



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

PRICE INDICATOR KEY

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

ENERGY OPTIONS ON FUTURES

GLOBAL OPEN	OPEN OUTCRY OPEN RANGE	GLOBAL HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT. PRICE & PT. CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBAL VOLUME	PNT VOLUME	OPEN INTEREST
BCO OPT 3.5%FUEL OIL RDAM CRACK SPREAD APO											
JAN20	----	----	----	----	2.245 + 0.053	.3301	----	----	----	----	2
-2000C	----	----	----	----			----	----	----	----	2
TOTAL											2
FEB20	----	----	----	----	2.482 + 0.081	.3482	----	----	----	----	2
-2000C	----	----	----	----			----	----	----	----	2
TOTAL											2
MAR20	----	----	----	----	2.683 + 0.101	.3579	----	----	----	----	2
-2000C	----	----	----	----			----	----	----	----	2
TOTAL											2
APR20	----	----	----	----	2.526 + 0.114	.3543	----	----	----	----	2
-2000C	----	----	----	----			----	----	----	----	2
TOTAL											2
MAY20	----	----	----	----	2.682 + 0.136	.3595	----	----	----	----	2
-2000C	----	----	----	----			----	----	----	----	2
TOTAL											2
JUN20	----	----	----	----	2.837 + 0.163	.3637	----	----	----	----	2
-2000C	----	----	----	----			----	----	----	----	2
TOTAL											2
JUL20	----	----	----	----	2.553 + 0.180	.3520	----	----	----	----	2
-2000C	----	----	----	----			----	----	----	----	2
TOTAL											2
AUG20	----	----	----	----	2.621 + 0.204	.3502	----	----	----	----	2
-2000C	----	----	----	----			----	----	----	----	2
TOTAL											2
SEP20	----	----	----	----	2.664 + 0.223	.3467	----	----	----	----	2
-2000C	----	----	----	----			----	----	----	----	2
TOTAL											2
OCT20	----	----	----	----	2.661 + 0.233	.3394	----	----	----	----	2
-2000C	----	----	----	----			----	----	----	----	2
TOTAL											2
NOV20	----	----	----	----	2.641 + 0.246	.3308	----	----	----	----	2
-2000C	----	----	----	----			----	----	----	----	2
TOTAL											2
DEC20	----	----	----	----	2.580 + 0.255	.3190	----	----	----	----	2
-2000C	----	----	----	----			----	----	----	----	2
TOTAL											2
BA CALL BRENT AVERAGE PRICE OPTION											
MAY19	----	----	----	----	0.01 UNCH	.0043	----	----	----	----	95
8500	----	----	----	----	0.01 UNCH	----	----	----	----	----	75
9750	----	----	----	----	0.01 UNCH	----	----	----	----	----	25
9850	----	----	----	----	0.01 UNCH	----	----	----	----	----	12
11500	----	----	----	----			----	----	----	----	207
TOTAL											207
JUN19	----	----	----	----	0.11 - 0.29	.0571	----	----	----	----	120
7385	----	----	----	----	0.03 - 0.06	.0165	----	----	----	----	110
7750	----	----	----	----	0.01 UNCH	.0046	----	----	----	----	115
8500	----	----	----	----	0.01 UNCH	.0000	----	----	----	----	75
9750	----	----	----	----	0.01 UNCH	.0000	----	----	----	----	25
9850	----	----	----	----	0.01 UNCH	.0000	----	----	----	----	12
11500	----	----	----	----	0.01 UNCH	----	----	----	----	----	457
TOTAL											457
JUL19	----	----	----	----	0.05 - 0.05	.0174	----	----	----	----	110
8500	----	----	----	----	0.01 - 0.01	.0033	----	----	----	----	75
9750	----	----	----	----	0.01 - 0.01	.0027	----	----	----	----	25
9850	----	----	----	----	0.01 UNCH	.0000	----	----	----	----	11
11500	----	----	----	----			----	----	----	----	221
TOTAL											221
AUG19	----	----	----	----	0.14 - 0.09	.0375	----	----	----	----	110
8525	----	----	----	----	0.04 - 0.02	.0107	----	----	----	----	75
9750	----	----	----	----	0.04 - 0.02	.0105	----	----	----	----	25
9850	----	----	----	----	0.01 - 0.01	.0026	----	----	----	----	11
11500	----	----	----	----			----	----	----	----	221
TOTAL											221
SEP19	----	----	----	----	0.26 - 0.12	.0585	----	----	----	----	115
8500	----	----	----	----	0.08 - 0.03	.0185	----	----	----	----	75
9750	----	----	----	----	0.08 - 0.02	.0182	----	----	----	----	25
9850	----	----	----	----	0.03 UNCH	.0066	----	----	----	----	10
11500	----	----	----	----			----	----	----	----	225
TOTAL											225
OCT19	----	----	----	----	0.39 - 0.16	.0779	----	----	----	----	115
8450	----	----	----	----	0.12 - 0.03	.0254	----	----	----	----	75
9750	----	----	----	----	0.11 - 0.03	.0233	----	----	----	----	25
9850	----	----	----	----	0.03 - 0.02	.0066	----	----	----	----	10
11500	----	----	----	----			----	----	----	----	225
TOTAL											225
NOV19	----	----	----	----	0.44 - 0.18	.0856	----	----	----	----	120
8375	----	----	----	----	0.06 - 0.02	.0147	----	----	----	----	75
9750	----	----	----	----	0.05 - 0.02	.0125	----	----	----	----	25
9850	----	----	----	----	0.01 UNCH	.0026	----	----	----	----	9
11500	----	----	----	----			----	----	----	----	229
TOTAL											229
DEC19	----	----	----	----	0.11 - 0.04	.0247	----	----	----	----	350
9500	----	----	----	----	0.08 - 0.03	.0184	----	----	----	----	75
9750	----	----	----	----	0.07 - 0.03	.0163	----	----	----	----	25
9850	----	----	----	----	0.03 - 0.01	.0075	----	----	----	----	350
10500	----	----	----	----	0.01 UNCH	.0026	----	----	----	----	9
11500	----	----	----	----			----	----	----	----	809
TOTAL											809
JAN20	----	----	----	----	3.07 - 0.95	.3561	----	----	----	----	125
7045	----	----	----	----	0.23 - 0.07	.0428	----	----	----	----	350
9500	----	----	----	----	0.11 - 0.01	.0212	----	----	----	----	350
10500	----	----	----	----	0.07 UNCH	.0132	----	----	----	----	9
11500	----	----	----	----			----	----	----	----	834
TOTAL											834
FEB20	----	----	----	----	3.37 - 0.85	.3656	----	----	----	----	125
7045	----	----	----	----	0.21 - 0.04	.0399	----	----	----	----	350
9500	----	----	----	----	0.08 - 0.01	.0165	----	----	----	----	350
10500	----	----	----	----	0.05 UNCH	.0100	----	----	----	----	8
11500	----	----	----	----			----	----	----	----	833
TOTAL											833
MAR20	----	----	----	----	3.53 - 0.83	.3693	----	----	----	----	125
7045	----	----	----	----			----	----	----	----	UNCH

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



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 contract months from MAR20 to JUN22.

2019 DAILY INFORMATION BULLETIN - <http://www.cmegroup.com/dailybulletin>
CME Group, Inc.
20 South Wacker Drive, Chicago, Illinois 60606-7499.
Customer Service: (312) 930-1000



FINAL

PG63 BULLETIN # 99@ ENERGY OPTIONS Thu, May 23, 2019 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.

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.

GLOBAL OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
BA CALL	BRENT AVERAGE PRICE OPTION										
TOTAL											4
JUL22					1.12 + 0.27	.1047	----	----	----	----	4 UNCH
TOTAL											4
AUG22					1.15 + 0.28	.1066	----	----	----	----	4 UNCH
TOTAL											4
SEP22					1.20 + 0.32	.1098	----	----	----	----	4 UNCH
TOTAL											4
OCT22					0.94 + 0.20	.0928	----	----	----	----	4 UNCH
TOTAL											4
NOV22					0.96 + 0.18	.0941	----	----	----	----	3 UNCH
TOTAL											3
DEC22					1.01 + 0.23	.0975	----	----	----	----	3 UNCH
TOTAL											3
JAN23					1.05 + 0.22	.1002	----	----	----	----	3 UNCH
TOTAL											3
FEB23					1.07 + 0.22	.1015	----	----	----	----	3 UNCH
TOTAL											3
MAR23					1.13 + 0.23	.1054	----	----	----	----	3 UNCH
TOTAL											3
APR23					2.25 + 0.35	.1664	----	----	----	----	3 UNCH
TOTAL											3
MAY23					2.27 + 0.32	.1674	----	----	----	----	3 UNCH
TOTAL											3
JUN23					2.32 + 0.34	.1697	----	----	----	----	3 UNCH
TOTAL											3
JUL23					2.37 + 0.35	.1720	----	----	----	----	3 UNCH
TOTAL											3
AUG23					2.42 + 0.39	.1743	----	----	----	----	3 UNCH
TOTAL											3
SEP23					2.46 + 0.36	.1762	----	----	----	----	3 UNCH
TOTAL											3
OCT23					2.35 + 0.38	.1711	----	----	----	----	3 UNCH
TOTAL											3
BA PUT	BRENT AVERAGE PRICE OPTION										
MAY19					0.01	UNCH	.0024	----	----	----	12 UNCH
TOTAL											12
JUN19					2.32 + 1.60	.5834	----	----	----	----	120 UNCH
TOTAL											120
JAN20					6.77 + 1.90	.4868	----	----	----	----	125 UNCH
TOTAL											125
FEB20					7.22 + 1.97	.4880	----	----	----	----	125 UNCH
TOTAL											125
MAR20					7.60 + 1.96	.4898	----	----	----	----	125 UNCH
TOTAL											125
APR20					7.39 + 1.81	.4690	----	----	----	----	125 UNCH
TOTAL											125
MAY20					7.69 + 1.81	.4723	----	----	----	----	125 UNCH
TOTAL											125
JUN20					7.97 + 1.74	.4748	----	----	----	----	125 UNCH
TOTAL											125
JUL20					7.85 + 1.60	.4612	----	----	----	----	130 UNCH
TOTAL											130
AUG20					8.17 + 1.61	.4637	----	----	----	----	130 UNCH
TOTAL											130
SEP20					8.40 + 1.62	.4668	----	----	----	----	130 UNCH
TOTAL											130
OCT20					8.95 + 1.66	.4804	----	----	----	----	110 UNCH
TOTAL											110
NOV20					9.16 + 1.74	.4756	----	----	----	----	110 UNCH
TOTAL											110
DEC20					11.14 + 1.93	.5367	----	----	----	----	65 UNCH
TOTAL					12.06 + 2.00	.5662	----	----	----	----	65 UNCH
JAN21					11.97 + 1.95	.5564	----	----	----	----	50 UNCH
TOTAL											50
FEB21					12.16 + 1.90	.5575	----	----	----	----	50 UNCH
TOTAL											50
MAR21											

2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin
CME Group, Inc.
20 South Wacker Drive, Chicago, Illinois 60606-7499.
Customer Service: (312) 930-1000



FINAL

PG63 BULLETIN # 99@ ENERGY OPTIONS Thu, May 23, 2019 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.

BA PUT	OPEN	OUTCRY	OPEN RANGE	GLOBEX HIGH/LOW	OPTION	OPEN HIGH/LOW	OUTCRY CLOSE	OUTCRY RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
BRENT AVERAGE PRICE OPTION															
MAR21	----	----	----	----	----	----	----	----	12.37 + 1.85	.5581	----	----	----	----	50 UNCH
6700	----	----	----	----	----	----	----	----							50 UNCH
TOTAL															
APR21	----	----	----	----	----	----	----	----	12.12 + 1.82	.5442	----	----	----	----	60 UNCH
6625	----	----	----	----	----	----	----	----							60 UNCH
TOTAL															
MAY21	----	----	----	----	----	----	----	----	12.32 + 1.80	.5441	----	----	----	----	60 UNCH
6625	----	----	----	----	----	----	----	----							60 UNCH
TOTAL															
JUN21	----	----	----	----	----	----	----	----	12.50 + 1.79	.5445	----	----	----	----	60 UNCH
6625	----	----	----	----	----	----	----	----							60 UNCH
TOTAL															
JUL21	----	----	----	----	----	----	----	----	12.38 + 1.76	.5353	----	----	----	----	50 UNCH
6575	----	----	----	----	----	----	----	----							50 UNCH
TOTAL															
AUG21	----	----	----	----	----	----	----	----	12.11 + 1.72	.5219	----	----	----	----	50 UNCH
6500	----	----	----	----	----	----	----	----							50 UNCH
TOTAL															
SEP21	----	----	----	----	----	----	----	----	12.26 + 1.69	.5224	----	----	----	----	50 UNCH
6500	----	----	----	----	----	----	----	----							50 UNCH
TOTAL															
OCT21	----	----	----	----	----	----	----	----	12.31 + 1.63	.5245	----	----	----	----	50 UNCH
6500	----	----	----	----	----	----	----	----							50 UNCH
TOTAL															
NOV21	----	----	----	----	----	----	----	----	12.47 + 1.65	.5236	----	----	----	----	60 UNCH
6500	----	----	----	----	----	----	----	----							60 UNCH
TOTAL															
BRENT CRUDE OIL 1 M CSO FIN															
JUL19	----	----	----	----	----	----	----	----	0.76 + 0.26	.8770	----	----	----	----	1000 UNCH
50	----	----	----	----	----	----	----	----	0.61 + 0.26	.8242	----	----	----	----	1000 UNCH
65	----	----	----	----	----	----	----	----							2000 UNCH
TOTAL															
AUG19	----	----	----	----	----	----	----	----	0.45 + 0.07	.9290	----	----	----	----	1000 UNCH
50	----	----	----	----	----	----	----	----	0.32 + 0.07	.8261	----	----	----	----	1000 UNCH
65	----	----	----	----	----	----	----	----							2000 UNCH
TOTAL															
SEP19	----	----	----	----	----	----	----	----	0.36 UNCH	.8072	----	----	----	----	750 UNCH
35	----	----	----	----	----	----	----	----	0.32 UNCH	.7693	----	----	----	----	750 UNCH
40	----	----	----	----	----	----	----	----	0.25 + 0.01	.6757	----	----	----	----	1000 UNCH
50	----	----	----	----	----	----	----	----	0.15 UNCH	.5229	----	----	----	----	1000 UNCH
65	----	----	----	----	----	----	----	----							3500 UNCH
TOTAL															
OCT19	----	----	----	----	----	----	----	----	0.24 - 0.01	.6092	----	----	----	----	750 UNCH
35	----	----	----	----	----	----	----	----	0.21 UNCH	.5645	----	----	----	----	750 UNCH
40	----	----	----	----	----	----	----	----	0.15 UNCH	.4708	----	----	----	----	1000 UNCH
50	----	----	----	----	----	----	----	----	0.09 - 0.01	.3304	----	----	----	----	1000 UNCH
65	----	----	----	----	----	----	----	----							3500 UNCH
TOTAL															
NOV19	----	----	----	----	----	----	----	----	0.17 - 0.01	.5000	----	----	----	----	750 UNCH
35	----	----	----	----	----	----	----	----	0.15 - 0.01	.4541	----	----	----	----	750 UNCH
40	----	----	----	----	----	----	----	----	0.11 - 0.01	.3655	----	----	----	----	1000 UNCH
50	----	----	----	----	----	----	----	----	0.08 UNCH	.2681	----	----	----	----	1000 UNCH
65	----	----	----	----	----	----	----	----							3500 UNCH
TOTAL															
DEC19	----	----	----	----	----	----	----	----	0.17 - 0.02	.4740	----	----	----	----	750 UNCH
35	----	----	----	----	----	----	----	----	0.15 - 0.02	.4321	----	----	----	----	750 UNCH
40	----	----	----	----	----	----	----	----	0.12 - 0.01	.3573	----	----	----	----	1000 UNCH
50	----	----	----	----	----	----	----	----	0.07 - 0.01	.2451	----	----	----	----	1000 UNCH
65	----	----	----	----	----	----	----	----							3500 UNCH
TOTAL															
JAN20	----	----	----	----	----	----	----	----	0.17 - 0.01	.4589	----	----	----	----	750 UNCH
35	----	----	----	----	----	----	----	----	0.16 UNCH	.4230	----	----	----	----	750 UNCH
40	----	----	----	----	----	----	----	----							1500 UNCH
TOTAL															
FEB20	----	----	----	----	----	----	----	----	0.17 - 0.01	.4325	----	----	----	----	750 UNCH
35	----	----	----	----	----	----	----	----	0.15 - 0.02	.3962	----	----	----	----	750 UNCH
40	----	----	----	----	----	----	----	----							1500 UNCH
TOTAL															
BRENT CRUDE OIL 1 M CSO FIN															
JUL19	----	----	----	----	----	----	----	----	0.01 UNCH	.0271	----	----	----	----	1000 UNCH
0	----	----	----	----	----	----	----	----							1000 UNCH
TOTAL															
AUG19	----	----	----	----	----	----	----	----	0.01 UNCH	.0420	----	----	----	----	1000 UNCH
0	----	----	----	----	----	----	----	----							1000 UNCH
TOTAL															
SEP19	----	----	----	----	----	----	----	----	0.01 UNCH	.0545	----	----	----	----	1000 UNCH
0	----	----	----	----	----	----	----	----							1000 UNCH
TOTAL															
OCT19	----	----	----	----	----	----	----	----	0.01 UNCH	.0424	----	----	----	----	1000 UNCH
- 50	----	----	----	----	----	----	----	----	0.04 UNCH	.1592	----	----	----	----	100 UNCH
0	----	----	----	----	----	----	----	----	0.07 UNCH	.2478	----	----	----	----	250 UNCH
15	----	----	----	----	----	----	----	----							1350 UNCH
TOTAL															
NOV19	----	----	----	----	----	----	----	----	0.01 UNCH	.0467	----	----	----	----	1000 UNCH
- 50	----	----	----	----	----	----	----	----	0.08 + 0.01	.2525	----	----	----	----	100 UNCH
0	----	----	----	----	----	----	----	----	0.12 + 0.01	.3477	----	----	----	----	250 UNCH
15	----	----	----	----	----	----	----	----							1350 UNCH
TOTAL															
DEC19	----	----	----	----	----	----	----	----	0.02 + 0.01	.0765	----	----	----	----	1000 UNCH
- 50	----	----	----	----	----	----	----	----	0.08 + 0.01	.2617	----	----	----	----	100 UNCH
0	----	----	----	----	----	----	----	----	0.13 + 0.02	.3692	----	----	----	----	250 UNCH
15	----	----	----	----	----	----	----	----							1350 UNCH
TOTAL															
BRENT CRUDE OIL FUT MARGIN OPT															
JUL19	----	----	----	----	----	----	----	----	13.77 - 3.23	1.0000	----	----	----	----	100 UNCH
5400	----	----	----	----	----	----	----	----	12.27 - 3.23	1.0000	----	----	----	----	100 UNCH
5550	----	----	----	----	----	----	----	----	8.78 - 3.22	.9924	----	----	----	----	100 UNCH
5900	----	----	----	----	----	----	----	----	6.79 - 3.21	.9860	----	----	----	----	100 UNCH
6100	----	----	----	----	----	----	----	----	6.30 - 3.20	.9808	----	----	----	----	200 UNCH
6150	----	----	----	----	----	----	----	----	5.81 - 3.19	.9750	----	----	----	----	125 UNCH
6200	----	----	----	----	----	----	----	----	4.83 - 3.18	.9614	----	----	----	----	200 UNCH
6300	----	----	----	----	----	----	----	----	2.94 - 3.09	.8859	----	----	----	----	314 UNCH
6500	----	----	----	----	----	----	----	----							

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 BZO CALL, BRENT CRUDE OIL, FUT MARGIN OPT, JUL19, AUG19, SEP19.

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.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 BZ0 CALL SEP19, OCT19, NOV19, DEC19, MAR20, JUN20, DEC20, and BZ0 PUT JUL19.

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. © Copyright CME Group Inc. All rights reserved.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include BZ0 PUT, BRENT CRUDE OIL, FUT MARGIN OPT, JUL19, AUG19, SEP19.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX®	PNT	OPEN
OPEN	RANGE	HIGH/LOW	HIGH/LOW	CLOSE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
								VOLUME			
BZ0 PUT											
SEP19											
7000	----	6.38B/----	6.38B/----	----	6.03 + 2.40	.6800	----	----	----	----	500 UNCH
7050	----	6.75B/----	6.75B/----	----	6.39 + 2.49	.7008	----	----	----	----	9 UNCH
7100	----	7.13B/----	7.13B/----	----	6.76 + 2.57	.7209	----	----	----	----	32 UNCH
7250	----	7.22B/----	7.22B/----	----	7.93 + 2.79	.7759	----	----	----	----	11 UNCH
7350	----	7.19B/----	7.19B/----	----	8.76 + 2.92	.8073	----	----	----	----	10 UNCH
7500	----	----	----	----	10.06 + 3.08	.8471	----	----	----	----	200 UNCH
TOTAL											
									1009		12932 + 310
OCT19											
5000	----	0.57B/----	0.57B/----	----	0.53 + 0.26	.0806	----	----	----	----	400 UNCH
5500	----	1.21B/----	1.21B/----	----	1.12 + 0.54	.1606	----	----	----	----	555 UNCH
5800	----	1.86B/----	1.86B/----	----	1.71 + 0.80	.2326	----	----	----	----	50 UNCH
6000	----	2.42B/----	2.42B/----	----	2.24 + 1.01	.2917	----	----	----	----	1350 UNCH
6100	----	2.75B/----	2.75B/----	----	2.55 + 1.13	.3243	----	----	----	----	18 UNCH
6200	----	3.11B/----	3.11B/----	----	2.89 + 1.25	.3588	----	----	----	----	25 UNCH
6300	----	3.50B/----	3.50B/----	----	3.27 + 1.39	.3951	----	----	----	----	100 UNCH
6350	----	3.72B/----	3.72B/----	----	3.47 + 1.46	.4138	----	----	----	----	400 UNCH
6900	----	#6.72B/----	#6.72B/----	----	6.42 + 2.29	.6289	----	----	----	----	217 UNCH
TOTAL											
											3115
DEC19											
2350	----	----	----	----	0.02 + 0.01	.0023	----	----	----	----	50 UNCH
2500	----	----	----	----	0.02 + 0.01	.0025	----	----	----	----	500 UNCH
3400	----	0.08B/----	0.08B/----	----	0.09 + 0.04	.0119	----	----	----	----	50 UNCH
3500	----	0.10B/----	0.10B/----	----	0.11 + 0.05	.0144	----	----	----	----	400 UNCH
3600	----	0.12B/----	0.12B/----	----	0.13 + 0.06	.0170	----	----	----	----	500 UNCH
3900	----	0.20B/----	0.20B/----	----	0.20 + 0.08	.0263	----	----	----	----	250 UNCH
4000	----	0.24B/----	0.24B/----	----	0.24 + 0.11	.0312	----	----	----	----	1488 UNCH
4400	----	0.47B/----	0.47B/----	----	0.45 + 0.21	.0565	----	----	----	----	100 UNCH
4500	----	0.55B/----	0.55B/----	----	0.53 + 0.25	.0655	----	----	----	----	850 UNCH
4800	----	0.87B/----	0.87B/----	----	0.83 + 0.38	.0981	----	----	----	----	55 UNCH
4850	----	0.93B/----	0.93B/----	----	0.89 + 0.41	.1045	----	----	----	----	54 UNCH
5000	----	1.15B/----	1.15B/----	----	1.10 + 0.50	.1258	----	----	----	----	2282 UNCH
5200	----	1.50B/----	1.50B/----	----	1.43 + 0.63	.1583	----	----	----	----	200 UNCH
5400	----	1.91B/----	1.91B/----	----	1.83 + 0.78	.1958	----	----	----	----	50 UNCH
5500	----	2.15B/----	2.15B/----	----	2.06 + 0.86	.2165	----	----	----	----	1527 UNCH
5600	----	2.41B/----	2.41B/----	----	2.31 + 0.94	.2385	----	----	----	----	100 UNCH
5800	----	3.00B/----	3.00B/----	----	2.87 + 1.12	.2860	----	----	----	----	400 UNCH
5850	----	3.16B/----	3.16B/----	----	3.02 + 1.16	.2986	----	----	----	----	21 UNCH
6000	----	3.69B/----	3.69B/----	----	3.53 + 1.32	.3385	----	----	----	----	2300 UNCH
6050	----	3.88B/----	3.88B/----	----	3.71 + 1.37	.3523	----	----	----	----	2 UNCH
6200	----	4.48B/----	4.48B/----	----	4.29 + 1.52	.3953	----	----	----	----	631 UNCH
6350	----	5.15B/----	5.15B/----	----	4.93 + 1.68	.4403	----	----	----	----	25 UNCH
6400	----	5.39B/----	5.39B/----	----	5.16 + 1.74	.4557	----	----	----	----	225 UNCH
6500	----	5.90B/----	5.90B/----	----	5.65 + 1.86	.4869	----	----	----	----	4193 UNCH
6750	----	7.26B/----	7.26B/----	----	7.03 + 2.16	.5652	----	----	----	----	650 UNCH
6800	----	7.57B/----	7.57B/----	----	7.32 + 2.21	.5811	----	----	----	----	700 UNCH
7000	----	8.65B/----	8.65B/----	----	8.63 + 2.46	.6408	----	----	----	----	602 UNCH
7200	----	9.94B/----	9.94B/----	----	10.04 + 2.66	.6974	----	----	----	----	100 UNCH
7300	----	10.01B/----	10.01B/----	----	10.79 + 2.76	.7238	----	----	----	----	6 UNCH
7400	----	9.98B/----	9.98B/----	----	11.58 + 2.85	.7477	----	----	----	----	5 UNCH
7500	----	----	----	----	12.40 + 2.94	.7695	----	----	----	----	800 UNCH
7600	----	----	----	----	13.24 + 3.03	.7897	----	----	----	----	2 UNCH
7800	----	----	----	----	14.97 + 3.16	.8257	----	----	----	----	1 UNCH
8000	----	----	----	----	16.75 + 3.24	.8567	----	----	----	----	1902 UNCH
TOTAL											
											21021
MAR20											
6000	----	----	----	----	5.03 + 1.53	.3693	----	----	----	----	250 UNCH
TOTAL											
											250
JUN20											
4600	----	----	----	----	1.80 + 0.71	.1403	----	----	----	----	300 UNCH
6000	----	----	----	----	6.08 + 1.58	.3847	----	----	----	----	200 UNCH
TOTAL											
											500
DEC20											
4000	----	----	----	----	1.39 + 0.51	.1004	----	----	----	----	200 UNCH
4500	----	----	----	----	2.41 + 0.76	.1594	----	----	----	----	900 UNCH
5000	----	----	----	----	3.78 + 0.98	.2311	----	----	----	----	200 UNCH
6600	----	----	----	----	10.89 + 1.90	.5241	----	----	----	----	250 UNCH
TOTAL											
											1550
DEC21											
4000	----	----	----	----	2.75 + 0.65	.1434	----	----	----	----	200 UNCH
5000	----	----	----	----	5.76 + 1.09	.2680	----	----	----	----	100 UNCH
TOTAL											
											300
OS CALL											
BRENT CRUDE OIL OPTIONS											
DEC19											
7000	----	----	----	----	2.68 - 1.09	.3548	----	----	----	----	50 UNCH
TOTAL											
											50
BE CALL											
BRENT EURO STYLE OPTION											
JUL19											
7150	----	----	----	----	0.10 - 0.48	.0657	----	----	----	----	1000 UNCH
7350	----	----	----	----	0.05 - 0.09	.0276	----	----	----	----	2000 UNCH
7400	----	----	----	----	0.04 - 0.06	.0214	----	----	----	----	3250 UNCH
7600	----	----	----	----	0.03 - 0.01	.0132	----	----	----	----	3500 UNCH
7750	----	----	----	----	0.02 UNCH	.0080	----	----	----	----	5000 UNCH
8000	----	----	----	----	0.01 UNCH	.0034	----	----	----	----	5 UNCH
TOTAL											
											14755
AUG19											
7350	----	----	----	----	0.37 - 0.48	.1288	----	----	----	----	1000 UNCH
7500	----	----	----	----	0.25 - 0.31	.0906	----	----	----	----	4000 UNCH
7600	----	----	----	----	0.20 - 0.22	.0733	----	----	----	----	1000 UNCH
7850	----	----	----	----	0.12 - 0.10	.0443	----	----	----	----	1000 UNCH
8000	----	----	----	----	0.09 - 0.07	.0333	----	----	----	----	2000 UNCH
8200	----	----	----	----	0.07 - 0.04	.0251	----	----	----	----	4000 UNCH
8300	----	----	----	----	0.06 - 0.03	.0214	----	----	----	----	1000 UNCH
TOTAL											
											14000
SEP19											
7800	----	----	----	----	0.36 - 0.27	.0947	----	----	----	----	1000 UNCH
8500	----	----	----	----	0.13 - 0.08	.0360	----	----	----	----	1250 UNCH
TOTAL											
											2250
OCT19											
7000	----	----	----	----	1.98 - 1.13	.3323	----	----	----	----	10 UNCH
TOTAL											
											10
DEC19											
7200	----	----	----	----	2.09 - 0.89	.2991	----	----	----	----	600 UNCH
7300	----	----	----	----	1.84 - 0.79	.2726	----	----	----	----	1000 UNCH
7600	----	----	----	----	1.30 - 0.52	.2073	----	----	----	----	1000 UNCH
7800	----	----	----	----	1.03 - 0.40	.1714	----	----	----	----	1450 UNCH
8000	----	----	----	----	0.81 - 0.32	.1404	----	----	----	----	1650 UNCH
8150	----	----	----	----	0.69 - 0.26	.1221	----	----	----	----	965 UNCH
8200	----	----	----	----	0.65 - 0.25	.1161	----	----	----	----	530 UNCH
9000	----	----	----	----	0.32 - 0.09	.0600	----	----	----	----	40 UNCH
9500	----	----	----	----	0.22 - 0.05	.0417	----	----	----	----	3000 UNCH
10000	----	----	----	----	0.16 - 0.03	.0303	----	----	----	----	500 UNCH

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



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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
BE CALL BRENT EURO STYLE OPTION											
DEC19											
10500	----	----	----	----	0.12 - 0.02	.0227	----	----	----	----	1500
11000	----	----	----	----	0.09 - 0.01	.0170	----	----	----	----	125 UNCH
TOTAL											12360
JAN20											
7500	----	----	----	----	1.66 - 0.63	.2400	----	----	----	----	1630 UNCH
7900	----	----	----	----	1.00 - 0.39	.1623	----	----	----	----	278 UNCH
8000	----	----	----	----	0.88 - 0.34	.1465	----	----	----	----	115 UNCH
TOTAL											2023
DEC20											
10000	----	----	----	----	0.41 - 0.03	.0596	----	----	----	----	500 UNCH
TOTAL											500
BE PUT BRENT EURO STYLE OPTION											
JUL19											
5000	----	----	----	----	0.01 UNCH	.0018	----	----	----	----	960 UNCH
6400	----	----	----	----	0.11 + 0.08	.0653	----	----	----	----	4000 UNCH
6600	----	----	----	----	0.32 + 0.27	.2049	----	----	----	----	1000 UNCH
6700	----	----	----	----	0.57 + 0.49	.3502	----	----	----	----	1000 UNCH
7150	----	----	----	----	3.84 + 2.75	.9342	----	----	----	----	1000 UNCH
TOTAL											7960
AUG19											
6500	----	----	----	----	1.70 + 1.10	.3819	----	----	----	----	2000 UNCH
6700	----	----	----	----	2.56 + 1.55	.5180	----	----	----	----	1000 UNCH
6800	----	----	----	----	3.11 + 1.80	.5886	----	----	----	1000	4000 UNCH
TOTAL										1000	7000
OCT19											
7000	----	----	----	----	7.06 + 2.43	.6676	----	----	----	----	10 UNCH
TOTAL											10
NOV19											
6500	----	----	----	----	4.90 + 1.77	.4846	----	----	----	----	3000 UNCH
6600	----	----	----	----	5.42 + 1.92	.5198	----	----	----	----	1000 UNCH
6650	----	----	----	----	5.68 + 1.97	.5378	----	----	----	----	1000 UNCH
TOTAL											5000
DEC19											
6100	----	----	----	----	3.85 + 1.40	.3673	----	----	----	----	1500 UNCH
6300	----	----	----	----	4.66 + 1.61	.4267	----	----	----	----	2250 UNCH
6500	----	----	----	----	5.59 + 1.84	.4894	----	----	----	----	1000 UNCH
6800	----	----	----	----	7.25 + 2.19	.5854	----	----	----	----	1000 UNCH
7000	----	----	----	----	8.54 + 2.43	.6470	----	----	----	----	875 UNCH
TOTAL											6625
JAN20											
6050	----	----	----	----	4.19 + 1.47	.3657	----	----	----	----	1310 UNCH
6150	----	----	----	----	4.59 + 1.57	.3928	----	----	----	----	3000 UNCH
6400	----	----	----	----	5.72 + 1.83	.4634	----	----	----	----	2250 UNCH
6500	----	----	----	----	6.22 + 1.94	.4924	----	----	----	----	2000 UNCH
6550	----	----	----	----	6.47 + 1.98	.5072	----	----	----	----	1500 UNCH
6850	----	----	----	----	8.19 + 2.29	.5953	----	----	----	----	1027 UNCH
7100	----	----	----	----	9.82 + 2.53	.6665	----	----	----	----	1000 UNCH
TOTAL											12087
FEB20											
5000	----	----	----	----	1.60 + 0.63	.1554	----	----	----	----	2040 UNCH
TOTAL											2040
AUG20											
5000	----	----	----	----	2.76 + 0.83	.2049	----	----	----	----	890 UNCH
TOTAL											890
CVR CALL CHICAGO ETHANOL (PLATTS) APO											
MAY19											
13500	----	----	----	----	0.0007 - 0.0014	.1592	----	----	----	----	385 UNCH
14000	----	----	----	----	0.0001 UNCH	.0092	----	----	----	----	612 UNCH
14500	----	----	----	----	0.0001 UNCH	.0000	----	----	----	----	285 UNCH
15000	----	----	----	----	0.0001 UNCH	----	----	----	----	----	330 UNCH
15500	----	----	----	----	0.0001 UNCH	----	----	----	----	----	235 UNCH
TOTAL											1847
JUN19											
13000	----	----	----	----	0.0577 - 0.0149	.7941	----	----	----	----	40 UNCH
13500	----	----	----	----	0.0258 - 0.0103	.5094	----	----	----	----	490 UNCH
14000	----	----	----	----	0.0088 - 0.0053	.2317	----	----	----	----	742 UNCH
14500	----	----	----	----	0.0023 - 0.0020	.0752	----	----	----	----	185 UNCH
15000	----	----	----	----	0.0005 - 0.0005	.0189	----	----	----	----	345 UNCH
15500	----	----	----	----	0.0001 - 0.0001	.0041	----	----	----	----	190 UNCH
TOTAL											1992
JUL19											
13500	----	----	----	----	0.0452 - 0.0108	.5544	----	----	----	----	110 UNCH
14000	----	----	----	----	0.0252 - 0.0087	.3660	----	----	----	----	445 UNCH
14500	----	----	----	----	0.0129 - 0.0059	.2170	----	----	----	25	100 + 25
TOTAL										25	655 + 25
AUG19											
14000	----	----	----	----	0.0360 - 0.0078	.4215	----	----	----	25	155 UNCH
14500	----	----	----	----	0.0218 - 0.0059	.2857	----	----	----	----	315 UNCH
TOTAL										25	470
SEP19											
14000	----	----	----	----	0.0459 - 0.0075	.4566	----	----	----	----	180 UNCH
14500	----	----	----	----	0.0296 - 0.0054	.3296	----	----	----	----	20 UNCH
TOTAL											200
OCT19											
14500	----	----	----	----	0.0352 - 0.0049	.3522	----	----	----	----	5 UNCH
15000	----	----	----	----	0.0226 - 0.0034	.2513	----	----	----	----	25 UNCH
TOTAL											30
NOV19											
14500	----	----	----	----	0.0408 - 0.0051	.3685	----	----	----	----	5 UNCH
15000	----	----	----	----	0.0275 - 0.0037	.2736	----	----	----	----	25 UNCH
TOTAL											30
DEC19											
14500	----	----	----	----	0.0459 - 0.0043	.3813	----	----	----	----	5 UNCH
15000	----	----	----	----	0.0320 - 0.0031	.2913	----	----	----	----	25 UNCH
TOTAL											30
CVR PUT CHICAGO ETHANOL (PLATTS) APO											
MAY19											
12000	----	----	----	----	0.0001 UNCH	----	----	----	----	----	100 UNCH
12500	----	----	----	----	0.0001 UNCH	----	----	----	----	----	105 UNCH
13000	----	----	----	----	0.0001 UNCH	.0113	----	----	----	----	1137 UNCH
13500	----	----	----	----	0.0082 + 0.0036	.8407	----	----	----	----	325 UNCH
14000	----	----	----	----	0.0575 + 0.0050	.9908	----	----	----	----	140 UNCH
TOTAL											1807
JUN19											
12000	----	----	----	----	0.0002 + 0.0001	.0080	----	----	----	----	100 UNCH
12500	----	----	----	----	0.0015 + 0.0006	.0512	----	----	----	----	285 UNCH
13000	----	----	----	----	0.0078 + 0.0026	.2058	----	----	----	----	757 UNCH

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

2019 DAILY INFORMATION BULLETIN - <http://www.cmegroup.com/dailybulletin>
CME Group, Inc.
20 South Wacker Drive, Chicago, Illinois 60606-7499.
Customer Service: (312) 930-1000



FINAL

PG63 BULLETIN # 99@ ENERGY OPTIONS Thu, May 23, 2019 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.

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.

GLOBAL OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
CVR PUT CHICAGO ETHANOL (PLATTS) APO											
JUN19											
13500	----	----	----	----	0.0258 + 0.0072	.4905	----	----	----	----	965 UNCH
14000	----	----	----	----	0.0587 + 0.0121	.7682	----	----	----	----	165 UNCH
TOTAL											2272
JUL19											
12500	----	----	----	----	0.0061 + 0.0016	.1179	----	----	----	----	435 UNCH
13000	----	----	----	----	0.0156 + 0.0033	.2533	----	----	----	25	85 + UNCH
13500	----	----	----	----	0.0353 + 0.0066	.4455	----	----	----	25	60 UNCH
TOTAL											580 + UNCH
AUG19											
12500	----	----	----	----	0.0098 + 0.0022	.1453	----	----	----	----	300 UNCH
13000	----	----	----	----	0.0209 + 0.0041	.2645	----	----	----	----	30 UNCH
13500	----	----	----	----	0.0390 + 0.0066	.4167	----	----	----	----	155 UNCH
TOTAL											485
SEP19											
12500	----	----	----	----	0.0122 + 0.0027	.1571	----	----	----	----	300 UNCH
13000	----	----	----	----	0.0237 + 0.0044	.2654	----	----	----	----	30 UNCH
13500	----	----	----	----	0.0412 + 0.0070	.3998	----	----	----	----	10 UNCH
TOTAL											340
OCT19											
13500	----	----	----	----	0.0469 + 0.0064	.4000	----	----	----	----	10 UNCH
TOTAL											10
NOV19											
13500	----	----	----	----	0.0526 + 0.0065	.4046	----	----	----	----	10 UNCH
TOTAL											10
DEC19											
13500	----	----	----	----	0.0577 + 0.0074	.4079	----	----	----	----	10 UNCH
TOTAL											10
CQA CALL COAL API2 ARGUS/MCCLOS QRTR OPT											
JUL19											
7800	----	----	----	----	0.01 UNCH	.0034	----	----	----	----	50 UNCH
8000	----	----	----	----	0.01 UNCH	.0014	----	----	----	----	150 UNCH
TOTAL											200
CQA PUT COAL API2 ARGUS/MCCLOS QRTR OPT											
JUL19											
7000	----	----	----	----	9.55 + 1.37	.9379	----	----	----	----	150 UNCH
TOTAL											150
CLA CALL COAL API2 ARGUS/MCCLOS CALNDR OPT											
JAN20											
7400	----	----	----	----	2.68 - 0.47	.3477	----	----	----	----	10 UNCH
8400	----	----	----	----	0.89 - 0.20	.1457	----	----	----	----	25 UNCH
9000	----	----	----	----	0.43 - 0.11	.0788	----	----	----	----	25 UNCH
TOTAL											60
CLA PUT COAL API2 ARGUS/MCCLOS CALNDR OPT											
JAN20											
6000	----	----	----	----	2.20 + 0.23	.2443	----	----	----	----	60 UNCH
6500	----	----	----	----	3.85 + 0.38	.3816	----	----	----	----	25 UNCH
7500	----	----	----	----	9.73 + 0.81	.6825	----	----	----	----	55 UNCH
8800	----	----	----	----	20.70 + 1.11	.9352	----	----	----	----	25 UNCH
9000	----	----	----	----	22.56 + 1.14	.9211	----	----	----	----	15 UNCH
TOTAL											180
MFO PUT COAL API4 FOB RCHRDS BAY ARGS MCCLO											
JUN19											
7200	----	----	----	----	5.80 + 0.35	.9368	----	----	----	----	100 UNCH
7350	----	----	----	----	7.23 + 0.37	.9775	----	----	----	----	50 UNCH
TOTAL											150
CPR CALL CONWAY PROPANE (OPIS) APO											
NOV19											
6600	----	----	----	----	0.06762 - 0.00611	.4596	----	----	----	----	5 UNCH
TOTAL											5
DEC19											
6600	----	----	----	----	0.08512 - 0.00566	.5048	----	----	----	----	5 UNCH
TOTAL											5
JAN20											
6600	----	----	----	----	0.09848 - 0.00556	.5311	----	----	----	----	5 UNCH
TOTAL											5
FEB20											
6600	----	----	----	----	0.10465 - 0.00493	.5384	----	----	----	----	5 UNCH
TOTAL											5
AO CALL CRUDE OIL APO OPTIONS											
MAY19											
4700	----	----	----	----	13.99 - 0.95	1.0000	----	----	----	----	7 UNCH
4900	----	----	----	----	11.99 - 0.95	1.0000	----	----	----	----	25 UNCH
5250	----	----	----	----	8.50 - 0.94	1.0000	----	----	----	----	300 UNCH
5500	----	----	----	----	6.00 - 0.95	1.0000	----	----	----	----	1220 UNCH
5550	----	----	----	----	5.50 - 0.95	1.0000	----	----	----	----	57 UNCH
5580	----	----	----	----	5.20 - 0.95	1.0000	----	----	----	----	5 UNCH
5600	----	----	----	----	5.00 - 0.95	1.0000	----	----	----	----	110 UNCH
5645	----	----	----	----	4.55 - 0.95	1.0000	----	----	----	----	50 UNCH
5700	----	----	----	----	4.00 - 0.95	1.0000	----	----	----	----	30 UNCH
5750	----	----	----	----	3.50 - 0.95	1.0000	----	----	----	----	60 UNCH
5800	----	----	----	----	3.00 - 0.95	1.0000	----	----	----	----	310 UNCH
5850	----	----	----	----	2.50 - 0.95	1.0000	----	----	----	----	9 UNCH
5900	----	----	----	----	2.00 - 0.95	.9998	----	----	----	----	211 UNCH
6000	----	----	----	----	1.00 - 0.95	.9666	----	----	----	----	2025 UNCH
6050	----	----	----	----	0.52 - 0.93	.9087	----	----	----	----	130 UNCH
6100	----	----	----	----	0.15 - 0.80	.5011	----	----	----	----	10 UNCH
6150	----	----	----	----	0.02 - 0.46	.0922	----	----	----	----	149 UNCH
6175	----	----	----	----	0.01 - 0.27	.0423	----	----	----	----	1 UNCH
6200	----	----	----	----	0.01 - 0.13	.0108	----	----	----	----	81 UNCH
6225	----	----	----	----	0.01 - 0.05	.0020	----	----	----	----	2 UNCH
6250	----	----	----	----	0.01 - 0.01	.0003	----	----	----	----	100 UNCH
6300	----	----	----	----	0.01 UNCH	----	----	----	----	----	50 UNCH
6345	----	----	----	----	0.01 UNCH	----	----	----	----	----	2 UNCH
6350	----	----	----	----	0.01 UNCH	----	----	----	----	----	276 UNCH
6400	----	----	----	----	0.01 UNCH	----	----	----	----	----	585 UNCH
6450	----	----	----	----	0.01 UNCH	----	----	----	----	----	32 UNCH
6500	----	----	----	----	0.01 UNCH	----	----	----	----	----	2387 UNCH
6550	----	----	----	----	0.01 UNCH	----	----	----	----	----	14 UNCH
6560	----	----	----	----	0.01 UNCH	----	----	----	----	----	62 UNCH

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



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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, and JUL19.

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. © Copyright CME Group Inc. All rights reserved.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 AO CALL, JUL19, AUG19, SEP19 with various contract months and prices.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 AO CALL SEP19, CRUDE OIL APO OPTIONS, OCT19, and NOV19.

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. © Copyright CME Group Inc. All rights reserved.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 AO CALL, NOV19, DEC19, JAN20, FEB20 with various contract specifications and volume data.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 FEB20, MAR20, APR20, and MAY20.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 JUN20, JUL20, AUG20, SEP20 and various contract numbers (e.g., 4800, 5000, 5475, 5500, 5575, 5700, 5850, 5900, 5950, 5975, 6000, 6050, 6125, 6200, 6230, 6250, 6300, 6400, 6425, 6450, 6500, 6600, 6650, 6700, 6800, 7000, 7500, 7800, 8000, 8800, 9000, 9800, 10000, 11000) and a TOTAL row for each month.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

	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	
AO CALL CRUDE OIL APO OPTIONS													
SEP20													
11000	----	----	----	----	----	0.12 - 0.01	.0206	----	----	----	----	14	UNCH
TOTAL												5048	
OCT20													
5000	----	----	----	----	----	9.71 - 1.33	.6696	----	----	----	----	10	UNCH
5475	----	----	----	----	----	7.07 - 1.09	.5657	----	----	----	----	31	UNCH
5500	----	----	----	----	----	6.94 - 1.07	.5599	----	----	----	----	125	UNCH
5575	----	----	----	----	----	6.56 - 1.03	.5425	----	----	----	----	31	UNCH
5700	----	----	----	----	----	5.94 - 0.98	.5130	----	----	----	----	25	UNCH
5900	----	----	----	----	----	5.02 - 0.87	.4649	----	----	----	----	15	UNCH
5975	----	----	----	----	----	4.71 - 0.82	.4471	----	----	----	----	51	UNCH
6000	----	----	----	----	----	4.60 - 0.81	.4409	----	----	----	----	389	UNCH
6050	----	----	----	----	----	4.40 - 0.77	.4289	----	----	----	----	45	UNCH
6125	----	----	----	----	----	4.11 - 0.72	.4110	----	----	----	----	40	UNCH
6150	----	----	----	----	----	4.02 - 0.70	.4051	----	----	----	----	8	UNCH
6200	----	----	----	----	----	3.83 - 0.68	.3930	----	----	----	----	77	UNCH
6230	----	----	----	----	----	3.73 - 0.65	.3862	----	----	----	----	8	UNCH
6250	----	----	----	----	----	3.66 - 0.64	.3815	----	----	----	----	68	UNCH
6300	----	----	----	----	----	3.49 - 0.61	.3698	----	----	----	----	107	UNCH
6400	----	----	----	----	----	3.17 - 0.54	.3469	----	----	----	----	93	UNCH
6425	----	----	----	----	----	3.10 - 0.51	.3416	----	----	----	----	40	UNCH
6500	----	----	----	----	----	2.88 - 0.47	.3249	----	----	----	----	3236	UNCH
6525	----	----	----	----	----	2.81 - 0.45	.3195	----	----	----	----	30	UNCH
6600	----	----	----	----	----	2.61 - 0.41	.3035	----	----	----	----	45	UNCH
6700	----	----	----	----	----	2.36 - 0.36	.2827	----	----	----	----	65	UNCH
7000	----	----	----	----	----	1.76 - 0.22	.2275	----	----	----	----	256	UNCH
7500	----	----	----	----	----	1.12 - 0.09	.1585	----	----	----	----	139	UNCH
7800	----	----	----	----	----	0.85 - 0.04	.1263	----	----	----	----	1	UNCH
9000	----	----	----	----	----	0.34 UNCH	.0561	----	----	----	----	1	UNCH
9800	----	----	----	----	----	0.22 UNCH	.0369	----	----	----	----	1	UNCH
10000	----	----	----	----	----	0.20 UNCH	.0336	----	----	----	----	1	UNCH
11000	----	----	----	----	----	0.13 UNCH	.0219	----	----	----	----	14	UNCH
TOTAL												4952	
NOV20													
5000	----	----	----	----	----	9.73 - 1.24	.6660	----	----	----	----	10	UNCH
5475	----	----	----	----	----	7.10 - 1.03	.5632	----	----	----	----	30	UNCH
5500	----	----	----	----	----	6.97 - 1.02	.5575	----	----	----	----	125	UNCH
5575	----	----	----	----	----	6.59 - 0.99	.5403	----	----	----	----	30	UNCH
5700	----	----	----	----	----	5.99 - 0.92	.5115	----	----	----	----	25	UNCH
5900	----	----	----	----	----	5.09 - 0.80	.4646	----	----	----	----	15	UNCH
5975	----	----	----	----	----	4.78 - 0.75	.4470	----	----	----	----	51	UNCH
6000	----	----	----	----	----	4.67 - 0.74	.4409	----	----	----	----	389	UNCH
6050	----	----	----	----	----	4.47 - 0.71	.4291	----	----	----	----	45	UNCH
6125	----	----	----	----	----	4.18 - 0.66	.4115	----	----	----	----	40	UNCH
6150	----	----	----	----	----	4.09 - 0.65	.4058	----	----	----	----	8	UNCH
6200	----	----	----	----	----	3.90 - 0.62	.3939	----	----	----	----	77	UNCH
6230	----	----	----	----	----	3.80 - 0.60	.3872	----	----	----	----	8	UNCH
6250	----	----	----	----	----	3.73 - 0.59	.3826	----	----	----	----	68	UNCH
6300	----	----	----	----	----	3.56 - 0.56	.3711	----	----	----	----	105	UNCH
6400	----	----	----	----	----	3.24 - 0.49	.3486	----	----	----	----	90	UNCH
6425	----	----	----	----	----	3.16 - 0.48	.3429	----	----	----	----	40	UNCH
6500	----	----	----	----	----	2.95 - 0.43	.3270	----	----	----	----	3236	UNCH
6525	----	----	----	----	----	2.88 - 0.41	.3216	----	----	----	----	30	UNCH
6600	----	----	----	----	----	2.68 - 0.37	.3059	----	----	----	----	45	UNCH
6700	----	----	----	----	----	2.43 - 0.33	.2855	----	----	----	----	65	UNCH
7000	----	----	----	----	----	1.82 - 0.20	.2308	----	----	----	----	256	UNCH
7500	----	----	----	----	----	1.17 - 0.08	.1623	----	----	----	----	139	UNCH
7800	----	----	----	----	----	0.90 - 0.03	.1307	----	----	----	----	1	UNCH
9000	----	----	----	----	----	0.35 UNCH	.0572	----	----	----	----	1	UNCH
9800	----	----	----	----	----	0.23 UNCH	.0382	----	----	----	----	1	UNCH
10000	----	----	----	----	----	0.21 UNCH	.0349	----	----	----	----	1	UNCH
11000	----	----	----	----	----	0.14 UNCH	.0232	----	----	----	----	13	UNCH
TOTAL												4944	
DEC20													
5000	----	----	----	----	----	9.65 - 1.20	.6610	----	----	----	----	10	UNCH
5475	----	----	----	----	----	7.04 - 1.01	.5586	----	----	----	----	31	UNCH
5500	----	----	----	----	----	6.92 - 0.99	.5530	----	----	----	----	125	UNCH
5575	----	----	----	----	----	6.54 - 0.97	.5359	----	----	----	----	31	UNCH
5700	----	----	----	----	----	5.94 - 0.91	.5071	----	----	----	----	25	UNCH
5900	----	----	----	----	----	5.06 - 0.78	.4608	----	----	----	----	15	UNCH
5975	----	----	----	----	----	4.75 - 0.73	.4433	----	----	----	----	51	UNCH
6000	----	----	----	----	----	4.65 - 0.71	.4375	----	----	----	----	389	UNCH
6050	----	----	----	----	----	4.45 - 0.68	.4258	----	----	----	----	45	UNCH
6125	----	----	----	----	----	4.17 - 0.63	.4086	----	----	----	----	40	UNCH
6150	----	----	----	----	----	4.08 - 0.62	.4030	----	----	----	----	8	UNCH
6200	----	----	----	----	----	3.90 - 0.59	.3915	----	----	----	----	77	UNCH
6230	----	----	----	----	----	3.79 - 0.58	.3845	----	----	----	----	8	UNCH
6250	----	----	----	----	----	3.72 - 0.57	.3799	----	----	----	----	68	UNCH
6300	----	----	----	----	----	3.56 - 0.53	.3689	----	----	----	----	107	UNCH
6400	----	----	----	----	----	3.25 - 0.47	.3470	----	----	----	----	93	UNCH
6425	----	----	----	----	----	3.18 - 0.45	.3418	----	----	----	----	40	UNCH
6500	----	----	----	----	----	2.96 - 0.41	.3256	----	----	----	----	3236	UNCH
6525	----	----	----	----	----	2.89 - 0.40	.3203	----	----	----	----	30	UNCH
6600	----	----	----	----	----	2.69 - 0.37	.3048	----	----	----	----	45	UNCH
6700	----	----	----	----	----	2.44 - 0.34	.2846	----	----	----	----	65	UNCH
7000	----	----	----	----	----	1.85 - 0.21	.2317	----	----	----	----	256	UNCH
7500	----	----	----	----	----	1.20 - 0.09	.1641	----	----	----	----	139	UNCH
7800	----	----	----	----	----	0.93 - 0.05	.1329	----	----	----	----	1	UNCH
8000	----	----	----	----	----	0.78 - 0.03	.1148	----	----	----	----	50	UNCH
9000	----	----	----	----	----	0.37 - 0.02	.0594	----	----	----	----	1	UNCH
9800	----	----	----	----	----	0.24 - 0.02	.0393	----	----	----	----	1	UNCH
10000	----	----	----	----	----	0.22 - 0.02	.0361	----	----	----	----	1	UNCH
11000	----	----	----	----	----	0.15 - 0.01	.0245	----	----	----	----	13	UNCH
TOTAL												5001	
JAN21													
5500	----	----	----	----	----	6.89 - 0.98	.5494	----	----	----	----	75	UNCH
5975	----	----	----	----	----	4.75 - 0.72	.4410	----	----	----	----	1	UNCH
6000	----	----	----	----	----	4.65 - 0.70	.4353	----	----	----	----	70	UNCH
6500	----	----	----	----	----	3.00 - 0.40	.3260	----	----	----	----	115	UNCH
7000	----	----	----	----	----	1.90 - 0.21	.2340	----	----	----	----	111	UNCH
7500	----	----	----	----	----	1.25 - 0.09	.1676	----	----	----	----	2	UNCH
9500	----	----											



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 MAR21 to JUL22 with various contract specifications and volume data.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 AO CALL CRUDE OIL APO OPTIONS (JUL22 to OCT23) and AO PUT CRUDE OIL APO OPTIONS (MAY19 to JUN19).

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 JUN19, JUL19, AUG19, SEP19 and various contract codes like 5200, 5300, 5350, etc.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 SEP19, OCT19, NOV19, DEC19 and various contract numbers (e.g., 4400, 4500, 4600, etc.).



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 DEC19 to APR20 and various contract codes.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 are categorized by month (APR20, MAY20, JUN20, JUL20, AUG20) and include various contract specifications and their corresponding market data.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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.

AO PUT	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST	
CRUDE OIL APO OPTIONS													
AUG20													
5500	----	----	----	----	----	6.70 + 1.58	.4340	----	----	----	----	3289	UNCH
5800	----	----	----	----	----	8.08 + 1.71	.5081	----	----	----	----	2	UNCH
5850	----	----	----	----	----	8.32 + 1.73	.5209	----	----	----	----	15	UNCH
6000	----	----	----	----	----	9.12 + 1.82	.5586	----	----	----	----	363	UNCH
6500	----	----	----	----	----	12.28 + 2.24	.6788	----	----	----	----	20	UNCH
8640	----	----	----	----	----	30.74 + 2.79	.9346	----	----	----	----	31	UNCH
8750	----	----	----	----	----	31.78 + 2.79	.9392	----	----	----	----	31	UNCH
TOTAL												8150	
SEP20													
3000	----	----	----	----	----	0.48 + 0.21	.0445	----	----	----	----	1	UNCH
3500	----	----	----	----	----	1.00 + 0.41	.0863	----	----	----	----	30	UNCH
4000	----	----	----	----	----	1.85 + 0.67	.1475	----	----	----	----	296	UNCH
4200	----	----	----	----	----	2.30 + 0.79	.1775	----	----	----	----	220	UNCH
4300	----	----	----	----	----	2.55 + 0.85	.1937	----	----	----	----	25	UNCH
4400	----	----	----	----	----	2.82 + 0.91	.2106	----	----	----	----	35	UNCH
4500	----	----	----	----	----	3.11 + 0.97	.2282	----	----	----	----	2605	UNCH
4800	----	----	----	----	----	4.10 + 1.16	.2852	----	----	----	----	1	UNCH
4850	----	----	----	----	----	4.28 + 1.19	.2952	----	----	----	----	15	UNCH
4950	----	----	----	----	----	4.65 + 1.26	.3155	----	----	----	----	3	UNCH
5000	----	----	----	----	----	4.84 + 1.30	.3259	----	----	----	----	774	UNCH
5100	----	----	----	----	----	5.23 + 1.36	.3470	----	----	----	----	39	UNCH
5200	----	----	----	----	----	5.63 + 1.42	.3686	----	----	----	----	76	UNCH
5300	----	----	----	----	----	6.04 + 1.48	.3908	----	----	----	----	63	UNCH
5350	----	----	----	----	----	6.25 + 1.50	.4021	----	----	----	----	60	UNCH
5400	----	----	----	----	----	6.46 + 1.52	.4136	----	----	----	----	138	UNCH
5500	----	----	----	----	----	6.91 + 1.59	.4369	----	----	----	----	3289	UNCH
5800	----	----	----	----	----	8.31 + 1.72	.5094	----	----	----	----	2	UNCH
5850	----	----	----	----	----	8.57 + 1.75	.5217	----	----	----	----	15	UNCH
6000	----	----	----	----	----	9.37 + 1.84	.5587	----	----	----	----	363	UNCH
6500	----	----	----	----	----	12.51 + 2.22	.6769	----	----	----	----	20	UNCH
8640	----	----	----	----	----	30.89 + 2.73	.9323	----	----	----	----	30	UNCH
8750	----	----	----	----	----	31.93 + 2.73	.9369	----	----	----	----	30	UNCH
TOTAL												8130	
OCT20													
3000	----	----	----	----	----	0.54 + 0.24	.0482	----	----	----	----	1	UNCH
3500	----	----	----	----	----	1.09 + 0.43	.0910	----	----	----	----	30	UNCH
4000	----	----	----	----	----	1.97 + 0.69	.1526	----	----	----	----	296	UNCH
4200	----	----	----	----	----	2.43 + 0.81	.1826	----	----	----	----	220	UNCH
4300	----	----	----	----	----	2.69 + 0.88	.1988	----	----	----	----	25	UNCH
4400	----	----	----	----	----	2.97 + 0.94	.2158	----	----	----	----	35	UNCH
4500	----	----	----	----	----	3.27 + 1.01	.2334	----	----	----	----	2605	UNCH
4800	----	----	----	----	----	4.28 + 1.20	.2900	----	----	----	----	1	UNCH
4850	----	----	----	----	----	4.47 + 1.24	.2999	----	----	----	----	15	UNCH
4950	----	----	----	----	----	4.85 + 1.31	.3200	----	----	----	----	3	UNCH
5000	----	----	----	----	----	5.04 + 1.34	.3303	----	----	----	----	728	UNCH
5100	----	----	----	----	----	5.43 + 1.40	.3511	----	----	----	----	31	UNCH
5200	----	----	----	----	----	5.83 + 1.45	.3725	----	----	----	----	76	UNCH
5300	----	----	----	----	----	6.24 + 1.49	.3944	----	----	----	----	65	UNCH
5350	----	----	----	----	----	6.45 + 1.51	.4056	----	----	----	----	62	UNCH
5400	----	----	----	----	----	6.67 + 1.54	.4170	----	----	----	----	139	UNCH
5500	----	----	----	----	----	7.11 + 1.59	.4400	----	----	----	----	3289	UNCH
5800	----	----	----	----	----	8.81 + 1.77	.5230	----	----	----	----	15	UNCH
5850	----	----	----	----	----	9.63 + 1.87	.5590	----	----	----	----	363	UNCH
6000	----	----	----	----	----	12.75 + 2.20	.6750	----	----	----	----	20	UNCH
8640	----	----	----	----	----	31.05 + 2.68	.9302	----	----	----	----	31	UNCH
8750	----	----	----	----	----	32.08 + 2.67	.9347	----	----	----	----	31	UNCH
TOTAL												8081	
NOV20													
3000	----	----	----	----	----	0.59 + 0.25	.0512	----	----	----	----	1	UNCH
3500	----	----	----	----	----	1.18 + 0.44	.0953	----	----	----	----	30	UNCH
4000	----	----	----	----	----	2.08 + 0.71	.1571	----	----	----	----	296	UNCH
4200	----	----	----	----	----	2.56 + 0.84	.1873	----	----	----	----	220	UNCH
4300	----	----	----	----	----	2.82 + 0.89	.2033	----	----	----	----	25	UNCH
4400	----	----	----	----	----	3.11 + 0.96	.2203	----	----	----	----	35	UNCH
4500	----	----	----	----	----	3.41 + 1.02	.2377	----	----	----	----	2605	UNCH
4800	----	----	----	----	----	4.45 + 1.23	.2940	----	----	----	----	1	UNCH
4850	----	----	----	----	----	4.64 + 1.26	.3038	----	----	----	----	15	UNCH
4950	----	----	----	----	----	5.02 + 1.33	.3237	----	----	----	----	3	UNCH
5000	----	----	----	----	----	5.22 + 1.36	.3339	----	----	----	----	728	UNCH
5100	----	----	----	----	----	5.61 + 1.41	.3545	----	----	----	----	30	UNCH
5200	----	----	----	----	----	6.01 + 1.45	.3756	----	----	----	----	75	UNCH
5300	----	----	----	----	----	6.42 + 1.49	.3973	----	----	----	----	63	UNCH
5350	----	----	----	----	----	6.63 + 1.51	.4084	----	----	----	----	60	UNCH
5400	----	----	----	----	----	6.85 + 1.53	.4196	----	----	----	----	138	UNCH
5500	----	----	----	----	----	7.30 + 1.58	.4424	----	----	----	----	3289	UNCH
5800	----	----	----	----	----	9.02 + 1.77	.5237	----	----	----	----	15	UNCH
6000	----	----	----	----	----	9.84 + 1.86	.5590	----	----	----	----	363	UNCH
6500	----	----	----	----	----	12.96 + 2.18	.6729	----	----	----	----	20	UNCH
8640	----	----	----	----	----	31.17 + 2.61	.9280	----	----	----	----	30	UNCH
8750	----	----	----	----	----	32.21 + 2.62	.9325	----	----	----	----	30	UNCH
TOTAL												8072	
DEC20													
3000	----	----	----	----	----	0.63 + 0.25	.0538	----	----	----	----	1	UNCH
3500	----	----	----	----	----	1.25 + 0.45	.0991	----	----	----	----	30	UNCH
4000	----	----	----	----	----	2.20 + 0.72	.1623	----	----	----	----	296	UNCH
4200	----	----	----	----	----	2.69 + 0.84	.1925	----	----	----	----	220	UNCH
4300	----	----	----	----	----	2.96 + 0.90	.2087	----	----	----	----	25	UNCH
4400	----	----	----	----	----	3.25 + 0.96	.2256	----	----	----	----	35	UNCH
4500	----	----	----	----	----	3.56 + 1.02	.2431	----	----	----	----	2605	UNCH
4800	----	----	----	----	----	4.61 + 1.21	.2992	----	----	----	----	1	UNCH
4850	----	----	----	----	----	4.80 + 1.25	.3089	----	----	----	----	15	UNCH
4950	----	----	----	----	----	5.19 + 1.31	.3288	----	----	----	----	3	UNCH
5000	----	----	----	----	----	5.38 + 1.33	.3389	----	----	----	----	728	UNCH
5100	----	----	----	----	----	5.78 + 1.38	.3594	----	----	----	----	31	UNCH
5200	----	----	----	----	----	6.18 + 1.42	.3805	----	----	----	----	76	UNCH
5300	----	----	----	----	----	6.60 + 1.46	.4022	----	----	----	----	65	UNCH
5350	----	----	----	----	----	6.81 + 1.47	.4133	----	----	----	----	62	UNCH
5400	----	----	----	----	----	7.03 + 1.50	.4244	----	----	----	----	139	UNCH
5500	----	----	----	----	----	7.49 + 1.55	.4469	----	----	----	----	3289	UNCH
5800	----	----	----	----	----	9.22 + 1.72	.5276	----	----	----	----	15	UNCH



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 MAR21 to JAN23 with various contract specifications and prices.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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.

AO PUT	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
CRUDE OIL APO OPTIONS												
JAN23												
4950	----	----	----	----	----	8.01 + 0.98	.3695	----	----	----	----	2 UNCH
TOTAL												2
FEB23												
4950	----	----	----	----	----	8.09 + 0.97	.3698	----	----	----	----	2 UNCH
TOTAL												2
MAR23												
4950	----	----	----	----	----	8.17 + 0.97	.3701	----	----	----	----	1 UNCH
5100	----	----	----	----	----	8.85 + 1.01	.3960	----	----	----	----	1 UNCH
TOTAL												2
APR23												
4950	----	----	----	----	----	8.25 + 0.97	.3702	----	----	----	----	1 UNCH
TOTAL												1
MAY23												
4950	----	----	----	----	----	8.32 + 0.97	.3701	----	----	----	----	1 UNCH
TOTAL												1
JUN23												
4950	----	----	----	----	----	8.39 + 0.96	.3701	----	----	----	----	1 UNCH
TOTAL												1
JUL23												
4950	----	----	----	----	----	8.47 + 0.96	.3698	----	----	----	----	1 UNCH
TOTAL												1
AUG23												
4950	----	----	----	----	----	8.53 + 0.96	.3694	----	----	----	----	1 UNCH
TOTAL												1
SEP23												
4950	----	----	----	----	----	8.60 + 0.96	.3687	----	----	----	----	1 UNCH
TOTAL												1
OCT23												
4950	----	----	----	----	----	8.63 + 0.93	.3670	----	----	----	----	1 UNCH
TOTAL												1
NOV23												
4950	----	----	----	----	----	8.64 + 0.91	.3642	----	----	----	----	1 UNCH
TOTAL												1
DEC23												
4950	----	----	----	----	----	8.68 + 0.90	.3633	----	----	----	----	1 UNCH
TOTAL												1
JAN24												
5100	----	----	----	----	----	9.44 + 0.96	.3882	----	----	----	----	1 UNCH
TOTAL												1
CRUDE OIL OPTION ON CALENDAR STRP												
JAN20												
5900	----	----	----	----	----	2.73 - 1.38	.4096	----	----	----	----	100 UNCH
TOTAL												100
CRUDE OIL OPTION ON CALENDAR STRP												
JAN20												
5500	----	----	----	----	----	3.81 + 0.78	.4386	----	----	----	----	100 UNCH
TOTAL												100
CRUDE OIL OPTIONS												
JUN19												
5900	----	----	----	----	----	0.84 NEW	.3764	----	----	2	----	2 + 2
5950	0.95	0.95	#0.96B/*0.62A	#0.96B/*0.62A	----	0.66 NEW	.3170	----	----	1	----	1 + 1
6000	0.69	0.69	#0.71B/*0.49A	#0.71B/*0.49A	----	0.51 NEW	.2616	----	----	8	----	3 + 3
6100	0.75	0.75	#0.75/*0.30A	#0.75/*0.30A	----	0.31 NEW	.1735	----	----	2	----	2 + 2
6150	----	----	---/*0.23A	---/*0.23A	----	0.24 - 0.96	.1391	----	----	7	----	7 UNCH
6200	0.45	0.45	#0.45/*0.19A	#0.45/*0.19A	----	0.19 NEW	.1123	----	----	8	----	8 + 8
6250	----	----	---/*0.15A	---/*0.15A	----	0.15 - 0.62	.0902	----	----	1	----	1 UNCH
6300	0.39	0.39	0.41/*0.12	0.41/*0.12	----	0.12 - 0.48	.0728	----	30	----	----	33 + 28
6350	----	----	---/*0.10A	---/*0.10A	----	0.09 - 0.37	.0561	----	----	7	----	7 UNCH
6400	0.17	0.17	0.17/*0.08A	0.17/*0.08A	----	0.07 - 0.28	.0441	----	----	1	----	1 UNCH
6450	0.09	0.09	0.09/*0.07A	0.09/*0.07A	----	0.06 - 0.21	.0373	----	----	1	----	13 UNCH
6550	----	----	---/*0.05A	---/*0.05A	----	0.04 - 0.12	.0247	----	----	3	----	6 UNCH
6600	0.05	0.05	0.05/*0.05	0.05/*0.05	----	0.03 - 0.09	.0188	----	----	3	----	12 UNCH
6650	----	----	---/*0.04A	---/*0.04A	----	0.02 - 0.08	.0129	----	----	1	----	1 UNCH
6700	----	----	---/*0.04A	---/*0.04A	----	0.02 - 0.06	.0124	----	----	1	----	9 UNCH
6750	----	----	---/*0.04A	---/*0.04A	----	0.01 - 0.05	.0067	----	----	1	----	12 UNCH
6800	----	----	---/*0.03A	---/*0.03A	----	0.01 - 0.04	.0047	----	----	1	----	25 UNCH
6850	----	----	---/*0.02A	---/*0.02A	----	0.01 - 0.03	.0033	----	----	1	----	27 UNCH
TOTAL										56		170 + 44
CRUDE OIL OPTIONS												
JUN19												
4500	0.02	0.02	#0.02/*0.02	#0.02/*0.02	----	0.02 NEW	.0074	----	----	5	----	5 + 5
4750	0.03	0.03	#0.04B/*0.03	#0.04B/*0.03	----	0.04 NEW	.0160	----	----	4	----	4 + 4
5100	0.03	0.03	#0.15B/*0.03	#0.15B/*0.03	----	0.13 + 0.11	.0544	----	----	2	----	4 + 2
5500	0.54	0.54	#0.66B/*0.41A	#0.66B/*0.41A	----	0.50 NEW	.2079	----	----	6	----	4 + 4
5600	----	----	#0.93B/----	#0.93B/----	----	0.72 + 0.59	.2869	----	----	3	----	125 + 2
5650	0.78	0.78	#1.10B/*0.78	#1.10B/*0.78	----	0.86 NEW	.3337	----	----	1	----	1 + 1
5700	0.56	0.56	#1.30B/*0.54A	#1.30B/*0.54A	----	1.02 + 0.83	.3848	----	----	13	----	12 + 7
5800	1.32	1.32	#1.77B/1.21A	#1.77B/1.21A	----	1.41 + 1.12	.4992	----	----	1	----	31 UNCH
5850	1.69	1.69	#2.04B/1.44A	#2.04B/1.44A	----	1.65 + 1.28	.5611	----	----	8	----	9 + 7
5900	----	----	#2.35B/----	#2.35B/----	----	1.93 + 1.47	.6232	----	----	1	----	2 UNCH
5950	----	----	#2.69B/----	#2.69B/----	----	2.25 + 1.68	.6825	----	----	1	----	1 UNCH
6000	1.93	1.93	#3.03B/1.93	#3.03B/1.93	----	2.60 + 1.90	.7379	----	----	1	----	11 UNCH
6050	----	----	#3.43B/----	#3.43B/----	----	2.98 + 2.11	.7875	----	----	1	----	5 UNCH
6100	----	----	#3.86B/----	#3.86B/----	----	3.39 + 2.33	.8261	----	----	1	----	2 UNCH
6150	----	----	#4.30B/----	#4.30B/----	----	3.83 + 2.55	.8605	----	----	1	----	1 UNCH
6200	----	----	#4.76B/----	#4.76B/----	----	4.28 + 2.74	.8873	----	----	1	----	3 UNCH
6250	2.60	2.60	#5.22B/2.60	#5.22B/2.60	----	4.74 + 2.90	.9095	----	----	10	----	0 - 10
6300	----	----	#5.69B/----	#5.69B/----	----	5.21 + 3.03	.9268	----	----	1	----	1 UNCH
6350	----	----	#6.18B/----	#6.18B/----	----	5.68 + 3.14	.9436	----	----	1	----	4 UNCH
TOTAL										55		225 + 22
CRUDE OIL OPTIONS												
JUN19												
5800	1.61	1.61	#1.78B/*1.56A	#1.78B/*1.56A	----	1.64 NEW	.5052	----	----	3	----	3 + 3
5900	1.14	1.14	#1.28B/*1.09	#1.28B/*1.09	----	1.15 NEW	.4060	----	----	71	----	15 + 15
6050	0.89	0.89	#0.89/*0.59A	#0.89/*0.59A	----	0.63 NEW	.2656	----	----	8	----	8 + 8
6200	0.88	0.88	#0.88/*0.32A	#0.88/*0.32A	----	0.32 NEW	.1557	----	----	8	----	8 + 8
6300	0.64	0.64	#0.64/*0.22A	#0.64/*0.22A	----	0.21 NEW	.1078	----	----	25	----	14 + 14
6600	0.24	0.24	#0.24/*0.08A	#0.24/*0.08A	----	0.07 NEW	.0379	----	----	1	----	1 + 1
TOTAL										116		49 + 49
CRUDE OIL OPTIONS												
JUN19												
5250	0.34	0.34	#0.36B/*0.34	#0.36B/*0.34	----	0.34 NEW	.1218	----	----	1	----	1 + 1
5500	0.65	0.65	#0.93B/*0.65	#0.93B/*0.65	----	0.74 NEW	.2466	----	----	2	----	0 UNCH
5600	0.98	0.98	#1.22B/*0.84A	#1.22B/*0.84A	----	0.99 NEW	.3172	----	----	2	----	0 UNCH
5700	0.92	0.92	#1.61B/*0.92	#1.61B/*0.92	----	1.32 NEW	.4008	----	----	1	----	1 + 1
5750	0.58	0.58	#1.83B/0.57	#1.83B/0.57	----	1.52 + 1.12	.4465	----	----	14	----	15 + 14



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 LO2 PUT, LO4 CALL, LO4 PUT, LO5 CALL, LO5 PUT.

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. © Copyright CME Group Inc. All rights reserved.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

CONTRACT	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT. PRICE	DELTA	EXER	OPEN	GLOBEX	PNT	OPEN
		RANGE	HIGH/LOW	HIGH/LOW	CLOSE RANGE	& PT. CHGE.		CISES	OUTCRY VOLUME	VOLUME	VOLUME	INTEREST
CRUDE OIL OPTIONS												
LO5 PUT MAY19												
5400	0.20	0.20	#0.24B/0.15A	#0.24B/0.15A	----	0.16 + 0.14	.0888	----	----	572	----	435 + 431
5450	0.06	0.06	0.30B/0.06	0.30B/0.06	----	0.20 + 0.17	.1122	----	----	5	----	59 + 5
5500	0.08	0.08	#0.37B/0.08	#0.37B/0.08	----	0.26 + 0.22	.1445	----	----	16	----	24 + 14
5550	0.21	0.21	0.47B/0.21	0.47B/0.21	----	0.34 + 0.28	.1825	----	----	8	----	30 + 8
5600	0.08	0.08	#0.59B/0.08	#0.59B/0.08	----	0.41 + 0.35	.2270	----	----	277	----	211 + 188
5650	0.59	0.59	#0.75B/0.41A	#0.75B/0.41A	----	0.53 + 0.45	.2848	----	----	4	----	22 + 4
5700	0.24	0.24	#0.93B/0.24	#0.93B/0.24	----	0.66 + 0.56	.3492	----	----	32	----	24 + 9
5750	0.68	0.68	#1.15B/0.67A	#1.15B/0.67A	----	0.84 + 0.72	.4248	----	----	105	----	123 + 98
5800	0.31	0.31	#1.40B/0.27A	#1.40B/0.27A	----	1.04 + 0.89	.5070	----	----	535	----	98 + 71
5850	----	----	----	----	----	1.30	NEW	----	----	2	----	1 + 1
5900	0.28	0.28	#2.03B/0.28	#2.03B/0.28	----	1.60 + 1.35	.6778	----	----	4	----	4 + 2
5950	1.11	1.11	#2.38B/*0.98A	#2.38B/*0.98A	----	1.95 + 1.63	.7542	----	----	4	----	5 + 2
6000	0.54	0.54	#2.81B/0.54	#2.81B/0.54	----	2.34 + 1.90	.8185	----	----	4	----	176 + 1
6050	2.63	2.63	#3.25B/2.43A	#3.25B/2.43A	----	2.77 + 2.19	.8658	----	----	1	----	80 + 1
6100	0.96	0.96	#3.70B/0.92A	#3.70B/0.92A	----	3.21 + 2.45	.9016	----	----	8	----	6 + 4
6150	1.61	1.61	#4.17B/1.60A	#4.17B/1.60A	----	3.68 + 2.71	.9305	----	----	5	----	5
6200	----	----	#4.64B/----	#4.64B/----	----	4.16 + 2.92	.9470	----	----	10	----	52
6250	4.26	4.26	#5.14B/4.24A	#5.14B/4.24A	----	4.64 + 3.08	.9621	----	----	1	----	3
6300	2.06	2.06	#5.63B/2.06	#5.63B/2.06	----	5.13 + 3.21	.9705	----	----	2	----	82
6350	----	----	#6.12B/----	#6.12B/----	----	5.62 + 3.30	.9782	----	----	----	----	4
6400	----	----	#6.62B/----	#6.62B/----	----	6.11 + 3.35	.9854	----	----	----	----	1
TOTAL										1716		1710 + 954
CRUDE OIL OPTIONS SEMI ANNUAL												
6Y OOC JAN20												
6300	----	----	----	----	----	1.78 - 1.12	.2997	----	----	----	----	90 UNCH
6350	----	----	----	----	----	1.67 - 1.06	.2852	----	----	----	----	60 UNCH
TOTAL												150
EIA FLAT TAX ON-HIGHWAY DIESEL APO												
DAP OFF MAY19												
28900	----	----	----	----	----	0.2733 - 0.0060	1.0000	----	----	----	----	15 UNCH
31300	----	----	----	----	----	0.0342 - 0.0057	.9322	----	----	----	----	5 UNCH
32000	----	----	----	----	----	0.0003 - 0.0005	.0315	----	----	----	----	5 UNCH
32600	----	----	----	----	----	0.0001 UNCH	.0058	----	----	----	----	5 UNCH
33000	----	----	----	----	----	0.0001 UNCH	.0002	----	----	----	----	16 UNCH
TOTAL												46
JUN19												
28900	----	----	----	----	----	0.1991 - 0.0721	.8031	----	----	----	----	15 UNCH
31300	----	----	----	----	----	0.0488 - 0.0328	.3764	----	----	----	----	5 UNCH
32000	----	----	----	----	----	0.0270 - 0.0215	.2456	----	----	----	----	5 UNCH
32600	----	----	----	----	----	0.0165 - 0.0120	.1639	----	----	----	----	5 UNCH
33000	----	----	----	----	----	0.0120 - 0.0075	.1241	----	----	----	----	16 UNCH
TOTAL												46
JUL19												
28000	----	----	----	----	----	0.3366 - 0.0708	.8280	----	----	----	----	25 UNCH
28500	----	----	----	----	----	0.2953 - 0.0684	.7911	----	----	----	----	15 UNCH
28900	----	----	----	----	----	0.2634 - 0.0660	.7578	----	----	----	----	15 UNCH
31300	----	----	----	----	----	0.1099 - 0.0375	.4825	----	----	----	----	5 UNCH
32000	----	----	----	----	----	0.0799 - 0.0267	.3921	----	----	----	----	5 UNCH
32600	----	----	----	----	----	0.0605 - 0.0193	.3208	----	----	----	----	5 UNCH
33000	----	----	----	----	----	0.0500 - 0.0150	.2777	----	----	----	----	16 UNCH
TOTAL												86
AUG19												
28000	----	----	----	----	----	0.3578 - 0.0680	.8030	----	----	----	----	25 UNCH
28500	----	----	----	----	----	0.3194 - 0.0638	.7659	----	----	----	----	15 UNCH
28900	----	----	----	----	----	0.2904 - 0.0600	.7333	----	----	----	----	15 UNCH
31300	----	----	----	----	----	0.1469 - 0.0337	.5036	----	----	----	----	5 UNCH
32000	----	----	----	----	----	0.1152 - 0.0254	.4320	----	----	----	----	5 UNCH
32600	----	----	----	----	----	0.0922 - 0.0193	.3721	----	----	----	----	5 UNCH
33000	----	----	----	----	----	0.0789 - 0.0159	.3338	----	----	----	----	16 UNCH
TOTAL												86
SEP19												
28000	----	----	----	----	----	0.3910 - 0.0577	.7686	----	----	----	----	25 UNCH
28500	----	----	----	----	----	0.3528 - 0.0547	.7375	----	----	----	----	15 UNCH
28900	----	----	----	----	----	0.3239 - 0.0513	.7102	----	----	----	----	15 UNCH
31300	----	----	----	----	----	0.1785 - 0.0301	.5173	----	----	----	----	5 UNCH
32000	----	----	----	----	----	0.1441 - 0.0258	.4555	----	----	----	----	5 UNCH
32600	----	----	----	----	----	0.1189 - 0.0204	.4029	----	----	----	----	5 UNCH
33000	----	----	----	----	----	0.1048 - 0.0160	.3694	----	----	----	----	16 UNCH
TOTAL												86
OCT19												
28000	----	----	----	----	----	0.4456 - 0.0358	.7554	----	----	----	----	25 UNCH
28500	----	----	----	----	----	0.4061 - 0.0351	.7302	----	----	----	----	15 UNCH
28900	----	----	----	----	----	0.3751 - 0.0344	.7085	----	----	----	----	15 UNCH
31300	----	----	----	----	----	0.2182 - 0.0180	.5454	----	----	----	----	5 UNCH
32000	----	----	----	----	----	0.1847 - 0.0097	.4922	----	----	----	----	5 UNCH
32600	----	----	----	----	----	0.1599 - 0.0054	.4474	----	----	----	----	5 UNCH
33000	----	----	----	----	----	0.1462 - 0.0019	.4192	----	----	----	----	16 UNCH
TOTAL												86
NOV19												
28000	----	----	----	----	----	0.4383 - 0.0313	.7494	----	----	----	----	25 UNCH
28500	----	----	----	----	----	0.4028 - 0.0295	.7214	----	----	----	----	15 UNCH
28900	----	----	----	----	----	0.3754 - 0.0279	.6978	----	----	----	----	15 UNCH
31300	----	----	----	----	----	0.2327 - 0.0137	.5403	----	----	----	----	5 UNCH
32000	----	----	----	----	----	0.1996 - 0.0081	.4916	----	----	----	----	5 UNCH
32600	----	----	----	----	----	0.1735 - 0.0051	.4499	----	----	----	----	5 UNCH
33000	----	----	----	----	----	0.1573 - 0.0034	.4223	----	----	----	----	16 UNCH
TOTAL												86
DEC19												
28000	----	----	----	----	----	0.4488 - 0.0347	.7308	----	----	----	----	25 UNCH
28500	----	----	----	----	----	0.4130 - 0.0323	.7048	----	----	----	----	15 UNCH
28900	----	----	----	----	----	0.3854 - 0.0302	.6830	----	----	----	----	15 UNCH
31300	----	----	----	----	----	0.2475 - 0.0119	.5361	----	----	----	----	5 UNCH
32000	----	----	----	----	----	0.2147 - 0.0085	.4913	----	----	----	----	5 UNCH
32600	----	----	----	----	----	0.1898 - 0.0049	.4535	----	----	----	----	5 UNCH
33000	----	----	----	----	----	0.1745 - 0.0026	.4288	----	----	----	----	16 UNCH
TOTAL												86
EURO HEATING OIL												
LB CALL JUN19												
19000	----	----	----	----	----	0.0671 - 0.0823	.8744	----	----	----	----	37 UNCH
TOTAL												37
JUL19												
19000	----	----	----	----	----	0.1000 - 0.0621	.6710	----	----	----	----	37 UNCH
TOTAL												37
AUG19												
19000	----	----	----	----	----	0.1269 - 0						



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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.

	LOBEX OPEN	OPEN OPEN	OUTCRY RANGE	LOBEX HIGH/LOW	OPEN HIGH/LOW	OUTCRY CLOSE	OUTCRY RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	LOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
LB CALL EURO HEATING OIL														
SEP19														
19000	----	----	----	----	----	----	----	0.1484 - 0.0525	.6330	----	----	----	----	45 UNCH
TOTAL														45 UNCH
OCT19														
19000	----	----	----	----	----	----	----	0.1680 - 0.0476	.6311	----	----	----	----	43 UNCH
26000	----	----	----	----	----	----	----	0.0088 + 0.0008	.0632	----	----	----	----	3 UNCH
TOTAL														46 UNCH
NOV19														
19000	----	----	----	----	----	----	----	0.1880 - 0.0474	.6278	----	----	----	----	45 UNCH
26000	----	----	----	----	----	----	----	0.0162 + 0.0002	.0960	----	----	----	----	3 UNCH
TOTAL														48 UNCH
DEC19														
19000	----	----	----	----	----	----	----	0.1980 - 0.0448	.6265	----	----	----	----	40 UNCH
26000	----	----	----	----	----	----	----	0.0131 - 0.0012	.0836	----	----	----	----	3 UNCH
TOTAL														43 UNCH
JAN20														
26000	----	----	----	----	----	----	----	0.0231 - 0.0005	.1209	----	----	----	----	3 UNCH
TOTAL														3 UNCH
FEB20														
26000	----	----	----	----	----	----	----	0.0280 - 0.0012	.1358	----	----	----	----	3 UNCH
TOTAL														3 UNCH
MAR20														
26000	----	----	----	----	----	----	----	0.0287 - 0.0009	.1371	----	----	----	----	3 UNCH
TOTAL														3 UNCH
APR20														
26000	----	----	----	----	----	----	----	0.0345 - 0.0009	.1519	----	----	----	----	3 UNCH
TOTAL														3 UNCH
MAY20														
26000	----	----	----	----	----	----	----	0.0411 - 0.0015	.1675	----	----	----	----	3 UNCH
TOTAL														3 UNCH
JUN20														
26000	----	----	----	----	----	----	----	0.0377 + 0.0003	.1588	----	----	----	----	6 UNCH
TOTAL														6 UNCH
JUN21														
26000	----	----	----	----	----	----	----	0.0734 - 0.0076	.2262	----	----	----	----	6 UNCH
TOTAL														6 UNCH
LB PUT EURO HEATING OIL														
JUN19														
19300	----	----	----	----	----	----	----	0.0100 + 0.0092	.2611	----	----	----	----	3 UNCH
20300	----	----	----	----	----	----	----	0.0711 + 0.0585	.8966	----	----	----	----	3 UNCH
TOTAL														6 UNCH
JUL19														
18300	----	----	----	----	----	----	----	0.0193 + 0.0140	.1931	----	----	----	----	8 UNCH
TOTAL														8 UNCH
AUG19														
18300	----	----	----	----	----	----	----	0.0390 + 0.0213	.2549	----	----	----	----	9 UNCH
TOTAL														9 UNCH
SEP19														
18300	----	----	----	----	----	----	----	0.0511 + 0.0247	.2736	----	----	----	----	3 UNCH
TOTAL														3 UNCH
NOV19														
18300	----	----	----	----	----	----	----	0.0814 + 0.0298	.3025	----	----	----	----	4 UNCH
TOTAL														4 UNCH
DEC19														
18300	----	----	----	----	----	----	----	0.0875 + 0.0331	.3062	----	----	----	----	4 UNCH
TOTAL														4 UNCH
JAN20														
18300	----	----	----	----	----	----	----	0.0976 + 0.0335	.3127	----	----	----	----	4 UNCH
TOTAL														4 UNCH
FEB20														
18300	----	----	----	----	----	----	----	0.1092 + 0.0362	.3225	----	----	----	----	4 UNCH
TOTAL														4 UNCH
MAR20														
18300	----	----	----	----	----	----	----	0.1211 + 0.0384	.3344	----	----	----	----	4 UNCH
TOTAL														4 UNCH
GVR CALL GULF COAST JET FUEL(PLATTS)APO														
MAY19														
20500	----	----	----	----	----	----	----	0.0001 - 0.0001	.0076	----	----	----	----	10 UNCH
20800	----	----	----	----	----	----	----	0.0001 UNCH	.0003	----	----	----	----	10 UNCH
20900	----	----	----	----	----	----	----	0.0001 UNCH	.0000	----	----	----	----	50 UNCH
21200	----	----	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	50 UNCH
TOTAL														120 UNCH
JUN19														
20500	----	----	----	----	----	----	----	0.0175 - 0.0228	.1986	----	----	----	----	10 UNCH
20800	----	----	----	----	----	----	----	0.0128 - 0.0186	.1539	----	----	----	----	10 UNCH
20900	----	----	----	----	----	----	----	0.0115 - 0.0173	.1409	----	----	----	----	50 UNCH
21200	----	----	----	----	----	----	----	0.0082 - 0.0137	.1061	----	----	----	----	50 UNCH
TOTAL														120 UNCH
JUL19														
17100	----	----	----	----	----	----	----	0.2038 - 0.0751	.8727	----	----	----	----	50 UNCH
17400	----	----	----	----	----	----	----	0.1793 - 0.0725	.8301	----	----	----	----	30 UNCH
22000	----	----	----	----	----	----	----	0.0066 - 0.0104	.0780	----	----	----	----	260 UNCH
26500	----	----	----	----	----	----	----	0.0001 UNCH	.0015	----	----	----	----	75 UNCH
31500	----	----	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	75 UNCH
TOTAL														490 UNCH
AUG19														
17100	----	----	----	----	----	----	----	0.2234 - 0.0711	.8304	----	----	----	----	50 UNCH
17400	----	----	----	----	----	----	----	0.2004 - 0.0686	.7919	----	----	----	----	30 UNCH
22000	----	----	----	----	----	----	----	0.0176 - 0.0161	.1468	----	----	----	----	260 UNCH
26500	----	----	----	----	----	----	----	0.0005 - 0.0008	.0063	----	----	----	----	75 UNCH
31500	----	----	----	----	----	----	----	0.0001 UNCH	.0011	----	----	----	----	75 UNCH
TOTAL														490 UNCH
SEP19														
17100	----	----	----	----	----	----	----	0.2418 - 0.0681	.8060	----	----	----	----	50 UNCH
17400	----	----	----	----	----	----	----	0.2199 - 0.0637	.7707	----	----	----	----	30 UNCH
22000	----	----	----	----	----	----	----	0.0303 - 0.0204	.2006	----	----	----	----	260 UNCH
26500	----	----	----	----	----	----	----	0.0019 - 0.0023	.0186	----	----	----	----	75 UNCH
31500	----	----	----	----	----	----	----	0.0001 UNCH	.0011	----	----	----	----	75 UNCH
TOTAL														490 UNCH
OCT19														
17400	----	----	----	----	----	----	----	0.2076 - 0.0627	.7415	----	----	----	----	30 UNCH
TOTAL														30 UNCH
NOV19														



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 GVR CALL, NOV19, DEC19, AT CALL, MAY19, JUN19, JUL19, AUG19, SEP19.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 SEP19, OCT19, NOV19, DEC19 and various contract months.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 like DEC19, JAN20, FEB20, MAR20, APR20 and various contract specifications.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 APR20 to JUL21 with various price and volume data.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include AT CALL HEATING OIL APO (AVG PRICE) OPTIONS and AT PUT HEATING OIL APO (AVG PRICE) OPTIONS for months MAY19 through FEB20.

2019 DAILY INFORMATION BULLETIN - <http://www.cmegroup.com/dailybulletin>
CME Group, Inc.
20 South Wacker Drive, Chicago, Illinois 60606-7499.
Customer Service: (312) 930-1000



FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

AT PUT	HEATING OIL APO (AVG PRICE) OPTIONS	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
FEB20							0.0879 + 0.0294	.2684	----	----	----	2	2 + 1
17500		----	----	----	----	----	0.1052 + 0.0349	.3079	----	----	----	----	1 UNCH
18000		----	----	----	----	----	0.1247 + 0.0397	.3493	----	----	----	----	3 UNCH
18500		----	----	----	----	----	0.1463 + 0.0440	.3921	----	----	----	----	5 UNCH
19000		----	----	----	----	----	0.0012	.0254	----	----	----	----	3 UNCH
21000		----	----	----	----	----	0.2537 + 0.0599	.5658	----	----	----	2	14 + 1
TOTAL													
MAR20							0.1027 + 0.0309	.2866	----	----	----	2	2 + 1
17500		----	----	----	----	----	0.1201 + 0.0348	.3243	----	----	----	----	1 UNCH
18000		----	----	----	----	----	0.1401 + 0.0395	.3640	----	----	----	----	3 UNCH
18500		----	----	----	----	----			----	----	----	2	6 + 1
TOTAL													
APR20							0.1147 + 0.0325	.2982	----	----	----	2	2 + 1
17500		----	----	----	----	----	0.1331 + 0.0360	.3348	----	----	----	----	1 UNCH
18000		----	----	----	----	----			----	----	----	2	3 + 1
TOTAL													
MAY20							0.1199 + 0.0343	.3038	----	----	----	2	2 + 1
17500		----	----	----	----	----	0.1394 + 0.0382	.3403	----	----	----	----	1 UNCH
18000		----	----	----	----	----			----	----	----	2	3 + 1
TOTAL													
JUN20							0.1254 + 0.0328	.3074	----	----	----	2	2 + 1
17500		----	----	----	----	----	0.1447 + 0.0363	.3430	----	----	----	----	1 UNCH
18000		----	----	----	----	----			----	----	----	2	3 + 1
TOTAL													
JUL20							0.1277 + 0.0313	.3089	----	----	----	2	2 + 1
17500		----	----	----	----	----	0.1474 + 0.0354	.3443	----	----	----	----	1 UNCH
18000		----	----	----	----	----			----	----	----	2	3 + 1
TOTAL													
AUG20							0.1327 + 0.0303	.3109	----	----	----	2	2 + 1
17500		----	----	----	----	----	0.1527 + 0.0346	.3456	----	----	----	----	1 UNCH
18000		----	----	----	----	----			----	----	----	2	3 + 1
TOTAL													
SEP20							0.1387 + 0.0309	.3137	----	----	----	2	2 + 1
17500		----	----	----	----	----	0.1591 + 0.0345	.3476	----	----	----	----	1 UNCH
18000		----	----	----	----	----			----	----	----	2	3 + 1
TOTAL													
OCT20							0.1427 + 0.0294	.3155	----	----	----	2	2 + 1
17500		----	----	----	----	----	0.1634 + 0.0337	.3489	----	----	----	----	1 UNCH
18000		----	----	----	----	----			----	----	----	2	3 + 1
TOTAL													
NOV20							0.1481 + 0.0296	.3181	----	----	----	2	2 + 1
17500		----	----	----	----	----	0.1689 + 0.0333	.3509	----	----	----	----	1 UNCH
18000		----	----	----	----	----			----	----	----	2	3 + 1
TOTAL													
DEC20							0.1508 + 0.0285	.3187	----	----	----	2	2 + 1
17500		----	----	----	----	----	0.1717 + 0.0323	.3510	----	----	----	----	1 UNCH
18000		----	----	----	----	----			----	----	----	2	3 + 1
TOTAL													
JAN21							0.1245	NEW	----	----	----	2	1 + 1
16500		----	----	----	----	----			----	----	----	2	1 + 1
TOTAL													
FEB21							0.1308	NEW	----	----	----	2	1 + 1
16500		----	----	----	----	----			----	----	----	2	1 + 1
TOTAL													
MAR21							0.1386	NEW	----	----	----	2	1 + 1
16500		----	----	----	----	----			----	----	----	2	1 + 1
TOTAL													
APR21							0.1459	NEW	----	----	----	2	1 + 1
16500		----	----	----	----	----			----	----	----	2	1 + 1
TOTAL													
MAY21							0.1514	NEW	----	----	----	2	1 + 1
16500		----	----	----	----	----			----	----	----	2	1 + 1
TOTAL													
JUN21							0.1569	NEW	----	----	----	2	1 + 1
16500		----	----	----	----	----			----	----	----	2	1 + 1
TOTAL													
JUL21							0.1613	NEW	----	----	----	2	1 + 1
16500		----	----	----	----	----			----	----	----	2	1 + 1
TOTAL													
AUG21							0.1644	NEW	----	----	----	2	1 + 1
16500		----	----	----	----	----			----	----	----	2	1 + 1
TOTAL													
SEP21							0.1687	NEW	----	----	----	2	1 + 1
16500		----	----	----	----	----			----	----	----	2	1 + 1
TOTAL													
OCT21							0.1721	NEW	----	----	----	2	1 + 1
16500		----	----	----	----	----			----	----	----	2	1 + 1
TOTAL													
NOV21							0.1760	NEW	----	----	----	2	1 + 1
16500		----	----	----	----	----			----	----	----	2	1 + 1
TOTAL													
DEC21							0.1647	NEW	----	----	----	2	1 + 1
16500		----	----	----	----	----			----	----	----	2	1 + 1
TOTAL													
E7 CALL	HENRY HUB FINANCIAL LAST DAY 0												
JUN19							0.0479 + 0.0141	.6524	----	----	----	50	100 UNCH
255		----	----	----	----	----	0.0221	NEW	----	----	----	50	50 + 50
260		----	----	----	----	----	0.0032	NEW	----	----	----	500	500 UNCH
270		----	----	----	----	----	0.0013	NEW	----	----	----	222	222 UNCH
275		----	----	----	----	----	0.0001	UNCH	----	----	----	4	4 UNCH
295		----	----	----	----	----	0.0001	UNCH	----	----	----	79	79 UNCH
300		----	----	----	----	----	0.0001	UNCH	----	----	----	9	9 UNCH
325		----	----	----	----	----	0.0001	UNCH	----	----	----	10	10 UNCH
350		----	----	----	----	----	0.0001	UNCH	----	----	----	9	9 UNCH
355		----	----	----	----	----	0.0001	UNCH	----	----	----	2	2 UNCH
450		----	----	----	----	----	0.0001	UNCH	----	----	----	50	985 + 50
TOTAL													
JUL19							0.0247 + 0.0052	.2233	----	----	----	----	53 UNCH
275		----	----	----	----	----	0.0046 + 0.0006	.0520	----	----	----	----	35 UNCH
295		----	----	----	----	----	0.0033 + 0.0003	.0376	----	----	----	----	132 UNCH
300		----	----	----	----	----	0.0012	UNCH	----	----	----	----	5 UNCH
325		----	----	----	----	----	0.0005	UNCH	----	----	----	----	10 UNCH
350		----	----	----	----	----	0.0004	UNCH	----	----	----	----	9 UNCH
355		----	----	----	----	----	0.0001	UNCH	----	----	----	----	2 UNCH
450		----	----	----	----	----			----	----	----	----	

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.
© Copyright CME Group Inc. All rights reserved.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 AUG19 to NOV20.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 NOV20 to NOV22 with contract types 300, 305, 325, 350.

2019 DAILY INFORMATION BULLETIN - <http://www.cmegroup.com/dailybulletin>
CME Group, Inc.
20 South Wacker Drive, Chicago, Illinois 60606-7499.
Customer Service: (312) 930-1000



FINAL

PG63 BULLETIN # 99@ ENERGY OPTIONS Thu, May 23, 2019 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.

OPEN	OUTCRY	OPEN	OUTCRY	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX®	PNT	OPEN
GLOBEX	OPEN	GLOBEX	OPEN	GLOBEX	OPEN	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
OPEN	RANGE	HIGH/LOW	HIGH/LOW	HIGH/LOW	HIGH/LOW				VOLUME			
E7 CALL HENRY HUB FINANCIAL LAST DAY 0												
NOV22												
350	----	----	----	----	----	0.0658 + 0.0014	.1875	----	----	----	----	10 UNCH
TOTAL												100
DEC22												
300	----	----	----	----	----	0.2049 + 0.0052	.4527	----	----	----	----	93 UNCH
350	----	----	----	----	----	0.1000 + 0.0025	.2522	----	----	----	----	10 UNCH
TOTAL												103
JAN23												
350	----	----	----	----	----	0.1503 + 0.0037	.3210	----	----	----	----	10 UNCH
TOTAL												10
FEB23												
350	----	----	----	----	----	0.1591 + 0.0036	.3229	----	----	----	----	10 UNCH
TOTAL												10
MAR23												
350	----	----	----	----	----	0.1461 + 0.0033	.2989	----	----	----	----	10 UNCH
TOTAL												10
APR23												
350	----	----	----	----	----	0.0643 + 0.0020	.1804	----	----	----	----	10 UNCH
TOTAL												10
MAY23												
350	----	----	----	----	----	0.0544 + 0.0018	.1630	----	----	----	----	10 UNCH
TOTAL												10
JUN23												
350	----	----	----	----	----	0.0577 + 0.0018	.1712	----	----	----	----	10 UNCH
TOTAL												10
JUL23												
350	----	----	----	----	----	0.0643 + 0.0020	.1851	----	----	----	----	10 UNCH
TOTAL												10
AUG23												
350	----	----	----	----	----	0.0679 + 0.0021	.1922	----	----	----	----	10 UNCH
TOTAL												10
SEP23												
350	----	----	----	----	----	0.0694 + 0.0022	.1944	----	----	----	----	10 UNCH
TOTAL												10
OCT23												
350	----	----	----	----	----	0.0769 + 0.0023	.2080	----	----	----	----	10 UNCH
TOTAL												10
NOV23												
350	----	----	----	----	----	0.0899 + 0.0027	.2318	----	----	----	----	10 UNCH
TOTAL												10
DEC23												
350	----	----	----	----	----	0.1433 + 0.0026	.3125	----	----	----	----	10 UNCH
TOTAL												10
E7 PUT HENRY HUB FINANCIAL LAST DAY 0												
JUN19												
200	----	----	----	----	----	0.0001 UNCH	.0007	----	----	----	----	30 UNCH
230	----	----	----	----	----	0.0007 - 0.0004	.0091	----	----	----	----	4 UNCH
245	----	----	----	----	----	0.0034 - 0.0052	.0637	----	----	----	----	1050 UNCH
250	----	----	----	----	----	0.0080 - 0.0119	.1542	----	----	----	100	1655 + 100
260	----	----	----	----	----	0.0441 - 0.0290	.6113	----	----	----	----	95 UNCH
275	----	----	----	----	----	0.1732 - 0.0354	.9740	----	----	----	----	4 UNCH
280	----	----	----	----	----	0.2225 - 0.0353	.9907	----	----	----	----	14 UNCH
300	----	----	----	----	----	0.4219 - 0.0350	.9996	----	----	----	----	9 UNCH
TOTAL												100
JUL19												
200	----	----	----	----	----	0.0010 - 0.0005	.0088	----	----	----	----	37 UNCH
230	----	----	----	----	----	0.0082 - 0.0031	.0751	----	----	----	----	4 UNCH
250	----	----	----	----	----	0.0419 - 0.0125	.3062	----	----	----	----	106 UNCH
260	----	----	----	----	----	0.0836 - 0.0188	.5011	----	----	----	----	129 UNCH
275	----	----	----	----	----	0.1823 - 0.0277	.7767	----	----	----	----	4 UNCH
280	----	----	----	----	----	0.2235 - 0.0297	.8453	----	----	----	----	14 UNCH
300	----	----	----	----	----	0.4104 - 0.0326	.9623	----	----	----	----	9 UNCH
TOTAL												303
AUG19												
200	----	----	----	----	----	0.0045 - 0.0001	.0284	----	----	----	----	36 UNCH
230	----	----	----	----	----	0.0226 - 0.0032	.1344	----	----	----	----	4 UNCH
250	----	----	----	----	----	0.0684 - 0.0095	.3353	----	----	----	----	36 UNCH
260	----	----	----	----	----	0.1102 - 0.0136	.4729	----	----	----	----	129 UNCH
275	----	----	----	----	----	0.1998 - 0.0200	.6801	----	----	----	----	4 UNCH
280	----	----	----	----	----	0.2362 - 0.0223	.7427	----	----	----	----	14 UNCH
300	----	----	----	----	----	0.4070 - 0.0277	.9009	----	----	----	----	9 UNCH
TOTAL												232
SEP19												
200	----	----	----	----	----	0.0085 + 0.0001	.0449	----	----	----	----	29 UNCH
225	----	----	----	----	----	0.0294 - 0.0012	.1415	----	----	----	----	1 UNCH
230	----	----	----	----	----	0.0374 - 0.0020	.1743	----	----	----	----	3 UNCH
250	----	----	----	----	----	0.0917 - 0.0069	.3589	----	----	----	----	35 UNCH
260	----	----	----	----	----	0.1346 - 0.0106	.4742	----	----	----	----	125 UNCH
275	----	----	----	----	----	0.2223 - 0.0159	.6484	----	----	----	----	4 UNCH
280	----	----	----	----	----	0.2576 - 0.0174	.7030	----	----	----	----	14 UNCH
300	----	----	----	----	----	0.4197 - 0.0233	.8602	----	----	----	----	9 UNCH
TOTAL												220
OCT19												
200	----	----	----	----	----	0.0122 + 0.0003	.0549	----	----	----	----	10 UNCH
225	----	----	----	----	----	0.0377 - 0.0003	.1523	----	----	----	----	1 UNCH
230	----	----	----	----	----	0.0464 - 0.0008	.1822	----	----	----	----	3 UNCH
250	----	----	----	----	----	0.1000 - 0.0046	.3407	----	----	----	----	5 UNCH
260	----	----	----	----	----	0.1407 - 0.0072	.4387	----	----	----	----	124 UNCH
275	----	----	----	----	----	0.2212 - 0.0120	.5925	----	----	----	----	4 UNCH
280	----	----	----	----	----	0.2532 - 0.0136	.6434	----	----	----	----	14 UNCH
300	----	----	----	----	----	0.4043 - 0.0195	.8042	----	----	----	----	9 UNCH
TOTAL												170
NOV19												
200	----	----	----	----	----	0.0149 + 0.0002	.0569	----	----	----	----	24 UNCH
225	----	----	----	----	----	0.0416 - 0.0003	.1425	----	----	----	----	8 UNCH
230	----	----	----	----	----	0.0502 - 0.0005	.1674	----	----	----	----	3 UNCH
235	----	----	----	----	----	0.0600 - 0.0008	.1949	----	----	----	----	20 UNCH
250	----	----	----	----	----	0.0993 - 0.0022	.2942	----	----	----	----	5 UNCH
260	----	----	----	----	----	0.1349 - 0.0037	.3725	----	----	----	----	120 UNCH
265	----	----	----	----	----	0.1558 - 0.0046	.4144	----	----	----	----	20 UNCH
280	----	----	----	----	----	0.2318 - 0.0083	.5450	----	----	----	----	2 UNCH
300	----	----	----	----	----	0.3638 - 0.0145	.7045	----	----	----	----	9 UNCH
TOTAL												211
DEC19												
200	----	----	----	----	----	0.0072 + 0.0005	.0291	----	----	----	----	10 UNCH
225	----	----	----	----	----	0.0224 + 0.0009	.0818	----	----	----	----	6 UNCH
230	----	----	----	----	----	0.0280 + 0.0009	.0992	----	----	----	----	3 UNCH
235	----	----	----	----	----	0.0347 + 0.0008	.1190	----	----	----	----	20 UNCH
250	----	----	----	----	----	0.0637 - 0.0004	.1950	----	----	----	----	5 UNCH
260	----	----	----	----	----	0.0916 - 0.0018	.2579	----	----	----	----	124 UNCH
265	----	----	----	----	----	0.1085 - 0.0027	.2922	----	----	----	----	20 UNCH

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



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 DEC19 to JUN21 with various contract specifications and volume data.

2019 DAILY INFORMATION BULLETIN - <http://www.cmegroup.com/dailybulletin>
CME Group, Inc.
20 South Wacker Drive, Chicago, Illinois 60606-7499.
Customer Service: (312) 930-1000



FINAL

PG63 BULLETIN # 99@ ENERGY OPTIONS Thu, May 23, 2019 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.

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											
JUL21											
230	----	----	----	----	0.0973 - 0.0028	.2691	----	----	----	----	2
250	----	----	----	----	0.1762 - 0.0046	.4158	----	----	----	----	31
TOTAL											33
AUG21											
230	----	----	----	----	0.0965 - 0.0029	.2648	----	----	----	----	2
250	----	----	----	----	0.1743 - 0.0046	.4091	----	----	----	----	31
TOTAL											33
SEP21											
230	----	----	----	----	0.1000 - 0.0030	.2704	----	----	----	----	1
250	----	----	----	----	0.1789 - 0.0047	.4143	----	----	----	----	30
TOTAL											31
OCT21											
230	----	----	----	----	0.0972 - 0.0029	.2587	----	----	----	----	1
250	----	----	----	----	0.1734 - 0.0044	.3972	----	----	----	----	31
TOTAL											32
NOV21											
230	----	----	----	----	0.0884 - 0.0026	.2322	----	----	----	----	1
250	----	----	----	----	0.1594 - 0.0041	.3607	----	----	----	----	30
TOTAL											31
DEC21											
230	----	----	----	----	0.0649 - 0.0019	.1651	----	----	----	----	1
250	----	----	----	----	0.1192 - 0.0030	.2658	----	----	----	----	31
TOTAL											32
JAN22											
230	----	----	----	----	0.0688 - 0.0018	.1489	----	----	----	----	1
TOTAL											1
FEB22											
230	----	----	----	----	0.0963 - 0.0020	.1786	----	----	----	----	1
TOTAL											1
MAR22											
230	----	----	----	----	0.1364 - 0.0026	.2270	----	----	----	----	1
TOTAL											1
APR22											
230	----	----	----	----	0.1324 - 0.0034	.3064	----	----	----	----	1
TOTAL											1
MAY22											
230	----	----	----	----	0.1320 - 0.0034	.3195	----	----	----	----	1
TOTAL											1
FA PUT HO 1 MONTH CALENDAR OPTIONS											
AUG19											
- 100	----	----	----	----	0.0009 + 0.0001	.2666	----	----	----	----	500
TOTAL											500
SEP19											
- 90	----	----	----	----	0.0013 + 0.0002	.3268	----	----	----	----	500
TOTAL											500
4J CALL MT BELVIEU ETHANE 5-DCML (OPIS)											
MAY19											
3100	----	----	----	----	0.00001 UNCH	.0010	----	----	----	----	75
TOTAL											75
JUN19											
3100	----	----	----	----	0.00001 -0.00002	.0013	----	----	----	----	75
TOTAL											75
JUL19											
3100	----	----	----	----	0.00038 -0.00030	.0275	----	----	----	----	75
TOTAL											75
AUG19											
3100	----	----	----	----	0.00177 -0.00082	.0872	----	----	----	----	75
TOTAL											75
SEP19											
3100	----	----	----	----	0.00407 -0.00135	.1540	----	----	----	----	75
TOTAL											75
OCT19											
3100	----	----	----	----	0.00688 -0.00182	.2154	----	----	----	----	75
TOTAL											75
NOV19											
3100	----	----	----	----	0.01023 -0.00205	.2730	----	----	----	----	75
TOTAL											75
DEC19											
3100	----	----	----	----	0.01291 -0.00230	.3101	----	----	----	----	75
TOTAL											75
4J PUT MT BELVIEU ETHANE 5-DCML (OPIS)											
JUL19											
2200	----	----	----	----	0.01264 +0.00275	.4264	----	----	----	----	200
TOTAL											200
4K CALL MT BELVIEU NRM BUTANE 5-DCML (OPIS)											
OCT19											
9500	----	----	----	----	0.02011 -0.00735	.1893	----	----	----	----	10
TOTAL											10
NOV19											
9500	----	----	----	----	0.02182 -0.00770	.2007	----	----	----	----	10
TOTAL											10
DEC19											
9500	----	----	----	----	0.02311 -0.00812	.2092	----	----	----	----	10
TOTAL											10
JAN20											
9500	----	----	----	----	0.02343 -0.00818	.2118	----	----	----	----	10
TOTAL											10
4K PUT MT BELVIEU NRM BUTANE 5-DCML (OPIS)											
OCT19											
7000	----	----	----	----	0.10242 +0.01394	.4805	----	----	----	----	10
TOTAL											10
NOV19											
7000	----	----	----	----	0.09686 +0.01007	.4622	----	----	----	----	10
TOTAL											10
DEC19											



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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
4K PUT DEC19 MT BELVIEU NRM BUTANE 5-DCML (OPIS)											
7000	----	----	----	----	0.09258 +).00552	.4483	----	----	----	----	10 UNCH
TOTAL											10
JAN20											
7000	----	----	----	----	0.08975 +).00202	.4412	----	----	----	----	10 UNCH
TOTAL											10
4H CALL MAY19 MT BELVIEU PROPANE 5-DCML (OPIS)											
8800	----	----	----	----	0.00001 UNCH	.0003	----	----	----	----	2 UNCH
9000	----	----	----	----	0.00001 UNCH	.0001	----	----	----	----	3 UNCH
9500	----	----	----	----	0.00001 UNCH	.0000	----	----	----	----	1 UNCH
10500	----	----	----	----	0.00001 UNCH	----	----	----	----	----	1 UNCH
TOTAL											7
JUN19											
8800	----	----	----	----	0.00001 UNCH	.0004	----	----	----	----	2 UNCH
TOTAL											2
JUL19											
7500	----	----	----	----	0.00023 -.0.00063	.0096	----	----	----	----	100 UNCH
8000	----	----	----	----	0.00006 -.0.00019	.0027	----	----	----	----	100 UNCH
TOTAL											200
AUG19											
7500	----	----	----	----	0.00182 -.0.00234	.0502	----	----	----	----	100 UNCH
8000	----	----	----	----	0.00069 -.0.00106	.0210	----	----	----	----	100 UNCH
TOTAL											200
SEP19											
6900	----	----	----	----	0.01231 -.0.00781	.2175	----	----	----	----	2 UNCH
7500	----	----	----	----	0.00526 -.0.00408	.1083	----	----	----	----	100 UNCH
8000	----	----	----	----	0.00257 -.0.00223	.0581	----	----	----	----	100 UNCH
TOTAL											202
OCT19											
6900	----	----	----	----	0.02901 -.0.01063	.3337	----	----	----	----	3 UNCH
7450	----	----	----	----	0.01822 -.0.00757	.2323	----	----	----	----	1 UNCH
7500	----	----	----	----	0.01745 -.0.00733	.2244	----	----	----	----	100 UNCH
7800	----	----	----	----	0.01345 -.0.00600	.1816	----	----	----	----	2 UNCH
8000	----	----	----	----	0.01129 -.0.00523	.1571	----	----	----	----	150 UNCH
TOTAL											256
NOV19											
6700	----	----	----	----	0.04564 -.0.01266	.4255	----	----	----	----	2 UNCH
6900	----	----	----	----	0.03993 -.0.01158	.3856	----	----	----	----	4 UNCH
7450	----	----	----	----	0.02733 -.0.00888	.2889	----	----	----	----	1 UNCH
7500	----	----	----	----	0.02639 -.0.00865	.2811	----	----	----	----	100 UNCH
7800	----	----	----	----	0.02137 -.0.00737	.2378	----	----	----	----	4 UNCH
8000	----	----	----	----	0.01855 -.0.00662	.2121	----	----	----	----	150 UNCH
TOTAL											261
DEC19											
6700	----	----	----	----	0.05451 -.0.01335	.4558	----	----	----	----	2 UNCH
6900	----	----	----	----	0.04844 -.0.01237	.4184	----	----	----	----	8 UNCH
7450	----	----	----	----	0.03471 -.0.00983	.3258	----	----	----	----	1 UNCH
7500	----	----	----	----	0.03366 -.0.00961	.3182	----	----	----	----	100 UNCH
7800	----	----	----	----	0.02795 -.0.00838	.2753	----	----	----	----	7 UNCH
8000	----	----	----	----	0.02469 -.0.00762	.2495	----	----	----	----	150 UNCH
10500	----	----	----	----	0.00502 -.0.00211	.0652	----	----	----	----	3 UNCH
TOTAL											271
JAN20											
6700	----	----	----	----	0.06327 -.0.01325	.4811	----	----	----	----	2 UNCH
6900	----	----	----	----	0.05693 -.0.01241	.4459	----	----	----	----	8 UNCH
7450	----	----	----	----	0.04229 -.0.01014	.3578	----	----	----	----	1 UNCH
7800	----	----	----	----	0.03487 -.0.00882	.3086	----	----	----	----	6 UNCH
8000	----	----	----	----	0.03122 -.0.00812	.2831	----	----	----	----	60 UNCH
8800	----	----	----	----	0.02000 -.0.00578	.1979	----	----	----	----	1 UNCH
9100	----	----	----	----	0.01688 -.0.00508	.1721	----	----	----	----	1 UNCH
10500	----	----	----	----	0.00764 -.0.00266	.0880	----	----	----	----	4 UNCH
TOTAL											83
FEB20											
6700	----	----	----	----	0.06563 -.0.01294	.4840	----	----	----	----	2 UNCH
6900	----	----	----	----	0.05933 -.0.01214	.4501	----	----	----	----	8 UNCH
7450	----	----	----	----	0.04468 -.0.01002	.3649	----	----	----	----	1 UNCH
7800	----	----	----	----	0.03719 -.0.00878	.3172	----	----	----	----	6 UNCH
8000	----	----	----	----	0.03348 -.0.00810	.2922	----	----	----	----	60 UNCH
8800	----	----	----	----	0.02195 -.0.00587	.2084	----	----	----	----	1 UNCH
9100	----	----	----	----	0.01870 -.0.00520	.1827	----	----	----	----	1 UNCH
10500	----	----	----	----	0.00884 -.0.00283	.0972	----	----	----	----	3 UNCH
TOTAL											82
MAR20											
6400	----	----	----	----	0.06478 -.0.01315	.4946	----	----	----	----	1 UNCH
6700	----	----	----	----	0.05534 -.0.01191	.4415	----	----	----	----	1 UNCH
6900	----	----	----	----	0.04973 -.0.01109	.4081	----	----	----	----	7 UNCH
7450	----	----	----	----	0.03688 -.0.00899	.3256	----	----	----	----	1 UNCH
7800	----	----	----	----	0.03044 -.0.00778	.2802	----	----	----	----	5 UNCH
8000	----	----	----	----	0.02728 -.0.00715	.2569	----	----	----	----	60 UNCH
TOTAL											75
APR20											
6700	----	----	----	----	0.03443 -.0.00996	.3602	----	----	----	----	1 UNCH
6900	----	----	----	----	0.02958 -.0.00897	.3216	----	----	----	----	4 UNCH
7800	----	----	----	----	0.01452 -.0.00530	.1841	----	----	----	----	1 UNCH
TOTAL											6
MAY20											
6900	----	----	----	----	0.03090 -.0.00876	.3249	----	----	----	----	3 UNCH
7800	----	----	----	----	0.01577 -.0.00532	.1918	----	----	----	----	1 UNCH
TOTAL											4
4H PUT MAY19 MT BELVIEU PROPANE 5-DCML (OPIS)											
5000	----	----	----	----	0.00001 UNCH	.0008	----	----	----	----	35 UNCH
7500	----	----	----	----	0.17465 +).00995	.9967	----	----	----	----	50 UNCH
7800	----	----	----	----	0.20463 +).00995	.9983	----	----	----	----	10 UNCH
8300	----	----	----	----	0.25460 +).00995	.9993	----	----	----	----	2 UNCH
TOTAL											97
JUN19											
5000	----	----	----	----	0.00337 +).00276	.1504	----	----	----	----	35 UNCH
7500	----	----	----	----	0.21075 +).03617	.9964	----	----	----	----	50 UNCH
7800	----	----	----	----	0.24068 +).03618	.9979	----	----	----	----	10 UNCH
8300	----	----	----	----	0.29056 +).03618	.9991	----	----	----	----	2 UNCH
TOTAL											97
JUL19											
5000	----	----	----	----	0.00640 +).00374	.1668	----	----	----	----	35 UNCH
7800	----	----	----	----	0.22159 +).03268	.9954	----	----	----	----	10 UNCH
TOTAL											45
AUG19											
5000	----	----	----	----	0.00850 +).00395	.1661	----	----	----	----	35 UNCH
7800	----	----	----	----	0.20593 +).03021	.9699	----	----	----	----	10 UNCH



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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.

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.



FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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	
G3 PUT OCT19 NATURAL GAS 3 M CSO FIN													
- 400	----	----	----	----	----	0.037 UNCH	.3564	----	----	----	----	6800	UNCH
- 350	----	----	----	----	----	0.056 - 0.001	.4837	----	----	----	----	1650	UNCH
- 300	----	----	----	----	----	0.081 - 0.002	.6207	----	----	----	----	1600	UNCH
TOTAL												18150	
NOV19													
- 250	----	----	----	----	----	0.047 - 0.003	.4322	----	----	----	----	200	UNCH
TOTAL												200	
G5 PUT NOV19 NATURAL GAS 5 M CSO FIN													
0	----	----	----	----	----	0.041 - 0.007	.2777	----	----	----	----	250	UNCH
TOTAL												250	
G6 CALL APR20 NATURAL GAS 6 M CSO FIN													
0	----	----	----	----	----	0.043 + 0.001	.3698	----	----	----	----	4050	UNCH
TOTAL												4050	
G6 PUT APR20 NATURAL GAS 6 M CSO FIN													
- 200	----	----	----	----	----	0.016 + 0.001	.1832	----	----	----	----	3250	UNCH
- 150	----	----	----	----	----	0.028 + 0.001	.2797	----	----	----	----	800	UNCH
- 100	----	----	----	----	----	0.045 UNCH	.3928	----	----	----	----	1250	UNCH
- 50	----	----	----	----	----	0.069 + 0.001	.5145	----	----	----	----	2000	UNCH
TOTAL												7300	
6J CALL JAN20 NATURAL GAS OPTION ON CALENDAR STRP													
2750	----	----	----	----	----	0.0974 + 0.0031	.4542	----	----	----	----	1260	UNCH
2800	----	----	----	----	----	0.0791 + 0.0027	.3920	----	----	----	----	800	UNCH
3000	----	----	----	----	----	0.0312 + 0.0013	.1919	----	----	----	----	640	UNCH
3250	----	----	----	----	----	0.0081 + 0.0004	.0616	----	----	----	----	2200	UNCH
TOTAL												4900	
JAN21													
2750	----	----	----	----	----	0.1174 + 0.0059	.4357	----	----	----	----	1400	UNCH
3500	----	----	----	----	----	0.0040 + 0.0005	.0290	----	----	----	----	256	UNCH
4000	----	----	----	----	----	0.0003 UNCH	.0027	----	----	----	----	256	UNCH
TOTAL												1912	
JAN22													
2700	----	----	----	----	----	0.1624 + 0.0056	.4975	----	----	----	----	400	UNCH
3500	----	----	----	----	----	0.0141 + 0.0009	.0718	----	----	----	----	124	UNCH
TOTAL												524	
JAN23													
3500	----	----	----	----	----	0.0344 + 0.0016	.1332	----	----	----	----	124	UNCH
TOTAL												124	
JAN25													
4000	----	----	----	----	----	0.0592 + 0.0019	.1584	----	----	----	----	124	UNCH
TOTAL												124	
6J PUT JAN20 NATURAL GAS OPTION ON CALENDAR STRP													
2500	----	----	----	----	----	0.0395 - 0.0019	.2229	----	----	----	----	1200	UNCH
2600	----	----	----	----	----	0.0733 - 0.0029	.3471	----	----	----	----	500	UNCH
2650	----	----	----	----	----	0.0953 - 0.0034	.4137	----	----	----	----	600	UNCH
2750	----	----	----	----	----	0.1485 - 0.0045	.5457	----	----	----	----	800	UNCH
TOTAL												3100	
6I CALL NOV19 NATURAL GAS OPTION ON WINTER STRP													
3000	----	----	----	----	----	0.1218 + 0.0078	.4123	----	----	----	----	100	UNCH
TOTAL												100	
6I PUT NOV19 NATURAL GAS OPTION ON WINTER STRP													
2800	----	----	----	----	----	0.1452 - 0.0092	.4116	----	----	----	----	1200	UNCH
TOTAL												1200	
ZR CALL DEC19 NORTHERN ROCKIES PIPE OPTION													
3000	----	----	----	----	----	0.1908 + 0.0123	.4858	----	----	----	----	62	UNCH
3300	----	----	----	----	----	0.1051 + 0.0066	.3083	----	----	----	----	124	UNCH
3500	----	----	----	----	----	0.0711 + 0.0038	.2230	----	----	----	----	186	UNCH
3750	----	----	----	----	----	0.0452 + 0.0020	.1498	----	----	----	----	186	UNCH
TOTAL												558	
JAN20													
3000	----	----	----	----	----	0.2557 + 0.0079	.5115	----	----	----	----	62	UNCH
3300	----	----	----	----	----	0.1726 + 0.0035	.3737	----	----	----	----	124	UNCH
3500	----	----	----	----	----	0.1364 + 0.0024	.3047	----	----	----	----	186	UNCH
3750	----	----	----	----	----	0.1048 + 0.0019	.2396	----	----	----	----	310	UNCH
TOTAL												682	
FEB20													
3000	----	----	----	----	----	0.2360 + 0.0071	.4541	----	----	----	----	58	UNCH
3300	----	----	----	----	----	0.1707 + 0.0051	.3458	----	----	----	----	116	UNCH
3500	----	----	----	----	----	0.1405 + 0.0044	.2909	----	----	----	----	174	UNCH
3750	----	----	----	----	----	0.1129 + 0.0040	.2378	----	----	----	----	290	UNCH
TOTAL												638	
LC CALL JUL19 NYMEX CRUDE OIL (EURO) OPTS (PHY)													
3000	----	----	----	----	----	27.86 - 3.51	.9980	----	----	----	----	960	UNCH
6500	----	----	----	----	----	0.11 - 0.29	.0578	----	----	----	----	11	UNCH
6700	----	----	----	----	----	0.06 - 0.11	.0316	----	----	----	----	10	UNCH
7000	----	----	----	----	----	0.03 - 0.03	.0151	----	----	----	----	10	UNCH
7200	----	----	----	----	----	0.02 - 0.01	.0098	----	----	----	----	1	UNCH
7500	----	----	----	----	----	0.01 UNCH	.0047	----	----	----	----	20	UNCH
9000	----	----	----	----	----	0.01 UNCH	----	----	----	----	----	10	UNCH
9600	----	----	----	----	----	0.01 UNCH	----	----	----	----	----	10	UNCH
10000	----	----	----	----	----	0.01 UNCH	----	----	----	----	----	50	UNCH
11000	----	----	----	----	----	0.01 UNCH	----	----	----	----	----	100	UNCH
13000	----	----	----	----	----	0.01 UNCH	----	----	----	----	----	960	UNCH
TOTAL												2142	
AUG19													
3000	----	----	----	----	----	27.89 - 3.50	.9979	----	----	----	100	120 +	100
6500	----	----	----	----	----	0.51 - 0.65	.1582	----	----	----	----	1	UNCH



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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.

LC 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
NYMEX CRUDE OIL (EURO) OPTS (PHY)												
AUG19												
7200	----	----	----	----	----	0.10 - 0.10	.0366	----	----	----	----	1 UNCH
9000	----	----	----	----	----	0.01 - 0.01	.0034	----	----	----	----	10 UNCH
9600	----	----	----	----	----	0.01 UNCH	.0009	----	----	----	----	10 UNCH
10000	----	----	----	----	----	0.01 UNCH	.0003	----	----	----	----	50 UNCH
11000	----	----	----	----	----	0.01 UNCH	.0000	----	----	----	----	100 UNCH
13000	----	----	----	----	----	0.01 UNCH	----	----	----	----	100	120 + 100
TOTAL											200	412 + 200
SEP19												
3000	----	----	----	----	----	27.85 - 3.46	.9978	----	----	----	----	810 UNCH
6500	----	----	----	----	----	0.94 - 0.78	.2193	----	----	----	----	1 UNCH
7200	----	----	----	----	----	0.23 - 0.18	.0670	----	----	----	----	1 UNCH
9000	----	----	----	----	----	0.03 - 0.01	.0087	----	----	----	----	10 UNCH
9600	----	----	----	----	----	0.02 UNCH	.0056	----	----	----	----	10 UNCH
10000	----	----	----	----	----	0.01 - 0.01	.0029	----	----	----	----	50 UNCH
11000	----	----	----	----	----	0.01 UNCH	.0005	----	----	----	----	100 UNCH
13000	----	----	----	----	----	0.01 UNCH	.0000	----	----	----	----	810 UNCH
TOTAL												1792
OCT19												
6500	----	----	----	----	----	1.37 - 0.83	.2611	----	----	----	----	1 UNCH
7200	----	----	----	----	----	0.43 - 0.22	.1018	----	----	----	----	1 UNCH
10000	----	----	----	----	----	0.03 - 0.01	.0075	----	----	----	----	50 UNCH
11000	----	----	----	----	----	0.01 UNCH	.0026	----	----	----	----	100 UNCH
TOTAL												152
NOV19												
6500	----	----	----	----	----	1.69 - 0.87	.2847	----	----	----	----	1 UNCH
7200	----	----	----	----	----	0.60 - 0.27	.1251	----	----	----	----	1 UNCH
10000	----	----	----	----	----	0.05 - 0.01	.0114	----	----	----	----	50 UNCH
11000	----	----	----	----	----	0.03 UNCH	.0067	----	----	----	----	100 UNCH
TOTAL												152
DEC19												
3000	----	----	----	----	----	27.34 - 3.31	.9873	----	----	----	300	1990 + 300
6000	----	----	----	----	----	3.75 - 1.43	.4619	----	----	----	----	1500 UNCH
6500	----	----	----	----	----	1.95 - 0.85	.3000	----	----	----	----	311 UNCH
7000	----	----	----	----	----	0.98 - 0.42	.1776	----	----	----	----	310 UNCH
7200	----	----	----	----	----	0.75 - 0.29	.1425	----	----	----	----	1 UNCH
8000	----	----	----	----	----	0.31 - 0.08	.0646	----	----	----	----	165 UNCH
10000	----	----	----	----	----	0.08 UNCH	.0166	----	----	----	----	50 UNCH
10500	----	----	----	----	----	0.06 UNCH	.0125	----	----	----	----	200 UNCH
11000	----	----	----	----	----	0.05 UNCH	.0102	----	----	----	----	100 UNCH
13000	----	----	----	----	----	0.01 UNCH	.0022	----	----	----	300	1990 + 300
TOTAL											600	6617 + 600
JUN20												
6400	----	----	----	----	----	3.02 - 0.75	.3515	----	----	----	----	50 UNCH
7000	----	----	----	----	----	1.52 - 0.35	.2162	----	----	----	----	2650 UNCH
TOTAL												2700
DEC20												
5000	----	----	----	----	----	9.84 - 1.24	.6675	----	----	----	----	116 UNCH
6500	----	----	----	----	----	3.02 - 0.43	.3306	----	----	----	----	2116 UNCH
7000	----	----	----	----	----	1.88 - 0.19	.2350	----	----	----	----	250 UNCH
10000	----	----	----	----	----	0.22 - 0.01	.0361	----	----	----	----	60 UNCH
12500	----	----	----	----	----	0.09 UNCH	.0146	----	----	----	----	10000 UNCH
15000	----	----	----	----	----	0.04 UNCH	.0065	----	----	----	----	30 UNCH
TOTAL												14572
DEC21												
9000	----	----	----	----	----	0.73 + 0.04	.0947	----	----	----	----	40 UNCH
TOTAL												40
DEC22												
7000	----	----	----	----	----	3.30 + 0.11	.2995	----	----	----	----	31 UNCH
10000	----	----	----	----	----	0.76 + 0.11	.0884	----	----	----	----	410 UNCH
10500	----	----	----	----	----	0.64 + 0.10	.0753	----	----	----	----	490 UNCH
TOTAL												931
DEC23												
5400	----	----	----	----	----	9.00 - 0.05	.5630	----	----	----	----	615 UNCH
6500	----	----	----	----	----	5.31 + 0.19	.3982	----	----	----	----	3107 UNCH
10000	----	----	----	----	----	1.13 + 0.19	.1160	----	----	----	----	70 UNCH
TOTAL												3792
NYMEX CRUDE OIL (EURO) OPTS (PHY)												
JUL19												
3000	----	----	----	----	----	0.01 UNCH	.0019	----	----	----	----	960 UNCH
4500	----	----	----	----	----	0.04 + 0.03	.0140	----	----	----	----	1 UNCH
4800	----	----	----	----	----	0.10 + 0.08	.0353	----	----	----	----	640 UNCH
5000	----	----	----	----	----	0.18 + 0.14	.0635	----	----	----	----	50 UNCH
5500	----	----	----	----	----	0.78 + 0.58	.2521	----	----	----	----	15 UNCH
5800	----	----	----	----	----	1.79 + 1.27	.4936	----	----	----	----	51 UNCH
6300	----	----	----	----	----	5.33 + 2.84	.8821	----	----	----	----	10 UNCH
6500	----	----	----	----	----	7.19 + 3.22	.9421	----	----	----	----	10 UNCH
13000	----	----	----	----	----	71.97 + 3.51	1.0000	----	----	----	----	960 UNCH
TOTAL												2697
AUG19												
3000	----	----	----	----	----	0.01 UNCH	.0020	----	----	----	100	120 + 100
4500	----	----	----	----	----	0.21 + 0.13	.0487	----	----	----	----	1 UNCH
5200	----	----	----	----	----	0.95 NEW	.1955	----	----	----	20	20 + 20
5250	----	----	----	----	----	1.05 + 0.63	.2132	----	----	----	----	640 UNCH
5400	----	----	----	----	----	1.40 NEW	.2726	----	----	----	20	20 + 20
5500	----	----	----	----	----	1.68 NEW	.3176	----	----	----	20	20 + 20
5700	----	----	----	----	----	2.37 NEW	.4200	----	----	----	20	20 + 20
5800	----	----	----	----	----	2.80 + 1.47	.4766	----	----	----	20	21 + 20
6000	----	----	----	----	----	3.85 NEW	.5944	----	----	----	20	20 + 20
13000	----	----	----	----	----	71.75 + 3.50	1.0000	----	----	----	100	120 + 100
TOTAL											320	1002 + 320
SEP19												
3000	----	----	----	----	----	0.01 UNCH	.0021	----	----	----	----	810 UNCH
4500	----	----	----	----	----	0.40 + 0.22	.0743	----	----	----	----	1 UNCH
5800	----	----	----	----	----	3.48 + 1.54	.4706	----	----	----	----	1 UNCH
13000	----	----	----	----	----	71.61 + 3.47	.9999	----	----	----	----	810 UNCH
TOTAL												1622
OCT19												
4500	----	----	----	----	----	0.66 + 0.35	.1003	----	----	----	----	21 UNCH
5000	----	----	----	----	----	1.49 + 0.72	.2036	----	----	----	----	20 UNCH
5500	----	----	----	----	----	2.90 + 1.23	.3555	----	----	----	----	20 UNCH
5800	----	----	----	----	----	4.11 + 1.59	.4686	----	----	----	----	1 UNCH
TOTAL												62
NOV19												
4500	----	----	----	----	----	0.93 + 0.47	.1216	----	----	----	----	1 UNCH
5800	----	----	----	----	----	4.64 + 1.64	.4691	----	----	----	----	1 UNCH
TOTAL												2
DEC19												
3000	----	----	----	----	----	0.09 + 0.05	.0126	----	----	----	300	1990 + 300
4000	----	----	----	----	----	0.54 + 0.29	.0694	----	----	----	----	100 UNCH
4500	----	----	----	----	----	1.18 + 0.57	.1384	----	----	----	----	117 UNCH
5800	----	----	----	----	----	5.14 + 1.69	.4713	----	----	----	----	1 UNCH
13000	----	----	----	----	----	71.62 + 3.37	.9977	----	----	----	300	1990 + 300
TOTAL		</										



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: LC 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 JUN20 and DEC20 contracts.

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 JUL19 contracts.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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: LO CALL, 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 JUL19 and AUG19 contracts.

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.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 LO CALL AUG19, SEP19, and various contract months like 3750, 3900, 4000, etc.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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: 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 SEP19 and OCT19 contracts for various oil options.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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: 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 OCT19, NOV19, and various contract months with their respective prices and volumes.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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: 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 NOV19, DEC19, and various contract months.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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: LO CALL, 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. Rows include months like DEC19, JAN20, FEB20, MAR20, APR20, MAY20.

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.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 MAY20 to 6700.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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: 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, JUN21, DEC21, DEC22, DEC23, and LO PUT JUL19.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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) for JUL19 and AUG19.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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: LO PUT AUG19, 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 various contract months from AUG19 to SEP19.

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.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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: 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 OCT19.

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.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: LO, PUT, OPEN, OUTCRY, GLOBEX, OPEN, OUTCRY, SETT.PRICE & PT.CHGE., DELTA, EXER, CISES, OPEN, GLOBEX, PNT, OPEN. Rows include NYMEX CRUDE OIL OPTIONS (PHY) for months OCT19, NOV19, and DEC19.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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) with various contract specifications and prices.

TOTAL JAN20 4250 0.93 0.93 #0.93/*0.93 #1.30B/---- 1.00 NEW .1127 1.24 + 0.56 .1358 1 1 1 + 1 4400 ---- 1 1 1 UNCH

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



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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.

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
NYMEX CRUDE OIL OPTIONS (PHY)												
JAN20												
4500	1.30	1.30	1.49B/1.30	1.49B/1.30	----	1.42 + 0.63	.1526	----	----	4	----	647 - 4
5000	1.80	1.80	#2.75B/1.76A	#2.75B/1.76A	----	2.61 + 1.02	.2548	----	----	2	----	155 + 1
5200	----	----	3.39B/----	3.39B/----	----	3.22 + 1.17	.3035	----	----	----	----	6 UNCH
5500	----	----	#4.51B/----	#4.51B/----	----	4.30 + 1.42	.3845	----	----	----	----	582 UNCH
5550	----	----	#4.72B/----	#4.72B/----	----	4.49 + 1.46	.3989	----	----	----	----	1 UNCH
5700	----	----	#5.36B/----	#5.36B/----	----	5.13 + 1.61	.4436	----	----	----	----	5 UNCH
5750	----	----	#5.60B/----	#5.60B/----	----	5.36 + 1.67	.4589	----	----	----	----	500 UNCH
5800	----	----	#5.84B/----	#5.84B/----	----	5.59 + 1.71	.4743	----	----	----	----	250 UNCH
5850	----	----	#6.09B/----	#6.09B/----	----	5.84 + 1.77	.4898	----	----	----	----	251 UNCH
6000	----	----	6.88B/----	6.88B/----	----	6.63 + 1.94	.5367	----	----	----	----	2 UNCH
6250	----	----	#7.59B/----	#7.59B/----	----	8.09 + 2.22	.6147	----	----	----	----	15 UNCH
6400	----	----	7.22B/----	7.22B/----	----	9.06 + 2.38	.6600	----	----	----	----	50 UNCH
7000	----	----	----	----	----	13.70 + 2.91	.8064	----	----	----	----	100 UNCH
TOTAL										7		2566 - 2
FEB20												
4000	0.75	0.75	#0.75/*0.75	#0.75/*0.75	----	0.83 NEW	.0909	----	----	1	----	1 + 1
4400	1.22	1.22	#1.53B/*1.22	#1.53B/*1.22	----	1.46 NEW	.1483	----	----	5	----	5 + 5
4500	0.98	0.98	#1.72B/0.98	#1.72B/0.98	----	1.66 + 0.68	.1654	----	----	3	----	203 + 3
4650	----	----	#2.07B/----	#2.07B/----	----	1.99 + 0.79	.1930	----	----	----	----	65 UNCH
4700	----	----	#2.20B/----	#2.20B/----	----	2.12 + 0.84	.2031	----	----	----	----	5 UNCH
5000	----	----	#2.81B/----	#2.81B/----	----	2.94 + 1.07	.2669	----	----	----	----	2 UNCH
5500	----	----	#4.96B/----	#4.96B/----	----	4.68 + 1.43	.3923	----	----	----	----	200 UNCH
5700	----	----	#5.76B/----	#5.76B/----	----	5.54 + 1.62	.4489	----	----	----	----	1 UNCH
5800	----	----	#6.24B/----	#6.24B/----	----	6.02 + 1.73	.4781	----	----	----	----	3 UNCH
6000	----	----	#7.27B/----	#7.27B/----	----	7.07 + 1.95	.5370	----	----	----	----	301 UNCH
6800	----	----	----	----	----	12.43 + 2.76	.7559	----	----	----	----	3 UNCH
TOTAL										9		789 + 9
MAR20												
3850	0.71	0.71	#0.71/*0.71	#0.71/*0.71	----	0.79 NEW	.0831	----	----	1	----	1 + 1
4000	----	----	1.00B/----	1.00B/----	----	0.98 + 0.39	.1006	----	----	----	----	2589 UNCH
4300	----	----	#1.54B/----	#1.54B/----	----	1.48 + 0.58	.1434	----	----	----	----	652 UNCH
4500	----	----	1.97B/----	1.97B/----	----	1.90 + 0.73	.1771	----	----	400	----	3303 + 250
5000	----	----	#3.44B/----	#3.44B/----	----	3.26 + 1.11	.2774	----	----	237	----	3675 + 237
5100	----	----	#3.73B/----	#3.73B/----	----	3.58 + 1.18	.3000	----	----	1	----	200 UNCH
5200	----	----	#4.08B/----	#4.08B/----	----	3.92 + 1.24	.3235	----	----	----	----	100 UNCH
5300	----	----	#4.43B/----	#4.43B/----	----	4.28 + 1.31	.3479	----	----	----	----	550 UNCH
5350	----	----	#4.65B/----	#4.65B/----	----	4.47 + 1.35	.3604	----	----	----	----	1 UNCH
5400	----	----	#4.85B/----	#4.85B/----	----	4.66 + 1.39	.3731	----	----	----	----	400 UNCH
5500	----	----	#5.33B/----	#5.33B/----	----	5.06 + 1.47	.3992	----	----	----	----	8360 UNCH
5700	----	----	#6.15B/----	#6.15B/----	----	5.92 + 1.63	.4536	----	----	----	----	50 UNCH
5850	----	----	#6.87B/----	#6.87B/----	----	6.64 + 1.76	.4960	----	----	----	----	4 UNCH
5900	----	----	#7.13B/----	#7.13B/----	----	6.89 + 1.81	.5103	----	----	237	----	237 + 87
6000	----	----	#7.66B/----	#7.66B/----	----	7.41 + 1.89	.5393	----	----	----	----	1521 UNCH
6050	----	----	#7.94B/----	#7.94B/----	----	7.68 + 1.94	.5538	----	----	----	----	93 UNCH
7000	----	----	----	----	----	14.33 + 2.77	.7970	----	----	----	----	200 UNCH
TOTAL										476	400	21936 + 575
APR20												
5000	----	----	----	----	----	3.54 + 1.15	.2865	----	----	----	----	2 UNCH
6000	----	----	----	----	----	7.79 + 1.90	.5420	----	----	----	----	1 UNCH
TOTAL												3
MAY20												
6000	----	----	----	----	----	8.12 + 1.90	.5439	----	----	----	----	1 UNCH
TOTAL												1
JUN20												
3000	----	----	0.24B/----	0.24B/----	----	0.31 + 0.14	.0323	----	----	----	----	300 UNCH
3400	----	----	----	----	----	0.58 + 0.25	.0579	----	----	----	----	500 UNCH
3500	----	----	0.61B/----	0.61B/----	----	0.68 + 0.29	.0964	----	----	----	----	1000 UNCH
3800	1.05	1.05	#1.06B/*1.05	#1.06B/*1.05	----	1.06 + 0.45	.0987	----	----	2	----	502 + 2
3900	----	----	#1.23B/----	#1.23B/----	----	1.22 + 0.52	.1109	----	----	----	----	200 UNCH
4000	----	----	1.41B/----	1.41B/----	----	1.39 + 0.58	.1241	----	----	688	----	3572 + 688
4100	----	----	#1.61B/----	#1.61B/----	----	1.59 + 0.65	.1387	----	----	203	----	204 + 202
4200	----	----	1.83B/----	1.83B/----	----	1.79 + 0.71	.1535	----	----	----	----	802 UNCH
4400	----	----	#2.30B/----	#2.30B/----	----	2.26 + 0.84	.1863	----	----	----	----	320 UNCH
4500	----	----	2.38B/----	2.38B/----	----	2.52 + 0.91	.2038	----	----	620	----	8339 + 234
4700	----	----	#2.83B/----	#2.83B/----	----	3.08 + 1.04	.2408	----	----	----	----	542 UNCH
4800	----	----	3.12B/----	3.12B/----	----	3.39 + 1.10	.2604	----	----	----	----	200 UNCH
4900	----	----	#3.79B/----	#3.79B/----	----	3.70 + 1.15	.2805	----	----	688	----	1458 + 688
4950	----	----	#3.96B/----	#3.96B/----	----	3.87 + 1.18	.2910	----	----	----	----	200 UNCH
5000	----	----	4.13B/----	4.13B/----	----	4.04 + 1.21	.3015	----	----	1285	1150	10020 + 435
5200	----	----	#4.87B/----	#4.87B/----	----	4.76 + 1.32	.3455	----	----	----	----	550 UNCH
5250	----	----	#5.06B/----	#5.06B/----	----	4.95 + 1.34	.3569	----	----	----	----	250 UNCH
5300	----	----	#5.26B/----	#5.26B/----	----	5.15 + 1.38	.3685	----	----	----	----	106 UNCH
5350	----	----	#5.47B/----	#5.47B/----	----	5.35 + 1.41	.3803	----	----	----	----	50 UNCH
5400	----	----	#5.68B/----	#5.68B/----	----	5.56 + 1.44	.3922	----	----	----	----	884 UNCH
5500	5.00	5.00	6.17B/4.95A	6.17B/4.95A	----	5.99 + 1.51	.4165	----	----	1514	----	14427 + 265
5600	----	----	#6.56B/----	#6.56B/----	----	6.44 + 1.58	.4414	----	----	----	----	1003 UNCH
5700	----	----	#7.03B/----	#7.03B/----	----	6.90 + 1.65	.4667	----	----	----	----	351 UNCH
5750	6.00	6.00	#7.27B/*6.00	#7.27B/*6.00	----	7.15 NEW	.4795	----	----	2	----	2 + 2
5800	----	----	#7.54B/----	#7.54B/----	----	7.39 + 1.74	.4925	----	----	----	----	700 UNCH
5850	----	----	#7.77B/----	#7.77B/----	----	7.64 + 1.78	.5055	----	----	----	----	1150 UNCH
5900	----	----	#8.03B/----	#8.03B/----	----	7.90 + 1.82	.5185	----	----	----	----	2887 UNCH
5950	----	----	#8.32B/----	#8.32B/----	----	8.17 + 1.86	.5316	----	----	----	----	1000 UNCH
6000	----	----	8.59B/----	8.59B/----	----	8.44 + 1.91	.5447	----	----	----	----	2944 UNCH
6050	----	----	#8.85B/----	#8.85B/----	----	8.72 + 1.95	.5578	----	----	----	----	350 UNCH
6100	----	----	#8.86B/----	#8.86B/----	----	9.01 + 2.00	.5707	----	----	----	----	124 UNCH
6200	----	----	#9.36B/----	#9.36B/----	----	9.60 + 2.09	.5966	----	----	----	----	2315 UNCH
6500	----	----	#9.55B/----	#9.55B/----	----	11.54 + 2.37	.6731	----	----	----	----	1686 UNCH
7000	----	----	----	----	----	15.30 + 2.70	.7829	----	----	----	----	600 UNCH
TOTAL										5002	1150	59538 + 2516
JUL20												
6000	----	----	----	----	----	8.73 + 1.89	.5482	----	----	----	----	50 UNCH
TOTAL												50
SEP20												
4000	----	----	----	----	----	1.77 + 0.66	.1432	----	----	----	----	650 UNCH
4500	----	----	----	----	----	3.02 + 0.95	.2237	----	----	----	----	300 UNCH
5000	----	----	----	----	----	4.72 + 1.26	.3208	----	----	----	----	100 UNCH
TOTAL												1050
DEC20												
2000	----	----	0.49B/0.34A	0.49B/0.34A	----	0.11 + 0.05	.0102	----	----	----	----	21 UNCH
3000	----	----	----/0.49A	----/0.49A	----	0.62 + 0.25	.0527	----	----	200	----	2658 + 200
3200	----	----	1.01B/----	1.01B/----	----	0.83 + 0.33	.0684	----	----	----	----	1 UNCH
3500</												



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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, FEB21, JUN21, DEC21, DEC22, DEC23, JUN19).

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.

© Copyright CME Group Inc. All rights reserved.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 NYMEX HEATING OIL (PHY) OPTIONS for JUL19, AUG19, SEP19, and NOV19.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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: OH CALL, NOV19, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include NYMEX HEATING OIL (PHY) OPTIONS for NOV19, DEC19, JAN20, FEB20.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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: OH CALL, FEB20, MAR20, APR20, MAY20, JUN20, JUL20, SEP20, NOV20, DEC20, OH PUT, JUN19. Rows include contract details like NYMEX HEATING OIL (PHY) OPTIONS with various price points and volumes.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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: OH 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 HEATING OIL (PHY) OPTIONS for JUN19, JUL19, AUG19, SEP19, OCT19, NOV19, and DEC19.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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, 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 JUN19 and JUL19 contracts.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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, 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 AUG19 and SEP19 contracts for NYMEX NATURAL GAS (EURO) OPTS.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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, 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, OCT19, NOV19, and DEC19 contracts.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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, 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 DEC19, JAN20, and FEB20.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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, 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 FEB20, MAR20, APR20, and MAY20 contracts.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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, 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 MAY20, JUN20, JUL20, AUG20 with various contract months and their corresponding prices and volumes.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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.

LN	CALL	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX	PNT	OPEN
		OPEN	RANGE	HIGH/LOW	HIGH/LOW	CLOSE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
NYMEX NATURAL GAS (EURO) OPTS													
AUG20													
2700							0.1550 + 0.0016	.4694					281 UNCH
2710							0.1509 + 0.0015	.4612					10 UNCH
2720							0.1469 + 0.0015	.4531					20 UNCH
2730							0.1430 + 0.0015	.4450					11 UNCH
2750							0.1354 + 0.0014	.4290					435 UNCH
2760							0.1317 + 0.0013	.4210					10 UNCH
2790							0.1211 + 0.0013	.3974					11 UNCH
2800							0.1177 + 0.0012	.3897					260 UNCH
2810							0.1144 + 0.0012	.3820					11 UNCH
2820							0.1112 + 0.0012	.3744					10 UNCH
2850							0.1020 + 0.0011	.3521					3450 UNCH
2880							0.0935 + 0.0009	.3306					1 UNCH
2900							0.0883 + 0.0009	.3168					42 UNCH
2910							0.0858 + 0.0009	.3101					11 UNCH
2930							0.0809 + 0.0009	.2907					11 UNCH
2940							0.0785 + 0.0008	.2901					12 UNCH
2950							0.0762 + 0.0008	.2837					35 UNCH
2960							0.0740 + 0.0008	.2774					11 UNCH
3000							0.0657 + 0.0008	.2532					2346 UNCH
3050							0.0564 + 0.0006	.2248					26 UNCH
3100							0.0485 + 0.0005	.1993					20 UNCH
3150							0.0417 + 0.0002	.1762					66 UNCH
3250							0.0309 + 0.0004	.1373					1219 UNCH
3300							0.0267 + 0.0006	.1212					150 UNCH
3450							0.0175 + 0.0014	.0837					25 UNCH
3500							0.0153 + 0.0018	.0742					2753 UNCH
3700							0.0096 + 0.0022	.0480					10 UNCH
3750							0.0087 + 0.0021	.0436				1050	1755 + 910
4000							0.0057 + 0.0016	.0285					1150 UNCH
4250							0.0042 + 0.0011	.0206					90 UNCH
4450							0.0036 + 0.0007	.0171					50 UNCH
5000							0.0032 + 0.0001	.0136					125 UNCH
5150							0.0031 + 0.0003	.0128					25 UNCH
5200							0.0031 + 0.0003	.0127					75 UNCH
6000							0.0026 + 0.0007	.0097					26 UNCH
TOTAL												1050	15952 + 910
SEP20													
2500							0.2523 + 0.0021	.6211					50 UNCH
2550							0.2250 + 0.0020	.5820					100 UNCH
2600							0.1998 + 0.0019	.5418					1164 UNCH
2650							0.1767 + 0.0017	.5016					75 UNCH
2680							0.1638 + 0.0016	.4777					20 UNCH
2700							0.1556 + 0.0015	.4619					281 UNCH
2710							0.1517 + 0.0016	.4541					10 UNCH
2720							0.1478 + 0.0015	.4463					20 UNCH
2730							0.1440 + 0.0015	.4385					11 UNCH
2750							0.1365 + 0.0014	.4230					435 UNCH
2760							0.1329 + 0.0013	.4154					10 UNCH
2790							0.1226 + 0.0013	.3928					11 UNCH
2800							0.1193 + 0.0013	.3854					260 UNCH
2810							0.1160 + 0.0012	.3780					11 UNCH
2820							0.1129 + 0.0012	.3707					10 UNCH
2850							0.1039 + 0.0012	.3494					3450 UNCH
2880							0.0956 + 0.0010	.3288					1 UNCH
2900							0.0904 + 0.0010	.3154					42 UNCH
2910							0.0880 + 0.0010	.3091					11 UNCH
2930							0.0831 + 0.0009	.2962					11 UNCH
2940							0.0808 + 0.0009	.2899					12 UNCH
2950							0.0786 + 0.0009	.2839					35 UNCH
2960							0.0764 + 0.0009	.2778					11 UNCH
3000							0.0681 + 0.0008	.2543					2346 UNCH
3050							0.0588 + 0.0007	.2269					26 UNCH
3100							0.0509 + 0.0006	.2022					20 UNCH
3150							0.0440 + 0.0003	.1797					66 UNCH
3250							0.0330 + 0.0003	.1415					1219 UNCH
3300							0.0286 + 0.0006	.1253					150 UNCH
3450							0.0190 + 0.0014	.0877					25 UNCH
3500							0.0168 + 0.0016	.0785					2748 UNCH
3700							0.0106 + 0.0022	.0512					10 UNCH
3750							0.0095 + 0.0023	.0462				1050	1755 + 910
4000							0.0062 + 0.0018	.0303					1150 UNCH
4250							0.0046 + 0.0012	.0220					90 UNCH
4450							0.0039 + 0.0008	.0182					50 UNCH
5000							0.0033 UNCH	.0139					125 UNCH
5150							0.0033 + 0.0002	.0135					25 UNCH
5200							0.0033 + 0.0003	.0134					75 UNCH
6000							0.0029 + 0.0008	.0106					26 UNCH
TOTAL												1050	15947 + 910
OCT20													
2500							0.2750 + 0.0022	.6339					50 UNCH
2550							0.2472 + 0.0021	.5972					100 UNCH
2600							0.2213 + 0.0019	.5595					1164 UNCH
2650							0.1974 + 0.0017	.5214					75 UNCH
2680							0.1841 + 0.0016	.4987					20 UNCH
2700							0.1756 + 0.0016	.4836					281 UNCH
2710							0.1714 + 0.0015	.4761					10 UNCH
2720							0.1674 + 0.0016	.4687					20 UNCH
2730							0.1634 + 0.0015	.4612					11 UNCH
2750							0.1556 + 0.0014	.4465					435 UNCH
2760							0.1518 + 0.0014	.4391					10 UNCH
2790							0.1410 + 0.0014	.4175					11 UNCH
2800							0.1375 + 0.0014	.4103					260 UNCH
2810							0.1340 + 0.0013	.4032					11 UNCH
2820							0.1307 + 0.0013	.3962					10 UNCH
2850							0.1210 + 0.0013	.3753					3450 UNCH
2880							0.1120 + 0.0012	.3551					1 UNCH
2900							0.1063 + 0.0011	.3420					42 UNCH
2910							0.1036 + 0.0011	.3356					11 UNCH
2930							0.0984 + 0.0011	.3230					11 UNCH
2940							0.0958 + 0.0010	.3167					12 UNCH
2950							0.0934 + 0.0011	.3107					35 UNCH
2960							0.0909 + 0.0009	.3045					11 UNCH
3000							0.0818 + 0.0009	.2811					2346 UNCH
3050							0.0715 + 0.0008	.2536					25 UNCH
3100													



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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, 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 NOV20, DEC20, JAN21, FEB21, MAR21.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

LN	CALL	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX	PNT	OPEN
		OPEN	RANGE	HIGH/LOW	HIGH/LOW	CLOSE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
										VOLUME			
NYMEX NATURAL GAS (EURO) OPTS													
MAR21													
2650	----	----	----	----	----	----	0.3951 + 0.0048	.6184	----	----	----	----	180 UNCH
2700	----	----	----	----	----	----	0.3742 + 0.0046	.5953	----	----	----	----	15 UNCH
2750	----	----	----	----	----	----	0.3547 + 0.0045	.5726	----	----	----	----	1378 UNCH
2800	----	----	----	----	----	----	0.3364 + 0.0043	.5505	----	----	----	----	257 UNCH
2850	----	----	----	----	----	----	0.3195 + 0.0041	.5293	----	----	----	----	245 UNCH
2900	----	----	----	----	----	----	0.3037 + 0.0039	.5089	----	----	----	----	202 UNCH
2950	----	----	----	----	----	----	0.2891 + 0.0038	.4893	----	----	----	----	825 UNCH
3000	----	----	----	----	----	----	0.2753 + 0.0036	.4705	----	----	----	----	1199 UNCH
3150	----	----	----	----	----	----	0.2390 + 0.0032	.4188	----	----	----	----	65 UNCH
3250	----	----	----	----	----	----	0.2186 + 0.0030	.3881	----	----	----	----	585 UNCH
3500	----	----	----	----	----	----	0.1781 + 0.0024	.3237	----	----	----	----	1548 UNCH
3650	----	----	----	----	----	----	0.1596 + 0.0021	.2925	----	----	----	----	20 UNCH
3750	----	----	----	----	----	----	0.1487 + 0.0020	.2739	----	----	----	----	380 UNCH
4000	----	----	----	----	----	----	0.1244 + 0.0017	.2327	----	----	----	15	260 + 15
4500	----	----	----	----	----	----	0.0896 + 0.0013	.1718	----	----	----	----	112 UNCH
4700	----	----	----	----	----	----	0.0782 + 0.0011	.1519	----	----	----	----	30 UNCH
5200	----	----	----	----	----	----	0.0539 + 0.0008	.1095	----	----	----	----	100 UNCH
6000	----	----	----	----	----	----	0.0287 + 0.0005	.0631	----	----	----	----	23 UNCH
TOTAL												15	7474 + 15
APR21													
2500	----	----	----	----	----	----	0.2242 + 0.0066	.5594	----	----	----	----	4 UNCH
2550	----	----	----	----	----	----	0.2022 + 0.0062	.5225	----	----	----	----	254 UNCH
2600	----	----	----	----	----	----	0.1819 + 0.0057	.4865	----	----	----	----	500 UNCH
2650	----	----	----	----	----	----	0.1633 + 0.0053	.4515	----	----	----	----	180 UNCH
2700	----	----	----	----	----	----	0.1463 + 0.0049	.4177	----	----	----	----	15 UNCH
2750	----	----	----	----	----	----	0.1308 + 0.0045	.3852	----	----	----	----	1003 UNCH
2800	----	----	----	----	----	----	0.1168 + 0.0042	.3543	----	----	----	----	2 UNCH
2850	----	----	----	----	----	----	0.1041 + 0.0039	.3250	----	----	----	----	245 UNCH
2900	----	----	----	----	----	----	0.0926 + 0.0035	.2973	----	----	----	----	202 UNCH
2950	----	----	----	----	----	----	0.0824 + 0.0032	.2715	----	----	----	----	825 UNCH
3000	----	----	----	----	----	----	0.0732 + 0.0028	.2474	----	----	----	----	960 UNCH
3150	----	----	----	----	----	----	0.0515 + 0.0021	.1859	----	----	----	----	65 UNCH
3250	----	----	----	----	----	----	0.0409 + 0.0016	.1532	----	----	----	----	3150 UNCH
3500	----	----	----	----	----	----	0.0256 + 0.0006	.1001	----	----	----	----	1648 UNCH
3650	----	----	----	----	----	----	0.0224 + 0.0004	.0857	----	----	----	----	20 UNCH
3750	----	----	----	----	----	----	0.0207 + 0.0004	.0780	----	----	----	----	380 UNCH
4000	----	----	----	----	----	----	0.0143 + 0.0006	.0550	----	----	----	----	570 UNCH
4250	----	----	----	----	----	----	0.0092 + 0.0004	.0368	----	----	----	----	86 UNCH
4500	----	----	----	----	----	----	0.0058 + 0.0003	.0242	----	----	----	----	112 UNCH
4700	----	----	----	----	----	----	0.0039 + 0.0002	.0169	----	----	----	----	30 UNCH
5200	----	----	----	----	----	----	0.0014 + 0.0001	.0066	----	----	----	----	100 UNCH
6000	----	----	----	----	----	----	0.0003 + 0.0001	.0015	----	----	----	----	22 UNCH
TOTAL													10373
MAY21													
2500	----	----	----	----	----	----	0.1996 + 0.0064	.5351	----	----	----	----	4 UNCH
2550	----	----	----	----	----	----	0.1787 + 0.0060	.4968	----	----	----	----	4 UNCH
2600	----	----	----	----	----	----	0.1595 + 0.0055	.4595	----	----	----	----	500 UNCH
2650	----	----	----	----	----	----	0.1420 + 0.0051	.4234	----	----	----	----	180 UNCH
2700	----	----	----	----	----	----	0.1262 + 0.0047	.3889	----	----	----	----	15 UNCH
2750	----	----	----	----	----	----	0.1119 + 0.0043	.3560	----	----	----	----	1003 UNCH
2800	----	----	----	----	----	----	0.0990 + 0.0039	.3248	----	----	----	----	2 UNCH
2850	----	----	----	----	----	----	0.0876 + 0.0036	.2957	----	----	----	----	245 UNCH
2900	----	----	----	----	----	----	0.0773 + 0.0031	.2683	----	----	----	----	202 UNCH
2950	----	----	----	----	----	----	0.0683 + 0.0029	.2432	----	----	----	----	825 UNCH
3000	----	----	----	----	----	----	0.0602 + 0.0026	.2199	----	----	----	----	960 UNCH
3150	----	----	----	----	----	----	0.0416 + 0.0018	.1619	----	----	----	----	65 UNCH
3250	----	----	----	----	----	----	0.0328 + 0.0013	.1320	----	----	----	----	3150 UNCH
3500	----	----	----	----	----	----	0.0223 + 0.0003	.0903	----	----	----	----	1623 UNCH
3650	----	----	----	----	----	----	0.0199 + 0.0004	.0783	----	----	----	----	20 UNCH
3750	----	----	----	----	----	----	0.0178 + 0.0006	.0696	----	----	----	----	380 UNCH
4000	----	----	----	----	----	----	0.0113 + 0.0004	.0460	----	----	----	----	570 UNCH
4250	----	----	----	----	----	----	0.0071 + 0.0003	.0301	----	----	----	----	86 UNCH
4500	----	----	----	----	----	----	0.0043 + 0.0002	.0191	----	----	----	----	112 UNCH
4700	----	----	----	----	----	----	0.0028 + 0.0002	.0129	----	----	----	----	30 UNCH
5200	----	----	----	----	----	----	0.0009 UNCH	.0045	----	----	----	----	100 UNCH
6000	----	----	----	----	----	----	0.0002 + 0.0001	.0011	----	----	----	----	22 UNCH
TOTAL													10098
JUN21													
2500	----	----	----	----	----	----	0.2127 + 0.0066	.5588	----	----	----	----	4 UNCH
2550	----	----	----	----	----	----	0.1906 + 0.0061	.5197	----	----	----	----	4 UNCH
2600	----	----	----	----	----	----	0.1703 + 0.0057	.4816	----	----	----	----	500 UNCH
2650	----	----	----	----	----	----	0.1518 + 0.0053	.4446	----	----	----	----	180 UNCH
2700	----	----	----	----	----	----	0.1350 + 0.0048	.4090	----	----	----	----	15 UNCH
2750	----	----	----	----	----	----	0.1198 + 0.0044	.3749	----	----	----	----	1003 UNCH
2800	----	----	----	----	----	----	0.1061 + 0.0041	.3426	----	----	----	----	2 UNCH
2850	----	----	----	----	----	----	0.0938 + 0.0037	.3121	----	----	----	----	245 UNCH
2900	----	----	----	----	----	----	0.0828 + 0.0033	.2835	----	----	----	----	202 UNCH
2950	----	----	----	----	----	----	0.0731 + 0.0031	.2571	----	----	----	----	825 UNCH
3000	----	----	----	----	----	----	0.0644 + 0.0027	.2325	----	----	----	----	960 UNCH
3150	----	----	----	----	----	----	0.0443 + 0.0019	.1710	----	----	----	----	65 UNCH
3250	----	----	----	----	----	----	0.0349 + 0.0014	.1394	----	----	----	----	3150 UNCH
3500	----	----	----	----	----	----	0.0228 + 0.0003	.0928	----	----	----	----	1623 UNCH
3650	----	----	----	----	----	----	0.0204 + 0.0003	.0804	----	----	----	----	20 UNCH
3750	----	----	----	----	----	----	0.0185 + 0.0004	.0722	----	----	----	----	380 UNCH
4000	----	----	----	----	----	----	0.0121 + 0.0005	.0488	----	----	----	----	7965 UNCH
4250	----	----	----	----	----	----	0.0076 + 0.0003	.0319	----	----	----	----	86 UNCH
4500	----	----	----	----	----	----	0.0046 + 0.0002	.0202	----	----	----	----	112 UNCH
4700	----	----	----	----	----	----	0.0030 + 0.0001	.0137	----	----	----	----	30 UNCH
5200	----	----	----	----	----	----	0.0010 + 0.0001	.0050	----	----	----	----	100 UNCH
6000	----	----	----	----	----	----	0.0002 UNCH	.0011	----	----	----	----	22 UNCH
TOTAL													17493
JUL21													
2500	----	----	----	----	----	----	0.2304 + 0.0069	.5841	----	----	----	----	4 UNCH
2550	----	----	----	----	----	----	0.2071 + 0.0065	.5452	----	----	----	----	4 UNCH
2600	----	----	----	----	----	----	0.1856 + 0.0061	.5069	----	----	----	----	500 UNCH
2650	----	----											



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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, 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 AUG21, SEP21, OCT21, NOV21, DEC21, JAN22.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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, 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 summaries for JAN22, FEB22, MAR22, APR22, MAY22, JUN22, JUL22, AUG22.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

LN	CALL	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX	PNT	OPEN
CALL	OPEN	RANGE	HIGH/LOW	HIGH/LOW	RANGE	CLOSE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
NYMEX NATURAL GAS (EURO) OPTS													
AUG22	4250	----	----	----	----	----	0.0161 + 0.0006	.0561	----	----	----	----	86 UNCH
	4500	----	----	----	----	----	0.0105 + 0.0005	.0384	----	----	----	----	42 UNCH
	4700	----	----	----	----	----	0.0074 + 0.0003	.0281	----	----	----	----	30 UNCH
	5000	----	----	----	----	----	0.0043 + 0.0002	.0172	----	----	----	----	50 UNCH
	6000	----	----	----	----	----	0.0007 UNCH	.0032	----	----	----	----	18 UNCH
TOTAL													2857
SEP22	2600	----	----	----	----	----	0.2088 + 0.0061	.5186	----	----	----	----	50 UNCH
	2750	----	----	----	----	----	0.1548 + 0.0048	.4199	----	----	----	----	35 UNCH
	2800	----	----	----	----	----	0.1399 + 0.0045	.3897	----	----	----	----	25 UNCH
	2850	----	----	----	----	----	0.1264 + 0.0041	.3610	----	----	----	----	192 UNCH
	2900	----	----	----	----	----	0.1141 + 0.0037	.3338	----	----	----	----	200 UNCH
	3000	----	----	----	----	----	0.0940 + 0.0030	.2856	----	----	----	----	620 UNCH
	3250	----	----	----	----	----	0.0620 + 0.0015	.1982	----	----	----	----	425 UNCH
	3500	----	----	----	----	----	0.0474 + 0.0010	.1500	----	----	----	----	442 UNCH
	3650	----	----	----	----	----	0.0401 + 0.0011	.1271	----	----	----	----	10 UNCH
	3750	----	----	----	----	----	0.0352 + 0.0011	.1126	----	----	----	----	300 UNCH
	4000	----	----	----	----	----	0.0251 + 0.0008	.0825	----	----	----	----	330 UNCH
	4250	----	----	----	----	----	0.0169 + 0.0007	.0581	----	----	----	----	86 UNCH
	4500	----	----	----	----	----	0.0111 + 0.0005	.0400	----	----	----	----	42 UNCH
	4700	----	----	----	----	----	0.0079 + 0.0004	.0295	----	----	----	----	30 UNCH
	5000	----	----	----	----	----	0.0047 + 0.0002	.0185	----	----	----	----	50 UNCH
	6000	----	----	----	----	----	0.0008 + 0.0001	.0036	----	----	----	----	17 UNCH
TOTAL													2854
OCT22	2600	----	----	----	----	----	0.2238 + 0.0062	.5360	----	----	----	----	50 UNCH
	2750	----	----	----	----	----	0.1676 + 0.0050	.4380	----	----	----	----	35 UNCH
	2800	----	----	----	----	----	0.1519 + 0.0046	.4076	----	----	----	----	25 UNCH
	2850	----	----	----	----	----	0.1377 + 0.0043	.3788	----	----	----	----	192 UNCH
	2900	----	----	----	----	----	0.1247 + 0.0039	.3514	----	----	----	----	200 UNCH
	3000	----	----	----	----	----	0.1028 + 0.0031	.3018	----	----	----	----	621 UNCH
	3250	----	----	----	----	----	0.0673 + 0.0017	.2097	----	----	----	----	425 UNCH
	3500	----	----	----	----	----	0.0509 + 0.0010	.1579	----	----	----	----	443 UNCH
	3650	----	----	----	----	----	0.0439 + 0.0011	.1355	----	----	----	----	10 UNCH
	3750	----	----	----	----	----	0.0388 + 0.0011	.1207	----	----	----	----	300 UNCH
	4000	----	----	----	----	----	0.0281 + 0.0008	.0896	----	----	----	----	330 UNCH
	4250	----	----	----	----	----	0.0195 + 0.0007	.0646	----	----	----	----	24 UNCH
	4500	----	----	----	----	----	0.0130 + 0.0005	.0451	----	----	----	----	42 UNCH
	4700	----	----	----	----	----	0.0093 + 0.0003	.0335	----	----	----	----	30 UNCH
	5000	----	----	----	----	----	0.0057 + 0.0003	.0215	----	----	----	----	50 UNCH
	6000	----	----	----	----	----	0.0010 UNCH	.0044	----	----	----	----	17 UNCH
TOTAL													2794
NOV22	2600	----	----	----	----	----	0.2616 + 0.0067	.5771	----	----	----	----	50 UNCH
	2750	----	----	----	----	----	0.2013 + 0.0055	.4811	----	----	----	----	35 UNCH
	2850	----	----	----	----	----	0.1688 + 0.0047	.4226	----	----	----	----	192 UNCH
	2900	----	----	----	----	----	0.1550 + 0.0043	.3957	----	----	----	----	200 UNCH
	3000	----	----	----	----	----	0.1312 + 0.0038	.3464	----	----	----	----	495 UNCH
	3250	----	----	----	----	----	0.0889 + 0.0024	.2493	----	----	----	----	925 UNCH
	3500	----	----	----	----	----	0.0657 + 0.0014	.1873	----	----	----	----	492 UNCH
	3650	----	----	----	----	----	0.0574 + 0.0011	.1626	----	----	----	----	10 UNCH
	4000	----	----	----	----	----	0.0408 + 0.0010	.1163	----	----	----	----	130 UNCH
	4250	----	----	----	----	----	0.0229 + 0.0007	.0685	----	----	----	----	42 UNCH
	4500	----	----	----	----	----	0.0180 + 0.0005	.0551	----	----	----	----	30 UNCH
	4700	----	----	----	----	----	0.0127 + 0.0004	.0400	----	----	----	----	50 UNCH
	5000	----	----	----	----	----	0.0037 + 0.0001	.0129	----	----	----	----	17 UNCH
TOTAL													2668
DEC22	2600	----	----	----	----	----	0.3792 + 0.0081	.6805	----	----	----	----	50 UNCH
	2750	----	----	----	----	----	0.3028 + 0.0070	.5946	----	----	----	----	35 UNCH
	2850	----	----	----	----	----	0.2592 + 0.0062	.5356	----	----	----	----	192 UNCH
	2900	----	----	----	----	----	0.2397 + 0.0059	.5071	----	----	----	----	200 UNCH
	3000	----	----	----	----	----	0.2046 + 0.0052	.4525	----	----	----	----	496 UNCH
	3250	----	----	----	----	----	0.1406 + 0.0035	.3372	----	----	----	----	925 UNCH
	3500	----	----	----	----	----	0.0997 + 0.0024	.2518	----	----	----	----	493 UNCH
	3650	----	----	----	----	----	0.0834 + 0.0018	.2141	----	----	----	----	10 UNCH
	4000	----	----	----	----	----	0.0618 + 0.0011	.1577	----	----	----	----	130 UNCH
	4250	----	----	----	----	----	0.0389 + 0.0009	.1015	----	----	----	----	42 UNCH
	4500	----	----	----	----	----	0.0317 + 0.0009	.0842	----	----	----	----	30 UNCH
	4700	----	----	----	----	----	0.0230 + 0.0007	.0630	----	----	----	----	50 UNCH
	5000	----	----	----	----	----	0.0081 + 0.0002	.0242	----	----	----	----	17 UNCH
TOTAL													2670
JAN23	2750	----	----	----	----	----	0.4048 + 0.0075	.6549	----	----	----	----	485 UNCH
	3000	----	----	----	----	----	0.2930 + 0.0061	.5295	----	----	----	----	950 UNCH
	3050	----	----	----	----	----	0.2742 + 0.0058	.5054	----	----	----	----	10 UNCH
	3250	----	----	----	----	----	0.2100 + 0.0049	.4158	----	----	----	----	700 UNCH
	3500	----	----	----	----	----	0.1502 + 0.0037	.3209	----	----	----	----	831 UNCH
	3700	----	----	----	----	----	0.1150 + 0.0029	.2588	----	----	----	----	10 UNCH
	4000	----	----	----	----	----	0.0767 + 0.0020	.1853	----	----	----	----	30 UNCH
	4500	----	----	----	----	----	0.0394 + 0.0011	.1047	----	----	----	----	42 UNCH
	4700	----	----	----	----	----	0.0304 + 0.0009	.0834	----	----	----	----	30 UNCH
	5250	----	----	----	----	----	0.0152 + 0.0005	.0448	----	----	----	----	30 UNCH
	5500	----	----	----	----	----	0.0112 + 0.0003	.0340	----	----	----	----	50 UNCH
	6000	----	----	----	----	----	0.0062 + 0.0002	.0197	----	----	----	----	16 UNCH
TOTAL													3184
FEB23	2750	----	----	----	----	----	0.4015 + 0.0074	.6330	----	----	----	----	485 UNCH
	3000	----	----	----	----	----	0.2961 + 0.0059	.5154	----	----	----	----	950 UNCH
	3050	----	----	----	----	----	0.2784 + 0.0057	.4933	----	----	----	----	10 UNCH
	3250	----	----	----	----	----	0.2170 + 0.0047	.4107	----	----	----	----	700 UNCH
	3500	----	----	----	----	----	0.1590 + 0.0036	.3228	----	----	----	----	828 UNCH
	3700	----	----	----	----	----	0.1243 + 0.0030	.2648	----	----	----	----	10 UNCH
	4000	----	----	----	----	----	0.0856 + 0.0022	.1948	----	----	----	----	30 UNCH
	4500	----	----	----	----	----	0.0462 + 0.0012	.1153	----	----	----	----	42 UNCH
	4700	----	----	----	----	----	0.0364 + 0.0010	.0936	----	----	----	----	30 UNCH
	5250	----	----	----	----	----	0.0192 + 0.0006	.0530	----	----	----	----	30 UNCH
	5500	----	----	----	----	----	0.0145 + 0.0004	.0411	----	----	----	----	50 UNCH
	6000	----	----	----	----	----	0.0084 + 0.0002	.0250	----	----	----	----	16 UNCH
TOTAL													3181
MAR23	2750	----	----	----	----	----	0.3594 + 0.0069	.5850	----	----	----	----	485 UNCH
	3000	----	----	----	----	----	0.2662 + 0.0055	.4738	----	----	----	----	950 UNCH
	3050	----	----	----	----	----	0.2505 + 0.0052	.4533	----	----	----	----	10 UNCH



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

LN	CALL	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX	PNT	OPEN
		OPEN	RANGE	HIGH/LOW	OPEN	RANGE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
NYMEX NATURAL GAS (EURO) OPTS													
APR23													
3700	----	----	----	----	----	----	0.0468 + 0.0015	.1380	----	----	----	----	10 UNCH
4000	----	----	----	----	----	----	0.0286 + 0.0010	.0905	----	----	----	----	130 UNCH
4500	----	----	----	----	----	----	0.0125 + 0.0004	.0438	----	----	----	----	42 UNCH
4700	----	----	----	----	----	----	0.0090 + 0.0003	.0326	----	----	----	----	30 UNCH
5250	----	----	----	----	----	----	0.0037 + 0.0001	.0146	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	0.0025 + 0.0001	.0101	----	----	----	----	50 UNCH
6000	----	----	----	----	----	----	0.0012 + 0.0001	.0051	----	----	----	----	16 UNCH
TOTAL													2793
MAY23													
2750	----	----	----	----	----	----	0.1872 + 0.0051	.4428	----	----	----	----	485 UNCH
3000	----	----	----	----	----	----	0.1244 + 0.0036	.3226	----	----	----	----	950 UNCH
3050	----	----	----	----	----	----	0.1147 + 0.0034	.3022	----	----	----	----	10 UNCH
3250	----	----	----	----	----	----	0.0827 + 0.0027	.2313	----	----	----	----	200 UNCH
3500	----	----	----	----	----	----	0.0544 + 0.0019	.1630	----	----	----	----	831 UNCH
3700	----	----	----	----	----	----	0.0386 + 0.0014	.1218	----	----	----	----	10 UNCH
4000	----	----	----	----	----	----	0.0228 + 0.0009	.0773	----	----	----	----	130 UNCH
4500	----	----	----	----	----	----	0.0094 + 0.0004	.0353	----	----	----	----	42 UNCH
4700	----	----	----	----	----	----	0.0066 + 0.0003	.0257	----	----	----	----	30 UNCH
5250	----	----	----	----	----	----	0.0025 + 0.0001	.0106	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	0.0017 + 0.0001	.0074	----	----	----	----	50 UNCH
6000	----	----	----	----	----	----	0.0007	UNCH .0032	----	----	----	----	16 UNCH
TOTAL													2784
JUN23													
2750	----	----	----	----	----	----	0.1992 + 0.0053	.4637	----	----	----	----	485 UNCH
3000	----	----	----	----	----	----	0.1321 + 0.0037	.3384	----	----	----	----	950 UNCH
3050	----	----	----	----	----	----	0.1217 + 0.0034	.3170	----	----	----	----	10 UNCH
3250	----	----	----	----	----	----	0.0877 + 0.0026	.2427	----	----	----	----	200 UNCH
3500	----	----	----	----	----	----	0.0577 + 0.0019	.1712	----	----	----	----	830 UNCH
3700	----	----	----	----	----	----	0.0410 + 0.0014	.1281	----	----	----	----	10 UNCH
4000	----	----	----	----	----	----	0.0241 + 0.0009	.0811	----	----	----	----	130 UNCH
4500	----	----	----	----	----	----	0.0099 + 0.0004	.0369	----	----	----	----	42 UNCH
4700	----	----	----	----	----	----	0.0070 + 0.0003	.0270	----	----	----	----	30 UNCH
5250	----	----	----	----	----	----	0.0026 + 0.0001	.0110	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	0.0017 + 0.0001	.0074	----	----	----	----	50 UNCH
6000	----	----	----	----	----	----	0.0007	UNCH .0032	----	----	----	----	16 UNCH
TOTAL													2783
JUL23													
2750	----	----	----	----	----	----	0.2170 + 0.0056	.4884	----	----	----	----	485 UNCH
3000	----	----	----	----	----	----	0.1448 + 0.0039	.3596	----	----	----	----	950 UNCH
3050	----	----	----	----	----	----	0.1336 + 0.0037	.3374	----	----	----	----	10 UNCH
3250	----	----	----	----	----	----	0.0969 + 0.0028	.2602	----	----	----	----	200 UNCH
3500	----	----	----	----	----	----	0.0643 + 0.0020	.1851	----	----	----	----	831 UNCH
3700	----	----	----	----	----	----	0.0460 + 0.0015	.1395	----	----	----	----	10 UNCH
4000	----	----	----	----	----	----	0.0274 + 0.0010	.0894	----	----	----	----	130 UNCH
4500	----	----	----	----	----	----	0.0114 + 0.0004	.0413	----	----	----	----	42 UNCH
4700	----	----	----	----	----	----	0.0081 + 0.0004	.0304	----	----	----	----	30 UNCH
5250	----	----	----	----	----	----	0.0031 + 0.0001	.0127	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	0.0020	UNCH .0085	----	----	----	----	50 UNCH
6000	----	----	----	----	----	----	0.0009 + 0.0001	.0040	----	----	----	----	15 UNCH
TOTAL													2783
AUG23													
2750	----	----	----	----	----	----	0.2253 + 0.0057	.4987	----	----	----	----	485 UNCH
3000	----	----	----	----	----	----	0.1511 + 0.0041	.3691	----	----	----	----	950 UNCH
3050	----	----	----	----	----	----	0.1396 + 0.0039	.3467	----	----	----	----	10 UNCH
3250	----	----	----	----	----	----	0.1016 + 0.0029	.2683	----	----	----	----	200 UNCH
3500	----	----	----	----	----	----	0.0678 + 0.0021	.1920	----	----	----	----	831 UNCH
3700	----	----	----	----	----	----	0.0488 + 0.0016	.1454	----	----	----	----	10 UNCH
4000	----	----	----	----	----	----	0.0294 + 0.0011	.0942	----	----	----	----	130 UNCH
4500	----	----	----	----	----	----	0.0124 + 0.0005	.0441	----	----	----	----	42 UNCH
4700	----	----	----	----	----	----	0.0088 + 0.0004	.0324	----	----	----	----	30 UNCH
5250	----	----	----	----	----	----	0.0034 + 0.0001	.0137	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	0.0023 + 0.0001	.0095	----	----	----	----	50 UNCH
6000	----	----	----	----	----	----	0.0010 + 0.0001	.0044	----	----	----	----	15 UNCH
TOTAL													2783
SEP23													
2750	----	----	----	----	----	----	0.2268 + 0.0057	.4985	----	----	----	----	485 UNCH
3000	----	----	----	----	----	----	0.1528 + 0.0041	.3701	----	----	----	----	950 UNCH
3050	----	----	----	----	----	----	0.1413 + 0.0039	.3479	----	----	----	----	10 UNCH
3250	----	----	----	----	----	----	0.1032 + 0.0029	.2701	----	----	----	----	200 UNCH
3500	----	----	----	----	----	----	0.0693 + 0.0021	.1942	----	----	----	----	830 UNCH
3700	----	----	----	----	----	----	0.0501 + 0.0016	.1477	----	----	----	----	10 UNCH
4000	----	----	----	----	----	----	0.0304 + 0.0011	.0962	----	----	----	----	130 UNCH
4500	----	----	----	----	----	----	0.0130 + 0.0005	.0457	----	----	----	----	42 UNCH
4700	----	----	----	----	----	----	0.0093 + 0.0004	.0338	----	----	----	----	30 UNCH
5250	----	----	----	----	----	----	0.0037 + 0.0002	.0147	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	0.0024 + 0.0001	.0099	----	----	----	----	50 UNCH
6000	----	----	----	----	----	----	0.0011 + 0.0001	.0047	----	----	----	----	15 UNCH
TOTAL													2782
OCT23													
2750	----	----	----	----	----	----	0.2433 + 0.0060	.5164	----	----	----	----	485 UNCH
3000	----	----	----	----	----	----	0.1634 + 0.0044	.3873	----	----	----	----	950 UNCH
3050	----	----	----	----	----	----	0.1532 + 0.0041	.3648	----	----	----	----	10 UNCH
3250	----	----	----	----	----	----	0.1129 + 0.0032	.2856	----	----	----	----	200 UNCH
3500	----	----	----	----	----	----	0.0768 + 0.0023	.2078	----	----	----	----	831 UNCH
3700	----	----	----	----	----	----	0.0561 + 0.0018	.1596	----	----	----	----	10 UNCH
4000	----	----	----	----	----	----	0.0346 + 0.0012	.1056	----	----	----	----	130 UNCH
4500	----	----	----	----	----	----	0.0152 + 0.0006	.0514	----	----	----	----	42 UNCH
4700	----	----	----	----	----	----	0.0109 + 0.0004	.0383	----	----	----	----	30 UNCH
5250	----	----	----	----	----	----	0.0045 + 0.0002	.0172	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	0.0030 + 0.0001	.0118	----	----	----	----	50 UNCH
6000	----	----	----	----	----	----	0.0014 + 0.0001	.0058	----	----	----	----	15 UNCH
TOTAL													2783
NOV23													
2750	----	----	----	----	----	----	0.2826 + 0.0066	.5551	----	----	----	----	485 UNCH
3000	----	----	----	----	----	----	0.1944 + 0.0050	.4246	----	----	----	----	950 UNCH
3050	----	----	----	----	----	----	0.1801 + 0.0047	.4011	----	----	----	----	10 UNCH
3250	----	----	----	----	----	----	0.1322 + 0.0037	.3163	----	----	----	----	200 UNCH
3500	----	----	----	----	----	----	0.0899 + 0.0027	.2318	----	----	----	----	830 UNCH
37													



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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/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 contracts for NOV24, DEC24, JAN25, FEB25, MAR25, APR25, MAY25, JUN25, JUL25, AUG25, SEP25, OCT25, NOV25, DEC25, and JUN19.

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.

© Copyright CME Group Inc. All rights reserved.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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, PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include NYMEX NATURAL GAS (EURO) OPTS for JUN19, JUL19, and AUG19.

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.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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, 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 AUG19, SEP19, OCT19, NOV19.

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.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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, 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 NOV19, DEC19, JAN20, FEB20.

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.

© Copyright CME Group Inc. All rights reserved.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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, 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 FEB20 to JUL20 with various contract specifications and prices.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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, 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 are grouped by month (JUL20, AUG20, SEP20, OCT20, NOV20) and include various contract specifications and their corresponding market data.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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.

LN	PUT	NYMEX	NATURAL	GAS (EURO)	OPTS	OPEN	OUTCRY	OPEN	OUTCRY	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX®	PNT	OPEN	
						OPEN	RANGE	HIGH/LOW	HIGH/LOW	CLOSE	RANGE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST	
TOTAL																		6230	
JUN21												0.0083	- 0.0004	.0354				400	UNCH
1750	----	----	----	----	----	----	----	----	----	----	----	0.0329	- 0.0012	.1145				1875	UNCH
2000	----	----	----	----	----	----	----	----	----	----	----	0.0622	- 0.0021	.1920				25	UNCH
2150	----	----	----	----	----	----	----	----	----	----	----	0.0896	- 0.0028	.2553				1025	UNCH
2250	----	----	----	----	----	----	----	----	----	----	----	0.1440	- 0.0040	.3635				600	UNCH
2400	----	----	----	----	----	----	----	----	----	----	----	0.1897	- 0.0049	.4411				1528	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1947	- 0.0050	.4490				2	UNCH
2510	----	----	----	----	----	----	----	----	----	----	----	0.2050	- 0.0052	.4647				2	UNCH
2530	----	----	----	----	----	----	----	----	----	----	----	0.2432	- 0.0058	.5183				70	UNCH
2600	----	----	----	----	----	----	----	----	----	----	----	0.3038	- 0.0066	.5910				12	UNCH
2700	----	----	----	----	----	----	----	----	----	----	----	0.3366	- 0.0070	.6250				300	UNCH
2750	----	----	----	----	----	----	----	----	----	----	----	0.3709	- 0.0073	.6573				31	UNCH
2800	----	----	----	----	----	----	----	----	----	----	----	0.4065	- 0.0077	.6878				260	UNCH
2850	----	----	----	----	----	----	----	----	----	----	----	2.5683	- 0.0101	.9949				100	UNCH
5200	----	----	----	----	----	----	----	----	----	----	----							100	UNCH
TOTAL																		6230	
JUL21												0.0072	- 0.0004	.0309				400	UNCH
1750	----	----	----	----	----	----	----	----	----	----	----	0.0293	- 0.0011	.1031				1875	UNCH
2000	----	----	----	----	----	----	----	----	----	----	----	0.0563	- 0.0019	.1758				25	UNCH
2150	----	----	----	----	----	----	----	----	----	----	----	0.0817	- 0.0025	.2358				1025	UNCH
2250	----	----	----	----	----	----	----	----	----	----	----	0.1327	- 0.0037	.3399				600	UNCH
2400	----	----	----	----	----	----	----	----	----	----	----	0.1758	- 0.0046	.4158				1528	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1806	- 0.0046	.4235				2	UNCH
2510	----	----	----	----	----	----	----	----	----	----	----	0.1903	- 0.0048	.4391				2	UNCH
2530	----	----	----	----	----	----	----	----	----	----	----	0.2268	- 0.0054	.4930				70	UNCH
2600	----	----	----	----	----	----	----	----	----	----	----	0.2849	- 0.0063	.5666				12	UNCH
2700	----	----	----	----	----	----	----	----	----	----	----	0.3165	- 0.0067	.6014				300	UNCH
2750	----	----	----	----	----	----	----	----	----	----	----	0.3497	- 0.0070	.6346				31	UNCH
2800	----	----	----	----	----	----	----	----	----	----	----	0.3843	- 0.0073	.6661				260	UNCH
2850	----	----	----	----	----	----	----	----	----	----	----	2.5329	- 0.0100	.9941				100	UNCH
5200	----	----	----	----	----	----	----	----	----	----	----							100	UNCH
TOTAL																		6230	
AUG21												0.0074	- 0.0003	.0312				400	UNCH
1750	----	----	----	----	----	----	----	----	----	----	----	0.0295	- 0.0011	.1023				1875	UNCH
2000	----	----	----	----	----	----	----	----	----	----	----	0.0562	- 0.0019	.1735				25	UNCH
2150	----	----	----	----	----	----	----	----	----	----	----	0.0814	- 0.0025	.2324				1025	UNCH
2250	----	----	----	----	----	----	----	----	----	----	----	0.1316	- 0.0038	.3345				600	UNCH
2400	----	----	----	----	----	----	----	----	----	----	----	0.1742	- 0.0046	.4091				1528	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1789	- 0.0047	.4167				2	UNCH
2510	----	----	----	----	----	----	----	----	----	----	----	0.1885	- 0.0048	.4320				2	UNCH
2530	----	----	----	----	----	----	----	----	----	----	----	0.2244	- 0.0055	.4855				70	UNCH
2600	----	----	----	----	----	----	----	----	----	----	----	0.2818	- 0.0063	.5586				12	UNCH
2700	----	----	----	----	----	----	----	----	----	----	----	0.3130	- 0.0067	.5932				300	UNCH
2750	----	----	----	----	----	----	----	----	----	----	----	0.3458	- 0.0070	.6263				31	UNCH
2800	----	----	----	----	----	----	----	----	----	----	----	0.3800	- 0.0073	.6578				260	UNCH
2850	----	----	----	----	----	----	----	----	----	----	----	2.5204	- 0.0100	.9933				100	UNCH
5200	----	----	----	----	----	----	----	----	----	----	----							100	UNCH
TOTAL																		6230	
SEP21												0.0080	- 0.0004	.0332				400	UNCH
1750	----	----	----	----	----	----	----	----	----	----	----	0.0312	- 0.0012	.1064				1875	UNCH
2000	----	----	----	----	----	----	----	----	----	----	----	0.0588	- 0.0020	.1786				25	UNCH
2150	----	----	----	----	----	----	----	----	----	----	----	0.0845	- 0.0027	.2377				1025	UNCH
2250	----	----	----	----	----	----	----	----	----	----	----	0.1357	- 0.0039	.3400				600	UNCH
2400	----	----	----	----	----	----	----	----	----	----	----	0.1788	- 0.0047	.4143				1528	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1835	- 0.0048	.4219				2	UNCH
2510	----	----	----	----	----	----	----	----	----	----	----	0.1932	- 0.0049	.4372				2	UNCH
2530	----	----	----	----	----	----	----	----	----	----	----	0.2295	- 0.0055	.4902				70	UNCH
2600	----	----	----	----	----	----	----	----	----	----	----	0.2873	- 0.0063	.5624				12	UNCH
2700	----	----	----	----	----	----	----	----	----	----	----	0.3187	- 0.0066	.5966				300	UNCH
2750	----	----	----	----	----	----	----	----	----	----	----	0.3516	- 0.0070	.6293				31	UNCH
2800	----	----	----	----	----	----	----	----	----	----	----	0.3859	- 0.0073	.6603				260	UNCH
2850	----	----	----	----	----	----	----	----	----	----	----	2.5234	- 0.0099	.9929				100	UNCH
5200	----	----	----	----	----	----	----	----	----	----	----							100	UNCH
TOTAL																		6230	
OCT21												0.0080	- 0.0004	.0323				400	UNCH
1750	----	----	----	----	----	----	----	----	----	----	----	0.0306	- 0.0012	.1022				1875	UNCH
2000	----	----	----	----	----	----	----	----	----	----	----	0.0574	- 0.0019	.1711				25	UNCH
2150	----	----	----	----	----	----	----	----	----	----	----	0.0823	- 0.0026	.2276				1025	UNCH
2250	----	----	----	----	----	----	----	----	----	----	----	0.1317	- 0.0036	.3255				600	UNCH
2400	----	----	----	----	----	----	----	----	----	----	----	0.1733	- 0.0044	.3971				1528	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1779	- 0.0045	.4045				2	UNCH
2510	----	----	----	----	----	----	----	----	----	----	----	0.1872	- 0.0047	.4193				2	UNCH
2530	----	----	----	----	----	----	----	----	----	----	----	0.2223	- 0.0052	.4711				70	UNCH
2600	----	----	----	----	----	----	----	----	----	----	----	0.2783	- 0.0060	.5426				12	UNCH
2700	----	----	----	----	----	----	----	----	----	----	----	0.3087	- 0.0064	.5765				300	UNCH
2750	----</																		



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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														
2300		----	----	----	----	----	0.0771 - 0.0018	.1743	----	----	----	----	1	UNCH
2500		----	----	----	----	----	0.1299 - 0.0028	.2662	----	----	----	----	275	UNCH
2650		----	----	----	----	----	0.1465 - 0.0031	.2923	----	----	----	----	50	UNCH
2700		----	----	----	----	----	0.1646 - 0.0033	.3194	----	----	----	----	60	UNCH
2750		----	----	----	----	----	0.2055 - 0.0040	.3761	----	----	----	----	12	UNCH
2750		----	----	----	----	----	0.2282 - 0.0042	.4053	----	----	----	----	60	UNCH
TOTAL													589	
JAN23														
2300		----	----	----	----	----	0.0761 - 0.0016	.1528	----	----	----	----	1	UNCH
2500		----	----	----	----	----	0.1263 - 0.0023	.2298	----	----	----	----	260	UNCH
2650		----	----	----	----	----	0.1760 - 0.0032	.2969	----	----	----	----	10	UNCH
2700		----	----	----	----	----	0.1951 - 0.0036	.3207	----	----	----	----	12	UNCH
2750		----	----	----	----	----	0.2157 - 0.0039	.3450	----	----	----	----	400	UNCH
5250		----	----	----	----	----	2.1547 - 0.0082	.9551	----	----	----	----	30	UNCH
5500		----	----	----	----	----	2.3836 - 0.0080	.9659	----	----	----	----	50	UNCH
TOTAL													763	
FEB23														
2300		----	----	----	----	----	0.0973 - 0.0019	.1764	----	----	----	----	1	UNCH
2500		----	----	----	----	----	0.1545 - 0.0028	.2545	----	----	----	----	260	UNCH
2650		----	----	----	----	----	0.2096 - 0.0035	.3205	----	----	----	----	10	UNCH
2700		----	----	----	----	----	0.2306 - 0.0037	.3435	----	----	----	----	12	UNCH
2750		----	----	----	----	----	0.2527 - 0.0040	.3669	----	----	----	----	400	UNCH
5250		----	----	----	----	----	2.1953 - 0.0080	.9469	----	----	----	----	30	UNCH
5500		----	----	----	----	----	2.4231 - 0.0079	.9588	----	----	----	----	50	UNCH
TOTAL													763	
MAR23														
2300		----	----	----	----	----	0.1296 - 0.0023	.2169	----	----	----	----	1	UNCH
2500		----	----	----	----	----	0.1979 - 0.0032	.3003	----	----	----	----	260	UNCH
2650		----	----	----	----	----	0.2619 - 0.0039	.3683	----	----	----	----	10	UNCH
2700		----	----	----	----	----	0.2855 - 0.0041	.3915	----	----	----	----	12	UNCH
2750		----	----	----	----	----	0.3101 - 0.0044	.4149	----	----	----	----	400	UNCH
5250		----	----	----	----	----	2.2916 - 0.0079	.9470	----	----	----	----	30	UNCH
5500		----	----	----	----	----	2.5192 - 0.0077	.9584	----	----	----	----	50	UNCH
TOTAL													763	
APR23														
2300		----	----	----	----	----	0.1447 - 0.0030	.2880	----	----	----	----	1	UNCH
2500		----	----	----	----	----	0.2286 - 0.0042	.4019	----	----	----	----	260	UNCH
2650		----	----	----	----	----	0.3060 - 0.0051	.4911	----	----	----	----	10	UNCH
2700		----	----	----	----	----	0.3346 - 0.0054	.5208	----	----	----	----	12	UNCH
2750		----	----	----	----	----	0.3645 - 0.0056	.5432	----	----	----	----	400	UNCH
5250		----	----	----	----	----	2.4806 - 0.0079	.9854	----	----	----	----	30	UNCH
5500		----	----	----	----	----	2.7111 - 0.0076	.9898	----	----	----	----	50	UNCH
TOTAL													763	
MAY23														
2300		----	----	----	----	----	0.1361 - 0.0030	.2884	----	----	----	----	1	UNCH
2500		----	----	----	----	----	0.2196 - 0.0042	.4087	----	----	----	----	260	UNCH
2650		----	----	----	----	----	0.2975 - 0.0052	.5031	----	----	----	----	10	UNCH
2700		----	----	----	----	----	0.3264 - 0.0055	.5345	----	----	----	----	12	UNCH
2750		----	----	----	----	----	0.3566 - 0.0058	.5571	----	----	----	----	400	UNCH
5250		----	----	----	----	----	2.4859 - 0.0078	.9893	----	----	----	----	30	UNCH
5500		----	----	----	----	----	2.7164 - 0.0076	.9925	----	----	----	----	50	UNCH
TOTAL													763	
JUN23														
2300		----	----	----	----	----	0.1221 - 0.0029	.2665	----	----	----	----	1	UNCH
2500		----	----	----	----	----	0.2003 - 0.0041	.3846	----	----	----	----	260	UNCH
2650		----	----	----	----	----	0.2744 - 0.0051	.4789	----	----	----	----	10	UNCH
2700		----	----	----	----	----	0.3022 - 0.0054	.5106	----	----	----	----	12	UNCH
2750		----	----	----	----	----	0.3313 - 0.0057	.5362	----	----	----	----	400	UNCH
5250		----	----	----	----	----	2.4451 - 0.0077	.9889	----	----	----	----	30	UNCH
5500		----	----	----	----	----	2.6752 - 0.0075	.9925	----	----	----	----	50	UNCH
TOTAL													763	
JUL23														
2300		----	----	----	----	----	0.1120 - 0.0026	.2465	----	----	----	----	1	UNCH
2500		----	----	----	----	----	0.1853 - 0.0039	.3601	----	----	----	----	260	UNCH
2650		----	----	----	----	----	0.2558 - 0.0048	.4524	----	----	----	----	10	UNCH
2700		----	----	----	----	----	0.2822 - 0.0051	.4837	----	----	----	----	12	UNCH
2750		----	----	----	----	----	0.3101 - 0.0054	.5115	----	----	----	----	400	UNCH
5250		----	----	----	----	----	2.4025 - 0.0077	.9872	----	----	----	----	30	UNCH
5500		----	----	----	----	----	2.6320 - 0.0074	.9914	----	----	----	----	50	UNCH
TOTAL													763	
AUG23														
2300		----	----	----	----	----	0.1089 - 0.0026	.2393	----	----	----	----	1	UNCH
2500		----	----	----	----	----	0.1805 - 0.0037	.3507	----	----	----	----	260	UNCH
2650		----	----	----	----	----	0.2495 - 0.0046	.4418	----	----	----	----	10	UNCH
2700		----	----	----	----	----	0.2753 - 0.0050	.4727	----	----	----	----	12	UNCH
2750		----	----	----	----	----	0.3027 - 0.0052	.5012	----	----	----	----	400	UNCH
5250		----	----	----	----	----	2.3834 - 0.0076	.9862	----	----	----	----	30	UNCH
5500		----	----	----	----	----	2.6125 - 0.0073	.9904	----	----	----	----	50	UNCH
TOTAL													763	
SEP23														
2500		----	----	----	----	----	0.1834 - 0.0037	.3523	----	----	----	----	260	UNCH
2650		----	----	----	----	----	0.2526 - 0.0045	.4426	----	----	----	----	10	UNCH
2700		----	----	----	----	----	0.2785 - 0.0048	.4734	----	----	----	----	12	UNCH
2750		----	----	----	----	----	0.3059 - 0.0051	.5014	----	----	----	----	400	UNCH
5250		----	----	----	----	----	2.3812 - 0.0075	.9853	----	----	----	----	30	UNCH
5500		----	----	----	----	----	2.6098 - 0.0073	.9901	----	----	----	----	50	UNCH
TOTAL													762	
OCT23														
2500		----	----	----	----	----	0.1770 - 0.0035	.3373	----	----	----	----	260	UNCH
2650		----	----	----	----	----	0.2441 - 0.0044	.4249	----	----	----	----	10	UNCH
2700		----	----	----	----	----	0.2691 - 0.0046	.4549	----	----	----	----	12	UNCH
2750		----	----	----	----	----	0.2956 - 0.0050	.4835	----	----	----	----	400	UNCH
5250		----	----	----	----	----	2.3516 - 0.0075	.9827	----	----	----	----	30	UNCH
5500		----	----	----	----	----	2.5796 - 0.0072	.9881	----	----	----	----	50	UNCH
TOTAL													762	
NOV23														
2500		----	----	----	----	----	0.1652 - 0.0031	.3068	----	----	----	----	260	UNCH
2650		----	----	----	----	----	0.2273 - 0.0039	.3882	----	----	----	----	10	UNCH
2700		----	----	----	----	----	0.2506 - 0.0042	.4164	----	----	----	----	12	UNCH
2750		----	----	----	----	----	0.2752 - 0.0045	.4448	----	----	----	----	400	UNCH
5250		----	----	----	----	----	2.2919 - 0.0073	.9726	----	----	----	----	30	UNCH
5500		----	----	----	----	----	2.5188 - 0.0071	.9795	----	----	----	----	50	UNCH
TOTAL													762	
DEC23														
2500		----	----	----	----	----	0.1303 - 0.0034	.2357						



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

LN	PUT	NYMEX	NATURAL	GAS (EURO)	OPTS	OPEN	OUTCRY	OPEN	OUTCRY	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX®	PNT	OPEN		
						OPEN	RANGE	HIGH/LOW	RANGE	HIGH/LOW	RANGE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST		
TOTAL																			325	
FEB24																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.0709	- 0.0001	.1318	----	----	----	----	115	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1247	- 0.0006	.2128	----	----	----	----	125	UNCH
2650	----	----	----	----	----	----	----	----	----	----	----	0.1712	- 0.0009	.2731	----	----	----	----	20	UNCH
5300	----	----	----	----	----	----	----	----	----	----	----	2.1779	- 0.0042	.8326	----	----	----	----	60	UNCH
TOTAL																				320
MAR24																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.0781	- 0.0016	.1501	----	----	----	----	111	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1390	- 0.0026	.2422	----	----	----	----	125	UNCH
2650	----	----	----	----	----	----	----	----	----	----	----	0.1911	- 0.0032	.3091	----	----	----	----	20	UNCH
5300	----	----	----	----	----	----	----	----	----	----	----	2.2454	- 0.0058	.8494	----	----	----	----	60	UNCH
TOTAL																				316
APR24																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.1036	- 0.0022	.2136	----	----	----	----	117	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1883	- 0.0035	.3389	----	----	----	----	175	UNCH
2650	----	----	----	----	----	----	----	----	----	----	----	0.2555	- 0.0042	.4227	----	----	----	----	20	UNCH
5300	----	----	----	----	----	----	----	----	----	----	----	2.3744	- 0.0068	.9758	----	----	----	----	60	UNCH
TOTAL																				372
MAY24																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.1081	- 0.0023	.2204	----	----	----	----	117	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1949	- 0.0036	.3469	----	----	----	----	175	UNCH
2650	----	----	----	----	----	----	----	----	----	----	----	0.2632	- 0.0043	.4309	----	----	----	----	20	UNCH
5300	----	----	----	----	----	----	----	----	----	----	----	2.3839	- 0.0068	.9759	----	----	----	----	60	UNCH
TOTAL																				372
JUN24																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.1040	- 0.0022	.2105	----	----	----	----	112	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1877	- 0.0034	.3327	----	----	----	----	175	UNCH
2650	----	----	----	----	----	----	----	----	----	----	----	0.2540	- 0.0041	.4146	----	----	----	----	20	UNCH
5300	----	----	----	----	----	----	----	----	----	----	----	2.3542	- 0.0067	.9732	----	----	----	----	60	UNCH
TOTAL																				367
JUL24																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.0998	- 0.0021	.2005	----	----	----	----	112	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1802	- 0.0032	.3183	----	----	----	----	175	UNCH
2650	----	----	----	----	----	----	----	----	----	----	----	0.2443	- 0.0039	.3979	----	----	----	----	20	UNCH
5300	----	----	----	----	----	----	----	----	----	----	----	2.3236	- 0.0066	.9703	----	----	----	----	60	UNCH
TOTAL																				367
AUG24																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.0993	- 0.0021	.1976	----	----	----	----	108	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1788	- 0.0032	.3133	----	----	----	----	175	UNCH
2650	----	----	----	----	----	----	----	----	----	----	----	0.2421	- 0.0039	.3917	----	----	----	----	20	UNCH
5300	----	----	----	----	----	----	----	----	----	----	----	2.3094	- 0.0065	.9683	----	----	----	----	60	UNCH
TOTAL																				363
SEP24																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.1013	- 0.0021	.1999	----	----	----	----	111	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1816	- 0.0031	.3156	----	----	----	----	175	UNCH
2650	----	----	----	----	----	----	----	----	----	----	----	0.2453	- 0.0038	.3937	----	----	----	----	20	UNCH
5300	----	----	----	----	----	----	----	----	----	----	----	2.3091	- 0.0064	.9676	----	----	----	----	60	UNCH
TOTAL																				366
OCT24																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.0985	- 0.0020	.1929	----	----	----	----	116	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1765	- 0.0031	.3052	----	----	----	----	175	UNCH
2650	----	----	----	----	----	----	----	----	----	----	----	0.2386	- 0.0037	.3816	----	----	----	----	20	UNCH
5300	----	----	----	----	----	----	----	----	----	----	----	2.2848	- 0.0063	.9649	----	----	----	----	60	UNCH
TOTAL																				371
NOV24																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.0892	- 0.0017	.1738	----	----	----	----	113	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1616	- 0.0028	.2786	----	----	----	----	125	UNCH
2650	----	----	----	----	----	----	----	----	----	----	----	0.2194	- 0.0034	.3508	----	----	----	----	20	UNCH
5300	----	----	----	----	----	----	----	----	----	----	----	2.2291	- 0.0062	.9513	----	----	----	----	60	UNCH
TOTAL																				318
DEC24																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.0680	- 0.0013	.1319	----	----	----	----	120	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.1266	- 0.0022	.2188	----	----	----	----	125	UNCH
2650	----	----	----	----	----	----	----	----	----	----	----	0.1741	- 0.0027	.2808	----	----	----	----	20	UNCH
5300	----	----	----	----	----	----	----	----	----	----	----	2.0849	- 0.0062	.9347	----	----	----	----	60	UNCH
TOTAL																				325
JAN25																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.0446	- 0.0011	.0958	----	----	----	----	45	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.0925	- 0.0020	.1736	----	----	----	----	125	UNCH
TOTAL																				170
FEB25																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.0489	- 0.0012	.1037	----	----	----	----	40	UNCH
2500	----	----	----	----	----	----	----	----	----	----	----	0.0998	- 0.0020	.1850	----	----	----	----	125	UNCH
TOTAL																				165
MAR25																				
2250	----	----	----	----	----	----	----	----	----	----	----	0.0567	- 0.0013	.1185	----	----	----	----	36	UNCH
2500																				



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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, 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 contract months from NOV25 to JUL28.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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, PUT, AUG28, 2250, 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. Includes rows for SEP28, OCT28, NOV28, DEC28, JAN29, FEB29.

Table with columns: ON CALL, JUN19, 1900, 2300, 2400, 2450, 2500, 2550, 2600, 2650, 2700, 2750, 2800, 2850, 2900, 2950, 3000, 3050, 3100, 3150, 3200, 3250, 3300, 3400, 3450, 3500, 3550, 3600, 3650, 3700, 3750, 3800, 4000, 4150, 4250, 4400, 4450, 4600, 4650, 4700, 4750, 4800, 4850, 4900, 5500, TOTAL. Includes columns for NYMEX NATURAL GAS OPTIONS (PHY), GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST.

Table with columns: JUL19, 2250, 2500, 2550, 2600, 2650, 2700, 2750, 2800, 2850, 2900, 2950, 3000, 3050, 3100, 3150, 3200, 3250, 3300, 3350, 3400, 3450, 3500, 3550, 3600, 3650, 3700, 3750, 3800, 3850, 3900, 3950, 4000, 4050, 4100, 4250, 4300, 4500, 4600, 4650, 4700, 4750, 5000, 5250, 5500, TOTAL, AUG19, 2500, 2600, 2650. Includes columns for NYMEX NATURAL GAS OPTIONS (PHY), GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 AUG19, SEP19, OCT19, NOV19 with various contract specifications and volume data.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 NOV19 to JUL19 for NYMEX NATURAL GAS OPTIONS (PHY).

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.



2019 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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

Customer Service: (312) 930-1000

FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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: 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 months from JUL19 to DEC19.

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.

© Copyright CME Group Inc. All rights reserved.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 NYMEX NATURAL GAS OPTIONS (PHY) for DEC19, JAN20, FEB20, MAR20, NYMEX ONE DAY NATURAL GAS OPTIONS for 23MAY19, and NYMEX RBOB (PHY) OPTIONS for JUN19, JUL19.

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 OB CALL, NYMEX RBOB (PHY) OPTIONS, and OB PUT for various months (JUL19, AUG19, SEP19, OCT19, JAN20, FEB20, JUN20).

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: OB, PUT, JUN19, NYMEX, RBOB, (PHY), OPTIONS, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include data for JUN19, JUL19, AUG19, SEP19, OCT19, DEC19, and 60A OOC JAN20.

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. © Copyright CME Group Inc. All rights reserved.



FINAL

PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 60A OOC, PMA OOF, RA CALL and various strike prices.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

RA 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
RBOB APO (AVERAGE PRICE) OPTIONS												
AUG19												
15600	----	----	----	----	----	0.2786 - 0.0693	.8760	----	----	----	----	20 UNCH
18500	----	----	----	----	----	0.0859 - 0.0368	.4809	----	----	----	----	2 UNCH
19500	----	----	----	----	----	0.0507 - 0.0231	.3316	----	----	----	----	3 UNCH
20000	----	----	----	----	----	0.0383 - 0.0178	.2678	----	----	----	----	4 UNCH
20500	----	----	----	----	----	0.0285 - 0.0136	.2124	----	----	----	----	5 UNCH
TOTAL												34
SEP19												
15600	----	----	----	----	----	0.1800 - 0.0511	.6768	----	----	----	----	20 UNCH
TOTAL												20
OCT19												
15600	----	----	----	----	----	0.1731 - 0.0480	.6279	----	----	----	----	20 UNCH
TOTAL												20
NOV19												
15600	----	----	----	----	----	0.1663 - 0.0449	.5973	----	----	----	----	20 UNCH
TOTAL												20
DEC19												
15600	----	----	----	----	----	0.1712 - 0.0417	.5867	----	----	----	----	20 UNCH
TOTAL												20
RBOB EURO EXPIRATION OPTION												
JUN19												
16500	----	----	----	----	----	0.2632 - 0.0779	.9999	----	----	----	----	2 UNCH
19000	----	----	----	----	----	0.0292 - 0.0636	.6096	----	----	----	----	2 UNCH
20000	----	----	----	----	----	0.0022 - 0.0152	.0628	----	----	75	75	0 - 75
20600	----	----	----	----	----	0.0004 - 0.0026	.0100	----	----	50	50	0 - 50
20700	----	----	----	----	----	0.0003 - 0.0020	.0072	----	----	25	25	0 - 25
TOTAL										150	150	4 - 150
JUL19												
21000	----	----	----	----	----	0.0094 - 0.0076	.1172	----	----	----	----	3 UNCH
21500	----	----	----	----	----	0.0058 - 0.0040	.0761	----	----	----	----	5 UNCH
TOTAL												8
AUG19												
21000	----	----	----	----	----	0.0206 - 0.0091	.1734	----	----	----	----	4 UNCH
21500	----	----	----	----	----	0.0144 - 0.0062	.1291	----	----	----	----	5 UNCH
TOTAL												9
SEP19												
21000	----	----	----	----	----	0.0273 - 0.0109	.1912	----	----	----	----	3 UNCH
TOTAL												3
RBOB EURO EXPIRATION OPTION												
JUN19												
16200	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	15 UNCH
16700	----	----	----	----	----	0.0001 UNCH	.0001	----	----	----	----	8 UNCH
16800	----	----	----	----	----	0.0001 UNCH	.0002	----	----	----	----	10 UNCH
17200	----	----	----	----	----	0.0001 UNCH	.0019	----	----	----	----	15 UNCH
17700	----	----	----	----	----	0.0002 + 0.0001	.0049	----	----	----	----	8 UNCH
17800	----	----	----	----	----	0.0003 + 0.0002	.0077	----	----	----	----	10 UNCH
19500	----	----	----	----	----	0.0450 + 0.0374	.7636	----	----	75	75	0 - 75
TOTAL										75	75	66 - 75
JUL19												
17000	----	----	----	----	----	0.0108 + 0.0068	.1156	----	----	----	----	5 UNCH
18000	----	----	----	----	----	0.0294 + 0.0178	.2709	----	----	----	----	3 UNCH
TOTAL												8
AUG19												
17000	----	----	----	----	----	0.0346 + 0.0191	.2286	----	----	----	----	5 UNCH
18000	----	----	----	----	----	0.0669 + 0.0317	.3792	----	----	----	----	4 UNCH
TOTAL												9
SEP19												
18000	----	----	----	----	----	0.0983 + 0.0379	.4390	----	----	----	----	3 UNCH
TOTAL												3
SAN JUAN PIPE OPTION												
DEC19												
3500	----	----	----	----	----	0.0429 + 0.0030	.1524	----	----	----	----	155 UNCH
3750	----	----	----	----	----	0.0271 + 0.0018	.1005	----	----	----	----	155 UNCH
TOTAL												310
JAN20												
3500	----	----	----	----	----	0.1047 + 0.0051	.2528	----	----	----	----	155 UNCH
3750	----	----	----	----	----	0.0797 + 0.0038	.1969	----	----	----	----	155 UNCH
TOTAL												310
FEB20												
3500	----	----	----	----	----	0.1158 + 0.0088	.2544	----	----	----	----	145 UNCH
3750	----	----	----	----	----	0.0922 + 0.0074	.2065	----	----	----	----	145 UNCH
TOTAL												290
U23 SHORT TERM NG OPTIONS												
MAY19												
267	----	----	----	----	----	0.0000 - 0.0010	----	----	----	----	----	0 - 17
TOTAL												0 - 17
WTI CRUDE OIL 1 M CSO FIN												
JUL19												
- 25	----	----	----	----	----	0.20 UNCH	.7766	----	----	----	----	100 UNCH
- 15	----	----	----	----	----	0.12 UNCH	.6385	----	----	----	----	2500 UNCH
0	----	----	----	----	----	0.05 UNCH	.3494	----	----	----	----	750 UNCH
50	----	----	----	----	----	0.01 UNCH	.0581	----	----	----	----	11500 UNCH
75	----	----	----	----	----	0.01 UNCH	.0123	----	----	----	----	500 UNCH
100	----	----	----	----	----	0.01 UNCH	.0017	----	----	----	----	1000 UNCH
TOTAL												16350
AUG19												
- 5	----	----	----	----	----	0.15 - 0.02	.5647	----	----	----	----	2000 UNCH
0	----	----	----	----	----	0.13 - 0.02	.5000	----	----	----	----	500 UNCH
50	----	----	----	----	----	0.03 - 0.02	.1306	----	----	----	----	4550 UNCH
75	----	----	----	----	----	0.02 - 0.01	.0798	----	----	----	----	500 UNCH
100	----	----	----	----	----	0.01 - 0.01	.0410	----	----	----	----	1000 UNCH
TOTAL												8550
SEP19												
0	----	----	----	----	----	0.23 - 0.02	.5680	----	----	----	----	500 UNCH
50	----	----	----	----	----	0.10 UNCH	.2562	----	----	----	----	5050 UNCH
75	----	----	----	----	----	0.06 - 0.01	.1633	----	----	----	----	500 UNCH
100	----	----	----	----	----	0.04 UNCH	.1089	----	----	----	----	1000 UNCH
TOTAL												7050
OCT19												



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

	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	
7A CALL													
OCT19													
0	----	----	----	----	----	0.30 - 0.02	.5992	----	----	----	----	250	UNCH
25	----	----	----	----	----	0.21 - 0.02	.4330	----	----	----	----	3000	UNCH
50	----	----	----	----	----	0.14 - 0.02	.3061	----	----	----	----	1700	UNCH
60	----	----	----	----	----	0.12 - 0.01	.2658	----	----	----	----	750	UNCH
75	----	----	----	----	----	0.09 - 0.01	.2091	----	----	----	----	500	UNCH
100	----	----	----	----	----	0.06 - 0.01	.1432	----	----	----	----	1400	UNCH
TOTAL												7600	
NOV19													
0	----	----	----	----	----	0.34 - 0.02	.6383	----	----	----	----	250	UNCH
25	----	----	----	----	----	0.23 - 0.02	.4686	----	----	----	----	3000	UNCH
50	----	----	----	----	----	0.16 UNCH	.3369	----	----	----	----	1700	UNCH
60	----	----	----	----	----	0.13 - 0.01	.2882	----	----	----	----	750	UNCH
75	----	----	----	----	----	0.11 UNCH	.2392	----	----	----	----	500	UNCH
100	----	----	----	----	----	0.07 - 0.01	.1619	----	----	----	----	1400	UNCH
TOTAL												7600	
DEC19													
0	----	----	----	----	----	0.36 - 0.04	.6576	----	----	----	----	250	UNCH
25	----	----	----	----	----	0.25 - 0.02	.4877	----	----	----	----	3000	UNCH
50	----	----	----	----	----	0.17 - 0.02	.3522	----	----	----	----	3000	UNCH
60	----	----	----	----	----	0.15 - 0.01	.3104	----	----	----	----	750	UNCH
75	----	----	----	----	----	0.12 - 0.01	.2537	----	----	----	----	500	UNCH
100	----	----	----	----	----	0.09 UNCH	.1876	----	----	----	----	1400	UNCH
TOTAL												8900	
JAN20													
50	----	----	----	----	----	0.21 - 0.01	.3805	----	----	----	----	600	UNCH
100	----	----	----	----	----	0.12 - 0.01	.2186	----	----	----	----	500	UNCH
150	----	----	----	----	----	0.08 - 0.01	.1376	----	----	----	----	1000	UNCH
TOTAL												2100	
FEB20													
50	----	----	----	----	----	0.20 - 0.02	.3765	----	----	----	----	600	UNCH
100	----	----	----	----	----	0.12 - 0.01	.2187	----	----	----	----	500	UNCH
150	----	----	----	----	----	0.08 - 0.01	.1377	----	----	----	----	1000	UNCH
TOTAL												2100	
MAR20													
50	----	----	----	----	----	0.20 - 0.02	.3800	----	----	----	----	600	UNCH
100	----	----	----	----	----	0.12 - 0.01	.2201	----	----	----	----	500	UNCH
150	----	----	----	----	----	0.09 UNCH	.1476	----	----	----	----	1000	UNCH
TOTAL												2100	
APR20													
50	----	----	----	----	----	0.26 - 0.01	.3940	----	----	----	----	600	UNCH
100	----	----	----	----	----	0.18 UNCH	.2579	----	----	----	----	500	UNCH
150	----	----	----	----	----	0.13 UNCH	.1773	----	----	----	----	1000	UNCH
TOTAL												2100	
MAY20													
50	----	----	----	----	----	0.29 - 0.01	.4049	----	----	----	----	600	UNCH
100	----	----	----	----	----	0.21 - 0.01	.2749	----	----	----	----	500	UNCH
150	----	----	----	----	----	0.15 - 0.01	.1910	----	----	----	----	1000	UNCH
TOTAL												2100	
JUN20													
50	----	----	----	----	----	0.29 - 0.02	.4108	----	----	----	----	600	UNCH
100	----	----	----	----	----	0.21 - 0.01	.2777	----	----	----	----	500	UNCH
150	----	----	----	----	----	0.15 - 0.01	.1926	----	----	----	----	1000	UNCH
TOTAL												2100	
7A PUT													
JUL19													
- 100	----	----	----	----	----	0.01 UNCH	.0007	----	----	----	----	750	UNCH
- 75	----	----	----	----	----	0.01 UNCH	.0099	----	----	----	----	3000	UNCH
- 50	----	----	----	----	----	0.01 UNCH	.0722	----	----	----	----	1500	UNCH
- 25	----	----	----	----	----	0.03 UNCH	.2234	----	----	----	----	1300	UNCH
- 15	----	----	----	----	----	0.05 UNCH	.3614	----	----	----	----	2500	UNCH
0	----	----	----	----	----	0.13 UNCH	.6505	----	----	----	----	1750	UNCH
25	----	----	----	----	----	0.35 UNCH	.8708	----	----	----	----	12550	UNCH
TOTAL												12550	
AUG19													
- 100	----	----	----	----	----	0.01 UNCH	.0142	----	----	----	----	750	UNCH
- 75	----	----	----	----	----	0.01 UNCH	.0502	----	----	----	----	1750	UNCH
- 50	----	----	----	----	----	0.02 UNCH	.1029	----	----	----	----	1500	UNCH
- 25	----	----	----	----	----	0.04 UNCH	.2159	----	----	----	----	3250	UNCH
- 5	----	----	----	----	----	0.10 UNCH	.4352	----	----	----	----	2000	UNCH
0	----	----	----	----	----	0.13 UNCH	.5000	----	----	----	----	1750	UNCH
25	----	----	----	----	----	0.30 - 0.01	.7619	----	----	----	----	1750	UNCH
TOTAL												12750	
SEP19													
- 100	----	----	----	----	----	0.01 UNCH	.0148	----	----	----	----	750	UNCH
- 75	----	----	----	----	----	0.01 UNCH	.0472	----	----	----	----	1750	UNCH
- 50	----	----	----	----	----	0.02 UNCH	.0946	----	----	----	----	1500	UNCH
- 25	----	----	----	----	----	0.05 + 0.01	.2113	----	----	----	----	1250	UNCH
0	----	----	----	----	----	0.15 + 0.01	.4319	----	----	----	----	1750	UNCH
25	----	----	----	----	----	0.32 + 0.03	.6191	----	----	----	----	1750	UNCH
TOTAL												8750	
OCT19													
- 100	----	----	----	----	----	0.01 UNCH	.0150	----	----	----	----	750	UNCH
- 75	----	----	----	----	----	0.01 UNCH	.0452	----	----	----	----	1750	UNCH
- 50	----	----	----	----	----	0.02 UNCH	.0893	----	----	----	----	500	UNCH
- 25	----	----	----	----	----	0.05 + 0.01	.1958	----	----	----	----	3350	UNCH
- 15	----	----	----	----	----	0.08 + 0.01	.2715	----	----	----	----	1500	UNCH
0	----	----	----	----	----	0.16 + 0.01	.4007	----	----	----	----	1750	UNCH
25	----	----	----	----	----	0.32 + 0.01	.5669	----	----	----	----	1750	UNCH
TOTAL												11350	
NOV19													
- 100	----	----	----	----	----	0.01 UNCH	.0367	----	----	----	----	750	UNCH
- 75	----	----	----	----	----	0.02 UNCH	.0695	----	----	----	----	1750	UNCH
- 50	----	----	----	----	----	0.03 UNCH	.1085	----	----	----	----	500	UNCH
- 25	----	----	----	----	----	0.06 + 0.01	.1997	----	----	----	----	3350	UNCH
- 15	----	----	----	----	----	0.08 UNCH	.2526	----	----	----	----	1500	UNCH
0	----	----	----	----	----	0.14 + 0.01	.3616	----	----	----	----	1750	UNCH
25	----	----	----	----	----	0.28 + 0.01	.5313	----	----	----	----	1750	UNCH
TOTAL												11350	
DEC19													
- 100	----	----	----	----	----	0.01 UNCH	.0153	----	----	----	----	750	UNCH
- 75	----	----	----	----	----	0.01 UNCH	.0425	----	----	----	----	1750	UNCH
- 50	----	----	----	----	----	0.03 + 0.01	.1059	----	----	----	----	1550	UNCH
- 25	----	----	----	----	----	0.05 UNCH	.1772	----	----	----	----	3350	UNCH
- 15	----	----	----	----	----	0.08 + 0.02	.2444	----	----	----	----	1500	UNCH
0	----	----	----	----	----	0.13 + 0.02	.3424	----	----	----	----	1850	UNCH
25	----	----	----	----	----	0.27 + 0.04	.5122	----	----	----	----	1750	UNCH
TOTAL												12500	
JAN20													
0	----	----	----	----	----	0.11 + 0.01	.3147	----	----	----	----	600	UNCH
TOTAL												600	
FEB20													
0	----	----	----	----	----	0.13 + 0.01	.3309	----	----	----	----	600	UNCH



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 PUT, WA CALL, and various contract months from JUL19 to MAY20.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 JUN20 to JUL20 and various contract specifications.

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. © Copyright CME Group Inc. All rights reserved.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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												
JUL20												
30	----	----	----	----	----	0.41 + 0.05	.5207	----	----	----	----	3000
TOTAL												10000 UNCH
AUG20												
0	----	----	----	----	----	0.21 + 0.02	.3773	----	----	----	----	7000
30	----	----	----	----	----	0.41 + 0.02	.5207	----	----	----	----	3000
TOTAL												10000 UNCH
SEP20												
0	----	----	----	----	----	0.24 + 0.04	.4044	----	----	----	----	7000
30	----	----	----	----	----	0.43 + 0.04	.5420	----	----	----	----	3000
TOTAL												10000 UNCH
OCT20												
0	----	----	----	----	----	0.24 + 0.04	.4116	----	----	----	----	7000
30	----	----	----	----	----	0.45 + 0.05	.5492	----	----	----	----	3000
TOTAL												10000 UNCH
NOV20												
0	----	----	----	----	----	0.25 + 0.04	.4217	----	----	----	----	7000
30	----	----	----	----	----	0.47 + 0.05	.5561	----	----	----	----	3000
TOTAL												10000 UNCH
DEC20												
0	----	----	----	----	----	0.25 + 0.03	.3942	----	----	----	----	7000
30	----	----	----	----	----	0.47 + 0.03	.5217	----	----	----	----	3000
TOTAL												10000 UNCH
WTI-BRENT SPREAD OPTION												
JUL19												
- 900	----	----	0.18B/*0.10A	0.18B/*0.10A	----	0.08 - 0.07	.1528	----	----	----	----	100
- 850	----	----	----/*0.05A	----/*0.05A	----	0.03 - 0.04	.0597	----	----	----	----	100
- 800	----	----	----	----	----	0.01 - 0.02	.0198	----	----	----	----	300
- 700	----	----	----	----	----	0.01 UNCH	.0007	----	----	----	----	750
- 650	----	----	----	----	----	0.01 UNCH	.0001	----	----	----	----	100
- 600	----	----	----	----	----	0.01 UNCH	.0000	----	----	----	----	1150
- 550	----	----	----	----	----	0.01 UNCH	----	----	----	----	----	2050
- 500	----	----	----	----	----	0.01 UNCH	----	----	----	----	----	2150
- 400	----	----	----	----	----	0.01 UNCH	----	----	----	----	----	400
TOTAL												7100 UNCH
AUG19												
- 700	----	----	----/*0.17A	----/*0.17A	----	0.17 - 0.01	.1814	----	----	----	----	2400
- 600	----	----	----	----	----	0.06 UNCH	.0733	----	----	----	----	600
- 550	----	----	----	----	----	0.04 UNCH	.0491	----	----	----	----	2850
- 500	----	----	----	----	----	0.02 UNCH	.0265	----	----	----	----	1425
- 450	----	----	----	----	----	0.01 UNCH	.0140	----	----	----	----	3000
- 400	----	----	----	----	----	0.01 UNCH	.0067	----	----	----	----	400
TOTAL												10675 UNCH
SEP19												
- 800	----	----	1.17B/----	1.17B/----	----	1.13 + 0.05	.5762	----	----	----	----	1000
- 700	----	----	0.64B/----	0.64B/----	----	0.59 + 0.03	.3931	----	----	----	----	450
- 600	----	----	0.30B/----	0.30B/----	----	0.28 + 0.01	.2269	----	----	----	----	1000
- 550	----	----	0.19B/----	0.19B/----	----	0.19 + 0.01	.1650	----	----	----	----	1850
- 500	----	----	----	----	----	0.13 + 0.01	.1187	----	----	----	----	600
- 400	----	----	----	----	----	0.06 UNCH	.0591	----	----	----	----	500
TOTAL												5400 UNCH
OCT19												
- 700	----	----	1.08B/----	1.08B/----	----	1.03 + 0.06	.5031	----	----	----	----	200
- 600	----	----	0.56B/----	0.56B/----	----	0.56 + 0.04	.3430	----	----	----	----	1650
- 500	----	----	----	----	----	0.28 + 0.02	.2048	----	----	----	----	850
- 400	----	----	----	----	----	0.14 + 0.01	.1142	----	----	----	----	400
TOTAL												3100 UNCH
NOV19												
- 700	----	----	1.34B/----	1.34B/----	----	1.25 + 0.08	.5523	----	----	----	----	200
- 600	----	----	#0.77B/----	#0.77B/----	----	0.74 + 0.05	.4004	----	----	----	----	600
- 500	----	----	----	----	----	0.43 + 0.03	.2657	----	----	----	----	850
- 400	----	----	----	----	----	0.26 + 0.02	.1716	----	----	----	----	400
TOTAL												2050 UNCH
DEC19												
- 950	----	----	----	----	----	3.26 + 0.13	.8264	----	----	----	----	1500
- 850	----	----	----	----	----	2.47 + 0.11	.7403	----	----	----	----	100
- 800	----	----	----	----	----	2.11 + 0.11	.6876	----	----	----	----	500
- 700	----	----	2.16B/----	2.16B/----	----	1.44 + 0.09	.5671	----	----	----	----	1500
- 650	----	----	1.49B/----	1.49B/----	----	1.16 + 0.07	.5000	----	----	----	----	100
- 600	----	----	1.20B/----	1.20B/----	----	0.93 + 0.06	.4317	----	----	----	----	3300
- 550	----	----	0.94B/----	0.94B/----	----	0.74 + 0.05	.3664	----	----	----	----	100
- 500	----	----	0.71B/----	0.71B/----	----	0.58 + 0.04	.3057	----	----	----	----	850
- 450	----	----	----	----	----	0.45 + 0.03	.2510	----	----	----	----	1300
- 400	----	----	----	----	----	0.35 + 0.03	.2043	----	----	----	----	575
- 200	----	----	----	----	----	0.11 + 0.01	.0766	----	----	----	----	350
0	----	----	----	----	----	0.04 + 0.01	.0295	----	----	----	----	4200
200	----	----	----	----	----	0.01 UNCH	.0082	----	----	----	----	100
300	----	----	----	----	----	0.01 UNCH	.0037	----	----	----	----	450
TOTAL												14925 UNCH
JAN20												
- 400	----	----	----	----	----	0.35 + 0.03	.2079	----	----	----	----	50
- 250	----	----	----	----	----	0.14 + 0.01	.0975	----	----	----	----	200
0	----	----	----	----	----	0.03 + 0.01	.0241	----	----	----	----	200
TOTAL												450 UNCH
FEB20												
- 400	----	----	----	----	----	0.43 + 0.04	.2297	----	----	----	----	50
- 250	----	----	----	----	----	0.18 + 0.02	.1141	----	----	----	----	200
0	----	----	----	----	----	0.04 UNCH	.0300	----	----	----	----	200
TOTAL												450 UNCH
MAR20												
- 400	----	----	----	----	----	0.48 + 0.04	.2407	----	----	----	----	50
- 250	----	----	----	----	----	0.21 + 0.02	.1249	----	----	----	----	200
0	----	----	----	----	----	0.05 UNCH	.0353	----	----	----	----	200
TOTAL												450 UNCH
APR20												
- 600	----	----	----	----	----	1.24 + 0.08	.4545	----	----	----	----	750
- 400	----	----	----	----	----	0.45 + 0.04	.2327	----	----	----	----	50
- 300	----	----	----	----	----	0.26 + 0.02	.1509	----	----	----	----	750
- 250	----	----	----	----	----	0.19 + 0.01	.1172	----	----	----	----	200
0	----	----	----	----	----	0.05 UNCH	.0352	----	----	----	----	200
TOTAL												1950 UNCH
MAY20												
- 600	----	----	----	----	----	1.25 + 0.07	.4530	----	----	----	----	750
- 400	----	----	----	----	----	0.45 + 0.03	.2319	----	----	----	----	50
- 300	----	----	----	----	----	0.26 + 0.01	.1505	----	----	----	----	750
- 250	----	----	----	----	----	0.20 + 0.01	.1205	----	----	----	----	200
0	----	----	----	----	----	0.05 UNCH	.0352	----	----	----	----	200
TOTAL												1950 UNCH
JUN20												
- 650	----	----	----	----	----	1.50 + 0.07	.5054	----	----	----	----	500
TOTAL												500 UNCH

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

© Copyright CME Group Inc. All rights reserved.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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 BV CALL, WTI-BRENT SPREAD OPTION, and BV PUT for months JUN20 through DEC19.

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. © Copyright CME Group Inc. All rights reserved.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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: 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 DEC19 to DEC20 with various contract specifications and volume data.



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

OPTIONS EOO'S AND BLOCKS

PRODUCT	STRIKE PRICE	EOO VOLUME	BLOCK VOLUME
NYMEX CRUDE OIL OPTIONS (PHY)			
LO CALL JUL19			
LO CALL	5850	0	250
LO	6000	0	1200
LO	6150	0	150
LO	6200	0	2000
LO	6500	0	100
LO	6600	0	1500
TOTALS		0	5200
AUG19 CALL			
LO	5750	0	500
LO	5800	0	300
LO	5850	0	500
LO	7400	0	1200
TOTALS		0	2500
SEP19 CALL			
LO	5900	0	900
LO	6200	0	400
LO	6300	0	1000
LO	6900	0	800
TOTALS		0	3100
OCT19 CALL			
LO	5850	0	50
TOTALS		0	50
DEC19 CALL			
LO	5700	0	500
LO	5800	0	1000
LO	5900	0	400
LO	6000	0	150
LO	7000	0	200
LO	7200	0	700
LO	8000	0	1500
TOTALS		0	4450
MAR20 CALL			
LO	5800	0	200
LO	7500	0	400
TOTALS		0	600
JUN20 CALL			
LO	5650	0	450
LO	5850	0	150
LO	7000	0	1150
TOTALS		0	1750
SEP20 CALL			
LO	5550	0	200
LO	6000	0	250
TOTALS		0	450
DEC20 CALL			
LO	5500	0	500
LO	6500	0	100
LO	7000	0	100
TOTALS		0	700
NYMEX CRUDE OIL OPTIONS (PHY)			
LO PUT JUL19			
LO PUT	5500	0	350
LO	5850	0	150
LO	6000	0	1850
LO	6200	0	1000
TOTALS		0	3350
AUG19 PUT			
LO	5650	0	400
TOTALS		0	400
SEP19 PUT			
LO	4800	0	264
LO	5300	0	1000
LO	5500	0	500
LO	5800	0	264
LO	5900	0	900
LO	6000	0	150
TOTALS		0	3078
OCT19 PUT			
LO	5850	0	50
TOTALS		0	50
DEC19 PUT			
LO	5000	0	300
LO	5100	0	700
LO	5500	0	200
LO	5600	0	100
LO	5700	0	250
LO	6000	0	100
TOTALS		0	1650
MAR20 PUT			
LO	4500	0	400
TOTALS		0	400
JUN20 PUT			
LO	5000	0	1150
TOTALS		0	1150
DEC20 PUT			
LO	3000	0	200
LO	3500	0	200
LO	4500	0	100
TOTALS		0	500
NYMEX HEATING OIL (PHY) OPTIONS			
OH CALL JUN19			
OH CALL	20000	0	330
OH	20200	0	100
OH	20400	0	100
OH	21000	0	200
TOTALS		0	730
JUL19 CALL			
OH	19500	0	100
OH	20000	0	150
OH	20200	0	100
OH	21500	0	150



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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.

TOTALS			0	500
AUG19	CALL			
OH		19200	0	50
TOTALS			0	50
SEP19	CALL			
OH		18400	0	300
TOTALS			0	300
DEC19	CALL			
OH		20700	0	12
OH		22000	0	125
TOTALS			0	137
JAN20	CALL			
OH		20700	0	12
TOTALS			0	12
FEB20	CALL			
OH		20700	0	12
TOTALS			0	12
MAR20	CALL			
OH		20700	0	12
TOTALS			0	12
APR20	CALL			
OH		20700	0	12
TOTALS			0	12
MAY20	CALL			
OH		20700	0	12
TOTALS			0	12
JUN20	CALL			
OH		19500	0	150
TOTALS			0	150

OH PUT NYMEX HEATING OIL (PHY) OPTIONS

JUN19	PUT			
OH		18000	0	175
OH		18800	0	250
OH		19000	0	425
OH		19800	0	150
OH		20000	0	350
TOTALS			0	1350
JUL19	PUT			
OH		17000	0	100
OH		17500	0	100
TOTALS			0	200
DEC19	PUT			
OH		19000	0	125
TOTALS			0	125

OB CALL NYMEX RBOB (PHY) OPTIONS

JUL19	CALL			
OB		18000	0	100
OB		19000	0	100
OB		19700	0	100
TOTALS			0	300
AUG19	CALL			
OB		18500	0	75
OB		19300	0	50
TOTALS			0	125
SEP19	CALL			
OB		18500	0	50
TOTALS			0	50
OCT19	CALL			
OB		16700	0	50
TOTALS			0	50

OB PUT NYMEX RBOB (PHY) OPTIONS

JUL19	PUT			
OB		17500	0	100
TOTALS			0	100
OCT19	PUT			
OB		16700	0	50
TOTALS			0	50

WA CALL WTI CRUDE OIL 1MO CAL SPRD OPTIONS

JUL19	CALL			
WA		0	0	500
TOTALS			0	500
OCT19	CALL			
WA		50	0	5000
TOTALS			0	5000

WA PUT WTI CRUDE OIL 1MO CAL SPRD OPTIONS

AUG19	PUT			
WA		25	0	4500
TOTALS			0	4500

LC CALL NYMEX CRUDE OIL (EURO) OPTS (PHY)

AUG19	CALL			
LC		3000	0	100
LC		13000	0	100
TOTALS			0	200
DEC19	CALL			
LC		3000	0	300
LC		13000	0	300
TOTALS			0	600

LC PUT NYMEX CRUDE OIL (EURO) OPTS (PHY)

AUG19	PUT			
LC		3000	0	100
LC		5200	0	20
LC		5400	0	20
LC		5500	0	20
LC		5700	0	20
LC		5800	0	20
LC		6000	0	20
LC		13000	0	100
TOTALS			0	320
DEC19	PUT			
LC		3000	0	300
LC		13000	0	300

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

TOTALS		0	600
LN CALL	NYMEX NATURAL GAS (EURO) OPTS		
JUN19	CALL		
LN		2550	0
LN		2600	0
LN		2650	0
LN		2700	0
LN		2750	0
LN		2800	0
TOTALS		0	4800
JUL19	CALL		
LN		2600	0
LN		2700	0
LN		2750	0
LN		2800	0
LN		2850	0
TOTALS		0	2350
AUG19	CALL		
LN		2700	0
LN		2750	0
LN		2900	0
LN		3000	0
LN		3250	0
TOTALS		0	1250
SEP19	CALL		
LN		2550	0
LN		2750	0
TOTALS		0	500
OCT19	CALL		
LN		2850	0
LN		2950	0
TOTALS		0	600
NOV19	CALL		
LN		2750	0
LN		2800	0
LN		3000	0
LN		3500	0
TOTALS		0	1800
DEC19	CALL		
LN		3250	0
TOTALS		0	34
JAN20	CALL		
LN		3900	0
LN		4000	0
LN		5500	0
LN		6000	0
TOTALS		0	1584
FEB20	CALL		
LN		3150	0
TOTALS		0	100
APR20	CALL		
LN		3750	0
TOTALS		0	1050
MAY20	CALL		
LN		2900	0
LN		3750	0
TOTALS		0	1125
JUN20	CALL		
LN		3750	0
TOTALS		0	1050
JUL20	CALL		
LN		3750	0
TOTALS		0	1050
AUG20	CALL		
LN		3750	0
TOTALS		0	1050
SEP20	CALL		
LN		3750	0
TOTALS		0	1050
OCT20	CALL		
LN		3750	0
TOTALS		0	1050
JAN21	CALL		
LN		4000	0
TOTALS		0	15
FEB21	CALL		
LN		4000	0
TOTALS		0	15
MAR21	CALL		
LN		4000	0
TOTALS		0	15
LN PUT	NYMEX NATURAL GAS (EURO) OPTS		
JUN19	PUT		
LN		2450	0
LN		2500	0
LN		2550	0
TOTALS		0	1800
JUL19	PUT		
LN		2300	0
LN		2400	0
LN		2450	0
LN		2600	0
TOTALS		0	2250
AUG19	PUT		
LN		2250	0
LN		2400	0
LN		2500	0
TOTALS		0	425
SEP19	PUT		
LN		2500	0
LN		2750	0
TOTALS		0	450
OCT19	PUT		
LN		2250	0
LN		2500	0
LN		2600	0
TOTALS		0	300



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

TOTALS		0	2300
NOV19	PUT		
LN		2250	0
LN		2400	0
LN		2600	0
LN		2650	0
TOTALS		0	2500
JAN20	PUT		
LN		2750	0
TOTALS		0	200
FEB20	PUT		
LN		2750	0
TOTALS		0	200
MAR20	PUT		
LN		2750	0
TOTALS		0	200
APR20	PUT		
LN		2500	0
LN		2750	0
TOTALS		0	300
MAY20	PUT		
LN		2750	0
TOTALS		0	200
JUN20	PUT		
LN		2750	0
TOTALS		0	200
JUL20	PUT		
LN		2750	0
TOTALS		0	200
AUG20	PUT		
LN		2750	0
TOTALS		0	200
SEP20	PUT		
LN		2750	0
TOTALS		0	200
OCT20	PUT		
LN		2750	0
TOTALS		0	200
NOV20	PUT		
LN		2750	0
TOTALS		0	200
DEC20	PUT		
LN		2750	0
TOTALS		0	200

KD PUT NYMEX ONE DAY NATURAL GAS OPTIONS

MAY19	PUT		
KD		2525	0
TOTALS		0	100

RF CALL RBOB EURO EXPIRATION OPTION

JUN19	CALL		
RF		20000	0
RF		20600	0
RF		20700	0
TOTALS		0	150

RF PUT RBOB EURO EXPIRATION OPTION

JUN19	PUT		
RF		19500	0
TOTALS		0	75

BE PUT BRENT EURO STYLE OPTION

AUG19	PUT		
BE		6800	0
TOTALS		0	1000

BV CALL WTI-BRENT SPREAD OPTION

DEC20	CALL		
BV		-500	0
BV		0	0
TOTALS		0	1500

AO CALL CRUDE OIL APO OPTIONS

MAY19	CALL		
AO		8145	0
TOTALS		0	14
JUN19	CALL		
AO		8145	0
TOTALS		0	14
JUL19	CALL		
AO		8145	0
TOTALS		0	14
AUG19	CALL		
AO		8145	0
TOTALS		0	14
SEP19	CALL		
AO		8145	0
TOTALS		0	14
OCT19	CALL		
AO		8145	0
TOTALS		0	14
NOV19	CALL		
AO		8145	0
TOTALS		0	14
DEC19	CALL		
AO		8145	0
TOTALS		0	14

AO PUT CRUDE OIL APO OPTIONS

MAY19	PUT		
AO		6500	0
TOTALS		0	14
JUN19	PUT		
AO		5700	0
AO		6500	0
TOTALS		0	3

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 # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

TOTALS		0	17
JUL19	PUT		
AO		5700	0
AO		6500	0
TOTALS		0	17
AUG19	PUT		
AO		5700	0
AO		6500	0
TOTALS		0	17
SEP19	PUT		
AO		5700	0
AO		6500	0
TOTALS		0	17
OCT19	PUT		
AO		5700	0
AO		6500	0
TOTALS		0	17
NOV19	PUT		
AO		6500	0
TOTALS		0	14
DEC19	PUT		
AO		6500	0
TOTALS		0	14
JAN21	PUT		
AO		4000	0
TOTALS		0	50
FEB21	PUT		
AO		4000	0
TOTALS		0	50
MAR21	PUT		
AO		4000	0
TOTALS		0	50
APR21	PUT		
AO		4000	0
TOTALS		0	50
MAY21	PUT		
AO		4000	0
TOTALS		0	50
JUN21	PUT		
AO		4000	0
TOTALS		0	50

AT CALL HEATING OIL APO (AVG PRICE) OPTIONS

JAN20	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
FEB20	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
MAR20	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
APR20	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
MAY20	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
JUN20	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
JUL20	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
AUG20	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
SEP20	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
OCT20	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
NOV20	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
DEC20	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
JAN21	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
FEB21	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
MAR21	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	4
APR21	CALL			
AT		20000	0	2
AT		23500	0	2
TOTALS			0	2



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

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.

TOTALS		0	4
MAY21	CALL		
AT	20000	0	2
AT	23500	0	2
TOTALS		0	4
JUN21	CALL		
AT	20000	0	2
AT	23500	0	2
TOTALS		0	4
JUL21	CALL		
AT	20000	0	2
AT	23500	0	2
TOTALS		0	4
AUG21	CALL		
AT	20000	0	2
AT	23500	0	2
TOTALS		0	4
SEP21	CALL		
AT	20000	0	2
AT	23500	0	2
TOTALS		0	4
OCT21	CALL		
AT	20000	0	2
AT	23500	0	2
TOTALS		0	4
NOV21	CALL		
AT	20000	0	2
AT	23500	0	2
TOTALS		0	4
DEC21	CALL		
AT	20000	0	2
AT	23500	0	2
TOTALS		0	4

AT PUT HEATING OIL APO (AVG PRICE) OPTIONS

JAN20	PUT		
AT	17500	0	2
TOTALS		0	2
FEB20	PUT		
AT	17500	0	2
TOTALS		0	2
MAR20	PUT		
AT	17500	0	2
TOTALS		0	2
APR20	PUT		
AT	17500	0	2
TOTALS		0	2
MAY20	PUT		
AT	17500	0	2
TOTALS		0	2
JUN20	PUT		
AT	17500	0	2
TOTALS		0	2
JUL20	PUT		
AT	17500	0	2
TOTALS		0	2
AUG20	PUT		
AT	17500	0	2
TOTALS		0	2
SEP20	PUT		
AT	17500	0	2
TOTALS		0	2
OCT20	PUT		
AT	17500	0	2
TOTALS		0	2
NOV20	PUT		
AT	17500	0	2
TOTALS		0	2
DEC20	PUT		
AT	17500	0	2
TOTALS		0	2
JAN21	PUT		
AT	16500	0	2
TOTALS		0	2
FEB21	PUT		
AT	16500	0	2
TOTALS		0	2
MAR21	PUT		
AT	16500	0	2
TOTALS		0	2
APR21	PUT		
AT	16500	0	2
TOTALS		0	2
MAY21	PUT		
AT	16500	0	2
TOTALS		0	2
JUN21	PUT		
AT	16500	0	2
TOTALS		0	2
JUL21	PUT		
AT	16500	0	2
TOTALS		0	2
AUG21	PUT		
AT	16500	0	2
TOTALS		0	2
SEP21	PUT		
AT	16500	0	2
TOTALS		0	2
OCT21	PUT		
AT	16500	0	2
TOTALS		0	2
NOV21	PUT		
AT	16500	0	2



PG63 BULLETIN # 99@

ENERGY OPTIONS

Thu, May 23, 2019 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.

TOTALS			0	2
DEC21	PUT			
AT		16500	0	2
TOTALS			0	2
G4	PUT	NATURAL GAS 1 M CSO FIN		
AUG19	PUT		0	1000
G4			0	1000
TOTALS				
E7	CALL	HENRY HUB FINANCIAL LAST DAY 0		
JUN19	CALL		260	50
E7			0	50
TOTALS				
E7	PUT	HENRY HUB FINANCIAL LAST DAY 0		
JUN19	PUT		250	100
E7			0	100
TOTALS				
CVR	CALL	CHICAGO ETHANOL(PLATTS) APO		
JUL19	CALL		14500	25
CVR			0	25
TOTALS				
AUG19	CALL		14000	25
CVR			0	25
TOTALS				
CVR	PUT	CHICAGO ETHANOL(PLATTS) APO		
JUL19	PUT		13000	25
CVR			0	25
TOTALS				
BZ0	CALL	BRENT CRUDE OIL FUT MARGIN OPT		
JUL19	CALL		7300	500
BZ0			0	500
TOTALS				
AUG19	CALL		6600	300
BZ0			7300	300
TOTALS				600
DEC19	CALL		6350	150
BZ0			6450	100
TOTALS				250
BZ0	PUT	BRENT CRUDE OIL FUT MARGIN OPT		
JUL19	PUT		6000	200
BZ0			6400	200
BZ0			6700	400
BZ0			6800	300
TOTALS				1100
AUG19	PUT		6500	300
BZ0				300
TOTALS				