



FINAL

PG63 BULLETIN #222@

ENERGY OPTIONS

Thu, Nov 16, 2017 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

Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include contracts like GXZ CALL, GXZ PUT, BA CALL, and various months from NOV17 to APR19.



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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from MAY19 to SEP21 with various contract specifications and volume data.



2017 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin  
CME Group, Inc.  
20 South Wacker Drive, Chicago, Illinois 60606-7499.  
Customer Service: (312) 930-1000

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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 JUN18, JUL18, AUG18, SEP18.

Table with columns: BZ0 CALL, BRENT CRUDE OIL FUT MARGIN OPT, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include JAN18, FEB18, MAR18.

Table with columns: BZ0 CALL, BRENT CRUDE OIL FUT MARGIN OPT, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include APR18, MAY18, JUN18, JUL18, AUG18, SEP18, OCT18, NOV18.

Table with columns: BZ0 CALL, BRENT CRUDE OIL FUT MARGIN OPT, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include DEC18, JAN19, FEB19, MAR19, APR19, MAY19, JUN19, JUL19, AUG19, SEP19, OCT19, NOV19, DEC19.

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Table with columns: MTO, CALL, PUT, COAL, API2, CIF, ARA, ARGSMCCLOSKEY, OP, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from MAY18 to DEC18 for various contract types like COAL and CRUDE OIL.



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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include AO CALL, CRUDE OIL APO OPTIONS, and monthly summaries for MAR19, APR19, MAY19, JUN19, JUL19, AUG19, and SEP19.



PG63 BULLETIN #222@

ENERGY OPTIONS

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Table for L01 CALL CRUDE OIL OPTIONS. Columns: L01 CALL, CRUDE OIL OPTIONS, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include contract months from DEC17 to 6300.

Table for L01 PUT CRUDE OIL OPTIONS. Columns: L01 PUT, CRUDE OIL OPTIONS, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include contract months from DEC17 to 5650.

Table for L02 CALL CRUDE OIL OPTIONS. Columns: L02 CALL, CRUDE OIL OPTIONS, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include contract months from DEC17 to 6300.

Table for L02 PUT CRUDE OIL OPTIONS. Columns: L02 PUT, CRUDE OIL OPTIONS, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include contract months from DEC17 to 5650.

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ENERGY OPTIONS

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ENERGY OPTIONS

Thu, Nov 16, 2017 PG63

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include AT CALL SEP18, OCT18, NOV18, DEC18, JAN19, FEB19, MAR19, AT PUT NOV17, DEC17, JAN18.





PG63 BULLETIN #222@

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2017 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 #222@

ENERGY OPTIONS

Thu, Nov 16, 2017 PG63

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GLOBEX OPEN		OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
E7 CALL HENRY HUB FINANCIAL LAST DAY 0												
DEC17												
400	----	----	----	----	----	0.0001 - 0.0003	.0008	----	----	----	----	20 UNCH
420	----	----	----	----	----	0.0001 UNCH	.0001	----	----	----	----	4 UNCH
425	----	----	----	----	----	0.0001 UNCH	.0000	----	----	----	----	8 UNCH
450	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	6 UNCH
470	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	90 UNCH
500	----	----	----	----	----	0.0001 UNCH	----	----	----	----	2	25 UNCH
TOTAL												501 +
JAN18												
275	----	----	----	----	----	0.4351 - 0.0252	.8616	----	----	----	----	1 UNCH
300	----	----	----	----	----	0.2628 - 0.0215	.6633	----	----	----	----	32 UNCH
320	----	----	----	----	----	0.1684 - 0.0177	.4901	----	----	----	----	1 UNCH
325	----	----	----	----	----	0.1500 - 0.0168	.4500	----	----	4	----	15 + 4
330	----	----	----	----	----	0.1334 - 0.0159	.4118	----	----	----	----	6 UNCH
335	----	----	----	----	----	0.1184 - 0.0149	.3756	----	----	----	----	4 UNCH
350	----	----	----	----	----	0.0822 - 0.0120	.2806	----	----	----	----	4 UNCH
360	----	----	----	----	----	0.0643 - 0.0101	.2287	----	----	----	----	5 UNCH
375	----	----	----	----	----	0.0443 - 0.0078	.1663	----	----	4	----	26 + 4
380	----	----	----	----	----	0.0391 - 0.0072	.1491	----	----	----	----	15 UNCH
395	----	----	----	----	----	0.0270 - 0.0056	.1073	----	----	----	----	47 UNCH
400	----	----	----	----	----	0.0239 - 0.0051	.0961	----	----	----	----	24 UNCH
425	----	----	----	----	----	0.0132 - 0.0030	.0557	----	----	----	----	10 UNCH
450	----	----	----	----	----	0.0075 - 0.0017	.0327	----	----	----	----	12 UNCH
470	----	----	----	----	----	0.0048 - 0.0011	.0213	----	----	----	----	90 UNCH
500	----	----	----	----	----	0.0025 - 0.0006	.0114	----	----	----	----	32 UNCH
TOTAL												324 + 8
FEB18												
275	----	----	----	----	----	0.4790 - 0.0235	.7962	----	----	----	----	1 UNCH
300	----	----	----	----	----	0.3301 - 0.0214	.6378	----	----	----	----	30 UNCH
320	----	----	----	----	----	0.2440 - 0.0186	.5145	----	----	----	----	1 UNCH
325	----	----	----	----	----	0.2263 - 0.0179	.4861	----	----	4	----	12 + 4
330	----	----	----	----	----	0.2100 - 0.0173	.4588	----	----	----	----	6 UNCH
335	----	----	----	----	----	0.1949 - 0.0166	.4327	----	----	----	----	4 UNCH
350	----	----	----	----	----	0.1562 - 0.0147	.3619	----	----	----	----	4 UNCH
360	----	----	----	----	----	0.1350 - 0.0133	.3206	----	----	----	----	5 UNCH
375	----	----	----	----	----	0.1089 - 0.0114	.2671	----	----	7	----	34 + 7
380	----	----	----	----	----	0.1015 - 0.0108	.2513	----	----	----	----	15 UNCH
395	----	----	----	----	----	0.0824 - 0.0093	.2095	----	----	----	----	41 UNCH
400	----	----	----	----	----	0.0770 - 0.0088	.1972	----	----	----	----	29 UNCH
425	----	----	----	----	----	0.0552 - 0.0071	.1463	----	----	----	----	12 UNCH
450	----	----	----	----	----	0.0401 - 0.0060	.1093	----	----	----	----	13 UNCH
470	----	----	----	----	----	0.0315 - 0.0050	.0873	----	----	----	----	90 UNCH
500	----	----	----	----	----	0.0224 - 0.0036	.0633	----	----	----	11	22 UNCH
TOTAL												319 + 11
MAR18												
275	----	----	----	----	----	0.4888 - 0.0187	.7499	----	----	----	----	1 UNCH
300	----	----	----	----	----	0.3593 - 0.0175	.6119	----	----	----	----	18 UNCH
320	----	----	----	----	----	0.2830 - 0.0160	.5114	----	----	----	----	1 UNCH
325	----	----	----	----	----	0.2669 - 0.0155	.4884	----	----	4	----	12 + 4
330	----	----	----	----	----	0.2519 - 0.0150	.4664	----	----	----	----	6 UNCH
335	----	----	----	----	----	0.2379 - 0.0145	.4453	----	----	----	----	4 UNCH
350	----	----	----	----	----	0.2011 - 0.0129	.3875	----	----	----	----	4 UNCH
360	----	----	----	----	----	0.1805 - 0.0116	.3535	----	----	----	----	5 UNCH
375	----	----	----	----	----	0.1537 - 0.0104	.3080	----	----	4	----	31 + 4
380	----	----	----	----	----	0.1458 - 0.0101	.2942	----	----	----	----	15 UNCH
395	----	----	----	----	----	0.1246 - 0.0093	.2566	----	----	----	----	35 UNCH
400	----	----	----	----	----	0.1184 - 0.0090	.2453	----	----	----	----	37 UNCH
425	----	----	----	----	----	0.0925 - 0.0079	.1967	----	----	----	----	17 UNCH
450	----	----	----	----	----	0.0732 - 0.0068	.1590	----	----	----	----	17 UNCH
470	----	----	----	----	----	0.0611 - 0.0060	.1347	----	----	----	----	90 UNCH
500	----	----	----	----	----	0.0471 - 0.0048	.1058	----	----	----	----	28 UNCH
TOTAL												321 + 8
APR18												
300	----	----	----	----	----	0.1889 + 0.0001	.4939	----	----	----	3	18 + 3
315	----	----	----	----	----	0.1344 - 0.0002	.3890	----	----	----	----	5 UNCH
325	----	----	----	----	----	0.1060 - 0.0003	.3260	----	----	4	----	63 + 4
330	----	----	----	----	----	0.0938 - 0.0004	.2970	----	----	----	----	6 UNCH
335	----	----	----	----	----	0.0829 - 0.0005	.2698	----	----	----	----	4 UNCH
360	----	----	----	----	----	0.0443 - 0.0009	.1619	----	----	----	----	5 UNCH
375	----	----	----	----	----	0.0306 - 0.0011	.1178	----	----	----	----	5 UNCH
380	----	----	----	----	----	0.0272 - 0.0010	.1062	----	----	----	----	7 UNCH
500	----	----	----	----	----	0.0036 - 0.0002	.0150	----	----	----	----	28 UNCH
TOTAL												141 + 7
MAY18												
300	----	----	----	----	----	0.1757 + 0.0007	.4803	----	----	----	5	23 + 5
310	----	----	----	----	----	0.1370 - 0.0002	.4061	----	----	----	----	4 UNCH
315	----	----	----	----	----	0.1202 - 0.0007	.3706	----	----	----	----	5 UNCH
325	----	----	----	----	----	0.0918 - 0.0013	.3044	----	----	4	----	66 + 4
330	----	----	----	----	----	0.0798 - 0.0015	.2740	----	----	----	----	6 UNCH
335	----	----	----	----	----	0.0692 - 0.0016	.2457	----	----	----	----	4 UNCH
360	----	----	----	----	----	0.0322 - 0.0023	.1332	----	----	----	----	5 UNCH
375	----	----	----	----	----	0.0197 - 0.0022	.0882	----	----	----	----	5 UNCH
500	----	----	----	----	----	0.0016 - 0.0004	.0078	----	----	----	----	32 UNCH
TOTAL												150 + 9
JUN18												
300	----	----	----	----	----	0.2027 + 0.0008	.5061	----	----	----	7	27 + 7
310	----	----	----	----	----	0.1617 + 0.0002	.4359	----	----	----	----	4 UNCH
315	----	----	----	----	----	0.1436 UNCH	.4019	----	----	----	----	5 UNCH
325	----	----	----	----	----	0.1120 - 0.0004	.3372	----	----	4	----	76 + 4
330	----	----	----	----	----	0.0983 - 0.0007	.3067	----	----	----	----	6 UNCH
335	----	----	----	----	----	0.0860 - 0.0009	.2778	----	----	----	----	4 UNCH
360	----	----	----	----	----	0.0428 - 0.0012	.1608	----	----	----	----	5 UNCH
375	----	----	----	----	----	0.0276 - 0.0010	.1119	----	----	----	----	5 UNCH
500	----	----	----	----	----	0.0029 - 0.0001	.0129	----	----	----	----	44 UNCH
TOTAL												176 + 11
JUL18												
300	----	----	----	----	----	0.2300 + 0.0014	.5305	----	----	----	6	29 + 6
310	----	----	----	----	----	0.1869 + 0.0008	.4638	----	----	----	----	4 UNCH
315	----	----	----	----	----	0.1676 + 0.0005	.4311	----	----	----	----	5 UNCH
325	----	----	----	----	----	0.1336 + 0.0001	.3684	----	----	4	----	69 + 4
330	----	----	----	----	----	0.1187 - 0.0002	.3385	----	----	----	----	6 UNCH
335	----	----	----	----	----	0.1051 - 0.0004	.3099	----	----	----	----	4 UNCH
360	----	----	----	----	----	0.0369 - 0.0011	.1364	----	----	----	----	5 UNCH
500	----	----	----	----	----	0.0035 - 0.0001	.0151	----	----	----	----	47 UNCH
TOTAL												169 + 10
AUG18												
300	----	----	----	----	----	0.2448 + 0.0025	.5351	----	----	----	6	30 + 6
310	----	----	----	----	----	0.2016 + 0.0019	.4720	----	----	----	----	4 UNCH
315	----	----	----	----	----	0.1822 + 0.0016	.4411	----	----	----	----	5 UNCH
325	----	----	----	----	----	0.1475 + 0.0012	.3814	----	----	4	----	63 + 4
330	----	----	----	----	----	0.1321 + 0.0008	.3528	----	----	----	----	6 UNCH
335	----	----	----	----	----	0.1181 + 0.0006	.3254	----	----	----	----	4 UNCH
360	----	----	----	----	----	0.0448 - 0.0006	.1535	----	----	----	----	5 UNCH
500	----	----	----	----	----	0.0043 UNCH	.0179	----	----	----	----	50 UNCH
TOTAL												167 + 10
SEP18												
300	----	----	----	----	----	0.2515 + 0.0018	.5284	----	----	----	6</	



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	GLOBEX OPEN	OPEN OPEN	OUTCRY RANGE	GLOBEX HIGH/LOW	OPEN HIGH/LOW	OUTCRY CLOSE	OUTCRY RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
HENRY HUB FINANCIAL LAST DAY 0														
E7 PUT														
JAN19														
300	----	----	----	----	----	----	----	0.2257 - 0.0100	.3248	----	----	----	----	27
TOTAL														54 UNCH
FEB19														
200	----	----	----	----	----	----	----	0.0160 - 0.0014	.0372	----	----	----	2	26 +
230	----	----	----	----	----	----	----	0.0480 - 0.0034	.0943	----	----	----	4	4 UNCH
300	----	----	----	----	----	----	----	0.2720 - 0.0099	.3419	----	----	----	27	27 UNCH
TOTAL													2	57 + 2
MAR19														
200	----	----	----	----	----	----	----	0.0266 - 0.0022	.0544	----	----	----	3	27 +
230	----	----	----	----	----	----	----	0.0713 - 0.0045	.1226	----	----	----	4	4 UNCH
300	----	----	----	----	----	----	----	0.3302 - 0.0112	.3702	----	----	----	27	27 UNCH
TOTAL													3	58 + 3
APR19														
200	----	----	----	----	----	----	----	0.0223 - 0.0017	.0662	----	----	----	1	4 +
230	----	----	----	----	----	----	----	0.0700 - 0.0042	.1713	----	----	----	4	4 UNCH
TOTAL													1	8 + 1
MAY19														
200	----	----	----	----	----	----	----	0.0261 - 0.0019	.0764	----	----	----	2	6 +
230	----	----	----	----	----	----	----	0.0794 - 0.0042	.1908	----	----	----	4	4 UNCH
TOTAL													2	10 + 2
JUN19														
200	----	----	----	----	----	----	----	0.0253 - 0.0018	.0735	----	----	----	2	6 +
230	----	----	----	----	----	----	----	0.0767 - 0.0041	.1838	----	----	----	4	4 UNCH
TOTAL													2	10 + 2
JUL19														
200	----	----	----	----	----	----	----	0.0242 - 0.0016	.0699	----	----	----	3	10 +
230	----	----	----	----	----	----	----	0.0736 - 0.0037	.1758	----	----	----	4	4 UNCH
250	----	----	----	----	----	----	----	0.1312 - 0.0056	.2755	----	----	----	31	31 UNCH
260	----	----	----	----	----	----	----	0.1688 - 0.0066	.3317	----	----	----	31	31 UNCH
TOTAL													3	76 + 3
AUG19														
200	----	----	----	----	----	----	----	0.0256 - 0.0017	.0723	----	----	----	3	8 +
230	----	----	----	----	----	----	----	0.0762 - 0.0037	.1784	----	----	----	4	4 UNCH
250	----	----	----	----	----	----	----	0.1343 - 0.0057	.2771	----	----	----	31	31 UNCH
260	----	----	----	----	----	----	----	0.1722 - 0.0066	.3327	----	----	----	31	31 UNCH
TOTAL													3	74 + 3
SEP19														
200	----	----	----	----	----	----	----	0.0287 - 0.0017	.0786	----	----	----	2	6 +
230	----	----	----	----	----	----	----	0.0824 - 0.0038	.1875	----	----	----	3	3 UNCH
250	----	----	----	----	----	----	----	0.1431 - 0.0056	.2870	----	----	----	30	30 UNCH
260	----	----	----	----	----	----	----	0.1821 - 0.0067	.3424	----	----	----	30	30 UNCH
TOTAL													2	69 + 2
OCT19														
200	----	----	----	----	----	----	----	0.0293 - 0.0017	.0779	----	----	----	2	3 +
230	----	----	----	----	----	----	----	0.0826 - 0.0037	.1831	----	----	----	3	3 UNCH
260	----	----	----	----	----	----	----	0.1803 - 0.0065	.3323	----	----	----	31	31 UNCH
TOTAL													2	37 + 2
NOV19														
200	----	----	----	----	----	----	----	0.0265 - NEW	----	----	----	----	3	3 +
230	----	----	----	----	----	----	----	0.0763 - 0.0032	.1666	----	----	----	3	3 UNCH
260	----	----	----	----	----	----	----	0.1687 - 0.0055	.3062	----	----	----	30	30 UNCH
TOTAL													3	36 + 3
DEC19														
230	----	----	----	----	----	----	----	0.0596 - 0.0023	.1278	----	----	----	----	3
260	----	----	----	----	----	----	----	0.1353 - 0.0041	.2441	----	----	----	----	31 UNCH
TOTAL													----	34 UNCH
JAN20														
230	----	----	----	----	----	----	----	0.0643 - 0.0023	.1207	----	----	----	----	3
TOTAL													----	3 UNCH
FEB20														
230	----	----	----	----	----	----	----	0.0836 - 0.0027	.1396	----	----	----	----	3
TOTAL													----	3 UNCH
MAR20														
230	----	----	----	----	----	----	----	0.1088 - 0.0031	.1632	----	----	----	----	3
TOTAL													----	3 UNCH
APR20														
230	----	----	----	----	----	----	----	0.0980 - 0.0027	.2102	----	----	----	----	3
TOTAL													----	3 UNCH
MAY20														
230	----	----	----	----	----	----	----	0.0963 - 0.0027	.2151	----	----	----	----	3
TOTAL													----	3 UNCH
JUN20														
230	----	----	----	----	----	----	----	0.0912 - 0.0025	.2048	----	----	----	----	3
TOTAL													----	3 UNCH
JUL20														
230	----	----	----	----	----	----	----	0.0858 - 0.0022	.1938	----	----	----	----	3
TOTAL													----	3 UNCH
AUG20														
230	----	----	----	----	----	----	----	0.0838 - 0.0021	.1888	----	----	----	----	3
TOTAL													----	3 UNCH
SEP20														
230	----	----	----	----	----	----	----	0.0853 - 0.0022	.1903	----	----	----	----	2
TOTAL													----	2 UNCH
OCT20														
230	----	----	----	----	----	----	----	0.0842 - 0.0019	.1842	----	----	----	----	2
TOTAL													----	2 UNCH
NOV20														
230	----	----	----	----	----	----	----	0.0780 - 0.0015	.1662	----	----	----	----	2
TOTAL													----	2 UNCH
DEC20														
230	----	----	----	----	----	----	----	0.0644 - 0.0007	.1314	----	----	----	----	2
TOTAL													----	2 UNCH
JAN21														
230	----	----	----	----	----	----	----	0.0710 - 0.0007	.1257	----	----	----	----	2
TOTAL													----	2 UNCH
FEB21														
230	----	----	----	----	----	----	----	0.0902 - 0.0010	.1434	----	----	----	----	2
TOTAL													----	2 UNCH
MAR21														
230	----	----	----	----	----	----	----	0.1164 - 0.0012	.1667	----	----	----	----	2
TOTAL													----	2 UNCH
APR21														
230	----	----	----	----	----	----	----	0.1174 - 0.0013	.2240	----	----	----	----	2
TOTAL													----	2 UNCH



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PG63 BULLETIN #222@

ENERGY OPTIONS

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include E7 PUT HENRY HUB FINANCIAL LAST DAY 0, FA PUT HO 1 MONTH CALENDAR OPTIONS, WJO OPT LLS ARGUS V.WTI CRUDE OIL AVG PRICE, and 4J CALL MT BELVIEU ETHANE 5-DCML (OPIS).



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





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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include 4H PUT FEB18, MAR18, APR18, MAY18, JUN18, JUL18, AUG18, SEP18, OCT18, NOV18, DEC18, DEC19, DEC20, G4 CALL FEB18, MAR18, G2 CALL JAN18, G2 PUT JAN18, G3 CALL OCT18, G3 PUT OCT18.



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 Customer Service: (312) 930-1000

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	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST	
G6 CALL NATURAL GAS 6 M CSO FIN													
APR18	----	----	----	----	----	0.045 - 0.005	.3714	----	----	----	----	3950	UNCH
0	----	----	----	----	----							3950	
TOTAL													
G6 PUT NATURAL GAS 6 M CSO FIN													
APR18	----	----	----	----	----	0.021 + 0.001	.2078	----	----	----	----	2800	UNCH
- 200	----	----	----	----	----	0.033 + 0.001	.2963	----	----	----	----	2350	UNCH
- 150	----	----	----	----	----	0.051 + 0.002	.4030	----	----	----	----	6450	UNCH
- 100	----	----	----	----	----							11600	
TOTAL													
G6J CALL NATURAL GAS OPTION ON CALENDAR STRP													
JAN18	----	----	----	----	----	0.1023 - 0.0003	.5872	----	----	----	----	200	UNCH
3000	----	----	----	----	----	0.0597 - 0.0006	.4003	----	----	----	----	500	UNCH
3100	----	----	----	----	----	0.0333 - 0.0006	.2511	----	----	----	----	120	UNCH
3200	----	----	----	----	----	0.0246 - 0.0006	.1944	----	----	----	----	3260	UNCH
3250	----	----	----	----	----	0.0180 - 0.0006	.1484	----	----	----	----	1000	UNCH
3300	----	----	----	----	----	0.0123 - 0.0004	.1078	----	----	----	----	400	UNCH
3350	----	----	----	----	----	0.0034 - 0.0002	.0350	----	----	----	----	1400	UNCH
3500	----	----	----	----	----	0.0003 UNCH	.0036	----	----	----	----	200	UNCH
3750	----	----	----	----	----	0.0001 UNCH	.0011	----	----	----	----	260	UNCH
4000	----	----	----	----	----	0.0001 UNCH	.0001	----	----	----	----	80	UNCH
4250	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	500	UNCH
5000	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	900	UNCH
6000	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	8820	
TOTAL													
JAN19	----	----	----	----	----	0.1851 + 0.0078	.4842	----	----	----	----	260	UNCH
3000	----	----	----	----	----	0.1036 + 0.0051	.3202	----	----	----	----	300	UNCH
3250	----	----	----	----	----	0.0545 + 0.0030	.1947	----	----	----	----	24	UNCH
3500	----	----	----	----	----	0.0129 + 0.0009	.0583	----	----	----	----	114	UNCH
4000	----	----	----	----	----							698	
TOTAL													
JAN21	----	----	----	----	----	0.0997 + 0.0021	.2577	----	----	----	----	256	UNCH
3500	----	----	----	----	----	0.0266 + 0.0008	.0940	----	----	----	----	256	UNCH
4000	----	----	----	----	----							512	
TOTAL													
G6J PUT NATURAL GAS OPTION ON CALENDAR STRP													
JAN18	----	----	----	----	----	0.0064 - 0.0005	.0654	----	----	----	----	1320	UNCH
2750	----	----	----	----	----	0.0647 - 0.0017	.4127	----	----	----	----	320	UNCH
3000	----	----	----	----	----							1640	
TOTAL													
ZR CALL NORTHERN ROCKIES PIPE OPTION													
DEC17	----	----	----	----	----	0.0024 - 0.0024	.0217	----	----	----	----	186	UNCH
3400	----	----	----	----	----	0.0010 - 0.0017	.0095	----	----	----	----	62	UNCH
3500	----	----	----	----	----	0.0001 - 0.0003	.0010	----	----	----	----	713	UNCH
3750	----	----	----	----	----	0.0001 UNCH	.0002	----	----	----	----	341	UNCH
3900	----	----	----	----	----	0.0001 UNCH	.0000	----	----	----	----	310	UNCH
4000	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	124	UNCH
4250	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	31	UNCH
4500	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	1767	
TOTAL													
JAN18	----	----	----	----	----	0.0505 - 0.0098	.1955	----	----	----	----	186	UNCH
3400	----	----	----	----	----	0.0389 - 0.0080	.1561	----	----	----	----	62	UNCH
3500	----	----	----	----	----	0.0203 - 0.0050	.0876	----	----	----	----	713	UNCH
3750	----	----	----	----	----	0.0139 - 0.0037	.0620	----	----	----	----	341	UNCH
3900	----	----	----	----	----	0.0109 - 0.0028	.0494	----	----	----	----	310	UNCH
4000	----	----	----	----	----	0.0060 - 0.0016	.0282	----	----	----	----	124	UNCH
4250	----	----	----	----	----	0.0034 - 0.0009	.0164	----	----	----	----	31	UNCH
4500	----	----	----	----	----							1767	
TOTAL													
FEB18	----	----	----	----	----	0.0979 - 0.0125	.2644	----	----	----	----	168	UNCH
3400	----	----	----	----	----	0.0837 - 0.0112	.2311	----	----	----	----	56	UNCH
3500	----	----	----	----	----	0.0577 - 0.0080	.1661	----	----	----	----	644	UNCH
3750	----	----	----	----	----	0.0461 - 0.0070	.1359	----	----	----	----	308	UNCH
3900	----	----	----	----	----	0.0400 - 0.0063	.1195	----	----	----	----	280	UNCH
4000	----	----	----	----	----	0.0284 - 0.0050	.0871	----	----	----	----	112	UNCH
4250	----	----	----	----	----	0.0205 - 0.0039	.0642	----	----	----	----	28	UNCH
4500	----	----	----	----	----							1596	
TOTAL													
DEC18	----	----	----	----	----	0.1318 + 0.0001	.3028	----	----	----	----	372	UNCH
3500	----	----	----	----	----	0.1125 - 0.0001	.2676	----	----	----	----	62	UNCH
3600	----	----	----	----	----							434	
TOTAL													
JAN19	----	----	----	----	----	0.1916 - 0.0017	.3580	----	----	----	----	372	UNCH
3500	----	----	----	----	----	0.1734 - 0.0021	.3291	----	----	----	----	62	UNCH
3600	----	----	----	----	----							434	
TOTAL													
FEB19	----	----	----	----	----	0.2146 + 0.0019	.3703	----	----	----	----	336	UNCH
3500	----	----	----	----	----	0.1960 + 0.0017	.3433	----	----	----	----	56	UNCH
3600	----	----	----	----	----							392	
TOTAL													
DEC19	----	----	----	----	----	0.1228 + 0.0030	.2998	----	----	----	----	124	UNCH
3300	----	----	----	----	----							124	
TOTAL													
JAN20	----	----	----	----	----	0.1775 + 0.0051	.3613	----	----	----	----	124	UNCH
3300	----	----	----	----	----							124	
TOTAL													
FEB20	----	----	----	----	----	0.1934 + 0.0048	.3684	----	----	----	----	116	UNCH
3300	----	----	----	----	----							116	
TOTAL													
9U CALL NYISO ZONE G OPTION													
JAN18	----	----	----	----	----	0.15 - 0.01	.0301	----	----	----	----	3080	UNCH
10000	----	----	----	----	----							3080	
TOTAL													
FEB18	----	----	----	----	----	0.41 - 0.08	.0618	----	----	----	----	2800	UNCH
10000	----	----	----	----	----							2800	
TOTAL													
LC CALL NYMEX CRUDE OIL (EURO) OPTS (PHY)													
DEC17	----	----	----	----	----	25.33 UNCH	1.0000	----	----	----	----	0	UNCH
3000	----	----	----	----	----	7.83 UNCH	1.0000	----	----	----	----	0	UNCH
4750	----	----	----	----	----	6.33 UNCH	1.0000	----	----	----	----	0	UNCH
4900	----	----	----	----	----	5.83 UNCH	1.0000	----	----	----	----	0	UNCH
4950	----	----	----	----	----	4.83 UNCH	1.0000	----	----	----	----	0	UNCH
5050	----	----	----	----	----							0	UNCH
TOTAL													



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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include Nymex Crude Oil (Euro) Opts (Phy) for Dec18 and Jan18.

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2017 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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FINAL

PG63 BULLETIN #222@

ENERGY OPTIONS

Thu, Nov 16, 2017 PG63

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Table with columns: LO CALL, NYMEX CRUDE OIL OPTIONS (PHY), GLOBEX OPEN, OPEN RANGE, OUTCRY RANGE, GLOBEX HIGH/LOW, OPEN HIGH/LOW, OUTCRY HIGH/LOW, OPEN CLOSE, OUTCRY CLOSE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include JAN18 and FEB18 contracts.

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Table with columns: LO CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include FEB18 and MAR18 contracts for NYMEX CRUDE OIL OPTIONS (PHY).

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Table with columns: LO CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include MAY18, JUN18, JUL18 contracts for various energy products.

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Table with columns: LO CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include data for JUL18, AUG18, SEP18, OCT18, and NOV18.



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



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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from JUN19 to DEC20 and various contract specifications.

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Table with columns: LO CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include Nymex Crude Oil Options (Phy) for Dec 20, Dec 21, Dec 22, Dec 23, and Jan 18.



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Table with columns: LO, PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include NYMEX CRUDE OIL OPTIONS (PHY) for JAN18 and FEB18.

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Table with columns: LO PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, NYMEX CRUDE OIL OPTIONS (PHY), GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include FEB18 and MAR18 contracts.

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Table with columns: LO, PUT, OPEN, GLOBEX 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 MAR18, APR18, and MAY18 contracts.

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Table with columns: LO, PUT, MAY18, NYMEX CRUDE OIL OPTIONS (PHY), GLOBEX OPEN, OPEN RANGE, GLOBEX HIGH/LOW, OPEN HIGH/LOW, OPEN CLOSE, OUTCRY RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include various contract specifications and their corresponding market data for May 2018 and July 2018.

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ENERGY OPTIONS

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Table with columns: OH CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE, DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include NYMEX HEATING OIL (PHY) OPTIONS for DEC17, JAN18, and FEB18.

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OH	PUT	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX®	PNT	OPEN
OPEN		OPEN	RANGE	HIGH/LOW	HIGH/LOW	CLOSE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
										VOLUME			
NYMEX HEATING OIL (PHY) OPTIONS													
FEB18													
16000	----						0.0070 - 0.0001	.0651	----	----	----	----	109 UNCH
16200	----						0.0086 - 0.0001	.0781	----	----	----	----	10 UNCH
16400	----						0.0105 - 0.0001	.0929	----	----	----	----	1 UNCH
16500	----						0.0114 - 0.0001	.1002	----	----	----	----	73 UNCH
16600	----						0.0124 - 0.0001	.1081	----	----	----	----	1 UNCH
16900	----						0.0157 + 0.0001	.1341	----	----	----	----	17 UNCH
17000	----						0.0169 + 0.0001	.1436	----	----	----	----	3 UNCH
17200	----						0.0196 + 0.0003	.1644	----	----	----	----	2 UNCH
17500	----						0.0247 + 0.0005	.2014	----	----	----	----	551 UNCH
17800	----						0.0311 + 0.0007	.2447	----	----	----	----	1 UNCH
18000	----						0.0361 + 0.0009	.2769	----	----	----	----	5 UNCH
18200	----						0.0417 + 0.0010	.3116	----	----	----	----	1 UNCH
18300	----						0.0448 + 0.0011	.3299	----	----	----	----	7 UNCH
18500	----						0.0726 + 0.0022	.4726	----	----	----	----	4 UNCH
19000	----						0.0882 + 0.0027	.5373	----	----	----	----	1 UNCH
19300	----								----	----	----	----	
TOTAL													1137
MAR18													
12000	----						0.0001 UNCH	.0011	----	----	----	----	200 UNCH
13000	----						0.0005 + 0.0001	.0050	----	----	----	----	126 UNCH
13800	----						0.0014 + 0.0001	.0132	----	----	----	----	1 UNCH
14000	----						0.0018 + 0.0002	.0166	----	----	----	----	2 UNCH
14200	----						0.0022 + 0.0002	.0200	----	----	----	----	2 UNCH
14400	----						0.0028 + 0.0003	.0249	----	----	----	----	1 UNCH
14500	----						0.0031 + 0.0003	.0273	----	----	----	----	32 UNCH
14600	----						0.0034 + 0.0003	.0298	----	----	----	----	1 UNCH
14700	----						0.0038 + 0.0003	.0329	----	----	----	----	3 UNCH
14800	----						0.0042 + 0.0004	.0361	----	----	----	----	3 UNCH
14900	----						0.0046 + 0.0004	.0392	----	----	----	----	1 UNCH
15000	----						0.0050 + 0.0003	.0424	----	----	----	----	356 UNCH
15100	----						0.0055 + 0.0004	.0463	----	----	----	----	1 UNCH
15200	----						0.0061 + 0.0005	.0507	----	----	----	----	4 UNCH
15300	----						0.0066 + 0.0005	.0546	----	----	----	----	4 UNCH
15500	----						0.0078 + 0.0006	.0637	----	----	----	----	10 UNCH
15800	----						0.0100 + 0.0008	.0798	----	----	----	----	1 UNCH
16000	----						0.0118 + 0.0010	.0925	----	----	----	----	202 UNCH
16200	----						0.0138 + 0.0011	.1065	----	----	----	----	11 UNCH
16400	----						0.0162 + 0.0013	.1225	----	----	----	----	251 UNCH
16500	----						0.0176 + 0.0015	.1314	----	----	----	----	600 UNCH
16600	----						0.0190 + 0.0015	.1404	----	----	----	----	1 UNCH
17000	----						0.0256 + 0.0019	.1812	----	----	----	----	300 UNCH
17500	----						0.0364 + 0.0023	.2427	----	----	----	----	98 UNCH
17700	----						0.0416 + 0.0024	.2706	----	----	----	----	199 UNCH
17900	----						0.0473 + 0.0024	.3000	----	----	----	----	21 UNCH
18000	0.0500	0.0500	0.0500/*0.0500	0.0500/*0.0500			0.0504 + 0.0024	.3154	----	----	1	200	426 + 201
18500	----						0.0682 + 0.0023	.3982	----	----	----	----	7 UNCH
18600	----						0.0723 + 0.0024	.4158	----	----	----	----	100 UNCH
19000	----						0.0903 + 0.0024	.4883	----	----	----	200	500 UNCH
19200	----						0.1003 + 0.0024	.5255	----	----	----	----	75 UNCH
19300	----						0.1056 + 0.0024	.5441	----	----	----	----	20 UNCH
19400	----						0.1112 + 0.0025	.5627	----	----	----	----	20 UNCH
TOTAL											1	400	3579 + 201
APR18													
12500	----						0.0008 UNCH	.0068	----	----	----	----	1 UNCH
13000	----						0.0015 UNCH	.0122	----	----	----	----	1 UNCH
13100	----						0.0017 + 0.0001	.0136	----	----	----	----	1 UNCH
13600	----						0.0030 + 0.0001	.0229	----	----	----	----	1 UNCH
13800	----						0.0037 + 0.0001	.0276	----	----	----	----	1 UNCH
14400	----						0.0067 + 0.0002	.0469	----	----	----	----	1 UNCH
14600	----						0.0080 + 0.0001	.0549	----	----	----	----	1 UNCH
14700	----						0.0088 + 0.0002	.0596	----	----	----	----	5 UNCH
15300	----						0.0143 + 0.0003	.0912	----	----	----	----	2 UNCH
15500	----						0.0165 + 0.0003	.1034	----	----	----	----	1 UNCH
16000	----						0.0225 + 0.0004	.1370	----	----	----	----	1 UNCH
16100	----						0.0239 + 0.0005	.1446	----	----	----	----	1 UNCH
16300	----						0.0268 + 0.0005	.1605	----	----	----	----	1 UNCH
16500	----						0.0301 + 0.0006	.1779	----	----	----	----	1 UNCH
17100	----						0.0422 + 0.0009	.2389	----	----	----	----	5 UNCH
17500	----						0.0525 + 0.0012	.2870	----	----	----	----	2 UNCH
17700	----						0.0585 + 0.0014	.3134	----	----	----	----	1 UNCH
19000	----						0.1097 + 0.0026	.5123	----	----	----	----	42 UNCH
TOTAL													69
MAY18													
14600	----						0.0101 + 0.0004	.0655	----	----	----	----	1 UNCH
15000	----						0.0140 + 0.0005	.0868	----	----	----	----	1 UNCH
15500	----						0.0198 + 0.0005	.1176	----	----	----	----	2 UNCH
17500	----						0.0624 + 0.0018	.3108	----	----	----	----	1 UNCH
18200	----						0.0878 + 0.0025	.4053	----	----	----	----	1 UNCH
TOTAL													6
JUN18													
13600	----						0.0071 + 0.0004	.0438	----	----	----	----	1 UNCH
14000	----						0.0097 + 0.0005	.0579	----	----	----	----	50 UNCH
14500	----						0.0138 + 0.0007	.0794	----	----	----	----	1000 UNCH
15000	----						0.0191 + 0.0009	.1058	----	----	----	----	1100 UNCH
15400	----						0.0242 + 0.0011	.1306	----	----	----	----	1 UNCH
16000	----						0.0339 + 0.0014	.1753	----	----	----	----	302 UNCH
16200	----						0.0378 + 0.0015	.1924	----	----	----	----	1 UNCH
16500	----						0.0444 + 0.0018	.2202	----	----	----	----	8 UNCH
16800	----						0.0518 + 0.0020	.2504	----	----	----	----	1 UNCH
17000	----						0.0573 + 0.0022	.2719	----	----	----	300	400 + 300
18700	----						0.1230 + 0.0039	.4883	----	----	----	----	1 UNCH
TOTAL											300		2865 + 300
JUL18													
17300	----						0.0742 + 0.0025	.3166	----	----	----	----	1 UNCH
TOTAL													1
SEP18													
14500	----						0.0282 + 0.0007	.1202	----	----	----	----	150 UNCH
TOTAL													150
DEC18													
17000	----						0.0907 + 0.0022	.3063	----	----	----	----	5 UNCH
17500	----						0.1079 + 0.0027	.3525	----	----	----	----	100 UNCH
18600	----						0.1548 + 0.0037	.4641	----	----	----	----	50 UNCH
TOTAL													155
CH CALL NYMEX HEATING OIL CRACK SPRD OPT													
DEC17													
1550	----						9.25 - 0.09	1					



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Table with columns: LN CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include NYMEX NATURAL GAS (EURO) OPTS and various contract months from DEC17 to 15250.

TOTAL JAN18 2550 0.6500B/0.6100 0.6500B/0.6100 0.6110 - 0.0262 .9534 1 1185 3985 275849 + 2259 UNCH

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Table with columns: LN, CALL, NYMEX NATURAL GAS (EURO) OPTS, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE, DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include contract months from JAN18 to FEB18.

TOTAL FEB18 summary row with values for GLOBEX VOLUME (2471), PNT VOLUME (600), OPEN INTEREST (302992 +), and UNCH (307).

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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 APR18, MAY18, JUN18 with various contract specifications and market data.

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

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PG63 BULLETIN #222@

ENERGY OPTIONS

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Table with columns: LN, CALL, OPEN, GLOBEX OPEN, OPEN RANGE, OUTCRY, GLOBEX HIGH/LOW, OPEN HIGH/LOW, OUTCRY HIGH/LOW, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months JUN18, JUL18, AUG18, SEP18 and various contract specifications.





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Table with columns: LN CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include SEP18, OCT18, NOV18.



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Table with columns: LN CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months like DEC18, JAN19, FEB19, MAR19 and various contract numbers.



FINAL

PG63 BULLETIN #222@

ENERGY OPTIONS

Thu, Nov 16, 2017 PG63

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LN	CALL	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX	PNT	OPEN
		OPEN	RANGE	HIGH/LOW	HIGH/LOW	RANGE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
										VOLUME			
NYMEX NATURAL GAS (EURO) OPTS													
MAR19													
3450	----	----	----	----	----	----	0.3327 + 0.0043	.4728	----	----	----	----	60 UNCH
3500	----	----	----	----	----	----	0.3189 + 0.0039	.4576	----	----	----	----	3869 UNCH
3700	----	----	----	----	----	----	0.2711 + 0.0029	.4019	----	----	----	----	100 UNCH
3750	----	----	----	----	----	----	0.2607 + 0.0027	.3891	----	----	----	----	1202 UNCH
4000	----	----	----	----	----	----	0.2168 + 0.0018	.3328	----	----	----	----	1810 UNCH
4150	----	----	----	----	----	----	0.1961 + 0.0014	.3045	----	----	----	----	100 UNCH
4250	----	----	----	----	----	----	0.1838 + 0.0013	.2874	----	----	----	----	229 UNCH
4500	----	----	----	----	----	----	0.1560 + 0.0009	.2486	----	----	----	----	3125 UNCH
4650	----	----	----	----	----	----	0.1415 + 0.0008	.2280	----	----	----	----	55 UNCH
4750	----	----	----	----	----	----	0.1328 + 0.0007	.2155	----	----	----	----	150 UNCH
5000	----	----	----	----	----	----	0.1135 + 0.0005	.1874	----	----	----	----	1630 UNCH
5150	----	----	----	----	----	----	0.1034 + 0.0004	.1725	----	----	----	----	50 UNCH
5250	----	----	----	----	----	----	0.0972 + 0.0004	.1632	----	----	----	----	100 UNCH
5500	----	----	----	----	----	----	0.0829 + 0.0003	.1418	----	----	----	----	25 UNCH
6000	----	----	----	----	----	----	0.0604 + 0.0001	.1072	----	----	----	----	519 UNCH
6500	----	----	----	----	----	----	0.0436 UNCH	.0804	----	----	----	----	50 UNCH
7000	----	----	----	----	----	----	0.0307 - 0.0001	.0591	----	----	----	----	210 UNCH
7500	----	----	----	----	----	----	0.0217 - 0.0001	.0435	----	----	----	----	10 UNCH
9000	----	----	----	----	----	----	0.0078 - 0.0001	.0173	----	----	----	----	400 UNCH
TOTAL													17496
APR19													
2600	----	----	----	----	----	----	0.3673 + 0.0111	.6715	----	----	----	----	25 UNCH
2750	----	----	----	----	----	----	0.2879 + 0.0093	.5816	----	----	----	----	1300 UNCH
2800	----	----	----	----	----	----	0.2645 + 0.0087	.5512	----	----	----	----	425 UNCH
2850	----	----	----	----	----	----	0.2426 + 0.0081	.5210	----	----	----	----	40 UNCH
2890	----	----	----	----	----	----	0.2261 + 0.0077	.4973	----	----	----	----	20 UNCH
2900	----	----	----	----	----	----	0.2221 + 0.0076	.4914	----	----	----	----	35 UNCH
2950	----	----	----	----	----	----	0.2030 + 0.0070	.4623	----	----	----	----	125 UNCH
2980	----	----	----	----	----	----	0.1922 + 0.0067	.4452	----	----	----	----	19 UNCH
3000	----	----	----	----	----	----	0.1853 + 0.0065	.4339	----	----	----	----	7477 UNCH
3010	----	----	----	----	----	----	0.1819 + 0.0064	.4284	----	----	----	----	2 UNCH
3050	----	----	----	----	----	----	0.1689 + 0.0061	.4064	----	----	----	----	2 UNCH
3070	----	----	----	----	----	----	0.1626 + 0.0058	.3956	----	----	----	----	20 UNCH
3100	----	----	----	----	----	----	0.1536 + 0.0055	.3797	----	----	----	----	155 UNCH
3150	----	----	----	----	----	----	0.1396 + 0.0051	.3541	----	----	----	----	6 UNCH
3200	----	----	----	----	----	----	0.1267 + 0.0047	.3296	----	----	----	----	1500 UNCH
3250	----	----	----	----	----	----	0.1148 + 0.0043	.3061	----	----	----	----	662 UNCH
3300	----	----	----	----	----	----	0.1039 + 0.0039	.2837	----	----	----	----	200 UNCH
3400	----	----	----	----	----	----	0.0848 + 0.0032	.2424	----	----	----	----	100 UNCH
3450	----	----	----	----	----	----	0.0766 + 0.0030	.2237	----	----	----	----	30 UNCH
3500	----	----	----	----	----	----	0.0690 + 0.0026	.2059	----	----	----	----	7948 UNCH
3750	----	----	----	----	----	----	0.0409 + 0.0016	.1341	----	----	----	----	1075 UNCH
4000	----	----	----	----	----	----	0.0243 + 0.0009	.0859	----	----	----	----	1250 UNCH
4250	----	----	----	----	----	----	0.0145 + 0.0005	.0546	----	----	----	----	229 UNCH
4500	----	----	----	----	----	----	0.0086 + 0.0003	.0343	----	----	----	----	125 UNCH
4650	----	----	----	----	----	----	0.0063 + 0.0002	.0259	----	----	----	----	55 UNCH
4750	----	----	----	----	----	----	0.0051 + 0.0001	.0214	----	----	----	----	125 UNCH
5000	----	----	----	----	----	----	0.0031 + 0.0001	.0135	----	----	----	----	730 UNCH
5150	----	----	----	----	----	----	0.0023 + 0.0001	.0102	----	----	----	----	50 UNCH
5250	----	----	----	----	----	----	0.0018 UNCH	.0082	----	----	----	----	100 UNCH
5500	----	----	----	----	----	----	0.0011 UNCH	.0052	----	----	----	----	25 UNCH
6000	----	----	----	----	----	----	0.0004 UNCH	.0020	----	----	----	----	517 UNCH
6500	----	----	----	----	----	----	0.0002 UNCH	.0010	----	----	----	----	50 UNCH
7000	----	----	----	----	----	----	0.0001 UNCH	.0005	----	----	----	----	10 UNCH
7500	----	----	----	----	----	----	0.0001 UNCH	.0002	----	----	----	----	10 UNCH
9000	----	----	----	----	----	----	0.0001 UNCH	.0000	----	----	----	----	400 UNCH
TOTAL													24842
MAY19													
2600	----	----	----	----	----	----	0.3373 + 0.0100	.6445	----	----	----	----	25 UNCH
2750	----	----	----	----	----	----	0.2624 + 0.0084	.5527	----	----	----	----	300 UNCH
2800	----	----	----	----	----	----	0.2404 + 0.0078	.5222	----	----	----	----	50 UNCH
2850	----	----	----	----	----	----	0.2200 + 0.0073	.4922	----	----	----	----	40 UNCH
2890	----	----	----	----	----	----	0.2046 + 0.0068	.4687	----	----	----	----	20 UNCH
2900	----	----	----	----	----	----	0.2009 + 0.0067	.4628	----	----	----	----	35 UNCH
2950	----	----	----	----	----	----	0.1832 + 0.0062	.4342	----	----	----	----	125 UNCH
2980	----	----	----	----	----	----	0.1732 + 0.0060	.4174	----	----	----	----	19 UNCH
3000	----	----	----	----	----	----	0.1668 + 0.0058	.4063	----	----	----	----	955 UNCH
3010	----	----	----	----	----	----	0.1637 + 0.0057	.4009	----	----	----	----	2 UNCH
3050	----	----	----	----	----	----	0.1517 + 0.0054	.3795	----	----	----	----	2 UNCH
3070	----	----	----	----	----	----	0.1459 + 0.0051	.3690	----	----	----	----	20 UNCH
3100	----	----	----	----	----	----	0.1377 + 0.0049	.3536	----	----	----	----	155 UNCH
3150	----	----	----	----	----	----	0.1248 + 0.0045	.3288	----	----	----	----	6 UNCH
3250	----	----	----	----	----	----	0.1022 + 0.0038	.2826	----	----	----	----	708 UNCH
3300	----	----	----	----	----	----	0.0923 + 0.0034	.2613	----	----	----	----	200 UNCH
3450	----	----	----	----	----	----	0.0676 + 0.0025	.2044	----	----	----	----	30 UNCH
3500	----	----	----	----	----	----	0.0609 + 0.0023	.1879	----	----	----	----	1104 UNCH
3750	----	----	----	----	----	----	0.0358 + 0.0013	.1211	----	----	----	----	1075 UNCH
4000	----	----	----	----	----	----	0.0213 + 0.0007	.0774	----	----	----	----	1250 UNCH
4250	----	----	----	----	----	----	0.0127 + 0.0004	.0490	----	----	----	----	229 UNCH
4500	----	----	----	----	----	----	0.0075 + 0.0002	.0306	----	----	----	----	125 UNCH
4650	----	----	----	----	----	----	0.0055 + 0.0002	.0231	----	----	----	----	55 UNCH
4750	----	----	----	----	----	----	0.0045 + 0.0002	.0192	----	----	----	----	125 UNCH
5000	----	----	----	----	----	----	0.0027 + 0.0001	.0120	----	----	----	----	730 UNCH
5150	----	----	----	----	----	----	0.0020 + 0.0001	.0091	----	----	----	----	50 UNCH
5250	----	----	----	----	----	----	0.0016 + 0.0001	.0074	----	----	----	----	100 UNCH
5500	----	----	----	----	----	----	0.0010 + 0.0001	.0047	----	----	----	----	25 UNCH
6000	----	----	----	----	----	----	0.0004 UNCH	.0020	----	----	----	----	516 UNCH
6500	----	----	----	----	----	----	0.0001 UNCH	.0005	----	----	----	----	50 UNCH
7000	----	----	----	----	----	----	0.0001 UNCH	.0001	----	----	----	----	10 UNCH
7500	----	----	----	----	----	----	0.0001 UNCH	.0000	----	----	----	----	10 UNCH
9000	----	----	----	----	----	----	0.0001 UNCH	----	----	----	----	----	400 UNCH
TOTAL													8546
JUN19													
2600	----	----	----	----	----	----	0.3508 + 0.0103	.6555	----	----	----	----	25 UNCH
2750	----	----	----	----	----	----	0.2743 + 0.0086	.5650	----	----	----	----	300 UNCH
2800	----	----	----	----	----	----	0.2518 + 0.0080	.5347	----	----	----	----	50 UNCH
2850	----</												



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2017 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin  
 CME Group, Inc.  
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 Customer Service: (312) 930-1000

FINAL

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LN	CALL	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX	PNT	OPEN
		OPEN	RANGE	HIGH/LOW	HIGH/LOW	CLOSE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
										VOLUME			
NYMEX NATURAL GAS (EURO) OPTS													
OCT19													
3150	----	----	----	----	----	----	0.1581 + 0.0051	.3708	----	----	----	----	6 UNCH
3250	----	----	----	----	----	----	0.1325 + 0.0045	.3253	----	----	----	----	704 UNCH
3300	----	----	----	----	----	----	0.1211 + 0.0041	.3039	----	----	----	----	200 UNCH
3500	----	----	----	----	----	----	0.0837 + 0.0029	.2282	----	----	----	----	1125 UNCH
3750	----	----	----	----	----	----	0.0523 + 0.0019	.1558	----	----	----	----	1075 UNCH
4000	----	----	----	----	----	----	0.0326 + 0.0012	.1047	----	----	----	----	1250 UNCH
4250	----	----	----	----	----	----	0.0207 + 0.0007	.0704	----	----	----	----	229 UNCH
4500	----	----	----	----	----	----	0.0131 + 0.0005	.0470	----	----	----	----	125 UNCH
4650	----	----	----	----	----	----	0.0099 + 0.0003	.0366	----	----	----	----	55 UNCH
4750	----	----	----	----	----	----	0.0083 + 0.0003	.0312	----	----	----	----	125 UNCH
5000	----	----	----	----	----	----	0.0053 + 0.0002	.0207	----	----	----	----	730 UNCH
5150	----	----	----	----	----	----	0.0040 + 0.0001	.0160	----	----	----	----	50 UNCH
5250	----	----	----	----	----	----	0.0033 + 0.0001	.0135	----	----	----	----	100 UNCH
5500	----	----	----	----	----	----	0.0021 UNCH	.0089	----	----	----	----	25 UNCH
6000	----	----	----	----	----	----	0.0009 UNCH	.0040	----	----	----	----	510 UNCH
6500	----	----	----	----	----	----	0.0004 UNCH	.0018	----	----	----	----	50 UNCH
7000	----	----	----	----	----	----	0.0002 UNCH	.0009	----	----	----	----	10 UNCH
7500	----	----	----	----	----	----	0.0001 UNCH	.0005	----	----	----	----	10 UNCH
9000	----	----	----	----	----	----	0.0001 UNCH	.0000	----	----	----	----	400 UNCH
TOTAL													8552
NOV19													
2800	----	----	----	----	----	----	0.3218 + 0.0075	.5872	----	----	----	----	50 UNCH
2850	----	----	----	----	----	----	0.2988 + 0.0072	.5599	----	----	----	----	65 UNCH
2890	----	----	----	----	----	----	0.2813 + 0.0068	.5383	----	----	----	----	20 UNCH
2900	----	----	----	----	----	----	0.2771 + 0.0068	.5330	----	----	----	----	35 UNCH
2950	----	----	----	----	----	----	0.2565 + 0.0063	.5064	----	----	----	----	125 UNCH
2980	----	----	----	----	----	----	0.2448 + 0.0061	.4907	----	----	----	----	19 UNCH
3000	----	----	----	----	----	----	0.2372 + 0.0059	.4803	----	----	----	----	760 UNCH
3010	----	----	----	----	----	----	0.2335 + 0.0059	.4752	----	----	----	----	2 UNCH
3050	----	----	----	----	----	----	0.2191 + 0.0055	.4548	----	----	----	----	2 UNCH
3070	----	----	----	----	----	----	0.2122 + 0.0054	.4447	----	----	----	----	20 UNCH
3100	----	----	----	----	----	----	0.2022 + 0.0052	.4299	----	----	----	----	15 UNCH
3150	----	----	----	----	----	----	0.1863 + 0.0049	.4056	----	----	----	----	6 UNCH
3250	----	----	----	----	----	----	0.1578 + 0.0043	.3596	----	----	----	----	559 UNCH
3300	----	----	----	----	----	----	0.1449 + 0.0039	.3377	----	----	----	----	200 UNCH
3500	----	----	----	----	----	----	0.1022 + 0.0029	.2589	----	----	----	----	1025 UNCH
3750	----	----	----	----	----	----	0.0653 + 0.0019	.1812	----	----	----	----	1100 UNCH
4000	----	----	----	----	----	----	0.0414 + 0.0012	.1242	----	----	----	----	840 UNCH
4250	----	----	----	----	----	----	0.0274 + 0.0007	.0867	----	----	----	----	229 UNCH
4500	----	----	----	----	----	----	0.0188 + 0.0005	.0617	----	----	----	----	125 UNCH
4650	----	----	----	----	----	----	0.0150 + 0.0004	.0503	----	----	----	----	55 UNCH
4750	----	----	----	----	----	----	0.0130 + 0.0004	.0441	----	----	----	----	125 UNCH
5000	----	----	----	----	----	----	0.0091 + 0.0002	.0317	----	----	----	----	130 UNCH
5150	----	----	----	----	----	----	0.0074 + 0.0002	.0262	----	----	----	----	50 UNCH
5250	----	----	----	----	----	----	0.0064 + 0.0001	.0229	----	----	----	----	100 UNCH
5500	----	----	----	----	----	----	0.0047 + 0.0001	.0171	----	----	----	----	25 UNCH
6000	----	----	----	----	----	----	0.0026 + 0.0001	.0097	----	----	----	----	459 UNCH
6500	----	----	----	----	----	----	0.0015 UNCH	.0057	----	----	----	----	50 UNCH
7000	----	----	----	----	----	----	0.0009 UNCH	.0035	----	----	----	----	10 UNCH
7500	----	----	----	----	----	----	0.0006 UNCH	.0023	----	----	----	----	10 UNCH
9000	----	----	----	----	----	----	0.0002 UNCH	.0008	----	----	----	----	400 UNCH
TOTAL													6611
DEC19													
2800	----	----	----	----	----	----	0.4234 + 0.0081	.6623	----	----	----	----	50 UNCH
2850	----	----	----	----	----	----	0.3968 + 0.0077	.6377	----	----	----	----	65 UNCH
2890	----	----	----	----	----	----	0.3765 + 0.0075	.6180	----	----	----	----	20 UNCH
2900	----	----	----	----	----	----	0.3715 + 0.0074	.6128	----	----	----	----	35 UNCH
2950	----	----	----	----	----	----	0.3473 + 0.0070	.5878	----	----	----	----	125 UNCH
2980	----	----	----	----	----	----	0.3334 + 0.0068	.5726	----	----	----	----	19 UNCH
3000	----	----	----	----	----	----	0.3244 + 0.0066	.5626	----	----	----	----	987 UNCH
3010	----	----	----	----	----	----	0.3199 + 0.0065	.5575	----	----	----	----	2 UNCH
3050	----	----	----	----	----	----	0.3027 + 0.0064	.5377	----	----	----	----	2 UNCH
3070	----	----	----	----	----	----	0.2943 + 0.0062	.5278	----	----	----	----	20 UNCH
3100	----	----	----	----	----	----	0.2821 + 0.0060	.5132	----	----	----	----	15 UNCH
3150	----	----	----	----	----	----	0.2626 + 0.0057	.4890	----	----	----	----	6 UNCH
3250	----	----	----	----	----	----	0.2269 + 0.0051	.4421	----	----	----	----	559 UNCH
3300	----	----	----	----	----	----	0.2105 + 0.0047	.4194	----	----	----	----	200 UNCH
3500	----	----	----	----	----	----	0.1548 + 0.0036	.3354	----	----	----	----	1075 UNCH
3750	----	----	----	----	----	----	0.1038 + 0.0026	.2471	----	----	----	----	1100 UNCH
4000	----	----	----	----	----	----	0.0688 + 0.0017	.1778	----	----	----	----	1140 UNCH
4250	----	----	----	----	----	----	0.0453 + 0.0011	.1259	----	----	----	----	229 UNCH
4500	----	----	----	----	----	----	0.0309 + 0.0006	.0903	----	----	----	----	125 UNCH
4650	----	----	----	----	----	----	0.0251 + 0.0004	.0749	----	----	----	----	55 UNCH
4750	----	----	----	----	----	----	0.0219 + 0.0004	.0663	----	----	----	----	125 UNCH
5000	----	----	----	----	----	----	0.0156 + 0.0003	.0487	----	----	----	----	130 UNCH
5150	----	----	----	----	----	----	0.0127 + 0.0002	.0404	----	----	----	----	50 UNCH
5250	----	----	----	----	----	----	0.0112 + 0.0002	.0359	----	----	----	----	100 UNCH
5500	----	----	----	----	----	----	0.0082 + 0.0002	.0269	----	----	----	----	25 UNCH
6000	----	----	----	----	----	----	0.0045 UNCH	.0153	----	----	----	----	458 UNCH
6500	----	----	----	----	----	----	0.0027 + 0.0001	.0094	----	----	----	----	50 UNCH
7000	----	----	----	----	----	----	0.0016 UNCH	.0057	----	----	----	----	10 UNCH
7500	----	----	----	----	----	----	0.0010 UNCH	.0036	----	----	----	----	10 UNCH
9000	----	----	----	----	----	----	0.0003 UNCH	.0011	----	----	----	----	400 UNCH
TOTAL													7187
JAN20													
2810	----	----	----	----	----	----	0.5167 + 0.0105	.6980	----	----	----	----	11 UNCH
2850	----	----	----	----	----	----	0.4946 + 0.0102	.6783	----	----	----	----	110 UNCH
2900	----	----	----	----	----	----	0.4679 + 0.0098	.6568	----	----	----	----	16 UNCH
2910	----	----	----	----	----	----	0.4628 + 0.0099	.6533	----	----	----	----	11 UNCH
2940	----	----	----	----	----	----	0.4474 + 0.0096	.6399	----	----	----	----	12 UNCH
2950	----	----	----	----	----	----	0.4424 + 0.0096	.6355	----	----	----	----	23 UNCH
3000	----	----	----	----	----	----	0.4178 + 0.0091	.6133	----	----	----	----	338 UNCH
3150	----	----	----	----	----	----	0.3507 + 0.0080	.5476	----	----	----	----	11 UNCH
3250	----	----	----	----	----	----	0.3111 + 0.0073	.5052	----	----	----	----	1160 UNCH
3500	----	----	----	----	----	----	0.2282 + 0.0057	.4062	----	----	----	----	660 UNCH
3750	----	----	----	----	----	----	0.1654 + 0.0043	.3198	----	----	----	----	720 UNCH
4000	----	----	----										



PG63 BULLETIN #222@

ENERGY OPTIONS

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PRICE INDICATOR KEY

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

Table with columns: LN CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include contract months (MAR20, APR20, MAY20, JUN20, JUL20, AUG20, SEP20) and various contract specifications (e.g., 2810, 2850, 2900).



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Table with columns: LN CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months SEP20, OCT20, NOV20, DEC20, JAN21, FEB21, MAR21, APR21 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.



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Table with columns: LN CALL, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months APR21, MAY21, JUN21, JUL21, AUG21, SEP21, OCT21, NOV21, DEC21, JAN22, FEB22.





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ENERGY OPTIONS

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**PRICE INDICATOR KEY**

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

	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & P.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST	
LN CALL													
FEB22													
4700	----	----	----	----	----	0.0724 + 0.0007	.1511	----	----	----	----	30	UNCH
5000	----	----	----	----	----	0.0546 + 0.0005	.1180	----	----	----	----	50	UNCH
6000	----	----	----	----	----	0.0234 + 0.0002	.0548	----	----	----	----	19	UNCH
TOTAL												621	
MAR22													
2850	----	----	----	----	----	0.4956 + 0.0052	.6484	----	----	----	----	50	UNCH
3250	----	----	----	----	----	0.3353 + 0.0039	.4963	----	----	----	----	200	UNCH
3500	----	----	----	----	----	0.2603 + 0.0030	.4129	----	----	----	----	153	UNCH
4000	----	----	----	----	----	0.1561 + 0.0019	.2783	----	----	----	----	80	UNCH
4500	----	----	----	----	----	0.0957 + 0.0010	.1859	----	----	----	----	42	UNCH
4700	----	----	----	----	----	0.0801 + 0.0008	.1594	----	----	----	----	30	UNCH
5000	----	----	----	----	----	0.0620 + 0.0005	.1273	----	----	----	----	50	UNCH
6000	----	----	----	----	----	0.0291 + 0.0003	.0641	----	----	----	----	19	UNCH
TOTAL												624	
APR22													
2850	----	----	----	----	----	0.2650 + 0.0029	.5051	----	----	----	----	50	UNCH
3250	----	----	----	----	----	0.1510 + 0.0017	.3329	----	----	----	----	200	UNCH
3500	----	----	----	----	----	0.1057 + 0.0012	.2509	----	----	----	----	152	UNCH
4000	----	----	----	----	----	0.0536 + 0.0005	.1416	----	----	----	----	80	UNCH
4500	----	----	----	----	----	0.0288 + 0.0003	.0816	----	----	----	----	42	UNCH
4700	----	----	----	----	----	0.0227 + 0.0002	.0659	----	----	----	----	30	UNCH
5000	----	----	----	----	----	0.0161 + 0.0002	.0481	----	----	----	----	50	UNCH
6000	----	----	----	----	----	0.0056 + 0.0001	.0181	----	----	----	----	18	UNCH
TOTAL												622	
MAY22													
2850	----	----	----	----	----	0.2580 + 0.0028	.4959	----	----	----	----	50	UNCH
3250	----	----	----	----	----	0.1469 + 0.0017	.3261	----	----	----	----	200	UNCH
3500	----	----	----	----	----	0.1030 + 0.0012	.2458	----	----	----	----	153	UNCH
4000	----	----	----	----	----	0.0526 + 0.0006	.1392	----	----	----	----	80	UNCH
4500	----	----	----	----	----	0.0282 + 0.0002	.0802	----	----	----	----	42	UNCH
4700	----	----	----	----	----	0.0223 + 0.0002	.0649	----	----	----	----	30	UNCH
5000	----	----	----	----	----	0.0158 + 0.0002	.0474	----	----	----	----	50	UNCH
6000	----	----	----	----	----	0.0055	UNCH	.0178	----	----	----	18	UNCH
TOTAL												623	
JUN22													
2850	----	----	----	----	----	0.2721 + 0.0029	.5092	----	----	----	----	50	UNCH
3250	----	----	----	----	----	0.1572 + 0.0019	.3392	----	----	----	----	200	UNCH
3500	----	----	----	----	----	0.1108 + 0.0013	.2573	----	----	----	----	152	UNCH
4000	----	----	----	----	----	0.0570 + 0.0006	.1472	----	----	----	----	80	UNCH
4500	----	----	----	----	----	0.0309 + 0.0003	.0858	----	----	----	----	42	UNCH
4700	----	----	----	----	----	0.0245 + 0.0002	.0696	----	----	----	----	30	UNCH
5000	----	----	----	----	----	0.0174 + 0.0001	.0510	----	----	----	----	50	UNCH
6000	----	----	----	----	----	0.0062 + 0.0001	.0196	----	----	----	----	18	UNCH
TOTAL												622	
JUL22													
2850	----	----	----	----	----	0.2877 + 0.0031	.5234	----	----	----	----	50	UNCH
3250	----	----	----	----	----	0.1683 + 0.0020	.3528	----	----	----	----	200	UNCH
3500	----	----	----	----	----	0.1195 + 0.0014	.2697	----	----	----	----	153	UNCH
4000	----	----	----	----	----	0.0621 + 0.0007	.1562	----	----	----	----	80	UNCH
4500	----	----	----	----	----	0.0340 + 0.0003	.0919	----	----	----	----	42	UNCH
4700	----	----	----	----	----	0.0271 + 0.0003	.0750	----	----	----	----	30	UNCH
5000	----	----	----	----	----	0.0194 + 0.0002	.0554	----	----	----	----	50	UNCH
6000	----	----	----	----	----	0.0070 + 0.0001	.0216	----	----	----	----	18	UNCH
TOTAL												623	
AUG22													
2850	----	----	----	----	----	0.2997 + 0.0032	.5337	----	----	----	----	50	UNCH
3250	----	----	----	----	----	0.1773 + 0.0021	.3633	----	----	----	----	200	UNCH
3500	----	----	----	----	----	0.1267 + 0.0015	.2795	----	----	----	----	153	UNCH
4000	----	----	----	----	----	0.0663 + 0.0007	.1632	----	----	----	----	80	UNCH
4500	----	----	----	----	----	0.0366 + 0.0004	.0969	----	----	----	----	42	UNCH
4700	----	----	----	----	----	0.0292 + 0.0002	.0792	----	----	----	----	30	UNCH
5000	----	----	----	----	----	0.0211 + 0.0002	.0590	----	----	----	----	50	UNCH
6000	----	----	----	----	----	0.0077 + 0.0001	.0233	----	----	----	----	18	UNCH
TOTAL												623	
SEP22													
2850	----	----	----	----	----	0.3020 + 0.0032	.5343	----	----	----	----	50	UNCH
3250	----	----	----	----	----	0.1797 + 0.0021	.3652	----	----	----	----	200	UNCH
3500	----	----	----	----	----	0.1289 + 0.0015	.2818	----	----	----	----	152	UNCH
4000	----	----	----	----	----	0.0680 + 0.0008	.1657	----	----	----	----	80	UNCH
4500	----	----	----	----	----	0.0377 + 0.0004	.0989	----	----	----	----	42	UNCH
4700	----	----	----	----	----	0.0302 + 0.0003	.0811	----	----	----	----	30	UNCH
5000	----	----	----	----	----	0.0218 + 0.0002	.0604	----	----	----	----	50	UNCH
6000	----	----	----	----	----	0.0081 + 0.0001	.0242	----	----	----	----	17	UNCH
TOTAL												621	
OCT22													
2850	----	----	----	----	----	0.3171 + 0.0033	.5471	----	----	----	----	50	UNCH
3250	----	----	----	----	----	0.1912 + 0.0022	.3781	----	----	----	----	200	UNCH
3500	----	----	----	----	----	0.1380 + 0.0016	.2937	----	----	----	----	153	UNCH
4000	----	----	----	----	----	0.0733 + 0.0007	.1744	----	----	----	----	80	UNCH
4500	----	----	----	----	----	0.0411 + 0.0004	.1052	----	----	----	----	42	UNCH
4700	----	----	----	----	----	0.0330 + 0.0003	.0865	----	----	----	----	30	UNCH
5000	----	----	----	----	----	0.0240 + 0.0002	.0649	----	----	----	----	50	UNCH
6000	----	----	----	----	----	0.0090 + 0.0001	.0263	----	----	----	----	17	UNCH
TOTAL												622	
NOV22													
2850	----	----	----	----	----	0.3566 + 0.0035	.5811	----	----	----	----	50	UNCH
3250	----	----	----	----	----	0.2191 + 0.0024	.4099	----	----	----	----	200	UNCH
3500	----	----	----	----	----	0.1598 + 0.0018	.3222	----	----	----	----	152	UNCH
4000	----	----	----	----	----	0.0856 + 0.0009	.1942	----	----	----	----	80	UNCH
4500	----	----	----	----	----	0.0482 + 0.0004	.1182	----	----	----	----	42	UNCH
4700	----	----	----	----	----	0.0390 + 0.0003	.0979	----	----	----	----	30	UNCH
5000	----	----	----	----	----	0.0288 + 0.0002	.0744	----	----	----	----	50	UNCH
6000	----	----	----	----	----	0.0111 + 0.0001	.0310	----	----	----	----	17	UNCH
TOTAL												621	
DEC22													
2850	----	----	----	----	----	0.4444 + 0.0041	.6496	----	----	----	----	50	UNCH
3250	----	----	----	----	----	0.2846 + 0.0029	.4763	----	----	----	----	200	UNCH
3500	----	----	----	----	----	0.2125 + 0.0023	.3837	----	----	----	----	153	UNCH
4000	----	----	----	----	----	0.1170 + 0.0013	.2402	----	----	----	----	80	UNCH
4500	----	----	----	----	----	0.0671 + 0.0007	.1501	----	----	----	----	42	UNCH
4700	----	----	----	----	----	0.0544 + 0.0005	.1249	----	----				



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ENERGY OPTIONS

Thu, Nov 16, 2017 PG63

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Table with columns: LN, CALL, GLOBEX OPEN, OPEN RANGE, OUTCRY OPEN RANGE, NYMEX NATURAL GAS (EURO) OPTS, GLOBEX HIGH/LOW, OPEN HIGH/LOW, OUTCRY HIGH/LOW, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from FEB23 to FEB24 with various contract specifications and market data.

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	GLOBEX OPEN	OPEN OPEN	OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN HIGH/LOW	OUTCRY HIGH/LOW	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
LN CALL													
FEB24													
5300	----	----	----	----	----	----	0.0597 + 0.0004	.1190	----	----	----	----	60
TOTAL													449 UNCH
MAR24													
3250	----	----	----	----	----	----	0.3586 + 0.0027	.5224	----	----	----	----	300
3500	----	----	----	----	----	----	0.2804 + 0.0022	.4360	----	----	----	----	31
4500	----	----	----	----	----	----	0.1044 + 0.0007	.1984	----	----	----	----	30
4700	----	----	----	----	----	----	0.0881 + 0.0006	.1710	----	----	----	----	30
5300	----	----	----	----	----	----	0.0551 + 0.0003	.1123	----	----	----	----	60
TOTAL													451 UNCH
APR24													
3250	----	----	----	----	----	----	0.2314 + 0.0019	.4059	----	----	----	----	300
3500	----	----	----	----	----	----	0.1757 + 0.0016	.3281	----	----	----	----	30
4500	----	----	----	----	----	----	0.0627 + 0.0005	.1386	----	----	----	----	30
4700	----	----	----	----	----	----	0.0524 + 0.0004	.1182	----	----	----	----	30
5300	----	----	----	----	----	----	0.0327 + 0.0003	.0766	----	----	----	----	60
TOTAL													450 UNCH
MAY24													
3250	----	----	----	----	----	----	0.2266 + 0.0019	.4001	----	----	----	----	300
3500	----	----	----	----	----	----	0.1719 + 0.0015	.3231	----	----	----	----	31
4500	----	----	----	----	----	----	0.0618 + 0.0005	.1370	----	----	----	----	30
4700	----	----	----	----	----	----	0.0517 + 0.0004	.1169	----	----	----	----	30
5300	----	----	----	----	----	----	0.0324 + 0.0002	.0760	----	----	----	----	60
TOTAL													451 UNCH
JUN24													
3250	----	----	----	----	----	----	0.2383 + 0.0020	.4113	----	----	----	----	300
3500	----	----	----	----	----	----	0.1818 + 0.0016	.3339	----	----	----	----	30
4500	----	----	----	----	----	----	0.0661 + 0.0005	.1435	----	----	----	----	30
4700	----	----	----	----	----	----	0.0555 + 0.0005	.1228	----	----	----	----	30
5300	----	----	----	----	----	----	0.0348 + 0.0003	.0801	----	----	----	----	60
TOTAL													450 UNCH
JUL24													
3250	----	----	----	----	----	----	0.2507 + 0.0021	.4230	----	----	----	----	300
3500	----	----	----	----	----	----	0.1922 + 0.0017	.3449	----	----	----	----	31
4500	----	----	----	----	----	----	0.0705 + 0.0005	.1500	----	----	----	----	30
4700	----	----	----	----	----	----	0.0593 + 0.0005	.1286	----	----	----	----	30
5300	----	----	----	----	----	----	0.0372 + 0.0002	.0840	----	----	----	----	60
TOTAL													451 UNCH
AUG24													
3250	----	----	----	----	----	----	0.2616 + 0.0022	.4327	----	----	----	----	300
3500	----	----	----	----	----	----	0.2015 + 0.0018	.3544	----	----	----	----	31
4500	----	----	----	----	----	----	0.0746 + 0.0006	.1559	----	----	----	----	30
4700	----	----	----	----	----	----	0.0629 + 0.0005	.1340	----	----	----	----	30
5300	----	----	----	----	----	----	0.0395 + 0.0003	.0878	----	----	----	----	60
TOTAL													451 UNCH
SEP24													
3250	----	----	----	----	----	----	0.2651 + 0.0022	.4352	----	----	----	----	300
3500	----	----	----	----	----	----	0.2047 + 0.0017	.3571	----	----	----	----	30
4500	----	----	----	----	----	----	0.0764 + 0.0006	.1583	----	----	----	----	30
4700	----	----	----	----	----	----	0.0645 + 0.0005	.1362	----	----	----	----	30
5300	----	----	----	----	----	----	0.0406 + 0.0003	.0895	----	----	----	----	60
TOTAL													450 UNCH
OCT24													
3250	----	----	----	----	----	----	0.2797 + 0.0023	.4481	----	----	----	----	300
3500	----	----	----	----	----	----	0.2171 + 0.0018	.3695	----	----	----	----	31
4500	----	----	----	----	----	----	0.0818 + 0.0006	.1658	----	----	----	----	30
4700	----	----	----	----	----	----	0.0691 + 0.0005	.1429	----	----	----	----	30
5300	----	----	----	----	----	----	0.0436 + 0.0003	.0942	----	----	----	----	60
TOTAL													451 UNCH
NOV24													
3250	----	----	----	----	----	----	0.3128 + 0.0025	.4768	----	----	----	----	300
3500	----	----	----	----	----	----	0.2449 + 0.0020	.3965	----	----	----	----	30
4500	----	----	----	----	----	----	0.0963 + 0.0008	.1849	----	----	----	----	30
4700	----	----	----	----	----	----	0.0824 + 0.0006	.1610	----	----	----	----	30
5300	----	----	----	----	----	----	0.0533 + 0.0004	.1085	----	----	----	----	60
TOTAL													450 UNCH
DEC24													
3250	----	----	----	----	----	----	0.3848 + 0.0029	.5340	----	----	----	----	300
3500	----	----	----	----	----	----	0.3066 + 0.0025	.4512	----	----	----	----	31
4500	----	----	----	----	----	----	0.1242 + 0.0010	.2196	----	----	----	----	30
4700	----	----	----	----	----	----	0.1061 + 0.0008	.1915	----	----	----	----	30
5300	----	----	----	----	----	----	0.0699 + 0.0005	.1315	----	----	----	----	60
TOTAL													451 UNCH
JAN25													
5000	----	----	----	----	----	----	0.1038 + 0.0007	.1804	----	----	----	----	10
TOTAL													10 UNCH
FEB25													
5000	----	----	----	----	----	----	0.1047 + 0.0007	.1807	----	----	----	----	10
TOTAL													10 UNCH
MAR25													
5000	----	----	----	----	----	----	0.0978 + 0.0005	.1722	----	----	----	----	10
TOTAL													10 UNCH
APR25													
5000	----	----	----	----	----	----	0.0633 + 0.0005	.1270	----	----	----	----	10
TOTAL													10 UNCH
MAY25													
5000	----	----	----	----	----	----	0.0627 + 0.0005	.1260	----	----	----	----	10
TOTAL													10 UNCH
JUN25													
5000	----	----	----	----	----	----	0.0669 + 0.0005	.1318	----	----	----	----	10
TOTAL													10 UNCH
JUL25													
5000	----	----	----	----	----	----	0.0710 + 0.0005	.1373	----	----	----	----	10
TOTAL													10 UNCH
AUG25													
5000	----	----	----	----	----	----	0.0759 + 0.0006	.1436	----	----	----	----	10
TOTAL													10 UNCH
SEP25													
5000	----	----	----	----	----	----	0.0777 + 0.0006	.1458	----	----	----	----	10
TOTAL													10 UNCH
OCT25													
5000	----	----	----	----	----	----	0.0830 + 0.0006	.1525	----	----	----	----	10
TOTAL													10 UNCH
NOV25													
5000	----	----	----	----	----	----	0.0935 + 0.0007	.1654	----	----	----	----	10
TOTAL													10 UNCH
DEC25													
5000	----	----	----	----	----	----	0.1162 + 0.0009	.1917	----	----	----	----	10
TOTAL													10 UNCH



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Table with columns: LN CALL, 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 Dec 17 and Jan 18.

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LN	PUT	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST	
NOV18														
2650		----	----	----	----	----	0.1222 - 0.0046	.2416	----	----	----	----	30	UNCH
2750		----	----	----	----	----	0.1571 - 0.0054	.2910	----	----	500	----	1941 + 500	
2800		----	----	----	----	----	0.1766 - 0.0058	.3166	----	----	----	----	203	UNCH
2850		----	----	----	----	----	0.1976 - 0.0061	.3427	----	----	----	----	48	UNCH
2900		----	----	----	----	----	0.2199 - 0.0065	.3692	----	----	----	----	425	UNCH
2950		----	----	----	----	----	0.2437 - 0.0069	.3959	----	----	----	----	113	UNCH
3000		----	----	----	----	----	0.2689 - 0.0072	.4226	----	----	----	----	2243	UNCH
3050		----	----	----	----	----	0.2954 - 0.0076	.4492	----	----	----	----	451	UNCH
3100		----	----	----	----	----	0.3232 - 0.0080	.4756	----	----	----	----	30	UNCH
3250		----	----	----	----	----	0.4145 - 0.0088	.5516	----	----	----	----	375	UNCH
3400		----	----	----	----	----	0.5161 - 0.0095	.6215	----	----	----	----	50	UNCH
3500		----	----	----	----	----	0.5889 - 0.0099	.6642	----	----	----	----	41	UNCH
3750		----	----	----	----	----	0.7853 - 0.0107	.7556	----	----	----	----	80	UNCH
4000		----	----	----	----	----	0.9980 - 0.0111	.8258	----	----	----	----	255	UNCH
4400		----	----	----	----	----	1.3602 - 0.0115	.9016	----	----	----	----	15	UNCH
4450		----	----	----	----	----	1.4068 - 0.0116	.9086	----	----	----	----	50	UNCH
4500		----	----	----	----	----	1.4537 - 0.0115	.9149	----	----	----	----	50	UNCH
4600		----	----	----	----	----	1.5479 - 0.0116	.9266	----	----	----	----	90	UNCH
4800		----	----	----	----	----	1.7384 - 0.0116	.9452	----	----	----	----	25	UNCH
6500		----	----	----	----	----	3.3987 - 0.0115	.9942	----	----	----	500	13281 + 500	
TOTAL														
DEC18														
2000		----	----	----	----	----	0.0130 - 0.0012	.0336	----	----	----	----	970	UNCH
2250		----	----	----	----	----	0.0326 - 0.0025	.0755	----	----	----	----	435	UNCH
2300		----	----	----	----	----	0.0384 - 0.0028	.0869	----	----	----	----	2	UNCH
2350		----	----	----	----	----	0.0449 - 0.0031	.0994	----	----	----	----	10	UNCH
2500		----	----	----	----	----	0.0697 - 0.0044	.1437	----	----	----	----	1306	UNCH
2550		----	----	----	----	----	0.0802 - 0.0048	.1610	----	----	----	----	4	UNCH
2600		----	----	----	----	----	0.0918 - 0.0054	.1793	----	----	----	----	577	UNCH
2650		----	----	----	----	----	0.1046 - 0.0058	.1987	----	----	----	----	30	UNCH
2750		----	----	----	----	----	0.1340 - 0.0069	.2404	----	----	----	----	935	UNCH
2800		----	----	----	----	----	0.1508 - 0.0074	.2625	----	----	----	----	203	UNCH
2850		----	----	----	----	----	0.1689 - 0.0079	.2853	----	----	----	----	48	UNCH
2900		----	----	----	----	----	0.1883 - 0.0083	.3085	----	----	----	----	425	UNCH
2950		----	----	----	----	----	0.2089 - 0.0088	.3322	----	----	----	----	13	UNCH
3000		----	----	----	----	----	0.2308 - 0.0093	.3562	----	----	----	----	1053	UNCH
3050		----	----	----	----	----	0.2541 - 0.0097	.3804	----	----	----	----	205	UNCH
3100		----	----	----	----	----	0.2786 - 0.0102	.4047	----	----	----	----	30	UNCH
3250		----	----	----	----	----	0.3597 - 0.0112	.4770	----	----	----	----	375	UNCH
3400		----	----	----	----	----	0.4512 - 0.0123	.5459	----	----	----	----	50	UNCH
3500		----	----	----	----	----	0.5175 - 0.0129	.5893	----	----	----	----	41	UNCH
3750		----	----	----	----	----	0.6993 - 0.0139	.6858	----	----	----	----	80	UNCH
4000		----	----	----	----	----	0.8995 - 0.0145	.7646	----	----	----	----	255	UNCH
4400		----	----	----	----	----	1.2467 - 0.0149	.8562	----	----	----	----	15	UNCH
4450		----	----	----	----	----	1.2918 - 0.0150	.8650	----	----	----	----	50	UNCH
4500		----	----	----	----	----	1.3371 - 0.0151	.8735	----	----	----	----	50	UNCH
4600		----	----	----	----	----	1.4288 - 0.0150	.8887	----	----	----	----	90	UNCH
4800		----	----	----	----	----	1.6147 - 0.0150	.9142	----	----	----	----	25	UNCH
6500		----	----	----	----	----	3.2604 - 0.0146	.9894	----	----	----	----	10	UNCH
TOTAL														
JAN19														
2000		----	----	----	----	----	0.0088 - 0.0010	.0241	----	----	----	----	225	UNCH
2250		----	----	----	----	----	0.0255 - 0.0024	.0608	----	----	----	----	355	UNCH
2350		----	----	----	----	----	0.0370 - 0.0032	.0831	----	----	----	----	70	UNCH
2500		----	----	----	----	----	0.0617 - 0.0047	.1257	----	----	----	----	375	UNCH
2550		----	----	----	----	----	0.0722 - 0.0051	.1422	----	----	----	----	4	UNCH
2650		----	----	----	----	----	0.0967 - 0.0062	.1781	----	----	----	----	30	UNCH
2700		----	----	----	----	----	0.1110 - 0.0068	.1974	----	----	----	----	9	UNCH
2750		----	----	----	----	----	0.1267 - 0.0073	.2175	----	----	----	----	261	UNCH
2800		----	----	----	----	----	0.1437 - 0.0078	.2382	----	----	----	----	109	UNCH
2810		----	----	----	----	----	0.1472 - 0.0080	.2424	----	----	----	----	22	UNCH
2850		----	----	----	----	----	0.1620 - 0.0084	.2594	----	----	----	----	50	UNCH
2900		----	----	----	----	----	0.1817 - 0.0090	.2809	----	----	----	----	15	UNCH
2950		----	----	----	----	----	0.2029 - 0.0095	.3028	----	----	----	----	125	UNCH
3000		----	----	----	----	----	0.2253 - 0.0100	.3247	----	----	----	----	745	UNCH
3050		----	----	----	----	----	0.2491 - 0.0104	.3468	----	----	----	----	100	UNCH
3250		----	----	----	----	----	0.3563 - 0.0122	.4334	----	----	----	----	75	UNCH
3500		----	----	----	----	----	0.5159 - 0.0138	.5317	----	----	----	----	50	UNCH
3750		----	----	----	----	----	0.6989 - 0.0152	.6140	----	----	----	----	25	UNCH
4000		----	----	----	----	----	0.8997 - 0.0158	.6796	----	----	----	----	230	UNCH
4650		----	----	----	----	----	1.4651 - 0.0166	.7960	----	----	----	----	55	UNCH
4750		----	----	----	----	----	1.5553 - 0.0166	.8093	----	----	----	----	125	UNCH
5150		----	----	----	----	----	1.9213 - 0.0167	.8545	----	----	----	----	50	UNCH
7000		----	----	----	----	----	3.6791 - 0.0165	.9630	----	----	----	----	10	UNCH
TOTAL														
FEB19														
2000		----	----	----	----	----	0.0159 - 0.0014	.0370	----	----	----	----	225	UNCH
2250		----	----	----	----	----	0.0405 - 0.0029	.0820	----	----	----	----	355	UNCH
2350		----	----	----	----	----	0.0562 - 0.0038	.1072	----	----	----	----	70	UNCH
2500		----	----	----	----	----	0.0877 - 0.0051	.1522	----	----	----	----	375	UNCH
2550		----	----	----	----	----	0.1004 - 0.0056	.1689	----	----	----	----	4	UNCH
2650		----	----	----	----	----	0.1297 - 0.0066	.2045	----	----	----	----	30	UNCH
2700		----	----	----	----	----	0.1463 - 0.0071	.2232	----	----	----	----	9	UNCH
2750		----	----	----	----	----	0.1641 - 0.0075	.2424	----	----	----	----	211	UNCH
2800		----	----	----	----	----	0.1831 - 0.0080	.2619	----	----	----	----	109	UNCH
2810		----	----	----	----	----	0.1870 - 0.0082	.2658	----	----	----	----	22	UNCH
2850		----	----	----	----	----	0.2033 - 0.0086	.2817	----	----	----	----	50	UNCH
2900		----	----	----	----	----	0.2249 - 0.0090	.3017	----	----	----	----	15	UNCH
2950		----	----	----	----	----	0.2476 - 0.0095	.3217	----	----	----	----	125	UNCH
3000		----	----	----	----	----	0.2716 - 0.0099	.3419	----	----	----	----	745	UNCH
3050		----	----	----	----	----	0.2967 - 0.0103	.3619	----	----	----	----	100	UNCH
3250		----	----	----	----	----	0.4083 - 0.0119	.4404	----	----	----	----	75	UNCH
3500		----	----	----	----	----	0.5702 - 0.0135	.5291	----	----	----	----	50	UNCH
3750		----	----	----	----	----	0.7533 - 0.0146	.6043	----	----	----	----	25	UNCH
4000		----	----	----	----	----	0.9524 - 0.0155	.6658	----	----	----	----	230	UNCH
4650		----	----	----	----	----	1.5136 - 0.0162	.7774	----	----	----	----	55	UNCH
4750														





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ENERGY OPTIONS

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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 are grouped by month (MAR19, APR19, MAY19, JUN19, JUL19, AUG19) and include contract details like 4650, 4750, 5150, 7000.



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Table with columns: LN, PUT, OPEN, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from AUG19 to 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.



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Table with columns: LN, PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from FEB20 to OCT20 with various contract specifications and volume data.

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



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ENERGY OPTIONS

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LN	PUT	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
NYMEX NATURAL GAS (EURO) OPTS													
OCT20													
2250		----	----	----	----	----	0.0728 - 0.0016	.1636	----	----	----	----	290 UNCH
2500		----	----	----	----	----	0.1426 - 0.0033	.2784	----	----	----	----	266 UNCH
2550		----	----	----	----	----	0.1611 - 0.0035	.3047	----	----	----	----	4 UNCH
2650		----	----	----	----	----	0.2020 - 0.0042	.3590	----	----	----	----	10 UNCH
2730		----	----	----	----	----	0.2387 - 0.0046	.4038	----	----	----	----	11 UNCH
2750		----	----	----	----	----	0.2484 - 0.0048	.4151	----	----	----	----	457 UNCH
2800		----	----	----	----	----	0.2736 - 0.0050	.4434	----	----	----	----	23 UNCH
2850		----	----	----	----	----	0.3002 - 0.0052	.4714	----	----	----	----	50 UNCH
2900		----	----	----	----	----	0.3278 - 0.0056	.4987	----	----	----	----	16 UNCH
3000		----	----	----	----	----	0.3870 - 0.0060	.5515	----	----	----	----	81 UNCH
4450		----	----	----	----	----	1.5888 - 0.0090	.9140	----	----	----	----	50 UNCH
5150		----	----	----	----	----	2.2365 - 0.0086	.9634	----	----	----	----	25 UNCH
5200		----	----	----	----	----	2.2833 - 0.0086	.9657	----	----	----	----	75 UNCH
TOTAL													1508
NOV20													
2000		----	----	----	----	----	0.0366 - 0.0003	.0831	----	----	----	----	150 UNCH
2250		----	----	----	----	----	0.0680 - 0.0011	.1481	----	----	----	----	290 UNCH
2500		----	----	----	----	----	0.1314 - 0.0026	.2520	----	----	----	----	266 UNCH
2550		----	----	----	----	----	0.1483 - 0.0030	.2762	----	----	----	----	4 UNCH
2650		----	----	----	----	----	0.1863 - 0.0035	.3268	----	----	----	----	10 UNCH
2730		----	----	----	----	----	0.2206 - 0.0039	.3689	----	----	----	----	11 UNCH
2750		----	----	----	----	----	0.2297 - 0.0040	.3795	----	----	----	----	457 UNCH
2800		----	----	----	----	----	0.2533 - 0.0042	.4064	----	----	----	----	23 UNCH
2850		----	----	----	----	----	0.2782 - 0.0045	.4334	----	----	----	----	50 UNCH
2900		----	----	----	----	----	0.3044 - 0.0046	.4602	----	----	----	----	16 UNCH
3000		----	----	----	----	----	0.3602 - 0.0051	.5122	----	----	----	----	81 UNCH
4450		----	----	----	----	----	1.5305 - 0.0080	.8979	----	----	----	----	50 UNCH
5150		----	----	----	----	----	2.1733 - 0.0076	.9535	----	----	----	----	25 UNCH
5200		----	----	----	----	----	2.2198 - 0.0075	.9562	----	----	----	----	75 UNCH
TOTAL													1508
DEC20													
2000		----	----	----	----	----	0.0314 - 0.0003	.0669	----	----	----	----	150 UNCH
2250		----	----	----	----	----	0.0573 - 0.0005	.1181	----	----	----	----	290 UNCH
2500		----	----	----	----	----	0.1060 - 0.0019	.1997	----	----	----	----	266 UNCH
2550		----	----	----	----	----	0.1196 - 0.0022	.2198	----	----	----	----	4 UNCH
2650		----	----	----	----	----	0.1510 - 0.0028	.2630	----	----	----	----	10 UNCH
2730		----	----	----	----	----	0.1798 - 0.0032	.2997	----	----	----	----	11 UNCH
2750		----	----	----	----	----	0.1876 - 0.0032	.3092	----	----	----	----	457 UNCH
2800		----	----	----	----	----	0.2077 - 0.0035	.3330	----	----	----	----	23 UNCH
2850		----	----	----	----	----	0.2291 - 0.0038	.3573	----	----	----	----	50 UNCH
2900		----	----	----	----	----	0.2517 - 0.0040	.3819	----	----	----	----	16 UNCH
3000		----	----	----	----	----	0.3005 - 0.0044	.4317	----	----	----	----	81 UNCH
4450		----	----	----	----	----	1.4010 - 0.0082	.8648	----	----	----	----	50 UNCH
5150		----	----	----	----	----	2.0352 - 0.0074	.9318	----	----	----	----	25 UNCH
5200		----	----	----	----	----	2.0811 - 0.0075	.9352	----	----	----	----	75 UNCH
TOTAL													1508
JAN21													
2000		----	----	----	----	----	0.0323 - 0.0007	.0628	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.0635 - 0.0006	.1137	----	----	----	----	380 UNCH
2500		----	----	----	----	----	0.1093 - 0.0012	.1829	----	----	----	----	250 UNCH
2700		----	----	----	----	----	0.1644 - 0.0026	.2549	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.1817 - 0.0028	.2751	----	----	----	----	50 UNCH
2850		----	----	----	----	----	0.2200 NEW	----	----	----	25	25 +	25 UNCH
5200		----	----	----	----	----	1.9837 - 0.0074	.9238	----	----	----	100 UNCH	
TOTAL													842 + 25
FEB21													
2000		----	----	----	----	----	0.0453 - 0.0006	.0779	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.0811 - 0.0007	.1307	----	----	----	----	380 UNCH
2500		----	----	----	----	----	0.1351 - 0.0016	.2021	----	----	----	----	250 UNCH
2700		----	----	----	----	----	0.1987 - 0.0028	.2734	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.2176 - 0.0030	.2926	----	----	----	----	50 UNCH
2850		----	----	----	----	----	0.2588 NEW	----	----	----	25	25 +	25 UNCH
5200		----	----	----	----	----	2.0164 - 0.0072	.9073	----	----	----	100 UNCH	
TOTAL													842 + 25
MAR21													
2000		----	----	----	----	----	0.0615 - 0.0006	.0957	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.1052 - 0.0011	.1530	----	----	----	----	380 UNCH
2500		----	----	----	----	----	0.1701 - 0.0022	.2278	----	----	----	----	250 UNCH
2700		----	----	----	----	----	0.2431 - 0.0029	.2984	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.2639 - 0.0032	.3169	----	----	----	----	50 UNCH
2850		----	----	----	----	----	0.3088 NEW	----	----	----	25	25 +	25 UNCH
5200		----	----	----	----	----	2.0757 - 0.0070	.8937	----	----	----	100 UNCH	
TOTAL													842 + 25
APR21													
2000		----	----	----	----	----	0.0580 - 0.0004	.1202	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.1044 - 0.0011	.2032	----	----	----	----	380 UNCH
2500		----	----	----	----	----	0.1850 - 0.0025	.3187	----	----	----	----	250 UNCH
2700		----	----	----	----	----	0.2759 - 0.0033	.4233	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.3018 - 0.0035	.4500	----	----	----	----	50 UNCH
2850		----	----	----	----	----	0.3571 NEW	----	----	----	25	25 +	25 UNCH
5200		----	----	----	----	----	2.3261 - 0.0053	.9681	----	----	----	100 UNCH	
TOTAL													842 + 25
MAY21													
2000		----	----	----	----	----	0.0559 - 0.0003	.1209	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.1018 - 0.0010	.2070	----	----	----	----	380 UNCH
2500		----	----	----	----	----	0.1836 - 0.0025	.3284	----	----	----	----	250 UNCH
2700		----	----	----	----	----	0.2760 - 0.0034	.4381	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.3023 - 0.0036	.4660	----	----	----	----	50 UNCH
2850		----	----	----	----	----	0.3587 NEW	----	----	----	25	25 +	25 UNCH
5200		----	----	----	----	----	2.3436 - 0.0051	.9733	----	----	----	100 UNCH	
TOTAL													842 + 25
JUN21													
2000		----	----	----	----	----	0.0531 - 0.0003	.1151	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.0964 - 0.0008	.1975	----	----	----	----	380 UNCH
2500		----	----	----	----	----	0.1737 - 0.0024	.3157	----	----	----	----	250 UNCH
2700		----	----	----	----	----	0.2632 - 0.0032	.4247	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.2888 - 0.0034	.4526	----	----	----	----	50 UNCH
2850		----	----	----	----	----	0.3438 NEW	----	----	----	25	25 +	25 UNCH
5200		----	----	----	----	----	2.3168 - 0.0051	.9724	----	----	----	100 UNCH	
TOTAL													842 + 25
JUL21													
2000		----	----	----	----	----	0.0518 - 0.0002	.1108	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.0934 - 0.0007	.1896	----	----	----	----	380 UNCH
2500		----	----	----	----	----	0.1670 - 0.0022	.3033	----	----	----	----	250 UNCH
2700		----	----	----	----	----	0.2537 - 0.0031	.4100	----	----	----	----	12 UNCH
2750		----	----	----	----	----	0.2787 - 0.0032	.4374	----	----	----	----	50 UNCH
2850		----	----	----	----	----	0.3322 NEW	----	----	----	25	25 +	25 UNCH
5200		----	----	----	----	----	2.2884 - 0.0051	.9700	----	----	----	100 UNCH	
TOTAL													842 + 25
AUG21													
2000		----	----	----	----	----	0.0516 - 0.0002	.1090	----	----	----	----	25 UNCH
2250		----	----	----	----	----	0.0925 - 0.0007	.1859	----	----	----	----	380 UNCH
2500</													



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ENERGY OPTIONS

Thu, Nov 16, 2017 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

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Table with columns: LN, PUT, GLOBEX OPEN, OPEN RANGE, OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN HIGH/LOW, OUTCRY HIGH/LOW, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from SEP21 to FEB23 and various contract specifications.



PG63 BULLETIN #222@

ENERGY OPTIONS

Thu, Nov 16, 2017 PG63

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LN	PUT	GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
NYMEX NATURAL GAS (EURO) OPTS													
FEB23													
2700	----	----	----	----	----	----	0.1792 - 0.0012	.2580	----	----	----	----	12 UNCH
5250	----	----	----	----	----	----	1.9476 - 0.0017	.9096	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	2.1669 - 0.0012	.9256	----	----	----	----	50 UNCH
TOTAL													93
MAR23													
2300	----	----	----	----	----	----	0.0803 - 0.0007	.1384	----	----	----	----	1 UNCH
2700	----	----	----	----	----	----	0.1953 - 0.0013	.2777	----	----	----	----	12 UNCH
5250	----	----	----	----	----	----	1.9934 - 0.0015	.9145	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	2.2129 - 0.0011	.9296	----	----	----	----	50 UNCH
TOTAL													93
APR23													
2300	----	----	----	----	----	----	0.1334 - 0.0007	.2232	----	----	----	----	1 UNCH
2700	----	----	----	----	----	----	0.2916 - 0.0010	.4006	----	----	----	----	12 UNCH
5250	----	----	----	----	----	----	2.2503 + 0.0009	.9467	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	2.4722 + 0.0013	.9570	----	----	----	----	50 UNCH
TOTAL													93
MAY23													
2300	----	----	----	----	----	----	0.1388 - 0.0007	.2300	----	----	----	----	1 UNCH
2700	----	----	----	----	----	----	0.3000 - 0.0010	.4088	----	----	----	----	12 UNCH
5250	----	----	----	----	----	----	2.2626 + 0.0010	.9473	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	2.4842 + 0.0014	.9575	----	----	----	----	50 UNCH
TOTAL													93
JUN23													
2300	----	----	----	----	----	----	0.1352 - 0.0007	.2226	----	----	----	----	1 UNCH
2700	----	----	----	----	----	----	0.2929 - 0.0009	.3972	----	----	----	----	12 UNCH
5250	----	----	----	----	----	----	2.2385 + 0.0010	.9425	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	2.4593 + 0.0015	.9535	----	----	----	----	50 UNCH
TOTAL													93
JUL23													
2300	----	----	----	----	----	----	0.1316 - 0.0006	.2149	----	----	----	----	1 UNCH
2700	----	----	----	----	----	----	0.2855 - 0.0009	.3851	----	----	----	----	12 UNCH
5250	----	----	----	----	----	----	2.2122 + 0.0011	.9381	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	2.4322 + 0.0016	.9497	----	----	----	----	50 UNCH
TOTAL													93
AUG23													
2300	----	----	----	----	----	----	0.1286 - 0.0006	.2086	----	----	----	----	1 UNCH
2700	----	----	----	----	----	----	0.2795 - 0.0009	.3752	----	----	----	----	12 UNCH
5250	----	----	----	----	----	----	2.1900 + 0.0012	.9339	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	2.4092 + 0.0016	.9462	----	----	----	----	50 UNCH
TOTAL													93
SEP23													
2700	----	----	----	----	----	----	0.2806 - 0.0008	.3739	----	----	----	----	12 UNCH
5250	----	----	----	----	----	----	2.1842 + 0.0013	.9319	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	2.4028 + 0.0018	.9445	----	----	----	----	50 UNCH
TOTAL													92
OCT23													
2700	----	----	----	----	----	----	0.2725 - 0.0008	.3615	----	----	----	----	12 UNCH
5250	----	----	----	----	----	----	2.1569 + 0.0014	.9262	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	2.3746 + 0.0019	.9393	----	----	----	----	50 UNCH
TOTAL													92
NOV23													
2700	----	----	----	----	----	----	0.2510 - 0.0008	.3322	----	----	----	----	12 UNCH
5250	----	----	----	----	----	----	2.0920 + 0.0013	.9160	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	2.3087 + 0.0019	.9300	----	----	----	----	50 UNCH
TOTAL													92
DEC23													
2700	----	----	----	----	----	----	0.2103 - 0.0006	.2783	----	----	----	----	12 UNCH
5250	----	----	----	----	----	----	1.9633 + 0.0013	.8945	----	----	----	----	30 UNCH
5500	----	----	----	----	----	----	2.1776 + 0.0017	.9112	----	----	----	----	50 UNCH
TOTAL													92
JAN24													
5300	----	----	----	----	----	----	1.9028 + 0.0011	.8822	----	----	----	----	60 UNCH
TOTAL													60
FEB24													
5300	----	----	----	----	----	----	1.9255 + 0.0013	.8809	----	----	----	----	60 UNCH
TOTAL													60
MAR24													
5300	----	----	----	----	----	----	1.9689 + 0.0015	.8877	----	----	----	----	60 UNCH
TOTAL													60
APR24													
5300	----	----	----	----	----	----	2.2132 + 0.0023	.9233	----	----	----	----	60 UNCH
TOTAL													60
MAY24													
5300	----	----	----	----	----	----	2.2247 + 0.0023	.9239	----	----	----	----	60 UNCH
TOTAL													60
JUN24													
5300	----	----	----	----	----	----	2.1998 + 0.0025	.9198	----	----	----	----	60 UNCH
TOTAL													60
JUL24													
5300	----	----	----	----	----	----	2.1738 + 0.0023	.9159	----	----	----	----	60 UNCH
TOTAL													60
AUG24													
5300	----	----	----	----	----	----	2.1519 + 0.0025	.9122	----	----	----	----	60 UNCH
TOTAL													60
SEP24													
5300	----	----	----	----	----	----	2.1454 + 0.0027	.9104	----	----	----	----	60 UNCH
TOTAL													60
OCT24													
5300	----	----	----	----	----	----	2.1166 + 0.0026	.9057	----	----	----	----	60 UNCH
TOTAL													60
NOV24													
5300	----	----	----	----	----	----	2.0566 + 0.0026	.8914	----	----	----	----	60 UNCH
TOTAL													60
DEC24													
5300	----	----	----	----	----	----	1.9346 + 0.0024	.8684	----	----	----	----	60 UNCH
TOTAL													60
NYMEX NATURAL GAS OPTIONS (PHY)													
ON CALL													
DEC17													
2500	----	----	0.600B/0.560A	0.600B/0.560A	----	----	0.553 - 0.027	.9993	----	----	----	----	2 UNCH
2600	----	----	0.500B/0.460A	0.500B/0.460A	----	----	0.453 - 0.027	.9953	----	----	----	----	5 UNCH
2700	----	----	0.400B/0.360A	0.400B/0.360A	----	----	0.355 - 0.027	.9785	----	----	----	----	58 UNCH
2750	----	----	0.350B/0.310A	0.350B/0.310A	----	----	0.307 - 0.027	.9586	----	----	----	----	52 UNCH
2800	----	----	0.310B/0.260A	0.310B/0.260A	----	----	0.260 - 0.027	.9295	----	----	----	----	107 UNCH
2850	----	----	0.260B/0.210A	0.260B/0.210A	----	----	0.216 - 0.027	.8788	----	----	----	----	75 UNCH



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ENERGY OPTIONS

Thu, Nov 16, 2017 PG63

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include DEC17, JAN18, FEB18 sections with various contract specifications and volume data.

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include FEB18 and MAR18 contracts for NYMEX NATURAL GAS OPTIONS (PHY).

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2017 DAILY INFORMATION BULLETIN - http://www.cmegroup.com/dailybulletin

CME Group, Inc.

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FINAL

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ENERGY OPTIONS

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Table with columns: ON PUT, GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE, DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include NYMEX NATURAL GAS OPTIONS (PHY) for JAN18, FEB18, MAR18, APR18, and MAY18.

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Rows include months from MAY18 to NOV17 and contract types like NYMEX NATURAL GAS OPTIONS (PHY) and NYMEX ONE DAY CRUDE OIL OPTIONS.

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX VOLUME, PNT VOLUME, OPEN INTEREST. Includes sections for NYMEX ONE DAY NATURAL GAS OPTIONS (OB CALL) and NYMEX RBOB (PHY) OPTIONS (OB CALL).

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OB PUT	OPEN	OUTCRY	GLOBEX	OPEN	OUTCRY	SETT.PRICE	DELTA	EXER	OPEN	GLOBEX	PNT	OPEN
OPEN	OPEN	RANGE	HIGH/LOW	HIGH/LOW	CLOSE	& PT.CHGE.		CISES	OUTCRY	VOLUME	VOLUME	INTEREST
NYMEX RBOB (PHY) OPTIONS												
JAN18	----	----	----	----	----							
17600	----	----	#0.0800B/----	#0.0800B/----	----	0.0827 + 0.0112	.6228	----	----	1	----	100 - 1
17700	----	----			----	0.0893 + 0.0119	.6499	----	----	----	----	1 UNCH
17800	----	----			----	0.0961 + 0.0124	.6763	----	----	----	----	51 UNCH
18000	----	----			----	0.1106 + 0.0137	.7256	----	----	----	----	21 UNCH
18100	----	----			----	0.1182 + 0.0142	.7486	----	----	----	----	21 UNCH
TOTAL										56	100	1600 + 149
FEB18	----	----	----	----	----							
11000	----	----			----	0.0001 UNCH	.0012	----	----	----	----	800 UNCH
12000	----	----			----	0.0002 UNCH	.0026	----	----	----	----	5 UNCH
14000	----	----			----	0.0044 + 0.0006	.0456	----	----	----	----	302 UNCH
15000	----	----			----	0.0128 + 0.0015	.1174	----	----	----	----	302 UNCH
15600	----	----			----	0.0221 + 0.0024	.1876	----	----	----	----	20 UNCH
16100	----	----			----	0.0334 + 0.0033	.2641	----	----	----	----	22 UNCH
16400	----	----			----	0.0422 + 0.0041	.3181	----	----	----	----	22 UNCH
16500	----	----			----	0.0454 NEW	.3371	----	----	200	----	200 + 200
17000	----	----			----	0.0653 + 0.0064	.4403	----	----	----	----	100 UNCH
17500	----	----			----	0.0906 + 0.0089	.5494	----	----	----	----	20 UNCH
18000	----	----			----	0.1211 + 0.0111	.6561	----	----	----	----	20 UNCH
TOTAL											200	1813 + 200
MAR18	----	----	----	----	----							
14000	----	----			----	0.0081 + 0.0010	.0660	----	----	----	----	300 UNCH
15000	----	----			----	0.0185 + 0.0014	.1374	----	----	----	----	526 UNCH
17000	----	----			----	0.0706 + 0.0067	.4141	----	----	----	----	10 UNCH
18000	----	----			----	0.1247 + 0.0102	.5964	----	----	----	----	5 UNCH
TOTAL												841
JUN18	----	----	----	----	----							
16500	----	----			----	0.0339 + 0.0019	.1848	----	----	----	----	2 UNCH
TOTAL												2
PANHANDLE PIPE OPTION												
DEC17	----	----	----	----	----							
3350	----	----			----	0.0005 - 0.0013	.0052	----	----	----	----	120 UNCH
TOTAL												120
JAN18	----	----	----	----	----							
2650	----	----			----	0.2448 - 0.0293	.6692	----	----	----	----	240 UNCH
3350	----	----			----	0.0394 - 0.0093	.1637	----	----	----	----	120 UNCH
TOTAL												360
FEB18	----	----	----	----	----							
2650	----	----			----	0.2969 - 0.0271	.6374	----	----	----	----	240 UNCH
3350	----	----			----	0.0914 - 0.0141	.2550	----	----	----	----	120 UNCH
TOTAL												360
MAR18	----	----	----	----	----							
2650	----	----			----	0.2532 - 0.0221	.5314	----	----	----	----	240 UNCH
3350	----	----			----	0.0988 - 0.0110	.2452	----	----	----	----	120 UNCH
TOTAL												360
APR18	----	----	----	----	----							
2650	----	----			----	0.0841 - 0.0029	.3187	----	----	----	----	240 UNCH
3350	----	----			----	0.0098 - 0.0009	.0515	----	----	----	----	120 UNCH
TOTAL												360
MAY18	----	----	----	----	----							
2650	----	----			----	0.0657 - 0.0023	.2761	----	----	----	----	240 UNCH
3350	----	----			----	0.0040 - 0.0011	.0261	----	----	----	----	120 UNCH
TOTAL												360
JUN18	----	----	----	----	----							
2650	----	----			----	0.0826 - 0.0028	.3137	----	----	----	----	240 UNCH
3350	----	----			----	0.0070 - 0.0006	.0405	----	----	----	----	120 UNCH
TOTAL												360
JUL18	----	----	----	----	----							
2650	----	----			----	0.1194 - 0.0013	.3882	----	----	----	----	240 UNCH
TOTAL												240
AUG18	----	----	----	----	----							
2650	----	----			----	0.1318 - 0.0005	.4012	----	----	----	----	240 UNCH
TOTAL												240
SEP18	----	----	----	----	----							
2650	----	----			----	0.1264 - 0.0012	.3808	----	----	----	----	240 UNCH
TOTAL												240
OCT18	----	----	----	----	----							
2650	----	----			----	0.1352 - 0.0014	.3885	----	----	----	----	240 UNCH
TOTAL												240
NOV18	----	----	----	----	----							
2650	----	----			----	0.2262 + 0.0044	.5085	----	----	----	----	240 UNCH
TOTAL												240
DEC18	----	----	----	----	----							
2650	----	----			----	0.3407 + 0.0067	.6177	----	----	----	----	240 UNCH
TOTAL												240
PANHANDLE PIPE OPTION												
DEC17	----	----	----	----	----							
2500	----	----			----	0.0252 + 0.0056	.2092	----	----	----	----	120 UNCH
TOTAL												120
JAN18	----	----	----	----	----							
2400	----	----			----	0.0260 + 0.0028	.1225	----	----	----	----	240 UNCH
2500	----	----			----	0.0474 + 0.0049	.1955	----	----	----	----	120 UNCH
TOTAL												360
FEB18	----	----	----	----	----							
2400	----	----			----	0.0621 + 0.0020	.1898	----	----	----	----	240 UNCH
2500	----	----			----	0.0946 + 0.0033	.2565	----	----	----	----	120 UNCH
TOTAL												360
MAR18	----	----	----	----	----							
2400	----	----			----	0.1475 + 0.0084	.3153	----	----	----	----	240 UNCH
2500	----	----			----	0.1978 + 0.0102	.3787	----	----	----	----	120 UNCH
TOTAL												360
APR18	----	----	----	----	----							
2400	----	----			----	0.1818 + 0.0017	.4744	----	----	----	----	240 UNCH
2500	----	----			----	0.2410 + 0.0022	.5631	----	----	----	----	120 UNCH
TOTAL												360
MAY18	----	----	----	----	----							
2400	----	----			----	0.1977 - 0.0036	.5130	----	----	----	----	240 UNCH
2500	----	----			----	0.2589 - 0.0039	.6044	----	----	----	----	120 UNCH
TOTAL												360
JUN18	----	----	----	----	----							
2400	----	----			----	0.1926 - 0.0031	.4815	----	----	----	----	240 UNCH
2500	----	----			----	0.2508 - 0.0031	.5684	----	----	----	----	120 UNCH
TOTAL												360
JUL18	----	----	----	----	----							
2400	----	----			----	0.1664 - 0.0053	.4131	----	----	----	----	240 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 #222@

ENERGY OPTIONS

Thu, Nov 16, 2017 PG63

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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include contract types like PANHANDLE PIPE OPTION and PJM WEST HUB REAL-TIME PK 5 MW OPT.





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Table with columns: GLOBEX OPEN, OPEN OUTCRY OPEN RANGE, GLOBEX HIGH/LOW, OPEN OUTCRY HIGH/LOW, OPEN OUTCRY CLOSE RANGE, SETT.PRICE & PT.CHGE., DELTA, EXER CISES, OPEN OUTCRY VOLUME, GLOBEX® VOLUME, PNT VOLUME, OPEN INTEREST. Rows include PMA OOF APR18, MAY18, JUN18, JUL18, AUG18, SEP18, OCT18, NOV18, DEC18, JAN19, FEB19, RPF CALL, ZA CALL, RA CALL.



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GLOBAL OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST	
RA CALL												
RBOB APO (AVERAGE PRICE) OPTIONS												
TOTAL												15
NOV18												
22000	----	----	----	----	0.0160 - 0.0015	.1017	----	----	----	----	10	UNCH
22500	----	----	----	----	0.0130 - 0.0013	.0853	----	----	----	----	5	UNCH
TOTAL												15
DEC18												
22000	----	----	----	----	0.0183 - 0.0017	.1103	----	----	----	----	10	UNCH
22500	----	----	----	----	0.0151 - 0.0014	.0937	----	----	----	----	5	UNCH
TOTAL												15
JAN19												
22000	----	----	----	----	0.0224 - 0.0017	.1259	----	----	----	----	10	UNCH
22500	----	----	----	----	0.0187 - 0.0015	.1081	----	----	----	----	5	UNCH
TOTAL												15
FEB19												
22000	----	----	----	----	0.0281 - 0.0018	.1462	----	----	----	----	10	UNCH
22500	----	----	----	----	0.0238 - 0.0016	.1273	----	----	----	----	5	UNCH
TOTAL												15
RA PUT												
RBOB APO (AVERAGE PRICE) OPTIONS												
NOV17												
12500	----	----	----	----	0.0001 UNCH	.0000	----	----	----	----	50	UNCH
13000	----	----	----	----	0.0001 UNCH	.0003	----	----	----	----	25	UNCH
13500	----	----	----	----	0.0001 UNCH	.0015	----	----	----	----	75	UNCH
TOTAL												150
DEC17												
12500	----	----	----	----	0.0001 UNCH	.0000	----	----	----	----	50	UNCH
13000	----	----	----	----	0.0001 UNCH	.0004	----	----	----	----	25	UNCH
13500	----	----	----	----	0.0001 UNCH	.0020	----	----	----	----	75	UNCH
TOTAL												150
RF CALL												
RBOB EURO EXPIRATION OPTION												
DEC17												
17000	----	----	----	----	0.0333 - 0.0195	.5943	----	----	----	----	75	UNCH
TOTAL												75
JAN18												
18500	----	----	----	----	0.0124 - 0.0051	.1717	----	----	----	----	50	UNCH
TOTAL												50
RF PUT												
RBOB EURO EXPIRATION OPTION												
DEC17												
14000	----	----	----	----	0.0001 UNCH	.0017	----	----	----	----	75	UNCH
TOTAL												75
JAN18												
16000	----	----	----	----	0.0181 + 0.0026	.2040	----	----	----	----	50	UNCH
TOTAL												50
MAR18												
14000	----	----	----	----	0.0081 + 0.0010	.0660	----	----	----	----	150	UNCH
TOTAL												150
Q6 CALL												
ROTTERDAM 3.5%FUEL OIL CLN APO												
NOV17												
20000	----	----	----	----	145.461 - 1.021	.9997	----	----	----	----	10	UNCH
20300	----	----	----	----	142.463 - 1.020	.9997	----	----	----	----	5	UNCH
30300	----	----	----	----	42.513 - 1.024	.9836	----	----	----	----	10	UNCH
31000	----	----	----	----	35.516 - 1.024	.9759	----	----	----	----	5	UNCH
35000	----	----	----	----	0.854 - 0.581	.2320	----	----	----	----	5	UNCH
TOTAL												35
DEC17												
20000	----	----	----	----	138.744 - 2.322	.9991	----	----	----	----	10	UNCH
20300	----	----	----	----	135.748 - 2.322	.9990	----	----	----	----	5	UNCH
30300	----	----	----	----	36.790 - 2.234	.9326	----	----	----	----	10	UNCH
31000	----	----	----	----	30.565 - 2.160	.8831	----	----	----	----	5	UNCH
35000	----	----	----	----	6.225 - 1.069	.3555	----	----	----	----	5	UNCH
TOTAL												35
Q6 PUT												
ROTTERDAM 3.5%FUEL OIL CLN APO												
NOV17												
17500	----	----	----	----	0.002 UNCH	.0000	----	----	----	----	5	UNCH
TOTAL												5
DEC17												
17500	----	----	----	----	0.005 UNCH	.0002	----	----	----	----	5	UNCH
TOTAL												5
PJ CALL												
SAN JUAN PIPE OPTION												
DEC17												
3100	----	----	----	----	0.0056 - 0.0051	.0515	----	----	----	----	20	UNCH
3150	----	----	----	----	0.0039 - 0.0039	.0367	----	----	----	----	12	UNCH
3250	----	----	----	----	0.0019 - 0.0022	.0184	----	----	----	----	12	UNCH
3500	----	----	----	----	0.0002 - 0.0005	.0021	----	----	----	----	62	UNCH
3650	----	----	----	----	0.0001 - 0.0001	.0010	----	----	----	----	186	UNCH
3750	----	----	----	----	0.0001 UNCH	.0003	----	----	----	----	744	UNCH
3900	----	----	----	----	0.0001 UNCH	.0000	----	----	----	----	434	UNCH
4000	----	----	----	----	0.0001 UNCH	.0000	----	----	----	----	124	UNCH
TOTAL												1594
JAN18												
3100	----	----	----	----	0.0849 - 0.0177	.3077	----	----	----	----	20	UNCH
3500	----	----	----	----	0.0290 - 0.0080	.1237	----	----	----	----	62	UNCH
3650	----	----	----	----	0.0193 - 0.0060	.0860	----	----	----	----	186	UNCH
3750	----	----	----	----	0.0149 - 0.0048	.0679	----	----	----	----	744	UNCH
3900	----	----	----	----	0.0101 - 0.0034	.0474	----	----	----	----	434	UNCH
4000	----	----	----	----	0.0079 - 0.0026	.0376	----	----	----	----	124	UNCH
TOTAL												1570
FEB18												
3100	----	----	----	----	0.1455 - 0.0154	.3717	----	----	----	----	20	UNCH
3500	----	----	----	----	0.0760 - 0.0100	.2153	----	----	----	----	56	UNCH
3650	----	----	----	----	0.0606 - 0.0081	.1760	----	----	----	----	168	UNCH
3750	----	----	----	----	0.0521 - 0.0072	.1538	----	----	----	----	672	UNCH
3900	----	----	----	----	0.0416 - 0.0062	.1257	----	----	----	----	392	UNCH
4000	----	----	----	----	0.0360 - 0.0057	.1101	----	----	----	----	112	UNCH
TOTAL												1420
MAR18												
3100	----	----	----	----	0.1388 - 0.0142	.3282	----	----	----	----	20	UNCH
TOTAL												20
APR18												
3100	----	----	----	----	0.0162 - 0.0009	.0831	----	----	----	----	20	UNCH
TOTAL												20
MAY18												



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GLOBEX OPEN	OPEN OUTCRY OPEN RANGE	GLOBEX HIGH/LOW	OPEN OUTCRY HIGH/LOW	OPEN OUTCRY CLOSE RANGE	SETT.PRICE & PT.CHGE.	DELTA	EXER CISES	OPEN OUTCRY VOLUME	GLOBEX® VOLUME	PNT VOLUME	OPEN INTEREST
PJ CALL SAN JUAN PIPE OPTION											
MAY18											
3100	----	----	----	----	0.0096 - 0.0015	.0573	----	----	----	----	20 UNCH
TOTAL											20
JUN18											
3100	----	----	----	----	0.0142 - 0.0008	.0769	----	----	----	----	20 UNCH
TOTAL											20
DEC18											
3400	----	----	----	----	0.1216 + 0.0005	.2928	----	----	----	----	124 UNCH
3750	----	----	----	----	0.0679 - 0.0002	.1837	----	----	----	----	124 UNCH
TOTAL											248
JAN19											
3400	----	----	----	----	0.1862 + 0.0021	.3581	----	----	----	----	124 UNCH
3750	----	----	----	----	0.1323 + 0.0011	.2665	----	----	----	----	124 UNCH
TOTAL											248
FEB19											
3400	----	----	----	----	0.2010 + 0.0030	.3623	----	----	----	----	112 UNCH
3750	----	----	----	----	0.1469 + 0.0022	.2770	----	----	----	----	112 UNCH
TOTAL											224
PJ PUT SAN JUAN PIPE OPTION											
DEC17											
2550	----	----	----	----	0.0300 + 0.0033	.2379	----	----	----	----	12 UNCH
2850	----	----	----	----	0.2017 + 0.0219	.7645	----	----	----	----	32 UNCH
TOTAL											44
JAN18											
2650	----	----	----	----	0.0916 + 0.0103	.3109	----	----	----	----	20 UNCH
TOTAL											20
FEB18											
2650	----	----	----	----	0.1525 + 0.0073	.3502	----	----	----	----	20 UNCH
TOTAL											20
MAR18											
2650	----	----	----	----	0.2760 + 0.0063	.4603	----	----	----	----	20 UNCH
TOTAL											20
APR18											
2650	----	----	----	----	0.3797 - 0.0002	.7234	----	----	----	----	20 UNCH
TOTAL											20
MAY18											
2650	----	----	----	----	0.3889 - 0.0043	.7539	----	----	----	----	20 UNCH
TOTAL											20
JUN18											
2650	----	----	----	----	0.3740 - 0.0062	.7164	----	----	----	----	20 UNCH
TOTAL											20
8H CALL SINGAPORE FUEL OIL 380 APO											
NOV17											
31000	----	----	----	----	53.47 - 1.05	.9999	----	----	----	----	50 UNCH
TOTAL											50
DEC17											
31000	----	----	----	----	48.39 - 2.68	.9519	----	----	----	----	50 UNCH
TOTAL											50
M2 CALL SINGAPORE GASOIL CALENDAR APO											
NOV17											
8000	----	----	----	----	0.00 UNCH	.0011	----	----	----	----	25 UNCH
TOTAL											25
DEC17											
8000	----	----	----	----	0.07 - 0.01	.0400	----	----	----	----	25 UNCH
TOTAL											25
N2 CALL SINGAPORE JET FUEL CALENDAR APO											
NOV17											
8300	----	----	----	----	0.00 UNCH	.0009	----	----	----	----	40 UNCH
TOTAL											40
DEC17											
8300	----	----	----	----	0.08 - 0.02	.0395	----	----	----	----	40 UNCH
TOTAL											40
U16 CALL U16 SHORT TERM NG OPTIONS											
NOV17											
310	----	----	----	----	0.0000 - 0.0151	----	----	----	----	----	0 - 150
312	----	----	----	----	0.0000 - 0.0114	----	----	----	----	----	0 - 50
315	----	----	----	----	0.0000 - 0.0109	----	----	----	----	----	0 - 200
TOTAL											0 - 400
U16 PUT U16 SHORT TERM NG OPTIONS											
NOV17											
302	----	----	----	----	0.0000 - 0.0204	----	----	----	----	----	0 - 100
305	----	----	----	----	0.0000 - 0.0240	----	----	----	----	----	0 - 25
307	----	----	----	----	0.0220 - 0.0046	1.0000	40	----	----	----	0 - 40
TOTAL											0 - 165
U17 CALL U17 SHORT TERM NG OPTIONS											
NOV17											
307	----	----	----	----	0.0219 NEW	.3510	----	----	----	50	50 + 50
310	0.0100	0.0100	#0.0100B/*0.0	#0.0100B/*0.0	0.0137 NEW	.2050	----	----	3	575	575 + 575
315	----	----	----	----	0.0044 NEW	.0443	----	----	----	150	150 + 150
327	----	----	----	----	0.0001 - 0.0018	.0000	----	----	----	100	100 UNCH
TOTAL									3	775	875 + 775
U17 PUT U17 SHORT TERM NG OPTIONS											
NOV17											
302	----	----	----	----	0.0194 NEW	.3044	----	----	----	50	50 + 50
305	0.0300	0.0300	#0.0300/*0.021	#0.0300/*0.021	0.0301 NEW	.4749	----	----	30	----	25 + 25
TOTAL									30	50	75 + 75
U20 CALL U20 SHORT TERM NG OPTIONS											
NOV17											
320	----	----	----	----	0.0072 - 0.0071	.0958	----	----	----	----	100 UNCH
TOTAL											100



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## OPTIONS EOO'S AND BLOCKS

PRODUCT	STRIKE PRICE	E00 VOLUME	BLOCK VOLUME
LO CALL NYMEX CRUDE OIL OPTIONS (PHY)			
JAN18 CALL			
LO	5700	0	500
LO	6000	0	300
LO	6100	0	500
LO	6400	0	400
TOTALS		0	1700
FEB18 CALL			
LO	5550	0	100
LO	5900	0	1000
LO	6000	0	250
TOTALS		0	1350
MAR18 CALL			
LO	5550	0	50
LO	6000	0	300
LO	6500	0	100
TOTALS		0	450
APR18 CALL			
LO	6000	0	300
TOTALS		0	300
MAY18 CALL			
LO	6500	0	500
TOTALS		0	500
JUN18 CALL			
LO	6000	0	100
TOTALS		0	100
DEC19 CALL			
LO	5200	0	850
TOTALS		0	850
DEC20 CALL			
LO	5100	0	600
TOTALS		0	600
LO PUT NYMEX CRUDE OIL OPTIONS (PHY)			
JAN18 PUT			
LO	5000	0	3500
LO	5200	0	250
LO	5400	0	200
LO	5500	0	300
TOTALS		0	4250
FEB18 PUT			
LO	4500	0	300
LO	5000	0	300
TOTALS		0	600
MAR18 PUT			
LO	4500	0	3000
LO	4800	0	100
LO	5550	0	50
TOTALS		0	3150
APR18 PUT			
LO	5500	0	300
TOTALS		0	300
SEP18 PUT			
LO	3500	0	100
LO	4500	0	200
LO	5500	0	100
TOTALS		0	400
DEC18 PUT			
LO	4500	0	50
TOTALS		0	50
JUN19 PUT			
LO	4500	0	50
TOTALS		0	50
OH CALL NYMEX HEATING OIL (PHY) OPTIONS			
FEB18 CALL			
OH	17000	0	100
TOTALS		0	100
JUN18 CALL			
OH	20000	0	200
TOTALS		0	200
OH PUT NYMEX HEATING OIL (PHY) OPTIONS			
MAR18 PUT			
OH	18000	0	200
OH	19000	0	200
TOTALS		0	400
JUN18 PUT			
OH	17000	0	300
TOTALS		0	300
OB CALL NYMEX RBOB (PHY) OPTIONS			
JAN18 CALL			
OB	19000	0	100
TOTALS		0	100
MAR18 CALL			
OB	16000	0	50
OB	17400	0	50
TOTALS		0	100
OB PUT NYMEX RBOB (PHY) OPTIONS			
DEC17 PUT			
OB	17000	0	200
TOTALS		0	200
JAN18 PUT			
OB	15000	0	100
TOTALS		0	100
FEB18 PUT			
OB	16500	0	200
TOTALS		0	200
WA CALL WTI CRUDE OIL 1MO CAL SPRD OPTIONS			

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JAN18	CALL			
WA		0	0	2000
TOTALS			0	2000

WA PUT	WTI CRUDE OIL	IMO CAL	SPRD	OPTIONS
JAN18	PUT			
WA		-15	0	1000
TOTALS			0	1000
FEB18	PUT			
WA		-15	0	1000
TOTALS			0	1000
MAR18	PUT			
WA		-15	0	1000
TOTALS			0	1000
APR18	PUT			
WA		-15	0	1000
TOTALS			0	1000
MAY18	PUT			
WA		-15	0	1000
TOTALS			0	1000
JUN18	PUT			
WA		-15	0	1000
TOTALS			0	1000

LC CALL	NYMEX CRUDE OIL (EURO)	OPTS (PHY)
JAN19	CALL	
LC	10000	0
LC	11000	0
TOTALS		0
FEB19	CALL	
LC	10000	0
LC	11000	0
TOTALS		0
MAR19	CALL	
LC	10000	0
LC	11000	0
TOTALS		0
APR19	CALL	
LC	10000	0
LC	11000	0
TOTALS		0
MAY19	CALL	
LC	10000	0
LC	11000	0
TOTALS		0
JUN19	CALL	
LC	10000	0
LC	11000	0
TOTALS		0
JUL19	CALL	
LC	10000	0
LC	11000	0
TOTALS		0
AUG19	CALL	
LC	10000	0
LC	11000	0
TOTALS		0
SEP19	CALL	
LC	10000	0
LC	11000	0
TOTALS		0
OCT19	CALL	
LC	10000	0
LC	11000	0
TOTALS		0
NOV19	CALL	
LC	10000	0
LC	11000	0
TOTALS		0
DEC19	CALL	
LC	10000	0
LC	11000	0
TOTALS		0
DEC20	CALL	
LC	6500	0
TOTALS		0

LN CALL	NYMEX NATURAL GAS (EURO)	OPTS
DEC17	CALL	
LN	3100	0
LN	3150	0
LN	3250	0
LN	3350	0
LN	3400	0
LN	3500	0
TOTALS		0
JAN18	CALL	
LN	3250	0
LN	3400	0
TOTALS		0
FEB18	CALL	
LN	3300	0
LN	3400	0
LN	3500	0
LN	3850	0
LN	4000	0
LN	4500	0
TOTALS		0
MAR18	CALL	
LN	3400	0
LN	3500	0
LN	4000	0
LN	4250	0
LN	4500	0
TOTALS		0
APR18	CALL	
LN	3350	0
LN	4500	0



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TOTALS		0	1625
MAY18	CALL		
LN		2900	0
LN		3100	0
TOTALS		0	200
JUL18	CALL		
LN		3400	0
LN		3500	0
TOTALS		0	710
JAN21	CALL		
LN		2850	0
TOTALS		0	25
FEB21	CALL		
LN		2850	0
TOTALS		0	25
MAR21	CALL		
LN		2850	0
TOTALS		0	25
APR21	CALL		
LN		2850	0
TOTALS		0	25
MAY21	CALL		
LN		2850	0
TOTALS		0	25
JUN21	CALL		
LN		2850	0
TOTALS		0	25
JUL21	CALL		
LN		2850	0
TOTALS		0	25
AUG21	CALL		
LN		2850	0
TOTALS		0	25
SEP21	CALL		
LN		2850	0
TOTALS		0	25
OCT21	CALL		
LN		2850	0
TOTALS		0	25
NOV21	CALL		
LN		2850	0
TOTALS		0	25
DEC21	CALL		
LN		2850	0
TOTALS		0	25

NYMEX NATURAL GAS (EURO) OPTS			
LN	PUT		
DEC17	PUT		
LN		2950	0
LN		3000	0
LN		3100	0
TOTALS		0	1335
JAN18	PUT		
LN		3000	0
TOTALS		0	1250
FEB18	PUT		
LN		3000	0
TOTALS		0	800
MAR18	PUT		
LN		2500	0
LN		2750	0
LN		3000	0
TOTALS		0	1350
APR18	PUT		
LN		2150	0
LN		2350	0
LN		2550	0
LN		2700	0
LN		2750	0
TOTALS		0	1725
MAY18	PUT		
LN		2500	0
LN		2900	0
TOTALS		0	300
JUL18	PUT		
LN		2750	0
TOTALS		0	700
OCT18	PUT		
LN		2500	0
LN		2750	0
TOTALS		0	100
NOV18	PUT		
LN		2750	0
TOTALS		0	500
JAN21	PUT		
LN		2850	0
TOTALS		0	25
FEB21	PUT		
LN		2850	0
TOTALS		0	25
MAR21	PUT		
LN		2850	0
TOTALS		0	25
APR21	PUT		
LN		2850	0
TOTALS		0	25
MAY21	PUT		
LN		2850	0
TOTALS		0	25
JUN21	PUT		
LN		2850	0
TOTALS		0	25
JUL21	PUT		
LN		2850	0
TOTALS		0	25

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PG63 BULLETIN #222@

ENERGY OPTIONS

Thu, Nov 16, 2017 PG63

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TOTALS			0	25
AUG21	PUT			
LN		2850	0	25
TOTALS			0	25
SEP21	PUT			
LN		2850	0	25
TOTALS			0	25
OCT21	PUT			
LN		2850	0	25
TOTALS			0	25
NOV21	PUT			
LN		2850	0	25
TOTALS			0	25
DEC21	PUT			
LN		2850	0	25
TOTALS			0	25

KD CALL		NYMEX ONE DAY NATURAL GAS OPTIONS		
NOV17	CALL			
KD		3075	0	150
KD		3100	0	50
KD		3125	0	150
KD		3150	0	25
KD		3175	0	100
TOTALS			0	475

KD PUT		NYMEX ONE DAY NATURAL GAS OPTIONS		
NOV17	PUT			
KD		3050	0	380
KD		3075	0	25
TOTALS			0	405

BV CALL		WTI-BRENT SPREAD OPTION		
DEC18	CALL			
BV		-400	0	2250
BV		-200	0	4500
TOTALS			0	6750

BV PUT		WTI-BRENT SPREAD OPTION		
DEC18	PUT			
BV		-500	0	100
TOTALS			0	100

AO CALL		CRUDE OIL APO OPTIONS		
JAN18	CALL			
AO		5625	0	2
AO		6700	0	100
AO		6900	0	200
TOTALS			0	302

FEB18	CALL			
AO		5625	0	2
AO		6700	0	100
AO		6900	0	200
TOTALS			0	302

MAR18	CALL			
AO		5625	0	2
AO		6700	0	100
AO		6900	0	200
TOTALS			0	302

APR18	CALL			
AO		5625	0	2
AO		7300	0	450
TOTALS			0	452

MAY18	CALL			
AO		5625	0	2
AO		7300	0	450
TOTALS			0	452

JUN18	CALL			
AO		5625	0	2
AO		7300	0	450
TOTALS			0	452

JUL18	CALL			
AO		2000	0	200
AO		5625	0	2
TOTALS			0	202

AUG18	CALL			
AO		5625	0	2
TOTALS			0	2

SEP18	CALL			
AO		5625	0	2
TOTALS			0	2

OCT18	CALL			
AO		5625	0	2
TOTALS			0	2

NOV18	CALL			
AO		5625	0	2
TOTALS			0	2

DEC18	CALL			
AO		5625	0	2
TOTALS			0	2

AO PUT		CRUDE OIL APO OPTIONS		
JAN18	PUT			
AO		5200	0	2
TOTALS			0	2

FEB18	PUT			
AO		5200	0	2
TOTALS			0	2

MAR18	PUT			
AO		5200	0	2
TOTALS			0	2

APR18	PUT			
AO		5200	0	2
TOTALS			0	2

MAY18	PUT			
AO		5200	0	2
TOTALS			0	2



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JUN18	PUT				
AO		5200	0		2
TOTALS			0		2
JUL18	PUT				
AO		5200	0		2
AO		12000	0		200
TOTALS			0		202
AUG18	PUT				
AO		5200	0		2
TOTALS			0		2
SEP18	PUT				
AO		5200	0		2
TOTALS			0		2
OCT18	PUT				
AO		5200	0		2
TOTALS			0		2
NOV18	PUT				
AO		5200	0		2
TOTALS			0		2
DEC18	PUT				
AO		5200	0		2
TOTALS			0		2

7A CALL		WTI CRUDE OIL	1 M CSO FIN		
DEC17	CALL				
7A		-20	0		1500
TOTALS			0		1500
JUL18	CALL				
7A		75	0		250
TOTALS			0		250
AUG18	CALL				
7A		75	0		250
TOTALS			0		250
SEP18	CALL				
7A		75	0		250
TOTALS			0		250
OCT18	CALL				
7A		75	0		250
TOTALS			0		250
NOV18	CALL				
7A		75	0		250
TOTALS			0		250
DEC18	CALL				
7A		75	0		250
TOTALS			0		250

7A PUT		WTI CRUDE OIL	1 M CSO FIN		
DEC17	PUT				
7A		-20	0		1000
TOTALS			0		1000
JUL18	PUT				
7A		-15	0		250
7A		20	0		250
TOTALS			0		500
AUG18	PUT				
7A		-15	0		250
7A		20	0		250
TOTALS			0		500
SEP18	PUT				
7A		-15	0		250
7A		20	0		250
TOTALS			0		500
OCT18	PUT				
7A		-15	0		250
7A		20	0		250
TOTALS			0		500
NOV18	PUT				
7A		-15	0		250
7A		20	0		250
TOTALS			0		500
DEC18	PUT				
7A		-15	0		250
7A		20	0		250
TOTALS			0		500

G4 CALL		NATURAL GAS 1 M CSO FIN			
MAR18	CALL				
G4		250	0		2050
G4		1000	0		50
G4		1500	0		1000
TOTALS			0		3100

G4 PUT		NATURAL GAS 1 M CSO FIN			
MAR18	PUT				
G4		0	0		200
TOTALS			0		200

G3 CALL		NATURAL GAS 3 M CSO FIN			
OCT18	CALL				
G3		-200	0		1500
TOTALS			0		1500

G3 PUT		NATURAL GAS 3 M CSO FIN			
OCT18	PUT				
G3		-350	0		1500
TOTALS			0		1500

E7 CALL		HENRY HUB FINANCIAL LAST DAY 0			
DEC17	CALL				
E7		375	0		2
TOTALS			0		2

JAN18	CALL				
E7		325	0		4
E7		375	0		4
TOTALS			0		8

FEB18	CALL				
E7		325	0		4



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E7		375	0	7
TOTALS			0	11
MAR18	CALL			
E7		325	0	4
E7		375	0	4
TOTALS			0	8
APR18	CALL			
E7		300	0	3
E7		325	0	4
TOTALS			0	7
MAY18	CALL			
E7		300	0	5
E7		325	0	4
TOTALS			0	9
JUN18	CALL			
E7		300	0	7
E7		325	0	4
TOTALS			0	11
JUL18	CALL			
E7		300	0	6
E7		325	0	4
TOTALS			0	10
AUG18	CALL			
E7		300	0	6
E7		325	0	4
TOTALS			0	10
SEP18	CALL			
E7		300	0	6
E7		325	0	4
TOTALS			0	10
OCT18	CALL			
E7		300	0	2
E7		325	0	4
TOTALS			0	6
NOV18	CALL			
E7		325	0	4
E7		375	0	6
TOTALS			0	10
DEC18	CALL			
E7		325	0	4
E7		375	0	4
TOTALS			0	8
JAN19	CALL			
E7		375	0	6
TOTALS			0	6
FEB19	CALL			
E7		375	0	5
TOTALS			0	5
MAR19	CALL			
E7		375	0	6
TOTALS			0	6
APR19	CALL			
E7		300	0	3
TOTALS			0	3
MAY19	CALL			
E7		300	0	6
TOTALS			0	6
JUN19	CALL			
E7		300	0	6
TOTALS			0	6
JUL19	CALL			
E7		300	0	7
TOTALS			0	7
AUG19	CALL			
E7		300	0	7
TOTALS			0	7
SEP19	CALL			
E7		300	0	5
TOTALS			0	5
OCT19	CALL			
E7		300	0	5
TOTALS			0	5
NOV19	CALL			
E7		300	0	6
TOTALS			0	6
E7	PUT			
JAN18	PUT			
E7		280	0	4
TOTALS			0	4
FEB18	PUT			
E7		280	0	4
TOTALS			0	4
MAR18	PUT			
E7		280	0	4
TOTALS			0	4
APR18	PUT			
E7		280	0	4
TOTALS			0	4
MAY18	PUT			
E7		280	0	4
TOTALS			0	4
JUN18	PUT			
E7		280	0	4
TOTALS			0	4
JUL18	PUT			
E7		280	0	4
TOTALS			0	4
AUG18	PUT			
E7		200	0	2
E7		280	0	4
TOTALS			0	6
SEP18	PUT			
E7		200	0	2
E7		280	0	4





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TOTALS		0	6
OCT18 PUT			
E7	280	0	4
TOTALS		0	4
NOV18 PUT			
E7	200	0	2
E7	280	0	4
TOTALS		0	6
DEC18 PUT			
E7	280	0	4
TOTALS		0	4
FEB19 PUT			
E7	200	0	2
TOTALS		0	2
MAR19 PUT			
E7	200	0	3
TOTALS		0	3
APR19 PUT			
E7	200	0	1
TOTALS		0	1
MAY19 PUT			
E7	200	0	2
TOTALS		0	2
JUN19 PUT			
E7	200	0	2
TOTALS		0	2
JUL19 PUT			
E7	200	0	3
TOTALS		0	3
AUG19 PUT			
E7	200	0	3
TOTALS		0	3
SEP19 PUT			
E7	200	0	2
TOTALS		0	2
OCT19 PUT			
E7	200	0	2
TOTALS		0	2
NOV19 PUT			
E7	200	0	3
TOTALS		0	3
ZA CALL	RBOB 1 MO CAL SPD OPTIONS		
JAN18 CALL			
ZA	-50	0	50
TOTALS		0	50
ZA PUT	RBOB 1 MO CAL SPD OPTIONS		
JAN18 PUT			
ZA	-50	0	50
TOTALS		0	50
CVR CALL	CHICAGO ETHANOL (PLATTS) APO		
DEC17 CALL			
CVR	14500	0	10
CVR	15000	0	100
TOTALS		0	110
JAN18 CALL			
CVR	14500	0	40
CVR	15000	0	10
TOTALS		0	50
FEB18 CALL			
CVR	15000	0	70
TOTALS		0	70
MAR18 CALL			
CVR	15000	0	10
TOTALS		0	10
CVR PUT	CHICAGO ETHANOL (PLATTS) APO		
DEC17 PUT			
CVR	13500	0	100
TOTALS		0	100
JAN18 PUT			
CVR	13000	0	10
CVR	14000	0	50
TOTALS		0	60
FEB18 PUT			
CVR	13000	0	35
CVR	14000	0	10
TOTALS		0	45
MAR18 PUT			
CVR	14000	0	10
TOTALS		0	10
U17 PUT	U17 SHORT TERM NG OPTIONS		
NOV17 PUT			
U17	302	0	50
TOTALS		0	50
U17 CALL	U17 SHORT TERM NG OPTIONS		
NOV17 CALL			
U17	307	0	50
U17	310	0	575
U17	315	0	150
TOTALS		0	775
PMA OOF	PJM WEST HUB REAL-TIME PK CAL 50 MW		
DEC17 CALL			
PMA	3700	0	60
TOTALS		0	60
BZO CALL	BRENT CRUDE OIL FUT MARGIN OPT		
JAN18 CALL			
BZO	6200	0	600
BZO	6300	0	300
TOTALS		0	900
FEB18 CALL			

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## FINAL

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BZO	7000	0	800
TOTALS		0	800

BZO	PUT	BRENT CRUDE OIL	FUT	MARGIN	OPT	
JAN18	PUT					
BZO		5750		0		800
BZO		5900		0		400
BZO		6000		0		300
TOTALS				0		1500

BZO	PUT				
FEB18	PUT				
BZO		5000		0	800
BZO		5700		0	650
BZO		6000		0	300
TOTALS				0	1750