
TOTAL											50
BV PUT WTI-BRENT SPREAD OPTION											
JAN19											
-1200	----	----	----	----	0.08 UNCH	.0991	----	----	----	----	400 UNCH
-1100	----	----	----	----	0.20 + 0.01	.2402	----	----	----	----	200 UNCH
-1000	----	0.57B/----	0.57B/----	----	0.52 + 0.05	.5275	----	----	----	----	1200 UNCH
- 900	----	1.29B/----	1.29B/----	----	1.23 + 0.10	.8043	----	----	----	----	200 UNCH
- 600	----	----	----	----	4.09 + 0.14	.9878	----	----	----	----	45 UNCH
- 500	----	----	----	----	5.09 + 0.14	.9898	----	----	----	----	1250 UNCH
- 450	----	----	----	----	5.59 + 0.14	.9906	----	----	----	----	250 UNCH
- 400	----	----	----	----	6.08 + 0.14	.9912	----	----	----	----	100 UNCH
- 300	----	----	----	----	7.08 + 0.14	.9923	----	----	----	----	350 UNCH
- 250	----	----	----	----	7.58 + 0.14	.9927	----	----	----	----	300 UNCH
TOTAL											4295
FEB19											
-1400	----	----	----	----	0.05 UNCH	.0487	----	----	----	----	1000 UNCH
-1200	----	----	----	----	0.27 + 0.02	.2062	----	----	----	----	1000 UNCH
-1100	----	----	----	----	0.51 + 0.04	.3465	----	----	----	----	1950 UNCH
-1000	----	0.87B/----	0.87B/----	----	0.91 + 0.07	.5289	----	----	----	----	750 UNCH
- 600	----	----	----	----	4.17 + 0.15	.9680	----	----	----	----	45 UNCH
- 500	----	----	----	----	5.15 + 0.16	.9883	----	----	----	----	1250 UNCH
- 450	----	----	----	----	5.65 + 0.16	.9891	----	----	----	----	250 UNCH
- 400	----	----	----	----	6.14 + 0.16	.9898	----	----	----	----	100 UNCH
- 300	----	----	----	----	7.14 + 0.16	.9910	----	----	----	----	350 UNCH
- 250	----	----	----	----	7.64 + 0.16	.9943	----	----	----	----	300 UNCH
TOTAL											6995
MAR19											
-1500	----	----	----	----	0.11 UNCH	.0722	----	----	----	----	1500 UNCH
-1200	----	----	----	----	0.46 + 0.03	.2599	----	----	----	----	3124 UNCH
-1100	----	----	----	----	0.72 + 0.05	.3764	----	----	----	----	750 UNCH
-1000	----	----	----	----	1.11 + 0.08	.5215	----	----	----	----	750 UNCH
- 900	----	1.58B/----	1.58B/----	----	1.67 + 0.11	.6749	----	----	----	----	1050 UNCH
- 600	----	----	----	----	4.19 + 0.18	.9405	----	----	----	----	1045 UNCH
- 500	----	----	----	----	5.15 + 0.18	.9720	----	----	----	----	1250 UNCH
- 450	----	----	----	----	5.63 + 0.18	.9825	----	----	----	----	250 UNCH
- 400	----	----	----	----	6.12 + 0.17	.9895	----	----	----	----	100 UNCH
- 300	----	----	----	----	7.12 + 0.18	.9907	----	----	----	----	350 UNCH
- 250	----	----	----	----	7.61 + 0.18	.9941	----	----	----	----	300 UNCH
TOTAL											10469
APR19											
-1000	----	1.13B/----	1.13B/----	----	1.16 + 0.08	.5129	----	----	----	----	300 UNCH
- 600	----	----	----	----	4.17 + 0.16	.9340	----	----	----	----	45 UNCH
- 500	----	----	----	----	5.12 + 0.16	.9533	----	----	----	----	1250 UNCH
- 450	----	----	----	----	5.60 + 0.17	.9885	----	----	----	----	250 UNCH
- 400	----	----	----	----	6.09 + 0.17	.9692	----	----	----	----	100 UNCH
- 300	----	----	----	----	7.06 + 0.17	.9852	----	----	----	----	350 UNCH
- 250	----	----	----	----	7.56 + 0.17	.9901	----	----	----	----	300 UNCH
TOTAL											2595
MAY19											
-1000	----	----	----	----	1.23 + 0.07	.5039	----	----	----	----	300 UNCH
- 600	----	----	----	----	4.18 + 0.15	.9012	----	----	----	----	45 UNCH
- 500	----	----	----	----	5.10 + 0.15	.9295	----	----	----	----	1250 UNCH
- 450	----	----	----	----	5.56 + 0.15	.9736	----	----	----	----	250 UNCH
- 400	----	----	----	----	6.04 + 0.15	.9589	----	----	----	----	100 UNCH
- 300	----	----	----	----	7.01 + 0.16	.9786	----	----	----	----	350 UNCH
- 250	----	----	----	----	7.50 + 0.16	.9850	----	----	----	----	300 UNCH
TOTAL											2595
JUN19											
-1800	----	----	----	----	0.03 + 0.01	.0200	----	----	----	----	500 UNCH
-1300	----	----	----	----	0.43 + 0.03	.2040	----	----	----	----	1750 UNCH
-1000	----	----	----	----	1.40 + 0.06	.4932	----	----	----	----	1550 UNCH
- 800	----	----	----	----	2.58 + 0.10	.7076	----	----	----	----	100 UNCH
- 600	----	----	----	----	4.15 + 0.12	.8645	----	----	----	----	45 UNCH
- 500	----	----	----	----	5.03 + 0.12	.9164	----	----	----	----	1250 UNCH
- 450	----	----	----	----	5.49 + 0.13	.9610	----	----	----	----	250 UNCH
- 400	----	----	----	----	5.96 + 0.13	.9490	----	----	----	----	100 UNCH
- 300	----	----	----	----	6.91 + 0.13	.9719	----	----	----	----	350 UNCH
- 250	----	----	----	----	7.40 + 0.14	.9797	----	----	----	----	300 UNCH
TOTAL											6195
JUL19											
-1000	----	----	----	----	1.29 + 0.06	.4791	----	----	----	----	300 UNCH
- 600	----	----	----	----	4.02 + 0.13	.8783	----	----	----	----	45 UNCH
- 500	----	----	----	----	4.92 + 0.14	.9074	----	----	----	----	1250 UNCH
- 450	----	----	----	----	5.38 + 0.14	.9547	----	----	----	----	250 UNCH
- 400	----	----	----	----	5.84 + 0.13	.9396	----	----	----	----	100 UNCH
- 300	----	----	----	----	6.80 + 0.15	.9654	----	----	----	----	350 UNCH
- 250	----	----	----	----	7.27 + 0.13	.9744	----	----	----	----	300 UNCH
TOTAL											2595
AUG19											
-1250	----	----	----	----	0.51 NEW	.2268	----	----	----	2000	2000 + 2000
-1000	----	----	----	----	1.28 + 0.04	.4585	----	----	----	----	300 UNCH
- 600	----	----	----	----	3.89 + 0.13	.8514	----	----	----	----	45 UNCH
- 500	----	----	----	----	4.75 + 0.13	.8910	----	----	----	----	1250 UNCH
- 450	----	----	----	----	5.20 + 0.13	.9432	----	----	----	----	250 UNCH
- 400	----	----	----	----	5.66 + 0.12	.9300	----	----	----	----	100 UNCH
- 300	----	----	----	----	6.60 + 0.12	.9589	----	----	----	----	350 UNCH
- 250	----	----	----	----	7.07 + 0.11	.9692	----	----	----	----	300 UNCH
TOTAL										2000	4595 + 2000
SEP19											
-1000	----	----	----	----	1.28 + 0.04	.4380	----	----	----	----	300 UNCH
- 600	----	----	----	----	3.73 + 0.08	.8264	----	----	----	----	45 UNCH
- 500	----	----	----	----	4.57 + 0.09	.8691	----	----	----	----	1250 UNCH
- 450	----	----	----	----	5.01 + 0.08	.9233	----	----	----	----	250 UNCH
- 400	----	----	----	----	5.48 + 0.10	.9068	----	----	----	----	100 UNCH
- 300	----	----	----	----	6.41 + 0.10	.9822	----	----	----	----	350 UNCH
- 250	----	----	----	----	6.88 + 0.10	.9883	----	----	----	----	300 UNCH
TOTAL											2595
OCT19											
-1000	----	----	----	----	1.27 + 0.03	.4217	----	----	----	----	300 UNCH
- 600	----	----	----	----	3.62 + 0.07	.7993	----	----	----	----	45 UNCH
- 500	----	----	----	----	4.43 + 0.08	.8493	----	----	----	----	1250 UNCH
- 450	----	----	----	----	4.86 + 0.08	.9019	----	----	----	----	250 UNCH
- 400	----	----	----	----	5.30 + 0.08	.8951	----	----	----	----	100 UNCH
- 300	----	----	----	----	6.21 + 0.08	.9818	----	----	----	----	350 UNCH
- 250	----	----	----	----	6.69 + 0.09	.9881	----	----	----	----	300 UNCH



PG63 BULLETIN #223@

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 NOV19 to DEC20 with various price and volume data.



PRELIMINARY

PG63 BULLETIN #223@

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OPTIONS EOO'S AND BLOCKS

PRODUCT	STRIKE PRICE	EOO VOLUME	BLOCK VOLUME
HDD DALLAS C HDD U.S. WEATHER OPTIONS			
DEC18 CALL			
15	655	0	50
TOTALS		0	50
HDD DALLAS P HDD U.S. WEATHER OPTIONS			
DEC18 PUT			
15	455	0	50
TOTALS		0	50
LO CALL NYMEX CRUDE OIL OPTIONS (PHY)			
JAN19 CALL			
LO	6000	0	300
LO	6100	0	500
LO	6150	0	200
TOTALS		0	1000
FEB19 CALL			
LO	6000	0	400
LO	6500	0	500
TOTALS		0	900
MAR19 CALL			
LO	5800	0	750
LO	6000	0	250
LO	6200	0	300
TOTALS		0	1300
APR19 CALL			
LO	6000	0	100
TOTALS		0	100
JUN19 CALL			
LO	5800	0	200
LO	6000	0	1000
TOTALS		0	1200
SEP19 CALL			
LO	5700	0	250
LO	5800	0	1150
LO	5900	0	100
LO	6200	0	200
TOTALS		0	1700
OCT19 CALL			
LO	8200	0	700
TOTALS		0	700
DEC19 CALL			
LO	5800	0	600
LO	5900	0	100
LO	5950	0	300
LO	6000	0	1300
LO	7500	0	100
LO	8000	0	1100
LO	8250	0	400
LO	10000	0	1000
LO	10500	0	1000
TOTALS		0	5900
JUN20 CALL			
LO	5900	0	300
TOTALS		0	300
LO PUT NYMEX CRUDE OIL OPTIONS (PHY)			
JAN19 PUT			
LO	5000	0	1100
LO	5500	0	1750
TOTALS		0	2850
FEB19 PUT			
LO	4800	0	100
LO	5300	0	100
TOTALS		0	200
MAR19 PUT			
LO	5700	0	100
LO	5800	0	250
TOTALS		0	350
JUN19 PUT			
LO	4000	0	1000
LO	4800	0	900
LO	5000	0	3100
LO	5200	0	150
LO	5800	0	700
TOTALS		0	5850
SEP19 PUT			
LO	5000	0	800
LO	5800	0	850
TOTALS		0	1650
DEC19 PUT			
LO	3100	0	350
LO	3500	0	1500
LO	3600	0	350
LO	4500	0	200
LO	5000	0	500
LO	5200	0	100
TOTALS		0	3000
DEC20 PUT			
LO	3000	0	100
LO	5500	0	50
TOTALS		0	150
ON CALL NYMEX NATURAL GAS OPTIONS (PHY)			
APR19 CALL			
ON	3500	0	90
TOTALS		0	90
JUL19 CALL			
ON	4250	0	5000
TOTALS		0	5000
OH CALL NYMEX HEATING OIL (PHY) OPTIONS			
JAN19 CALL			
OH	21500	0	100

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OH		22000	0	10
TOTALS			0	110
FEB19	CALL	22000	0	10
OH			0	10
TOTALS			0	10
MAR19	CALL	21500	0	100
OH		22000	0	10
OH		24000	0	100
TOTALS			0	210
APR19	CALL	22000	0	10
OH		23000	0	100
TOTALS			0	110
MAY19	CALL	21000	0	150
OH		24000	0	225
TOTALS			0	375
DEC19	CALL	23000	0	50
OH			0	50
TOTALS			0	50

OH PUT NYMEX HEATING OIL (PHY) OPTIONS				
JAN19	PUT	20000	0	100
OH			0	100
TOTALS			0	100
FEB19	PUT	17500	0	300
OH		20000	0	150
TOTALS			0	450
JUN19	PUT	17000	0	1200
OH		20000	0	600
TOTALS			0	1800

OB CALL NYMEX RBOB (PHY) OPTIONS				
FEB19	CALL	16600	0	100
OB			0	100
TOTALS			0	100

WA CALL WTI CRUDE OIL 1MO CAL SPRD OPTIONS				
JAN19	CALL	-15	0	150
WA			0	150
TOTALS			0	150
FEB19	CALL	-15	0	150
WA			0	150
TOTALS			0	150
MAR19	CALL	-15	0	150
WA			0	150
TOTALS			0	150

WA PUT WTI CRUDE OIL 1MO CAL SPRD OPTIONS				
JAN19	PUT	-40	0	150
WA			0	150
TOTALS			0	150
FEB19	PUT	-40	0	150
WA			0	150
TOTALS			0	150
MAR19	PUT	-40	0	150
WA			0	150
TOTALS			0	150

LC CALL NYMEX CRUDE OIL (EURO) OPTS (PHY)				
DEC23	CALL	6500	0	339
LC			0	339
TOTALS			0	339

LN CALL NYMEX NATURAL GAS (EURO) OPTS				
DEC18	CALL	3000	0	700
LN		3250	0	300
LN		3400	0	1000
LN		3650	0	700
LN		3700	0	550
LN		3750	0	700
LN		3900	0	550
LN		4000	0	300
LN		4100	0	25
LN		4500	0	1150
LN		4750	0	600
LN		4800	0	250
LN		5000	0	425
LN		5500	0	75
LN		5750	0	100
LN		6000	0	50
TOTALS			0	7475

JAN19 CALL				
LN		3250	0	900
LN		3300	0	75
LN		3400	0	75
LN		3500	0	300
LN		4000	0	1375
LN		4150	0	200
LN		4250	0	200
LN		4500	0	600
LN		4700	0	25
LN		4900	0	75
LN		5000	0	3000
LN		5250	0	100
LN		5500	0	1950
LN		6000	0	400
LN		6500	0	200
LN		8000	0	100
TOTALS			0	9575

FEB19 CALL				
LN		3200	0	850
LN		3450	0	100
LN		3500	0	550
LN		3750	0	250
LN		4000	0	100
LN		4250	0	50
LN		4500	0	775



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LN	4750	0	500
LN	4850	0	75
LN	5000	0	250
LN	5500	0	800
LN	6000	0	1100
LN	8000	0	800
LN	8250	0	29
TOTALS		0	6229

MAR19	CALL		
LN	2850	0	500
LN	3000	0	700
LN	3050	0	150
LN	3250	0	1200
LN	3300	0	100
LN	3500	0	550
LN	3750	0	500
LN	3800	0	250
LN	4000	0	2259
LN	4500	0	350
LN	4750	0	750
LN	5000	0	500
LN	5500	0	1100
LN	6000	0	800
LN	8000	0	490
LN	10000	0	100
TOTALS		0	10299

APR19	CALL		
LN	2750	0	25
LN	2800	0	200
LN	3000	0	3750
LN	3200	0	31
LN	3250	0	950
LN	3500	0	90
LN	3700	0	50
LN	4000	0	200
LN	4250	0	3300
TOTALS		0	8596

MAY19	CALL		
LN	2950	0	12
LN	3000	0	1450
LN	3250	0	1150
TOTALS		0	2612

JUN19	CALL		
LN	3000	0	750
TOTALS		0	750

JUL19	CALL		
LN	2900	0	300
LN	3000	0	461
TOTALS		0	761

AUG19	CALL		
LN	3000	0	250
TOTALS		0	250

SEP19	CALL		
LN	3000	0	250
TOTALS		0	250

OCT19	CALL		
LN	3000	0	250
TOTALS		0	250

NOV19	CALL		
LN	3000	0	100
LN	3250	0	850
TOTALS		0	950

DEC19	CALL		
LN	3000	0	100
TOTALS		0	100

LN PUT			
DEC18	PUT		
LN	2600	0	200
LN	3000	0	500
LN	3250	0	10775
LN	3350	0	50
LN	3500	0	4601
LN	3600	0	4001
LN	3750	0	1200
LN	3850	0	100
LN	3900	0	350
LN	4000	0	1015
LN	4050	0	100
LN	4100	0	275
TOTALS		0	23167

JAN19	PUT		
LN	2200	0	8150
LN	2400	0	5150
LN	2500	0	2050
LN	3000	0	100
LN	3250	0	75
LN	3300	0	75
LN	3500	0	550
LN	3600	0	50
LN	3750	0	800
LN	4000	0	375
LN	4150	0	200
LN	4250	0	300
TOTALS		0	17875

FEB19	PUT		
LN	2250	0	1000
LN	2500	0	250
LN	3000	0	1975
LN	3200	0	200
LN	3250	0	550
LN	3500	0	200
LN	3750	0	50
LN	3900	0	50
TOTALS		0	4275

MAR19	PUT		
LN	2000	0	3500
LN	2150	0	1000
LN	2250	0	700
LN	2400	0	1201
LN	2500	0	2425
LN	2600	0	200
LN	2700	0	500
LN	2750	0	850
LN	2850	0	900



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LN	3000	0	1800
LN	3050	0	150
LN	3250	0	250
LN	3500	0	325
LN	3600	0	50
TOTALS		0	13851

APR19	PUT		
LN	2000	0	2
LN	2300	0	750
LN	2500	0	1200
LN	2600	0	125
LN	2750	0	25
LN	2800	0	200
TOTALS		0	2302

MAY19	PUT		
LN	2250	0	900
LN	2300	0	250
LN	2500	0	275
LN	2600	0	1500
TOTALS		0	2925

JUN19	PUT		
LN	2500	0	650
LN	2600	0	125
TOTALS		0	775

JUL19	PUT		
LN	2400	0	500
LN	2500	0	150
LN	2600	0	125
TOTALS		0	775

AUG19	PUT		
LN	2500	0	150
LN	2600	0	125
TOTALS		0	275

SEP19	PUT		
LN	2500	0	150
LN	2600	0	125
TOTALS		0	275

OCT19	PUT		
LN	2500	0	150
LN	2600	0	125
TOTALS		0	275

NOV19	PUT		
LN	2600	0	100
TOTALS		0	100

DEC19	PUT		
LN	2600	0	100
TOTALS		0	100

JAN20	PUT		
LN	2000	0	300
LN	2500	0	150
TOTALS		0	450

FEB20	PUT		
LN	2000	0	300
LN	2500	0	150
TOTALS		0	450

MAR20	PUT		
LN	2000	0	300
LN	2500	0	150
TOTALS		0	450

APR20	PUT		
LN	2000	0	300
LN	2500	0	150
TOTALS		0	450

MAY20	PUT		
LN	2000	0	300
LN	2500	0	150
TOTALS		0	450

JUN20	PUT		
LN	2000	0	300
LN	2500	0	150
TOTALS		0	450

JUL20	PUT		
LN	2000	0	300
LN	2500	0	150
TOTALS		0	450

AUG20	PUT		
LN	2000	0	300
LN	2500	0	150
TOTALS		0	450

SEP20	PUT		
LN	2000	0	300
LN	2500	0	150
TOTALS		0	450

OCT20	PUT		
LN	2000	0	300
LN	2500	0	150
TOTALS		0	450

NOV20	PUT		
LN	2000	0	300
LN	2500	0	150
TOTALS		0	450

DEC20	PUT		
LN	2000	0	300
LN	2500	0	150
TOTALS		0	450

KD PUT NYMEX ONE DAY NATURAL GAS OPTIONS

NOV18	PUT		
KD	4000	0	150
TOTALS		0	150

BE PUT BRENT EURO STYLE OPTION

JUN19	PUT		
BE	6700	0	2000
BE	6900	0	1000
BE	7100	0	500
TOTALS		0	3500

BV CALL WTI-BRENT SPREAD OPTION

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AUG19	CALL			
BV		-700	0	2000
TOTALS			0	2000

BV	PUT	WTI-BRENT SPREAD OPTION		
AUG19	PUT			
BV		-1250	0	2000
TOTALS			0	2000

7A	PUT	WTI CRUDE OIL 1 M CSO FIN		
APR19	PUT			
7A		-50	0	1000
TOTALS			0	1000

MAY19	PUT			
7A		-50	0	1000
TOTALS			0	1000

JUN19	PUT			
7A		-50	0	1000
TOTALS			0	1000

G4	CALL	NATURAL GAS 1 M CSO FIN		
DEC18	CALL			
G4		0	0	5200
TOTALS			0	5200

FEB19	CALL			
G4		300	0	100
G4		400	0	500
G4		500	0	100
TOTALS			0	700

MAR19	CALL			
G4		250	0	3000
G4		500	0	3250
G4		1000	0	2000
G4		2000	0	600
TOTALS			0	8850

G4	PUT	NATURAL GAS 1 M CSO FIN		
MAR19	PUT			
G4		250	0	100
TOTALS			0	100

E7	CALL	HENRY HUB FINANCIAL LAST DAY 0		
JAN19	CALL			
E7		450	0	6
TOTALS			0	6

FEB19	CALL			
E7		450	0	3
TOTALS			0	3

MAR19	CALL			
E7		450	0	9
TOTALS			0	9

APR19	CALL			
E7		300	0	6
TOTALS			0	6

MAY19	CALL			
E7		300	0	4
TOTALS			0	4

JUN19	CALL			
E7		300	0	5
TOTALS			0	5

JUL19	CALL			
E7		300	0	7
TOTALS			0	7

AUG19	CALL			
E7		300	0	8
TOTALS			0	8

SEP19	CALL			
E7		300	0	6
TOTALS			0	6

OCT19	CALL			
E7		300	0	1
TOTALS			0	1

NOV19	CALL			
E7		325	0	4
TOTALS			0	4

DEC19	CALL			
E7		325	0	6
TOTALS			0	6

JAN20	CALL			
E7		325	0	5
TOTALS			0	5

FEB20	CALL			
E7		325	0	4
TOTALS			0	4

MAR20	CALL			
E7		325	0	6
TOTALS			0	6

APR20	CALL			
E7		275	0	4
TOTALS			0	4

MAY20	CALL			
E7		275	0	5
TOTALS			0	5

JUN20	CALL			
E7		275	0	5
TOTALS			0	5

JUL20	CALL			
E7		275	0	5
TOTALS			0	5

AUG20	CALL			
E7		275	0	5
TOTALS			0	5

SEP20	CALL			
E7		275	0	5
TOTALS			0	5



PG63 BULLETIN #223@

ENERGY OPTIONS

Fri, Nov 16, 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.

OCT20	CALL			
E7		275	0	4
TOTALS			0	4
NOV20	CALL			
E7		300	0	4
TOTALS			0	4

E7 PUT		HENRY HUB FINANCIAL	LAST DAY	O
FEB19	PUT			
E7		250	0	1
TOTALS			0	1
MAR19	PUT			
E7		250	0	2
TOTALS			0	2
MAY19	PUT			
E7		200	0	2
TOTALS			0	2
JUN19	PUT			
E7		200	0	2
TOTALS			0	2
JUL19	PUT			
E7		200	0	3
TOTALS			0	3
AUG19	PUT			
E7		200	0	3
TOTALS			0	3
SEP19	PUT			
E7		200	0	2
TOTALS			0	2
NOV19	PUT			
E7		200	0	2
TOTALS			0	2
DEC19	PUT			
E7		200	0	3
TOTALS			0	3
JAN20	PUT			
E7		200	0	2
TOTALS			0	2
FEB20	PUT			
E7		200	0	2
TOTALS			0	2
MAR20	PUT			
E7		200	0	3
TOTALS			0	3
APR20	PUT			
E7		200	0	1
TOTALS			0	1
MAY20	PUT			
E7		200	0	1
TOTALS			0	1
JUN20	PUT			
E7		200	0	1
TOTALS			0	1
JUL20	PUT			
E7		200	0	1
TOTALS			0	1
AUG20	PUT			
E7		200	0	1
TOTALS			0	1
SEP20	PUT			
E7		200	0	1
TOTALS			0	1
OCT20	PUT			
E7		200	0	1
TOTALS			0	1
NOV20	PUT			
E7		200	0	1
TOTALS			0	1

CVR CALL		CHICAGO ETHANOL (PLATTS) APO		
DEC18	CALL			
CVR		13500	0	10
TOTALS			0	10

CVR PUT		CHICAGO ETHANOL (PLATTS) APO		
DEC18	PUT			
CVR		11500	0	10
TOTALS			0	10

BZO CALL		BRENT CRUDE OIL FUT MARGIN OPT		
JAN19	CALL			
BZO		7000	0	300
BZO		7100	0	300
BZO		7200	0	75
TOTALS			0	675
JUN19	CALL			
BZO		7400	0	200
TOTALS			0	200

BZO PUT		BRENT CRUDE OIL FUT MARGIN OPT		
JAN19	PUT			
BZO		6150	0	300
BZO		6600	0	75
TOTALS			0	375
JUN19	PUT			
BZO		6200	0	200
BZO		6300	0	500
TOTALS			0	700
DEC20	PUT			
BZO		4500	0	500
BZO		6600	0	250
TOTALS			0	750