

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

PG61 BULLETIN #222@ ENERGY FUTURES PRODUCTS Thu, Nov 16, 2017 PG61

THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC) 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 CLEARED 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.

CORE FUTURES PRODUCTS

CL FUT	NYMEX CRUDE OIL (PHYSICAL)	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
DEC17		55.30	55.62 /54.93	55.14 - 0.19	209336	4587	91396 - 37427
JAN18		55.51	55.83 /55.15	55.35 - 0.17	436983	1944	579065 + 15866
FEB18		55.63	55.95 /55.30	55.49 - 0.17	97647	1934	193140 + 6948
MAR18		55.79	56.06 /55.43A	55.60 - 0.19	69231	983	287699 - 822
APR18		55.82	56.11 /55.53A	55.69 - 0.18	38476	602	127474 - 4264
MAY18		55.90	56.08 /55.53	55.67 - 0.19	27815	831	103378 + 3404
JUN18		55.76	55.96 /55.41	55.57 - 0.19	62715	1829	233871 - 1780
JUL18		55.67	55.69 /55.23A	55.37 - 0.19	9268	----	58978 + 2027
AUG18		55.18	55.48 /55.00	55.12 - 0.19	4355	----	54374 + 468
SEP18		55.08	55.20 /54.71	54.85 - 0.20	7312	611	73963 - 54
OCT18		54.76	54.80 /54.47	54.57 - 0.21	3146	300	52500 + 407
NOV18		54.51	54.59 /54.18	54.30 - 0.21	2130	----	51542 + 41
DEC18		54.15	54.39 /53.93	54.03 - 0.22	49590	1223	260418 + 434
JAN19		----	----	53.74 - 0.22	2029	350	39822 + 554
FEB19		----	53.54A	53.47 - 0.22	5842	250	21480 + 3158
MAR19		----	----	53.22 - 0.23	8180	250	27798 - 2261
APR19		----	----	52.98 - 0.24	2094	----	8892 + 106
MAY19		----	52.87A	52.76 - 0.25	2032	----	13480 - 1015
JUN19		52.80	52.90 /52.47	52.57 - 0.25	5182	109	63730 + 205
JUL19		----	----	52.36 - 0.27	630	----	10000 - 201
AUG19		----	----	52.18 - 0.28	103	----	5253 + 85
SEP19		----	52.07A	52.04 - 0.28	62	----	11499 UNCH
OCT19		----	----	51.93 - 0.29	174	----	6896 + 134
NOV19		----	----	51.81 - 0.30	336	----	5537 + 288
DEC19		52.00	52.14 /51.61	51.73 - 0.30	11197	553	82051 + 336
JAN20		----	----	51.59 - 0.30	131	----	3427 - 5
FEB20		----	----	51.46 - 0.28	23	----	1782 + 1
MAR20		----	----	51.33 - 0.29	12	----	2057 - 10
APR20		----	----	51.21 - 0.30	----	----	499 UNCH
MAY20		----	----	51.07 - 0.33	----	----	232 UNCH
JUN20		51.34	51.34 /50.92A	50.99 - 0.33	523	----	6992 + 116
JUL20		----	----	50.89 - 0.33	----	----	440 UNCH
AUG20		----	----	50.84 - 0.32	----	----	497 UNCH
SEP20		----	----	50.74 - 0.38	----	----	2259 UNCH
OCT20		----	----	50.67 - 0.40	----	----	101 UNCH
NOV20		----	----	50.59 - 0.41	----	----	460 UNCH
DEC20		51.00	51.15 /50.46A	50.54 - 0.43	2597	390	29018 + 70
JAN21		----	----	50.44 - 0.44	----	----	280 UNCH
MAR21		----	----	50.34 - 0.46	----	----	900 UNCH
JUN21		----	----	50.21 - 0.50	----	----	695 UNCH
JUL21		----	----	50.16 - 0.51	----	----	2 UNCH
OCT21		----	----	50.05 - 0.55	----	----	1 UNCH
DEC21		----	----	50.02 - 0.56	591	----	8585 + 402
DEC22		----	50.32A	50.13 - 0.65	26	----	1391 + 9
DEC23		----	----	50.41 - 0.89	24	----	135 UNCH
DEC24		51.00	51.00 /51.00	50.91 - 1.03	26	----	30 + 6
DEC25		51.70	51.70 /51.35A	51.18 - 1.25	15	----	20 + 14
TOTAL CL FUT					1059833	16746	2524039 - 12760
HO FUT	NYMEX HEATING OIL (PHYSICAL)						
DEC17		1.9083	1.9167 /1.8946	1.9021 - 0.0066	43369	6353	73403 - 7741
JAN18		1.9130	1.9196 /1.8983	1.9053 - 0.0067	35567	2881	121887 + 5302
FEB18		1.9091	1.9173B/1.8969A	1.9037 - 0.0068	16219	225	53073 + 994
MAR18		1.9018	1.9074 /1.8874	1.8939 - 0.0072	13089	974	50520 + 1108
APR18		1.8886	1.8905 /1.8711A	1.8768 - 0.0077	6992	97	37941 + 289
MAY18		1.8708	1.8771B/1.8597A	1.8650 - 0.0084	3468	----	23375 + 42
JUN18		1.8700	1.8709 /1.8517A	1.8560 - 0.0092	4136	960	34422 - 286
JUL18		1.8675	1.8675 /1.8487A	1.8527 - 0.0095	721	----	7598 + 114
AUG18		1.8519	1.8642B/1.8467A	1.8500 - 0.0096	345	----	3703 + 41
SEP18		1.8515	1.8620B/1.8459A	1.8497 - 0.0094	534	100	6324 + 123
OCT18		1.8534	1.8634B/1.8477A	1.8514 - 0.0092	309	25	3348 + 114
NOV18		1.8554	1.8661B/1.8506A	1.8537 - 0.0089	68	----	2372 + 18
DEC18		1.8535	1.8678B/1.8516	1.8551 - 0.0090	616	----	24527 + 229
JAN19		----	----	1.8562 - 0.0092	25	----	2413 + 22
FEB19		----	----	1.8518 - 0.0094	2	----	274 - 2
MAR19		----	----	1.8410 - 0.0095	1	----	229 + 1
APR19		----	----	1.8241 - 0.0095	----	----	195 UNCH
MAY19		1.8251	1.8251 /1.8251	1.8155 - 0.0097	1	----	538 + 1
JUN19		----	----	1.8111 - 0.0096	3	----	3593 + 2
JUL19		1.8201	1.8201 /1.8201	1.8112 - 0.0096	1	----	248 + 1
AUG19		1.8221	1.8221 /1.8221	1.8132 - 0.0096	2	----	62 + 1
SEP19		1.8271	1.8271 /1.8271	1.8182 - 0.0096	1	----	55 + 1
OCT19		1.8321	1.8321 /1.8321	1.8232 - 0.0096	1	----	59 + 1
NOV19		1.8381	1.8381 /1.8381	1.8297 - 0.0096	2	----	49 UNCH
DEC19		----	1.8436A	1.8362 - 0.0096	----	----	2806 UNCH
JAN20		----	----	1.8410 - 0.0096	----	----	15 UNCH
FEB20		----	----	1.8428 - 0.0096	----	----	9 UNCH
MAR20		----	----	1.8391 - 0.0096	----	----	10 UNCH
APR20		----	----	1.8294 - 0.0096	----	----	5 UNCH
MAY20		----	----	1.8237 - 0.0096	----	----	5 UNCH
JUN20		----	----	1.8216 - 0.0096	----	----	18 UNCH
JUL20		----	----	1.8239 - 0.0096	----	----	3 UNCH
AUG20		----	----	1.8267 - 0.0096	----	----	4 UNCH
SEP20		----	----	1.8295 - 0.0096	----	----	3 UNCH
OCT20		----	----	1.8313 - 0.0096	----	----	3 UNCH
NOV20		----	----	1.8321 - 0.0096	----	----	2 UNCH
DEC20		----	----	1.8339 - 0.0096	----	----	385 UNCH
TOTAL HO FUT					125472	11615	453476 + 375
RB FUT	NYMEX NY HARBOR GAS (RBOB) (PHY)						
DEC17		1.7324	1.7430 /1.7121	1.7137 - 0.0251	47813	6579	82592 - 5813
JAN18		1.7311	1.7365 /1.7106	1.7117 - 0.0213	52131	3906	170441 + 5369
FEB18		1.7340	1.7402 /1.7167	1.7177 - 0.0192	18063	2157	38387 + 548
MAR18		1.7464	1.7549 /1.7317	1.7332 - 0.0185	13312	1453	53666 + 741
APR18		1.9101	1.9181 /1.8972	1.8988 - 0.0166	10378	1157	30860 + 2413

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
BZ FUT NYMEX BRENT OIL LAST DAY FUTURES						
MAR18	61.66	61.78B/61.12A	61.13 - 0.44	6353	710	12699 + 94
APR18	61.17	61.50B/61.03A	60.98 - 0.43	2707	10	9016 + 52
MAY18	----	----	60.85 - 0.42	1566	210	6291 + 129
JUN18	61.20	61.29B/60.76	60.70 - 0.42	4463	10	16719 + 251
JUL18	----	----	60.55 - 0.40	714	10	2937 - 13
AUG18	----	----	60.36 - 0.40	475	10	4013 - 4
SEP18	----	----	60.13 - 0.41	426	10	5016 + 57
OCT18	----	----	59.88 - 0.41	386	10	2368 - 7
NOV18	----	----	59.61 - 0.41	380	1010	4460 + 980
DEC18	59.84	59.84 /59.31	59.34 - 0.42	3074	10	29000 + 223
JAN19	----	----	59.11 - 0.41	492	----	1736 + 123
FEB19	----	----	58.92 - 0.40	71	----	1768 + 11
MAR19	----	----	58.73 - 0.41	37	----	989 - 6
APR19	----	----	58.58 - 0.42	7	----	726 + 1
MAY19	----	----	58.41 - 0.42	----	----	459 UNCH
JUN19	----	----	58.20 - 0.42	194	----	2202 - 43
JUL19	----	----	58.07 - 0.43	----	----	306 UNCH
AUG19	----	----	57.91 - 0.43	----	----	282 UNCH
SEP19	----	----	57.77 - 0.43	----	----	1014 UNCH
OCT19	----	----	57.68 - 0.43	----	----	282 UNCH
NOV19	----	----	57.52 - 0.44	----	----	289 UNCH
DEC19	57.86	57.86 /57.41	57.35 - 0.43	528	----	8454 + 127
JAN20	----	----	57.23 - 0.43	----	----	20 UNCH
JUN20	----	----	56.81 - 0.48	----	----	6 UNCH
DEC20	----	----	56.38 - 0.54	65	----	483 - 2
DEC21	----	----	56.05 - 0.65	----	----	47 UNCH
DEC22	----	----	56.21 - 0.73	----	----	10 UNCH
TOTAL BZ FUT				67954	3994	146861 + 2942
7F FUT EUROPEAN GASOIL ICE FUTURE						
DEC17	552.45	553.45 /552.45	555.75 - 0.25	41	----	265 + 19
JAN18	----	----	556.50 - 0.50	40	----	290 + 32
FEB18	----	----	557.25 - 0.50	31	----	119 + 31
MAR18	----	----	555.75 - 0.75	20	----	117 - 2
APR18	----	----	553.25 - 1.25	----	----	63 UNCH
MAY18	----	----	551.25 - 1.25	----	----	41 UNCH
JUN18	----	----	549.25 - 1.00	----	----	37 UNCH
DEC18	----	----	543.50 - 0.75	----	----	2 UNCH
TOTAL 7F FUT				132		934 + 80
QM FUT E-MINI CRUDE OIL FUTURES						
DEC17	55.300	55.625 /54.950	55.140 - 0.190	8049	----	1789 - 188
JAN18	55.450	55.825 /55.150	55.350 - 0.170	2809	----	2617 + 454
FEB18	55.675	55.950 /55.350	55.490 - 0.170	50	----	517 + 10
MAR18	55.425	55.525B/55.425	55.600 - 0.190	3	----	41 + 1
APR18	55.650	55.650 /55.650	55.690 - 0.180	10	----	50 UNCH
MAY18	----	----	55.670 - 0.190	----	----	80 UNCH
JUN18	----	----	55.570 - 0.190	----	----	13 UNCH
JUL18	----	----	55.370 - 0.190	----	----	18 UNCH
AUG18	----	----	55.120 - 0.190	----	----	74 UNCH
SEP18	----	----	54.850 - 0.200	----	----	42 UNCH
OCT18	----	----	54.570 - 0.210	----	----	28 UNCH
NOV18	----	----	54.300 - 0.210	----	----	1 UNCH
DEC18	----	----	54.030 - 0.220	----	----	103 UNCH
FEB19	----	----	53.470 - 0.220	----	----	1 UNCH
JUN19	----	----	52.570 - 0.250	----	----	1 UNCH
DEC19	----	----	51.730 - 0.300	----	----	16 UNCH
JUL20	----	----	50.890 - 0.330	----	----	1 UNCH
DEC20	----	----	50.540 - 0.430	----	----	5 UNCH
JUL21	----	----	50.160 - 0.510	----	----	1 UNCH
DEC21	----	----	50.020 - 0.560	----	----	4 UNCH
TOTAL QM FUT				10921		5402 + 277
QH FUT E-MINI HEATING OIL FUTURES						
DEC17	1.9020	1.9020 /1.9020	1.9021 - 0.0066	2	----	0 - 2
TOTAL QH FUT				2		0 - 2
QU FUT E-MINI GASOLINE FUTURES						
DEC17	1.7140	1.7140 /1.7140	1.7137 - 0.0251	1	----	1 UNCH
TOTAL QU FUT				1		1
QG FUT E-MINI NATURAL GAS						
DEC17	3.090	3.110 /3.045	3.053 - 0.027	1036	----	1260 + 41
JAN18	3.185	3.205 /3.150	3.153 - 0.026	158	----	453 + 10
FEB18	3.195	3.200 /3.145	3.155 - 0.025	15	----	172 + 4
MAR18	----	----	3.121 - 0.019	1	----	50 + 1
APR18	----	----	2.943 + 0.003	1	----	27 + 1
MAY18	----	----	2.928 + 0.008	----	----	22 UNCH
JUN18	----	----	2.956 + 0.009	----	----	9 UNCH
JUL18	----	----	2.987 + 0.010	----	----	4 UNCH
AUG18	----	----	2.990 + 0.010	----	----	4 UNCH
SEP18	----	----	2.974 + 0.010	----	----	8 UNCH
OCT18	----	----	3.000 + 0.011	----	----	9 UNCH
NOV18	----	----	3.054 + 0.012	----	----	6 UNCH
DEC18	----	----	3.191 + 0.015	----	----	12 UNCH
JAN19	----	----	3.274 + 0.017	----	----	7 UNCH
FEB19	----	----	3.243 + 0.017	----	----	2 UNCH
MAR19	----	----	3.169 + 0.019	----	----	4 UNCH
MAY19	----	----	2.760 + 0.018	----	----	2 UNCH
JUL19	----	----	2.804 + 0.017	----	----	2 UNCH
TOTAL QG FUT				1211		2053 + 57

CRUDE OIL FUTURES PRODUCTS

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
E5 FUT ARGUS LLS VS. WTI (ARG) TRD M						
DEC17	----	----	5.94 + 0.01	----	----	4787 UNCH
JAN18	----	----	5.40 + 0.04	----	115	5648 + 60

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ENERGY FUTURES PRODUCTS

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
WCC FUT CANADIAN HEAVY CRUDE(NET ENRGY) FUT								
FEB18	----	----	-15.700 - 0.150		----	----	230	UNCH
MAR18	----	----	-15.800 - 0.050		----	----	230	UNCH
APR18	----	----	-15.400 + 0.050		----	----	160	UNCH
MAY18	----	----	-14.650 + 0.050		----	----	160	UNCH
JUN18	----	----	-14.650 + 0.050		----	----	160	UNCH
JUL18	----	----	-15.000 - 0.150		----	----	160	UNCH
AUG18	----	----	-15.600 - 0.150		----	----	160	UNCH
SEP18	----	----	-15.600 - 0.150		----	----	160	UNCH
OCT18	----	----	-16.000 UNCH		----	----	160	UNCH
NOV18	----	----	-16.100 UNCH		----	----	160	UNCH
DEC18	----	----	-16.200 UNCH		----	----	160	UNCH
TOTAL WCC FUT							2810	
CIL FUT CANADIAN LIGHT SWEET OIL								
DEC17	----	----	-1.132 + 0.003		----	----	615	UNCH
JAN18	----	----	-1.650 + 0.200		----	----	7	UNCH
FEB18	----	----	-1.750 + 0.100		----	----	7	UNCH
MAR18	----	----	-1.850 UNCH		----	----	7	UNCH
APR18	----	----	-2.050 - 0.200		----	----	7	UNCH
MAY18	----	----	-1.900 - 0.050		----	----	7	UNCH
JUN18	----	----	-1.750 + 0.100		----	----	7	UNCH
JUL18	----	----	-1.950 - 0.050		----	----	7	UNCH
AUG18	----	----	-2.250 - 0.050		----	----	7	UNCH
SEP18	----	----	-2.550 - 0.050		----	----	7	UNCH
OCT18	----	----	-3.050 - 0.100		----	----	7	UNCH
NOV18	----	----	-3.100 - 0.100		----	----	7	UNCH
DEC18	----	----	-3.150 - 0.100		----	----	7	UNCH
TOTAL CIL FUT							699	
CSW FUT CLEARBROOK BAKKEN CRUDE OIL INDEX								
DEC17	----	----	2.356 UNCH		----	----	305	UNCH
JAN18	----	----	2.350 UNCH		----	----	180	UNCH
FEB18	----	----	1.650 UNCH		----	----	150	UNCH
MAR18	----	----	1.400 UNCH		----	----	150	UNCH
TOTAL CSW FUT							785	
FY FUT DATED TO FRONTLINE BRENT CLNDR								
NOV17	----	----	-0.22 UNCH		----	----	1100	UNCH
DEC17	----	----	-0.15 - 0.04		----	----	1600	UNCH
JAN18	----	----	-0.16 - 0.04		----	----	1165	UNCH
FEB18	----	----	-0.15 - 0.03		----	----	1165	UNCH
MAR18	----	----	-0.15 - 0.02		----	----	1365	UNCH
APR18	----	----	-0.15 - 0.02		----	----	515	UNCH
MAY18	----	----	-0.14 - 0.01		----	----	515	UNCH
JUN18	----	----	-0.14 - 0.01		----	----	515	UNCH
JUL18	----	----	-0.07 - 0.02		----	----	275	UNCH
AUG18	----	----	-0.07 - 0.02		----	----	275	UNCH
SEP18	----	----	-0.07 - 0.02		----	----	275	UNCH
OCT18	----	----	-0.08 - 0.02		----	----	150	UNCH
NOV18	----	----	-0.08 - 0.02		----	----	150	UNCH
DEC18	----	----	-0.08 - 0.02		----	----	150	UNCH
JAN19	----	----	-0.16 UNCH		----	----	265	UNCH
FEB19	----	----	-0.16 UNCH		----	----	265	UNCH
MAR19	----	----	-0.16 UNCH		----	----	265	UNCH
APR19	----	----	-0.21 - 0.01		----	----	265	UNCH
MAY19	----	----	-0.21 - 0.01		----	----	265	UNCH
JUN19	----	----	-0.21 - 0.01		----	----	265	UNCH
JUL19	----	----	-0.21 - 0.01		----	----	50	UNCH
AUG19	----	----	-0.21 - 0.01		----	----	50	UNCH
SEP19	----	----	-0.21 - 0.01		----	----	50	UNCH
OCT19	----	----	-0.21 - 0.01		----	----	50	UNCH
NOV19	----	----	-0.21 - 0.01		----	----	50	UNCH
DEC19	----	----	-0.21 - 0.01		----	----	50	UNCH
TOTAL FY FUT							11105	
DC FUT DUBAI CRUDE OIL CALENDAR								
NOV17	----	----	60.222 - 0.271		----	----	2510	UNCH
DEC17	----	----	59.173 - 0.607		----	----	6890	UNCH
JAN18	----	----	59.011 - 0.529		----	----	2600	UNCH
FEB18	----	----	58.930 - 0.489		----	----	100	UNCH
TOTAL DC FUT							12100	
UB FUT EUROPE DATED BRENT								
NOV17	----	----	61.79 - 0.25		----	----	300	UNCH
DEC17	----	----	61.12 - 0.51		----	----	75	UNCH
JAN18	----	----	60.96 - 0.48		----	----	137	UNCH
FEB18	----	----	60.82 - 0.46		----	----	75	UNCH
MAR18	----	----	60.69 - 0.44		----	----	75	UNCH
APR18	----	----	60.54 - 0.44		----	----	75	UNCH
MAY18	----	----	60.40 - 0.41		----	----	75	UNCH
JUN18	----	----	60.21 - 0.41		----	----	75	UNCH
JUL18	----	----	60.05 - 0.43		----	----	75	UNCH
TOTAL UB FUT							962	
GSW FUT GUERNSEY LIGHT SWEET CRUDE OIL FUT								
JAN18	----	----	0.950 UNCH		----	----	30	UNCH
FEB18	----	----	0.850 UNCH		----	----	15	UNCH
MAR18	----	----	0.900 UNCH		----	----	15	UNCH
TOTAL GSW FUT							60	
MB FUT GULF COAST SOUR CRUDE OIL FUTURES								
JAN18	----	----	57.50 + 0.08		----	----	1720	UNCH
TOTAL MB FUT							1720	
DB FUT ICE BRENT DUBAI								
NOV17	----	----	1.788 + 0.018		----	----	2441	UNCH
DEC17	----	----	2.101 + 0.140		----	----	1591	UNCH
JAN18	----	----	2.112 + 0.089		----	100	1107	UNCH
FEB18	----	----	2.044 + 0.060		----	100	1107	UNCH
MAR18	----	----	1.993 + 0.020		----	100	1107	UNCH
APR18	----	----	1.982 + 0.030		----	100	1065	UNCH
MAY18	----	----	1.971 UNCH		----	100	1065	UNCH
JUN18	----	----	1.999 + 0.019		----	100	1065	UNCH
JUL18	----	----	2.018 + 0.020		----	100	4656 + 100	
AUG18	----	----	2.007 + 0.020		----	100	4656 + 100	
SEP18	----	----	1.978 + 0.011		----	100	4656 + 100	
OCT18	----	----	1.969 + 0.030		----	100	4556 + 100	

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ENERGY FUTURES PRODUCTS

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
DB FUT	ICE BRENT DUBAI					
NOV18	----	----	1.990 + 0.020	----	100	4556 + 100
DEC18	----	----	2.051 + 0.030	----	100	4556 + 100
JAN19	----	----	2.073 UNCH	----	----	210 UNCH
FEB19	----	----	2.132 - 0.030	----	----	210 UNCH
MAR19	----	----	2.160 - 0.040	----	----	210 UNCH
APR19	----	----	2.154 - 0.050	----	----	210 UNCH
MAY19	----	----	2.232 - 0.051	----	----	210 UNCH
JUN19	----	----	2.233 - 0.061	----	----	210 UNCH
JUL19	----	----	2.256 - 0.070	----	----	160 UNCH
AUG19	----	----	2.323 - 0.070	----	----	160 UNCH
SEP19	----	----	2.332 - 0.069	----	----	160 UNCH
OCT19	----	----	2.315 - 0.079	----	----	160 UNCH
NOV19	----	----	2.356 - 0.070	----	----	160 UNCH
DEC19	----	----	2.437 - 0.059	----	----	160 UNCH
JAN20	----	----	2.437 - 0.059	----	----	210 UNCH
FEB20	----	----	2.437 - 0.060	----	----	210 UNCH
MAR20	----	----	2.437 - 0.059	----	----	210 UNCH
APR20	----	----	2.437 - 0.060	----	----	210 UNCH
MAY20	----	----	2.437 - 0.060	----	----	210 UNCH
JUN20	----	----	2.437 - 0.060	----	----	210 UNCH
JUL20	----	----	2.438 - 0.059	----	----	210 UNCH
AUG20	----	----	2.437 - 0.059	----	----	210 UNCH
SEP20	----	----	2.437 - 0.060	----	----	210 UNCH
OCT20	----	----	2.438 - 0.059	----	----	210 UNCH
NOV20	----	----	2.437 - 0.060	----	----	210 UNCH
DEC20	----	----	2.437 - 0.059	----	----	210 UNCH
TOTAL DB FUT					1200	42924 + 600
LSW FUT	LIGHT SWEET OIL NET ENERGY MONTHLY					
DEC17	----	----	-1.264 + 0.005	----	----	210 UNCH
JAN18	----	----	-1.650 + 0.200	----	----	260 UNCH
FEB18	----	----	-1.750 + 0.100	----	----	260 UNCH
MAR18	----	----	-1.850 UNCH	----	----	260 UNCH
APR18	----	----	-2.050 - 0.200	----	15	275 UNCH
MAY18	----	----	-1.900 - 0.050	----	15	275 UNCH
JUN18	----	----	-1.750 + 0.100	----	15	275 UNCH
JUL18	----	----	-1.950 - 0.050	----	15	155 UNCH
AUG18	----	----	-2.250 - 0.050	----	15	155 UNCH
SEP18	----	----	-2.550 - 0.050	----	15	155 UNCH
OCT18	----	----	-3.050 - 0.100	----	15	155 UNCH
NOV18	----	----	-3.100 - 0.100	----	15	155 UNCH
DEC18	----	----	-3.150 - 0.100	----	15	155 UNCH
TOTAL LSW FUT					135	2745
WJ FUT	LLS (ARGUS) VS WTI					
NOV17	----	----	5.80 + 0.02	----	----	2810 UNCH
DEC17	----	----	5.31 + 0.05	----	----	2849 UNCH
JAN18	----	----	4.85 + 0.08	----	----	1030 UNCH
FEB18	----	----	4.45 + 0.13	----	----	1003 UNCH
MAR18	----	----	4.12 + 0.01	----	----	1005 UNCH
APR18	----	----	3.89 + 0.03	----	----	910 UNCH
MAY18	----	----	3.69 + 0.01	----	----	880 UNCH
JUN18	----	----	3.72 + 0.01	----	----	880 UNCH
JUL18	----	----	3.72 + 0.01	----	25	794 UNCH
AUG18	----	----	3.70 + 0.01	----	25	794 UNCH
SEP18	----	----	3.60 + 0.02	----	25	794 UNCH
OCT18	----	----	3.50 + 0.05	----	25	794 UNCH
NOV18	----	----	3.39 - 0.06	----	25	794 UNCH
DEC18	----	----	3.30 - 0.03	----	25	794 UNCH
JAN19	----	----	3.30 - 0.03	----	----	102 UNCH
FEB19	----	----	3.28 - 0.03	----	----	102 UNCH
MAR19	----	----	3.18 - 0.02	----	----	102 UNCH
APR19	----	----	3.18 - 0.02	----	----	212 UNCH
MAY19	----	----	3.16 - 0.02	----	----	212 UNCH
JUN19	----	----	3.05 - 0.03	----	----	212 UNCH
JUL19	----	----	3.05 - 0.03	----	----	93 UNCH
AUG19	----	----	3.02 - 0.03	----	----	93 UNCH
SEP19	----	----	2.93 - 0.02	----	----	93 UNCH
OCT19	----	----	2.93 - 0.02	----	----	93 UNCH
NOV19	----	----	2.96 - 0.01	----	----	93 UNCH
DEC19	----	----	3.10 UNCH	----	----	93 UNCH
JAN20	----	----	3.10 UNCH	----	----	5 UNCH
FEB20	----	----	3.10 UNCH	----	----	5 UNCH
MAR20	----	----	3.10 UNCH	----	----	5 UNCH
APR20	----	----	3.10 UNCH	----	----	5 UNCH
MAY20	----	----	3.10 UNCH	----	----	5 UNCH
JUN20	----	----	3.10 UNCH	----	----	5 UNCH
JUL20	----	----	3.10 UNCH	----	----	5 UNCH
AUG20	----	----	3.10 UNCH	----	----	5 UNCH
SEP20	----	----	3.10 UNCH	----	----	5 UNCH
OCT20	----	----	3.10 UNCH	----	----	5 UNCH
NOV20	----	----	3.10 UNCH	----	----	5 UNCH
DEC20	----	----	3.10 UNCH	----	----	5 UNCH
JAN21	----	----	3.10 UNCH	----	----	5 UNCH
FEB21	----	----	3.10 UNCH	----	----	5 UNCH
MAR21	----	----	3.10 UNCH	----	----	5 UNCH
APR21	----	----	3.10 UNCH	----	----	5 UNCH
MAY21	----	----	3.10 UNCH	----	----	5 UNCH
JUN21	----	----	3.10 UNCH	----	----	5 UNCH
TOTAL WJ FUT					150	17721
LPS FUT	LOOP CRUDE OIL STORAGE FUTURES					
DEC17	----	----	0.080 + 0.030	----	800	3100 + 55
JAN18	----	----	0.090 UNCH	----	----	3350 UNCH
FEB18	----	----	0.090 UNCH	----	----	3350 UNCH
MAR18	----	----	0.090 UNCH	----	----	3350 UNCH
APR18	----	----	0.120 UNCH	----	----	1300 UNCH
MAY18	----	----	0.120 UNCH	----	----	1300 UNCH
JUN18	----	----	0.120 UNCH	----	----	1300 UNCH
JUL18	----	----	0.140 UNCH	----	----	300 UNCH
AUG18	----	----	0.140 UNCH	----	----	300 UNCH
SEP18	----	----	0.140 UNCH	----	----	300 UNCH
TOTAL LPS FUT					800	17950 + 55
YX FUT	MARS (ARGUS) VS WTI					
NOV17	----	----	2.76 + 0.09	----	----	3076 UNCH
DEC17	----	----	2.64 + 0.18	----	----	1377 UNCH

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YX FUT MARS (ARGUS) VS WTI							
JAN18	----	----	2.19 - 0.01	----	350	940 +	350
FEB18	----	----	1.96 - 0.04	----	----	590	UNCH
MAR18	----	----	1.64 - 0.04	----	----	590	UNCH
APR18	----	----	1.41 UNCH	----	----	280	UNCH
MAY18	----	----	1.20 UNCH	----	----	280	UNCH
JUN18	----	----	1.15 UNCH	----	----	280	UNCH
JUL18	----	----	1.08 UNCH	----	----	280	UNCH
AUG18	----	----	1.03 + 0.02	----	----	280	UNCH
SEP18	----	----	0.97 + 0.01	----	----	280	UNCH
OCT18	----	----	0.92 + 0.03	----	----	280	UNCH
NOV18	----	----	0.86 - 0.01	----	----	280	UNCH
DEC18	----	----	0.80 + 0.01	----	----	280	UNCH
JAN20	----	----	0.00 UNCH	----	----	30	UNCH
FEB20	----	----	0.00 UNCH	----	----	30	UNCH
MAR20	----	----	0.00 UNCH	----	----	30	UNCH
APR20	----	----	0.00 UNCH	----	----	30	UNCH
MAY20	----	----	0.00 UNCH	----	----	30	UNCH
JUN20	----	----	0.00 UNCH	----	----	30	UNCH
JUL20	----	----	0.00 UNCH	----	----	30	UNCH
AUG20	----	----	0.00 UNCH	----	----	30	UNCH
SEP20	----	----	0.00 UNCH	----	----	30	UNCH
OCT20	----	----	0.00 UNCH	----	----	30	UNCH
NOV20	----	----	0.00 UNCH	----	----	30	UNCH
DEC20	----	----	0.00 UNCH	----	----	30	UNCH
TOTAL YX FUT					350	9453 +	350
YV FUT MARS (ARGUS) VS WTI TRD MTH							
DEC17	----	----	2.68 + 0.05	----	----	7364	UNCH
JAN18	----	----	2.74 + 0.22	----	1410	4245 +	285
FEB18	----	----	2.23 - 0.01	----	520	3135 +	70
MAR18	----	----	2.01 - 0.04	----	570	3035 +	160
APR18	----	----	1.69 - 0.04	----	55	1345 -	30
MAY18	----	----	1.44 - 0.01	----	55	1345 -	30
JUN18	----	----	1.21 + 0.01	----	55	1345 -	30
JUL18	----	----	1.16 - 0.01	----	120	900	UNCH
AUG18	----	----	1.09 UNCH	----	120	900	UNCH
SEP18	----	----	1.04 + 0.02	----	120	900	UNCH
OCT18	----	----	0.98 + 0.01	----	30	870 -	30
NOV18	----	----	0.93 + 0.04	----	30	870 -	30
DEC18	----	----	0.88 - 0.01	----	30	870 -	30
TOTAL YV FUT					3115	27124 +	335
BB FUT NYMEX BRENT FINANCIAL FUTURES							
JAN18	----	----	61.36 - 0.51	----	----	0	UNCH
APR18	----	----	60.98 - 0.43	----	----	0	UNCH
NOV18	----	----	59.61 - 0.41	----	----	30	UNCH
DEC18	----	----	59.34 - 0.42	----	----	3134	UNCH
DEC19	----	----	57.35 - 0.43	----	----	158	UNCH
TOTAL BB FUT						3322	
SSW FUT SYNTHETIC SWEET OIL MONTHLY FUT							
DEC17	----	----	2.169 + 0.006	----	----	30	UNCH
JAN18	----	----	1.600 UNCH	----	----	30	UNCH
FEB18	----	----	1.150 UNCH	----	----	30	UNCH
MAR18	----	----	1.150 UNCH	----	----	30	UNCH
TOTAL SSW FUT						120	
CS FUT WEST TEXAS INTER CRUDE OIL CAL							
NOV17	----	----	55.73 - 0.09	----	14	14457	UNCH
DEC17	----	----	55.40 - 0.17	----	229	12090 +	229
JAN18	----	----	55.53 - 0.17	----	42	6819 -	37
FEB18	----	----	55.63 - 0.19	----	42	6540 -	37
MAR18	----	----	55.68 - 0.19	----	42	6630 -	37
APR18	----	----	55.64 - 0.19	----	42	6358	UNCH
MAY18	----	----	55.52 - 0.19	----	42	6461	UNCH
JUN18	----	----	55.29 - 0.19	----	42	6454	UNCH
JUL18	----	----	55.03 - 0.19	----	42	6547	UNCH
AUG18	----	----	54.75 - 0.21	----	42	6612	UNCH
SEP18	----	----	54.48 - 0.21	----	42	6605	UNCH
OCT18	----	----	54.22 - 0.21	----	42	6493	UNCH
NOV18	----	----	53.92 - 0.22	----	42	6436	UNCH
DEC18	----	----	53.65 - 0.22	----	42	6600	UNCH
JAN19	----	----	53.39 - 0.22	----	----	2379	UNCH
FEB19	----	----	53.14 - 0.24	----	----	2372	UNCH
MAR19	----	----	52.91 - 0.24	----	----	2374	UNCH
APR19	----	----	52.71 - 0.25	----	----	2340	UNCH
MAY19	----	----	52.50 - 0.26	----	----	2338	UNCH
JUN19	----	----	52.31 - 0.27	----	----	2328	UNCH
JUL19	----	----	52.14 - 0.28	----	----	2185	UNCH
AUG19	----	----	52.00 - 0.28	----	----	2184	UNCH
SEP19	----	----	51.89 - 0.30	----	----	2184	UNCH
OCT19	----	----	51.79 - 0.30	----	----	2170	UNCH
NOV19	----	----	51.69 - 0.30	----	----	2169	UNCH
DEC19	----	----	51.55 - 0.29	----	----	2168	UNCH
JAN20	----	----	51.41 - 0.28	----	----	788	UNCH
FEB20	----	----	51.29 - 0.30	----	----	787	UNCH
MAR20	----	----	51.17 - 0.31	----	----	787	UNCH
APR20	----	----	51.04 - 0.33	----	----	787	UNCH
MAY20	----	----	50.96 - 0.33	----	----	787	UNCH
JUN20	----	----	50.88 - 0.32	----	----	788	UNCH
JUL20	----	----	50.80 - 0.35	----	----	791	UNCH
AUG20	----	----	50.72 - 0.38	----	----	790	UNCH
SEP20	----	----	50.65 - 0.40	----	----	790	UNCH
OCT20	----	----	50.57 - 0.42	----	----	770	UNCH
NOV20	----	----	50.52 - 0.43	----	----	770	UNCH
DEC20	----	----	50.42 - 0.44	----	----	871	UNCH
JAN21	----	----	50.37 - 0.45	----	----	107	UNCH
FEB21	----	----	50.33 - 0.47	----	----	107	UNCH
MAR21	----	----	50.29 - 0.48	----	----	106	UNCH
APR21	----	----	50.23 - 0.50	----	----	106	UNCH
MAY21	----	----	50.20 - 0.50	----	----	106	UNCH
JUN21	----	----	50.15 - 0.52	----	----	105	UNCH
JUL21	----	----	50.11 - 0.53	----	----	87	UNCH
AUG21	----	----	50.06 - 0.55	----	----	87	UNCH
SEP21	----	----	50.04 - 0.55	----	----	87	UNCH
OCT21	----	----	50.03 - 0.55	----	----	87	UNCH
NOV21	----	----	50.01 - 0.56	----	----	86	UNCH

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CS FUT	WEST TEXAS INTER CRUDE OIL CAL						
DEC21	----	----	49.99 - 0.57	----	----	86	UNCH
JAN22	----	----	50.00 - 0.57	----	----	33	UNCH
FEB22	----	----	50.03 - 0.58	----	----	33	UNCH
MAR22	----	----	50.06 - 0.60	----	----	33	UNCH
APR22	----	----	50.07 - 0.60	----	----	33	UNCH
MAY22	----	----	50.07 - 0.61	----	----	32	UNCH
JUN22	----	----	50.07 - 0.62	----	----	32	UNCH
JUL22	----	----	50.09 - 0.62	----	----	32	UNCH
AUG22	----	----	50.11 - 0.63	----	----	32	UNCH
SEP22	----	----	50.12 - 0.63	----	----	32	UNCH
OCT22	----	----	50.12 - 0.65	----	----	32	UNCH
NOV22	----	----	50.13 - 0.65	----	----	32	UNCH
DEC22	----	----	50.13 - 0.65	----	----	32	UNCH
JAN23	----	----	50.13 - 0.65	----	----	8	UNCH
FEB23	----	----	50.13 - 0.65	----	----	8	UNCH
MAR23	----	----	50.13 - 0.65	----	----	8	UNCH
APR23	----	----	50.17 - 0.69	----	----	8	UNCH
MAY23	----	----	50.27 - 0.77	----	----	8	UNCH
JUN23	----	----	50.27 - 0.77	----	----	8	UNCH
JUL23	----	----	50.27 - 0.77	----	----	8	UNCH
AUG23	----	----	50.27 - 0.77	----	----	8	UNCH
SEP23	----	----	50.27 - 0.77	----	----	8	UNCH
OCT23	----	----	50.31 - 0.81	----	----	8	UNCH
TOTAL CS FUT					747	143424 +	118
WCW FUT	WESTERN CANADIAN SELECT OIL MONTHLY						
DEC17	----	----	-13.960 - 0.011	----	----	1725	UNCH
JAN18	----	----	-15.300 - 0.100	----	205	2103 -	15
FEB18	----	----	-15.700 - 0.150	----	235	1945 -	73
MAR18	----	----	-15.800 - 0.050	----	45	2218 -	45
APR18	----	----	-15.400 + 0.050	----	----	1373	UNCH
MAY18	----	----	-14.650 + 0.050	----	----	1373	UNCH
JUN18	----	----	-14.650 + 0.050	----	----	1373	UNCH
JUL18	----	----	-15.000 - 0.150	----	----	1483	UNCH
AUG18	----	----	-15.600 - 0.150	----	----	1483	UNCH
SEP18	----	----	-15.600 - 0.150	----	----	1513	UNCH
OCT18	----	----	-16.000 UNCH	----	----	1138	UNCH
NOV18	----	----	-16.100 UNCH	----	----	1138	UNCH
DEC18	----	----	-16.200 UNCH	----	----	1138	UNCH
JAN19	----	----	-17.100 - 0.150	----	----	50	UNCH
FEB19	----	----	-17.000 - 0.150	----	----	50	UNCH
MAR19	----	----	-16.900 - 0.150	----	----	50	UNCH
APR19	----	----	-16.300 - 0.150	----	----	50	UNCH
MAY19	----	----	-16.400 - 0.150	----	----	50	UNCH
JUN19	----	----	-16.500 - 0.150	----	----	50	UNCH
JUL19	----	----	-15.800 - 0.150	----	----	50	UNCH
AUG19	----	----	-15.900 - 0.150	----	----	50	UNCH
SEP19	----	----	-16.000 - 0.150	----	----	50	UNCH
OCT19	----	----	-16.800 - 0.150	----	----	50	UNCH
NOV19	----	----	-16.900 - 0.150	----	----	50	UNCH
DEC19	----	----	-17.000 - 0.150	----	----	50	UNCH
TOTAL WCW FUT					485	20603 -	133
42 FUT	WTI BALMO						
03NOV17	----	----	55.87 - 0.09	----	----	100	UNCH
15NOV17	----	----	55.29 - 0.16	----	----	10	UNCH
TOTAL 42 FUT						110	
WS FUT	WTI FINANCIAL FUTURES						
DEC17	----	----	55.14 - 0.19	----	----	7511	UNCH
JAN18	----	----	55.35 - 0.17	----	----	1854	UNCH
MAR18	----	----	55.60 - 0.19	----	----	1854	UNCH
DEC18	----	----	54.03 - 0.22	----	----	286	UNCH
DEC19	----	----	51.73 - 0.30	----	----	250	UNCH
DEC20	----	----	50.54 - 0.43	----	----	36	UNCH
TOTAL WS FUT						11791	
HTT FUT	WTI HOUSTON ARGUS V. WTI TRADE MONTH						
DEC17	----	----	5.12 + 0.02	----	----	6302	UNCH
JAN18	----	----	4.72 + 0.12	----	540	5410 -	340
FEB18	----	----	3.88 - 0.12	----	305	5580 -	20
MAR18	----	----	3.78 + 0.18	----	305	5580 -	20
APR18	----	----	3.69 + 0.05	----	255	3435 -	110
MAY18	----	----	3.64 + 0.05	----	255	3435 -	110
JUN18	----	----	3.59 + 0.05	----	255	3435 -	110
JUL18	----	----	3.35 UNCH	----	----	3415	UNCH
AUG18	----	----	3.30 - 0.04	----	----	3415	UNCH
SEP18	----	----	3.25 - 0.09	----	----	3415	UNCH
OCT18	----	----	3.20 UNCH	----	----	3415	UNCH
NOV18	----	----	3.15 + 0.01	----	----	3415	UNCH
DEC18	----	----	3.15 + 0.12	----	----	3415	UNCH
JAN19	----	----	2.85 UNCH	----	----	985	UNCH
FEB19	----	----	2.85 UNCH	----	----	985	UNCH
MAR19	----	----	2.85 UNCH	----	----	985	UNCH
APR19	----	----	2.85 UNCH	----	----	985	UNCH
MAY19	----	----	2.85 UNCH	----	----	985	UNCH
JUN19	----	----	2.85 UNCH	----	----	985	UNCH
JUL19	----	----	2.85 UNCH	----	----	975	UNCH
AUG19	----	----	2.85 UNCH	----	----	975	UNCH
SEP19	----	----	2.85 UNCH	----	----	975	UNCH
OCT19	----	----	2.85 UNCH	----	----	975	UNCH
NOV19	----	----	2.85 UNCH	----	----	975	UNCH
DEC19	----	----	2.85 UNCH	----	----	975	UNCH
JAN20	----	----	2.90 UNCH	----	----	60	UNCH
FEB20	----	----	2.90 UNCH	----	----	60	UNCH
MAR20	----	----	2.90 UNCH	----	----	60	UNCH
APR20	----	----	2.90 UNCH	----	----	60	UNCH
MAY20	----	----	2.90 UNCH	----	----	60	UNCH
JUN20	----	----	2.90 UNCH	----	----	60	UNCH
JUL20	----	----	2.90 UNCH	----	----	60	UNCH
AUG20	----	----	2.90 UNCH	----	----	60	UNCH
SEP20	----	----	2.90 UNCH	----	----	60	UNCH
OCT20	----	----	2.90 UNCH	----	----	60	UNCH
NOV20	----	----	2.90 UNCH	----	----	60	UNCH
DEC20	----	----	2.90 UNCH	----	----	60	UNCH
TOTAL HTT FUT					1915	66147 -	710
WTT FUT	WTI MIDLAND (ARG) VS. WTI TRADE MTH						

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ENERGY FUTURES PRODUCTS

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	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
DEC17	----	----	0.37 + 0.02	----	----	4865	UNCH
JAN18	----	----	0.58 + 0.02	----	330	4481 -	145
FEB18	----	----	0.59 - 0.01	----	----	4726	UNCH
MAR18	----	----	0.56 - 0.04	----	----	4826	UNCH
APR18	----	----	0.35 + 0.01	----	75	2845 +	75
MAY18	----	----	0.30 + 0.03	----	75	2715 +	75
JUN18	----	----	0.23 + 0.04	----	75	2715 +	75
JUL18	----	----	-0.03 + 0.02	----	165	2645 +	45
AUG18	----	----	-0.10 + 0.03	----	165	2615 +	45
SEP18	----	----	-0.18 + 0.02	----	165	2615 +	45
OCT18	----	----	-0.20 + 0.03	----	135	2610 +	15
NOV18	----	----	-0.23 + 0.05	----	135	2610 +	15
DEC18	----	----	-0.25 UNCH	----	135	2610 +	15
JAN19	----	----	-0.23 UNCH	----	----	1320	UNCH
FEB19	----	----	-0.23 UNCH	----	----	1320	UNCH
MAR19	----	----	-0.23 UNCH	----	----	1320	UNCH
APR19	----	----	-0.20 UNCH	----	----	1320	UNCH
MAY19	----	----	-0.20 UNCH	----	----	1320	UNCH
JUN19	----	----	-0.20 UNCH	----	----	1320	UNCH
JUL19	----	----	-0.28 UNCH	----	----	1320	UNCH
AUG19	----	----	-0.28 UNCH	----	----	1320	UNCH
SEP19	----	----	-0.28 UNCH	----	----	1320	UNCH
OCT19	----	----	-0.30 UNCH	----	----	1320	UNCH
NOV19	----	----	-0.30 UNCH	----	----	1320	UNCH
DEC19	----	----	-0.30 UNCH	----	----	1320	UNCH
JAN20	----	----	-0.25 UNCH	----	----	185	UNCH
FEB20	----	----	-0.25 UNCH	----	----	185	UNCH
MAR20	----	----	-0.25 UNCH	----	----	185	UNCH
APR20	----	----	-0.25 UNCH	----	----	185	UNCH
MAY20	----	----	-0.25 UNCH	----	----	185	UNCH
JUN20	----	----	-0.25 UNCH	----	----	185	UNCH
JUL20	----	----	-0.25 UNCH	----	----	185	UNCH
AUG20	----	----	-0.25 UNCH	----	----	185	UNCH
SEP20	----	----	-0.25 UNCH	----	----	185	UNCH
OCT20	----	----	-0.25 UNCH	----	----	185	UNCH
NOV20	----	----	-0.25 UNCH	----	----	185	UNCH
DEC20	----	----	-0.25 UNCH	----	----	185	UNCH
JAN21	----	----	-0.25 UNCH	----	----	50	UNCH
FEB21	----	----	-0.25 UNCH	----	----	50	UNCH
MAR21	----	----	-0.25 UNCH	----	----	50	UNCH
APR21	----	----	-0.25 UNCH	----	----	50	UNCH
MAY21	----	----	-0.25 UNCH	----	----	50	UNCH
JUN21	----	----	-0.25 UNCH	----	----	50	UNCH
JUL21	----	----	-0.25 UNCH	----	----	50	UNCH
AUG21	----	----	-0.25 UNCH	----	----	50	UNCH
SEP21	----	----	-0.25 UNCH	----	----	50	UNCH
OCT21	----	----	-0.25 UNCH	----	----	50	UNCH
NOV21	----	----	-0.25 UNCH	----	----	50	UNCH
DEC21	----	----	-0.25 UNCH	----	----	50	UNCH
TOTAL WTT FUT					1455	61538 +	260
FF FUT	WTI MIDLAND(ARGUS) VS WTI FINCL	FUT					
NOV17	----	----	0.38 + 0.01	----	----	2670	UNCH
DEC17	----	----	0.58 + 0.01	----	----	2640	UNCH
JAN18	----	----	0.58 - 0.02	----	30	2944 +	30
FEB18	----	----	0.53 - 0.03	----	30	2940 +	30
MAR18	----	----	0.34 + 0.01	----	30	2939 +	30
APR18	----	----	0.29 + 0.03	----	30	2872 +	30
MAY18	----	----	0.19 + 0.03	----	30	2873 +	30
JUN18	----	----	-0.04 + 0.03	----	30	2872 +	30
JUL18	----	----	-0.12 + 0.02	----	30	2801 +	30
AUG18	----	----	-0.18 + 0.03	----	30	2801 +	30
SEP18	----	----	-0.20 + 0.04	----	30	2800 +	30
OCT18	----	----	-0.23 + 0.04	----	30	2801 +	30
NOV18	----	----	-0.25 UNCH	----	30	2800 +	30
DEC18	----	----	-0.23 UNCH	----	30	2801 +	30
JAN19	----	----	-0.23 UNCH	----	----	505	UNCH
FEB19	----	----	-0.23 UNCH	----	----	505	UNCH
MAR19	----	----	-0.20 UNCH	----	----	505	UNCH
APR19	----	----	-0.20 UNCH	----	----	505	UNCH
MAY19	----	----	-0.21 UNCH	----	----	505	UNCH
JUN19	----	----	-0.28 UNCH	----	----	505	UNCH
JUL19	----	----	-0.28 UNCH	----	----	555	UNCH
AUG19	----	----	-0.28 UNCH	----	----	555	UNCH
SEP19	----	----	-0.30 UNCH	----	----	555	UNCH
OCT19	----	----	-0.30 UNCH	----	----	555	UNCH
NOV19	----	----	-0.29 UNCH	----	----	555	UNCH
DEC19	----	----	-0.25 UNCH	----	----	555	UNCH
TOTAL FF FUT					360	45914 +	360
BY FUT	WTI-BRENT BULLET						
DEC18	----	----	-5.31 + 0.20	----	----	200	UNCH
JAN20	----	----	-5.64 + 0.13	----	----	17	UNCH
FEB20	----	----	-5.68 + 0.16	----	----	17	UNCH
MAR20	----	----	-5.74 + 0.16	----	----	17	UNCH
APR20	----	----	-5.77 + 0.16	----	----	17	UNCH
MAY20	----	----	-5.83 + 0.14	----	----	17	UNCH
JUN20	----	----	-5.82 + 0.15	----	----	17	UNCH
JUL20	----	----	-5.85 + 0.16	----	----	17	UNCH
AUG20	----	----	-5.83 + 0.18	----	----	17	UNCH
SEP20	----	----	-5.87 + 0.13	----	----	17	UNCH
OCT20	----	----	-5.86 + 0.12	----	----	17	UNCH
NOV20	----	----	-5.87 + 0.12	----	----	17	UNCH
DEC20	----	----	-5.84 + 0.11	----	----	17	UNCH
TOTAL BY FUT						404	
BK FUT	WTI-BRENT CALENDAR						
NOV17	----	----	-6.28 + 0.16	----	----	6249	UNCH
DEC17	----	----	-5.87 + 0.30	----	235	4608 -	105
JAN18	----	----	-5.59 + 0.27	----	420	3277 +	365
FEB18	----	----	-5.34 + 0.24	----	40	2797 -	15
MAR18	----	----	-5.16 + 0.23	----	40	2797 -	15
APR18	----	----	-5.05 + 0.23	----	40	2755 +	10
MAY18	----	----	-5.02 + 0.21	----	40	2755 +	10
JUN18	----	----	-5.06 + 0.21	----	40	2555 +	10
JUL18	----	----	-5.09 + 0.22	----	15	2590 -	15
AUG18	----	----	-5.12 + 0.20	----	15	2590 -	15
SEP18	----	----	-5.12 + 0.20	----	15	2590 -	15
OCT18	----	----	-5.11 + 0.21	----	15	2945 -	15

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ENERGY FUTURES PRODUCTS

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BK FUT	WTI-BRENT CALENDAR							
NOV18	----	----	-5.18 + 0.19		----	15	2945 -	15
DEC18	----	----	-5.25 + 0.18		----	15	3349 -	15
JAN19	----	----	-5.33 + 0.19		----	----	1550	UNCH
FEB19	----	----	-5.43 + 0.18		----	----	1550	UNCH
MAR19	----	----	-5.49 + 0.18		----	----	1550	UNCH
APR19	----	----	-5.48 + 0.17		----	----	1665	UNCH
MAY19	----	----	-5.56 + 0.17		----	----	1665	UNCH
JUN19	----	----	-5.59 + 0.16		----	----	1665	UNCH
JUL19	----	----	-5.63 + 0.15		----	----	1300	UNCH
AUG19	----	----	-5.67 + 0.15		----	----	1300	UNCH
SEP19	----	----	-5.62 + 0.14		----	----	1300	UNCH
OCT19	----	----	-5.55 + 0.13		----	----	1300	UNCH
NOV19	----	----	-5.54 + 0.13		----	----	1300	UNCH
DEC19	----	----	-5.58 + 0.15		----	----	1300	UNCH
JAN20	----	----	-5.66 + 0.17		----	35	295 +	15
FEB20	----	----	-5.69 + 0.16		----	35	295 +	15
MAR20	----	----	-5.73 + 0.16		----	35	295 +	15
APR20	----	----	-5.77 + 0.15		----	35	295 +	15
MAY20	----	----	-5.78 + 0.16		----	35	295 +	15
JUN20	----	----	-5.79 + 0.18		----	35	295 +	15
JUL20	----	----	-5.81 + 0.16		----	35	295 +	15
AUG20	----	----	-5.80 + 0.14		----	35	295 +	15
SEP20	----	----	-5.81 + 0.13		----	35	295 +	15
OCT20	----	----	-5.81 + 0.12		----	35	295 +	15
NOV20	----	----	-5.85 + 0.12		----	35	295 +	15
DEC20	----	----	-5.93 + 0.13		----	35	295 +	15
TOTAL BK FUT						1365	65787 +	350
FH FUT	WTS (ARGUS) VS WTI TRD MTH							
DEC17	----	----	-0.34 + 0.01		----	----	307	UNCH
JAN18	----	----	-0.23 + 0.10		----	----	448	UNCH
FEB18	----	----	-0.25 + 0.10		----	----	433	UNCH
MAR18	----	----	-0.28 + 0.10		----	----	433	UNCH
APR18	----	----	-0.48 - 0.03		----	----	433	UNCH
MAY18	----	----	-0.50 - 0.02		----	----	433	UNCH
JUN18	----	----	-0.55 - 0.02		----	----	433	UNCH
JUL18	----	----	-0.80 - 0.02		----	----	433	UNCH
AUG18	----	----	-0.85 - 0.02		----	----	433	UNCH
SEP18	----	----	-0.90 - 0.02		----	----	433	UNCH
OCT18	----	----	-1.03 - 0.03		----	----	433	UNCH
NOV18	----	----	-1.08 + 0.02		----	----	433	UNCH
DEC18	----	----	-1.13 - 0.01		----	----	433	UNCH
TOTAL FH FUT							5518	

NATURAL GAS FUTURES PRODUCTS

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
B4 FUT	ALGNQUIN CITYGATES BASIS							
DEC17	----	----	2.7670 + 0.0140		----	----	186	UNCH
JAN18	----	----	5.7860 - 0.0750		----	----	31	UNCH
FEB18	----	----	5.8570 + 0.0710		----	----	28	UNCH
MAR18	----	----	2.3450 - 0.0510		----	----	31	UNCH
TOTAL B4 FUT							276	
NE FUT	ANR OKLAHOMA							
DEC17	----	----	-0.3660 - 0.0070		----	----	31	UNCH
JAN18	----	----	-0.3160 - 0.0070		----	----	93	UNCH
FEB18	----	----	-0.3280 - 0.0090		----	----	84	UNCH
MAR18	----	----	-0.4610 - 0.0090		----	----	93	UNCH
APR18	----	----	-0.4680 - 0.0090		----	----	150	UNCH
MAY18	----	----	-0.4880 - 0.0090		----	----	155	UNCH
JUN18	----	----	-0.4930 - 0.0090		----	----	150	UNCH
JUL18	----	----	-0.4480 - 0.0090		----	----	155	UNCH
AUG18	----	----	-0.4530 - 0.0090		----	----	155	UNCH
SEP18	----	----	-0.4730 - 0.0090		----	----	150	UNCH
OCT18	----	----	-0.4930 - 0.0090		----	----	155	UNCH
NOV18	----	----	-0.4130 - 0.0060		----	----	90	UNCH
DEC18	----	----	-0.3460 - 0.0070		----	----	93	UNCH
JAN19	----	----	-0.3110 - 0.0070		----	----	62	UNCH
FEB19	----	----	-0.3030 - 0.0060		----	----	56	UNCH
MAR19	----	----	-0.3460 - 0.0070		----	----	62	UNCH
TOTAL NE FUT							1734	
PW FUT	CENTERPOINT BASIS							
DEC17	----	----	-0.2340 - 0.0020		----	----	748	UNCH
JAN18	----	----	-0.2210 - 0.0040		----	----	717	UNCH
FEB18	----	----	-0.2140 - 0.0050		----	----	648	UNCH
MAR18	----	----	-0.2510 - 0.0080		----	----	717	UNCH
APR18	----	----	-0.1950 UNCH		----	----	544	UNCH
MAY18	----	----	-0.2050 UNCH		----	----	562	UNCH
JUN18	----	----	-0.2080 - 0.0010		----	----	544	UNCH
JUL18	----	----	-0.2030 - 0.0010		----	----	562	UNCH
AUG18	----	----	-0.2080 - 0.0010		----	----	562	UNCH
SEP18	----	----	-0.2210 UNCH		----	----	684	UNCH
OCT18	----	----	-0.2290 - 0.0010		----	----	702	UNCH
NOV18	----	----	-0.2160 - 0.0010		----	----	534	UNCH
DEC18	----	----	-0.1980 - 0.0010		----	----	543	UNCH
JAN19	----	----	-0.1950 UNCH		----	----	450	UNCH
FEB19	----	----	-0.1980 - 0.0010		----	----	420	UNCH
MAR19	----	----	-0.2180 - 0.0010		----	----	450	UNCH
APR19	----	----	-0.1740 - 0.0010		----	----	110	UNCH
MAY19	----	----	-0.2050 - 0.0010		----	----	109	UNCH
JUN19	----	----	-0.2070 UNCH		----	----	110	UNCH
JUL19	----	----	-0.1940 UNCH		----	----	109	UNCH
AUG19	----	----	-0.1890 - 0.0010		----	----	109	UNCH
SEP19	----	----	-0.2180 - 0.0010		----	----	110	UNCH
OCT19	----	----	-0.2250 UNCH		----	----	109	UNCH
NOV19	----	----	-0.2110 - 0.0010		----	----	140	UNCH
TOTAL PW FUT							10293	

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ENERGY FUTURES PRODUCTS

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CI FUT	CIG BASIS							
DEC17	----	----	-0.3100	+ 0.0100	----	----	1641	UNCH
JAN18	----	----	-0.3110	+ 0.0120	----	----	1409	UNCH
FEB18	----	----	-0.3720	+ 0.0110	----	----	1280	UNCH
MAR18	----	----	-0.5170	+ 0.0100	----	----	1409	UNCH
APR18	----	----	-0.6350	- 0.0120	----	----	1438	UNCH
MAY18	----	----	-0.6740	- 0.0110	----	----	1484	UNCH
JUN18	----	----	-0.5950	- 0.0020	----	----	1446	UNCH
JUL18	----	----	-0.5250	+ 0.0070	----	----	1496	UNCH
AUG18	----	----	-0.5250	+ 0.0070	----	----	1492	UNCH
SEP18	----	----	-0.5200	+ 0.0070	----	----	1442	UNCH
OCT18	----	----	-0.5320	+ 0.0070	----	----	1484	UNCH
NOV18	----	----	-0.4900	+ 0.0030	----	----	1258	UNCH
DEC18	----	----	-0.3050	+ 0.0010	----	----	1302	UNCH
JAN19	----	----	-0.3220	+ 0.0250	----	----	558	UNCH
FEB19	----	----	-0.3120	+ 0.0440	----	----	504	UNCH
MAR19	----	----	-0.4420	+ 0.0470	----	----	558	UNCH
APR19	----	----	-0.6060	UNCH	----	----	540	UNCH
MAY19	----	----	-0.5980	UNCH	----	----	558	UNCH
JUN19	----	----	-0.6030	UNCH	----	----	540	UNCH
JUL19	----	----	-0.4940	UNCH	----	----	558	UNCH
AUG19	----	----	-0.4940	UNCH	----	----	558	UNCH
SEP19	----	----	-0.4990	UNCH	----	----	540	UNCH
OCT19	----	----	-0.5200	UNCH	----	----	558	UNCH
NOV19	----	----	-0.4440	- 0.0020	----	----	540	UNCH
DEC19	----	----	-0.3080	- 0.0020	----	----	558	UNCH
TOTAL	CI FUT						25151	
XIC FUT	CIG ROCKIES NAT GAS (PLATTS) FUT							
DEC17	----	----	2.7430	- 0.0170	----	----	4	UNCH
JAN18	----	----	2.8420	- 0.0140	----	----	4	UNCH
FEB18	----	----	2.7830	- 0.0140	----	----	4	UNCH
MAR18	----	----	2.6040	- 0.0090	----	----	4	UNCH
TOTAL	XIC FUT						16	
5Z FUT	COLUMB GULF MAINLINE NG BASIS							
DEC17	----	----	-0.1200	- 0.0050	----	----	1080	UNCH
JAN18	----	----	-0.1300	- 0.0070	----	----	584	UNCH
FEB18	----	----	-0.1320	- 0.0060	----	----	530	UNCH
MAR18	----	----	-0.1320	- 0.0050	----	----	584	UNCH
APR18	----	----	-0.1300	UNCH	----	----	326	UNCH
MAY18	----	----	-0.1300	UNCH	----	----	336	UNCH
JUN18	----	----	-0.1430	- 0.0010	----	----	326	UNCH
JUL18	----	----	-0.1450	UNCH	----	----	335	UNCH
AUG18	----	----	-0.1450	UNCH	----	----	335	UNCH
SEP18	----	----	-0.1430	- 0.0010	----	----	325	UNCH
OCT18	----	----	-0.1400	UNCH	----	----	335	UNCH
NOV18	----	----	-0.1270	+ 0.0010	----	----	55	UNCH
DEC18	----	----	-0.1390	- 0.0040	----	----	56	UNCH
JAN19	----	----	-0.1390	- 0.0110	----	----	25	UNCH
FEB19	----	----	-0.1230	- 0.0080	----	----	25	UNCH
MAR19	----	----	-0.1200	- 0.0080	----	----	24	UNCH
APR19	----	----	-0.1020	+ 0.0050	----	----	24	UNCH
MAY19	----	----	-0.1080	+ 0.0040	----	----	24	UNCH
JUN19	----	----	-0.1150	+ 0.0050	----	----	24	UNCH
JUL19	----	----	-0.1180	+ 0.0050	----	----	24	UNCH
AUG19	----	----	-0.1180	+ 0.0050	----	----	24	UNCH
SEP19	----	----	-0.1160	+ 0.0040	----	----	24	UNCH
OCT19	----	----	-0.1130	+ 0.0050	----	----	24	UNCH
NOV19	----	----	-0.1130	+ 0.0040	----	----	23	UNCH
DEC19	----	----	-0.1220	+ 0.0010	----	----	23	UNCH
JAN20	----	----	-0.1220	+ 0.0010	----	----	23	UNCH
FEB20	----	----	-0.1100	+ 0.0020	----	----	23	UNCH
MAR20	----	----	-0.1070	+ 0.0010	----	----	23	UNCH
APR20	----	----	-0.1000	- 0.0010	----	----	23	UNCH
MAY20	----	----	-0.1050	- 0.0010	----	----	23	UNCH
JUN20	----	----	-0.1130	- 0.0010	----	----	23	UNCH
JUL20	----	----	-0.1150	- 0.0010	----	----	23	UNCH
AUG20	----	----	-0.1150	- 0.0010	----	----	22	UNCH
SEP20	----	----	-0.1130	- 0.0010	----	----	22	UNCH
OCT20	----	----	-0.1120	- 0.0020	----	----	22	UNCH
NOV20	----	----	-0.1080	+ 0.0040	----	----	22	UNCH
DEC20	----	----	-0.1170	+ 0.0010	----	----	22	UNCH
TOTAL	5Z FUT						5766	
GL FUT	COLUMBIA GULF ONSHORE BASIS							
DEC17	----	----	-0.0910	- 0.0020	----	----	1457	UNCH
TOTAL	GL FUT						1457	
IH FUT	DOMINION TRAN INC - APP INDEX							
JAN18	----	----	0.0000	UNCH	----	----	248	UNCH
FEB18	----	----	0.0000	UNCH	----	----	224	UNCH
MAR18	----	----	0.0000	UNCH	----	----	248	UNCH
APR18	----	----	0.0000	UNCH	----	----	240	UNCH
MAY18	----	----	0.0000	UNCH	----	----	248	UNCH
JUN18	----	----	0.0000	UNCH	----	----	240	UNCH
JUL18	----	----	0.0000	UNCH	----	----	248	UNCH
AUG18	----	----	0.0000	UNCH	----	----	248	UNCH
SEP18	----	----	0.0000	UNCH	----	----	240	UNCH
OCT18	----	----	0.0000	UNCH	----	----	248	UNCH
NOV18	----	----	0.0000	UNCH	----	----	240	UNCH
DEC18	----	----	0.0000	UNCH	----	----	248	UNCH
TOTAL	IH FUT						2920	
PG FUT	DOMINION TRANSMISSION INC -APPALAC							
DEC17	----	----	-0.5760	+ 0.0320	----	----	1984	UNCH
JAN18	----	----	-0.4470	- 0.0010	----	----	1953	UNCH
FEB18	----	----	-0.4080	+ 0.0020	----	----	1764	UNCH
MAR18	----	----	-0.4380	- 0.0100	----	----	1953	UNCH
APR18	----	----	-0.5130	- 0.0130	----	----	1500	UNCH
MAY18	----	----	-0.5900	- 0.0120	----	----	1364	UNCH
JUN18	----	----	-0.6220	- 0.0120	----	----	1320	UNCH
JUL18	----	----	-0.6280	- 0.0150	----	----	1364	UNCH
AUG18	----	----	-0.6730	- 0.0130	----	----	1364	UNCH
SEP18	----	----	-0.8620	- 0.0110	----	----	1320	UNCH
OCT18	----	----	-0.8020	- 0.0110	----	----	1426	UNCH
NOV18	----	----	-0.6440	- 0.0130	----	----	960	UNCH
DEC18	----	----	-0.5450	- 0.0120	----	----	992	UNCH

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ENERGY FUTURES PRODUCTS

Thu, Nov 16, 2017 PG61

	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST			
PG FUT DOMINION TRANSMISSION INC -APPALAC										
JAN19	----	----	-0.4760	-	0.0100	----	1488	UNCH		
FEB19	----	----	-0.4250	-	0.0090	----	1344	UNCH		
MAR19	----	----	-0.4910	-	0.0100	----	1488	UNCH		
APR19	----	----	-0.4900	-	0.0070	----	600	UNCH		
MAY19	----	----	-0.5400	-	0.0070	----	620	UNCH		
JUN19	----	----	-0.6410	-	0.0060	----	600	UNCH		
JUL19	----	----	-0.6830	-	0.0070	----	620	UNCH		
AUG19	----	----	-0.6980	-	0.0060	----	620	UNCH		
SEP19	----	----	-0.8730	-	0.0050	----	600	UNCH		
OCT19	----	----	-0.8340	-	0.0060	----	620	UNCH		
NOV19	----	----	-0.6550	-	0.0090	----	690	UNCH		
DEC19	----	----	-0.5310	-	0.0080	----	713	UNCH		
JAN20	----	----	-0.4890	-	0.0090	----	527	UNCH		
FEB20	----	----	-0.4400	-	0.0080	----	493	UNCH		
MAR20	----	----	-0.5340	-	0.0090	----	527	UNCH		
APR20	----	----	-0.4910	-	0.0060	----	360	UNCH		
MAY20	----	----	-0.5270	-	0.0060	----	372	UNCH		
JUN20	----	----	-0.6420	-	0.0050	----	360	UNCH		
JUL20	----	----	-0.6830	-	0.0060	----	372	UNCH		
AUG20	----	----	-0.6630	-	0.0050	----	372	UNCH		
SEP20	----	----	-0.9100	-	0.0050	----	360	UNCH		
OCT20	----	----	-0.9210	-	0.0050	----	372	UNCH		
NOV20	----	----	-0.6650	-	0.0040	----	300	UNCH		
DEC20	----	----	-0.5810	-	0.0030	----	310	UNCH		
TOTAL PG FUT							33992			
TTE FUT DUTCH TTF NATURAL GAS FRONT MTH FUT										
JAN18	6.652	6.687B/6.638A	6.654	+	0.047	2	0	2		
APR18	----	----	6.316	+	0.067	5	0	5		
MAY18	----	----	6.044	+	0.047	5	0	5		
JUN18	----	----	5.941	+	0.038	5	0	5		
OCT18	----	----	6.336	+	0.042	4	3	3		
NOV18	----	----	6.566	+	0.040	4	3	3		
DEC18	----	----	6.701	+	0.037	4	3	3		
JAN19	----	----	6.731	+	0.039	4	3	3		
FEB19	----	----	6.745	+	0.039	4	3	3		
MAR19	----	----	6.759	+	0.039	4	3	3		
OCT19	----	----	6.495	+	0.016	----	3	UNCH		
NOV19	----	----	6.507	+	0.016	----	3	UNCH		
DEC19	----	----	6.521	+	0.017	----	3	UNCH		
JAN20	----	----	6.746	+	0.016	----	3	UNCH		
FEB20	----	----	6.758	+	0.016	----	3	UNCH		
MAR20	----	----	6.771	+	0.016	----	3	UNCH		
TOTAL TTE FUT					41		36	35		
NN FUT HENRY HUB										
DEC17	----	----	3.053	-	0.027	----	50176	+	28	
JAN18	----	----	3.153	-	0.026	----	67880	+	66	
FEB18	----	----	3.155	-	0.025	----	51604	-	48	
MAR18	----	----	3.121	-	0.019	----	50061	+	66	
APR18	----	----	2.943	+	0.003	----	56386	+	4	
MAY18	----	----	2.928	+	0.008	----	38765	-	62	
JUN18	----	----	2.956	+	0.009	----	54956		UNCH	
JUL18	----	----	2.987	+	0.010	----	40022		UNCH	
AUG18	----	----	2.990	+	0.010	----	40478		UNCH	
SEP18	----	----	2.974	+	0.010	----	37707		UNCH	
OCT18	----	----	3.000	+	0.011	----	74	48647	-	50
NOV18	----	----	3.054	+	0.012	----	68	35993	+	8
DEC18	----	----	3.191	+	0.015	----	70	38223	+	8
JAN19	----	----	3.274	+	0.017	----	63	26552	+	39
FEB19	----	----	3.243	+	0.017	----	60	22199	+	36
MAR19	----	----	3.169	+	0.019	----	63	25345	+	39
APR19	----	----	2.808	+	0.019	----	182	20549	+	98
MAY19	----	----	2.760	+	0.018	----	195	21313	+	109
JUN19	----	----	2.780	+	0.018	----	190	20583	+	106
JUL19	----	----	2.804	+	0.017	----	199	20759	+	82
AUG19	----	----	2.804	+	0.017	----	195	20669	+	78
SEP19	----	----	2.788	+	0.017	----	190	20129	+	76
OCT19	----	----	2.810	+	0.017	----	187	21403	+	70
NOV19	----	----	2.867	+	0.015	----	62	19408	+	38
DEC19	----	----	3.021	+	0.014	----	55	20439		UNCH
JAN20	----	----	3.127	+	0.017	----	64	13802	+	4
FEB20	----	----	3.101	+	0.017	----	64	12674	+	4
MAR20	----	----	3.047	+	0.016	----	64	13441	+	4
APR20	----	----	2.745	+	0.012	----	64	11806	+	4
MAY20	----	----	2.720	+	0.012	----	64	12146		UNCH
JUN20	----	----	2.745	+	0.012	----	64	11801	+	4
JUL20	----	----	2.773	+	0.012	----	64	12365	+	4
AUG20	----	----	2.788	+	0.012	----	64	12403	+	4
SEP20	----	----	2.787	+	0.012	----	64	11900	+	4
OCT20	----	----	2.812	+	0.011	----	64	12262	+	4
NOV20	----	----	2.879	+	0.010	----	64	12049	+	4
DEC20	----	----	3.032	+	0.010	----	64	12061	+	4
JAN21	----	----	3.137	+	0.010	----	----	6122		UNCH
FEB21	----	----	3.110	+	0.010	----	----	5574		UNCH
MAR21	----	----	3.054	+	0.010	----	----	6050		UNCH
APR21	----	----	2.742	+	0.008	----	----	6357		UNCH
MAY21	----	----	2.717	+	0.008	----	----	6546		UNCH
JUN21	----	----	2.742	+	0.008	----	----	6411		UNCH
JUL21	----	----	2.769	+	0.008	----	----	6472		UNCH
AUG21	----	----	2.784	+	0.008	----	----	6517		UNCH
SEP21	----	----	2.784	+	0.008	----	----	6263		UNCH
OCT21	----	----	2.810	+	0.008	----	----	6332		UNCH
NOV21	----	----	2.880	+	0.008	----	----	5857		UNCH
DEC21	----	----	3.033	+	0.008	----	----	6036		UNCH
JAN22	----	----	3.143	+	0.008	----	----	4183		UNCH
FEB22	----	----	3.116	+	0.008	----	----	3780		UNCH
MAR22	----	----	3.060	+	0.008	----	----	4191		UNCH
APR22	----	----	2.750	+	0.006	----	----	4254		UNCH
MAY22	----	----	2.730	+	0.006	----	----	4379		UNCH
JUN22	----	----	2.755	+	0.006	----	----	4228		UNCH
JUL22	----	----	2.782	+	0.006	----	----	4351		UNCH
AUG22	----	----	2.802	+	0.006	----	100	4447	+	100
SEP22	----	----	2.802	+	0.006	----	----	4219		UNCH
OCT22	----	----	2.828	+	0.006	----	----	4573		UNCH
NOV22	----	----	2.900	+	0.006	----	----	3929		UNCH
DEC22	----	----	3.053	+	0.006	----	----	4055		UNCH



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NN FUT	HENRY HUB							
JAN23	----	----	3.175	+	0.006	----	2558	UNCH
FEB23	----	----	3.147	+	0.006	----	2470	UNCH
MAR23	----	----	3.090	+	0.006	----	2707	UNCH
APR23	----	----	2.783	+	0.004	----	2654	UNCH
MAY23	----	----	2.765	+	0.004	----	2734	UNCH
JUN23	----	----	2.790	+	0.004	----	2654	UNCH
JUL23	----	----	2.817	+	0.004	----	2710	UNCH
AUG23	----	----	2.840	+	0.004	----	2710	UNCH
SEP23	----	----	2.843	+	0.004	----	2626	UNCH
OCT23	----	----	2.873	+	0.004	----	2710	UNCH
NOV23	----	----	2.948	+	0.004	----	2604	UNCH
DEC23	----	----	3.103	+	0.004	----	2683	UNCH
JAN24	----	----	3.227	+	0.004	----	1935	UNCH
FEB24	----	----	3.199	+	0.004	----	1821	UNCH
MAR24	----	----	3.141	+	0.004	----	1935	UNCH
APR24	----	----	2.836	+	0.004	----	1874	UNCH
MAY24	----	----	2.818	+	0.004	----	1931	UNCH
JUN24	----	----	2.844	+	0.004	----	1874	UNCH
JUL24	----	----	2.872	+	0.004	----	1931	UNCH
AUG24	----	----	2.895	+	0.004	----	1931	UNCH
SEP24	----	----	2.899	+	0.004	----	1870	UNCH
OCT24	----	----	2.931	+	0.004	----	1931	UNCH
NOV24	----	----	3.006	+	0.004	----	1878	UNCH
DEC24	----	----	3.161	+	0.004	----	1935	UNCH
JAN25	----	----	3.286	+	0.004	----	1557	UNCH
FEB25	----	----	3.258	+	0.004	----	1404	UNCH
MAR25	----	----	3.200	+	0.004	----	1557	UNCH
APR25	----	----	2.895	+	0.004	----	1506	UNCH
MAY25	----	----	2.877	+	0.004	----	1557	UNCH
JUN25	----	----	2.905	+	0.004	----	1506	UNCH
JUL25	----	----	2.935	+	0.004	----	1557	UNCH
AUG25	----	----	2.964	+	0.004	----	1557	UNCH
SEP25	----	----	2.968	+	0.004	----	1506	UNCH
OCT25	----	----	3.003	+	0.004	----	1557	UNCH
NOV25	----	----	3.078	+	0.004	----	1506	UNCH
DEC25	----	----	3.233	+	0.004	----	1557	UNCH
JAN26	----	----	3.358	+	0.004	----	394	UNCH
FEB26	----	----	3.330	+	0.004	----	367	UNCH
MAR26	----	----	3.270	+	0.004	----	394	UNCH
APR26	----	----	2.965	+	0.004	----	385	UNCH
MAY26	----	----	2.950	+	0.004	----	394	UNCH
JUN26	----	----	2.978	+	0.004	----	385	UNCH
JUL26	----	----	3.008	+	0.004	----	394	UNCH
AUG26	----	----	3.037	+	0.004	----	394	UNCH
SEP26	----	----	3.045	+	0.004	----	385	UNCH
OCT26	----	----	3.085	+	0.004	----	394	UNCH
NOV26	----	----	3.160	+	0.004	----	385	UNCH
DEC26	----	----	3.315	+	0.004	----	394	UNCH
JAN27	----	----	3.450	+	0.004	----	144	UNCH
FEB27	----	----	3.420	+	0.004	----	132	UNCH
MAR27	----	----	3.355	+	0.004	----	144	UNCH
APR27	----	----	3.047	+	0.004	----	140	UNCH
MAY27	----	----	3.022	+	0.004	----	144	UNCH
JUN27	----	----	3.047	+	0.004	----	140	UNCH
JUL27	----	----	3.076	+	0.004	----	144	UNCH
AUG27	----	----	3.104	+	0.004	----	144	UNCH
SEP27	----	----	3.114	+	0.004	----	140	UNCH
OCT27	----	----	3.154	+	0.004	----	144	UNCH
NOV27	----	----	3.230	+	0.004	----	140	UNCH
DEC27	----	----	3.385	+	0.004	----	144	UNCH
JAN28	----	----	3.525	+	0.004	----	217	UNCH
FEB28	----	----	3.492	+	0.004	----	203	UNCH
MAR28	----	----	3.422	+	0.004	----	217	UNCH
APR28	----	----	3.102	+	0.004	----	210	UNCH
MAY28	----	----	3.087	+	0.004	----	217	UNCH
JUN28	----	----	3.122	+	0.004	----	210	UNCH
JUL28	----	----	3.167	+	0.004	----	217	UNCH
AUG28	----	----	3.207	+	0.004	----	217	UNCH
SEP28	----	----	3.222	+	0.004	----	210	UNCH
OCT28	----	----	3.277	+	0.004	----	217	UNCH
NOV28	----	----	3.355	+	0.004	----	210	UNCH
DEC28	----	----	3.513	+	0.004	----	217	UNCH
JAN29	----	----	3.656	+	0.004	----	31	UNCH
FEB29	----	----	3.621	+	0.004	----	28	UNCH
MAR29	----	----	3.546	+	0.004	----	31	UNCH
APR29	----	----	3.211	+	0.004	----	30	UNCH
MAY29	----	----	3.196	+	0.004	----	31	UNCH
JUN29	----	----	3.231	+	0.004	----	30	UNCH
JUL29	----	----	3.276	+	0.004	----	31	UNCH
AUG29	----	----	3.316	+	0.004	----	31	UNCH
SEP29	----	----	3.331	+	0.004	----	30	UNCH
OCT29	----	----	3.386	+	0.004	----	31	UNCH
NOV29	----	----	3.464	+	0.004	----	30	UNCH
DEC29	----	----	3.624	+	0.004	----	31	UNCH
TOTAL NN FUT						3515	1226367	+ 935
HB FUT	HENRY HUB BASIS							
DEC17	----	----	0.0000		UNCH	----	2387	UNCH
JAN18	----	----	-0.0020		UNCH	----	124	UNCH
FEB18	----	----	-0.0020		UNCH	----	112	UNCH
MAR18	----	----	-0.0020		UNCH	----	124	UNCH
APR18	----	----	-0.0020		UNCH	----	360	UNCH
MAY18	----	----	-0.0020		UNCH	----	372	UNCH
JUN18	----	----	-0.0020		UNCH	----	360	UNCH
JUL18	----	----	-0.0020		UNCH	----	372	UNCH
AUG18	----	----	-0.0020		UNCH	----	372	UNCH
SEP18	----	----	-0.0020		UNCH	----	360	UNCH
OCT18	----	----	-0.0020		UNCH	----	372	UNCH
NOV18	----	----	-0.0020		UNCH	----	120	UNCH
DEC18	----	----	-0.0020		UNCH	----	124	UNCH
TOTAL HB FUT							5559	
IN FUT	HENRY HUB INDEX FUTURE							
NOV17	----	----	0.2490	-	0.0040	----	210	UNCH
DEC17	----	----	0.0000		UNCH	----	217	UNCH
APR18	----	----	0.0000		UNCH	----	240	UNCH
MAY18	----	----	0.0000		UNCH	----	248	UNCH

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	LOBEX OPEN	LOBEX HIGH/LOW	SETT. PRICE & PT. CHGE		LOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
IN FUT	HENRY HUB INDEX FUTURE							
JUN18	----	----	0.0000	UNCH	----	----	240	UNCH
JUL18	----	----	0.0000	UNCH	----	----	248	UNCH
AUG18	----	----	0.0000	UNCH	----	----	248	UNCH
SEP18	----	----	0.0000	UNCH	----	----	240	UNCH
OCT18	----	----	0.0000	UNCH	----	----	248	UNCH
TOTAL IN FUT							2139	
HH FUT	HENRY HUB NG LAST DAY FINANCIAL							
DEC17	3.091	3.107 /3.048A	3.053	- 0.027	2219	403	27502	- 203
JAN18	3.190	3.196B/3.160A	3.153	- 0.026	606	7003	32813	- 5038
FEB18	----	3.192B/3.160A	3.155	- 0.025	651	9000	20854	- 7503
MAR18	3.152	3.152 /3.128A	3.121	- 0.019	503	1396	33427	- 248
APR18	2.942	2.948 /2.932	2.943	+ 0.003	466	----	35832	+ 27
MAY18	----	2.924B	2.928	+ 0.008	263	----	30191	- 82
JUN18	----	----	2.956	+ 0.009	240	----	25781	+ 6
JUL18	2.976	2.976 /2.976	2.987	+ 0.010	276	----	31275	- 2
AUG18	2.978	2.983 /2.978	2.990	+ 0.010	299	----	16412	- 1
SEP18	2.970	2.970 /2.970	2.974	+ 0.010	518	----	17075	- 231
OCT18	2.990	2.994 /2.990	3.000	+ 0.011	271	1250	20480	+ 1214
NOV18	3.041	3.047 /3.035	3.054	+ 0.012	325	----	14646	- 87
DEC18	3.175	3.182 /3.175	3.191	+ 0.015	385	105	14167	- 78
JAN19	3.258	3.258 /3.254	3.274	+ 0.017	59	1030	9952	+ 128
FEB19	3.226	3.228 /3.222	3.243	+ 0.017	82	1030	7877	+ 993
MAR19	3.149	3.155 /3.145	3.169	+ 0.019	165	1130	9380	+ 856
APR19	----	----	2.808	+ 0.019	210	1110	7989	+ 1231
MAY19	----	----	2.760	+ 0.018	110	1110	6153	+ 1145
JUN19	----	----	2.780	+ 0.018	121	1160	6357	+ 1156
JUL19	----	----	2.804	+ 0.017	25	1110	5583	+ 1052
AUG19	2.785	2.785 /2.785	2.804	+ 0.017	372	1110	6031	+ 1399
SEP19	----	----	2.788	+ 0.017	273	1160	5412	+ 1358
OCT19	----	----	2.810	+ 0.017	189	1110	6775	+ 1024
NOV19	----	----	2.867	+ 0.015	207	1100	4633	+ 1107
DEC19	----	----	3.021	+ 0.014	44	1150	4689	+ 970
JAN20	----	----	3.127	+ 0.017	221	75	2963	+ 25
FEB20	----	----	3.101	+ 0.017	----	75	1396	+ 5
MAR20	----	----	3.047	+ 0.016	----	75	1654	- 37
APR20	----	----	2.745	+ 0.012	----	5	1307	- 5
MAY20	----	----	2.720	+ 0.012	----	5	988	+ 5
JUN20	----	----	2.745	+ 0.012	----	5	724	+ 5
JUL20	----	----	2.773	+ 0.012	----	5	680	+ 5
AUG20	----	----	2.788	+ 0.012	----	5	726	+ 5
SEP20	----	----	2.787	+ 0.012	----	5	714	+ 5
OCT20	----	----	2.812	+ 0.011	----	5	935	+ 5
NOV20	----	----	2.879	+ 0.010	----	5	736	UNCH
DEC20	----	----	3.032	+ 0.010	----	5	711	+ 5
JAN21	----	----	3.137	+ 0.010	----	----	400	UNCH
FEB21	----	----	3.110	+ 0.010	----	----	256	UNCH
MAR21	----	----	3.054	+ 0.010	----	----	406	UNCH
APR21	----	----	2.742	+ 0.008	----	----	320	UNCH
MAY21	----	----	2.717	+ 0.008	----	----	131	UNCH
JUN21	----	----	2.742	+ 0.008	----	----	130	UNCH
JUL21	----	----	2.769	+ 0.008	----	----	144	UNCH
AUG21	----	----	2.784	+ 0.008	----	----	559	UNCH
SEP21	----	----	2.784	+ 0.008	----	----	128	UNCH
OCT21	----	----	2.810	+ 0.008	----	----	361	UNCH
NOV21	----	----	2.880	+ 0.008	----	----	174	UNCH
DEC21	----	----	3.033	+ 0.008	----	----	173	UNCH
JAN22	----	----	3.143	+ 0.008	----	----	365	UNCH
FEB22	----	----	3.116	+ 0.008	----	----	60	UNCH
MAR22	----	----	3.060	+ 0.008	----	----	204	UNCH
APR22	----	----	2.750	+ 0.006	----	----	157	UNCH
MAY22	----	----	2.730	+ 0.006	----	----	87	UNCH
JUN22	----	----	2.755	+ 0.006	----	----	37	UNCH
JUL22	----	----	2.782	+ 0.006	----	----	47	UNCH
AUG22	----	----	2.802	+ 0.006	----	----	147	UNCH
SEP22	----	----	2.802	+ 0.006	----	----	46	UNCH
OCT22	----	----	2.828	+ 0.006	----	----	42	UNCH
NOV22	----	----	2.900	+ 0.006	----	----	33	UNCH
DEC22	----	----	3.053	+ 0.006	----	----	33	UNCH
TOTAL HH FUT					9100	32737	419260	+ 216
NPG FUT	HENRY HUB PENULTIMATE FUT							
DEC17	----	----	3.053	- 0.027	----	626	29446	- 90
JAN18	----	----	3.153	- 0.026	----	990	20442	+ 321
FEB18	----	----	3.155	- 0.025	----	144	15610	- 144
MAR18	----	----	3.121	- 0.019	----	154	15745	UNCH
APR18	----	----	2.943	+ 0.003	----	35	12465	UNCH
MAY18	----	----	2.928	+ 0.008	----	----	7716	UNCH
JUN18	----	----	2.956	+ 0.009	----	----	7203	UNCH
JUL18	----	----	2.987	+ 0.010	----	1540	9249	+ 1540
AUG18	----	----	2.990	+ 0.010	----	----	8689	UNCH
SEP18	----	----	2.974	+ 0.010	----	----	7725	UNCH
OCT18	----	----	3.000	+ 0.011	----	----	8460	UNCH
NOV18	----	----	3.054	+ 0.012	----	----	5660	UNCH
DEC18	----	----	3.191	+ 0.015	----	----	6238	UNCH
JAN19	----	----	3.274	+ 0.017	----	----	2500	UNCH
FEB19	----	----	3.243	+ 0.017	----	----	3296	UNCH
MAR19	----	----	3.169	+ 0.019	----	----	3547	UNCH
APR19	----	----	2.808	+ 0.019	----	----	3694	UNCH
MAY19	----	----	2.760	+ 0.018	----	----	2316	UNCH
JUN19	----	----	2.780	+ 0.018	----	----	2316	UNCH
JUL19	----	----	2.804	+ 0.017	----	----	2358	UNCH
AUG19	----	----	2.804	+ 0.017	----	----	2288	UNCH
SEP19	----	----	2.788	+ 0.017	----	----	2288	UNCH
OCT19	----	----	2.810	+ 0.017	----	----	3631	UNCH
NOV19	----	----	2.867	+ 0.015	----	----	2306	UNCH
DEC19	----	----	3.021	+ 0.014	----	----	2381	UNCH
JAN20	----	----	3.127	+ 0.017	----	----	1113	UNCH
FEB20	----	----	3.101	+ 0.017	----	----	1113	UNCH
MAR20	----	----	3.047	+ 0.016	----	----	1113	UNCH
APR20	----	----	2.745	+ 0.012	----	----	1127	UNCH
MAY20	----	----	2.720	+ 0.012	----	----	1127	UNCH
JUN20	----	----	2.745	+ 0.012	----	----	1127	UNCH
JUL20	----	----	2.773	+ 0.012	----	----	1127	UNCH
AUG20	----	----	2.788	+ 0.012	----	----	1127	UNCH
SEP20	----	----	2.787	+ 0.012	----	----	1127	UNCH
OCT20	----	----	2.812	+ 0.011	----	----	1127	UNCH

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ENERGY FUTURES PRODUCTS

Thu, Nov 16, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL® VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
NPG FUT HENRY HUB PENULTIMATE FUT									
NOV20	----	----	2.879	+	0.010	----	1113	UNCH	
DEC20	----	----	3.032	+	0.010	----	1113	UNCH	
JAN21	----	----	3.137	+	0.010	----	488	UNCH	
FEB21	----	----	3.110	+	0.010	----	488	UNCH	
MAR21	----	----	3.054	+	0.010	----	488	UNCH	
APR21	----	----	2.742	+	0.008	----	488	UNCH	
MAY21	----	----	2.717	+	0.008	----	488	UNCH	
JUN21	----	----	2.742	+	0.008	----	488	UNCH	
JUL21	----	----	2.769	+	0.008	----	488	UNCH	
AUG21	----	----	2.784	+	0.008	----	488	UNCH	
SEP21	----	----	2.784	+	0.008	----	488	UNCH	
OCT21	----	----	2.810	+	0.008	----	488	UNCH	
NOV21	----	----	2.880	+	0.008	----	488	UNCH	
DEC21	----	----	3.033	+	0.008	----	488	UNCH	
JAN22	----	----	3.143	+	0.008	----	79	UNCH	
FEB22	----	----	3.116	+	0.008	----	79	UNCH	
MAR22	----	----	3.060	+	0.008	----	79	UNCH	
APR22	----	----	2.750	+	0.006	----	79	UNCH	
MAY22	----	----	2.730	+	0.006	----	79	UNCH	
JUN22	----	----	2.755	+	0.006	----	79	UNCH	
JUL22	----	----	2.782	+	0.006	----	79	UNCH	
AUG22	----	----	2.802	+	0.006	----	79	UNCH	
SEP22	----	----	2.802	+	0.006	----	79	UNCH	
OCT22	----	----	2.828	+	0.006	----	79	UNCH	
NOV22	----	----	2.900	+	0.006	----	79	UNCH	
DEC22	----	----	3.053	+	0.006	----	79	UNCH	
JAN23	----	----	3.175	+	0.006	----	412	UNCH	
FEB23	----	----	3.147	+	0.006	----	412	UNCH	
MAR23	----	----	3.090	+	0.006	----	412	UNCH	
APR23	----	----	2.783	+	0.004	----	412	UNCH	
MAY23	----	----	2.765	+	0.004	----	412	UNCH	
JUN23	----	----	2.790	+	0.004	----	412	UNCH	
JUL23	----	----	2.817	+	0.004	----	412	UNCH	
AUG23	----	----	2.840	+	0.004	----	412	UNCH	
SEP23	----	----	2.843	+	0.004	----	412	UNCH	
OCT23	----	----	2.873	+	0.004	----	412	UNCH	
NOV23	----	----	2.948	+	0.004	----	412	UNCH	
DEC23	----	----	3.103	+	0.004	----	412	UNCH	
JAN24	----	----	3.227	+	0.004	----	552	UNCH	
FEB24	----	----	3.199	+	0.004	----	552	UNCH	
MAR24	----	----	3.141	+	0.004	----	552	UNCH	
APR24	----	----	2.836	+	0.004	----	552	UNCH	
MAY24	----	----	2.818	+	0.004	----	552	UNCH	
JUN24	----	----	2.844	+	0.004	----	552	UNCH	
JUL24	----	----	2.872	+	0.004	----	552	UNCH	
AUG24	----	----	2.895	+	0.004	----	552	UNCH	
SEP24	----	----	2.899	+	0.004	----	552	UNCH	
OCT24	----	----	2.931	+	0.004	----	552	UNCH	
NOV24	----	----	3.006	+	0.004	----	552	UNCH	
DEC24	----	----	3.161	+	0.004	----	552	UNCH	
JAN25	----	----	3.286	+	0.004	----	8	UNCH	
FEB25	----	----	3.258	+	0.004	----	8	UNCH	
MAR25	----	----	3.200	+	0.004	----	8	UNCH	
APR25	----	----	2.895	+	0.004	----	8	UNCH	
MAY25	----	----	2.877	+	0.004	----	8	UNCH	
JUN25	----	----	2.905	+	0.004	----	8	UNCH	
JUL25	----	----	2.935	+	0.004	----	8	UNCH	
AUG25	----	----	2.964	+	0.004	----	8	UNCH	
SEP25	----	----	2.968	+	0.004	----	8	UNCH	
OCT25	----	----	3.003	+	0.004	----	8	UNCH	
NOV25	----	----	3.078	+	0.004	----	8	UNCH	
DEC25	----	----	3.233	+	0.004	----	8	UNCH	
TOTAL	NPG FUT					3489	219491	+	1627
NHN FUT HOUSTON SHIP CHANNEL BASIS									
DEC17	----	----	-0.1020	-	0.0010	----	834	UNCH	
JAN18	----	----	-0.1280		UNCH	----	744	UNCH	
FEB18	----	----	-0.1260	+	0.0010	----	672	UNCH	
MAR18	----	----	-0.1140	+	0.0030	----	1144	UNCH	
APR18	----	----	-0.0200	+	0.0010	----	540	UNCH	
MAY18	----	----	-0.0150	-	0.0010	----	558	UNCH	
JUN18	----	----	-0.0200	+	0.0010	----	540	UNCH	
JUL18	----	----	-0.0410	-	0.0030	----	558	UNCH	
AUG18	----	----	-0.0440	-	0.0060	----	558	UNCH	
SEP18	----	----	-0.0460	-	0.0050	----	540	UNCH	
OCT18	----	----	-0.0560	+	0.0030	----	558	UNCH	
NOV18	----	----	-0.0700	-	0.0020	----	450	UNCH	
DEC18	----	----	-0.0940		UNCH	----	465	UNCH	
JAN19	----	----	-0.1370	+	0.0020	----	527	UNCH	
FEB19	----	----	-0.1470	+	0.0020	----	476	UNCH	
MAR19	----	----	-0.1370	+	0.0020	----	527	UNCH	
APR19	----	----	-0.0370		UNCH	----	510	UNCH	
MAY19	----	----	-0.0220		UNCH	----	527	UNCH	
JUN19	----	----	-0.0220		UNCH	----	510	UNCH	
JUL19	----	----	-0.0430		UNCH	----	527	UNCH	
AUG19	----	----	-0.0430		UNCH	----	527	UNCH	
SEP19	----	----	-0.0450		UNCH	----	510	UNCH	
OCT19	----	----	-0.0500		UNCH	----	527	UNCH	
NOV19	----	----	-0.0720		UNCH	----	510	UNCH	
DEC19	----	----	-0.0940		UNCH	----	527	UNCH	
JAN20	----	----	-0.1260	+	0.0010	----	279	UNCH	
FEB20	----	----	-0.1310	+	0.0010	----	261	UNCH	
MAR20	----	----	-0.1100		UNCH	----	279	UNCH	
APR20	----	----	-0.0430		UNCH	----	270	UNCH	
MAY20	----	----	-0.0280		UNCH	----	279	UNCH	
JUN20	----	----	-0.0280		UNCH	----	270	UNCH	
JUL20	----	----	-0.0490	-	0.0010	----	279	UNCH	
AUG20	----	----	-0.0490	-	0.0010	----	279	UNCH	
SEP20	----	----	-0.0510		UNCH	----	270	UNCH	
OCT20	----	----	-0.0560		UNCH	----	279	UNCH	
NOV20	----	----	-0.0540		UNCH	----	270	UNCH	
DEC20	----	----	-0.0810	+	0.0010	----	279	UNCH	
JAN21	----	----	-0.1080	+	0.0010	----	155	UNCH	
FEB21	----	----	-0.1140	+	0.0010	----	140	UNCH	
MAR21	----	----	-0.0980	+	0.0010	----	155	UNCH	
APR21	----	----	-0.0220		UNCH	----	150	UNCH	
MAY21	----	----	-0.0070		UNCH	----	155	UNCH	

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ENERGY FUTURES PRODUCTS

Thu, Nov 16, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
NHN FUT	HOUSTON SHIP CHANNEL BASIS							
JUN21	----	----	-0.0070	UNCH	----	----	150	UNCH
JUL21	----	----	-0.0270	UNCH	----	----	155	UNCH
AUG21	----	----	-0.0270	UNCH	----	----	155	UNCH
SEP21	----	----	-0.0300	UNCH	----	----	150	UNCH
OCT21	----	----	-0.0350	UNCH	----	----	155	UNCH
NOV21	----	----	-0.0610	UNCH	----	----	150	UNCH
DEC21	----	----	-0.0900	+ 0.0010	----	----	155	UNCH
TOTAL	NHN FUT						19485	
JKM FUT	LNG JAPAN KOREA MARKER PLATTS							
JAN18	----	----	9.675	- 0.150	----	----	75	UNCH
FEB18	----	----	9.650	- 0.100	----	----	75	UNCH
MAR18	----	----	8.550	UNCH	----	----	75	UNCH
APR18	----	----	7.300	+ 0.025	----	----	45	UNCH
MAY18	----	----	6.800	+ 0.025	----	----	45	UNCH
JUN18	----	----	6.450	+ 0.025	----	----	45	UNCH
JAN19	----	----	7.945	+ 0.020	----	----	15	UNCH
FEB19	----	----	8.035	- 0.040	----	----	15	UNCH
MAR19	----	----	7.870	+ 0.175	----	----	15	UNCH
APR19	----	----	6.945	+ 0.035	----	----	15	UNCH
MAY19	----	----	6.490	+ 0.025	----	----	15	UNCH
JUN19	----	----	5.980	+ 0.015	----	----	15	UNCH
JUL19	----	----	5.910	+ 0.115	----	----	15	UNCH
AUG19	----	----	5.545	+ 0.045	----	----	15	UNCH
SEP19	----	----	5.900	+ 0.115	----	----	15	UNCH
OCT19	----	----	6.205	+ 0.020	----	----	15	UNCH
NOV19	----	----	7.000	+ 0.035	----	----	15	UNCH
DEC19	----	----	7.470	+ 0.040	----	----	15	UNCH
TOTAL	JKM FUT						540	
NF FUT	MICHIGAN BASIS							
DEC17	----	----	-0.0560	- 0.0150	----	----	496	UNCH
JAN18	----	----	-0.0700	- 0.0370	----	----	378	UNCH
FEB18	----	----	-0.0400	- 0.0440	----	----	354	UNCH
MAR18	----	----	-0.0640	- 0.0180	----	----	378	UNCH
APR18	----	----	-0.1420	- 0.0030	----	----	220	UNCH
MAY18	----	----	-0.2170	- 0.0030	----	----	223	UNCH
JUN18	----	----	-0.2580	- 0.0040	----	----	220	UNCH
JUL18	----	----	-0.2920	- 0.0050	----	----	223	UNCH
AUG18	----	----	-0.2800	- 0.0030	----	----	223	UNCH
SEP18	----	----	-0.2920	- 0.0050	----	----	220	UNCH
OCT18	----	----	-0.3090	UNCH	----	----	223	UNCH
NOV18	----	----	-0.1440	- 0.0170	----	----	280	UNCH
DEC18	----	----	-0.1490	- 0.0170	----	----	285	UNCH
JAN19	----	----	-0.1250	- 0.0150	----	----	155	UNCH
FEB19	----	----	-0.0720	- 0.0120	----	----	140	UNCH
MAR19	----	----	-0.1120	- 0.0150	----	----	155	UNCH
APR19	----	----	-0.1700	- 0.0080	----	----	30	UNCH
MAY19	----	----	-0.2300	- 0.0080	----	----	31	UNCH
JUN19	----	----	-0.3110	- 0.0090	----	----	30	UNCH
JUL19	----	----	-0.3310	- 0.0080	----	----	31	UNCH
AUG19	----	----	-0.3340	- 0.0090	----	----	31	UNCH
SEP19	----	----	-0.3310	- 0.0080	----	----	30	UNCH
OCT19	----	----	-0.3520	- 0.0080	----	----	31	UNCH
NOV19	----	----	-0.1240	- 0.0110	----	----	120	UNCH
DEC19	----	----	-0.1290	- 0.0110	----	----	124	UNCH
JAN20	----	----	-0.1380	- 0.0120	----	----	124	UNCH
FEB20	----	----	-0.0980	- 0.0110	----	----	116	UNCH
MAR20	----	----	-0.1250	- 0.0110	----	----	124	UNCH
APR20	----	----	-0.1730	- 0.0130	----	----	120	UNCH
MAY20	----	----	-0.2090	- 0.0130	----	----	124	UNCH
JUN20	----	----	-0.2920	- 0.0130	----	----	120	UNCH
JUL20	----	----	-0.3100	- 0.0130	----	----	124	UNCH
AUG20	----	----	-0.3120	- 0.0120	----	----	124	UNCH
SEP20	----	----	-0.3120	- 0.0120	----	----	120	UNCH
OCT20	----	----	-0.3310	- 0.0130	----	----	124	UNCH
TOTAL	NF FUT						5851	
NL FUT	NGPL MID-CONTINENT							
DEC17	----	----	-0.3140	- 0.0050	----	----	2219	UNCH
JAN18	----	----	-0.2870	- 0.0040	----	----	620	UNCH
FEB18	----	----	-0.2990	- 0.0030	----	----	560	UNCH
MAR18	----	----	-0.4240	- 0.0090	----	----	620	UNCH
APR18	----	----	-0.4230	- 0.0030	----	----	930	UNCH
MAY18	----	----	-0.4590	UNCH	----	----	961	UNCH
JUN18	----	----	-0.4560	- 0.0020	----	----	930	UNCH
JUL18	----	----	-0.4060	- 0.0010	----	----	961	UNCH
AUG18	----	----	-0.4080	- 0.0010	----	----	961	UNCH
SEP18	----	----	-0.4360	- 0.0010	----	----	930	UNCH
OCT18	----	----	-0.4430	- 0.0010	----	----	961	UNCH
NOV18	----	----	-0.4020	+ 0.0010	----	----	810	UNCH
DEC18	----	----	-0.3270	+ 0.0020	----	----	837	UNCH
JAN19	----	----	-0.3150	+ 0.0010	----	----	837	UNCH
FEB19	----	----	-0.3050	+ 0.0010	----	----	756	UNCH
MAR19	----	----	-0.3990	+ 0.0020	----	----	837	UNCH
APR19	----	----	-0.4160	- 0.0040	----	----	840	UNCH
MAY19	----	----	-0.4520	- 0.0030	----	----	868	UNCH
JUN19	----	----	-0.4500	- 0.0040	----	----	840	UNCH
JUL19	----	----	-0.4290	- 0.0040	----	----	868	UNCH
AUG19	----	----	-0.4310	- 0.0030	----	----	868	UNCH
SEP19	----	----	-0.4630	- 0.0040	----	----	840	UNCH
OCT19	----	----	-0.4470	- 0.0040	----	----	868	UNCH
NOV19	----	----	-0.3660	UNCH	----	----	600	UNCH
DEC19	----	----	-0.2910	+ 0.0010	----	----	620	UNCH
JAN20	----	----	-0.2760	+ 0.0010	----	----	620	UNCH
FEB20	----	----	-0.2690	+ 0.0010	----	----	580	UNCH
MAR20	----	----	-0.3600	+ 0.0010	----	----	620	UNCH
TOTAL	NL FUT						23762	
PD FUT	NGPL TEX /OK							
DEC17	----	----	-0.1600	+ 0.0020	----	----	1534	UNCH
JAN18	----	----	-0.1820	- 0.0010	----	----	1209	UNCH
FEB18	----	----	-0.1780	+ 0.0020	----	----	1092	UNCH
MAR18	----	----	-0.1800	UNCH	----	----	1209	UNCH
APR18	----	----	-0.1490	- 0.0010	----	----	930	UNCH
MAY18	----	----	-0.1570	- 0.0020	----	----	961	UNCH
JUN18	----	----	-0.1540	- 0.0010	----	----	930	UNCH

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PD FUT NGPL TEX /OK								
JUL18	----	----	-0.1490	- 0.0010	----	----	961	UNCH
AUG18	----	----	-0.1540	- 0.0010	----	----	961	UNCH
SEP18	----	----	-0.1640	- 0.0010	----	----	930	UNCH
OCT18	----	----	-0.1720	- 0.0020	----	----	961	UNCH
NOV18	----	----	-0.1740	+ 0.0010	----	----	810	UNCH
DEC18	----	----	-0.1820	UNCH	----	----	837	UNCH
JAN19	----	----	-0.1890	+ 0.0010	----	----	651	UNCH
FEB19	----	----	-0.1970	+ 0.0010	----	----	588	UNCH
MAR19	----	----	-0.1920	UNCH	----	----	651	UNCH
APR19	----	----	-0.1450	- 0.0030	----	----	630	UNCH
MAY19	----	----	-0.1690	- 0.0030	----	----	651	UNCH
JUN19	----	----	-0.1710	- 0.0030	----	----	630	UNCH
JUL19	----	----	-0.1580	- 0.0030	----	----	651	UNCH
AUG19	----	----	-0.1530	- 0.0030	----	----	651	UNCH
SEP19	----	----	-0.1790	- 0.0030	----	----	630	UNCH
OCT19	----	----	-0.1870	- 0.0030	----	----	651	UNCH
NOV19	----	----	-0.1740	UNCH	----	----	630	UNCH
DEC19	----	----	-0.1880	UNCH	----	----	651	UNCH
JAN20	----	----	-0.2010	UNCH	----	----	620	UNCH
FEB20	----	----	-0.2030	UNCH	----	----	580	UNCH
MAR20	----	----	-0.1990	UNCH	----	----	620	UNCH
TOTAL							22810	
PE FUT NORTHERN NATURAL GAS DEMARCATON								
DEC17	----	----	-0.0410	- 0.0190	----	----	186	UNCH
JAN18	----	----	0.0340	- 0.0370	----	----	186	UNCH
FEB18	----	----	0.0580	- 0.0290	----	----	168	UNCH
MAR18	----	----	-0.2130	- 0.0110	----	----	186	UNCH
APR18	----	----	-0.2940	+ 0.0030	----	----	128	UNCH
MAY18	----	----	-0.4430	- 0.0010	----	----	132	UNCH
JUN18	----	----	-0.4870	- 0.0020	----	----	128	UNCH
JUL18	----	----	-0.3820	- 0.0030	----	----	132	UNCH
AUG18	----	----	-0.3820	- 0.0030	----	----	132	UNCH
SEP18	----	----	-0.4020	UNCH	----	----	128	UNCH
OCT18	----	----	-0.4070	- 0.0030	----	----	132	UNCH
NOV18	----	----	-0.2740	- 0.0210	----	----	8	UNCH
DEC18	----	----	-0.1940	- 0.0160	----	----	8	UNCH
APR19	----	----	-0.3120	- 0.0050	----	----	60	UNCH
MAY19	----	----	-0.4680	- 0.0040	----	----	62	UNCH
JUN19	----	----	-0.4710	- 0.0050	----	----	60	UNCH
JUL19	----	----	-0.3950	- 0.0040	----	----	62	UNCH
AUG19	----	----	-0.3900	- 0.0050	----	----	62	UNCH
SEP19	----	----	-0.4370	- 0.0050	----	----	60	UNCH
OCT19	----	----	-0.4580	- 0.0050	----	----	62	UNCH
TOTAL							2082	
PF FUT NORTHERN NATURAL GAS VENTURA IOWA								
DEC17	----	----	0.0040	- 0.0230	----	----	186	UNCH
JAN18	----	----	0.1920	+ 0.0020	----	----	31	UNCH
FEB18	----	----	0.2120	+ 0.0040	----	----	28	UNCH
MAR18	----	----	-0.1870	+ 0.0020	----	----	31	UNCH
APR18	----	----	-0.2710	- 0.0010	----	----	12	UNCH
MAY18	----	----	-0.3980	UNCH	----	----	12	UNCH
JUN18	----	----	-0.4360	UNCH	----	----	12	UNCH
JUL18	----	----	-0.3780	- 0.0020	----	----	12	UNCH
AUG18	----	----	-0.3780	- 0.0020	----	----	12	UNCH
SEP18	----	----	-0.4000	UNCH	----	----	12	UNCH
OCT18	----	----	-0.3900	- 0.0020	----	----	12	UNCH
APR19	----	----	-0.3300	- 0.0010	----	----	180	UNCH
MAY19	----	----	-0.4190	- 0.0010	----	----	186	UNCH
JUN19	----	----	-0.4480	- 0.0020	----	----	180	UNCH
JUL19	----	----	-0.3980	- 0.0010	----	----	186	UNCH
AUG19	----	----	-0.3980	- 0.0010	----	----	186	UNCH
SEP19	----	----	-0.4190	- 0.0010	----	----	180	UNCH
OCT19	----	----	-0.4010	- 0.0020	----	----	186	UNCH
TOTAL							1644	
XR FUT NORTHERN ROCKIES PIPE								
DEC17	----	----	2.817	- 0.037	----	----	31	UNCH
JAN18	----	----	2.901	- 0.034	----	----	31	UNCH
FEB18	----	----	2.849	- 0.033	----	----	28	UNCH
MAR18	----	----	2.655	- 0.027	----	----	31	UNCH
APR18	----	----	2.338	- 0.018	----	----	30	UNCH
MAY18	----	----	2.273	- 0.013	----	----	31	UNCH
JUN18	----	----	2.386	+ 0.006	----	----	30	UNCH
TOTAL							212	
NR FUT NORTHWEST ROCKIES BASIS FUTURE								
DEC17	----	----	-0.2360	- 0.0100	----	----	2852	UNCH
JAN18	----	----	-0.2520	- 0.0080	----	----	1798	UNCH
FEB18	----	----	-0.3060	- 0.0080	----	----	1624	UNCH
MAR18	----	----	-0.4660	- 0.0080	----	----	1798	UNCH
APR18	----	----	-0.6050	- 0.0210	----	----	1800	UNCH
MAY18	----	----	-0.6550	- 0.0210	----	----	1860	UNCH
JUN18	----	----	-0.5700	- 0.0030	----	----	1800	UNCH
JUL18	----	----	-0.4940	- 0.0020	----	----	2015	UNCH
AUG18	----	----	-0.4940	- 0.0020	----	----	2077	UNCH
SEP18	----	----	-0.4940	- 0.0020	----	----	2010	UNCH
OCT18	----	----	-0.5220	- 0.0020	----	----	1767	UNCH
NOV18	----	----	-0.4150	- 0.0060	----	----	1710	UNCH
DEC18	----	----	-0.2410	- 0.0030	----	----	1767	UNCH
JAN19	----	----	-0.2940	- 0.0040	----	----	1333	UNCH
FEB19	----	----	-0.2910	- 0.0030	----	----	1204	UNCH
MAR19	----	----	-0.4180	- 0.0060	----	----	1333	UNCH
APR19	----	----	-0.5760	- 0.0110	----	----	1320	UNCH
MAY19	----	----	-0.5580	- 0.0110	----	----	1364	UNCH
JUN19	----	----	-0.5690	- 0.0120	----	----	1320	UNCH
JUL19	----	----	-0.4590	- 0.0110	----	----	1364	UNCH
AUG19	----	----	-0.4590	- 0.0110	----	----	1364	UNCH
SEP19	----	----	-0.4750	- 0.0120	----	----	1320	UNCH
OCT19	----	----	-0.5010	- 0.0120	----	----	1364	UNCH
NOV19	----	----	-0.3750	- 0.0010	----	----	1170	UNCH
DEC19	----	----	-0.2500	- 0.0010	----	----	1209	UNCH
JAN20	----	----	-0.2820	UNCH	----	----	124	UNCH
FEB20	----	----	-0.2870	- 0.0010	----	----	116	UNCH
MAR20	----	----	-0.3680	- 0.0010	----	----	124	UNCH
APR20	----	----	-0.5250	- 0.0010	----	----	60	UNCH



FINAL

PG61 BULLETIN #222@

ENERGY FUTURES PRODUCTS

Thu, Nov 16, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
NR FUT		NORTHWEST ROCKIES BASIS FUTURE						
MAY20	----	----	-0.5480	- 0.0010	----	----	62	UNCH
JUN20	----	----	-0.5560	- 0.0010	----	----	60	UNCH
JUL20	----	----	-0.4710	- 0.0010	----	----	62	UNCH
AUG20	----	----	-0.4710	- 0.0010	----	----	62	UNCH
SEP20	----	----	-0.4830	- 0.0020	----	----	60	UNCH
OCT20	----	----	-0.4740	- 0.0020	----	----	62	UNCH
NOV20	----	----	-0.4050	- 0.0010	----	----	60	UNCH
DEC20	----	----	-0.2890	- 0.0010	----	----	62	UNCH
TOTAL							41457	
HP FUT		NYMEX NATURAL GAS FUTURES						
DEC17	----	----	3.053	- 0.027	205	599	21551 + 166	
JAN18	----	----	3.153	- 0.026	79	435	13302 + 158	
FEB18	----	----	3.155	- 0.025	----	793	11089 + 78	
MAR18	----	----	3.121	- 0.019	----	226	21884 + 75	
APR18	----	----	2.943	+ 0.003	----	161	9926 + 154	
MAY18	----	----	2.928	+ 0.008	----	55	3631 - 25	
JUN18	----	----	2.956	+ 0.009	----	----	3653	UNCH
JUL18	----	----	2.987	+ 0.010	----	----	3236	UNCH
AUG18	----	----	2.990	+ 0.010	----	----	3165	UNCH
SEP18	----	----	2.974	+ 0.010	----	----	2449	UNCH
OCT18	----	----	3.000	+ 0.011	----	24	2963	UNCH
NOV18	----	----	3.054	+ 0.012	----	----	2408	UNCH
DEC18	----	----	3.191	+ 0.015	----	----	2116	UNCH
JAN19	----	----	3.274	+ 0.017	----	----	1445	UNCH
FEB19	----	----	3.243	+ 0.017	----	----	1398	UNCH
MAR19	----	----	3.169	+ 0.019	----	----	2822	UNCH
APR19	----	----	2.808	+ 0.019	----	----	3274	UNCH
MAY19	----	----	2.760	+ 0.018	----	----	675	UNCH
JUN19	----	----	2.780	+ 0.018	----	----	675	UNCH
JUL19	----	----	2.804	+ 0.017	----	----	689	UNCH
AUG19	----	----	2.804	+ 0.017	----	----	720	UNCH
SEP19	----	----	2.788	+ 0.017	----	----	689	UNCH
OCT19	----	----	2.810	+ 0.017	----	----	773	UNCH
NOV19	----	----	2.867	+ 0.015	----	----	621	UNCH
DEC19	----	----	3.021	+ 0.014	----	----	574	UNCH
JAN20	----	----	3.127	+ 0.017	----	----	729	UNCH
FEB20	----	----	3.101	+ 0.017	----	----	729	UNCH
MAR20	----	----	3.047	+ 0.016	----	----	729	UNCH
APR20	----	----	2.745	+ 0.012	----	----	326	UNCH
MAY20	----	----	2.720	+ 0.012	----	----	326	UNCH
JUN20	----	----	2.745	+ 0.012	----	----	326	UNCH
JUL20	----	----	2.773	+ 0.012	----	----	326	UNCH
AUG20	----	----	2.788	+ 0.012	----	----	326	UNCH
SEP20	----	----	2.787	+ 0.012	----	----	326	UNCH
OCT20	----	----	2.812	+ 0.011	----	----	326	UNCH
NOV20	----	----	2.879	+ 0.010	----	----	326	UNCH
DEC20	----	----	3.032	+ 0.010	----	----	326	UNCH
JAN21	----	----	3.137	+ 0.010	----	----	205	UNCH
FEB21	----	----	3.110	+ 0.010	----	----	205	UNCH
MAR21	----	----	3.054	+ 0.010	----	----	205	UNCH
APR21	----	----	2.742	+ 0.008	----	----	205	UNCH
MAY21	----	----	2.717	+ 0.008	----	----	205	UNCH
JUN21	----	----	2.742	+ 0.008	----	----	205	UNCH
JUL21	----	----	2.769	+ 0.008	----	----	205	UNCH
AUG21	----	----	2.784	+ 0.008	----	----	205	UNCH
SEP21	----	----	2.784	+ 0.008	----	----	205	UNCH
OCT21	----	----	2.810	+ 0.008	----	----	205	UNCH
NOV21	----	----	2.880	+ 0.008	----	----	205	UNCH
DEC21	----	----	3.033	+ 0.008	----	----	205	UNCH
JAN22	----	----	3.143	+ 0.008	----	----	115	UNCH
FEB22	----	----	3.116	+ 0.008	----	----	115	UNCH
MAR22	----	----	3.060	+ 0.008	----	----	115	UNCH
APR22	----	----	2.750	+ 0.006	----	----	115	UNCH
MAY22	----	----	2.730	+ 0.006	----	----	115	UNCH
JUN22	----	----	2.755	+ 0.006	----	----	115	UNCH
JUL22	----	----	2.782	+ 0.006	----	----	115	UNCH
AUG22	----	----	2.802	+ 0.006	----	----	115	UNCH
SEP22	----	----	2.802	+ 0.006	----	----	115	UNCH
OCT22	----	----	2.828	+ 0.006	----	----	115	UNCH
NOV22	----	----	2.900	+ 0.006	----	----	115	UNCH
DEC22	----	----	3.053	+ 0.006	----	----	115	UNCH
TOTAL					284	2293	124689 + 606	
8X FUT		ONEOK OKLAHOMA NG BASIS						
DEC17	----	----	-0.5170	- 0.0170	----	----	31	UNCH
JAN18	----	----	-0.5030	- 0.0160	----	----	62	UNCH
FEB18	----	----	-0.4600	- 0.0130	----	----	56	UNCH
MAR18	----	----	-0.5820	- 0.0140	----	----	62	UNCH
APR18	----	----	-0.6440	- 0.0070	----	----	60	UNCH
MAY18	----	----	-0.6700	- 0.0030	----	----	62	UNCH
JUN18	----	----	-0.6620	- 0.0050	----	----	60	UNCH
JUL18	----	----	-0.6110	- 0.0040	----	----	62	UNCH
AUG18	----	----	-0.6110	- 0.0040	----	----	62	UNCH
SEP18	----	----	-0.6330	- 0.0030	----	----	60	UNCH
OCT18	----	----	-0.6610	- 0.0040	----	----	62	UNCH
NOV18	----	----	-0.5310	- 0.0050	----	----	60	UNCH
DEC18	----	----	-0.4840	- 0.0060	----	----	62	UNCH
TOTAL							761	
PH FUT		PANHANDLE BASIS FUTURE						
DEC17	----	----	-0.4080	- 0.0230	----	----	1392	UNCH
JAN18	----	----	-0.3570	- 0.0130	----	----	772	UNCH
FEB18	----	----	-0.3670	- 0.0080	----	----	736	UNCH
MAR18	----	----	-0.5040	- 0.0160	----	----	767	UNCH
APR18	----	----	-0.5550	- 0.0090	----	----	730	UNCH
MAY18	----	----	-0.5800	- 0.0060	----	----	753	UNCH
JUN18	----	----	-0.5780	- 0.0090	----	----	730	UNCH
JUL18	----	----	-0.5290	- 0.0050	----	----	753	UNCH
AUG18	----	----	-0.5290	- 0.0050	----	----	753	UNCH
SEP18	----	----	-0.5550	- 0.0060	----	----	730	UNCH
OCT18	----	----	-0.5830	- 0.0070	----	----	753	UNCH
NOV18	----	----	-0.4700	+ 0.0010	----	----	704	UNCH
DEC18	----	----	-0.4220	+ 0.0020	----	----	725	UNCH
JAN19	----	----	-0.4230	+ 0.0010	----	----	217	UNCH
FEB19	----	----	-0.4170	+ 0.0020	----	----	196	UNCH
MAR19	----	----	-0.4570	+ 0.0020	----	----	217	UNCH

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FINAL

PG61 BULLETIN #222@

ENERGY FUTURES PRODUCTS

Thu, Nov 16, 2017 PG61

	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
PH FUT		PANHANDLE BASIS		FUTURE				
APR19	----	----	-0.4720	- 0.0090	----	----	360	UNCH
MAY19	----	----	-0.5690	- 0.0090	----	----	372	UNCH
JUN19	----	----	-0.5640	- 0.0090	----	----	360	UNCH
JUL19	----	----	-0.5530	- 0.0090	----	----	372	UNCH
AUG19	----	----	-0.5530	- 0.0090	----	----	372	UNCH
SEP19	----	----	-0.5740	- 0.0090	----	----	360	UNCH
OCT19	----	----	-0.5610	- 0.0090	----	----	372	UNCH
NOV19	----	----	-0.3810	UNCH	----	----	120	UNCH
DEC19	----	----	-0.3380	+ 0.0010	----	----	124	UNCH
JAN20	----	----	-0.3420	+ 0.0010	----	----	62	UNCH
FEB20	----	----	-0.3380	+ 0.0010	----	----	58	UNCH
MAR20	----	----	-0.3700	+ 0.0010	----	----	62	UNCH
APR20	----	----	-0.4170	- 0.0140	----	----	121	UNCH
MAY20	----	----	-0.5140	- 0.0140	----	----	124	UNCH
JUN20	----	----	-0.5050	- 0.0140	----	----	121	UNCH
JUL20	----	----	-0.4940	- 0.0140	----	----	123	UNCH
AUG20	----	----	-0.4920	- 0.0140	----	----	123	UNCH
SEP20	----	----	-0.5100	- 0.0140	----	----	120	UNCH
OCT20	----	----	-0.5050	- 0.0140	----	----	123	UNCH
NOV20	----	----	-0.3600	+ 0.0080	----	----	30	UNCH
DEC20	----	----	-0.3190	+ 0.0080	----	----	30	UNCH
APR21	----	----	-0.3800	+ 0.0010	----	----	30	UNCH
MAY21	----	----	-0.4820	+ 0.0010	----	----	31	UNCH
JUN21	----	----	-0.4600	+ 0.0010	----	----	30	UNCH
JUL21	----	----	-0.4480	+ 0.0020	----	----	31	UNCH
AUG21	----	----	-0.4480	+ 0.0020	----	----	31	UNCH
SEP21	----	----	-0.4650	+ 0.0010	----	----	30	UNCH
OCT21	----	----	-0.4730	+ 0.0010	----	----	31	UNCH
TOTAL PH FUT							15051	
XH FUT		PANHANDLE PIPE						
DEC17	----	----	2.645	- 0.050	----	----	72	UNCH
JAN18	----	----	2.796	- 0.039	----	----	269	UNCH
FEB18	----	----	2.788	- 0.033	----	----	269	UNCH
MAR18	----	----	2.617	- 0.035	----	----	269	UNCH
APR18	----	----	2.388	- 0.006	----	----	269	UNCH
MAY18	----	----	2.348	+ 0.002	----	----	269	UNCH
JUN18	----	----	2.378	UNCH	----	----	269	UNCH
JUL18	----	----	2.458	+ 0.005	----	----	197	UNCH
AUG18	----	----	2.461	+ 0.005	----	----	197	UNCH
SEP18	----	----	2.419	+ 0.004	----	----	197	UNCH
OCT18	----	----	2.417	+ 0.004	----	----	197	UNCH
NOV18	----	----	2.584	+ 0.013	----	----	197	UNCH
DEC18	----	----	2.769	+ 0.017	----	----	197	UNCH
TOTAL XH FUT							2868	
PM FUT		PERMIAN BASIS						
DEC17	----	----	-0.4910	- 0.0390	----	----	310	UNCH
JAN18	----	----	-0.4480	- 0.0360	----	----	558	UNCH
FEB18	----	----	-0.4910	- 0.0310	----	----	504	UNCH
MAR18	----	----	-0.6140	- 0.0270	----	----	558	UNCH
APR18	----	----	-0.7010	- 0.0040	----	----	420	UNCH
MAY18	----	----	-0.7240	- 0.0050	----	----	434	UNCH
JUN18	----	----	-0.7040	- 0.0050	----	----	420	UNCH
JUL18	----	----	-0.6560	- 0.0040	----	----	434	UNCH
AUG18	----	----	-0.5960	- 0.0040	----	----	434	UNCH
SEP18	----	----	-0.6360	- 0.0040	----	----	420	UNCH
OCT18	----	----	-0.7660	- 0.0030	----	----	434	UNCH
NOV18	----	----	-0.6890	- 0.0130	----	----	240	UNCH
DEC18	----	----	-0.5490	- 0.0160	----	----	248	UNCH
JAN19	----	----	-0.6050	- 0.0140	----	----	186	UNCH
FEB19	----	----	-0.5780	- 0.0120	----	----	168	UNCH
MAR19	----	----	-0.6020	- 0.0140	----	----	186	UNCH
APR19	----	----	-0.7150	- 0.0110	----	----	120	UNCH
MAY19	----	----	-0.7180	- 0.0110	----	----	124	UNCH
JUN19	----	----	-0.7210	- 0.0120	----	----	120	UNCH
JUL19	----	----	-0.6610	- 0.0120	----	----	124	UNCH
AUG19	----	----	-0.6300	- 0.0130	----	----	124	UNCH
SEP19	----	----	-0.6380	- 0.0130	----	----	120	UNCH
OCT19	----	----	-0.6420	- 0.0120	----	----	124	UNCH
NOV19	----	----	-0.5710	- 0.0060	----	----	60	UNCH
DEC19	----	----	-0.4420	- 0.0070	----	----	62	UNCH
JAN20	----	----	-0.5160	- 0.0070	----	----	279	UNCH
FEB20	----	----	-0.4830	- 0.0060	----	----	261	UNCH
MAR20	----	----	-0.5020	- 0.0070	----	----	279	UNCH
APR20	----	----	-0.5060	- 0.0030	----	----	270	UNCH
MAY20	----	----	-0.5200	- 0.0030	----	----	279	UNCH
JUN20	----	----	-0.5130	- 0.0030	----	----	270	UNCH
JUL20	----	----	-0.4540	- 0.0030	----	----	279	UNCH
AUG20	----	----	-0.4210	- 0.0030	----	----	279	UNCH
SEP20	----	----	-0.4330	- 0.0030	----	----	270	UNCH
OCT20	----	----	-0.4420	- 0.0030	----	----	279	UNCH
NOV20	----	----	-0.4630	- 0.0060	----	----	270	UNCH
DEC20	----	----	-0.3320	- 0.0060	----	----	279	UNCH
TOTAL PM FUT							10226	
NJ FUT		SAN JUAN BASIS						
DEC17	----	----	-0.3740	- 0.0110	----	----	806	UNCH
JAN18	----	----	-0.3340	- 0.0180	----	----	1085	UNCH
FEB18	----	----	-0.3480	- 0.0060	----	----	980	UNCH
MAR18	----	----	-0.4890	- 0.0090	----	----	1147	UNCH
APR18	----	----	-0.6050	- 0.0040	----	----	1020	UNCH
MAY18	----	----	-0.6120	- 0.0060	----	----	1054	UNCH
JUN18	----	----	-0.6100	- 0.0040	----	----	1020	UNCH
JUL18	----	----	-0.5400	- 0.0030	----	----	1054	UNCH
AUG18	----	----	-0.4930	- 0.0040	----	----	1054	UNCH
SEP18	----	----	-0.5350	- 0.0030	----	----	1020	UNCH
OCT18	----	----	-0.6470	- 0.0030	----	----	1302	UNCH
NOV18	----	----	-0.4990	UNCH	----	----	900	UNCH
DEC18	----	----	-0.3470	- 0.0020	----	----	930	UNCH
JAN19	----	----	-0.3790	- 0.0010	----	----	186	UNCH
FEB19	----	----	-0.3960	UNCH	----	----	168	UNCH
MAR19	----	----	-0.4100	- 0.0020	----	----	186	UNCH
APR19	----	----	-0.5940	- 0.0100	----	----	1170	UNCH
MAY19	----	----	-0.6020	- 0.0100	----	----	1209	UNCH
JUN19	----	----	-0.5960	- 0.0090	----	----	1170	UNCH
JUL19	----	----	-0.4930	- 0.0100	----	----	713	UNCH



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Table with columns: Contract Name, GLOBEX OPEN, GLOBEX HIGH/LOW, SETT. & PT., PRICE CHGE, GLOBEX VOLUME, PNT/PIT VOLUME, OPEN INTEREST. Rows include NJ FUT, SZ FUT, 8Z FUT, NK FUT, DVS FUT, TC FUT, NQ FUT.

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TX FUT	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
TETCO STX BASIS								
DEC17	----	----	-0.1160	- 0.0020	----	----	93	UNCH
JAN18	----	----	-0.1340	- 0.0020	----	----	62	UNCH
FEB18	----	----	-0.1370	- 0.0080	----	----	56	UNCH
MAR18	----	----	-0.1270	- 0.0030	----	----	62	UNCH
APR18	----	----	-0.0300	+ 0.0020	----	----	60	UNCH
MAY18	----	----	-0.0250	+ 0.0010	----	----	62	UNCH
JUN18	----	----	-0.0230	UNCH	----	----	60	UNCH
JUL18	----	----	-0.0530	- 0.0010	----	----	62	UNCH
AUG18	----	----	-0.0550	- 0.0030	----	----	62	UNCH
SEP18	----	----	-0.0450	- 0.0030	----	----	60	UNCH
OCT18	----	----	-0.0650	+ 0.0040	----	----	62	UNCH
NOV18	----	----	-0.0880	- 0.0060	----	----	60	UNCH
DEC18	----	----	-0.1090	- 0.0060	----	----	62	UNCH
TOTAL TX FUT							823	
TEXAS EASTERN ZONE M-3 BASIS								
DEC17	----	----	0.0900	- 0.0030	----	----	496	UNCH
JAN18	----	----	1.7550	- 0.0410	----	----	465	UNCH
FEB18	----	----	1.7800	+ 0.0190	----	----	420	UNCH
MAR18	----	----	0.1390	+ 0.0020	----	----	465	UNCH
APR18	----	----	-0.3780	- 0.0050	----	----	300	UNCH
MAY18	----	----	-0.4530	UNCH	----	----	310	UNCH
JUN18	----	----	-0.5200	- 0.0040	----	----	300	UNCH
JUL18	----	----	-0.4750	- 0.0020	----	----	310	UNCH
AUG18	----	----	-0.5150	+ 0.0010	----	----	310	UNCH
SEP18	----	----	-0.7210	- 0.0040	----	----	300	UNCH
OCT18	----	----	-0.6350	- 0.0040	----	----	310	UNCH
NOV18	----	----	-0.3880	+ 0.0050	----	----	270	UNCH
DEC18	----	----	0.1670	+ 0.0050	----	----	279	UNCH
JAN19	----	----	1.7560	+ 0.0040	----	----	341	UNCH
FEB19	----	----	1.7260	+ 0.0040	----	----	308	UNCH
MAR19	----	----	0.0340	+ 0.0040	----	----	341	UNCH
APR19	----	----	-0.4290	+ 0.0050	----	----	60	UNCH
MAY19	----	----	-0.5260	+ 0.0050	----	----	62	UNCH
JUN19	----	----	-0.5970	+ 0.0050	----	----	60	UNCH
JUL19	----	----	-0.3360	+ 0.0050	----	----	62	UNCH
AUG19	----	----	-0.4110	+ 0.0050	----	----	62	UNCH
SEP19	----	----	-0.7560	+ 0.0040	----	----	60	UNCH
OCT19	----	----	-0.7470	+ 0.0060	----	----	62	UNCH
NOV19	----	----	-0.4100	+ 0.0080	----	----	60	UNCH
DEC19	----	----	0.0730	+ 0.0070	----	----	62	UNCH
JAN20	----	----	1.7160	+ 0.0070	----	----	124	UNCH
FEB20	----	----	1.6740	+ 0.0070	----	----	116	UNCH
MAR20	----	----	0.0090	+ 0.0070	----	----	124	UNCH
APR20	----	----	-0.4430	- 0.0090	----	----	90	UNCH
MAY20	----	----	-0.5690	- 0.0100	----	----	93	UNCH
JUN20	----	----	-0.6060	- 0.0100	----	----	90	UNCH
JUL20	----	----	-0.3490	- 0.0100	----	----	93	UNCH
AUG20	----	----	-0.4240	- 0.0100	----	----	93	UNCH
SEP20	----	----	-0.8040	- 0.0100	----	----	90	UNCH
OCT20	----	----	-0.7540	- 0.0100	----	----	93	UNCH
NOV20	----	----	-0.3990	+ 0.0230	----	----	60	UNCH
DEC20	----	----	0.0830	+ 0.0220	----	----	62	UNCH
TOTAL NX FUT							7203	
TEXAS GAS ZONE1 NG BASIS								
DEC17	----	----	-0.1410	- 0.0050	----	----	688	UNCH
JAN18	----	----	-0.1510	- 0.0050	----	----	484	UNCH
FEB18	----	----	-0.1440	- 0.0050	----	----	468	UNCH
MAR18	----	----	-0.1490	UNCH	----	----	484	UNCH
APR18	----	----	-0.1480	- 0.0010	----	----	476	UNCH
MAY18	----	----	-0.1130	- 0.0010	----	----	484	UNCH
JUN18	----	----	-0.1260	- 0.0010	----	----	476	UNCH
JUL18	----	----	-0.1300	- 0.0030	----	----	484	UNCH
AUG18	----	----	-0.1380	- 0.0060	----	----	484	UNCH
SEP18	----	----	-0.1400	- 0.0050	----	----	476	UNCH
OCT18	----	----	-0.1530	+ 0.0020	----	----	484	UNCH
NOV18	----	----	-0.0930	- 0.0130	----	----	476	UNCH
DEC18	----	----	-0.0930	- 0.0130	----	----	484	UNCH
TOTAL 9F FUT							6448	
TRANSCO ZONE 3 BASIS								
DEC17	----	----	-0.0370	- 0.0030	----	----	403	UNCH
JAN18	----	----	-0.0440	- 0.0040	----	----	341	UNCH
FEB18	----	----	-0.0370	- 0.0050	----	----	308	UNCH
MAR18	----	----	-0.0270	- 0.0050	----	----	341	UNCH
APR18	----	----	-0.0440	- 0.0010	----	----	270	UNCH
MAY18	----	----	-0.0410	- 0.0010	----	----	279	UNCH
JUN18	----	----	-0.0410	UNCH	----	----	270	UNCH
JUL18	----	----	-0.0390	- 0.0010	----	----	279	UNCH
AUG18	----	----	-0.0390	- 0.0010	----	----	279	UNCH
SEP18	----	----	-0.0410	UNCH	----	----	270	UNCH
OCT18	----	----	-0.0440	- 0.0010	----	----	279	UNCH
NOV18	----	----	-0.0340	- 0.0020	----	----	270	UNCH
DEC18	----	----	-0.0310	- 0.0010	----	----	279	UNCH
TOTAL CZ FUT							3868	
TRANSCO ZONE 6 BASIS								
DEC17	----	----	1.1480	- 0.0700	----	----	93	UNCH
JAN18	----	----	3.9720	UNCH	----	----	93	UNCH
FEB18	----	----	3.9480	+ 0.0060	----	----	84	UNCH
MAR18	----	----	0.8600	- 0.0070	----	----	93	UNCH
APR18	----	----	-0.1500	- 0.0030	----	----	270	UNCH
MAY18	----	----	-0.3060	UNCH	----	----	279	UNCH
JUN18	----	----	-0.2960	UNCH	----	----	270	UNCH
JUL18	----	----	-0.0760	+ 0.0010	----	----	279	UNCH
AUG18	----	----	-0.1290	+ 0.0010	----	----	279	UNCH
SEP18	----	----	-0.4470	- 0.0010	----	----	270	UNCH
OCT18	----	----	-0.3520	UNCH	----	----	279	UNCH
NOV18	----	----	0.0940	+ 0.0230	----	----	60	UNCH
DEC18	----	----	0.9660	+ 0.0410	----	----	62	UNCH
JAN19	----	----	3.7310	+ 0.1040	----	----	62	UNCH
FEB19	----	----	3.7260	+ 0.1010	----	----	56	UNCH
MAR19	----	----	0.6740	+ 0.0370	----	----	62	UNCH
TOTAL NZ FUT							2591	
TRANSCO ZONE 6 NON NY BASIS								
TZ6 FUT								



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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL® VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
TZ6 FUT TRANSCO ZONE 6 NON NY BASIS									
DEC17	----	----	0.6150	- 0.0420	----	----	248	UNCH	
JAN18	----	----	2.7230	- 0.0240	----	----	403	UNCH	
FEB18	----	----	2.7660	+ 0.0290	----	----	364	UNCH	
MAR18	----	----	0.6030	+ 0.0310	----	----	403	UNCH	
APR18	----	----	-0.0630	+ 0.0030	----	----	240	UNCH	
MAY18	----	----	-0.1800	+ 0.0100	----	----	248	UNCH	
JUN18	----	----	-0.2260	+ 0.0020	----	----	240	UNCH	
JUL18	----	----	-0.1060	+ 0.0050	----	----	248	UNCH	
AUG18	----	----	-0.1560	+ 0.0100	----	----	248	UNCH	
SEP18	----	----	-0.4750	+ 0.0010	----	----	240	UNCH	
OCT18	----	----	-0.3620	+ 0.0010	----	----	248	UNCH	
NOV18	----	----	-0.1110	+ 0.0040	----	----	240	UNCH	
DEC18	----	----	0.3890	+ 0.0040	----	----	248	UNCH	
JAN19	----	----	2.0820	+ 0.0040	----	----	217	UNCH	
FEB19	----	----	2.0420	+ 0.0020	----	----	196	UNCH	
MAR19	----	----	0.0780	+ 0.0040	----	----	217	UNCH	
APR19	----	----	-0.2400	+ 0.0280	----	----	210	UNCH	
MAY19	----	----	-0.5010	+ 0.0250	----	----	217	UNCH	
JUN19	----	----	-0.5220	+ 0.0240	----	----	210	UNCH	
JUL19	----	----	-0.2920	+ 0.0280	----	----	217	UNCH	
AUG19	----	----	-0.3080	+ 0.0270	----	----	217	UNCH	
SEP19	----	----	-0.4950	+ 0.0250	----	----	210	UNCH	
OCT19	----	----	-0.5260	+ 0.0250	----	----	217	UNCH	
NOV19	----	----	-0.2560	+ 0.0020	----	----	210	UNCH	
DEC19	----	----	0.1080	+ 0.0020	----	----	217	UNCH	
TOTAL							6173		
TR FUT TRANSCO ZONE4 BASIS									
DEC17	----	----	-0.0400	UNCH	----	----	863	UNCH	
JAN18	----	----	-0.0450	+ 0.0030	----	----	961	UNCH	
FEB18	----	----	-0.0420	UNCH	----	----	868	UNCH	
MAR18	----	----	-0.0450	UNCH	----	----	961	UNCH	
APR18	----	----	-0.0470	UNCH	----	----	390	UNCH	
MAY18	----	----	-0.0370	UNCH	----	----	403	UNCH	
JUN18	----	----	-0.0420	UNCH	----	----	390	UNCH	
JUL18	----	----	-0.0450	UNCH	----	----	403	UNCH	
AUG18	----	----	-0.0420	UNCH	----	----	403	UNCH	
SEP18	----	----	-0.0450	UNCH	----	----	390	UNCH	
OCT18	----	----	-0.0400	UNCH	----	----	403	UNCH	
NOV18	----	----	-0.0520	UNCH	----	----	330	UNCH	
DEC18	----	----	-0.0540	UNCH	----	----	341	UNCH	
JAN19	----	----	-0.0520	UNCH	----	----	140	UNCH	
FEB19	----	----	-0.0420	UNCH	----	----	139	UNCH	
MAR19	----	----	-0.0440	UNCH	----	----	139	UNCH	
APR19	----	----	-0.0300	+ 0.0090	----	----	138	UNCH	
MAY19	----	----	-0.0300	+ 0.0090	----	----	137	UNCH	
JUN19	----	----	-0.0350	+ 0.0090	----	----	136	UNCH	
JUL19	----	----	-0.0380	+ 0.0080	----	----	136	UNCH	
AUG19	----	----	-0.0350	+ 0.0090	----	----	135	UNCH	
SEP19	----	----	-0.0380	+ 0.0080	----	----	134	UNCH	
OCT19	----	----	-0.0320	+ 0.0090	----	----	134	UNCH	
NOV19	----	----	-0.0280	+ 0.0060	----	----	133	UNCH	
DEC19	----	----	-0.0300	+ 0.0070	----	----	132	UNCH	
JAN20	----	----	-0.0280	+ 0.0060	----	----	132	UNCH	
FEB20	----	----	-0.0180	+ 0.0060	----	----	131	UNCH	
MAR20	----	----	-0.0200	+ 0.0070	----	----	130	UNCH	
APR20	----	----	-0.0210	UNCH	----	----	130	UNCH	
MAY20	----	----	-0.0180	UNCH	----	----	129	UNCH	
JUN20	----	----	-0.0230	UNCH	----	----	129	UNCH	
JUL20	----	----	-0.0260	UNCH	----	----	128	UNCH	
AUG20	----	----	-0.0230	UNCH	----	----	127	UNCH	
SEP20	----	----	-0.0260	UNCH	----	----	127	UNCH	
OCT20	----	----	-0.0210	UNCH	----	----	126	UNCH	
NOV20	----	----	-0.0350	UNCH	----	----	125	UNCH	
DEC20	----	----	-0.0380	UNCH	----	----	125	UNCH	
TOTAL							10278		
NBP FUT UK NBP NATURAL GAS FRONT MTH FUT									
DEC17	7.055	7.073B/6.972	6.986	- 0.015	52	----	8	+	2
JAN18	7.246	7.270B/7.172A	7.182	- 0.016	45	----	8	+	2
TOTAL					97		16	+	4
NW FUT WAHA BASIS									
DEC17	----	----	-0.4440	- 0.0400	----	----	558	UNCH	
JAN18	----	----	-0.4170	- 0.0370	----	----	217	UNCH	
FEB18	----	----	-0.4410	- 0.0340	----	----	196	UNCH	
MAR18	----	----	-0.5580	- 0.0250	----	----	217	UNCH	
APR18	----	----	-0.6350	- 0.0170	----	----	210	UNCH	
MAY18	----	----	-0.6710	- 0.0180	----	----	217	UNCH	
JUN18	----	----	-0.6830	- 0.0170	----	----	210	UNCH	
JUL18	----	----	-0.5970	- 0.0160	----	----	919	UNCH	
AUG18	----	----	-0.5740	- 0.0160	----	----	919	UNCH	
SEP18	----	----	-0.5820	- 0.0160	----	----	916	UNCH	
OCT18	----	----	-0.7330	- 0.0170	----	----	217	UNCH	
NOV18	----	----	-0.6420	- 0.0230	----	----	240	UNCH	
DEC18	----	----	-0.5390	- 0.0200	----	----	248	UNCH	
JAN19	----	----	-0.6010	- 0.0220	----	----	186	UNCH	
FEB19	----	----	-0.5880	- 0.0210	----	----	168	UNCH	
MAR19	----	----	-0.6080	- 0.0210	----	----	186	UNCH	
APR19	----	----	-0.6790	- 0.0260	----	----	120	UNCH	
MAY19	----	----	-0.6970	- 0.0260	----	----	124	UNCH	
JUN19	----	----	-0.6840	- 0.0260	----	----	120	UNCH	
JUL19	----	----	-0.6240	- 0.0260	----	----	124	UNCH	
AUG19	----	----	-0.5900	- 0.0260	----	----	98	UNCH	
SEP19	----	----	-0.6110	- 0.0260	----	----	94	UNCH	
OCT19	----	----	-0.6110	- 0.0260	----	----	99	UNCH	
NOV19	----	----	-0.4660	- 0.0030	----	----	63	UNCH	
DEC19	----	----	-0.4010	- 0.0030	----	----	66	UNCH	
JAN20	----	----	-0.4470	- 0.0030	----	----	67	UNCH	
FEB20	----	----	-0.4140	- 0.0030	----	----	62	UNCH	
MAR20	----	----	-0.4350	- 0.0030	----	----	67	UNCH	
APR20	----	----	-0.4230	- 0.0050	----	----	66	UNCH	
MAY20	----	----	-0.4440	- 0.0050	----	----	67	UNCH	
JUN20	----	----	-0.4300	- 0.0040	----	----	65	UNCH	
JUL20	----	----	-0.3720	- 0.0050	----	----	67	UNCH	
AUG20	----	----	-0.3360	- 0.0040	----	----	67	UNCH	
SEP20	----	----	-0.3590	- 0.0050	----	----	65	UNCH	

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	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
NW FUT	WAHA BASIS						
OCT20	----	----	-0.3670 - 0.0050	----	----	31	UNCH
NOV20	----	----	-0.3560 - 0.0040	----	----	30	UNCH
DEC20	----	----	-0.2880 - 0.0030	----	----	31	UNCH
TOTAL NW FUT						7417	

PETROLEUM FUTURES PRODUCTS

	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
1w FUT	1% FUEL OIL (PLT) CARG CIF MED						
NOV17	----	----	363.819 - 1.468	----	----	23	UNCH
DEC17	----	----	359.708 - 1.267	----	----	3	UNCH
TOTAL 1w FUT						26	
33 FUT	1% FUEL OIL RDM VS 1% OIL NWE PLTS						
NOV17	----	----	-0.682 + 0.148	----	----	12	UNCH
DEC17	----	----	-3.688 UNCH	----	----	12	UNCH
TOTAL 33 FUT						24	
BOB FUT	3.5% FUEL OIL (PLATTS) FOB RDA						
NOV17	----	----	-7.595 + 0.092	----	----	598	UNCH
DEC17	----	----	-7.895 + 0.100	----	10	684 - 5	
JAN18	----	----	-7.899 + 0.030	----	----	234	UNCH
FEB18	----	----	-7.855 + 0.013	----	----	161	UNCH
MAR18	----	----	-7.830 UNCH	----	----	161	UNCH
APR18	----	----	-7.802 + 0.016	----	----	116	UNCH
MAY18	----	----	-7.813 - 0.010	----	----	116	UNCH
JUN18	----	----	-7.775 - 0.009	----	----	116	UNCH
JUL18	----	----	-7.782 + 0.004	----	----	94	UNCH
AUG18	----	----	-7.872 + 0.020	----	----	85	UNCH
SEP18	----	----	-8.014 + 0.001	----	----	85	UNCH
OCT18	----	----	-8.180 + 0.011	----	----	127	UNCH
NOV18	----	----	-8.424 UNCH	----	----	127	UNCH
DEC18	----	----	-8.775 - 0.008	----	----	132	UNCH
JAN19	----	----	-8.853 + 0.021	----	----	22	UNCH
FEB19	----	----	-8.958 + 0.069	----	----	22	UNCH
MAR19	----	----	-9.081 + 0.089	----	----	22	UNCH
APR19	----	----	-9.249 + 0.089	----	----	20	UNCH
MAY19	----	----	-9.650 + 0.099	----	----	20	UNCH
JUN19	----	----	-10.120 + 0.099	----	----	20	UNCH
JUL19	----	----	-10.770 + 0.099	----	----	15	UNCH
AUG19	----	----	-11.740 + 0.119	----	----	15	UNCH
SEP19	----	----	-12.878 + 0.187	----	----	15	UNCH
OCT19	----	----	-14.306 + 0.197	----	----	31	UNCH
NOV19	----	----	-15.919 + 0.158	----	----	31	UNCH
DEC19	----	----	-17.696 + 0.150	----	----	31	UNCH
JAN20	----	----	-19.164 + 0.258	----	----	37	UNCH
FEB20	----	----	-18.504 + 0.248	----	----	37	UNCH
MAR20	----	----	-17.872 + 0.238	----	----	37	UNCH
APR20	----	----	-17.252 + 0.267	----	----	37	UNCH
MAY20	----	----	-16.808 + 0.277	----	----	37	UNCH
JUN20	----	----	-16.364 + 0.288	----	----	37	UNCH
JUL20	----	----	-15.950 + 0.297	----	----	37	UNCH
AUG20	----	----	-15.511 + 0.309	----	----	37	UNCH
SEP20	----	----	-15.169 + 0.318	----	----	37	UNCH
OCT20	----	----	-14.876 + 0.327	----	----	57	UNCH
NOV20	----	----	-14.668 + 0.339	----	----	57	UNCH
DEC20	----	----	-14.449 + 0.359	----	----	57	UNCH
JAN21	----	----	-14.253 + 0.385	----	----	8	UNCH
FEB21	----	----	-14.055 + 0.412	----	----	8	UNCH
MAR21	----	----	-13.856 + 0.440	----	----	8	UNCH
APR21	----	----	-13.658 + 0.457	----	----	8	UNCH
MAY21	----	----	-13.458 + 0.485	----	----	8	UNCH
JUN21	----	----	-13.262 + 0.511	----	----	8	UNCH
JUL21	----	----	-13.245 + 0.512	----	----	8	UNCH
AUG21	----	----	-13.227 + 0.515	----	----	8	UNCH
SEP21	----	----	-13.210 + 0.516	----	----	8	UNCH
OCT21	----	----	-13.195 + 0.508	----	----	8	UNCH
NOV21	----	----	-13.228 + 0.509	----	----	8	UNCH
DEC21	----	----	-13.262 + 0.511	----	----	8	UNCH
TOTAL BOB FUT					10	3700 - 5	
7D FUT	3.5% FUEL OIL CID MED						
NOV17	----	----	352.442 - 0.835	----	----	58	UNCH
DEC17	----	----	343.529 - 2.080	----	----	58	UNCH
JAN18	----	----	343.795 - 2.352	----	----	7	UNCH
FEB18	----	----	343.374 - 2.394	----	----	7	UNCH

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ENERGY FUTURES PRODUCTS

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
7D FUT	3.5% FUEL OIL CID MED						
MAR18	----	----	342.705 - 2.414	----	----	7	UNCH
APR18	----	----	342.180 - 2.310	----	----	5	UNCH
MAY18	----	----	341.153 - 2.353	----	----	5	UNCH
JUN18	----	----	340.169 - 2.352	----	----	5	UNCH
JAN19	----	----	322.871 - 2.225	----	----	4	UNCH
FEB19	----	----	321.246 - 1.975	----	----	4	UNCH
MAR19	----	----	319.371 - 1.850	----	----	4	UNCH
APR19	----	----	316.621 - 1.850	----	----	4	UNCH
MAY19	----	----	313.246 - 1.850	----	----	4	UNCH
JUN19	----	----	309.246 - 1.850	----	----	4	UNCH
JUL19	----	----	304.246 - 1.850	----	----	4	UNCH
AUG19	----	----	297.496 - 1.725	----	----	4	UNCH
SEP19	----	----	289.246 - 1.350	----	----	4	UNCH
OCT19	----	----	279.256 - 1.225	----	----	4	UNCH
NOV19	----	----	268.256 - 1.475	----	----	4	UNCH
DEC19	----	----	256.381 - 1.600	----	----	4	UNCH
TOTAL 7D FUT						200	
63 FUT	3.5% FUEL OIL RDAM VS FOB MED BALM						
09NOV17	----	----	-0.875 + 0.015	----	----	5	UNCH
TOTAL 63 FUT						5	
EOB FUT	ARGUS GASOLINE NWE CRACK SPR						
DEC17	----	----	7.726 - 0.323	----	----	6	UNCH
JAN18	----	----	7.861 - 0.238	----	----	1	UNCH
FEB18	----	----	8.379 - 0.151	----	----	1	UNCH
MAR18	----	----	8.905 - 0.165	----	----	1	UNCH
APR18	----	----	12.906 - 0.143	----	----	1	UNCH
MAY18	----	----	13.081 - 0.137	----	----	1	UNCH
JUN18	----	----	12.821 - 0.119	----	----	1	UNCH
JUL18	----	----	12.247 - 0.112	----	----	1	UNCH
AUG18	----	----	11.549 - 0.143	----	----	1	UNCH
SEP18	----	----	10.723 - 0.132	----	----	1	UNCH
OCT18	----	----	7.098 - 0.082	----	----	1	UNCH
NOV18	----	----	6.137 - 0.045	----	----	1	UNCH
DEC18	----	----	5.760 - 0.087	----	----	1	UNCH
TOTAL EOB FUT						18	
5C FUT	CHICAGO ULSD PL VS HO SPR						
NOV17	----	----	0.0409 - 0.0072	----	----	87	UNCH
DEC17	----	----	0.0046 UNCH	----	----	83	UNCH
JAN18	----	----	-0.0155 UNCH	----	----	26	UNCH
FEB18	----	----	0.0100 UNCH	----	----	26	UNCH
MAR18	----	----	-0.0069 UNCH	----	----	26	UNCH
APR18	----	----	0.0040 UNCH	----	----	25	UNCH
MAY18	----	----	0.0100 UNCH	----	----	25	UNCH
JUN18	----	----	0.0100 UNCH	----	----	25	UNCH
JUL18	----	----	0.0034 UNCH	----	----	24	UNCH
AUG18	----	----	0.0032 UNCH	----	----	24	UNCH
SEP18	----	----	0.0009 UNCH	----	----	24	UNCH
OCT18	----	----	-0.0121 UNCH	----	----	24	UNCH
NOV18	----	----	-0.0200 UNCH	----	----	22	UNCH
DEC18	----	----	-0.0200 UNCH	----	----	22	UNCH
TOTAL 5C FUT						463	
3C FUT	CHICAGO UNL GAS PL VS RBOB SPR						
NOV17	----	----	0.1816 - 0.0140	----	----	3	UNCH
DEC17	----	----	-0.0763 UNCH	----	----	3	UNCH
TOTAL 3C FUT						6	
EWN FUT	E/W NAPHTHA JAPAN CF-CARGOS CIF NWE						
NOV17	----	----	13.880 - 0.433	----	----	362	UNCH
DEC17	----	----	12.000 - 0.750	----	----	219	UNCH
JAN18	----	----	12.167 - 0.583	----	----	112	UNCH
FEB18	----	----	12.000 - 0.667	----	----	87	UNCH
MAR18	----	----	12.125 - 0.209	----	----	95	UNCH
APR18	----	----	11.250 - 0.584	----	----	23	UNCH
MAY18	----	----	10.750 - 0.583	----	----	13	UNCH
JUN18	----	----	10.167 - 0.333	----	----	13	UNCH
JUL18	----	----	10.334 - 0.749	----	----	4	UNCH
AUG18	----	----	10.416 - 0.751	----	----	4	UNCH
SEP18	----	----	10.333 - 0.917	----	----	4	UNCH
OCT18	----	----	10.250 - 1.084	----	----	9	UNCH
NOV18	----	----	10.333 - 1.084	----	----	9	UNCH
DEC18	----	----	10.500 - 1.000	----	----	9	UNCH
TOTAL EWN FUT						963	
EW FUT	EAST/WEST FUEL OIL SPREAD						
NOV17	----	----	20.86 - 0.08	----	----	50	UNCH

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EAST/WEST FUEL OIL SPREAD								
EW FUT	----	----	22.75 - 0.55		----	----	50	UNCH
DEC17	----	----	22.73 - 0.45		----	----	5	UNCH
JAN18	----	----	22.63 - 0.35		----	----	5	UNCH
FEB18	----	----	22.43 - 0.23		----	----	5	UNCH
MAR18	----	----			----	----		
TOTAL EW FUT							115	
EAST-WST GASOLINE SPREAD PLATTS/ARG								
EWG FUT	----	----	-0.653 + 0.183		----	----	680	UNCH
NOV17	----	----	1.200 + 0.193		----	150	1100 - 75	
DEC17	----	----	0.900 + 0.093		----	----	330	UNCH
JAN18	----	----	0.570 + 0.089		----	----	630	UNCH
FEB18	----	----	0.215 + 0.125		----	----	330	UNCH
MAR18	----	----	-3.636 + 0.105		----	150	1080 + 150	
APR18	----	----	-3.902 + 0.106		----	150	1080 + 150	
MAY18	----	----	-3.801 + 0.110		----	150	1080 + 150	
JUN18	----	----			----	600	6310 + 375	
TOTAL EWG FUT								
EIA FLAT TAX ONHWAY DIESEL								
A5 FUT	----	----	2.8808 - 0.0033		----	----	590	UNCH
NOV17	----	----	2.8630 - 0.0042		----	----	593	UNCH
DEC17	----	----	2.8665 - 0.0068		----	----	187	UNCH
JAN18	----	----	2.8667 - 0.0072		----	----	186	UNCH
FEB18	----	----	2.8671 - 0.0077		----	----	186	UNCH
MAR18	----	----	2.8637 - 0.0084		----	----	193	UNCH
APR18	----	----	2.8559 - 0.0092		----	----	192	UNCH
MAY18	----	----	2.8526 - 0.0095		----	----	176	UNCH
JUN18	----	----	2.8517 - 0.0096		----	----	132	UNCH
JUL18	----	----	2.8514 - 0.0094		----	----	132	UNCH
AUG18	----	----	2.8587 - 0.0092		----	----	127	UNCH
SEP18	----	----	2.8579 - 0.0089		----	----	100	UNCH
OCT18	----	----	2.8648 - 0.0090		----	----	97	UNCH
NOV18	----	----	2.8449 - 0.0092		----	----	97	UNCH
DEC18	----	----	2.8683 - 0.0094		----	----	26	UNCH
JAN19	----	----	2.8550 - 0.0095		----	----	26	UNCH
FEB19	----	----	2.8456 - 0.0095		----	----	26	UNCH
MAR19	----	----	2.8410 - 0.0097		----	----	26	UNCH
APR19	----	----			----	----		
TOTAL A5 FUT							3092	
EIA FLAT TAX US RETAIL GASOLINE								
JE FUT	----	----	2.6002 - 0.0060		----	----	10	UNCH
NOV17	----	----	2.5817 - 0.0213		----	----	10	UNCH
DEC17	----	----	2.4852 - 0.0192		----	----	33	UNCH
JAN18	----	----	2.5007 - 0.0185		----	----	33	UNCH
FEB18	----	----	2.6663 - 0.0166		----	----	33	UNCH
MAR18	----	----	2.7489 - 0.0148		----	----	27	UNCH
APR18	----	----	2.7342 - 0.0137		----	----	27	UNCH
MAY18	----	----	2.7125 - 0.0124		----	----	27	UNCH
JUN18	----	----	2.6860 - 0.0116		----	----	27	UNCH
JUL18	----	----	2.6544 - 0.0110		----	----	27	UNCH
AUG18	----	----	2.5269 - 0.0120		----	----	27	UNCH
SEP18	----	----	2.5270 - 0.0121		----	----	33	UNCH
OCT18	----	----	2.5025 - 0.0124		----	----	33	UNCH
NOV18	----	----	2.4939 - 0.0126		----	----	33	UNCH
DEC18	----	----			----	----		
TOTAL JE FUT							380	
EUR1%FUEL OIL FOB MED-EUR1% FOB NWE								
ENS FUT	----	----	6.238 + 0.034		----	----	10	UNCH
NOV17	----	----	5.500 + 0.250		----	----	10	UNCH
DEC17	----	----			----	----		
TOTAL ENS FUT							20	
EURO 3.5% FUEL OIL RDAM BALMO								
KR FUT	----	----	345.524 - 1.074		----	----	218	UNCH
02NOV17	----	----	345.737 - 1.187		----	----	4	UNCH
06NOV17	----	----	345.153 - 1.253		----	----	230	UNCH
07NOV17	----	----	344.677 - 1.327		----	----	32	UNCH
08NOV17	----	----	344.047 - 1.410		----	----	125	UNCH
09NOV17	----	----	343.167 - 1.504		----	----	25	UNCH
10NOV17	----	----	342.036 - 1.611		----	----	18	UNCH
13NOV17	----	----			----	----		
TOTAL KR FUT							652	
EURO 3.5% FUEL OIL SPREAD								
FK FUT	----	----	-0.80 + 0.01		----	----	164	UNCH
NOV17	----	----	-3.25 UNCH		----	----	154	UNCH
DEC17	----	----	-2.00 UNCH		----	----	9	UNCH
JAN18	----	----	-1.75 UNCH		----	----	9	UNCH
FEB18	----	----	-1.75 UNCH		----	----	9	UNCH
MAR18	----	----	-1.50 UNCH		----	----	7	UNCH
APR18	----	----	-1.50 UNCH		----	----	7	UNCH
MAY18	----	----	-1.50 UNCH		----	----	7	UNCH
JUN18	----	----			----	----		

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FK FUT	EURO 3.5% FUEL OIL SPREAD							
JUL18	----	----	-1.50 UNCH		----	----	2	UNCH
AUG18	----	----	-1.50 UNCH		----	----	2	UNCH
SEP18	----	----	-1.50 UNCH		----	----	2	UNCH
OCT18	----	----	-1.50 UNCH		----	----	2	UNCH
NOV18	----	----	-1.50 UNCH		----	----	2	UNCH
DEC18	----	----	-0.29 + 0.13		----	----	2	UNCH
TOTAL FK FUT							378	
ET FUT	EURO DIESEL 10PPM VS ICE							
NOV17	----	----	0.60 - 0.11		----	----	30	UNCH
DEC17	----	----	-1.19 + 0.06		----	----	30	UNCH
JAN18	----	----	-0.63 + 0.25		----	----	25	UNCH
FEB18	----	----	0.00 + 0.38		----	----	25	UNCH
MAR18	----	----	-0.25 UNCH		----	----	25	UNCH
APR18	----	----	0.00 UNCH		----	----	15	UNCH
MAY18	----	----	0.00 UNCH		----	----	15	UNCH
JUN18	----	----	0.00 UNCH		----	----	15	UNCH
JUL18	----	----	-0.33 + 0.04		----	----	15	UNCH
AUG18	----	----	-0.33 + 0.04		----	----	15	UNCH
SEP18	----	----	-0.33 + 0.04		----	----	15	UNCH
OCT18	----	----	0.25 + 0.25		----	----	15	UNCH
NOV18	----	----	0.25 + 0.25		----	----	15	UNCH
DEC18	----	----	0.25 + 0.25		----	----	15	UNCH
TOTAL ET FUT							270	
EPN FUT	EURO PPNE CIFARG VS NAPHTHA NWE SW							
NOV17	----	----	-10.560 + 0.524		----	----	135	UNCH
DEC17	----	----	-2.833 + 1.167		----	11	135 +	1
JAN18	----	----	1.667 + 1.167		----	24	163 -	12
FEB18	----	----	0.667 + 1.167		----	24	159 -	6
MAR18	----	----	-29.333 + 1.500		----	24	167 -	14
APR18	----	----	-59.000 + 1.167		----	8	83	UNCH
MAY18	----	----	-68.125 + 0.625		----	8	83	UNCH
JUN18	----	----	-70.375 + 0.625		----	8	83	UNCH
JUL18	----	----	-69.375 + 1.125		----	----	10	UNCH
AUG18	----	----	-66.375 + 1.125		----	----	10	UNCH
SEP18	----	----	-61.375 + 1.375		----	----	10	UNCH
TOTAL EPN FUT						107	1038 -	31
43 FUT	EUROP NAPHTHA PLATTS CRCK SPR BALMO							
02NOV17	----	----	1.582 + 0.070		----	----	45	UNCH
03NOV17	----	----	1.540 + 0.075		----	----	45	UNCH
09NOV17	----	----	1.582 + 0.092		----	----	15	UNCH
TOTAL 43 FUT							105	
UF FUT	EUROPE 1% FUEL OIL NWE CAL							
NOV17	----	----	349.64 - 1.74		----	----	26	UNCH
DEC17	----	----	342.71 - 2.02		----	----	3	UNCH
TOTAL UF FUT							29	
UI FUT	EUROPE 3.5% FUEL OIL MED CAL							
NOV17	----	----	344.74 - 1.01		----	----	59	UNCH
DEC17	----	----	335.71 - 2.33		----	----	89	UNCH
JAN18	----	----	335.97 - 2.60		----	----	8	UNCH
FEB18	----	----	335.55 - 2.64		----	----	8	UNCH
MAR18	----	----	334.88 - 2.67		----	----	68	UNCH
APR18	----	----	334.36 - 2.56		----	----	6	UNCH
MAY18	----	----	333.33 - 2.60		----	----	6	UNCH
JUN18	----	----	332.35 - 2.60		----	----	6	UNCH
JUL18	----	----	330.84 - 2.58		----	----	1	UNCH
AUG18	----	----	328.68 - 2.48		----	----	1	UNCH
SEP18	----	----	326.05 - 2.60		----	----	1	UNCH
OCT18	----	----	323.30 - 2.60		----	----	1	UNCH
NOV18	----	----	320.30 - 2.60		----	----	1	UNCH
DEC18	----	----	318.01 - 2.48		----	----	1	UNCH
JAN19	----	----	315.72 - 2.35		----	----	5	UNCH
FEB19	----	----	313.43 - 2.23		----	----	5	UNCH
MAR19	----	----	310.76 - 2.18		----	----	5	UNCH
APR19	----	----	308.09 - 2.14		----	----	5	UNCH
MAY19	----	----	305.43 - 2.10		----	----	5	UNCH
JUN19	----	----	300.18 - 2.06		----	----	5	UNCH
JUL19	----	----	294.93 - 2.02		----	----	4	UNCH
AUG19	----	----	289.68 - 1.98		----	----	4	UNCH
SEP19	----	----	286.10 - 1.91		----	----	4	UNCH
OCT19	----	----	282.53 - 1.85		----	----	4	UNCH
NOV19	----	----	278.95 - 1.79		----	----	4	UNCH
DEC19	----	----	275.38 - 1.73		----	----	4	UNCH
TOTAL UI FUT							310	

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UV FUT	EUROPE 3.5% FUEL OIL RDAM CAL					
NOV17	----	----	345.53 - 1.03	----	1	949 UNCH
DEC17	----	----	338.96 - 2.33	----	60	1624 - 10
JAN18	----	----	337.97 - 2.60	----	50	1096 UNCH
FEB18	----	----	337.30 - 2.64	----	----	721 UNCH
MAR18	----	----	336.63 - 2.67	----	----	809 UNCH
APR18	----	----	335.86 - 2.56	----	----	515 UNCH
MAY18	----	----	334.83 - 2.60	----	----	363 UNCH
JUN18	----	----	333.85 - 2.60	----	----	274 UNCH
JUL18	----	----	332.34 - 2.58	----	35	282 + 20
AUG18	----	----	330.18 - 2.48	----	35	259 + 20
SEP18	----	----	327.55 - 2.60	----	35	469 + 20
OCT18	----	----	324.80 - 2.60	----	35	476 + 35
NOV18	----	----	321.80 - 2.60	----	35	349 + 35
DEC18	----	----	318.30 - 2.60	----	36	577 + 26
JAN19	----	----	316.68 - 2.48	----	----	67 UNCH
FEB19	----	----	315.05 - 2.23	----	----	67 UNCH
MAR19	----	----	313.18 - 2.10	----	----	67 UNCH
APR19	----	----	310.80 - 2.10	----	----	98 UNCH
MAY19	----	----	307.43 - 2.10	----	----	98 UNCH
JUN19	----	----	303.43 - 2.10	----	----	103 UNCH
JUL19	----	----	298.43 - 2.10	----	----	88 UNCH
AUG19	----	----	291.68 - 1.98	----	----	88 UNCH
SEP19	----	----	283.43 - 1.60	----	----	88 UNCH
OCT19	----	----	273.30 - 1.48	----	----	74 UNCH
NOV19	----	----	262.30 - 1.73	----	----	74 UNCH
DEC19	----	----	250.43 - 1.85	----	----	74 UNCH
JAN20	----	----	240.68 - 1.23	----	----	55 UNCH
FEB20	----	----	244.30 - 1.35	----	----	55 UNCH
MAR20	----	----	247.80 - 1.48	----	----	55 UNCH
APR20	----	----	251.18 - 1.35	----	----	5 UNCH
MAY20	----	----	253.55 - 1.35	----	----	5 UNCH
JUN20	----	----	255.93 - 1.35	----	----	5 UNCH
TOTAL UV FUT					322	9929 + 146
UJ FUT	EUROPE JET KERO NWE CAL					
JAN18	----	----	593.84 - 0.25	----	----	6 UNCH
FEB18	----	----	593.03 - 0.53	----	----	6 UNCH
MAR18	----	----	590.83 - 0.92	----	----	6 UNCH
APR18	----	----	588.76 - 1.25	----	----	6 UNCH
MAY18	----	----	586.61 - 1.07	----	----	6 UNCH
JUN18	----	----	585.50 - 0.83	----	----	6 UNCH
JUL18	----	----	584.81 - 0.80	----	----	3 UNCH
AUG18	----	----	584.02 - 0.79	----	----	3 UNCH
SEP18	----	----	583.63 - 0.79	----	----	3 UNCH
OCT18	----	----	582.40 - 0.96	----	----	3 UNCH
NOV18	----	----	580.68 - 0.96	----	----	3 UNCH
DEC18	----	----	579.64 - 0.96	----	----	3 UNCH
TOTAL UJ FUT						54
UN FUT	EUROPE NAPHTHA CAL					
NOV17	----	----	566.29 - 1.65	----	----	421 UNCH
DEC17	----	----	554.67 - 4.41	----	13	573 - 10
JAN18	----	----	548.11 - 4.46	----	3	377 - 3
FEB18	----	----	541.09 - 4.63	----	3	225 - 3
MAR18	----	----	534.08 - 4.75	----	3	188 UNCH
APR18	----	----	528.11 - 4.79	----	6	110 - 5
MAY18	----	----	523.34 - 4.59	----	1	115 UNCH
JUN18	----	----	519.67 - 4.57	----	1	96 UNCH
JUL18	----	----	516.36 - 4.82	----	----	35 UNCH
AUG18	----	----	513.40 - 4.99	----	----	35 UNCH
SEP18	----	----	510.76 - 4.86	----	----	40 UNCH
OCT18	----	----	508.09 - 4.86	----	----	30 UNCH
NOV18	----	----	505.50 - 4.74	----	----	24 UNCH
DEC18	----	----	502.91 - 4.73	----	----	22 UNCH
JAN19	----	----	500.40 - 4.58	----	----	7 UNCH
FEB19	----	----	497.72 - 4.71	----	----	7 UNCH
MAR19	----	----	494.91 - 4.76	----	----	7 UNCH
TOTAL UN FUT					30	2312 - 21
KZ FUT	EUROPEAN NAPHTHA BALMO					
02NOV17	----	----	566.614 - 1.729	----	----	40 UNCH
06NOV17	----	----	566.889 - 1.912	----	----	5 UNCH
07NOV17	----	----	566.064 - 2.017	----	----	4 UNCH
08NOV17	----	----	565.317 - 2.137	----	----	5 UNCH
13NOV17	----	----	562.135 - 2.594	----	----	5 UNCH
14NOV17	----	----	560.761 - 2.794	----	----	5 UNCH
15NOV17	----	----	560.700 - 3.026	----	----	13 UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
KZ FUT	EUROPEAN NAPHTHA BALMO							
16NOV17	----	----	560.377	NEW	----	3	3 +	3
TOTAL KZ FUT						3	80 +	3
EN FUT	EUROPEAN NAPHTHA CRACK SPREAD							
NOV17	----	----	1.62	+	0.07	----	1839	UNCH
DEC17	----	----	1.05	-	0.03	174	2179 -	100
JAN18	----	----	0.46	-	0.06	50	1263 -	50
FEB18	----	----	-0.18	-	0.09	----	1165	UNCH
MAR18	----	----	-0.84	-	0.11	----	1201	UNCH
APR18	----	----	-1.36	-	0.12	----	662	UNCH
MAY18	----	----	-1.74	-	0.12	----	762	UNCH
JUN18	----	----	-1.96	-	0.11	----	662	UNCH
JUL18	----	----	-2.10	-	0.13	----	132	UNCH
AUG18	----	----	-2.18	-	0.15	----	132	UNCH
SEP18	----	----	-2.21	-	0.14	----	132	UNCH
OCT18	----	----	-2.24	-	0.13	----	175	UNCH
NOV18	----	----	-2.30	-	0.12	----	175	UNCH
DEC18	----	----	-2.40	-	0.13	----	175	UNCH
JAN19	----	----	-2.50	-	0.10	----	68	UNCH
FEB19	----	----	-2.65	-	0.11	----	68	UNCH
MAR19	----	----	-2.79	-	0.11	----	68	UNCH
APR19	----	----	-2.90	-	0.12	----	26	UNCH
MAY19	----	----	-3.05	-	0.11	----	26	UNCH
JUN19	----	----	-3.15	-	0.10	----	26	UNCH
JUL19	----	----	-3.23	-	0.09	----	26	UNCH
AUG19	----	----	-3.34	-	0.06	----	26	UNCH
SEP19	----	----	-3.41	-	0.05	----	26	UNCH
OCT19	----	----	-3.46	-	0.04	----	26	UNCH
NOV19	----	----	-3.60	-	0.04	----	26	UNCH
DEC19	----	----	-3.76	-	0.02	----	26	UNCH
TOTAL EN FUT						224	11092 -	150
FS FUT	FUEL OIL CARGOES VS. BARGES							
NOV17	----	----	4.10	-	0.72	----	157	UNCH
DEC17	----	----	3.75	+	0.31	----	134	UNCH
JAN18	----	----	5.56	-	0.06	----	202	UNCH
FEB18	----	----	6.50	-	0.38	----	102	UNCH
MAR18	----	----	7.38	-	0.63	----	24	UNCH
APR18	----	----	8.19	-	0.63	----	24	UNCH
MAY18	----	----	9.25	-	0.50	----	24	UNCH
JUN18	----	----	9.75	-	0.63	----	24	UNCH
JUL18	----	----	10.50	-	0.75	----	24	UNCH
AUG18	----	----	11.25	-	0.75	----	24	UNCH
SEP18	----	----	12.00	-	0.75	----	24	UNCH
OCT18	----	----	12.75	-	0.75	----	27	UNCH
NOV18	----	----	13.50	-	0.88	----	27	UNCH
DEC18	----	----	13.75	-	2.00	----	27	UNCH
JAN20	----	----	80.92	-	0.89	----	9	UNCH
FEB20	----	----	78.54	-	0.71	----	9	UNCH
MAR20	----	----	76.28	-	0.54	----	9	UNCH
APR20	----	----	74.15	-	0.61	----	9	UNCH
MAY20	----	----	73.02	-	0.55	----	9	UNCH
JUN20	----	----	71.89	-	0.50	----	9	UNCH
JUL20	----	----	71.33	-	0.50	----	9	UNCH
AUG20	----	----	70.77	-	0.50	----	9	UNCH
SEP20	----	----	70.70	-	0.50	----	9	UNCH
OCT20	----	----	71.02	-	0.50	----	9	UNCH
NOV20	----	----	71.45	-	0.50	----	9	UNCH
DEC20	----	----	71.89	-	0.50	----	9	UNCH
TOTAL FS FUT							952	
FO FUT	FUEL OIL CRACK VS ICE							
NOV17	----	----	-7.60	+	0.09	----	1531	UNCH
DEC17	----	----	-7.90	+	0.10	----	1361	UNCH
JAN18	----	----	-7.90	+	0.03	----	1310	UNCH
FEB18	----	----	-7.86	+	0.01	----	1196	UNCH
MAR18	----	----	-7.83		UNCH	----	1196	UNCH
APR18	----	----	-7.80	+	0.02	----	602	UNCH
MAY18	----	----	-7.81	-	0.01	----	602	UNCH
JUN18	----	----	-7.78	-	0.01	----	620	UNCH
JUL18	----	----	-7.78	+	0.00	----	487	UNCH
AUG18	----	----	-7.87	+	0.02	----	487	UNCH
SEP18	----	----	-8.01	+	0.00	----	487	UNCH
OCT18	----	----	-8.18	+	0.01	----	495	UNCH
NOV18	----	----	-8.42		UNCH	----	495	UNCH
DEC18	----	----	-8.78	-	0.01	----	513	UNCH
JAN19	----	----	-8.85	+	0.02	----	122	UNCH

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FO FUT	FUEL OIL CRACK VS ICE						
FEB19	----	----	-8.96 + 0.07	----	----	122	UNCH
MAR19	----	----	-9.08 + 0.09	----	----	122	UNCH
APR19	----	----	-9.25 + 0.09	----	----	347	UNCH
MAY19	----	----	-9.65 + 0.10	----	----	347	UNCH
JUN19	----	----	-10.12 + 0.10	----	----	347	UNCH
JUL19	----	----	-10.77 + 0.10	----	----	122	UNCH
AUG19	----	----	-11.74 + 0.12	----	----	122	UNCH
SEP19	----	----	-12.88 + 0.19	----	----	122	UNCH
OCT19	----	----	-14.31 + 0.20	----	----	122	UNCH
NOV19	----	----	-15.92 + 0.16	----	----	122	UNCH
DEC19	----	----	-17.70 + 0.15	----	----	122	UNCH
JAN20	----	----	-19.16 + 0.26	----	----	41	UNCH
FEB20	----	----	-18.50 + 0.25	----	----	41	UNCH
MAR20	----	----	-17.87 + 0.24	----	----	41	UNCH
APR20	----	----	-17.25 + 0.27	----	----	41	UNCH
MAY20	----	----	-16.81 + 0.28	----	----	41	UNCH
JUN20	----	----	-16.36 + 0.29	----	----	41	UNCH
JUL20	----	----	-15.95 + 0.30	----	----	41	UNCH
AUG20	----	----	-15.51 + 0.31	----	----	41	UNCH
SEP20	----	----	-15.17 + 0.32	----	----	41	UNCH
OCT20	----	----	-14.88 + 0.33	----	----	41	UNCH
NOV20	----	----	-14.67 + 0.34	----	----	41	UNCH
DEC20	----	----	-14.45 + 0.36	----	----	41	UNCH
TOTAL FO FUT						14013	
GCI FUT	G. COAST #6 FUEL OIL 3.0% VS BRENT						
NOV17	----	----	-7.076 + 0.060	----	----	884	UNCH
DEC17	----	----	-7.974 + 0.067	----	----	500	UNCH
JAN18	----	----	-8.173 + 0.040	----	50	102 + 15	
FEB18	----	----	-8.207 + 0.029	----	----	87	UNCH
MAR18	----	----	-8.260 + 0.036	----	----	187	UNCH
APR18	----	----	-8.310 + 0.035	----	----	87	UNCH
MAY18	----	----	-8.342 UNCH	----	----	87	UNCH
JUN18	----	----	-8.349 - 0.016	----	----	277	UNCH
JUL18	----	----	-8.319 + 0.010	----	----	87	UNCH
AUG18	----	----	-8.318 + 0.010	----	----	87	UNCH
SEP18	----	----	-8.322 + 0.010	----	----	87	UNCH
OCT18	----	----	-8.363 + 0.004	----	----	87	UNCH
NOV18	----	----	-8.534 - 0.006	----	----	87	UNCH
DEC18	----	----	-8.734 - 0.015	----	----	87	UNCH
TOTAL GCI FUT					50	2733 + 15	
7R FUT	GAS EUROBOB (ARGUS) BALMO						
02NOV17	----	----	606.278 - 3.642	----	----	20	UNCH
03NOV17	----	----	606.017 - 3.824	----	----	5	UNCH
07NOV17	----	----	603.866 - 4.250	----	----	38	UNCH
08NOV17	----	----	601.564 - 4.500	----	----	42	UNCH
14NOV17	----	----	590.487 - 5.885	----	----	10	UNCH
TOTAL 7R FUT						115	
7K FUT	GAS EURO-BOB OXY (ARG) CRACK						
NOV17	----	----	10.776 - 0.165	----	----	4983	UNCH
DEC17	----	----	7.726 - 0.323	----	212	5106 - 51	
JAN18	----	----	7.861 - 0.238	----	117	1643 - 33	
FEB18	----	----	8.379 - 0.151	----	117	1443 - 33	
MAR18	----	----	8.905 - 0.165	----	117	1516 - 33	
APR18	----	----	12.906 - 0.143	----	92	1163 + 19	
MAY18	----	----	13.081 - 0.137	----	92	1154 + 19	
JUN18	----	----	12.821 - 0.119	----	92	1169 + 19	
JUL18	----	----	12.247 - 0.112	----	----	837	UNCH
AUG18	----	----	11.549 - 0.143	----	----	837	UNCH
SEP18	----	----	10.723 - 0.132	----	----	837	UNCH
OCT18	----	----	7.098 - 0.082	----	----	618	UNCH
NOV18	----	----	6.137 - 0.045	----	----	618	UNCH
DEC18	----	----	5.760 - 0.087	----	----	658	UNCH
JAN19	----	----	6.070 - 0.070	----	----	239	UNCH
FEB19	----	----	6.597 - 0.016	----	----	239	UNCH
MAR19	----	----	6.842 - 0.236	----	----	239	UNCH
APR19	----	----	10.863 - 0.275	----	----	281	UNCH
MAY19	----	----	11.036 - 0.219	----	----	281	UNCH
JUN19	----	----	10.856 - 0.248	----	----	281	UNCH
JUL19	----	----	10.052 - 0.440	----	----	239	UNCH
AUG19	----	----	9.364 - 0.380	----	----	239	UNCH
SEP19	----	----	8.505 - 0.311	----	----	239	UNCH
OCT19	----	----	6.261 + 0.013	----	----	239	UNCH
NOV19	----	----	5.177 + 0.072	----	----	239	UNCH
DEC19	----	----	5.180 + 0.058	----	----	239	UNCH

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7K FUT	GAS EURO-BOB OXY (ARG) CRACK					
TOTAL 7K FUT					839	25576 - 93
7H FUT	GAS EURO-BOB OXY (ARG) NEW BRG					
NOV17	----	----	606.310 - 3.478	----	----	872 UNCH
DEC17	----	----	574.773 - 6.578	----	39	902 - 5
JAN18	----	----	574.634 - 5.649	----	80	286 - 55
FEB18	----	----	577.711 - 4.835	----	50	311 + 22
MAR18	----	----	581.003 - 4.870	----	15	231 UNCH
APR18	----	----	613.083 - 4.680	----	25	287 - 2
MAY18	----	----	613.277 - 4.479	----	10	157 + 10
JUN18	----	----	609.510 - 4.327	----	----	94 UNCH
JUL18	----	----	602.812 - 4.343	----	----	28 UNCH
AUG18	----	----	594.903 - 4.607	----	----	18 UNCH
SEP18	----	----	585.762 - 4.516	----	----	78 UNCH
OCT18	----	----	553.344 - 4.180	----	----	38 UNCH
NOV18	----	----	543.431 - 3.789	----	----	39 UNCH
DEC18	----	----	538.626 - 4.067	----	----	33 UNCH
TOTAL 7H FUT					219	3374 - 30
GOC FUT	GASOIL (ICE) CRACK SPREAD					
NOV17	----	----	12.799 + 0.236	----	----	13 UNCH
DEC17	----	----	13.389 + 0.412	----	----	13 UNCH
JAN18	----	----	13.644 + 0.373	----	----	5 UNCH
FEB18	----	----	13.694 + 0.340	----	----	5 UNCH
MAR18	----	----	13.531 + 0.275	----	----	5 UNCH
TOTAL GOC FUT						41
WQ FUT	GASOIL 0.1 RDAM BRGS VS ICE					
JAN18	----	----	-11.791 + 1.459	----	----	12 UNCH
FEB18	----	----	-12.500 + 1.125	----	----	12 UNCH
MAR18	----	----	-12.375 + 1.375	----	----	12 UNCH
APR18	----	----	-14.250 + 0.250	----	----	12 UNCH
MAY18	----	----	-14.250 + 0.250	----	----	12 UNCH
JUN18	----	----	-14.250 + 0.250	----	----	12 UNCH
JUL18	----	----	-14.250 + 0.250	----	----	12 UNCH
AUG18	----	----	-14.250 + 0.250	----	----	12 UNCH
SEP18	----	----	-14.250 + 0.250	----	----	12 UNCH
OCT18	----	----	-14.209 + 0.125	----	----	12 UNCH
NOV18	----	----	-14.209 + 0.125	----	----	12 UNCH
DEC18	----	----	-14.209 + 0.125	----	----	12 UNCH
TOTAL WQ FUT						144
VL FUT	GASOIL 0.1 ROTTERDAM BARGES SW					
NOV17	----	----	550.114 + 1.364	----	----	10 UNCH
DEC17	----	----	546.363 + 2.671	----	----	10 UNCH
JAN18	----	----	545.220 + 0.959	----	5	15 + 5
TOTAL VL FUT					5	35 + 5
Z5 FUT	GASOIL 0.1CIF MED VS ICE GAS					
NOV17	----	----	-3.508 + 1.436	----	----	5 UNCH
DEC17	----	----	-3.375 + 1.458	----	----	5 UNCH
TOTAL Z5 FUT						10
TP FUT	GASOIL 10PPM VS ICE					
NOV17	----	----	3.812 + 0.216	----	----	45 UNCH
DEC17	----	----	3.687 + 0.187	----	----	45 UNCH
JAN18	----	----	3.625 + 0.125	----	----	66 UNCH
FEB18	----	----	4.250 UNCH	----	----	66 UNCH
MAR18	----	----	4.250 + 0.500	----	----	66 UNCH
APR18	----	----	4.375 + 0.063	----	----	46 UNCH
MAY18	----	----	4.375 + 0.063	----	----	46 UNCH
JUN18	----	----	4.375 + 0.062	----	----	46 UNCH
JUL18	----	----	4.375 UNCH	----	----	46 UNCH
AUG18	----	----	4.375 UNCH	----	----	46 UNCH
SEP18	----	----	4.375 UNCH	----	----	46 UNCH
OCT18	----	----	4.625 + 0.063	----	----	46 UNCH
NOV18	----	----	4.625 + 0.063	----	----	46 UNCH
DEC18	----	----	4.625 + 0.063	----	----	46 UNCH
TOTAL TP FUT						702
BG FUT	GASOIL BULLET					
DEC17	----	----	555.75 - 0.25	----	----	65 UNCH
DEC18	----	----	543.50 - 0.75	----	----	65 UNCH
TOTAL BG FUT						130
GX FUT	GASOIL CALENDAR					
NOV17	----	----	557.33 - 0.13	----	----	9 UNCH
DEC17	----	----	556.24 - 0.41	----	----	8 UNCH
TOTAL GX FUT						17
GZ FUT	GASOIL CRACK SPREAD CALENDAR					
NOV17	----	----	12.80 + 0.24	----	----	1664 UNCH

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GZ FUT	GASOIL CRACK SPREAD CALENDAR								
DEC17				13.39	+ 0.41			1616	UNCH
JAN18				13.64	+ 0.37			732	UNCH
FEB18				13.69	+ 0.34			732	UNCH
MAR18				13.53	+ 0.28			732	UNCH
APR18				13.40	+ 0.25		50	1171	+ 50
MAY18				13.27	+ 0.26		50	1171	+ 50
JUN18				13.31	+ 0.29		50	1171	+ 50
JUL18				13.44	+ 0.31			960	UNCH
AUG18				13.59	+ 0.31			960	UNCH
SEP18				13.80	+ 0.31			960	UNCH
OCT18				13.93	+ 0.32			547	UNCH
NOV18				13.93	+ 0.31			547	UNCH
DEC18				13.99	+ 0.30			547	UNCH
JAN19				14.06	+ 0.31			190	UNCH
FEB19				14.09	+ 0.34			190	UNCH
MAR19				14.11	+ 0.35			190	UNCH
APR19				14.13	+ 0.35			190	UNCH
MAY19				14.07	+ 0.36			190	UNCH
JUN19				14.22	+ 0.36			190	UNCH
JUL19				14.45	+ 0.36			190	UNCH
AUG19				14.64	+ 0.36			190	UNCH
SEP19				14.92	+ 0.37			190	UNCH
OCT19				15.14	+ 0.36			190	UNCH
NOV19				15.24	+ 0.36			190	UNCH
DEC19				15.40	+ 0.37			190	UNCH
JAN20				15.52	+ 0.38			390	UNCH
FEB20				15.56	+ 0.39			390	UNCH
MAR20				15.54	+ 0.40			390	UNCH
APR20				15.47	+ 0.41			390	UNCH
MAY20				15.42	+ 0.42			390	UNCH
JUN20				15.49	+ 0.43			390	UNCH
JUL20				15.62	+ 0.44			390	UNCH
AUG20				15.75	+ 0.43			390	UNCH
SEP20				15.85	+ 0.43			390	UNCH
OCT20				15.96	+ 0.44			390	UNCH
NOV20				16.02	+ 0.45			390	UNCH
DEC20				16.05	+ 0.47			390	UNCH
TOTAL GZ FUT							150	20470	+ 150
QA FUT	GASOIL MINI CALENDAR								
NOV17				557.330	- 0.125			81	UNCH
DEC17				556.238	- 0.412			38	UNCH
JAN18				557.011	- 0.500			20	UNCH
FEB18				556.275	- 0.663		12	4	- 12
MAR18				554.083	- 1.084			1	UNCH
APR18				552.012	- 1.250			71	UNCH
MAY18				549.859	- 1.076			71	UNCH
JUN18				548.750	- 0.833			71	UNCH
JUL18				548.023	- 0.750			6	UNCH
AUG18				547.228	- 0.750			6	UNCH
SEP18				546.838	- 0.750			6	UNCH
OCT18				545.772	- 0.750			3	UNCH
NOV18				544.057	- 0.750			3	UNCH
DEC18				543.013	- 0.750			3	UNCH
JAN19				542.205	NEW		1	1	+ 1
FEB19				541.350	NEW		1	1	+ 1
MAR19				540.167	NEW		1	1	+ 1
APR19				538.821	NEW		1	1	+ 1
MAY19				537.380	NEW		1	1	+ 1
JUN19				537.325	NEW		1	1	+ 1
JUL19				537.989	NEW		1	1	+ 1
AUG19				538.761	NEW		1	1	+ 1
SEP19				539.619	NEW		1	1	+ 1
OCT19				540.000	NEW		1	1	+ 1
NOV19				539.833	NEW		1	1	+ 1
DEC19				540.369	NEW		1	1	+ 1
TOTAL QA FUT							24	396	
A7 FUT	GROUP THREE ULSD (PLATTS)								
NOV17				1.8964	- 0.0166			25	UNCH
DEC17				1.8153	- 0.0067			25	UNCH
TOTAL A7 FUT								50	
A6 FUT	GRP THREE ULSD(PLT)VS HEAT OIL								
NOV17				-0.0104	- 0.0135			1750	UNCH
DEC17				-0.0900	UNCH		75	1935	+ 75
JAN18				-0.0750	- 0.0025			1004	UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
A6 FUT	GRP THREE ULSD(PLT)VS HEAT OIL							
FEB18	----	----	-0.0550	UNCH	----	----	794	UNCH
MAR18	----	----	-0.0425	UNCH	----	----	844	UNCH
APR18	----	----	-0.0100	UNCH	----	----	809	UNCH
MAY18	----	----	-0.0100	UNCH	----	----	809	UNCH
JUN18	----	----	-0.0100	UNCH	----	----	809	UNCH
JUL18	----	----	-0.0050	UNCH	----	----	554	UNCH
AUG18	----	----	-0.0050	UNCH	----	----	554	UNCH
SEP18	----	----	-0.0050	UNCH	----	----	554	UNCH
OCT18	----	----	0.0000	UNCH	----	----	509	UNCH
NOV18	----	----	-0.0350	UNCH	----	----	509	UNCH
DEC18	----	----	-0.0800	UNCH	----	----	509	UNCH
TOTAL A6 FUT						75	11943	+ 75
A8 FUT	GRP THREE UNL GS (PLT) VS RBOB							
NOV17	----	----	-0.0052	- 0.0162	----	----	1385	UNCH
DEC17	----	----	-0.0950	- 0.0050	----	----	1105	UNCH
JAN18	----	----	-0.0900	- 0.0050	----	----	375	UNCH
FEB18	----	----	-0.0800	- 0.0025	----	----	300	UNCH
MAR18	----	----	-0.1600	UNCH	----	----	125	UNCH
APR18	----	----	-0.1175	UNCH	----	----	150	UNCH
MAY18	----	----	-0.1050	UNCH	----	----	150	UNCH
JUN18	----	----	-0.0925	UNCH	----	----	150	UNCH
JUL18	----	----	-0.0875	UNCH	----	----	75	UNCH
AUG18	----	----	-0.0575	UNCH	----	----	75	UNCH
SEP18	----	----	0.0100	UNCH	----	----	75	UNCH
TOTAL A8 FUT							3965	
CRB FUT	GULF CBOB A2 PL VS RBOB SPR F							
NOV17	----	----	-0.0695	- 0.0053	----	----	203	UNCH
DEC17	----	----	-0.0900	- 0.0025	----	----	603	UNCH
JAN18	----	----	-0.0800	- 0.0025	----	----	90	UNCH
FEB18	----	----	-0.0725	UNCH	----	----	55	UNCH
TOTAL CRB FUT							951	
GCU FUT	GULF CO NO6 FUELOIL 3% V. EURO 3.5%							
NOV17	----	----	0.519	- 0.032	----	----	2253	UNCH
DEC17	----	----	-0.079	- 0.033	----	300	2941	- 150
JAN18	----	----	-0.274	+ 0.010	----	125	1142	+ 125
FEB18	----	----	-0.352	+ 0.016	----	125	1142	+ 125
MAR18	----	----	-0.430	+ 0.036	----	125	1142	+ 125
APR18	----	----	-0.508	+ 0.019	----	----	761	UNCH
MAY18	----	----	-0.529	+ 0.010	----	----	761	UNCH
JUN18	----	----	-0.574	- 0.007	----	----	976	UNCH
JUL18	----	----	-0.537	+ 0.006	----	----	869	UNCH
AUG18	----	----	-0.446	- 0.010	----	----	869	UNCH
SEP18	----	----	-0.308	+ 0.009	----	----	869	UNCH
OCT18	----	----	-0.183	- 0.007	----	----	653	UNCH
NOV18	----	----	-0.110	- 0.006	----	----	653	UNCH
DEC18	----	----	0.041	- 0.007	----	----	668	UNCH
JAN19	----	----	-0.101	- 0.010	----	----	56	UNCH
FEB19	----	----	-0.195	- 0.049	----	----	56	UNCH
MAR19	----	----	-0.275	- 0.069	----	----	56	UNCH
APR19	----	----	-0.320	- 0.069	----	----	151	UNCH
MAY19	----	----	-0.263	- 0.019	----	----	151	UNCH
JUN19	----	----	-0.258	+ 0.031	----	----	151	UNCH
JUL19	----	----	-0.231	- 0.014	----	----	96	UNCH
AUG19	----	----	-0.168	+ 0.016	----	----	96	UNCH
SEP19	----	----	-0.094	+ 0.007	----	----	96	UNCH
OCT19	----	----	-0.049	- 0.012	----	----	96	UNCH
NOV19	----	----	0.008	+ 0.027	----	----	96	UNCH
DEC19	----	----	0.153	+ 0.096	----	----	96	UNCH
TOTAL GCU FUT						675	16896	+ 225
VZ FUT	GULF COAST 3% FUEL OIL BALMO							
02NOV17	----	----	54.995	- 0.203	----	----	75	UNCH
07NOV17	----	----	54.857	- 0.241	----	----	30	UNCH
08NOV17	----	----	54.711	- 0.257	----	----	625	UNCH
10NOV17	----	----	54.339	- 0.297	----	----	109	UNCH
13NOV17	----	----	54.178	- 0.321	----	----	200	UNCH
14NOV17	----	----	54.030	- 0.350	----	----	19	UNCH
TOTAL VZ FUT							1058	
MF FUT	GULF COAST HSFO (PLATTS) FUTURES							
NOV17	----	----	54.93	- 0.20	----	----	9142	UNCH
DEC17	----	----	53.30	- 0.40	----	1744	7076	+ 190
JAN18	----	----	52.95	- 0.40	----	1734	4384	+ 539
FEB18	----	----	52.77	- 0.40	----	380	1479	- 328
MAR18	----	----	52.58	- 0.39	----	380	2249	- 208



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MF FUT	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
GULF COAST HSFO (PLATTS) FUTURES						
APR18	----	----	52.38 - 0.39	----	425	1578 - 250
MAY18	----	----	52.20 - 0.40	----	425	1633 - 250
JUN18	----	----	52.00 - 0.42	----	425	1959 - 275
JUL18	----	----	51.80 - 0.40	----	105	1671 + 25
AUG18	----	----	51.55 - 0.40	----	105	1471 + 25
SEP18	----	----	51.28 - 0.40	----	105	1471 + 25
OCT18	----	----	50.97 - 0.41	----	----	722 UNCH
NOV18	----	----	50.57 - 0.41	----	----	722 UNCH
DEC18	----	----	50.17 - 0.41	----	----	1054 UNCH
JAN19	----	----	49.77 - 0.40	----	----	100 UNCH
FEB19	----	----	49.42 - 0.40	----	----	100 UNCH
MAR19	----	----	49.04 - 0.40	----	----	100 UNCH
APR19	----	----	48.63 - 0.40	----	----	116 UNCH
MAY19	----	----	48.15 - 0.35	----	----	116 UNCH
JUN19	----	----	47.53 - 0.30	----	----	116 UNCH
JUL19	----	----	46.77 - 0.34	----	----	76 UNCH
AUG19	----	----	45.77 - 0.29	----	----	76 UNCH
SEP19	----	----	44.54 - 0.24	----	----	76 UNCH
OCT19	----	----	42.99 - 0.24	----	----	76 UNCH
NOV19	----	----	41.32 - 0.24	----	----	76 UNCH
DEC19	----	----	39.59 - 0.19	----	----	76 UNCH
JAN20	----	----	38.25 - 0.09	----	----	34 UNCH
FEB20	----	----	38.72 - 0.12	----	----	34 UNCH
MAR20	----	----	39.17 - 0.17	----	----	34 UNCH
APR20	----	----	39.57 - 0.22	----	----	34 UNCH
MAY20	----	----	39.95 - 0.22	----	----	34 UNCH
JUN20	----	----	40.32 - 0.22	----	----	34 UNCH
JUL20	----	----	40.67 - 0.22	----	----	29 UNCH
AUG20	----	----	41.02 - 0.22	----	----	29 UNCH
SEP20	----	----	41.30 - 0.22	----	----	29 UNCH
OCT20	----	----	41.55 - 0.24	----	----	29 UNCH
NOV20	----	----	41.77 - 0.27	----	----	29 UNCH
DEC20	----	----	42.00 - 0.29	----	----	29 UNCH
TOTAL MF FUT					5828	38093 - 507
GULF COAST JET FUEL CLNDR						
NOV17	----	----	1.7384 - 0.0028	----	----	84 UNCH
DEC17	----	----	1.7303 - 0.0017	----	----	84 UNCH
JAN18	----	----	1.7412 - 0.0043	----	----	64 UNCH
FEB18	----	----	1.7414 - 0.0097	----	----	72 UNCH
MAR18	----	----	1.7343 - 0.0102	----	----	76 UNCH
APR18	----	----	1.7325 - 0.0084	----	----	87 UNCH
MAY18	----	----	1.7235 - 0.0092	----	----	93 UNCH
JUN18	----	----	1.7202 - 0.0095	----	----	87 UNCH
JUL18	----	----	1.7250 - 0.0096	----	----	9 UNCH
AUG18	----	----	1.7247 - 0.0094	----	----	9 UNCH
SEP18	----	----	1.7264 - 0.0092	----	----	9 UNCH
OCT18	----	----	1.7187 - 0.0089	----	----	24 UNCH
NOV18	----	----	1.7101 - 0.0090	----	----	24 UNCH
DEC18	----	----	1.7012 - 0.0092	----	----	24 UNCH
TOTAL GE FUT						746
GULF COAST JET VS NYM 2 HO SPRD						
NOV17	----	----	-0.1685 + 0.0001	----	----	6769 UNCH
DEC17	----	----	-0.1750 + 0.0050	----	925	4530 - 25
JAN18	----	----	-0.1625 + 0.0025	----	400	1677 - 70
FEB18	----	----	-0.1525 - 0.0025	----	225	1547 - 150
MAR18	----	----	-0.1425 - 0.0025	----	225	1547 - 150
APR18	----	----	-0.1325 UNCH	----	30	1369 + 30
MAY18	----	----	-0.1325 UNCH	----	30	1304 + 30
JUN18	----	----	-0.1325 UNCH	----	30	1304 + 30
JUL18	----	----	-0.1250 UNCH	----	----	1079 UNCH
AUG18	----	----	-0.1250 UNCH	----	----	1079 UNCH
SEP18	----	----	-0.1250 UNCH	----	----	1079 UNCH
OCT18	----	----	-0.1350 UNCH	----	----	672 UNCH
NOV18	----	----	-0.1450 UNCH	----	----	672 UNCH
DEC18	----	----	-0.1550 UNCH	----	----	672 UNCH
TOTAL ME FUT					1865	25300 - 305
GULF COAST NO.6 FUEL OIL CRACK						
NOV17	----	----	-0.82 - 0.12	----	----	340 UNCH
DEC17	----	----	-2.10 - 0.23	----	----	487 UNCH
JAN18	----	----	-2.58 - 0.23	----	----	500 UNCH
FEB18	----	----	-2.86 - 0.21	----	----	300 UNCH
MAR18	----	----	-3.10 - 0.20	----	----	260 UNCH
APR18	----	----	-3.26 - 0.20	----	----	165 UNCH
MAY18	----	----	-3.32 - 0.21	----	----	165 UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
MG FUT	GULF COAST NO.6 FUEL OIL CRACK						
JUN18	----	----	-3.29 - 0.23	----	----	165	UNCH
JUL18	----	----	-3.23 - 0.21	----	----	210	UNCH
AUG18	----	----	-3.20 - 0.19	----	----	210	UNCH
SEP18	----	----	-3.20 - 0.19	----	----	210	UNCH
OCT18	----	----	-3.25 - 0.20	----	----	115	UNCH
NOV18	----	----	-3.35 - 0.19	----	----	115	UNCH
DEC18	----	----	-3.48 - 0.19	----	----	115	UNCH
JAN19	----	----	-3.62 - 0.18	----	----	135	UNCH
FEB19	----	----	-3.72 - 0.16	----	----	135	UNCH
MAR19	----	----	-3.87 - 0.16	----	----	135	UNCH
APR19	----	----	-4.08 - 0.15	----	----	135	UNCH
MAY19	----	----	-4.35 - 0.09	----	----	135	UNCH
JUN19	----	----	-4.78 - 0.03	----	----	135	UNCH
TOTAL MG FUT						4167	
LY FUT	GULF COAST ULSD CALENDAR						
NOV17	----	----	1.8354 - 0.0028	----	----	560	UNCH
DEC17	----	----	1.8253 - 0.0042	----	----	556	UNCH
JAN18	----	----	1.8312 - 0.0068	----	----	128	UNCH
FEB18	----	----	1.8314 - 0.0072	----	----	128	UNCH
MAR18	----	----	1.8318 - 0.0077	----	----	128	UNCH
APR18	----	----	1.8225 - 0.0084	----	----	136	UNCH
MAY18	----	----	1.8135 - 0.0092	----	----	136	UNCH
JUN18	----	----	1.8102 - 0.0095	----	----	136	UNCH
JUL18	----	----	1.8100 - 0.0096	----	----	76	UNCH
AUG18	----	----	1.8097 - 0.0094	----	----	76	UNCH
SEP18	----	----	1.8114 - 0.0092	----	----	76	UNCH
OCT18	----	----	1.8087 - 0.0089	----	----	76	UNCH
NOV18	----	----	1.8001 - 0.0090	----	----	74	UNCH
DEC18	----	----	1.7812 - 0.0092	----	----	74	UNCH
TOTAL LY FUT						2360	
GY FUT	GULF COAST ULSD CRACK SPREAD						
NOV17	----	----	21.34 - 0.03	----	----	160	UNCH
DEC17	----	----	21.26 - 0.01	----	----	160	UNCH
JAN18	----	----	21.38 - 0.12	----	----	50	UNCH
FEB18	----	----	21.29 - 0.11	----	----	50	UNCH
MAR18	----	----	21.26 - 0.13	----	----	50	UNCH
APR18	----	----	20.91 - 0.16	----	----	50	UNCH
MAY18	----	----	20.65 - 0.19	----	----	50	UNCH
JUN18	----	----	20.74 - 0.21	----	----	50	UNCH
JUL18	----	----	20.99 - 0.21	----	----	50	UNCH
AUG18	----	----	21.26 - 0.18	----	----	50	UNCH
SEP18	----	----	21.60 - 0.18	----	----	50	UNCH
OCT18	----	----	21.75 - 0.16	----	----	50	UNCH
NOV18	----	----	21.68 - 0.16	----	----	50	UNCH
DEC18	----	----	21.16 - 0.17	----	----	50	UNCH
TOTAL GY FUT						920	
GBB FUT	GULF CST UNL 87 GAS M2 V. RBOB BLMO						
02NOV17	----	----	-0.0314 - 0.0036	----	----	100	UNCH
03NOV17	----	----	-0.0340 - 0.0039	----	----	325	UNCH
06NOV17	----	----	-0.0376 - 0.0041	----	----	225	UNCH
07NOV17	----	----	-0.0414 - 0.0044	----	----	275	UNCH
15NOV17	----	----	-0.0595 - 0.0070	----	----	100	UNCH
TOTAL GBB FUT						1025	
GCC FUT	GULF UNL87 M2 PL CRACK SPRD F						
NOV17	----	----	16.785 - 0.542	----	----	100	UNCH
DEC17	----	----	14.392 - 0.725	----	----	50	UNCH
TOTAL GCC FUT						150	
RVG FUT	GULF UNL87 M2 PL VS RBOB SPR F						
NOV17	----	----	-0.0289 - 0.0035	----	----	4210	UNCH
DEC17	----	----	-0.0500 UNCH	----	650	6400 - 75	
JAN18	----	----	-0.0425 - 0.0025	----	250	1133 + 250	
FEB18	----	----	-0.0350 UNCH	----	----	550	UNCH
MAR18	----	----	-0.1300 UNCH	----	----	288	UNCH
APR18	----	----	-0.1050 - 0.0075	----	50	393 + 40	
MAY18	----	----	-0.0900 - 0.0025	----	50	243 + 40	
JUN18	----	----	-0.0800 - 0.0025	----	50	243 + 40	
JUL18	----	----	-0.0700 - 0.0025	----	----	128	UNCH
AUG18	----	----	-0.0500 UNCH	----	----	128	UNCH
SEP18	----	----	0.0175 UNCH	----	----	128	UNCH
OCT18	----	----	0.0025 UNCH	----	----	138	UNCH
NOV18	----	----	-0.0300 UNCH	----	----	138	UNCH
DEC18	----	----	-0.0400 UNCH	----	----	138	UNCH
TOTAL RVG FUT					1050	14258 + 295	

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	HEATING OIL VS. BRENT	CRACK SPREAD	SETT. PRICE & PT. CHGE		GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
HOB FUT								
NOV17	----	----	18.067 + 0.118		----	----	2380	UNCH
DEC17	----	----	18.749 + 0.186		----	----	2393	UNCH
JAN18	----	----	18.832 + 0.154		----	----	641	UNCH
FEB18	----	----	18.570 + 0.127		----	----	641	UNCH
MAR18	----	----	17.983 + 0.097		----	----	697	UNCH
APR18	----	----	17.637 + 0.066		----	----	715	UNCH
MAY18	----	----	17.410 + 0.014		----	----	553	UNCH
JUN18	----	----	17.464 + 0.002		----	----	553	UNCH
JUL18	----	----	17.581 + 0.007		----	----	518	UNCH
AUG18	----	----	17.819 + 0.015		----	----	518	UNCH
SEP18	----	----	18.162 + 0.024		----	----	518	UNCH
OCT18	----	----	18.525 + 0.046		----	----	535	UNCH
NOV18	----	----	18.813 + 0.032		----	----	535	UNCH
DEC18	----	----	19.059 + 0.014		----	----	535	UNCH
JAN19	----	----	19.053 + 0.017		----	----	119	UNCH
FEB19	----	----	18.750 + 0.021		----	----	119	UNCH
MAR19	----	----	18.212 + 0.021		----	----	119	UNCH
APR19	----	----	18.057 + 0.013		----	----	119	UNCH
MAY19	----	----	18.003 + 0.027		----	----	119	UNCH
JUN19	----	----	18.167 + 0.026		----	----	119	UNCH
JUL19	----	----	18.388 + 0.026		----	----	119	UNCH
AUG19	----	----	18.691 + 0.026		----	----	119	UNCH
SEP19	----	----	19.062 + 0.035		----	----	119	UNCH
OCT19	----	----	19.502 + 0.026		----	----	119	UNCH
NOV19	----	----	19.894 + 0.026		----	----	119	UNCH
DEC19	----	----	20.189 + 0.038		----	----	119	UNCH
TOTAL HOB FUT							13160	
JA FUT	JAPAN C&F NAPHTHA							
NOV17	----	----	580.17 - 2.08		----	----	567	UNCH
DEC17	----	----	566.67 - 5.16		----	30	434 + 30	
JAN18	----	----	560.27 - 5.05		----	2	208 + 2	
FEB18	----	----	553.09 - 5.30		----	2	148	UNCH
MAR18	----	----	546.20 - 4.96		----	2	140	UNCH
APR18	----	----	539.36 - 5.37		----	----	77	UNCH
MAY18	----	----	534.09 - 5.18		----	----	71	UNCH
JUN18	----	----	529.84 - 4.91		----	----	54	UNCH
JUL18	----	----	526.69 - 5.57		----	----	25	UNCH
AUG18	----	----	523.81 - 5.74		----	----	25	UNCH
SEP18	----	----	521.09 - 5.77		----	----	25	UNCH
OCT18	----	----	518.34 - 5.94		----	----	14	UNCH
NOV18	----	----	515.84 - 5.83		----	----	14	UNCH
DEC18	----	----	513.41 - 5.73		----	----	14	UNCH
TOTAL JA FUT						36	1816 + 32	
JB FUT	JAPAN C&F NAPHTHA CRACK SPREAD							
NOV17	----	----	3.18 + 0.02		----	----	438	UNCH
DEC17	----	----	2.40 - 0.11		----	----	200	UNCH
JAN18	----	----	1.83 - 0.13		----	----	211	UNCH
FEB18	----	----	1.17 - 0.17		----	----	157	UNCH
MAR18	----	----	0.53 - 0.14		----	----	157	UNCH
APR18	----	----	-0.09 - 0.18		----	----	10	UNCH
MAY18	----	----	-0.53 - 0.18		----	----	10	UNCH
JUN18	----	----	-1.48 - 0.14		----	----	36	UNCH
TOTAL JB FUT							1219	
JNC FUT	JAPAN C&F NAPHTHA DUBAI (PLATTS) CR							
NOV17	----	----	4.966 + 0.037		----	----	50	UNCH
DEC17	----	----	4.497 + 0.027		----	----	50	UNCH
TOTAL JNC FUT							100	
1T FUT	JET AVIA FUEL(PLTT) CRGS FOB M							
JAN18	----	----	581.416 - 0.429		----	----	6	UNCH
FEB18	----	----	580.596 - 0.717		----	----	6	UNCH
MAR18	----	----	578.405 - 1.095		----	----	6	UNCH
APR18	----	----	576.333 - 1.429		----	----	6	UNCH
MAY18	----	----	574.180 - 1.255		----	----	6	UNCH
JUN18	----	----	573.071 - 1.012		----	----	6	UNCH
JUL18	----	----	572.386 - 0.970		----	----	3	UNCH
AUG18	----	----	571.591 - 0.971		----	----	3	UNCH
SEP18	----	----	571.201 - 0.970		----	----	3	UNCH
OCT18	----	----	569.968 - 1.137		----	----	3	UNCH
NOV18	----	----	568.253 - 1.137		----	----	3	UNCH
DEC18	----	----	567.209 - 1.137		----	----	3	UNCH
TOTAL 1T FUT							54	
1V FUT	JET AVIA FUEL(PLTT) FOB V. ICE							
NOV17	----	----	31.316 + 0.612		----	----	5	UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
1V FUT	JET AVIA FUEL(PLTT) FOB V. ICE						
DEC17	----	----	25.196 + 0.529		----	----	5 UNCH
JAN18	----	----	24.405 + 0.071		----	----	2 UNCH
FEB18	----	----	24.321 - 0.054		----	----	2 UNCH
MAR18	----	----	24.322 - 0.011		----	----	2 UNCH
APR18	----	----	24.321 - 0.179		----	----	2 UNCH
MAY18	----	----	24.321 - 0.179		----	----	2 UNCH
JUN18	----	----	24.321 - 0.179		----	----	2 UNCH
JUL18	----	----	24.363 - 0.220		----	----	2 UNCH
AUG18	----	----	24.363 - 0.221		----	----	2 UNCH
SEP18	----	----	24.363 - 0.220		----	----	2 UNCH
OCT18	----	----	24.196 - 0.387		----	----	2 UNCH
NOV18	----	----	24.196 - 0.387		----	----	2 UNCH
DEC18	----	----	24.196 - 0.387		----	----	2 UNCH
TOTAL 1V FUT							34
JC FUT	JET CIF NWE VS ICE						
NOV17	----	----	43.76 + 0.77		----	----	55 UNCH
DEC17	----	----	37.62 + 0.70		----	----	65 UNCH
JAN18	----	----	36.83 + 0.25		----	10	65 + 10
FEB18	----	----	36.76 + 0.14		----	----	75 UNCH
MAR18	----	----	36.75 + 0.17		----	----	75 UNCH
APR18	----	----	36.75 UNCH		----	----	28 UNCH
MAY18	----	----	36.75 UNCH		----	----	28 UNCH
JUN18	----	----	36.75 UNCH		----	----	28 UNCH
JUL18	----	----	36.79 - 0.05		----	----	11 UNCH
AUG18	----	----	36.79 - 0.04		----	----	11 UNCH
SEP18	----	----	36.79 - 0.04		----	----	11 UNCH
OCT18	----	----	36.63 - 0.21		----	5	18 + 5
NOV18	----	----	36.62 - 0.21		----	5	18 + 5
DEC18	----	----	36.63 - 0.21		----	5	18 + 5
JAN19	----	----	38.25 - 0.13		----	----	4 UNCH
FEB19	----	----	38.25 - 0.12		----	----	4 UNCH
MAR19	----	----	38.25 - 0.12		----	----	4 UNCH
APR19	----	----	38.75 UNCH		----	----	9 UNCH
MAY19	----	----	38.75 UNCH		----	----	9 UNCH
JUN19	----	----	38.76 UNCH		----	----	9 UNCH
JUL19	----	----	38.75 UNCH		----	----	4 UNCH
AUG19	----	----	38.75 UNCH		----	----	4 UNCH
SEP19	----	----	38.75 UNCH		----	----	4 UNCH
OCT19	----	----	39.00 UNCH		----	----	4 UNCH
NOV19	----	----	39.00 UNCH		----	----	4 UNCH
DEC19	----	----	39.00 UNCH		----	----	4 UNCH
TOTAL JC FUT						25	569 + 25
6X FUT	JET FUEL CRG CIF NEW VS ICE BLM						
06NOV17	----	----	44.237 + 0.882		----	----	2 UNCH
TOTAL 6X FUT							2
1M FUT	JET FUEL UP-DOWN BALMO CLNDR S						
02NOV17	----	----	-0.1684 + 0.0001		----	----	810 UNCH
03NOV17	----	----	-0.1686 + 0.0001		----	----	450 UNCH
06NOV17	----	----	-0.1693 + 0.0002		----	----	400 UNCH
07NOV17	----	----	-0.1705 + 0.0001		----	----	50 UNCH
08NOV17	----	----	-0.1723 + 0.0001		----	----	150 UNCH
10NOV17	----	----	-0.1755 + 0.0002		----	----	200 UNCH
13NOV17	----	----	-0.1759 + 0.0002		----	----	50 UNCH
14NOV17	----	----	-0.1748 + 0.0002		----	----	220 UNCH
15NOV17	----	----	-0.1748 + 0.0002		----	----	375 UNCH
16NOV17	----	----	-0.1750 NEW		----	125	125 + 125
TOTAL 1M FUT						125	2830 + 125
KL FUT	LA CARB DIESEL (OPIS)						
NOV17	----	----	0.0547 - 0.0130		----	----	75 UNCH
DEC17	----	----	-0.0075 UNCH		----	----	175 UNCH
TOTAL KL FUT							250
JL FUT	LA CARBOB GASOLINE(OPIS)						
NOV17	----	----	0.0565 - 0.0032		----	----	25 UNCH
DEC17	----	----	0.0400 UNCH		----	----	100 UNCH
TOTAL JL FUT							125
JS FUT	LA JET (OPIS)						
NOV17	----	----	-0.0696 - 0.0037		----	----	900 UNCH
DEC17	----	----	-0.0583 UNCH		----	----	585 UNCH
TOTAL JS FUT							1485
MAS FUT	MIN ARGUS PROPANE SAUDI ARAMCO						
JAN18	----	----	578.616 - 1.444		----	----	10 UNCH
TOTAL MAS FUT							10
MNC FUT	MIN EURO NPHTHA CIF NWE						

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	MIN	EURO	NPHTHA	CIF	NWE	SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
MNC FUT	MIN EURO NPHTHA CIF NWE									
NOV17	----	----	----	----	----	566.291 - 1.650	----	----	1230	UNCH
DEC17	----	----	----	----	----	554.666 - 4.408	----	120	1185 +	10
JAN18	----	----	----	----	----	548.106 - 4.462	----	----	178	UNCH
FEB18	----	----	----	----	----	541.094 - 4.634	----	----	122	UNCH
MAR18	----	----	----	----	----	534.075 - 4.749	----	----	133	UNCH
APR18	----	----	----	----	----	528.106 - 4.786	----	----	42	UNCH
MAY18	----	----	----	----	----	523.339 - 4.593	----	----	42	UNCH
JUN18	----	----	----	----	----	519.670 - 4.574	----	----	42	UNCH
JUL18	----	----	----	----	----	516.359 - 4.816	----	----	25	UNCH
AUG18	----	----	----	----	----	513.395 - 4.987	----	----	25	UNCH
SEP18	----	----	----	----	----	510.758 - 4.855	----	----	39	UNCH
OCT18	----	----	----	----	----	508.091 - 4.858	----	----	29	UNCH
NOV18	----	----	----	----	----	505.503 - 4.744	----	----	29	UNCH
DEC18	----	----	----	----	----	502.905 - 4.726	----	----	29	UNCH
JAN19	----	----	----	----	----	500.400 - 4.582	----	----	2	UNCH
FEB19	----	----	----	----	----	497.715 - 4.712	----	----	2	UNCH
MAR19	----	----	----	----	----	494.907 - 4.756	----	----	2	UNCH
APR19	----	----	----	----	----	492.147 - 4.805	----	----	2	UNCH
MAY19	----	----	----	----	----	489.596 - 4.800	----	----	2	UNCH
JUN19	----	----	----	----	----	487.345 - 4.712	----	----	2	UNCH
JUL19	----	----	----	----	----	485.409 - 4.586	----	----	2	UNCH
AUG19	----	----	----	----	----	483.548 - 4.377	----	----	2	UNCH
SEP19	----	----	----	----	----	481.496 - 4.369	----	----	2	UNCH
OCT19	----	----	----	----	----	479.567 - 4.194	----	----	2	UNCH
NOV19	----	----	----	----	----	477.280 - 4.155	----	----	2	UNCH
DEC19	----	----	----	----	----	475.009 - 4.114	----	----	2	UNCH
TOTAL MNC FUT								120	3174 +	10
MGF FUT	MIN GSL .1 PLTS CRGS CIFNWE VS GSL									
NOV17	----	----	----	----	----	-4.978 + 0.363	----	----	16	UNCH
DEC17	----	----	----	----	----	-5.563 + 0.937	----	----	8	UNCH
TOTAL MGF FUT									24	
MJN FUT	MIN JAPAN C&F NAPHTHA PLATTS									
NOV17	----	----	----	----	----	580.171 - 2.083	----	----	710	UNCH
DEC17	----	----	----	----	----	566.666 - 5.158	----	60	366 +	40
JAN18	----	----	----	----	----	560.273 - 5.045	----	10	80 -	10
FEB18	----	----	----	----	----	553.094 - 5.301	----	10	170 -	10
MAR18	----	----	----	----	----	546.200 - 4.958	----	10	83 -	10
APR18	----	----	----	----	----	539.356 - 5.370	----	----	40	UNCH
MAY18	----	----	----	----	----	534.089 - 5.176	----	----	40	UNCH
JUN18	----	----	----	----	----	529.837 - 4.907	----	----	40	UNCH
JUL18	----	----	----	----	----	526.693 - 5.565	----	----	10	UNCH
AUG18	----	----	----	----	----	523.811 - 5.738	----	----	10	UNCH
SEP18	----	----	----	----	----	521.091 - 5.772	----	----	10	UNCH
TOTAL MJN FUT								90	1559 +	10
MJC FUT	MIN JETKERO CRGOS CIF NWE VS GASOIL									
NOV17	----	----	----	----	----	43.761 + 0.761	----	----	195	UNCH
DEC17	----	----	----	----	----	37.620 + 0.700	----	----	80	UNCH
JAN18	----	----	----	----	----	36.830 + 0.250	----	----	55	UNCH
FEB18	----	----	----	----	----	36.760 + 0.140	----	----	50	UNCH
MAR18	----	----	----	----	----	36.750 + 0.170	----	----	60	UNCH
APR18	----	----	----	----	----	36.750 UNCH	----	----	60	UNCH
MAY18	----	----	----	----	----	36.750 UNCH	----	----	35	UNCH
JUN18	----	----	----	----	----	36.750 UNCH	----	----	35	UNCH
JUL18	----	----	----	----	----	36.790 - 0.050	----	----	10	UNCH
AUG18	----	----	----	----	----	36.790 - 0.040	----	----	10	UNCH
SEP18	----	----	----	----	----	36.790 - 0.040	----	----	10	UNCH
JUL19	----	----	----	----	----	38.750 UNCH	----	----	10	UNCH
AUG19	----	----	----	----	----	38.750 UNCH	----	----	10	UNCH
SEP19	----	----	----	----	----	38.750 UNCH	----	----	10	UNCH
TOTAL MJC FUT									630	
MTB FUT	MIN SPORE FUELOIL380CST(PLTS) BALMO									
07NOV17	----	----	----	----	----	363.828 - 1.286	----	----	10	UNCH
08NOV17	----	----	----	----	----	362.933 - 1.362	----	----	20	UNCH
TOTAL MTB FUT									30	
UCM FUT	MIN ULSD 10PPM CRGOS CIF MED VS GSL									
NOV17	----	----	----	----	----	6.784 + 0.228	----	----	13	UNCH
DEC17	----	----	----	----	----	5.458 + 0.208	----	----	43	UNCH
TOTAL UCM FUT									56	
MGN FUT	MIN ULSD 10PPM CRGS CIF NWE VS GSL									
NOV17	----	----	----	----	----	3.812 + 0.216	----	----	50	UNCH
DEC17	----	----	----	----	----	3.687 + 0.187	----	10	100	UNCH
JAN18	----	----	----	----	----	3.625 + 0.125	----	----	12	UNCH
FEB18	----	----	----	----	----	4.250 UNCH	----	----	12	UNCH



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	MIN	ULSD	10PPM	CRGS	CIF	NWE	VS	GSL	SETT. PRICE & PT. CHGE	GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
MGN FUT	MINI 3.5% FUEL OIL CAR MED												
MAR18	----	----	----	----	----	----	----	----	4.250 + 0.500	----	----	22 UNCH	
APR18	----	----	----	----	----	----	----	----	4.375 + 0.063	----	----	2 UNCH	
MAY18	----	----	----	----	----	----	----	----	4.375 + 0.063	----	----	2 UNCH	
JUN18	----	----	----	----	----	----	----	----	4.375 + 0.062	----	----	2 UNCH	
JUL18	----	----	----	----	----	----	----	----	4.375 UNCH	----	----	12 UNCH	
AUG18	----	----	----	----	----	----	----	----	4.375 UNCH	----	----	2 UNCH	
SEP18	----	----	----	----	----	----	----	----	4.375 UNCH	----	----	12 UNCH	
OCT18	----	----	----	----	----	----	----	----	4.625 + 0.063	----	----	12 UNCH	
NOV18	----	----	----	----	----	----	----	----	4.625 + 0.063	----	----	12 UNCH	
DEC18	----	----	----	----	----	----	----	----	4.625 + 0.063	----	----	2 UNCH	
TOTAL MGN FUT											10	254	
MMF FUT	MINI ARGUS PROPANE FAR EAST IDX												
NOV17	----	----	----	----	----	----	----	----	344.739 - 1.014	----	----	41 UNCH	
DEC17	----	----	----	----	----	----	----	----	335.708 - 2.329	----	----	6 UNCH	
JAN18	----	----	----	----	----	----	----	----	335.973 - 2.603	----	----	2 UNCH	
FEB18	----	----	----	----	----	----	----	----	335.553 - 2.643	----	----	6 UNCH	
MAR18	----	----	----	----	----	----	----	----	334.883 - 2.665	----	----	2 UNCH	
APR18	----	----	----	----	----	----	----	----	334.358 - 2.560	----	----	6 UNCH	
MAY18	----	----	----	----	----	----	----	----	333.332 - 2.602	----	----	2 UNCH	
JUN18	----	----	----	----	----	----	----	----	332.348 - 2.602	----	----	6 UNCH	
JUL18	----	----	----	----	----	----	----	----	330.840 - 2.581	----	----	2 UNCH	
AUG18	----	----	----	----	----	----	----	----	328.675 - 2.475	----	----	6 UNCH	
SEP18	----	----	----	----	----	----	----	----	326.050 - 2.600	----	----	2 UNCH	
OCT18	----	----	----	----	----	----	----	----	323.300 - 2.600	----	----	6 UNCH	
NOV18	----	----	----	----	----	----	----	----	320.300 - 2.600	----	----	2 UNCH	
DEC18	----	----	----	----	----	----	----	----	318.008 - 2.475	----	----	6 UNCH	
JAN19	----	----	----	----	----	----	----	----	315.717 - 2.350	----	----	2 UNCH	
FEB19	----	----	----	----	----	----	----	----	313.425 - 2.225	----	----	2 UNCH	
MAR19	----	----	----	----	----	----	----	----	310.758 - 2.184	----	----	2 UNCH	
APR19	----	----	----	----	----	----	----	----	308.092 - 2.141	----	----	2 UNCH	
MAY19	----	----	----	----	----	----	----	----	305.425 - 2.100	----	----	2 UNCH	
JUN19	----	----	----	----	----	----	----	----	300.175 - 2.058	----	----	2 UNCH	
TOTAL MMF FUT												107	
MAE FUT	MINI EU 1%FO BARGE FOB RDAM FUT												
NOV17	----	----	----	----	----	----	----	----	588.940 + 0.114	----	----	70 UNCH	
DEC17	----	----	----	----	----	----	----	----	589.343 - 1.556	----	----	50 UNCH	
JAN18	----	----	----	----	----	----	----	----	587.283 - 1.610	----	----	10 UNCH	
FEB18	----	----	----	----	----	----	----	----	579.271 - 1.782	----	----	20 UNCH	
MAR18	----	----	----	----	----	----	----	----	542.752 - 1.314	----	----	20 UNCH	
MAY18	----	----	----	----	----	----	----	----	492.474 NEW	----	10	10 + 10	
JUN18	----	----	----	----	----	----	----	----	485.680 NEW	----	10	10 + 10	
TOTAL MAE FUT											20	190 + 20	
T0 FUT	MINI EU 1%FO CARGO FOB NWE BALMO F												
NOV17	----	----	----	----	----	----	----	----	348.955 - 1.593	----	----	53 UNCH	
DEC17	----	----	----	----	----	----	----	----	339.020 - 2.017	----	----	53 UNCH	
JAN18	----	----	----	----	----	----	----	----	339.848 - 2.665	----	----	23 UNCH	
FEB18	----	----	----	----	----	----	----	----	340.386 - 3.018	----	----	23 UNCH	
MAR18	----	----	----	----	----	----	----	----	340.592 - 3.289	----	----	23 UNCH	
APR18	----	----	----	----	----	----	----	----	340.671 - 3.185	----	----	7 UNCH	
MAY18	----	----	----	----	----	----	----	----	341.082 - 3.102	----	----	7 UNCH	
JUN18	----	----	----	----	----	----	----	----	340.598 - 3.227	----	----	7 UNCH	
OCT18	----	----	----	----	----	----	----	----	334.425 - 3.350	----	----	18 UNCH	
NOV18	----	----	----	----	----	----	----	----	332.175 - 3.475	----	----	18 UNCH	
DEC18	----	----	----	----	----	----	----	----	328.550 - 4.600	----	----	18 UNCH	
TOTAL T0 FUT												250	
0C FUT	MINI EU 3.5%FO BARGE FOB RDAM FUT												
13NOV17	----	----	----	----	----	----	----	----	344.340 - 2.736	----	----	20 UNCH	
TOTAL 0C FUT												20	
0B FUT	MINI EU 1%FO CARGO FOB NWE FUT												
NOV17	----	----	----	----	----	----	----	----	349.637 - 1.741	----	----	30 UNCH	
DEC17	----	----	----	----	----	----	----	----	342.708 - 2.017	----	----	20 UNCH	
TOTAL 0B FUT												50	
0D FUT	MINI EU 3.5%FO CARGO FOB NWE BALMO F												
NOV17	----	----	----	----	----	----	----	----	345.534 - 1.026	----	10	1216 UNCH	
DEC17	----	----	----	----	----	----	----	----	338.958 - 2.329	----	10	802 + 10	
JAN18	----	----	----	----	----	----	----	----	337.973 - 2.603	----	10	232 + 5	
FEB18	----	----	----	----	----	----	----	----	337.303 - 2.643	----	10	240 + 5	
MAR18	----	----	----	----	----	----	----	----	336.633 - 2.665	----	10	229 + 5	
APR18	----	----	----	----	----	----	----	----	335.858 - 2.560	----	12	226 + 7	
MAY18	----	----	----	----	----	----	----	----	334.832 - 2.602	----	12	192 + 7	
JUN18	----	----	----	----	----	----	----	----	333.848 - 2.602	----	12	198 + 7	
JUL18	----	----	----	----	----	----	----	----	332.340 - 2.581	----	12	168 + 7	
AUG18	----	----	----	----	----	----	----	----	330.175 - 2.475	----	12	177 + 7	

		GLOBAL OPEN	GLOBAL HIGH/LOW	SETTL. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
0D FUT	MINI EU 3.5%FO BARGE FOB RDAM FUT							
SEP18				327.550 - 2.600			12	167 + 7
OCT18				324.800 - 2.600			12	180 + 7
NOV18				321.800 - 2.600			12	169 + 7
DEC18				318.300 - 2.600			22	176 + 17
JAN19				316.675 - 2.475				30 UNCH
FEB19				315.050 - 2.225				24 UNCH
MAR19				313.175 - 2.100				20 UNCH
APR19				310.800 - 2.100				20 UNCH
MAY19				307.425 - 2.100				20 UNCH
JUN19				303.425 - 2.100				20 UNCH
JUL19				298.425 - 2.100				20 UNCH
AUG19				291.675 - 1.975				20 UNCH
SEP19				283.425 - 1.600				20 UNCH
OCT19				273.300 - 1.475				20 UNCH
NOV19				262.300 - 1.725				20 UNCH
DEC19				250.425 - 1.850				20 UNCH
TOTAL 0D FUT							168	4626 + 98
MUD FUT	MINI EUR DIESEL10PPM VS ICE GS							
NOV17				0.602 - 0.113				52 UNCH
DEC17				-1.188 + 0.062			10	62 + 10
JAN18				-0.625 + 0.250				13 UNCH
FEB18				0.000 + 0.375				13 UNCH
MAR18				-0.250 UNCH				13 UNCH
APR18				0.000 UNCH				5 UNCH
MAY18				0.000 UNCH				5 UNCH
JUN18				0.000 UNCH				5 UNCH
JUL18				-0.334 + 0.041				5 UNCH
AUG18				-0.333 + 0.042				5 UNCH
SEP18				-0.334 + 0.041				5 UNCH
OCT18				0.250 + 0.250				13 UNCH
NOV18				0.250 + 0.250				13 UNCH
DEC18				0.250 + 0.250				13 UNCH
TOTAL MUD FUT							10	222 + 10
MEN FUT	MINI EURO NAPHTHA BALMO							
02NOV17				566.614 - 1.729				218 UNCH
03NOV17				566.882 - 1.816				27 UNCH
06NOV17				566.889 - 1.912				74 UNCH
07NOV17				566.064 - 2.017				40 UNCH
10NOV17				563.526 - 2.421				95 UNCH
14NOV17				560.761 - 2.794				42 UNCH
15NOV17				560.700 - 3.026				40 UNCH
16NOV17				560.377 NEW			45	45 + 45
TOTAL MEN FUT							45	581 + 45
MEO FUT	MINI GAS EUROBOB OXY BARGES							
NOV17				606.310 - 3.478				1831 UNCH
DEC17				574.773 - 6.578			50	1343 + 20
JAN18				574.634 - 5.649				194 UNCH
FEB18				577.711 - 4.835				36 UNCH
MAR18				581.003 - 4.870				52 UNCH
APR18				613.083 - 4.680				88 UNCH
MAY18				613.277 - 4.479				2 UNCH
JUN18				609.510 - 4.327				2 UNCH
TOTAL MEO FUT							50	3548 + 20
MEB FUT	MINI GAS EUROBOB OXY NWE ARGS BALMO							
02NOV17				606.278 - 3.642				20 UNCH
03NOV17				606.017 - 3.824				55 UNCH
06NOV17				605.307 - 4.026				35 UNCH
15NOV17				587.423 - 6.375				20 UNCH
TOTAL MEB FUT								130
MGB FUT	MINI GSOIL .1 PLTTS VS ICE GSOIL SW							
DEC17				-9.875 + 3.083				20 UNCH
TOTAL MGB FUT								20
E6M FUT	MINI JAPAN NAPHTHA BALMO FUT							
03NOV17				581.388 - 2.291				20 UNCH
TOTAL E6M FUT								20
MXB FUT	MINI RBOB V. EBOB(ARGUS) NWE BRGS							
NOV17				0.0209 - 0.0021				530 UNCH
DEC17				0.0688 - 0.0025			100	659 - 40
JAN18				0.0752 - 0.0031				30 UNCH
FEB18				0.0819 - 0.0047				80 UNCH
MAR18				0.2381 - 0.0027				164 UNCH
APR18				0.1465 - 0.0015				30 UNCH
MAY18				0.1313 - 0.0009				30 UNCH

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	MINI	RBOB V.	EBOB(ARGUS)	NWE	BRGS	SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
MXB FUT	MINI RBOB V. EBOB(ARGUS) NWE BRGS								
JUN18	----	----				0.1203 - 0.0001	----	----	30 UNCH
TOTAL MXB FUT								100	1553 - 40
MXR FUT	MINI RBOB V. EBOBARG NWE BRGS BALMO								
03NOV17	----	----				0.0216 - 0.0023	----	----	50 UNCH
13NOV17	----	----				0.0285 - 0.0037	----	----	40 UNCH
TOTAL MXR FUT									90
MTS FUT	MINI SINGAPORE 380CST FUEL OIL								
NOV17	----	----				363.493 - 1.052	----	----	1725 UNCH
DEC17	----	----				357.708 - 2.842	----	117	1692 - 34
JAN18	----	----				356.198 - 3.053	----	----	305 UNCH
FEB18	----	----				354.865 - 2.931	----	18	293 - 18
MAR18	----	----				353.496 - 2.890	----	----	204 UNCH
APR18	----	----				351.892 - 2.760	----	----	162 UNCH
MAY18	----	----				350.382 - 2.802	----	----	250 UNCH
JUN18	----	----				349.023 - 2.552	----	----	146 UNCH
JUL18	----	----				347.265 - 2.531	----	----	102 UNCH
AUG18	----	----				345.550 - 2.675	----	----	81 UNCH
SEP18	----	----				343.625 - 2.850	----	----	62 UNCH
OCT18	----	----				341.975 - 2.900	----	----	87 UNCH
NOV18	----	----				340.625 - 2.650	----	----	56 UNCH
DEC18	----	----				339.150 - 2.650	----	----	89 UNCH
JAN19	----	----				336.368 - 2.600	----	----	39 UNCH
FEB19	----	----				333.585 - 2.550	----	----	39 UNCH
MAR19	----	----				331.219 - 2.500	----	----	41 UNCH
APR19	----	----				328.853 - 2.450	----	----	116 UNCH
MAY19	----	----				326.488 - 2.399	----	----	116 UNCH
JUN19	----	----				323.171 - 2.342	----	----	116 UNCH
JUL19	----	----				319.855 - 2.283	----	18	129 + 18
AUG19	----	----				316.538 - 2.225	----	----	109 UNCH
SEP19	----	----				312.534 - 2.163	----	----	105 UNCH
OCT19	----	----				308.530 - 2.100	----	----	36 UNCH
NOV19	----	----				304.526 - 2.037	----	----	36 UNCH
DEC19	----	----				300.522 - 1.975	----	----	36 UNCH
JAN20	----	----				296.518 - 1.912	----	----	4 UNCH
APR20	----	----				284.505 - 1.725	----	----	5 UNCH
MAY20	----	----				280.501 - 1.662	----	----	5 UNCH
JUN20	----	----				276.497 - 1.600	----	----	5 UNCH
JUL20	----	----				277.875 - 1.545	----	----	5 UNCH
AUG20	----	----				279.253 - 1.490	----	----	5 UNCH
SEP20	----	----				280.631 - 1.435	----	----	5 UNCH
TOTAL MTS FUT								153	6206 - 34
OF FUT	MINI SINGAPORE FO 180 CST FUT								
NOV17	----	----				366.397 - 1.101	----	----	446 UNCH
DEC17	----	----				361.708 - 2.879	----	----	210 UNCH
JAN18	----	----				360.698 - 3.053	----	----	21 UNCH
FEB18	----	----				359.928 - 2.993	----	----	6 UNCH
MAR18	----	----				359.058 - 2.890	----	----	6 UNCH
APR18	----	----				357.808 - 2.760	----	----	6 UNCH
MAY18	----	----				356.382 - 2.802	----	----	6 UNCH
JUN18	----	----				355.148 - 2.552	----	----	6 UNCH
JUL18	----	----				353.640 - 2.531	----	----	6 UNCH
AUG18	----	----				351.925 - 2.675	----	----	6 UNCH
SEP18	----	----				350.000 - 2.850	----	----	6 UNCH
OCT18	----	----				348.600 - 2.900	----	----	6 UNCH
NOV18	----	----				347.250 - 2.650	----	----	6 UNCH
DEC18	----	----				345.650 - 2.650	----	----	6 UNCH
TOTAL OF FUT									743
MSG FUT	MINI SINGAPORE GASOIL PLATS FUT								
NOV17	----	----				72.482 + 0.009	----	----	368 UNCH
DEC17	----	----				72.647 - 0.024	----	----	114 UNCH
JAN18	----	----				72.561 NEW	----	10	10 + 10
TOTAL MSG FUT								10	492 + 10
IN FUT	MOGAS92 UNLEADED (PLATTS)								
NOV17	----	----				72.133 - 0.235	----	----	2299 UNCH
DEC17	----	----				70.200 - 0.597	----	----	4010 UNCH
JAN18	----	----				69.884 - 0.585	----	----	1200 UNCH
FEB18	----	----				69.923 - 0.491	----	----	350 UNCH
MAR18	----	----				69.963 - 0.460	----	----	600 UNCH
APR18	----	----				69.963 - 0.457	----	----	685 UNCH
MAY18	----	----				69.721 - 0.431	----	----	900 UNCH
JUN18	----	----				69.369 - 0.410	----	----	1215 UNCH
JUL18	----	----				68.730 - 0.410	----	----	250 UNCH
OCT18	----	----				66.754 - 0.494	----	----	300 UNCH

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1N FUT	MOGAS92 UNLEADED (PLATTS)						
NOV18	----	----	66.234 - 0.380	----	----	150	UNCH
DEC18	----	----	65.853 - 0.428	----	----	75	UNCH
TOTAL 1N FUT						12034	
1P FUT	MOGAS92 UNLEADED (PLTS) BLM SW						
16NOV17	----	----	71.135 - 0.469	----	----	266	UNCH
TOTAL 1P FUT						266	
MBL FUT	MT BELVIEU LDH ISO-BUTANE(OPIS)						
NOV17	----	----	1.04250 - 0.00050	----	----	21	UNCH
DEC17	----	----	1.05000 - 0.00625	----	----	21	UNCH
JAN18	----	----	1.04875 - 0.00500	----	----	21	UNCH
FEB18	----	----	1.03375 - 0.00375	----	----	21	UNCH
MAR18	----	----	0.96375 - 0.00500	----	----	21	UNCH
TOTAL MBL FUT						105	
NOB FUT	NAPHTHA (PLATTS) NWE CRACK						
NOV17	----	----	1.618 + 0.067	----	----	458	UNCH
DEC17	----	----	1.048 - 0.028	----	15	302 + 5	
JAN18	----	----	0.462 - 0.061	----	5	257 + 5	
FEB18	----	----	-0.177 - 0.092	----	----	249	UNCH
MAR18	----	----	-0.835 - 0.114	----	----	249	UNCH
APR18	----	----	-1.355 - 0.119	----	----	98	UNCH
MAY18	----	----	-1.740 - 0.116	----	----	98	UNCH
JUN18	----	----	-1.959 - 0.113	----	----	98	UNCH
JUL18	----	----	-2.101 - 0.131	----	----	20	UNCH
AUG18	----	----	-2.183 - 0.150	----	----	20	UNCH
SEP18	----	----	-2.208 - 0.135	----	----	20	UNCH
OCT18	----	----	-2.241 - 0.126	----	----	28	UNCH
NOV18	----	----	-2.303 - 0.123	----	----	28	UNCH
DEC18	----	----	-2.395 - 0.130	----	----	28	UNCH
TOTAL NOB FUT					20	1953 + 10	
NYF FUT	NEW YORK FUEL OIL 1% V. EURO 1% FO						
JAN18	----	----	0.483 + 0.086	----	----	125	UNCH
FEB18	----	----	0.225 + 0.109	----	----	125	UNCH
MAR18	----	----	-0.024 + 0.136	----	----	125	UNCH
TOTAL NYF FUT						375	
88 FUT	NWE EUR FUEL OIL HGHLOW SULF BALMO						
03NOV17	----	----	4.275 - 0.787	----	----	10	UNCH
09NOV17	----	----	3.125 - 0.985	----	----	5	UNCH
TOTAL 88 FUT						15	
FOC FUT	NY 3% FUEL OIL V GULF COAST NO6 3%						
NOV17	----	----	0.651 + 0.013	----	----	140	UNCH
DEC17	----	----	0.625 UNCH	----	----	290	UNCH
JAN18	----	----	0.700 UNCH	----	----	150	UNCH
FEB18	----	----	0.562 + 0.028	----	----	150	UNCH
MAR18	----	----	0.546 + 0.012	----	----	150	UNCH
TOTAL FOC FUT						880	
JET FUT	NY BUCKEYE JET FUEL VS NY HARB ULSD						
NOV17	----	----	-0.0861 + 0.0059	----	----	710	UNCH
DEC17	----	----	-0.1019 + 0.0033	----	200	650 + 44	
TOTAL JET FUT					200	1360 + 44	
NLS FUT	NY HARBOR LOW SULPUR GAS 1000MBBL						
NOV17	----	----	0.1254 - 0.0028	----	----	210	UNCH
DEC17	----	----	0.1276 - 0.0054	----	----	210	UNCH
JAN18	----	----	0.1235 - 0.0052	----	----	15	UNCH
FEB18	----	----	0.1161 - 0.0051	----	----	15	UNCH
MAR18	----	----	0.1060 - 0.0042	----	----	15	UNCH
APR18	----	----	0.1008 - 0.0044	----	----	15	UNCH
MAY18	----	----	0.0987 - 0.0058	----	----	15	UNCH
JUN18	----	----	0.0989 - 0.0069	----	----	15	UNCH
JUL18	----	----	0.0986 - 0.0072	----	----	15	UNCH
AUG18	----	----	0.1008 - 0.0070	----	----	15	UNCH
SEP18	----	----	0.1038 - 0.0068	----	----	15	UNCH
OCT18	----	----	0.1095 - 0.0065	----	----	15	UNCH
NOV18	----	----	0.1163 - 0.0066	----	----	15	UNCH
DEC18	----	----	0.1208 - 0.0068	----	----	15	UNCH
TOTAL NLS FUT						600	
MM FUT	NY HARBOR RESIDUAL FUEL 1.0% S						
NOV17	----	----	56.23 - 0.13	----	----	558	UNCH
DEC17	----	----	54.88 - 0.29	----	----	797	UNCH
JAN18	----	----	54.58 - 0.34	----	25	798 - 25	
FEB18	----	----	54.37 - 0.36	----	----	412	UNCH
MAR18	----	----	54.15 - 0.38	----	25	355 + 25	
APR18	----	----	53.95 - 0.38	----	----	50	UNCH
MAY18	----	----	53.77 - 0.38	----	----	50	UNCH

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MM FUT	NY HARBOR RESIDUAL FUEL 1.0% S							
JUN18	----	----	53.57 - 0.40		----	----	50	UNCH
TOTAL MM FUT						50	3070	
7Y FUT	NY ULSD(ARGUS) VS HO SPREAD							
NOV17	----	----	-0.0049 UNCH		----	----	72	UNCH
DEC17	----	----	-0.0023 + 0.0003		----	----	282	UNCH
JAN18	----	----	0.0015 + 0.0005		----	----	35	UNCH
FEB18	----	----	0.0015 + 0.0005		----	----	34	UNCH
MAR18	----	----	0.0015 + 0.0005		----	----	39	UNCH
APR18	----	----	0.0015 + 0.0005		----	----	41	UNCH
MAY18	----	----	0.0013 + 0.0005		----	----	39	UNCH
JUN18	----	----	0.0003 + 0.0005		----	----	35	UNCH
JUL18	----	----	0.0013 + 0.0005		----	----	23	UNCH
AUG18	----	----	0.0013 + 0.0005		----	----	24	UNCH
SEP18	----	----	0.0013 + 0.0005		----	----	22	UNCH
OCT18	----	----	0.0013 + 0.0005		----	----	16	UNCH
NOV18	----	----	0.0013 + 0.0005		----	----	8	UNCH
DEC18	----	----	0.0013 + 0.0005		----	----	6	UNCH
JAN19	----	----	0.0014 + 0.0005		----	----	1	UNCH
FEB19	----	----	0.0014 + 0.0005		----	----	1	UNCH
APR19	----	----	0.0014 + 0.0005		----	----	1	UNCH
MAY19	----	----	0.0014 + 0.0005		----	----	1	UNCH
TOTAL 7Y FUT							680	
VR FUT	NY1% VS GC SPREAD							
NOV17	----	----	1.292 + 0.059		----	----	820	UNCH
DEC17	----	----	1.583 + 0.116		----	175	978 + 175	
JAN18	----	----	1.633 + 0.066		----	----	305	UNCH
FEB18	----	----	1.600 + 0.034		----	----	305	UNCH
MAR18	----	----	1.567 + 0.001		----	----	380	UNCH
APR18	----	----	1.567 + 0.001		----	----	125	UNCH
MAY18	----	----	1.567 + 0.017		----	----	125	UNCH
JUN18	----	----	1.567 + 0.017		----	----	125	UNCH
JUL18	----	----	1.567 + 0.017		----	----	130	UNCH
AUG18	----	----	1.600 UNCH		----	----	130	UNCH
SEP18	----	----	1.625 UNCH		----	----	130	UNCH
OCT18	----	----	1.658 + 0.024		----	----	55	UNCH
NOV18	----	----	1.783 - 0.001		----	----	55	UNCH
DEC18	----	----	1.908 - 0.026		----	----	230	UNCH
TOTAL VR FUT						175	3893 + 175	
HK FUT	NYH NO 2 CRACK SPREAD CAL							
NOV17	----	----	24.35 - 0.04		----	----	1795	UNCH
DEC17	----	----	24.62 - 0.11		----	----	1198	UNCH
JAN18	----	----	24.43 - 0.11		----	----	235	UNCH
FEB18	----	----	23.91 - 0.12		----	----	235	UNCH
MAR18	----	----	23.15 - 0.13		----	----	235	UNCH
APR18	----	----	22.69 - 0.16		----	----	385	UNCH
MAY18	----	----	22.43 - 0.20		----	----	385	UNCH
JUN18	----	----	22.52 - 0.21		----	----	385	UNCH
JUL18	----	----	22.67 - 0.21		----	----	345	UNCH
AUG18	----	----	22.94 - 0.18		----	----	345	UNCH
SEP18	----	----	23.28 - 0.18		----	----	345	UNCH
OCT18	----	----	23.64 - 0.16		----	----	227	UNCH
NOV18	----	----	23.99 - 0.16		----	----	227	UNCH
DEC18	----	----	24.31 - 0.17		----	----	227	UNCH
JAN19	----	----	24.39 - 0.17		----	----	12	UNCH
FEB19	----	----	24.18 - 0.16		----	----	12	UNCH
MAR19	----	----	23.70 - 0.16		----	----	12	UNCH
APR19	----	----	23.54 - 0.16		----	----	12	UNCH
MAY19	----	----	23.57 - 0.14		----	----	12	UNCH
JUN19	----	----	23.76 - 0.13		----	----	12	UNCH
JUL19	----	----	24.01 - 0.13		----	----	12	UNCH
AUG19	----	----	24.36 - 0.13		----	----	12	UNCH
SEP19	----	----	24.68 - 0.11		----	----	12	UNCH
OCT19	----	----	25.06 - 0.10		----	----	12	UNCH
NOV19	----	----	25.43 - 0.10		----	----	12	UNCH
DEC19	----	----	25.77 - 0.12		----	----	12	UNCH
TOTAL HK FUT							6713	
BH FUT	NYMEX HEATING OIL FUTURES							
DEC17	----	----	1.9021 - 0.0066		----	----	69	UNCH
JAN18	----	----	1.9053 - 0.0067		----	----	19	UNCH
FEB18	----	----	1.9037 - 0.0068		----	----	19	UNCH
MAR18	----	----	1.8939 - 0.0072		----	----	19	UNCH
APR18	----	----	1.8768 - 0.0077		----	----	19	UNCH
MAY18	----	----	1.8650 - 0.0084		----	----	19	UNCH

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BH FUT NYMEX HEATING OIL FUTURES							
JUN18	----	----	1.8560 - 0.0092	----	----	19	UNCH
JUL18	----	----	1.8527 - 0.0095	----	----	19	UNCH
AUG18	----	----	1.8500 - 0.0096	----	----	19	UNCH
SEP18	----	----	1.8497 - 0.0094	----	----	19	UNCH
OCT18	----	----	1.8514 - 0.0092	----	----	19	UNCH
NOV18	----	----	1.8537 - 0.0089	----	----	19	UNCH
DEC18	----	----	1.8551 - 0.0090	----	----	19	UNCH
JAN19	----	----	1.8562 - 0.0092	----	----	5	UNCH
FEB19	----	----	1.8518 - 0.0094	----	----	5	UNCH
MAR19	----	----	1.8410 - 0.0095	----	----	5	UNCH
APR19	----	----	1.8241 - 0.0095	----	----	5	UNCH
MAY19	----	----	1.8155 - 0.0097	----	----	5	UNCH
JUN19	----	----	1.8111 - 0.0096	----	----	5	UNCH
JUL19	----	----	1.8112 - 0.0096	----	----	5	UNCH
AUG19	----	----	1.8132 - 0.0096	----	----	5	UNCH
SEP19	----	----	1.8182 - 0.0096	----	----	5	UNCH
OCT19	----	----	1.8232 - 0.0096	----	----	5	UNCH
NOV19	----	----	1.8297 - 0.0096	----	----	5	UNCH
DEC19	----	----	1.8362 - 0.0096	----	----	5	UNCH
TOTAL BH FUT						357	
MP FUT NYMEX NY HARBOR HEAT OIL CLNDR							
NOV17	----	----	1.9066 - 0.0032	----	----	1350	UNCH
DEC17	----	----	1.9053 - 0.0067	----	----	1142	UNCH
JAN18	----	----	1.9037 - 0.0068	----	----	346	UNCH
FEB18	----	----	1.8939 - 0.0072	----	----	345	UNCH
MAR18	----	----	1.8768 - 0.0077	----	----	324	UNCH
APR18	----	----	1.8650 - 0.0084	----	----	283	UNCH
MAY18	----	----	1.8560 - 0.0092	----	----	275	UNCH
JUN18	----	----	1.8527 - 0.0095	----	----	275	UNCH
JUL18	----	----	1.8500 - 0.0096	----	----	227	UNCH
AUG18	----	----	1.8497 - 0.0094	----	----	222	UNCH
SEP18	----	----	1.8514 - 0.0092	----	----	224	UNCH
OCT18	----	----	1.8537 - 0.0089	----	----	167	UNCH
NOV18	----	----	1.8551 - 0.0090	----	----	167	UNCH
DEC18	----	----	1.8562 - 0.0092	----	----	169	UNCH
JAN19	----	----	1.8518 - 0.0094	----	----	44	UNCH
FEB19	----	----	1.8410 - 0.0095	----	----	44	UNCH
MAR19	----	----	1.8241 - 0.0095	----	----	44	UNCH
APR19	----	----	1.8155 - 0.0097	----	----	44	UNCH
MAY19	----	----	1.8111 - 0.0096	----	----	44	UNCH
JUN19	----	----	1.8112 - 0.0096	----	----	44	UNCH
JUL19	----	----	1.8132 - 0.0096	----	----	44	UNCH
AUG19	----	----	1.8182 - 0.0096	----	----	44	UNCH
SEP19	----	----	1.8232 - 0.0096	----	----	44	UNCH
OCT19	----	----	1.8297 - 0.0096	----	----	44	UNCH
NOV19	----	----	1.8362 - 0.0096	----	----	44	UNCH
DEC19	----	----	1.8410 - 0.0096	----	----	44	UNCH
JAN20	----	----	1.8428 - 0.0096	----	----	116	UNCH
FEB20	----	----	1.8391 - 0.0096	----	----	116	UNCH
MAR20	----	----	1.8294 - 0.0096	----	----	116	UNCH
APR20	----	----	1.8237 - 0.0096	----	----	116	UNCH
MAY20	----	----	1.8216 - 0.0096	----	----	116	UNCH
JUN20	----	----	1.8239 - 0.0096	----	----	116	UNCH
JUL20	----	----	1.8267 - 0.0096	----	----	116	UNCH
AUG20	----	----	1.8295 - 0.0096	----	----	116	UNCH
SEP20	----	----	1.8313 - 0.0096	----	----	116	UNCH
OCT20	----	----	1.8321 - 0.0096	----	----	116	UNCH
NOV20	----	----	1.8339 - 0.0096	----	----	116	UNCH
DEC20	----	----	1.8399 - 0.0096	----	----	116	UNCH
TOTAL MP FUT						7436	
RT FUT NYMEX RBOB GASOLINE FUTURES							
DEC17	----	----	1.7137 - 0.0251	----	----	1298	UNCH
JAN18	----	----	1.7117 - 0.0213	----	----	7	UNCH
FEB18	----	----	1.7177 - 0.0192	----	----	7	UNCH
MAR18	----	----	1.7332 - 0.0185	----	----	7	UNCH
APR18	----	----	1.8988 - 0.0166	----	----	7	UNCH
MAY18	----	----	1.8989 - 0.0148	----	----	156	UNCH
JUN18	----	----	1.8842 - 0.0137	----	----	507	UNCH
JUL18	----	----	1.8625 - 0.0124	----	----	156	UNCH
AUG18	----	----	1.8360 - 0.0116	----	----	7	UNCH
SEP18	----	----	1.8044 - 0.0110	----	----	7	UNCH
OCT18	----	----	1.6769 - 0.0120	----	----	7	UNCH
NOV18	----	----	1.6420 - 0.0121	----	----	7	UNCH
DEC18	----	----	1.6175 - 0.0124	----	----	7	UNCH

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		LOBEX OPEN	LOBEX HIGH/LOW	SETT. PRICE & PT. CHGE	LOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST			
RT FUT		NYMEX RBOB GASOLINE FUTURES								
TOTAL	RT FUT								2180	
SF3 FUT		NYM-SINGAPORE FUEL OIL 380CST CRK S								
JAN18		----	----	-5.029 - 0.041	----	----	3	UNCH		
FEB18		----	----	-5.090 - 0.033	----	----	3	UNCH		
MAR18		----	----	-5.174 - 0.035	----	----	3	UNCH		
TOTAL	SF3 FUT								9	
3G FUT		PREMIUM UNLD 10P FOB MED								
NOV17		----	----	591.526 - 4.091	----	----	25	UNCH		
DEC17		----	----	580.773 - 7.203	----	----	30	UNCH		
JAN18		----	----	583.009 - 5.274	----	----	30	UNCH		
FEB18		----	----	586.211 - 4.335	----	----	10	UNCH		
MAR18		----	----	589.628 - 4.620	----	----	10	UNCH		
APR18		----	----	604.583 - 4.930	----	----	10	UNCH		
MAY18		----	----	605.027 - 4.479	----	----	10	UNCH		
JUN18		----	----	601.260 - 4.327	----	----	10	UNCH		
JUL18		----	----	594.562 - 4.343	----	----	10	UNCH		
AUG18		----	----	586.653 - 4.607	----	----	10	UNCH		
SEP18		----	----	577.762 - 4.516	----	----	10	UNCH		
OCT18		----	----	565.094 - 4.180	----	----	10	UNCH		
NOV18		----	----	555.181 - 3.789	----	----	10	UNCH		
DEC18		----	----	550.376 - 4.067	----	----	10	UNCH		
TOTAL	3G FUT								195	
8G FUT		PREMIUM UNLEAD 10PPM FOB BLMO								
08NOV17		----	----	588.843 - 5.294	----	----	10	UNCH		
TOTAL	8G FUT								10	
RL FUT		RBOB CALENDAR FUTURE								
NOV17		----	----	1.7539 - 0.0120	----	----	3533	UNCH		
DEC17		----	----	1.7117 - 0.0213	----	654	3239 +	579		
JAN18		----	----	1.7177 - 0.0192	----	75	1411 +	75		
FEB18		----	----	1.7332 - 0.0185	----	45	1249 +	45		
MAR18		----	----	1.8988 - 0.0166	----	----	1239	UNCH		
APR18		----	----	1.8989 - 0.0148	----	----	634	UNCH		
MAY18		----	----	1.8842 - 0.0137	----	----	584	UNCH		
JUN18		----	----	1.8625 - 0.0124	----	----	536	UNCH		
JUL18		----	----	1.8360 - 0.0116	----	----	98	UNCH		
AUG18		----	----	1.8044 - 0.0110	----	----	99	UNCH		
SEP18		----	----	1.6769 - 0.0120	----	----	123	UNCH		
OCT18		----	----	1.6420 - 0.0121	----	----	381	UNCH		
NOV18		----	----	1.6175 - 0.0124	----	----	316	UNCH		
DEC18		----	----	1.6089 - 0.0126	----	----	320	UNCH		
JAN19		----	----	1.6138 - 0.0119	----	----	100	UNCH		
FEB19		----	----	1.6303 - 0.0106	----	----	100	UNCH		
TOTAL	RL FUT								774	13962 + 699
RM FUT		RBOB CRACK SPREAD								
NOV17		----	----	17.93 - 0.42	----	----	1693	UNCH		
DEC17		----	----	16.49 - 0.73	----	----	460	UNCH		
JAN18		----	----	16.61 - 0.64	----	----	430	UNCH		
FEB18		----	----	17.16 - 0.59	----	----	410	UNCH		
MAR18		----	----	24.07 - 0.51	----	----	430	UNCH		
APR18		----	----	24.11 - 0.44	----	----	375	UNCH		
MAY18		----	----	23.62 - 0.38	----	----	375	UNCH		
JUN18		----	----	22.94 - 0.33	----	----	375	UNCH		
JUL18		----	----	22.08 - 0.30	----	----	315	UNCH		
AUG18		----	----	21.03 - 0.26	----	----	315	UNCH		
SEP18		----	----	15.95 - 0.29	----	----	315	UNCH		
OCT18		----	----	14.74 - 0.30	----	----	235	UNCH		
NOV18		----	----	14.02 - 0.30	----	----	235	UNCH		
DEC18		----	----	13.92 - 0.31	----	----	235	UNCH		
TOTAL	RM FUT								6198	
EXR FUT		RBOB GAS VS EUROBOB(ARGUS) NWE BRGS								
NOV17		----	----	0.0209 - 0.0021	----	----	431	UNCH		
DEC17		----	----	0.0688 - 0.0025	----	41	521 -	41		
JAN18		----	----	0.0752 - 0.0031	----	10	250	UNCH		
FEB18		----	----	0.0819 - 0.0047	----	35	332 -	5		
MAR18		----	----	0.2381 - 0.0027	----	10	310 -	5		
APR18		----	----	0.1465 - 0.0015	----	5	443	UNCH		
MAY18		----	----	0.1313 - 0.0009	----	5	443	UNCH		
JUN18		----	----	0.1203 - 0.0001	----	5	443	UNCH		
TOTAL	EXR FUT								111	3173 - 51
RBB FUT		RBOB GAS VS. BRENT CRCK SPRD								
NOV17		----	----	11.654 - 0.251	----	----	2272	UNCH		
DEC17		----	----	10.617 - 0.428	----	75	2749 -	75		
JAN18		----	----	11.020 - 0.367	----	----	2215	UNCH		

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RBB FUT	RBOB GAS VS. BRENT CRCK SPRD					
FEB18	----	----	11.820 - 0.348	----	----	1977 UNCH
MAR18	----	----	18.907 - 0.277	----	----	2152 UNCH
APR18	----	----	19.061 - 0.202	----	100	1224 + 100
MAY18	----	----	18.594 - 0.176	----	100	1224 + 100
JUN18	----	----	17.876 - 0.120	----	100	1359 + 100
JUL18	----	----	16.993 - 0.077	----	----	396 UNCH
AUG18	----	----	15.917 - 0.052	----	----	396 UNCH
SEP18	----	----	10.833 - 0.094	----	----	396 UNCH
OCT18	----	----	9.634 - 0.088	----	----	420 UNCH
NOV18	----	----	8.834 - 0.111	----	----	420 UNCH
DEC18	----	----	8.673 - 0.128	----	----	520 UNCH
TOTAL RBB FUT					375	17720 + 225
1D FUT	RBOB GASOLINE BALMO CLNDR					
02NOV17	----	----	1.7546 - 0.0125	----	----	283 UNCH
03NOV17	----	----	1.7538 - 0.0132	----	----	300 UNCH
30NOV17	----	----	1.7137 - 0.0251	----	----	69 UNCH
TOTAL 1D FUT						652
RI FUT	RBOB SPREAD (PLATTS)					
NOV17	----	----	0.0256 + 0.0006	----	----	2 UNCH
DEC17	----	----	0.0000 UNCH	----	----	2 UNCH
TOTAL RI FUT						4
RH FUT	RBOB VS HEATING OIL					
NOV17	----	----	-0.1527 - 0.0088	----	----	189 UNCH
DEC17	----	----	-0.1936 - 0.0146	----	----	189 UNCH
JAN18	----	----	-0.1860 - 0.0124	----	----	95 UNCH
FEB18	----	----	-0.1607 - 0.0113	----	----	95 UNCH
MAR18	----	----	0.0220 - 0.0089	----	----	600 UNCH
APR18	----	----	0.0339 - 0.0064	----	----	325 UNCH
MAY18	----	----	0.0282 - 0.0045	----	----	180 UNCH
JUN18	----	----	0.0098 - 0.0029	----	----	180 UNCH
JUL18	----	----	-0.0140 - 0.0020	----	----	150 UNCH
AUG18	----	----	-0.0453 - 0.0016	----	----	150 UNCH
SEP18	----	----	-0.1745 - 0.0028	----	----	150 UNCH
OCT18	----	----	-0.2117 - 0.0032	----	----	50 UNCH
NOV18	----	----	-0.2376 - 0.0034	----	----	50 UNCH
DEC18	----	----	-0.2473 - 0.0034	----	----	50 UNCH
TOTAL RH FUT						2453
MSD FUT	SG VISCOSITY SPREAD BALMO					
02NOV17	----	----	2.854 - 0.050	----	----	50 UNCH
TOTAL MSD FUT						50
EVC FUT	SING 380 FUEL OIL VS FUEL OIL ROTDM					
NOV17	----	----	17.96 - 0.03	----	----	596 UNCH
DEC17	----	----	18.75 - 0.51	----	10	688 UNCH
JAN18	----	----	18.23 - 0.45	----	35	855 UNCH
FEB18	----	----	17.56 - 0.29	----	25	677 + 25
MAR18	----	----	16.86 - 0.23	----	25	707 + 25
APR18	----	----	16.03 - 0.20	----	15	176 - 7
MAY18	----	----	15.55 - 0.20	----	15	176 - 7
JUN18	----	----	15.18 + 0.05	----	15	176 - 7
JUL18	----	----	14.93 + 0.05	----	----	150 UNCH
AUG18	----	----	15.38 - 0.20	----	----	150 UNCH
SEP18	----	----	16.08 - 0.25	----	----	150 UNCH
OCT18	----	----	17.18 - 0.30	----	----	258 UNCH
NOV18	----	----	18.83 - 0.05	----	----	258 UNCH
DEC18	----	----	20.85 - 0.05	----	----	258 UNCH
JAN19	----	----	19.69 - 0.13	----	----	210 UNCH
FEB19	----	----	18.54 - 0.32	----	----	210 UNCH
MAR19	----	----	18.04 - 0.40	----	----	213 UNCH
APR19	----	----	18.05 - 0.35	----	----	8 UNCH
MAY19	----	----	19.06 - 0.30	----	----	8 UNCH
JUN19	----	----	19.75 - 0.24	----	----	8 UNCH
JUL19	----	----	21.43 - 0.18	----	----	8 UNCH
AUG19	----	----	24.86 - 0.25	----	----	8 UNCH
SEP19	----	----	29.11 - 0.56	----	----	8 UNCH
OCT19	----	----	35.23 - 0.63	----	----	5 UNCH
NOV19	----	----	42.23 - 0.31	----	----	5 UNCH
DEC19	----	----	50.10 - 0.12	----	----	5 UNCH
JAN20	----	----	55.84 - 0.69	----	----	12 UNCH
FEB20	----	----	48.21 - 0.50	----	----	12 UNCH
MAR20	----	----	40.71 - 0.31	----	----	12 UNCH
APR20	----	----	33.33 - 0.38	----	----	12 UNCH
MAY20	----	----	26.95 - 0.31	----	----	12 UNCH
JUN20	----	----	20.57 - 0.25	----	----	12 UNCH



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EVC FUT	SING 380 FUEL OIL VS FUEL OIL ROTDM						
JUL20	----	----	19.70 - 0.20	----	----	12	UNCH
AUG20	----	----	18.83 - 0.14	----	----	12	UNCH
SEP20	----	----	18.46 - 0.08	----	----	12	UNCH
OCT20	----	----	18.46 - 0.03	----	----	12	UNCH
NOV20	----	----	18.59 + 0.03	----	----	12	UNCH
DEC20	----	----	18.72 + 0.08	----	----	12	UNCH
TOTAL EVC FUT					140	6115 + 29	
BS FUT	SINGAPORE 180CST BALMO						
02NOV17	----	----	366.397 - 1.153	----	----	5	UNCH
03NOV17	----	----	366.770 - 1.212	----	----	15	UNCH
06NOV17	----	----	367.056 - 1.275	----	----	10	UNCH
07NOV17	----	----	366.777 - 1.346	----	----	10	UNCH
09NOV17	----	----	365.494 - 1.514	----	----	50	UNCH
01DEC17	----	----	361.708 - 2.879	----	----	10	UNCH
TOTAL BS FUT						100	
BT FUT	SINGAPORE 380CST BALMO						
02NOV17	----	----	363.543 - 1.103	----	----	10	UNCH
03NOV17	----	----	363.900 - 1.157	----	----	210	UNCH
06NOV17	----	----	364.151 - 1.218	----	----	10	UNCH
07NOV17	----	----	363.828 - 1.286	----	----	30	UNCH
10NOV17	----	----	361.934 - 1.544	----	----	75	UNCH
14NOV17	----	----	360.183 - 1.781	----	----	5	UNCH
16NOV17	----	----	359.418 - 2.105	----	----	13	UNCH
TOTAL BT FUT						353	
SE FUT	SINGAPORE 380CST FUEL OIL						
NOV17	----	----	363.49 - 1.05	----	----	2324	UNCH
DEC17	----	----	357.71 - 2.84	----	66	2139 - 4	
JAN18	----	----	356.20 - 3.05	----	195	1261 + 20	
FEB18	----	----	354.87 - 2.93	----	165	1067 + 120	
MAR18	----	----	353.50 - 2.89	----	10	625 + 10	
APR18	----	----	351.89 - 2.76	----	10	481 + 10	
MAY18	----	----	350.38 - 2.80	----	10	344 + 10	
JUN18	----	----	349.02 - 2.55	----	10	344 + 10	
JUL18	----	----	347.27 - 2.53	----	----	201	UNCH
AUG18	----	----	345.55 - 2.68	----	----	186	UNCH
SEP18	----	----	343.63 - 2.85	----	----	185	UNCH
OCT18	----	----	341.98 - 2.90	----	1	87 + 1	
NOV18	----	----	340.63 - 2.65	----	1	56 + 1	
DEC18	----	----	339.15 - 2.65	----	1	87	UNCH
JAN19	----	----	336.37 - 2.60	----	----	1	UNCH
FEB19	----	----	333.59 - 2.55	----	----	1	UNCH
MAR19	----	----	331.22 - 2.50	----	----	1	UNCH
APR19	----	----	328.85 - 2.45	----	1	29	UNCH
MAY19	----	----	326.49 - 2.40	----	1	29	UNCH
JUN19	----	----	323.17 - 2.34	----	1	29	UNCH
JUL19	----	----	319.86 - 2.28	----	----	30	UNCH
AUG19	----	----	316.54 - 2.23	----	----	30	UNCH
SEP19	----	----	312.53 - 2.16	----	----	30	UNCH
OCT19	----	----	308.53 - 2.10	----	----	7	UNCH
NOV19	----	----	304.53 - 2.04	----	----	7	UNCH
DEC19	----	----	300.52 - 1.98	----	----	7	UNCH
JAN20	----	----	296.52 - 1.91	----	----	25	UNCH
FEB20	----	----	292.51 - 1.85	----	----	3	UNCH
MAR20	----	----	288.51 - 1.79	----	----	3	UNCH
APR20	----	----	284.51 - 1.73	----	----	11	UNCH
MAY20	----	----	280.50 - 1.66	----	----	11	UNCH
JUN20	----	----	276.50 - 1.60	----	----	11	UNCH
JUL20	----	----	277.88 - 1.55	----	----	10	UNCH
AUG20	----	----	279.25 - 1.49	----	----	10	UNCH
SEP20	----	----	280.63 - 1.44	----	----	10	UNCH
OCT20	----	----	282.01 - 1.38	----	----	2	UNCH
NOV20	----	----	283.39 - 1.33	----	----	2	UNCH
DEC20	----	----	284.77 - 1.27	----	----	2	UNCH
TOTAL SE FUT					472	9688 + 178	
UA FUT	SINGAPORE FUEL 180CST CAL						
NOV17	----	----	366.40 - 1.10	----	----	468	UNCH
DEC17	----	----	361.71 - 2.88	----	5	456 + 5	
JAN18	----	----	360.70 - 3.05	----	10	62	UNCH
FEB18	----	----	359.93 - 2.99	----	----	9	UNCH
MAR18	----	----	359.06 - 2.89	----	----	30	UNCH
APR18	----	----	357.81 - 2.76	----	----	32	UNCH
MAY18	----	----	356.38 - 2.80	----	----	3	UNCH
JUN18	----	----	355.15 - 2.55	----	----	3	UNCH



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UA FUT	SINGAPORE FUEL 180CST CAL							
JUL18	----	----	353.64 - 2.53		----	----	1	UNCH
AUG18	----	----	351.93 - 2.68		----	----	1	UNCH
SEP18	----	----	350.00 - 2.85		----	----	1	UNCH
OCT18	----	----	348.60 - 2.90		----	----	1	UNCH
NOV18	----	----	347.25 - 2.65		----	----	1	UNCH
DEC18	----	----	345.65 - 2.65		----	----	1	UNCH
TOTAL UA FUT						15	1069 +	5
SD FUT	SINGAPORE FUEL OIL SPREAD							
NOV17	----	----	2.90 - 0.05		----	----	393	UNCH
DEC17	----	----	4.00 - 0.04		----	----	355	UNCH
JAN18	----	----	4.50 UNCH		----	----	42	UNCH
FEB18	----	----	5.06 - 0.06		----	----	27	UNCH
MAR18	----	----	5.56 UNCH		----	----	47	UNCH
APR18	----	----	5.92 UNCH		----	----	32	UNCH
MAY18	----	----	6.00 UNCH		----	----	32	UNCH
JUN18	----	----	6.13 UNCH		----	----	32	UNCH
JUL18	----	----	6.38 UNCH		----	----	14	UNCH
AUG18	----	----	6.38 UNCH		----	----	14	UNCH
SEP18	----	----	6.38 UNCH		----	----	14	UNCH
OCT18	----	----	6.63 UNCH		----	----	9	UNCH
NOV18	----	----	6.63 UNCH		----	----	9	UNCH
DEC18	----	----	6.50 UNCH		----	----	9	UNCH
TOTAL SD FUT							1029	
SG FUT	SINGAPORE GASOIL							
NOV17	----	----	72.48 + 0.01		----	----	3693	UNCH
DEC17	----	----	72.65 - 0.02		----	----	8211	UNCH
JAN18	----	----	72.56 - 0.12		----	----	100	UNCH
TOTAL SG FUT							12004	
GA FUT	SINGAPORE GASOIL VS ICE							
NOV17	----	----	-2.33 + 0.03		----	----	1990	UNCH
DEC17	----	----	-2.02 + 0.03		----	25	1856	UNCH
JAN18	----	----	-2.21 - 0.05		----	----	56	UNCH
FEB18	----	----	-2.10 - 0.01		----	----	56	UNCH
MAR18	----	----	-1.85 + 0.00		----	----	56	UNCH
TOTAL GA FUT						25	4014	
RK FUT	SINGAPORE JET KERO GASOIL							
NOV17	----	----	1.058 - 0.061		----	----	820	UNCH
DEC17	----	----	0.850 - 0.100		----	----	745	UNCH
TOTAL RK FUT							1565	
KS FUT	SINGAPORE JET KEROSENE							
NOV17	----	----	73.54 - 0.05		----	----	550	UNCH
DEC17	----	----	73.50 - 0.12		----	----	803	UNCH
JAN18	----	----	73.45 - 0.15		----	----	315	UNCH
FEB18	----	----	73.39 - 0.19		----	----	315	UNCH
APR18	----	----	72.96 - 0.22		----	----	50	UNCH
MAY18	----	----	72.67 - 0.21		----	----	50	UNCH
JUN18	----	----	72.52 - 0.17		----	----	50	UNCH
TOTAL KS FUT							2133	
V0 FUT	SINGAPORE MOGAS 95							
NOV17	----	----	74.778 - 0.249		----	----	25	UNCH
DEC17	----	----	72.750 - 0.647		----	----	25	UNCH
TOTAL V0 FUT							50	
STZ FUT	SINGAPORE GASOIL 10PPM V GSOLSPD FUT							
NOV17	----	----	1.009 - 0.006		----	----	50	UNCH
DEC17	----	----	0.960 - 0.030		----	----	50	UNCH
TOTAL STZ FUT							100	
STS FUT	SPORE FUEL OIL 180CST 6.35 DUBAI CK							
NOV17	----	----	-2.522 + 0.097		----	----	145	UNCH
DEC17	----	----	-2.211 + 0.154		----	----	145	UNCH
JAN18	----	----	-2.208 + 0.048		----	----	20	UNCH
FEB18	----	----	-2.248 + 0.018		----	----	20	UNCH
MAR18	----	----	-2.305 - 0.015		----	----	20	UNCH
APR18	----	----	-2.363 + 0.015		----	----	33	UNCH
MAY18	----	----	-2.448 - 0.041		----	----	33	UNCH
JUN18	----	----	-2.421 + 0.018		----	----	33	UNCH
JUL18	----	----	-2.410 + 0.031		----	----	33	UNCH
AUG18	----	----	-2.440 + 0.008		----	----	33	UNCH
SEP18	----	----	-2.501 - 0.028		----	----	33	UNCH
OCT18	----	----	-2.463 - 0.006		----	----	40	UNCH
NOV18	----	----	-2.426 + 0.013		----	----	40	UNCH
DEC18	----	----	-2.417 + 0.014		----	----	40	UNCH
TOTAL STS FUT							668	
1NB FUT	SPORE MOGAS92 UNLD BRENT SPRD							

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
1NB FUT	SPORE MOGAS92 UNLD BRENT SPRD					
NOV17	----	----	10.123 + 0.018	----	----	193 UNCH
DEC17	----	----	8.926 - 0.130	----	----	517 UNCH
JAN18	----	----	8.761 - 0.145	----	----	40 UNCH
FEB18	----	----	8.949 - 0.062	----	----	60 UNCH
MAR18	----	----	9.120 - 0.040	----	----	40 UNCH
APR18	----	----	9.270 - 0.038	----	----	240 UNCH
MAY18	----	----	9.179 - 0.031	----	----	240 UNCH
JUN18	----	----	9.020 - 0.009	----	----	240 UNCH
JUL18	----	----	8.611 UNCH	----	----	30 UNCH
AUG18	----	----	8.183 - 0.045	----	----	30 UNCH
SEP18	----	----	7.747 - 0.104	----	----	30 UNCH
OCT18	----	----	7.424 - 0.074	----	----	40 UNCH
NOV18	----	----	7.133 + 0.030	----	----	40 UNCH
DEC18	----	----	6.952 - 0.027	----	----	40 UNCH
TOTAL 1NB FUT						1780
1ND FUT	SPORE MOGAS92 UNLD DUBAI SPRD					
NOV17	----	----	11.911 + 0.036	----	----	175 UNCH
DEC17	----	----	11.027 + 0.010	----	----	175 UNCH
TOTAL 1ND FUT						350
Z7 FUT	ULSD 10PPM CIF MED VS ICE GAS					
NOV17	----	----	6.784 + 0.228	----	----	17 UNCH
DEC17	----	----	5.458 + 0.208	----	----	17 UNCH
TOTAL Z7 FUT						34
1L FUT	ULSD UP-DOWN BALMO					
02NOV17	----	----	-0.0723 + 0.0002	----	----	1596 UNCH
03NOV17	----	----	-0.0732 + 0.0002	----	----	650 UNCH
06NOV17	----	----	-0.0740 + 0.0002	----	----	425 UNCH
07NOV17	----	----	-0.0745 + 0.0002	----	----	400 UNCH
08NOV17	----	----	-0.0751 + 0.0002	----	----	825 UNCH
09NOV17	----	----	-0.0759 + 0.0003	----	----	1075 UNCH
10NOV17	----	----	-0.0764 + 0.0003	----	----	950 UNCH
14NOV17	----	----	-0.0771 + 0.0003	----	----	650 UNCH
15NOV17	----	----	-0.0772 + 0.0003	----	----	50 UNCH
16NOV17	----	----	-0.0775 NEW	----	50	50 + 50
TOTAL 1L FUT					50	6671 + 50
LT FUT	UP DOWN GC ULSD VS NMX HO SPRD					
NOV17	----	----	-0.0714 + 0.0002	----	----	9915 UNCH
DEC17	----	----	-0.0800 + 0.0025	----	1025	9980 + 475
JAN18	----	----	-0.0725 UNCH	----	----	6007 UNCH
FEB18	----	----	-0.0625 UNCH	----	----	6012 UNCH
MAR18	----	----	-0.0450 UNCH	----	----	5937 UNCH
APR18	----	----	-0.0425 UNCH	----	----	1092 UNCH
MAY18	----	----	-0.0425 UNCH	----	----	1093 UNCH
JUN18	----	----	-0.0425 UNCH	----	----	1090 UNCH
JUL18	----	----	-0.0400 UNCH	----	20	1195 + 10
AUG18	----	----	-0.0400 UNCH	----	20	1194 + 10
SEP18	----	----	-0.0400 UNCH	----	20	1062 + 10
OCT18	----	----	-0.0450 UNCH	----	10	1000 + 10
NOV18	----	----	-0.0550 UNCH	----	10	999 + 10
DEC18	----	----	-0.0750 UNCH	----	10	1000 + 10
JAN19	----	----	-0.0675 UNCH	----	----	55 UNCH
FEB19	----	----	-0.0550 UNCH	----	----	55 UNCH
MAR19	----	----	-0.0425 UNCH	----	----	55 UNCH
APR19	----	----	-0.0385 UNCH	----	----	54 UNCH
MAY19	----	----	-0.0385 UNCH	----	----	54 UNCH
JUN19	----	----	-0.0385 UNCH	----	----	54 UNCH
JUL19	----	----	-0.0365 UNCH	----	----	54 UNCH
AUG19	----	----	-0.0365 UNCH	----	----	54 UNCH
SEP19	----	----	-0.0365 UNCH	----	----	54 UNCH
OCT19	----	----	-0.0425 UNCH	----	----	54 UNCH
NOV19	----	----	-0.0525 UNCH	----	----	54 UNCH
DEC19	----	----	-0.0725 UNCH	----	----	54 UNCH
JAN20	----	----	-0.0725 UNCH	----	----	1 UNCH
FEB20	----	----	-0.0725 UNCH	----	----	1 UNCH
MAR20	----	----	-0.0725 UNCH	----	----	1 UNCH
APR20	----	----	-0.0725 UNCH	----	----	1 UNCH
MAY20	----	----	-0.0725 UNCH	----	----	1 UNCH
JUN20	----	----	-0.0725 UNCH	----	----	1 UNCH
JUL20	----	----	-0.0725 UNCH	----	----	1 UNCH
AUG20	----	----	-0.0725 UNCH	----	----	1 UNCH
SEP20	----	----	-0.0725 UNCH	----	----	1 UNCH
OCT20	----	----	-0.0725 UNCH	----	----	1 UNCH
NOV20	----	----	-0.0725 UNCH	----	----	1 UNCH



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	LT FUT	UP	DOWN	GC	ULSD	VS	NMX	HO	SPRD	SETT. PRICE & PT. CHGE	UNCH	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
DECEMBER										-0.0725				1
TOTAL	LT FUT												1115	48239 + 535

NGL/PETROCHEM FUTURES PRODUCTS

	91 FUT	ARGS	FAR	E	NDX	VS	EUR	CIF	ARA	SETT. PRICE & PT. CHGE	UNCH	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
NOV17										33.209 + 1.240				81
DEC17										37.510 + 1.685			5	149
JAN18										37.510 + 1.685				132
FEB18										37.510 + 1.685				121
MAR18										38.010 + 1.935				131
APR18										37.760 + 1.185				50
MAY18										37.260 + 1.185				50
JUN18										36.385 + 0.560				50
JUL18										35.135 + 0.060				42
AUG18										36.635 + 0.440				42
SEP18										36.135 - 1.940				42
OCT18										36.135 - 2.440				37
NOV18										36.135 - 2.440				37
DEC18										36.135 - 2.440				37
TOTAL	91 FUT												5	1001

	7E FUT	ARGUS	PROPAN	FAR	EST	INDEX	SETT. PRICE & PT. CHGE	UNCH	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
NOV17							588.940 + 0.114				643
DEC17							589.343 - 1.556			30	520 - 2
JAN18							587.283 - 1.610			18	474 + 10
FEB18							579.271 - 1.782			7	259 + 2
MAR18							542.752 - 1.314			9	288 + 8
APR18							506.866 - 2.434			15	207 + 2
MAY18							492.474 - 2.783			5	142 + 4
JUN18							485.680 - 3.389			1	167
JUL18							482.119 - 3.631				102
AUG18							483.655 - 4.302				43
SEP18							485.518 - 5.420				43
OCT18							489.351 - 5.673				35
NOV18							493.263 - 5.809				35
DEC18							497.415 - 5.791				48
TOTAL	7E FUT									85	3006 + 24

	9N FUT	ARGUS	PROPAN(SAUDI ARAMCO)	SETT. PRICE & PT. CHGE	UNCH	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
DEC17				580.343 - 1.389			34	307 - 2
JAN18				578.616 - 1.444			6	149
FEB18				570.938 - 2.282				34
MAR18				545.085 - 1.148				59
APR18				511.199 - 3.601				27
MAY18				488.224 - 3.283				22
JUN18				472.305 - 2.764				22
JUL18				463.744 - 3.006				8
AUG18				462.780 - 2.677				8
SEP18				464.643 - 2.795				8
OCT18				466.476 - 3.048				3
NOV18				470.388 - 3.184				3
DEC18				474.540 - 3.166				5
TOTAL	9N FUT						40	655 - 2

	22 FUT	ARGUS	PROPANE	FAR	E	INDX	BALMO	SETT. PRICE & PT. CHGE	UNCH	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
02NOV17								589.330 + 0.119				65
03NOV17								590.709 + 0.125				18
06NOV17								591.181 + 0.132				2
07NOV17								590.968 + 0.139				25
08NOV17								590.555 + 0.148				10
09NOV17								592.136 + 0.156				2
15NOV17								593.703 + 0.209				5
TOTAL	22 FUT											127

	8L FUT	CONWAY	NAT	GASOLINE	SETT. PRICE & PT. CHGE	UNCH	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
NOV17					1.27616 - 0.00250				157
DEC17					1.28750 - 0.00500				160
JAN18					1.29250 - 0.00500				188
FEB18					1.29125 - 0.00500				188
MAR18					1.28875 - 0.00500				188
APR18					1.28625 - 0.00500				43
MAY18					1.28375 - 0.00375				36
JUN18					1.28125 - 0.00625				36
JUL18					1.27875 - 0.00375				36

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	CONWAY NAT GASOLINE			SETT. PRICE & PT. CHGE		GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
8L FUT									
AUG18	----	----		1.27750 - 0.00500		----	----	36	UNCH
SEP18	----	----		1.27625 - 0.00625		----	----	36	UNCH
OCT18	----	----		1.27500 - 0.00250		----	----	36	UNCH
NOV18	----	----		1.27375 - 0.00375		----	----	36	UNCH
DEC18	----	----		1.27625 - 0.00125		----	----	36	UNCH
JAN19	----	----		1.20785 + 0.03545		----	----	2	UNCH
FEB19	----	----		1.20535 + 0.03295		----	----	2	UNCH
MAR19	----	----		1.20202 + 0.02962		----	----	2	UNCH
APR19	----	----		1.19785 + 0.02545		----	----	2	UNCH
MAY19	----	----		1.19577 + 0.02337		----	----	2	UNCH
JUN19	----	----		1.19368 + 0.02128		----	----	2	UNCH
JUL19	----	----		1.19202 + 0.01962		----	----	2	UNCH
AUG19	----	----		1.19035 + 0.01795		----	----	2	UNCH
SEP19	----	----		1.18952 + 0.01712		----	----	2	UNCH
OCT19	----	----		1.18868 + 0.01628		----	----	2	UNCH
NOV19	----	----		1.18785 + 0.01545		----	----	2	UNCH
DEC19	----	----		1.18702 + 0.01462		----	----	2	UNCH
TOTAL 8L FUT								1236	
8M FUT	CONWAY NORMAL BUTANE								
NOV17	----	----		1.00328 - 0.00075		----	----	1018	UNCH
DEC17	----	----		1.01250 - 0.00125		----	----	728	UNCH
JAN18	----	----		1.01750 - 0.00125		----	----	150	UNCH
FEB18	----	----		1.00500 - 0.00125		----	----	91	UNCH
MAR18	----	----		0.92500 - 0.00125		----	----	101	UNCH
APR18	----	----		0.87500 - 0.00125		----	----	46	UNCH
MAY18	----	----		0.84313 - 0.00125		----	----	40	UNCH
JUN18	----	----		0.84313 - 0.00125		----	----	40	UNCH
JUL18	----	----		0.84625 - 0.00125		----	----	40	UNCH
AUG18	----	----		0.84625 - 0.00125		----	----	40	UNCH
SEP18	----	----		0.84625 - 0.00125		----	----	40	UNCH
OCT18	----	----		0.85750 - 0.00125		----	----	40	UNCH
NOV18	----	----		0.85750 - 0.00125		----	----	40	UNCH
DEC18	----	----		0.85750 - 0.00125		----	----	40	UNCH
JAN19	----	----		0.86075 - 0.00125		----	----	20	UNCH
FEB19	----	----		0.86075 - 0.00125		----	----	20	UNCH
MAR19	----	----		0.86075 - 0.00125		----	----	20	UNCH
APR19	----	----		0.86075 - 0.00125		----	----	20	UNCH
MAY19	----	----		0.86075 - 0.00125		----	----	20	UNCH
JUN19	----	----		0.86075 - 0.00125		----	----	20	UNCH
JUL19	----	----		0.86075 - 0.00125		----	----	20	UNCH
AUG19	----	----		0.86075 - 0.00125		----	----	20	UNCH
SEP19	----	----		0.86075 - 0.00125		----	----	20	UNCH
OCT19	----	----		0.86075 - 0.00125		----	----	20	UNCH
NOV19	----	----		0.86075 - 0.00125		----	----	20	UNCH
DEC19	----	----		0.86075 - 0.00125		----	----	20	UNCH
TOTAL 8M FUT								2694	
CPB FUT	CONWAY PROPANE (OPIS) BALMO								
10NOV17	----	----		0.94529 + 0.00519		----	----	5	UNCH
TOTAL CPB FUT								5	
8K FUT	CONWAY PROPANE 5 DEC.								
NOV17	----	----		0.92847 + 0.00338		----	----	2488	UNCH
DEC17	----	----		0.95875 + 0.00875		----	70	2888 +	60
JAN18	----	----		0.95750 + 0.00812		----	40	2491	UNCH
FEB18	----	----		0.94188 + 0.00875		----	20	1715 -	10
MAR18	----	----		0.85125 + 0.00750		----	40	1839 +	20
APR18	----	----		0.77313 + 0.00750		----	10	521 +	2
MAY18	----	----		0.75125 + 0.00750		----	10	617 +	5
JUN18	----	----		0.74875 + 0.00625		----	10	670	UNCH
JUL18	----	----		0.74875 + 0.00750		----	----	479	UNCH
AUG18	----	----		0.75250 + 0.00687		----	----	479	UNCH
SEP18	----	----		0.75813 + 0.00563		----	----	479	UNCH
OCT18	----	----		0.76375 + 0.00375		----	----	379	UNCH
NOV18	----	----		0.76875 + 0.00375		----	----	379	UNCH
DEC18	----	----		0.77438 + 0.00438		----	----	433	UNCH
JAN19	----	----		0.77875 + 0.00375		----	----	148	UNCH
FEB19	----	----		0.76208 + 0.00375		----	----	148	UNCH
MAR19	----	----		0.71125 + 0.00375		----	----	146	UNCH
APR19	----	----		0.67667 + 0.00375		----	----	95	UNCH
MAY19	----	----		0.66458 + 0.00375		----	----	95	UNCH
JUN19	----	----		0.66208 + 0.00375		----	----	95	UNCH
JUL19	----	----		0.66917 + 0.00375		----	----	95	UNCH
AUG19	----	----		0.67750 + 0.00375		----	----	95	UNCH
SEP19	----	----		0.68625 + 0.00375		----	----	95	UNCH
OCT19	----	----		0.69625 + 0.00375		----	----	95	UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
8K FUT	CONWAY PROPANE 5 DEC.						
NOV19	----	----	0.70500 + 0.00375	----	----	95	UNCH
DEC19	----	----	0.71375 + 0.00375	----	----	95	UNCH
TOTAL 8K FUT					200	17154 +	77
32 FUT	EUR PROPANE CIF ARA ARGUS BALMO						
02NOV17	----	----	556.91 - 1.18	----	----	53	UNCH
03NOV17	----	----	558.25 - 1.24	----	----	10	UNCH
06NOV17	----	----	559.00 - 1.31	----	----	3	UNCH
07NOV17	----	----	558.92 - 1.38	----	----	5	UNCH
08NOV17	----	----	559.56 - 1.46	----	----	4	UNCH
10NOV17	----	----	560.24 - 1.65	----	----	2	UNCH
13NOV17	----	----	560.11 - 1.77	----	----	14	UNCH
14NOV17	----	----	559.39 - 1.91	----	----	2	UNCH
15NOV17	----	----	559.80 - 2.06	----	----	6	UNCH
16NOV17	----	----	559.69 NEW	----	6	6 +	6
TOTAL 32 FUT					6	105 +	6
PS FUT	EURO PROPANE CIF ARA						
NOV17	----	----	555.73 - 1.13	----	----	263	UNCH
DEC17	----	----	551.83 - 3.24	----	23	224 +	4
JAN18	----	----	549.77 - 3.30	----	9	160 +	3
FEB18	----	----	541.76 - 3.47	----	6	88 -	2
MAR18	----	----	504.74 - 3.25	----	----	102	UNCH
APR18	----	----	469.11 - 3.62	----	3	133 -	3
MAY18	----	----	455.21 - 3.97	----	3	105 +	1
JUN18	----	----	449.30 - 3.94	----	1	96 -	1
JUL18	----	----	446.98 - 3.70	----	----	33	UNCH
AUG18	----	----	447.02 - 3.86	----	----	33	UNCH
SEP18	----	----	449.38 - 3.48	----	----	33	UNCH
OCT18	----	----	453.22 - 3.23	----	----	30	UNCH
NOV18	----	----	457.13 - 3.37	----	----	30	UNCH
DEC18	----	----	461.28 - 3.35	----	----	30	UNCH
JAN19	----	----	461.65 - 4.83	----	----	1	UNCH
FEB19	----	----	446.72 - 4.96	----	----	1	UNCH
MAR19	----	----	422.91 - 5.00	----	----	1	UNCH
TOTAL PS FUT					45	1363 +	2
MPS FUT	MINI EURO PROPANE CIF ARA ARGUS FUT						
DEC17	----	----	551.83 - 3.24	----	----	40	UNCH
TOTAL MPS FUT						40	
8C FUT	MT BELVIEU ETHANE BALMO						
02NOV17	----	----	0.26415 - 0.00079	----	----	145	UNCH
09NOV17	----	----	0.26210 - 0.00107	----	----	35	UNCH
TOTAL 8C FUT						180	
80 FUT	MT BELVIEU LDH PROPANE BALMO						
02NOV17	----	----	0.98165 + 0.00356	----	----	228	UNCH
03NOV17	----	----	0.98347 + 0.00375	----	----	460	UNCH
07NOV17	----	----	0.98430 + 0.00422	----	----	125	UNCH
08NOV17	----	----	0.98567 + 0.00450	----	----	100	UNCH
10NOV17	----	----	0.99149 + 0.00519	----	----	5	UNCH
17NOV17	----	----	0.99688 NEW	----	100	100 +	100
TOTAL 80 FUT					100	1018 +	100
R0 FUT	MT BELVIEU NAT GASOLINE BALMO						
02NOV17	----	----	1.35405 - 0.00358	----	----	50	UNCH
06NOV17	----	----	1.35511 - 0.00401	----	----	150	UNCH
07NOV17	----	----	1.35344 - 0.00426	----	----	100	UNCH
08NOV17	----	----	1.35192 - 0.00454	----	----	50	UNCH
09NOV17	----	----	1.35054 - 0.00486	----	----	50	UNCH
15NOV17	----	----	1.34069 - 0.00681	----	----	20	UNCH
TOTAL R0 FUT						420	
8J FUT	MT BELVIEU NORMAL BUTANE BALM						
03NOV17	----	----	1.04458 - 0.00334	----	----	75	UNCH
06NOV17	----	----	1.04485 - 0.00353	----	----	41	UNCH
08NOV17	----	----	1.04667 - 0.00400	----	----	148	UNCH
09NOV17	----	----	1.05121 - 0.00428	----	----	45	UNCH
13NOV17	----	----	1.05188 - 0.00500	----	----	10	UNCH
14NOV17	----	----	1.05045 - 0.00546	----	----	65	UNCH
15NOV17	----	----	1.05025 - 0.00600	----	----	30	UNCH
16NOV17	----	----	1.05000 - 0.00625	----	----	60	UNCH
TOTAL 8J FUT						474	
C0 FUT	MT BELVIEU ETHANE 5-DCML (OPIS)						
NOV17	----	----	0.26410 - 0.00075	----	----	6530	UNCH
DEC17	----	----	0.26313 - 0.00062	----	----	5961	UNCH
JAN18	----	----	0.26813 - 0.00062	----	35	6834	UNCH
FEB18	----	----	0.28000 + 0.00062	----	----	3299	UNCH
MAR18	----	----	0.28063 + 0.00063	----	----	3482	UNCH



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	MT BELVIEU ETHANE 5-DCML (OPIS)	ETHANE 5-DCML (OPIS)	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
C0 FUT							
APR18	----	----	0.28063 + 0.00063	----	----	2242	UNCH
MAY18	----	----	0.28250 + 0.00062	----	----	2075	UNCH
JUN18	----	----	0.28438 + 0.00063	----	----	2429	UNCH
JUL18	----	----	0.28688 UNCH	----	----	1762	UNCH
AUG18	----	----	0.29000 UNCH	----	----	1762	UNCH
SEP18	----	----	0.29313 - 0.00062	----	----	1912	UNCH
OCT18	----	----	0.29688 - 0.00062	----	----	1834	UNCH
NOV18	----	----	0.30063 - 0.00062	----	----	2071	UNCH
DEC18	----	----	0.30500 - 0.00063	----	----	2024	UNCH
JAN19	----	----	0.31063 UNCH	----	----	1046	UNCH
FEB19	----	----	0.31125 + 0.00062	----	----	1046	UNCH
MAR19	----	----	0.30938 - 0.00062	----	----	1046	UNCH
APR19	----	----	0.30625 + 0.00062	----	----	1007	UNCH
MAY19	----	----	0.30688 UNCH	----	----	1007	UNCH
JUN19	----	----	0.31000 + 0.00125	----	----	1007	UNCH
JUL19	----	----	0.31313 + 0.00125	----	----	1134	UNCH
AUG19	----	----	0.31625 + 0.00062	----	----	1134	UNCH
SEP19	----	----	0.32000 UNCH	----	----	1134	UNCH
OCT19	----	----	0.32375 - 0.00063	----	----	926	UNCH
NOV19	----	----	0.32813 - 0.00062	----	----	926	UNCH
DEC19	----	----	0.33250 UNCH	----	----	926	UNCH
JAN20	----	----	0.33370 + 0.00063	----	----	525	UNCH
FEB20	----	----	0.33245 + 0.00063	----	----	525	UNCH
MAR20	----	----	0.33120 + 0.00063	----	----	525	UNCH
APR20	----	----	0.31870 + 0.00063	----	----	325	UNCH
MAY20	----	----	0.31870 + 0.00063	----	----	325	UNCH
JUN20	----	----	0.31870 + 0.00063	----	----	325	UNCH
JUL20	----	----	0.31995 + 0.00063	----	----	350	UNCH
AUG20	----	----	0.32245 + 0.00063	----	----	350	UNCH
SEP20	----	----	0.32495 + 0.00063	----	----	350	UNCH
OCT20	----	----	0.32745 + 0.00063	----	----	1310	UNCH
NOV20	----	----	0.32995 + 0.00063	----	----	1310	UNCH
DEC20	----	----	0.33245 + 0.00063	----	----	1310	UNCH
JAN21	----	----	0.33278 + 0.00063	----	----	25	UNCH
FEB21	----	----	0.33156 + 0.00063	----	----	25	UNCH
MAR21	----	----	0.32969 + 0.00063	----	----	25	UNCH
APR21	----	----	0.32002 + 0.00063	----	----	25	UNCH
MAY21	----	----	0.31996 + 0.00063	----	----	25	UNCH
JUN21	----	----	0.31999 + 0.00063	----	----	25	UNCH
JUL21	----	----	0.32241 + 0.00063	----	----	25	UNCH
AUG21	----	----	0.32482 + 0.00063	----	----	25	UNCH
SEP21	----	----	0.32733 + 0.00063	----	----	25	UNCH
OCT21	----	----	0.32975 + 0.00063	----	----	25	UNCH
NOV21	----	----	0.33215 + 0.00063	----	----	25	UNCH
DEC21	----	----	0.33456 + 0.00063	----	----	25	UNCH
TOTAL C0 FUT					35	64386	
MBN FUT	MT BELVIEU ETHYLENE (PCW) FINCL						
NOV17	----	----	0.27405 - 0.00714	----	----	523	UNCH
DEC17	----	----	0.27500 - 0.01500	----	----	573	UNCH
JAN18	----	----	0.28250 - 0.01500	----	----	239	UNCH
FEB18	----	----	0.28250 - 0.01500	----	----	167	UNCH
MAR18	----	----	0.28250 - 0.01500	----	----	167	UNCH
APR18	----	----	0.28250 - 0.01500	----	----	87	UNCH
MAY18	----	----	0.28250 - 0.01500	----	----	87	UNCH
JUN18	----	----	0.28250 - 0.01500	----	----	87	UNCH
JUL18	----	----	0.28500 - 0.01500	----	----	82	UNCH
AUG18	----	----	0.28500 - 0.01500	----	----	82	UNCH
SEP18	----	----	0.28500 - 0.01500	----	----	82	UNCH
OCT18	----	----	0.28500 - 0.01500	----	----	62	UNCH
NOV18	----	----	0.28500 - 0.01500	----	----	62	UNCH
DEC18	----	----	0.28500 - 0.01500	----	----	62	UNCH
TOTAL MBN FUT						2362	
MBE FUT	MT BELVIEU ETHYLENE IN-WELL (PCW)						
NOV17	----	----	0.27500 - 0.01500	----	----	255	UNCH
DEC17	----	----	0.27500 - 0.01500	----	----	185	UNCH
JAN18	----	----	0.28250 - 0.01500	----	----	80	UNCH
FEB18	----	----	0.28250 - 0.01500	----	----	45	UNCH
MAR18	----	----	0.28250 - 0.01500	----	----	50	UNCH
APR18	----	----	0.28250 - 0.01500	----	----	30	UNCH
MAY18	----	----	0.28250 - 0.01500	----	----	30	UNCH
JUN18	----	----	0.28250 - 0.01500	----	----	30	UNCH
TOTAL MBE FUT						705	
8I FUT	MT BELVIEU ISO BUTANE 5 DEC. S						
NOV17	----	----	1.04325 - 0.00059	----	----	268	UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
8I FUT MT BELVIEU ISO BUTANE 5 DEC. S						
DEC17	----	----	1.05500 - 0.00417	----	----	280 UNCH
JAN18	----	----	1.05667 - 0.00083	----	----	311 UNCH
FEB18	----	----	1.04083 UNCH	----	----	299 UNCH
MAR18	----	----	0.97042 - 0.00041	----	----	299 UNCH
APR18	----	----	0.91500 - 0.00542	----	----	252 UNCH
MAY18	----	----	0.89917 - 0.00500	----	----	252 UNCH
JUN18	----	----	0.89375 - 0.00458	----	----	252 UNCH
JUL18	----	----	0.89417 - 0.00458	----	----	263 UNCH
AUG18	----	----	0.89708 - 0.00459	----	----	263 UNCH
SEP18	----	----	0.90500 - 0.00292	----	----	263 UNCH
OCT18	----	----	0.91000 - 0.00292	----	----	263 UNCH
NOV18	----	----	0.91458 - 0.00334	----	----	263 UNCH
DEC18	----	----	0.91958 - 0.00334	----	----	263 UNCH
JAN19	----	----	0.92563 + 0.00063	----	----	68 UNCH
FEB19	----	----	0.91188 + 0.00063	----	----	68 UNCH
MAR19	----	----	0.85938 + 0.00063	----	----	72 UNCH
APR19	----	----	0.83000 + 0.00062	----	----	46 UNCH
MAY19	----	----	0.82500 + 0.00062	----	----	46 UNCH
JUN19	----	----	0.82500 + 0.00062	----	----	46 UNCH
JUL19	----	----	0.82875 + 0.00062	----	----	46 UNCH
AUG19	----	----	0.83375 + 0.00062	----	----	46 UNCH
SEP19	----	----	0.84125 + 0.00062	----	----	46 UNCH
OCT19	----	----	0.84688 + 0.00063	----	----	46 UNCH
NOV19	----	----	0.85250 + 0.00062	----	----	46 UNCH
DEC19	----	----	0.85813 + 0.00063	----	----	46 UNCH
TOTAL 8I FUT						4413
7Q FUT MT BELVIEU NAT GAS 5-DCML (OPIS)						
NOV17	----	----	1.35338 - 0.00340	----	----	2020 UNCH
DEC17	----	----	1.34000 - 0.00688	----	205	2531 - 60
JAN18	----	----	1.33750 - 0.00688	----	297	1293 + 195
FEB18	----	----	1.32500 - 0.00750	----	62	963 - 52
MAR18	----	----	1.30938 - 0.00750	----	62	594 - 52
APR18	----	----	1.29500 - 0.00688	----	52	514 + 5
MAY18	----	----	1.28292 - 0.00708	----	52	514 + 5
JUN18	----	----	1.27250 - 0.00667	----	52	514 + 5
JUL18	----	----	1.27000 - 0.00667	----	52	464 + 39
AUG18	----	----	1.27000 - 0.00667	----	52	450 + 39
SEP18	----	----	1.27125 - 0.00667	----	52	450 + 39
OCT18	----	----	1.26875 - 0.00667	----	62	468 + 49
NOV18	----	----	1.26625 - 0.00667	----	62	467 + 49
DEC18	----	----	1.26375 - 0.00667	----	62	472 + 27
JAN19	----	----	1.26375 - 0.00667	----	----	58 UNCH
FEB19	----	----	1.25125 - 0.00667	----	----	58 UNCH
MAR19	----	----	1.23458 - 0.00667	----	----	58 UNCH
APR19	----	----	1.21958 - 0.00667	----	----	58 UNCH
MAY19	----	----	1.20875 - 0.00667	----	----	58 UNCH
JUN19	----	----	1.20375 - 0.00667	----	----	58 UNCH
JUL19	----	----	1.20208 - 0.00709	----	----	58 UNCH
AUG19	----	----	1.20125 - 0.00708	----	----	58 UNCH
SEP19	----	----	1.20208 - 0.00709	----	----	58 UNCH
OCT19	----	----	1.19958 - 0.00709	----	----	58 UNCH
NOV19	----	----	1.19792 - 0.00708	----	----	58 UNCH
DEC19	----	----	1.19958 - 0.00709	----	----	58 UNCH
TOTAL 7Q FUT					1124	12410 + 288
MNB FUT MT BELVIEU NORMAL BUTANE LDH(OPIS)						
NOV17	----	----	1.02734 - 0.00313	----	----	550 UNCH
DEC17	----	----	1.03500 - 0.00625	----	----	1028 UNCH
JAN18	----	----	1.03500 - 0.00500	----	----	726 UNCH
FEB18	----	----	1.01625 - 0.00375	----	----	519 UNCH
MAR18	----	----	0.93625 - 0.00500	----	----	271 UNCH
APR18	----	----	0.87750 - 0.00625	----	----	220 UNCH
MAY18	----	----	0.86125 - 0.00625	----	----	20 UNCH
JUN18	----	----	0.85500 - 0.00625	----	----	20 UNCH
JUL18	----	----	0.85500 - 0.00625	----	----	20 UNCH
AUG18	----	----	0.85750 - 0.00625	----	----	20 UNCH
SEP18	----	----	0.86625 - 0.00500	----	----	20 UNCH
OCT18	----	----	0.87000 - 0.00500	----	----	270 UNCH
NOV18	----	----	0.87625 - 0.00625	----	----	195 UNCH
DEC18	----	----	0.88375 - 0.00625	----	----	195 UNCH
JAN19	----	----	0.89851 - 0.00562	----	----	100 UNCH
FEB19	----	----	0.89851 - 0.00562	----	----	100 UNCH
TOTAL MNB FUT						4274
D0 FUT MT BELVIEU NRM BUTANE 5-DCML (OPIS)						
NOV17	----	----	1.04503 - 0.00300	----	----	6479 UNCH

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DO FUT	MT BELVIEU NRM BUTANE 5-DCML (OPIS)	MT BELVIEU PROPANE 5-DCML (OPIS)	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
DEC17	----	----			1.05000 - 0.00625	----	125	8413 + 30
JAN18	----	----			1.04813 - 0.00562	----	120	5011 + 80
FEB18	----	----			1.03250 - 0.00438	----	120	4365 + 75
MAR18	----	----			0.96250 - 0.00438	----	120	2942 + 60
APR18	----	----			0.90438 - 0.00500	----	110	1868 + 10
MAY18	----	----			0.88875 - 0.00333	----	110	1739 - 5
JUN18	----	----			0.88375 - 0.00292	----	110	1722 - 5
JUL18	----	----			0.88333 - 0.00292	----		1105 UNCH
AUG18	----	----			0.88667 - 0.00291	----	17	1082 + 17
SEP18	----	----			0.89333 - 0.00167	----	17	1095 - 5
OCT18	----	----			0.89833 - 0.00167	----		1019 UNCH
NOV18	----	----			0.90292 - 0.00166	----		959 UNCH
DEC18	----	----			0.90750 - 0.00167	----		959 UNCH
JAN19	----	----			0.91000 - 0.00167	----		404 UNCH
FEB19	----	----			0.89750 - 0.00167	----		404 UNCH
MAR19	----	----			0.84833 - 0.00167	----		384 UNCH
APR19	----	----			0.82042 - 0.00166	----		301 UNCH
MAY19	----	----			0.81375 - 0.00167	----		251 UNCH
JUN19	----	----			0.81458 - 0.00167	----		251 UNCH
JUL19	----	----			0.81792 - 0.00166	----		251 UNCH
AUG19	----	----			0.82250 - 0.00167	----		251 UNCH
SEP19	----	----			0.82917 - 0.00166	----		251 UNCH
OCT19	----	----			0.83417 - 0.00166	----		251 UNCH
NOV19	----	----			0.83917 - 0.00166	----		251 UNCH
DEC19	----	----			0.84417 - 0.00166	----		251 UNCH
JAN20	----	----			0.80686 - 0.00507	----		15 UNCH
FEB20	----	----			0.80686 - 0.00507	----		15 UNCH
MAR20	----	----			0.80686 - 0.00507	----		15 UNCH
APR20	----	----			0.78891 - 0.00495	----		10 UNCH
MAY20	----	----			0.78891 - 0.00495	----		10 UNCH
JUN20	----	----			0.78891 - 0.00495	----		10 UNCH
JUL20	----	----			0.78460 - 0.00493	----		10 UNCH
AUG20	----	----			0.78460 - 0.00493	----		10 UNCH
SEP20	----	----			0.78460 - 0.00493	----		10 UNCH
OCT20	----	----			0.80463 - 0.00505	----		10 UNCH
NOV20	----	----			0.80463 - 0.00505	----		10 UNCH
DEC20	----	----			0.80463 - 0.00505	----		10 UNCH
TOTAL DO FUT							849	42394 + 257
B0 FUT	MT BELVIEU PROPANE 5-DCML (OPIS)							
NOV17	----	----			0.98044 + 0.00338	----		12239 UNCH
DEC17	0.99000	0.99500B/0.990			0.99313 + 0.00750	5	1165	13321 - 111
JAN18	----	----			0.98813 + 0.00750	----	987	11064 + 64
FEB18	----	----			0.97188 + 0.00750	----	485	7922 - 79
MAR18	----	----			0.88750 + 0.00812	----	435	9553 + 91
APR18	----	----			0.81250 + 0.00562	----	200	6297 - 30
MAY18	----	----			0.78813 + 0.00500	----	165	5033 - 65
JUN18	----	----			0.77875 + 0.00562	----	165	5190 - 65
JUL18	----	----			0.77750 + 0.00625	----	65	3827 - 22
AUG18	----	----			0.77938 + 0.00563	----	40	3351 + 13
SEP18	----	----			0.78500 + 0.00687	----	40	3379 - 12
OCT18	----	----			0.78938 + 0.00625	----	30	3382 + 5
NOV18	----	----			0.79438 + 0.00625	----	30	3312 + 5
DEC18	----	----			0.79938 + 0.00625	----	30	3388 + 5
JAN19	----	----			0.80500 + 0.00625	----	75	1320 + 12
FEB19	----	----			0.79438 + 0.00563	----	75	1482 + 12
MAR19	----	----			0.74563 + 0.00563	----	75	1419 + 37
APR19	----	----			0.71313 + 0.00625	----	300	1339 - 2
MAY19	----	----			0.70375 + 0.01000	----	300	1437 - 27
JUN19	----	----			0.70188 + 0.00938	----	300	1342 - 2
JUL19	----	----			0.70438 + 0.00813	----	225	921 + 148
AUG19	----	----			0.70938 + 0.00875	----	225	910 + 148
SEP19	----	----			0.71500 + 0.00812	----	225	908 + 148
OCT19	----	----			0.72063 + 0.00813	----		778 UNCH
NOV19	----	----			0.72625 + 0.00812	----		781 UNCH
DEC19	----	----			0.73188 + 0.00875	----		814 UNCH
JAN20	----	----			0.74219 + 0.00604	----		321 UNCH
FEB20	----	----			0.73844 + 0.00604	----		321 UNCH
MAR20	----	----			0.70469 + 0.00604	----		297 UNCH
APR20	----	----			0.68844 + 0.00604	----		278 UNCH
MAY20	----	----			0.68469 + 0.00604	----		640 UNCH
JUN20	----	----			0.68469 + 0.00604	----		278 UNCH
JUL20	----	----			0.69094 + 0.00604	----		243 UNCH
AUG20	----	----			0.69719 + 0.00604	----		243 UNCH
SEP20	----	----			0.70719 + 0.00604	----		243 UNCH

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ENERGY FUTURES PRODUCTS

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
B0 FUT	MT BELVIEU PROPANE 5-DCML (OPIS)					
OCT20	----	----	0.71344 + 0.00604	----	----	528 UNCH
NOV20	----	----	0.71969 + 0.00604	----	----	528 UNCH
DEC20	----	----	0.72594 + 0.00604	----	----	538 UNCH
JAN21	----	----	0.73479 + 0.00833	----	----	10 UNCH
FEB21	----	----	0.73119 + 0.00833	----	----	10 UNCH
MAR21	----	----	0.68864 + 0.00833	----	----	20 UNCH
APR21	----	----	0.67937 + 0.00833	----	----	10 UNCH
MAY21	----	----	0.67695 + 0.00833	----	----	10 UNCH
JUN21	----	----	0.67816 + 0.00833	----	----	10 UNCH
JUL21	----	----	0.68298 + 0.00833	----	----	10 UNCH
AUG21	----	----	0.68780 + 0.00833	----	----	10 UNCH
SEP21	----	----	0.69624 + 0.00833	----	----	10 UNCH
OCT21	----	----	0.70104 + 0.00833	----	----	10 UNCH
NOV21	----	----	0.70588 + 0.00833	----	----	10 UNCH
DEC21	----	----	0.71069 + 0.00833	----	----	10 UNCH
TOTAL B0 FUT				5	5637	109297 + 273

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
1R FUT	PROPANE NON LDH MT BELVIEU					
NOV17	----	----	0.97678 + 0.00290	----	----	3753 UNCH
DEC17	----	----	0.99313 + 0.00750	----	150	3846 + 3
JAN18	----	----	0.98813 + 0.00750	----	----	2286 UNCH
FEB18	----	----	0.97188 + 0.00750	----	----	1579 UNCH
MAR18	----	----	0.88750 + 0.00812	----	----	1442 UNCH
APR18	----	----	0.81250 + 0.00562	----	----	1432 UNCH
MAY18	----	----	0.78813 + 0.00500	----	----	1432 UNCH
JUN18	----	----	0.77875 + 0.00562	----	----	1432 UNCH
JUL18	----	----	0.77750 + 0.00625	----	----	1249 UNCH
AUG18	----	----	0.77938 + 0.00563	----	----	1249 UNCH
SEP18	----	----	0.78500 + 0.00687	----	----	1249 UNCH
OCT18	----	----	0.78938 + 0.00625	----	----	1182 UNCH
NOV18	----	----	0.79438 + 0.00625	----	----	1182 UNCH
DEC18	----	----	0.79938 + 0.00625	----	----	1182 UNCH
JAN19	----	----	0.80500 + 0.00625	----	----	145 UNCH
FEB19	----	----	0.79438 + 0.00563	----	----	145 UNCH
MAR19	----	----	0.74563 + 0.00563	----	----	145 UNCH
APR19	----	----	0.71313 + 0.00625	----	----	105 UNCH
MAY19	----	----	0.70375 + 0.01000	----	----	105 UNCH
JUN19	----	----	0.70188 + 0.00938	----	----	105 UNCH
JUL19	----	----	0.70438 + 0.00813	----	----	105 UNCH
AUG19	----	----	0.70938 + 0.00875	----	----	105 UNCH
SEP19	----	----	0.71500 + 0.00812	----	----	105 UNCH
OCT19	----	----	0.72063 + 0.00813	----	----	105 UNCH
NOV19	----	----	0.72625 + 0.00812	----	----	105 UNCH
DEC19	----	----	0.73188 + 0.00875	----	----	105 UNCH
TOTAL 1R FUT					150	25875 + 3

ETHANOL FUTURES PRODUCTS

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
CU FUT	CHICAGO ETHANOL					
NOV17	----	----	1.4000 - 0.0075	----	60	7342 + 4
DEC17	1.4025	1.4025 /1.3975	1.3975 - 0.0125	15	1110	14662 - 77
JAN18	1.3900	1.3900 /1.3900	1.3825 - 0.0125	2	820	6323 + 52
FEB18	----	----	1.3900 - 0.0125	----	205	4933 - 33
MAR18	----	----	1.4125 - 0.0125	----	242	4171 - 35
APR18	----	----	1.4375 - 0.0125	----	10	1542 - 10
MAY18	----	----	1.4525 - 0.0125	----	10	2079 + 10
JUN18	----	----	1.4625 - 0.0125	----	95	2630 + 50
JUL18	----	----	1.4700 - 0.0125	----	45	1302 + 35
AUG18	----	----	1.4725 - 0.0125	----	10	528 - 10
SEP18	----	----	1.4725 - 0.0125	----	10	794 - 10
OCT18	----	----	1.4625 - 0.0125	----	----	1310 UNCH
NOV18	----	----	1.4525 - 0.0125	----	----	905 UNCH
DEC18	----	----	1.4425 - 0.0125	----	----	1175 UNCH
TOTAL CU FUT				17	2617	49696 - 24
Z1 FUT	ETHANOL(PL) T2 FOB RTRDM INCL					
NOV17	----	----	465.989 - 3.772	----	----	665 UNCH
DEC17	----	----	467.000 - 11.000	----	40	756 UNCH
JAN18	----	----	470.000 - 8.000	----	10	700 UNCH
FEB18	----	----	472.000 - 7.000	----	20	497 + 10
MAR18	----	----	474.000 - 6.000	----	20	482 - 10
APR18	----	----	475.000 - 6.000	----	40	285 UNCH
MAY18	----	----	476.000 - 6.000	----	40	277 + 30
JUN18	----	----	477.000 - 6.000	----	40	275 + 10
JUL18	----	----	477.000 - 4.000	----	40	343 + 30
AUG18	----	----	477.000 - 4.000	----	40	353 + 30
SEP18	----	----	477.000 - 4.000	----	40	343 + 30
OCT18	----	----	468.000 - 4.000	----	20	338 UNCH
NOV18	----	----	468.000 - 4.000	----	20	338 UNCH
DEC18	----	----	468.000 - 4.000	----	20	338 UNCH
TOTAL Z1 FUT					390	5990 + 130
EZ FUT	NEW YORK ETHANOL					

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ENERGY FUTURES PRODUCTS

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
NOV17	----	----	1.4775 - 0.0075	----	----	400	UNCH
DEC17	----	----	1.4675 - 0.0125	----	25	480 +	25
JAN18	----	----	1.4525 - 0.0125	----	----	50	UNCH
FEB18	----	----	1.4600 - 0.0125	----	----	50	UNCH
MAR18	----	----	1.4825 - 0.0125	----	----	50	UNCH
APR18	----	----	1.5075 - 0.0125	----	----	25	UNCH
MAY18	----	----	1.5225 - 0.0125	----	----	25	UNCH
JUN18	----	----	1.5325 - 0.0125	----	----	25	UNCH
JUL18	----	----	1.5400 - 0.0125	----	----	25	UNCH
AUG18	----	----	1.5425 - 0.0125	----	----	25	UNCH
SEP18	----	----	1.5425 - 0.0125	----	----	25	UNCH
OCT18	----	----	1.5325 - 0.0125	----	----	25	UNCH
NOV18	----	----	1.5225 - 0.0125	----	----	25	UNCH
DEC18	----	----	1.5125 - 0.0125	----	----	25	UNCH
TOTAL EZ FUT					25	1255 +	25

ELECTRICITY FUTURES PRODUCTS

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
VD FUT	AEP-DAYTON HUB DAILY						
14NOV17	----	----	29.67 UNCH	----	----	0 -	82
15NOV17	----	----	31.31 - 1.69	----	----	82	UNCH
16NOV17	----	----	35.00 UNCH	----	----	82	UNCH
17NOV17	----	----	32.00 - 1.00	----	----	82	UNCH
20NOV17	----	----	31.00 - 2.50	----	----	82	UNCH
21NOV17	----	----	31.00 - 2.50	----	----	82	UNCH
22NOV17	----	----	31.00 - 2.50	----	----	82	UNCH
24NOV17	----	----	31.00 - 2.50	----	----	82	UNCH
27NOV17	----	----	32.00 - 3.31	----	----	82	UNCH
28NOV17	----	----	32.00 - 3.31	----	----	82	UNCH
29NOV17	----	----	32.00 - 3.31	----	----	82	UNCH
30NOV17	----	----	32.00 - 3.31	----	----	82	UNCH
TOTAL VD FUT						902 -	82
VP FUT	AEP-DAYTON HUB OFF-PEAK MONTHLY						
NOV17	----	----	25.94 + 0.25	----	----	50	UNCH
DEC17	----	----	27.64 - 0.02	----	----	50	UNCH
TOTAL VP FUT						100	
VM FUT	AER-DAYTON HUB MTHLY						
NOV17	----	----	31.56 - 2.77	----	----	70	UNCH
DEC17	----	----	33.84 - 0.20	----	----	70	UNCH
TOTAL VM FUT						140	
K2 FUT	CIN HUB 5MW D AH O PK						
DEC17	----	----	27.63 - 0.16	----	----	34768	UNCH
JAN18	----	----	29.99 - 0.31	----	----	13720	UNCH
FEB18	----	----	28.56 - 0.29	----	----	12320	UNCH
MAR18	----	----	28.61 + 0.28	----	----	13720	UNCH
APR18	----	----	26.39 + 0.27	----	----	13440	UNCH
MAY18	----	----	24.89 + 0.03	----	----	13720	UNCH
JUN18	----	----	24.15 + 0.07	----	----	13440	UNCH
JUL18	----	----	26.74 + 0.44	----	----	14280	UNCH
AUG18	----	----	24.46 + 0.41	----	----	13160	UNCH
SEP18	----	----	24.05 + 0.05	----	----	14560	UNCH
OCT18	----	----	24.13 UNCH	----	----	13160	UNCH
NOV18	----	----	24.08 UNCH	----	----	13440	UNCH
DEC18	----	----	28.06 UNCH	----	----	14840	UNCH
TOTAL K2 FUT						198568	
H5 FUT	CIN HUB 5MW D AH PK						
DEC17	----	----	34.58 - 0.16	----	----	1400	UNCH
JAN18	----	----	38.92 - 0.25	----	----	660	UNCH
FEB18	----	----	38.43 - 0.15	----	----	600	UNCH
MAR18	----	----	36.71 - 0.38	----	----	660	UNCH
APR18	----	----	34.29 - 0.22	----	----	651	UNCH
MAY18	----	----	36.05 - 0.05	----	----	660	UNCH
JUN18	----	----	36.09 - 0.05	----	----	651	UNCH
JUL18	----	----	40.45 + 0.02	----	----	777	UNCH
AUG18	----	----	38.65 + 0.03	----	----	805	UNCH
SEP18	----	----	35.68 + 0.13	----	----	608	UNCH
OCT18	----	----	35.38 + 0.24	----	----	828	UNCH
NOV18	----	----	35.13 + 0.29	----	----	756	UNCH
DEC18	----	----	33.97 + 0.23	----	----	600	UNCH
JAN19	----	----	41.60 + 1.12	----	----	22	UNCH
FEB19	----	----	39.55 + 1.11	----	----	40	UNCH
MAR19	----	----	37.76 + 0.96	----	----	21	UNCH
APR19	----	----	35.40 + 0.88	----	----	22	UNCH
MAY19	----	----	34.99 + 0.97	----	----	22	UNCH
JUN19	----	----	35.30 + 0.88	----	----	60	UNCH
TOTAL H5 FUT						9843	
H4 FUT	CIN HUB 5MW REAL TIME O PK						
DEC17	----	----	27.03 - 0.16	----	----	26288	UNCH
JAN18	----	----	29.39 - 0.31	----	----	25088	UNCH
FEB18	----	----	27.96 - 0.29	----	----	22528	UNCH
MAR18	----	----	28.01 + 0.28	----	----	27440	UNCH
APR18	----	----	25.79 + 0.27	----	----	26880	UNCH
MAY18	----	----	24.29 + 0.03	----	----	27440	UNCH
JUN18	----	----	23.55 + 0.07	----	----	26880	UNCH
JUL18	----	----	26.14 + 0.44	----	----	28560	UNCH
AUG18	----	----	23.86 + 0.41	----	----	26320	UNCH
SEP18	----	----	23.45 + 0.05	----	----	29120	UNCH
OCT18	----	----	23.53 UNCH	----	----	26320	UNCH
NOV18	----	----	23.48 UNCH	----	----	26880	UNCH
DEC18	----	----	27.46 UNCH	----	----	29680	UNCH
JAN19	----	----	31.58 + 0.20	----	----	9800	UNCH
FEB19	----	----	29.59 + 0.20	----	----	8800	UNCH
MAR19	----	----	28.38 + 0.15	----	----	10200	UNCH
APR19	----	----	24.55 + 0.16	----	----	9200	UNCH
MAY19	----	----	23.00 + 0.11	----	----	9800	UNCH
JUN19	----	----	23.14 + 0.10	----	----	10000	UNCH
JUL19	----	----	25.71 + 0.15	----	----	9800	UNCH
AUG19	----	----	23.43 + 0.10	----	----	9800	UNCH

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H4 FUT CIN HUB 5MW REAL TIME O PK							
SEP19	----	----	22.36 + 0.10	----	----	10000	UNCH
OCT19	----	----	22.66 + 0.11	----	----	9400	UNCH
NOV19	----	----	23.09 + 0.10	----	----	10000	UNCH
DEC19	----	----	26.10 + 0.15	----	----	10200	UNCH
JAN20	----	----	33.61 + 0.91	----	----	2744	UNCH
FEB20	----	----	31.63 + 0.87	----	----	2632	UNCH
MAR20	----	----	26.81 + 0.72	----	----	2744	UNCH
APR20	----	----	25.03 + 0.68	----	----	2576	UNCH
MAY20	----	----	23.20 + 0.59	----	----	2968	UNCH
JUN20	----	----	23.51 + 0.60	----	----	2576	UNCH
JUL20	----	----	24.83 + 0.68	----	----	2632	UNCH
AUG20	----	----	23.66 + 0.60	----	----	2856	UNCH
SEP20	----	----	22.74 + 0.58	----	----	2688	UNCH
OCT20	----	----	22.54 + 0.58	----	----	2744	UNCH
NOV20	----	----	23.00 + 0.59	----	----	2800	UNCH
DEC20	----	----	26.05 + 0.71	----	----	2744	UNCH
TOTAL H4 FUT						499128	
H3 FUT CIN HUB 5MW REAL TIME PK							
DEC17	----	----	33.78 - 0.16	----	----	1540	UNCH
JAN18	----	----	38.12 - 0.25	----	----	1936	UNCH
FEB18	----	----	37.63 - 0.15	----	----	1760	UNCH
MAR18	----	----	35.91 - 0.38	----	----	1826	UNCH
APR18	----	----	33.49 - 0.22	----	----	1743	UNCH
MAY18	----	----	35.25 - 0.05	----	----	1826	UNCH
JUN18	----	----	35.29 - 0.05	----	----	1743	UNCH
JUL18	----	----	39.65 + 0.02	----	----	1743	UNCH
AUG18	----	----	37.85 + 0.03	----	----	1909	UNCH
SEP18	----	----	34.88 + 0.13	----	----	1577	UNCH
OCT18	----	----	34.58 + 0.24	----	----	1909	UNCH
NOV18	----	----	34.33 + 0.29	----	----	1743	UNCH
DEC18	----	----	33.17 + 0.23	----	----	1660	UNCH
JAN19	----	----	40.80 + 1.12	----	----	1320	UNCH
FEB19	----	----	38.75 + 1.11	----	----	1200	UNCH
MAR19	----	----	36.96 + 0.96	----	----	1260	UNCH
APR19	----	----	34.60 + 0.88	----	----	1320	UNCH
MAY19	----	----	34.19 + 0.97	----	----	1320	UNCH
JUN19	----	----	34.50 + 0.88	----	----	1200	UNCH
JUL19	----	----	40.80 + 1.56	----	----	1320	UNCH
AUG19	----	----	37.88 + 1.43	----	----	1320	UNCH
SEP19	----	----	34.09 + 0.87	----	----	1200	UNCH
OCT19	----	----	32.91 + 0.84	----	----	1380	UNCH
NOV19	----	----	32.60 + 0.82	----	----	1200	UNCH
DEC19	----	----	34.09 + 0.87	----	----	1260	UNCH
JAN20	----	----	41.25 + 0.79	----	----	154	UNCH
FEB20	----	----	38.90 + 0.73	----	----	140	UNCH
MAR20	----	----	36.50 + 0.83	----	----	154	UNCH
APR20	----	----	33.64 + 0.76	----	----	154	UNCH
MAY20	----	----	33.39 + 0.76	----	----	140	UNCH
JUN20	----	----	33.95 + 0.77	----	----	154	UNCH
JUL20	----	----	39.82 + 0.90	----	----	161	UNCH
AUG20	----	----	36.60 + 0.83	----	----	147	UNCH
SEP20	----	----	33.49 + 0.76	----	----	147	UNCH
OCT20	----	----	31.55 + 0.72	----	----	154	UNCH
NOV20	----	----	31.35 + 0.72	----	----	140	UNCH
DEC20	----	----	31.96 + 0.73	----	----	154	UNCH
TOTAL H3 FUT						40014	
EJ FUT CINERGY HUB OFF-PEAK MONTH							
JAN18	----	----	29.39 - 0.31	----	----	10	UNCH
FEB18	----	----	27.96 - 0.29	----	----	10	UNCH
MAR18	----	----	28.01 + 0.28	----	----	10	UNCH
APR18	----	----	25.79 + 0.27	----	----	10	UNCH
MAY18	----	----	24.29 + 0.03	----	----	10	UNCH
JUN18	----	----	23.55 + 0.07	----	----	10	UNCH
JUL18	----	----	26.14 + 0.44	----	----	10	UNCH
AUG18	----	----	23.86 + 0.41	----	----	10	UNCH
SEP18	----	----	23.45 + 0.05	----	----	10	UNCH
OCT18	----	----	23.53 UNCH	----	----	10	UNCH
NOV18	----	----	23.48 UNCH	----	----	10	UNCH
DEC18	----	----	27.46 UNCH	----	----	10	UNCH
TOTAL EJ FUT						120	
EM FUT CINERGY HUB PEAK MONTH							
JAN18	----	----	38.12 - 0.25	----	----	24	UNCH
FEB18	----	----	37.63 - 0.15	----	----	24	UNCH
MAR18	----	----	35.91 - 0.38	----	----	24	UNCH
APR18	----	----	33.49 - 0.22	----	----	24	UNCH
MAY18	----	----	35.25 - 0.05	----	----	24	UNCH
JUN18	----	----	35.29 - 0.05	----	----	24	UNCH
JUL18	----	----	39.65 + 0.02	----	----	24	UNCH
AUG18	----	----	37.85 + 0.03	----	----	24	UNCH
SEP18	----	----	34.88 + 0.13	----	----	24	UNCH
OCT18	----	----	34.58 + 0.24	----	----	24	UNCH
NOV18	----	----	34.33 + 0.29	----	----	24	UNCH
DEC18	----	----	33.17 + 0.23	----	----	24	UNCH
TOTAL EM FUT						288	
I1 FUT ERCOT HSTN Z MCPE 5 MW PEAK SW							
JAN18	----	----	30.98 - 0.06	----	----	880	UNCH
FEB18	----	----	31.00 - 0.05	----	----	800	UNCH
JUL18	----	----	66.73 + 0.22	----	----	1050	UNCH
AUG18	----	----	90.03 + 0.30	----	----	1150	UNCH
TOTAL I1 FUT						3880	
I6 FUT ERCOT NRTH Z MCPE 5 MW OFFPK S							
DEC17	----	----	19.95 - 0.18	----	----	21200	UNCH
JUN18	----	----	23.28 + 0.11	----	----	19200	UNCH
JUL18	----	----	26.67 + 0.27	----	----	20400	UNCH
AUG18	----	----	28.11 + 0.30	----	----	18800	UNCH
SEP18	----	----	23.12 + 0.11	----	----	20800	UNCH
TOTAL I6 FUT						100400	
I5 FUT ERCOT NRTH Z MCPE 5 MW PEAK SW							
JAN18	----	----	28.22 - 0.04	----	----	880	UNCH
FEB18	----	----	28.24 - 0.03	----	----	800	UNCH
JUN18	----	----	36.36 + 0.11	----	----	2100	UNCH

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I5 FUT	ERCOT NRTH Z MCPE 5 MW PEAK SW						
JUL18	----	----	69.69 + 0.23	----	----	1050	UNCH
AUG18	----	----	86.51 + 0.29	----	----	1150	UNCH
TOTAL I5 FUT						5980	
IDO FUT	ISO NEW ENG MASS HUB DA OP DAILY						
09NOV17	----	----	31.38 UNCH	----	----	0	- 264
10NOV17	----	----	37.84 UNCH	----	----	264	UNCH
11NOV17	----	----	74.89 UNCH	----	----	792	UNCH
12NOV17	----	----	53.28 UNCH	----	----	792	UNCH
13NOV17	----	----	56.91 UNCH	----	----	264	UNCH
14NOV17	----	----	42.10 UNCH	----	----	264	UNCH
15NOV17	----	----	30.70 UNCH	----	----	264	UNCH
16NOV17	----	----	30.59 UNCH	----	----	264	UNCH
17NOV17	----	----	24.95 + 2.30	----	----	264	UNCH
18NOV17	----	----	22.65 UNCH	----	----	792	UNCH
19NOV17	----	----	22.65 UNCH	----	----	792	UNCH
20NOV17	----	----	22.65 UNCH	----	----	264	UNCH
21NOV17	----	----	22.65 UNCH	----	----	264	UNCH
22NOV17	----	----	22.65 UNCH	----	----	264	UNCH
23NOV17	----	----	22.65 UNCH	----	----	792	UNCH
24NOV17	----	----	22.65 UNCH	----	----	264	UNCH
25NOV17	----	----	22.65 UNCH	----	----	792	UNCH
26NOV17	----	----	22.65 UNCH	----	----	792	UNCH
27NOV17	----	----	22.65 UNCH	----	----	264	UNCH
28NOV17	----	----	22.65 UNCH	----	----	264	UNCH
29NOV17	----	----	22.65 UNCH	----	----	264	UNCH
30NOV17	----	----	22.65 UNCH	----	----	264	UNCH
TOTAL IDO FUT						9240	- 264
KI FUT	ISO NEW ENGLAND OFF-PEAK LMP						
NOV17	----	----	28.22 + 0.05	----	----	14	UNCH
DEC17	----	----	40.88 - 0.60	----	----	14	UNCH
TOTAL KI FUT						28	
NI FUT	ISO NEW ENGLAND PEAK LMP						
NOV17	----	----	35.92 + 0.41	----	----	17	UNCH
DEC17	----	----	51.05 - 1.05	----	----	17	UNCH
TOTAL NI FUT						34	
HMW FUT	MIDWEST ISO MICHIGAN HUB 5MW PEAK C						
NOV17	----	----	33.77 - 0.08	----	----	1155	UNCH
DEC17	----	----	35.03 - 0.16	----	----	1100	UNCH
JAN18	----	----	39.37 - 0.25	----	----	154	UNCH
FEB18	----	----	38.88 - 0.15	----	----	140	UNCH
MAR18	----	----	37.16 - 0.38	----	----	154	UNCH
APR18	----	----	34.74 - 0.22	----	----	147	UNCH
MAY18	----	----	36.50 - 0.05	----	----	154	UNCH
JUN18	----	----	36.54 - 0.05	----	----	147	UNCH
JUL18	----	----	40.90 + 0.02	----	----	147	UNCH
AUG18	----	----	39.10 + 0.03	----	----	161	UNCH
SEP18	----	----	36.13 + 0.13	----	----	133	UNCH
OCT18	----	----	35.83 + 0.24	----	----	161	UNCH
NOV18	----	----	35.58 + 0.29	----	----	147	UNCH
DEC18	----	----	34.42 + 0.23	----	----	140	UNCH
TOTAL HMW FUT						4040	
FAD FUT	MISO INDIANA HUB 5MW OFPK CALDAY DA						
08NOV17	----	----	26.03 UNCH	----	----	0	- 656
09NOV17	----	----	25.77 UNCH	----	----	656	UNCH
10NOV17	----	----	29.67 UNCH	----	----	656	UNCH
11NOV17	----	----	29.82 UNCH	----	----	1968	UNCH
12NOV17	----	----	29.96 UNCH	----	----	1968	UNCH
13NOV17	----	----	27.93 UNCH	----	----	656	UNCH
14NOV17	----	----	26.19 UNCH	----	----	656	UNCH
15NOV17	----	----	24.55 UNCH	----	----	656	UNCH
16NOV17	----	----	25.25 UNCH	----	----	656	UNCH
17NOV17	----	----	26.45 + 0.43	----	----	656	UNCH
18NOV17	----	----	26.02 UNCH	----	----	1968	UNCH
19NOV17	----	----	26.02 UNCH	----	----	1968	UNCH
20NOV17	----	----	26.02 UNCH	----	----	656	UNCH
21NOV17	----	----	26.02 UNCH	----	----	656	UNCH
22NOV17	----	----	26.02 UNCH	----	----	656	UNCH
23NOV17	----	----	26.02 UNCH	----	----	1968	UNCH
24NOV17	----	----	26.02 UNCH	----	----	656	UNCH
25NOV17	----	----	26.02 UNCH	----	----	1968	UNCH
26NOV17	----	----	26.02 UNCH	----	----	1968	UNCH
27NOV17	----	----	26.02 UNCH	----	----	656	UNCH
28NOV17	----	----	26.02 UNCH	----	----	656	UNCH
29NOV17	----	----	26.02 UNCH	----	----	656	UNCH
30NOV17	----	----	26.02 UNCH	----	----	656	UNCH
TOTAL FAD FUT						23616	- 656
FTD FUT	MISO INDIANA HUB 5MW OFPK CALDAY RT						
08NOV17	----	----	25.95 UNCH	----	----	0	- 496
09NOV17	----	----	25.25 UNCH	----	----	496	UNCH
10NOV17	----	----	24.73 UNCH	----	----	496	UNCH
11NOV17	----	----	37.21 UNCH	----	----	1488	UNCH
12NOV17	----	----	31.86 UNCH	----	----	1488	UNCH
13NOV17	----	----	23.99 UNCH	----	----	496	UNCH
14NOV17	----	----	26.27 UNCH	----	----	496	UNCH
15NOV17	----	----	27.47 + 2.92	----	----	496	UNCH
16NOV17	----	----	24.55 UNCH	----	----	496	UNCH
17NOV17	----	----	24.55 UNCH	----	----	496	UNCH
18NOV17	----	----	24.55 UNCH	----	----	1488	UNCH
19NOV17	----	----	24.55 UNCH	----	----	1488	UNCH
20NOV17	----	----	24.55 UNCH	----	----	496	UNCH
21NOV17	----	----	24.55 UNCH	----	----	496	UNCH
22NOV17	----	----	24.55 UNCH	----	----	496	UNCH
23NOV17	----	----	24.55 UNCH	----	----	1488	UNCH
24NOV17	----	----	24.55 UNCH	----	----	496	UNCH
25NOV17	----	----	24.55 UNCH	----	----	1488	UNCH
26NOV17	----	----	24.55 UNCH	----	----	1488	UNCH
27NOV17	----	----	24.55 UNCH	----	----	496	UNCH
28NOV17	----	----	24.55 UNCH	----	----	496	UNCH
29NOV17	----	----	24.55 UNCH	----	----	496	UNCH
30NOV17	----	----	24.55 UNCH	----	----	496	UNCH

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		GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
TOTAL	FTD FUT							17856	- 496
PDD FUT	MISO INDIANA HUB 5MW PK CAL DAYHD								
08NOV17		----	----	33.37	UNCH	----	----	0	- 72
09NOV17		----	----	34.39	UNCH	----	----	72	UNCH
10NOV17		----	----	38.36	UNCH	----	----	72	UNCH
13NOV17		----	----	36.55	UNCH	----	----	72	UNCH
14NOV17		----	----	34.02	UNCH	----	----	72	UNCH
15NOV17		----	----	32.50	UNCH	----	----	72	UNCH
16NOV17		----	----	32.46	UNCH	----	----	72	UNCH
17NOV17		----	----	31.38	+ 0.38	----	----	72	UNCH
20NOV17		----	----	28.50	- 2.75	----	----	72	UNCH
21NOV17		----	----	28.50	- 2.75	----	----	72	UNCH
22NOV17		----	----	28.50	- 2.75	----	----	72	UNCH
24NOV17		----	----	28.50	- 2.75	----	----	72	UNCH
27NOV17		----	----	31.50	- 3.75	----	----	72	UNCH
28NOV17		----	----	31.50	- 3.75	----	----	72	UNCH
29NOV17		----	----	31.50	- 3.75	----	----	72	UNCH
30NOV17		----	----	31.50	- 3.75	----	----	72	UNCH
TOTAL	PDD FUT							1080	- 72
PTD FUT	MISO INDIANA HUB 5MW PK CAL-DAY RT								
07NOV17		----	----	37.51	UNCH	----	----	0	- 57
08NOV17		----	----	31.97	UNCH	----	----	57	UNCH
09NOV17		----	----	26.37	UNCH	----	----	57	UNCH
10NOV17		----	----	26.91	UNCH	----	----	57	UNCH
13NOV17		----	----	40.95	UNCH	----	----	57	UNCH
14NOV17		----	----	27.22	UNCH	----	----	57	UNCH
15NOV17		----	----	25.56	- 6.94	----	----	57	UNCH
16NOV17		----	----	31.50	UNCH	----	----	57	UNCH
17NOV17		----	----	32.00	+ 1.00	----	----	57	UNCH
20NOV17		----	----	28.50	- 2.75	----	----	57	UNCH
21NOV17		----	----	28.50	- 2.75	----	----	57	UNCH
22NOV17		----	----	28.50	- 2.75	----	----	57	UNCH
24NOV17		----	----	28.50	- 2.75	----	----	57	UNCH
27NOV17		----	----	31.50	- 3.75	----	----	57	UNCH
28NOV17		----	----	31.50	- 3.75	----	----	57	UNCH
29NOV17		----	----	31.50	- 3.75	----	----	57	UNCH
30NOV17		----	----	31.50	- 3.75	----	----	57	UNCH
TOTAL	PTD FUT							912	- 57
HMO FUT	MISO MICHIGAN HUB OF-PK DA MONTHLY								
NOV17		----	----	26.29	+ 0.02	----	----	17280	UNCH
DEC17		----	----	28.53	- 0.16	----	----	19080	UNCH
JAN18		----	----	30.89	- 0.31	----	----	2744	UNCH
FEB18		----	----	29.46	- 0.29	----	----	2464	UNCH
MAR18		----	----	29.51	+ 0.28	----	----	2744	UNCH
APR18		----	----	27.29	+ 0.27	----	----	2688	UNCH
MAY18		----	----	25.79	+ 0.03	----	----	2744	UNCH
JUN18		----	----	25.05	+ 0.07	----	----	2688	UNCH
JUL18		----	----	27.64	+ 0.44	----	----	2856	UNCH
AUG18		----	----	25.36	+ 0.41	----	----	2632	UNCH
SEP18		----	----	24.95	+ 0.05	----	----	2912	UNCH
OCT18		----	----	25.03	UNCH	----	----	2632	UNCH
NOV18		----	----	24.98	UNCH	----	----	2688	UNCH
DEC18		----	----	28.96	UNCH	----	----	2968	UNCH
TOTAL	HMO FUT							69120	
UD FUT	N ILLINOIS HUB DAILY								
14NOV17		----	----	27.96	UNCH	----	----	0	- 110
15NOV17		----	----	32.14	+ 0.14	----	----	110	UNCH
16NOV17		----	----	32.00	UNCH	----	----	110	UNCH
17NOV17		----	----	31.00	+ 0.50	----	----	110	UNCH
20NOV17		----	----	30.00	- 2.00	----	----	110	UNCH
21NOV17		----	----	30.00	- 2.00	----	----	110	UNCH
22NOV17		----	----	30.00	- 2.00	----	----	110	UNCH
24NOV17		----	----	30.00	- 2.00	----	----	110	UNCH
27NOV17		----	----	30.00	- 2.38	----	----	110	UNCH
28NOV17		----	----	30.00	- 2.38	----	----	110	UNCH
29NOV17		----	----	30.00	- 2.38	----	----	110	UNCH
30NOV17		----	----	30.00	- 2.38	----	----	110	UNCH
TOTAL	UD FUT							1210	- 110
UM FUT	N ILLINOIS HUB MTHLY								
NOV17		----	----	30.11	- 1.89	----	----	20	UNCH
DEC17		----	----	31.41	- 0.13	----	----	20	UNCH
TOTAL	UM FUT							40	
P3 FUT	NEPOOL CNCTCT 5MW D AH O PK								
NOV17		----	----	27.83	+ 0.05	----	----	385	UNCH
DEC17		----	----	40.10	- 1.00	----	----	424	UNCH
TOTAL	P3 FUT							809	
P2 FUT	NEPOOL CONECTIC 5MW D AH PK								
NOV17		----	----	35.62	+ 0.39	----	----	21	UNCH
DEC17		----	----	50.65	- 1.35	----	----	20	UNCH
TOTAL	P2 FUT							41	
H2 FUT	NEPOOL INTR HUB 5MW D AH O PK								
DEC17		----	----	40.88	- 0.60	----	----	13992	UNCH
JAN18		----	----	61.60	- 0.70	----	----	16464	UNCH
FEB18		----	----	60.60	- 0.70	----	----	14784	UNCH
MAR18		----	----	40.75	- 0.25	----	----	12512	UNCH
APR18		----	----	26.15	UNCH	----	----	12288	UNCH
MAY18		----	----	22.63	- 0.05	----	----	12544	UNCH
JUN18		----	----	22.75	- 0.05	----	----	12288	UNCH
JUL18		----	----	26.35	+ 0.28	----	----	13056	UNCH
AUG18		----	----	24.15	+ 0.22	----	----	12032	UNCH
SEP18		----	----	22.30	+ 0.22	----	----	13312	UNCH
OCT18		----	----	23.00	- 0.25	----	----	12032	UNCH
NOV18		----	----	27.15	- 0.45	----	----	12320	UNCH
DEC18		----	----	43.00	- 0.85	----	----	13568	UNCH
JAN19		----	----	62.88	- 0.86	----	----	7056	UNCH
FEB19		----	----	60.12	- 0.84	----	----	6336	UNCH
MAR19		----	----	40.75	- 0.25	----	----	13838	UNCH
APR19		----	----	24.65	UNCH	----	----	6624	UNCH
MAY19		----	----	22.00	+ 0.10	----	----	7056	UNCH
JUN19		----	----	22.00	+ 0.10	----	----	7200	UNCH

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H2 FUT	GLOBEX OPEN				GLOBEX HIGH/LOW		SETT. PRICE & PT. CHGE		GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
	NEPOOL	INTR	HUB	5MW D AH O PK									
JUL19							26.16	+	0.11			7056	UNCH
AUG19							24.34	+	0.09			7056	UNCH
SEP19							22.15	+	0.05			7200	UNCH
OCT19							23.15		UNCH			6768	UNCH
NOV19							24.75		UNCH			7218	UNCH
DEC19							42.65	+	0.05			7344	UNCH
JAN20							65.84	+	1.26			12936	UNCH
FEB20							62.72	+	1.21			12408	UNCH
MAR20							42.63	+	0.83			12903	UNCH
APR20							25.93	+	0.56			12144	UNCH
MAY20							23.01	+	0.47			13992	UNCH
JUN20							23.31	+	0.47			12144	UNCH
JUL20							26.54	+	0.58			12408	UNCH
AUG20							24.62	+	0.49			13464	UNCH
SEP20							22.70	+	0.46			12672	UNCH
OCT20							23.11	+	0.47			12936	UNCH
NOV20							27.45	+	0.54			13233	UNCH
DEC20							42.74	+	0.84			12936	UNCH
JAN21							64.89	+	0.13			10600	UNCH
FEB21							61.61	+	0.14			8800	UNCH
MAR21							41.93	+	0.10			9375	UNCH
APR21							25.60	+	0.13			9200	UNCH
MAY21							22.66	+	0.08			10600	UNCH
JUN21							23.01	+	0.08			9200	UNCH
JUL21							26.20	+	0.13			10200	UNCH
AUG21							24.45	+	0.07			9800	UNCH
SEP21							22.51	+	0.08			9600	UNCH
OCT21							22.86	+	0.08			10200	UNCH
NOV21							27.14	+	0.07			9625	UNCH
DEC21							42.73	+	0.11			9400	UNCH
TOTAL												532720	
H2 FUT													
U6 FUT													
DEC17							51.05	-	1.05			720	UNCH
JAN18							77.15	-	1.45			1298	UNCH
FEB18							75.25	-	1.80			1180	UNCH
MAR18							50.20	-	0.35			1298	UNCH
APR18							34.60	+	0.07			1239	UNCH
MAY18							30.68	+	0.08			1298	UNCH
JUN18							32.58	-	0.07			1239	UNCH
JUL18							40.05	+	0.20			1239	UNCH
AUG18							37.75	+	0.20			1357	UNCH
SEP18							32.20	-	0.15			1121	UNCH
OCT18							32.60		UNCH			1357	UNCH
NOV18							36.00		UNCH			1239	UNCH
DEC18							55.50	-	0.50			1180	UNCH
JAN19							78.83	-	0.27			858	UNCH
FEB19							78.17	-	0.23			780	UNCH
MAR19							49.75	-	0.05			714	UNCH
APR19							32.00		UNCH			528	UNCH
MAY19							29.25		UNCH			528	UNCH
JUN19							30.75		UNCH			480	UNCH
JUL19							39.60	+	0.02			528	UNCH
AUG19							37.90	-	0.02			528	UNCH
SEP19							31.25		UNCH			480	UNCH
OCT19							31.75		UNCH			552	UNCH
NOV19							34.25		UNCH			480	UNCH
DEC19							53.50		UNCH			504	UNCH
JAN20							80.08	+	0.71			726	UNCH
FEB20							79.27	+	0.70			660	UNCH
MAR20							52.31	+	0.58			726	UNCH
APR20							34.21	+	0.39			726	UNCH
MAY20							30.97	+	0.36			660	UNCH
JUN20							32.59	+	0.38			726	UNCH
JUL20							40.40	+	0.46			759	UNCH
AUG20							38.67	+	0.44			693	UNCH
SEP20							32.74	+	0.38			693	UNCH
OCT20							30.66	+	0.36			726	UNCH
NOV20							35.83	+	0.41			660	UNCH
DEC20							55.86	+	0.62			726	UNCH
JAN21							81.69	+	0.62			500	UNCH
FEB21							80.83	+	0.61			500	UNCH
MAR21							51.51	+	0.37			575	UNCH
APR21							33.69	+	0.26			550	UNCH
MAY21							30.48	+	0.25			500	UNCH
JUN21							32.03	+	0.25			550	UNCH
JUL21							39.92	+	0.31			525	UNCH
AUG21							38.11	+	0.29			550	UNCH
SEP21							32.13	+	0.25			525	UNCH
OCT21							30.02	+	0.24			525	UNCH
NOV21							35.30	+	0.28			525	UNCH
DEC21							57.29	+	0.47			575	UNCH
TOTAL												37606	
U6 FUT													
P8 FUT													
JAN19							63.58	-	0.33			1176	UNCH
FEB19							61.22	-	0.34			1056	UNCH
MAR19							40.68	-	0.21			1221	UNCH
APR19							24.70	-	0.09			1104	UNCH
MAY19							22.06	-	0.08			1176	UNCH
JUN19							22.11	-	0.08			1200	UNCH
JUL19							26.71	-	0.09			1176	UNCH
AUG19							24.12	-	0.08			1176	UNCH
SEP19							21.81	-	0.08			1200	UNCH
OCT19							22.20	-	0.09			1128	UNCH
NOV19							26.96	-	0.14			1203	UNCH
DEC19							42.84	-	0.21			1224	UNCH
TOTAL												14040	
P8 FUT													
P7 FUT													
JAN19							79.37	+	0.03			66	UNCH
FEB19							78.18	+	0.08			60	UNCH
MAR19							50.65	-	0.36			63	UNCH
APR19							33.29	-	0.09			66	UNCH
MAY19							30.36		UNCH			66	UNCH
JUN19							31.85	-	0.09			60	UNCH
JUL19							40.73	+	0.42			66	UNCH

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	NEPOOL	NE MASS	5MW D	AH	PK	SETTL. PRICE & PT. CHGE	GLOBALX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
GLOBALX OPEN	HIGH/LOW									
P7 FUT	NEPOOL	NE MASS	5MW D	AH	PK					
AUG19	----	----	----	----	----	38.35 + 0.36	----	----	66	UNCH
SEP19	----	----	----	----	----	31.90 - 0.09	----	----	60	UNCH
OCT19	----	----	----	----	----	31.60 - 0.10	----	----	69	UNCH
NOV19	----	----	----	----	----	36.81 - 0.09	----	----	60	UNCH
DEC19	----	----	----	----	----	53.92 - 0.06	----	----	63	UNCH
TOTAL P7 FUT									765	
U4 FUT	NEPOOL	RHD	ISLD	5MW D	AH	PK				
NOV17	----	----	----	----	----	35.54 + 0.40	----	----	105	UNCH
DEC17	----	----	----	----	----	50.90 - 1.35	----	----	100	UNCH
TOTAL U4 FUT									205	
U5 FUT	NEPOOL	RHODE	IL	5MW D	AH	O	PK			
NOV17	----	----	----	----	----	28.27 + 0.05	----	----	1925	UNCH
DEC17	----	----	----	----	----	40.85 - 1.00	----	----	2120	UNCH
TOTAL U5 FUT									4045	
L9 FUT	NEPOOL	W CNT	MASS	5MW D	AH	O	PK			
NOV17	----	----	----	----	----	27.85 + 0.07	----	----	770	UNCH
DEC17	----	----	----	----	----	39.90 - 0.60	----	----	848	UNCH
TOTAL L9 FUT									1618	
R6 FUT	NEPOOL	W CNTR	M	5MW D	AH	PK				
NOV17	----	----	----	----	----	36.15 + 0.39	----	----	42	UNCH
DEC17	----	----	----	----	----	50.67 - 1.05	----	----	40	UNCH
TOTAL R6 FUT									82	
CE FUT	NEW ENGLAND HUB PEAK DAILY									
01NOV17	----	----	----	----	----	29.28 UNCH	----	----	0	36
02NOV17	----	----	----	----	----	20.05 UNCH	----	----	36	UNCH
03NOV17	----	----	----	----	----	15.54 UNCH	----	----	36	UNCH
06NOV17	----	----	----	----	----	28.26 UNCH	----	----	36	UNCH
07NOV17	----	----	----	----	----	33.86 UNCH	----	----	36	UNCH
08NOV17	----	----	----	----	----	35.98 UNCH	----	----	36	UNCH
09NOV17	----	----	----	----	----	37.06 UNCH	----	----	36	UNCH
10NOV17	----	----	----	----	----	69.00 UNCH	----	----	36	UNCH
13NOV17	----	----	----	----	----	73.33 UNCH	----	----	36	UNCH
14NOV17	----	----	----	----	----	55.71 UNCH	----	----	36	UNCH
15NOV17	----	----	----	----	----	43.77 UNCH	----	----	36	UNCH
16NOV17	----	----	----	----	----	41.50 UNCH	----	----	36	UNCH
17NOV17	----	----	----	----	----	37.83 + 8.68	----	----	36	UNCH
20NOV17	----	----	----	----	----	29.15 UNCH	----	----	36	UNCH
21NOV17	----	----	----	----	----	29.15 UNCH	----	----	36	UNCH
22NOV17	----	----	----	----	----	29.15 UNCH	----	----	36	UNCH
24NOV17	----	----	----	----	----	29.15 UNCH	----	----	36	UNCH
27NOV17	----	----	----	----	----	29.15 UNCH	----	----	36	UNCH
28NOV17	----	----	----	----	----	29.15 UNCH	----	----	36	UNCH
29NOV17	----	----	----	----	----	29.15 UNCH	----	----	36	UNCH
30NOV17	----	----	----	----	----	29.15 UNCH	----	----	36	UNCH
TOTAL CE FUT									720	36
GN FUT	NEW YORK HUB ZONE G PEAK DAILY									
01NOV17	----	----	----	----	----	32.24 UNCH	----	----	0	27
02NOV17	----	----	----	----	----	29.14 UNCH	----	----	27	UNCH
03NOV17	----	----	----	----	----	23.93 UNCH	----	----	27	UNCH
06NOV17	----	----	----	----	----	27.15 UNCH	----	----	27	UNCH
07NOV17	----	----	----	----	----	32.20 UNCH	----	----	27	UNCH
08NOV17	----	----	----	----	----	38.05 UNCH	----	----	27	UNCH
09NOV17	----	----	----	----	----	39.08 UNCH	----	----	27	UNCH
10NOV17	----	----	----	----	----	49.12 UNCH	----	----	27	UNCH
13NOV17	----	----	----	----	----	41.25 UNCH	----	----	27	UNCH
14NOV17	----	----	----	----	----	42.05 UNCH	----	----	27	UNCH
15NOV17	----	----	----	----	----	37.75 UNCH	----	----	27	UNCH
16NOV17	----	----	----	----	----	34.49 UNCH	----	----	27	UNCH
17NOV17	----	----	----	----	----	35.72 + 5.99	----	----	27	UNCH
20NOV17	----	----	----	----	----	29.73 UNCH	----	----	27	UNCH
21NOV17	----	----	----	----	----	29.73 UNCH	----	----	27	UNCH
22NOV17	----	----	----	----	----	29.73 UNCH	----	----	27	UNCH
24NOV17	----	----	----	----	----	29.73 UNCH	----	----	27	UNCH
27NOV17	----	----	----	----	----	29.73 UNCH	----	----	27	UNCH
28NOV17	----	----	----	----	----	29.73 UNCH	----	----	27	UNCH
29NOV17	----	----	----	----	----	29.73 UNCH	----	----	27	UNCH
30NOV17	----	----	----	----	----	29.73 UNCH	----	----	27	UNCH
TOTAL GN FUT									540	27
JN FUT	NEW YORK HUB ZONE J PEAK DAILY									
01NOV17	----	----	----	----	----	32.66 UNCH	----	----	0	11
02NOV17	----	----	----	----	----	30.58 UNCH	----	----	11	UNCH
03NOV17	----	----	----	----	----	24.08 UNCH	----	----	11	UNCH
06NOV17	----	----	----	----	----	27.88 UNCH	----	----	11	UNCH
07NOV17	----	----	----	----	----	32.69 UNCH	----	----	11	UNCH
08NOV17	----	----	----	----	----	39.71 UNCH	----	----	11	UNCH
09NOV17	----	----	----	----	----	39.63 UNCH	----	----	11	UNCH
10NOV17	----	----	----	----	----	49.88 UNCH	----	----	11	UNCH
13NOV17	----	----	----	----	----	42.31 UNCH	----	----	11	UNCH
14NOV17	----	----	----	----	----	42.62 UNCH	----	----	11	UNCH
15NOV17	----	----	----	----	----	40.67 UNCH	----	----	11	UNCH
16NOV17	----	----	----	----	----	35.38 UNCH	----	----	11	UNCH
17NOV17	----	----	----	----	----	36.30 + 3.62	----	----	11	UNCH
20NOV17	----	----	----	----	----	32.68 UNCH	----	----	11	UNCH
21NOV17	----	----	----	----	----	32.68 UNCH	----	----	11	UNCH
22NOV17	----	----	----	----	----	32.68 UNCH	----	----	11	UNCH
24NOV17	----	----	----	----	----	32.68 UNCH	----	----	11	UNCH
27NOV17	----	----	----	----	----	32.68 UNCH	----	----	11	UNCH
28NOV17	----	----	----	----	----	32.68 UNCH	----	----	11	UNCH
29NOV17	----	----	----	----	----	32.68 UNCH	----	----	11	UNCH
30NOV17	----	----	----	----	----	32.68 UNCH	----	----	11	UNCH
TOTAL JN FUT									220	11
KJ FUT	NYISO J									
NOV17	----	----	----	----	----	35.04 + 0.17	----	----	105	UNCH
DEC17	----	----	----	----	----	47.18 - 0.92	----	----	100	UNCH
TOTAL KJ FUT									205	
KK FUT	NYISO J OFF-PEAK									
NOV17	----	----	----	----	----	25.45 - 0.01	----	----	30	UNCH
DEC17	----	----	----	----	----	34.58 - 0.70	----	----	30	UNCH

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		GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
TOTAL	KK FUT							60	
LHV	FUT	NYISO LOW HUD VAL	CAP FUT						
DEC17		----	----	2.30	UNCH	----	----	13	UNCH
JAN18		----	----	2.30	UNCH	----	----	25	UNCH
FEB18		----	----	2.30	UNCH	----	----	25	UNCH
MAR18		----	----	2.30	UNCH	----	----	25	UNCH
APR18		----	----	2.30	UNCH	----	----	25	UNCH
MAY18		----	----	8.52	- 0.01	----	----	38	UNCH
JUN18		----	----	8.52	- 0.01	----	----	38	UNCH
JUL18		----	----	8.52	- 0.01	----	----	38	UNCH
AUG18		----	----	8.52	- 0.01	----	----	19	UNCH
SEP18		----	----	8.52	- 0.01	----	----	19	UNCH
OCT18		----	----	8.52	- 0.01	----	----	19	UNCH
NOV18		----	----	2.63	UNCH	----	----	21	UNCH
DEC18		----	----	2.63	UNCH	----	----	21	UNCH
JAN19		----	----	2.63	UNCH	----	----	11	UNCH
FEB19		----	----	2.63	UNCH	----	----	11	UNCH
MAR19		----	----	2.63	UNCH	----	----	11	UNCH
APR19		----	----	2.63	UNCH	----	----	11	UNCH
MAY19		----	----	8.20	UNCH	----	----	5	UNCH
JUN19		----	----	8.20	UNCH	----	----	5	UNCH
JUL19		----	----	8.20	UNCH	----	----	5	UNCH
AUG19		----	----	8.20	UNCH	----	----	5	UNCH
SEP19		----	----	8.20	UNCH	----	----	5	UNCH
OCT19		----	----	8.20	UNCH	----	----	5	UNCH
NOV19		----	----	2.60	UNCH	----	----	5	UNCH
DEC19		----	----	2.60	UNCH	----	----	5	UNCH
TOTAL	LHV FUT							410	
NNC	FUT	NYISO NYC IN-CITY CAPACITY	CAL MO						
DEC17		----	----	3.03	UNCH	----	----	150	UNCH
JAN18		----	----	3.03	UNCH	----	----	156	UNCH
FEB18		----	----	3.03	UNCH	----	----	156	UNCH
MAR18		----	----	3.03	UNCH	----	----	111	UNCH
APR18		----	----	3.03	UNCH	----	----	111	UNCH
MAY18		----	----	9.40	- 0.01	----	----	55	UNCH
JUN18		----	----	9.40	- 0.01	----	----	55	UNCH
JUL18		----	----	9.40	- 0.01	----	----	55	UNCH
AUG18		----	----	9.40	- 0.01	----	----	55	UNCH
SEP18		----	----	9.40	- 0.01	----	----	55	UNCH
OCT18		----	----	9.40	- 0.01	----	----	55	UNCH
NOV18		----	----	3.03	UNCH	----	----	31	UNCH
DEC18		----	----	3.03	UNCH	----	----	31	UNCH
JAN19		----	----	3.03	UNCH	----	----	25	UNCH
FEB19		----	----	3.03	UNCH	----	----	25	UNCH
MAR19		----	----	3.03	UNCH	----	----	25	UNCH
APR19		----	----	3.03	UNCH	----	----	25	UNCH
MAY19		----	----	9.64	UNCH	----	----	15	UNCH
JUN19		----	----	9.64	UNCH	----	----	15	UNCH
JUL19		----	----	9.64	UNCH	----	----	15	UNCH
AUG19		----	----	9.64	UNCH	----	----	15	UNCH
SEP19		----	----	9.64	UNCH	----	----	15	UNCH
OCT19		----	----	9.64	UNCH	----	----	15	UNCH
TOTAL	NNC FUT							1266	
NRS	FUT	NYISO REST OF STATE CAPACITY	CAL MO						
DEC17		----	----	0.23	UNCH	----	----	65	UNCH
JAN18		----	----	0.23	UNCH	----	----	143	UNCH
FEB18		----	----	0.23	UNCH	----	----	143	UNCH
MAR18		----	----	0.23	UNCH	----	----	143	UNCH
APR18		----	----	0.23	UNCH	----	----	143	UNCH
MAY18		----	----	1.88	UNCH	----	----	213	UNCH
JUN18		----	----	1.88	UNCH	----	----	213	UNCH
JUL18		----	----	1.88	UNCH	----	----	213	UNCH
AUG18		----	----	1.88	UNCH	----	----	213	UNCH
SEP18		----	----	1.88	UNCH	----	----	213	UNCH
OCT18		----	----	1.88	UNCH	----	----	213	UNCH
NOV18		----	----	0.63	UNCH	----	----	59	UNCH
DEC18		----	----	0.63	UNCH	----	----	59	UNCH
JAN19		----	----	0.63	UNCH	----	----	21	UNCH
FEB19		----	----	0.63	UNCH	----	----	21	UNCH
MAR19		----	----	0.63	UNCH	----	----	21	UNCH
APR19		----	----	0.63	UNCH	----	----	21	UNCH
MAY19		----	----	2.15	UNCH	----	----	9	UNCH
JUN19		----	----	2.15	UNCH	----	----	9	UNCH
JUL19		----	----	2.15	UNCH	----	----	9	UNCH
AUG19		----	----	2.15	UNCH	----	----	9	UNCH
SEP19		----	----	2.15	UNCH	----	----	9	UNCH
OCT19		----	----	2.15	UNCH	----	----	9	UNCH
NOV19		----	----	0.90	UNCH	----	----	6	UNCH
DEC19		----	----	0.90	UNCH	----	----	6	UNCH
JAN20		----	----	0.90	UNCH	----	----	6	UNCH
FEB20		----	----	0.90	UNCH	----	----	6	UNCH
MAR20		----	----	0.90	UNCH	----	----	6	UNCH
APR20		----	----	0.90	UNCH	----	----	6	UNCH
TOTAL	NRS FUT							2207	
K4	FUT	NYISO ZONE A 5MW D AH O PK							
DEC17		----	----	20.75	- 0.33	----	----	12720	UNCH
JAN18		----	----	28.77	- 0.48	----	----	5488	UNCH
FEB18		----	----	26.98	- 0.42	----	----	4928	UNCH
MAR18		----	----	22.75	- 0.05	----	----	5474	UNCH
APR18		----	----	16.10	- 0.05	----	----	5376	UNCH
MAY18		----	----	15.00	UNCH	----	----	5488	UNCH
JUN18		----	----	15.00	UNCH	----	----	5376	UNCH
JUL18		----	----	23.06	+ 0.01	----	----	5712	UNCH
AUG18		----	----	20.89	+ 0.04	----	----	5264	UNCH
SEP18		----	----	16.35	- 0.05	----	----	5824	UNCH
OCT18		----	----	15.60	- 0.05	----	----	5264	UNCH
NOV18		----	----	16.35	- 0.05	----	----	5390	UNCH
DEC18		----	----	21.00	UNCH	----	----	5936	UNCH
JAN19		----	----	26.04	- 0.09	----	----	784	UNCH
FEB19		----	----	23.95	- 0.07	----	----	704	UNCH
MAR19		----	----	21.75	+ 0.10	----	----	814	UNCH
APR19		----	----	16.00	+ 0.10	----	----	736	UNCH
MAY19		----	----	15.25	+ 0.10	----	----	784	UNCH
JUN19		----	----	15.25	+ 0.10	----	----	800	UNCH
JUL19		----	----	21.60	+ 0.12	----	----	784	UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
K4 FUT NYISO ZONE A 5MW D AH O PK							
AUG19	----	----	19.90 + 0.08	----	----	784	UNCH
SEP19	----	----	15.50 + 0.10	----	----	800	UNCH
OCT19	----	----	14.94 UNCH	----	----	752	UNCH
NOV19	----	----	16.50 - 0.01	----	----	802	UNCH
DEC19	----	----	20.31 + 0.01	----	----	816	UNCH
TOTAL K4 FUT						87600	
K3 FUT NYISO ZONE A 5MW D AH PK							
DEC17	----	----	31.95 - 0.68	----	----	400	UNCH
JAN18	----	----	42.30 + 0.20	----	----	396	UNCH
FEB18	----	----	39.30 - 1.25	----	----	360	UNCH
MAR18	----	----	32.13 - 0.17	----	----	396	UNCH
APR18	----	----	29.13 + 0.20	----	----	378	UNCH
MAY18	----	----	32.38 - 0.12	----	----	396	UNCH
JUN18	----	----	33.58 - 0.10	----	----	378	UNCH
JUL18	----	----	45.47 + 0.05	----	----	378	UNCH
AUG18	----	----	42.83 + 0.05	----	----	414	UNCH
SEP18	----	----	33.60 - 0.10	----	----	342	UNCH
OCT18	----	----	29.85 - 0.10	----	----	414	UNCH
NOV18	----	----	30.30 - 0.10	----	----	378	UNCH
DEC18	----	----	34.25 - 0.10	----	----	360	UNCH
JAN19	----	----	41.03 + 0.02	----	----	264	UNCH
FEB19	----	----	39.47 + 0.06	----	----	240	UNCH
MAR19	----	----	32.75 UNCH	----	----	252	UNCH
APR19	----	----	28.65 UNCH	----	----	264	UNCH
MAY19	----	----	31.15 UNCH	----	----	264	UNCH
JUN19	----	----	32.65 UNCH	----	----	240	UNCH
JUL19	----	----	43.02 + 0.01	----	----	264	UNCH
AUG19	----	----	40.68 - 0.01	----	----	264	UNCH
SEP19	----	----	32.00 UNCH	----	----	240	UNCH
OCT19	----	----	28.64 UNCH	----	----	276	UNCH
NOV19	----	----	28.09 - 0.01	----	----	240	UNCH
DEC19	----	----	31.77 + 0.01	----	----	252	UNCH
TOTAL K3 FUT						8050	
ZAO FUT NYISO ZONE A DA OP DAILY							
09NOV17	----	----	23.18 UNCH	----	----	0	240
10NOV17	----	----	18.29 UNCH	----	----	240	UNCH
11NOV17	----	----	37.25 UNCH	----	----	720	UNCH
12NOV17	----	----	28.46 UNCH	----	----	720	UNCH
13NOV17	----	----	20.40 UNCH	----	----	240	UNCH
14NOV17	----	----	15.98 UNCH	----	----	240	UNCH
15NOV17	----	----	18.67 UNCH	----	----	240	UNCH
16NOV17	----	----	12.18 UNCH	----	----	240	UNCH
17NOV17	----	----	14.43 - 2.05	----	----	240	UNCH
18NOV17	----	----	16.48 UNCH	----	----	720	UNCH
19NOV17	----	----	16.48 UNCH	----	----	720	UNCH
20NOV17	----	----	16.48 UNCH	----	----	240	UNCH
21NOV17	----	----	16.48 UNCH	----	----	240	UNCH
22NOV17	----	----	16.48 UNCH	----	----	240	UNCH
23NOV17	----	----	16.48 UNCH	----	----	720	UNCH
24NOV17	----	----	16.48 UNCH	----	----	240	UNCH
25NOV17	----	----	16.48 UNCH	----	----	720	UNCH
26NOV17	----	----	16.48 UNCH	----	----	720	UNCH
27NOV17	----	----	16.48 UNCH	----	----	240	UNCH
28NOV17	----	----	16.48 UNCH	----	----	240	UNCH
29NOV17	----	----	16.48 UNCH	----	----	240	UNCH
30NOV17	----	----	16.48 UNCH	----	----	240	UNCH
TOTAL ZAO FUT						8400	240
AN FUT NYISO ZONE A LBMP FUTURE							
01NOV17	----	----	27.07 UNCH	----	----	0	20
02NOV17	----	----	22.11 UNCH	----	----	20	UNCH
03NOV17	----	----	21.69 UNCH	----	----	20	UNCH
06NOV17	----	----	24.00 UNCH	----	----	20	UNCH
07NOV17	----	----	28.03 UNCH	----	----	20	UNCH
08NOV17	----	----	33.77 UNCH	----	----	20	UNCH
09NOV17	----	----	34.13 UNCH	----	----	20	UNCH
10NOV17	----	----	41.22 UNCH	----	----	20	UNCH
13NOV17	----	----	32.86 UNCH	----	----	20	UNCH
14NOV17	----	----	31.30 UNCH	----	----	20	UNCH
15NOV17	----	----	32.85 UNCH	----	----	20	UNCH
16NOV17	----	----	31.00 UNCH	----	----	20	UNCH
17NOV17	----	----	32.44 + 6.69	----	----	20	UNCH
20NOV17	----	----	25.75 UNCH	----	----	20	UNCH
21NOV17	----	----	25.75 UNCH	----	----	20	UNCH
22NOV17	----	----	25.75 UNCH	----	----	20	UNCH
24NOV17	----	----	25.75 UNCH	----	----	20	UNCH
27NOV17	----	----	25.75 UNCH	----	----	20	UNCH
28NOV17	----	----	25.75 UNCH	----	----	20	UNCH
29NOV17	----	----	25.75 UNCH	----	----	20	UNCH
30NOV17	----	----	25.75 UNCH	----	----	20	UNCH
TOTAL AN FUT						400	20
58 FUT NYISO ZONE E 5MW DAY AHEAD OFF-PEAK							
NOV17	----	----	19.49 - 0.09	----	----	1540	UNCH
DEC17	----	----	27.29 - 0.51	----	----	1696	UNCH
TOTAL 58 FUT						3236	
55 FUT NYISO ZONE E 5MW DAY AHEAD PEAK							
NOV17	----	----	29.79 + 0.26	----	----	84	UNCH
DEC17	----	----	38.42 - 1.08	----	----	80	UNCH
TOTAL 55 FUT						164	
4M FUT NYISO ZONE F 5MW DAY AHEAD OFF-PEAK							
JAN18	----	----	61.78 - 0.68	----	----	5880	UNCH
FEB18	----	----	56.65 - 0.75	----	----	5280	UNCH
MAR18	----	----	39.25 - 0.15	----	----	5865	UNCH
APR18	----	----	25.40 UNCH	----	----	5760	UNCH
MAY18	----	----	23.40 UNCH	----	----	5880	UNCH
JUN18	----	----	23.05 UNCH	----	----	5760	UNCH
JUL18	----	----	25.97 + 0.15	----	----	6120	UNCH
AUG18	----	----	25.23 + 0.15	----	----	5640	UNCH
SEP18	----	----	21.50 + 0.10	----	----	6240	UNCH
OCT18	----	----	21.00 - 0.25	----	----	5640	UNCH
NOV18	----	----	24.30 UNCH	----	----	5775	UNCH
DEC18	----	----	39.75 UNCH	----	----	6360	UNCH

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TOTAL	4M FUT						70200	
4L FUT		NYISO ZONE F 5MW DAY AHEAD PEAK						
	JAN18	----	----	76.08 - 0.47	----	----	330	UNCH
	FEB18	----	----	72.82 - 2.04	----	----	300	UNCH
	MAR18	----	----	50.20 - 0.40	----	----	330	UNCH
	APR18	----	----	34.45 + 0.30	----	----	315	UNCH
	MAY18	----	----	29.35 UNCH	----	----	330	UNCH
	JUN18	----	----	32.70 + 0.05	----	----	315	UNCH
	JUL18	----	----	38.40 + 0.10	----	----	315	UNCH
	AUG18	----	----	35.40 + 0.10	----	----	345	UNCH
	SEP18	----	----	30.50 UNCH	----	----	285	UNCH
	OCT18	----	----	29.65 + 0.40	----	----	345	UNCH
	NOV18	----	----	33.35 - 0.10	----	----	315	UNCH
	DEC18	----	----	49.50 - 0.35	----	----	300	UNCH
TOTAL	4L FUT						3825	
D2 FUT		NYISO ZONE G 5MW D AH O PK						
	DEC17	----	----	33.83 - 0.70	----	----	8904	UNCH
	JAN18	----	----	55.29 - 0.46	----	----	30184	UNCH
	FEB18	----	----	50.70 - 0.53	----	----	27104	UNCH
	MAR18	----	----	35.75 - 0.15	----	----	28152	UNCH
	APR18	----	----	24.90 UNCH	----	----	21888	UNCH
	MAY18	----	----	22.50 UNCH	----	----	22344	UNCH
	JUN18	----	----	22.65 UNCH	----	----	21888	UNCH
	JUL18	----	----	26.22 + 0.12	----	----	23256	UNCH
	AUG18	----	----	25.48 + 0.13	----	----	21432	UNCH
	SEP18	----	----	21.75 + 0.10	----	----	23712	UNCH
	OCT18	----	----	20.15 - 0.25	----	----	21432	UNCH
	NOV18	----	----	22.40 UNCH	----	----	21945	UNCH
	DEC18	----	----	36.35 UNCH	----	----	24168	UNCH
	JAN19	----	----	52.22 - 0.08	----	----	28616	UNCH
	FEB19	----	----	50.27 - 0.09	----	----	25696	UNCH
	MAR19	----	----	35.85 + 0.10	----	----	21571	UNCH
	APR19	----	----	24.00 + 0.25	----	----	19504	UNCH
	MAY19	----	----	21.25 + 0.25	----	----	20776	UNCH
	JUN19	----	----	21.25 + 0.25	----	----	21200	UNCH
	JUL19	----	----	24.88 + 0.26	----	----	20776	UNCH
	AUG19	----	----	24.12 + 0.24	----	----	20776	UNCH
	SEP19	----	----	21.00 + 0.25	----	----	21200	UNCH
	OCT19	----	----	19.41 + 0.29	----	----	19928	UNCH
	NOV19	----	----	22.85 + 0.30	----	----	21253	UNCH
	DEC19	----	----	34.98 + 0.46	----	----	21624	UNCH
TOTAL	D2 FUT						559329	
T3 FUT		NYISO ZONE G 5MW D AH PK						
	DEC17	----	----	44.90 - 1.48	----	----	540	UNCH
	JAN18	----	----	69.90 - 0.30	----	----	1584	UNCH
	FEB18	----	----	66.90 - 1.75	----	----	1440	UNCH
	MAR18	----	----	47.25 - 0.18	----	----	1914	UNCH
	APR18	----	----	34.38 + 0.23	----	----	1512	UNCH
	MAY18	----	----	31.58 - 0.07	----	----	1584	UNCH
	JUN18	----	----	34.15 - 0.08	----	----	1512	UNCH
	JUL18	----	----	41.55 + 0.26	----	----	1512	UNCH
	AUG18	----	----	38.30 + 0.24	----	----	1656	UNCH
	SEP18	----	----	33.00 UNCH	----	----	1368	UNCH
	OCT18	----	----	31.25 + 0.40	----	----	1656	UNCH
	NOV18	----	----	32.25 - 0.10	----	----	1512	UNCH
	DEC18	----	----	47.35 - 0.15	----	----	1440	UNCH
	JAN19	----	----	68.70 + 0.05	----	----	506	UNCH
	FEB19	----	----	66.80 + 0.03	----	----	460	UNCH
	MAR19	----	----	45.75 - 0.10	----	----	357	UNCH
	APR19	----	----	31.75 + 0.50	----	----	374	UNCH
	MAY19	----	----	29.25 + 0.25	----	----	374	UNCH
	JUN19	----	----	31.50 + 0.15	----	----	340	UNCH
	JUL19	----	----	40.23 + 0.53	----	----	506	UNCH
	AUG19	----	----	37.77 + 0.47	----	----	506	UNCH
	SEP19	----	----	31.00 + 0.50	----	----	340	UNCH
	OCT19	----	----	27.31 + 0.04	----	----	391	UNCH
	NOV19	----	----	31.77 + 0.08	----	----	340	UNCH
	DEC19	----	----	45.17 + 0.17	----	----	357	UNCH
	JAN20	----	----	71.48 + 0.89	----	----	110	UNCH
	FEB20	----	----	69.55 + 0.87	----	----	100	UNCH
	MAR20	----	----	45.47 + 0.68	----	----	110	UNCH
	APR20	----	----	29.47 + 0.46	----	----	110	UNCH
	MAY20	----	----	30.38 + 0.47	----	----	100	UNCH
	JUN20	----	----	30.48 + 0.47	----	----	110	UNCH
	JUL20	----	----	40.49 + 0.61	----	----	115	UNCH
	AUG20	----	----	38.00 + 0.58	----	----	105	UNCH
	SEP20	----	----	30.94 + 0.48	----	----	105	UNCH
	OCT20	----	----	28.09 + 0.44	----	----	110	UNCH
	NOV20	----	----	33.33 + 0.52	----	----	100	UNCH
	DEC20	----	----	48.52 + 0.73	----	----	110	UNCH
TOTAL	T3 FUT						25366	
ZGO FUT		NYISO ZONE G DA OP DAILY						
	09NOV17	----	----	28.86 UNCH	----	----	0	168
	10NOV17	----	----	31.51 UNCH	----	----	168	UNCH
	11NOV17	----	----	51.38 UNCH	----	----	504	UNCH
	12NOV17	----	----	35.07 UNCH	----	----	504	UNCH
	13NOV17	----	----	29.26 UNCH	----	----	168	UNCH
	14NOV17	----	----	32.71 UNCH	----	----	168	UNCH
	15NOV17	----	----	28.07 UNCH	----	----	168	UNCH
	16NOV17	----	----	22.51 UNCH	----	----	168	UNCH
	17NOV17	----	----	22.21 + 0.36	----	----	168	UNCH
	18NOV17	----	----	21.85 UNCH	----	----	504	UNCH
	19NOV17	----	----	21.85 UNCH	----	----	504	UNCH
	20NOV17	----	----	21.85 UNCH	----	----	168	UNCH
	21NOV17	----	----	21.85 UNCH	----	----	168	UNCH
	22NOV17	----	----	21.85 UNCH	----	----	168	UNCH
	23NOV17	----	----	21.85 UNCH	----	----	504	UNCH
	24NOV17	----	----	21.85 UNCH	----	----	168	UNCH
	25NOV17	----	----	21.85 UNCH	----	----	504	UNCH
	26NOV17	----	----	21.85 UNCH	----	----	504	UNCH
	27NOV17	----	----	21.85 UNCH	----	----	168	UNCH
	28NOV17	----	----	21.85 UNCH	----	----	168	UNCH
	29NOV17	----	----	21.85 UNCH	----	----	168	UNCH
	30NOV17	----	----	21.85 UNCH	----	----	168	UNCH

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Thu, Nov 16, 2017 PG61

		GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
TOTAL	ZGO FUT						5880	-	168
D4 FUT	NYISO ZONE J 5MW D AH O PK								
DEC17		----	----	34.58 - 0.70	----	----	2120		UNCH
JAN18		----	----	56.48 - 0.46	----	----	9800		UNCH
FEB18		----	----	52.12 - 0.46	----	----	8800		UNCH
MAR18		----	----	37.60 - 0.05	----	----	9775		UNCH
APR18		----	----	26.25 + 0.20	----	----	9600		UNCH
MAY18		----	----	24.10 + 0.20	----	----	9800		UNCH
JUN18		----	----	24.15 + 0.25	----	----	9600		UNCH
JUL18		----	----	28.20 + 0.17	----	----	10200		UNCH
AUG18		----	----	28.15 + 0.18	----	----	9400		UNCH
SEP18		----	----	22.90 + 0.25	----	----	10400		UNCH
OCT18		----	----	21.30 - 0.10	----	----	9400		UNCH
NOV18		----	----	23.40 + 0.25	----	----	9625		UNCH
DEC18		----	----	37.70 + 0.20	----	----	10600		UNCH
JAN19		----	----	54.72 + 0.34	----	----	11760		UNCH
FEB19		----	----	51.28 + 0.30	----	----	10560		UNCH
MAR19		----	----	37.85 + 0.20	----	----	12210		UNCH
APR19		----	----	25.50 + 0.40	----	----	11040		UNCH
MAY19		----	----	23.00 + 0.40	----	----	11760		UNCH
JUN19		----	----	22.85 + 0.45	----	----	12000		UNCH
JUL19		----	----	26.83 + 0.40	----	----	11760		UNCH
AUG19		----	----	26.67 + 0.40	----	----	11760		UNCH
SEP19		----	----	22.25 + 0.35	----	----	12000		UNCH
OCT19		----	----	21.81 + 0.44	----	----	11280		UNCH
NOV19		----	----	23.91 + 0.43	----	----	12030		UNCH
DEC19		----	----	35.73 + 0.64	----	----	12240		UNCH
JAN20		----	----	56.35 + 1.43	----	----	1176		UNCH
FEB20		----	----	56.65 + 1.44	----	----	1128		UNCH
MAR20		----	----	36.96 + 0.95	----	----	1173		UNCH
APR20		----	----	25.09 + 0.69	----	----	1104		UNCH
MAY20		----	----	23.19 + 0.61	----	----	1272		UNCH
JUN20		----	----	22.64 + 0.60	----	----	1104		UNCH
JUL20		----	----	27.50 + 0.75	----	----	1128		UNCH
AUG20		----	----	27.50 + 0.70	----	----	1224		UNCH
SEP20		----	----	21.49 + 0.57	----	----	1152		UNCH
OCT20		----	----	21.89 + 0.58	----	----	1176		UNCH
NOV20		----	----	24.19 + 0.63	----	----	1203		UNCH
DEC20		----	----	36.66 + 0.95	----	----	1176		UNCH
TOTAL	D4 FUT						273536		
D3 FUT	NYISO ZONE J 5MW D AH PK								
DEC17		----	----	47.18 - 0.92	----	----	220		UNCH
JAN18		----	----	73.65 - 0.25	----	----	1100		UNCH
FEB18		----	----	70.90 - 1.65	----	----	600		UNCH
MAR18		----	----	52.43 - 0.12	----	----	440		UNCH
APR18		----	----	37.93 + 0.43	----	----	420		UNCH
MAY18		----	----	35.33 - 0.02	----	----	440		UNCH
JUN18		----	----	37.88 - 0.02	----	----	630		UNCH
JUL18		----	----	47.02 + 0.28	----	----	840		UNCH
AUG18		----	----	43.18 + 0.27	----	----	920		UNCH
SEP18		----	----	36.00 UNCH	----	----	570		UNCH
OCT18		----	----	34.40 + 0.45	----	----	460		UNCH
NOV18		----	----	34.75 UNCH	----	----	420		UNCH
DEC18		----	----	50.60 - 0.15	----	----	400		UNCH
JAN19		----	----	74.18 + 0.31	----	----	660		UNCH
FEB19		----	----	70.32 + 0.27	----	----	600		UNCH
MAR19		----	----	50.90 - 0.05	----	----	630		UNCH
APR19		----	----	35.15 + 0.65	----	----	660		UNCH
MAY19		----	----	32.90 + 0.40	----	----	660		UNCH
JUN19		----	----	35.40 + 0.30	----	----	900		UNCH
JUL19		----	----	46.59 + 0.53	----	----	1100		UNCH
AUG19		----	----	41.91 + 0.47	----	----	990		UNCH
SEP19		----	----	34.10 + 0.45	----	----	600		UNCH
OCT19		----	----	30.54 + 0.01	----	----	690		UNCH
NOV19		----	----	32.80 + 0.02	----	----	600		UNCH
DEC19		----	----	50.20 + 0.11	----	----	630		UNCH
JAN20		----	----	75.97 + 0.80	----	----	176		UNCH
FEB20		----	----	72.76 + 0.77	----	----	160		UNCH
MAR20		----	----	51.89 + 0.67	----	----	176		UNCH
APR20		----	----	35.25 + 0.47	----	----	176		UNCH
MAY20		----	----	34.49 + 0.46	----	----	160		UNCH
JUN20		----	----	36.35 + 0.48	----	----	176		UNCH
JUL20		----	----	47.72 + 0.62	----	----	184		UNCH
AUG20		----	----	42.59 + 0.56	----	----	168		UNCH
SEP20		----	----	33.29 + 0.45	----	----	168		UNCH
OCT20		----	----	31.22 + 0.42	----	----	176		UNCH
NOV20		----	----	33.59 + 0.45	----	----	160		UNCH
DEC20		----	----	50.88 + 0.65	----	----	176		UNCH
TOTAL	D3 FUT						18236		
ZJO FUT	NYISO ZONE J DA OP DAILY								
09NOV17		----	----	29.22 UNCH	----	----	0	-	40
10NOV17		----	----	31.90 UNCH	----	----	40		UNCH
11NOV17		----	----	52.16 UNCH	----	----	120		UNCH
12NOV17		----	----	35.91 UNCH	----	----	120		UNCH
13NOV17		----	----	29.55 UNCH	----	----	40		UNCH
14NOV17		----	----	32.90 UNCH	----	----	40		UNCH
15NOV17		----	----	28.35 UNCH	----	----	40		UNCH
16NOV17		----	----	22.70 UNCH	----	----	40		UNCH
17NOV17		----	----	22.41 - 0.39	----	----	40		UNCH
18NOV17		----	----	22.80 UNCH	----	----	120		UNCH
19NOV17		----	----	22.80 UNCH	----	----	120		UNCH
20NOV17		----	----	22.80 UNCH	----	----	40		UNCH
21NOV17		----	----	22.80 UNCH	----	----	40		UNCH
22NOV17		----	----	22.80 UNCH	----	----	40		UNCH
23NOV17		----	----	22.80 UNCH	----	----	120		UNCH
24NOV17		----	----	22.80 UNCH	----	----	40		UNCH
25NOV17		----	----	22.80 UNCH	----	----	120		UNCH
26NOV17		----	----	22.80 UNCH	----	----	120		UNCH
27NOV17		----	----	22.80 UNCH	----	----	40		UNCH
28NOV17		----	----	22.80 UNCH	----	----	40		UNCH
29NOV17		----	----	22.80 UNCH	----	----	40		UNCH
30NOV17		----	----	22.80 UNCH	----	----	40		UNCH
TOTAL	ZJO FUT						1400	-	40
OFD FUT	ONTARIO OFF-PK CALENDAR DAY FUT								
08NOV17		----	----	6.73 UNCH	----	----	0	-	80

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
OFD FUT ONTARIO OFF-PK CALENDAR DAY FUT							
09NOV17	----	----	0.63 UNCH	----	----	80	UNCH
10NOV17	----	----	1.95 UNCH	----	----	80	UNCH
11NOV17	----	----	25.17 UNCH	----	----	240	UNCH
12NOV17	----	----	25.17 UNCH	----	----	240	UNCH
13NOV17	----	----	14.85 UNCH	----	----	80	UNCH
14NOV17	----	----	14.15 UNCH	----	----	80	UNCH
15NOV17	----	----	0.29 - 1.07	----	----	80	UNCH
16NOV17	----	----	1.47 - 7.03	----	----	80	UNCH
17NOV17	----	----	8.50 UNCH	----	----	80	UNCH
18NOV17	----	----	8.50 UNCH	----	----	240	UNCH
19NOV17	----	----	8.50 UNCH	----	----	240	UNCH
20NOV17	----	----	8.50 UNCH	----	----	80	UNCH
21NOV17	----	----	8.50 UNCH	----	----	80	UNCH
22NOV17	----	----	8.50 UNCH	----	----	80	UNCH
23NOV17	----	----	8.50 UNCH	----	----	240	UNCH
24NOV17	----	----	8.50 UNCH	----	----	80	UNCH
25NOV17	----	----	8.50 UNCH	----	----	240	UNCH
26NOV17	----	----	8.50 UNCH	----	----	240	UNCH
27NOV17	----	----	8.50 UNCH	----	----	80	UNCH
28NOV17	----	----	8.50 UNCH	----	----	80	UNCH
29NOV17	----	----	8.50 UNCH	----	----	80	UNCH
30NOV17	----	----	8.50 UNCH	----	----	80	UNCH
TOTAL OFD FUT						2880	- 80
OFM FUT ONTARIO OFF-PK CAL-MO FUT							
DEC17	----	----	14.62 - 0.77	----	----	4240	UNCH
TOTAL OFM FUT						4240	
OPD FUT ONTARIO PEAK CAL-DAY FUT							
08NOV17	----	----	20.44 UNCH	----	----	0	- 5
09NOV17	----	----	7.90 UNCH	----	----	5	UNCH
10NOV17	----	----	23.79 UNCH	----	----	5	UNCH
13NOV17	----	----	53.16 UNCH	----	----	5	UNCH
14NOV17	----	----	31.38 UNCH	----	----	5	UNCH
15NOV17	----	----	11.63 - 6.48	----	----	5	UNCH
16NOV17	----	----	15.10 - 4.65	----	----	5	UNCH
17NOV17	----	----	19.75 UNCH	----	----	5	UNCH
20NOV17	----	----	19.75 UNCH	----	----	5	UNCH
21NOV17	----	----	19.75 UNCH	----	----	5	UNCH
22NOV17	----	----	19.75 UNCH	----	----	5	UNCH
24NOV17	----	----	19.75 UNCH	----	----	5	UNCH
27NOV17	----	----	19.75 UNCH	----	----	5	UNCH
28NOV17	----	----	19.75 UNCH	----	----	5	UNCH
29NOV17	----	----	19.75 UNCH	----	----	5	UNCH
30NOV17	----	----	19.75 UNCH	----	----	5	UNCH
TOTAL OPD FUT						75	- 5
OPM FUT ONTARIO PEAK CAL-MONTH FUT							
DEC17	----	----	27.01 - 0.29	----	----	100	UNCH
TOTAL OPM FUT						100	
V3 FUT PJM AD HUB 5MW REAL TIME O PK							
DEC17	----	----	27.64 - 0.02	----	----	51304	UNCH
JAN18	----	----	33.11 - 0.28	----	----	12152	UNCH
FEB18	----	----	30.74 - 0.27	----	----	10912	UNCH
MAR18	----	----	29.76 + 0.16	----	----	12121	UNCH
APR18	----	----	26.29 + 0.14	----	----	11904	UNCH
MAY18	----	----	23.65 + 0.02	----	----	12152	UNCH
JUN18	----	----	23.36 + 0.11	----	----	11520	UNCH
JUL18	----	----	26.57 + 0.50	----	----	12240	UNCH
AUG18	----	----	23.83 + 0.45	----	----	11280	UNCH
SEP18	----	----	23.25 + 0.10	----	----	12480	UNCH
OCT18	----	----	22.63 + 0.04	----	----	11280	UNCH
NOV18	----	----	23.29 + 0.05	----	----	11550	UNCH
DEC18	----	----	28.33 + 0.06	----	----	12720	UNCH
JAN19	----	----	34.65 + 0.61	----	----	13328	UNCH
FEB19	----	----	31.22 + 0.57	----	----	11968	UNCH
MAR19	----	----	29.36 + 0.50	----	----	13838	UNCH
APR19	----	----	25.63 + 0.45	----	----	12512	UNCH
MAY19	----	----	22.51 + 0.37	----	----	12544	UNCH
JUN19	----	----	22.91 + 0.37	----	----	8800	UNCH
JUL19	----	----	25.88 + 0.45	----	----	8624	UNCH
AUG19	----	----	23.37 + 0.38	----	----	8624	UNCH
SEP19	----	----	22.51 + 0.37	----	----	8800	UNCH
OCT19	----	----	22.06 + 0.36	----	----	8272	UNCH
NOV19	----	----	22.46 + 0.37	----	----	8822	UNCH
DEC19	----	----	27.80 + 0.48	----	----	8976	UNCH
JAN20	----	----	35.91 + 1.42	----	----	2744	UNCH
FEB20	----	----	32.52 + 1.30	----	----	2632	UNCH
MAR20	----	----	29.14 + 1.14	----	----	2737	UNCH
APR20	----	----	25.34 + 1.01	----	----	2576	UNCH
MAY20	----	----	22.22 + 0.86	----	----	2968	UNCH
JUN20	----	----	22.74 + 0.87	----	----	2576	UNCH
JUL20	----	----	25.40 + 1.02	----	----	2632	UNCH
AUG20	----	----	23.00 + 0.88	----	----	2856	UNCH
SEP20	----	----	22.17 + 0.86	----	----	2688	UNCH
OCT20	----	----	21.80 + 0.84	----	----	2744	UNCH
NOV20	----	----	22.22 + 0.86	----	----	2807	UNCH
DEC20	----	----	27.58 + 1.09	----	----	2744	UNCH
JAN21	----	----	35.47 + 1.30	----	----	848	UNCH
FEB21	----	----	32.08 + 1.19	----	----	704	UNCH
MAR21	----	----	29.12 + 1.04	----	----	750	UNCH
APR21	----	----	25.27 + 0.93	----	----	736	UNCH
MAY21	----	----	22.09 + 0.78	----	----	848	UNCH
JUN21	----	----	22.68 + 0.80	----	----	736	UNCH
JUL21	----	----	25.32 + 0.93	----	----	816	UNCH
AUG21	----	----	22.94 + 0.81	----	----	784	UNCH
SEP21	----	----	22.09 + 0.78	----	----	768	UNCH
OCT21	----	----	21.67 + 0.77	----	----	816	UNCH
NOV21	----	----	22.09 + 0.78	----	----	770	UNCH
DEC21	----	----	27.27 + 0.99	----	----	752	UNCH
JAN22	----	----	35.27 + 1.30	----	----	408	UNCH
FEB22	----	----	31.78 + 1.19	----	----	352	UNCH
MAR22	----	----	28.92 + 1.04	----	----	375	UNCH
APR22	----	----	25.06 + 0.93	----	----	384	UNCH
MAY22	----	----	22.10 + 0.78	----	----	408	UNCH
JUN22	----	----	22.47 + 0.79	----	----	368	UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
V3 FUT						
	PJM AD HUB 5MW REAL TIME O PK					
JUL22	----	----	25.17 + 0.93	----	----	424 UNCH
AUG22	----	----	22.79 + 0.81	----	----	376 UNCH
SEP22	----	----	21.89 + 0.78	----	----	384 UNCH
OCT22	----	----	21.57 + 0.77	----	----	408 UNCH
NOV22	----	----	22.00 + 0.79	----	----	385 UNCH
DEC22	----	----	27.13 + 1.00	----	----	408 UNCH
TOTAL V3 FUT						365435
Z9 FUT						
	PJM AD HUB 5MW REAL TIME PK					
DEC17	----	----	33.84 - 0.20	----	----	1520 UNCH
JAN18	----	----	41.04 + 0.17	----	----	1210 UNCH
FEB18	----	----	38.96 - 0.57	----	----	1100 UNCH
MAR18	----	----	36.80 - 0.05	----	----	1012 UNCH
APR18	----	----	34.10 + 0.10	----	----	966 UNCH
MAY18	----	----	34.68 - 0.03	----	----	1012 UNCH
JUN18	----	----	35.05 - 0.04	----	----	714 UNCH
JUL18	----	----	40.14 + 0.21	----	----	714 UNCH
AUG18	----	----	36.56 + 0.19	----	----	782 UNCH
SEP18	----	----	34.60 + 0.27	----	----	646 UNCH
OCT18	----	----	32.77 + 0.35	----	----	782 UNCH
NOV18	----	----	33.17 + 0.40	----	----	714 UNCH
DEC18	----	----	34.18 + 0.37	----	----	680 UNCH
JAN19	----	----	42.93 + 1.50	----	----	308 UNCH
FEB19	----	----	40.44 + 1.40	----	----	280 UNCH
MAR19	----	----	37.54 + 1.25	----	----	504 UNCH
APR19	----	----	32.72 + 1.07	----	----	528 UNCH
MAY19	----	----	33.34 + 1.19	----	----	462 UNCH
JUN19	----	----	33.65 + 1.10	----	----	320 UNCH
JUL19	----	----	40.29 + 1.85	----	----	352 UNCH
AUG19	----	----	37.23 + 1.69	----	----	352 UNCH
SEP19	----	----	33.60 + 1.10	----	----	320 UNCH
OCT19	----	----	31.84 + 1.04	----	----	368 UNCH
NOV19	----	----	31.79 + 1.04	----	----	320 UNCH
DEC19	----	----	33.03 + 1.08	----	----	336 UNCH
JAN20	----	----	43.08 + 1.11	----	----	484 UNCH
FEB20	----	----	40.61 + 1.04	----	----	440 UNCH
MAR20	----	----	36.79 + 1.07	----	----	484 UNCH
APR20	----	----	32.21 + 0.94	----	----	484 UNCH
MAY20	----	----	31.79 + 0.92	----	----	440 UNCH
JUN20	----	----	33.03 + 0.96	----	----	484 UNCH
JUL20	----	----	38.85 + 1.13	----	----	506 UNCH
AUG20	----	----	35.35 + 1.03	----	----	462 UNCH
SEP20	----	----	32.00 + 0.93	----	----	462 UNCH
OCT20	----	----	29.68 + 0.87	----	----	484 UNCH
NOV20	----	----	29.94 + 0.88	----	----	440 UNCH
DEC20	----	----	32.31 + 0.94	----	----	484 UNCH
JAN21	----	----	44.11 + 1.05	----	----	40 UNCH
FEB21	----	----	41.55 + 0.99	----	----	40 UNCH
MAR21	----	----	35.45 + 0.83	----	----	46 UNCH
APR21	----	----	31.41 + 0.74	----	----	44 UNCH
MAY21	----	----	31.10 + 0.73	----	----	40 UNCH
JUN21	----	----	32.17 + 0.75	----	----	44 UNCH
JUL21	----	----	37.71 + 0.89	----	----	42 UNCH
AUG21	----	----	34.58 + 0.81	----	----	44 UNCH
SEP21	----	----	31.20 + 0.73	----	----	42 UNCH
OCT21	----	----	28.84 + 0.66	----	----	42 UNCH
NOV21	----	----	28.84 + 0.66	----	----	42 UNCH
DEC21	----	----	32.23 + 0.76	----	----	46 UNCH
JAN22	----	----	44.36 + 1.10	----	----	21 UNCH
FEB22	----	----	41.90 + 1.04	----	----	20 UNCH
MAR22	----	----	35.81 + 0.89	----	----	23 UNCH
APR22	----	----	31.66 + 0.79	----	----	21 UNCH
MAY22	----	----	31.25 + 0.78	----	----	21 UNCH
JUN22	----	----	32.48 + 0.81	----	----	22 UNCH
JUL22	----	----	38.01 + 0.94	----	----	20 UNCH
AUG22	----	----	35.04 + 0.87	----	----	23 UNCH
SEP22	----	----	31.40 + 0.78	----	----	21 UNCH
OCT22	----	----	29.10 + 0.72	----	----	21 UNCH
NOV22	----	----	29.10 + 0.72	----	----	21 UNCH
DEC22	----	----	31.66 + 0.79	----	----	21 UNCH
TOTAL Z9 FUT						22723
PWO FUT						
	PJM AEP DAYTON HUB DA OP DAILY					
09NOV17	----	----	29.94 UNCH	----	----	0 - 200
10NOV17	----	----	30.65 UNCH	----	----	200 UNCH
11NOV17	----	----	39.09 UNCH	----	----	600 UNCH
12NOV17	----	----	32.08 UNCH	----	----	600 UNCH
13NOV17	----	----	27.61 UNCH	----	----	200 UNCH
14NOV17	----	----	27.23 UNCH	----	----	200 UNCH
15NOV17	----	----	26.50 UNCH	----	----	200 UNCH
16NOV17	----	----	24.76 UNCH	----	----	200 UNCH
17NOV17	----	----	26.69 + 1.84	----	----	200 UNCH
18NOV17	----	----	24.85 UNCH	----	----	600 UNCH
19NOV17	----	----	24.85 UNCH	----	----	600 UNCH
20NOV17	----	----	24.85 UNCH	----	----	200 UNCH
21NOV17	----	----	24.85 UNCH	----	----	200 UNCH
22NOV17	----	----	24.85 UNCH	----	----	200 UNCH
23NOV17	----	----	24.85 UNCH	----	----	600 UNCH
24NOV17	----	----	24.85 UNCH	----	----	200 UNCH
25NOV17	----	----	24.85 UNCH	----	----	600 UNCH
26NOV17	----	----	24.85 UNCH	----	----	600 UNCH
27NOV17	----	----	24.85 UNCH	----	----	200 UNCH
28NOV17	----	----	24.85 UNCH	----	----	200 UNCH
29NOV17	----	----	24.85 UNCH	----	----	200 UNCH
30NOV17	----	----	24.85 UNCH	----	----	200 UNCH
TOTAL PWO FUT						7000 - 200
PAP FUT						
	PJM AEP DAYTON HUB DA PEAK DAILY					
09NOV17	----	----	43.81 UNCH	----	----	0 - 27
10NOV17	----	----	49.47 UNCH	----	----	27 UNCH
13NOV17	----	----	39.81 UNCH	----	----	27 UNCH
14NOV17	----	----	36.89 UNCH	----	----	27 UNCH
15NOV17	----	----	33.01 UNCH	----	----	27 UNCH
16NOV17	----	----	35.55 UNCH	----	----	27 UNCH
17NOV17	----	----	31.70 - 1.30	----	----	27 UNCH
20NOV17	----	----	31.00 - 2.50	----	----	27 UNCH
21NOV17	----	----	31.00 - 2.50	----	----	27 UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
PAM FUT	PJM AEP DAYTON HUB DA PEAK DAILY						
22NOV17	----	----	31.00 - 2.50	----	----	27	UNCH
24NOV17	----	----	31.00 - 2.50	----	----	27	UNCH
27NOV17	----	----	32.00 - 3.31	----	----	27	UNCH
28NOV17	----	----	32.00 - 3.31	----	----	27	UNCH
29NOV17	----	----	32.00 - 3.31	----	----	27	UNCH
30NOV17	----	----	32.00 - 3.31	----	----	27	UNCH
TOTAL PAM FUT						378	- 27
AOR FUT	PJM AEP DAYTON HUB RT OP DAILY						
08NOV17	----	----	30.03 UNCH	----	----	0	- 888
09NOV17	----	----	26.06 UNCH	----	----	888	UNCH
10NOV17	----	----	25.30 UNCH	----	----	888	UNCH
11NOV17	----	----	34.18 UNCH	----	----	2664	UNCH
12NOV17	----	----	30.07 UNCH	----	----	2664	UNCH
13NOV17	----	----	24.66 UNCH	----	----	888	UNCH
14NOV17	----	----	30.53 UNCH	----	----	888	UNCH
15NOV17	----	----	37.07 + 12.18	----	----	888	UNCH
16NOV17	----	----	24.89 UNCH	----	----	888	UNCH
17NOV17	----	----	24.89 UNCH	----	----	888	UNCH
18NOV17	----	----	24.89 UNCH	----	----	2664	UNCH
19NOV17	----	----	24.89 UNCH	----	----	2664	UNCH
20NOV17	----	----	24.89 UNCH	----	----	888	UNCH
21NOV17	----	----	24.89 UNCH	----	----	888	UNCH
22NOV17	----	----	24.89 UNCH	----	----	888	UNCH
23NOV17	----	----	24.89 UNCH	----	----	2664	UNCH
24NOV17	----	----	24.89 UNCH	----	----	888	UNCH
25NOV17	----	----	24.89 UNCH	----	----	2664	UNCH
26NOV17	----	----	24.89 UNCH	----	----	2664	UNCH
27NOV17	----	----	24.89 UNCH	----	----	888	UNCH
28NOV17	----	----	24.89 UNCH	----	----	888	UNCH
29NOV17	----	----	24.89 UNCH	----	----	888	UNCH
30NOV17	----	----	24.89 UNCH	----	----	888	UNCH
TOTAL AOR FUT						31968	- 888
MOD FUT	PJM ASTI ZONE PEAK DA MO						
NOV17	----	----	27.24 + 0.01	----	----	7700	UNCH
DEC17	----	----	29.38 + 0.02	----	----	8480	UNCH
JAN18	----	----	34.79 - 0.82	----	----	3920	UNCH
FEB18	----	----	32.18 - 0.73	----	----	3520	UNCH
MAR18	----	----	31.29 + 0.27	----	----	3910	UNCH
APR18	----	----	26.31 + 0.23	----	----	3840	UNCH
MAY18	----	----	24.67 + 0.07	----	----	3920	UNCH
TOTAL MOD FUT						35290	
MPD FUT	PJM ATSI ZONE MONTHLY DAILY						
NOV17	----	----	36.25 + 0.02	----	----	420	UNCH
DEC17	----	----	35.02 - 0.16	----	----	400	UNCH
JAN18	----	----	44.87 - 0.06	----	----	220	UNCH
FEB18	----	----	42.14 - 0.79	----	----	200	UNCH
MAR18	----	----	38.59 - 0.46	----	----	220	UNCH
APR18	----	----	35.03 - 0.12	----	----	210	UNCH
MAY18	----	----	35.45 UNCH	----	----	220	UNCH
TOTAL MPD FUT						1890	
R3 FUT	PJM BGE DA OFF-PEAK						
NOV17	----	----	28.98 UNCH	----	----	1925	UNCH
DEC17	----	----	32.57 - 0.20	----	----	2120	UNCH
JAN18	----	----	45.60 - 0.58	----	----	2744	UNCH
FEB18	----	----	44.22 - 0.56	----	----	2464	UNCH
MAR18	----	----	34.62 + 0.31	----	----	2737	UNCH
APR18	----	----	30.04 + 0.26	----	----	2688	UNCH
MAY18	----	----	26.93 + 0.08	----	----	2744	UNCH
JUN18	----	----	28.82 + 0.97	----	----	768	UNCH
JUL18	----	----	31.39 + 0.35	----	----	816	UNCH
AUG18	----	----	28.73 + 0.32	----	----	752	UNCH
SEP18	----	----	27.28 - 0.02	----	----	832	UNCH
OCT18	----	----	27.42 - 0.06	----	----	752	UNCH
NOV18	----	----	28.22 - 0.06	----	----	770	UNCH
DEC18	----	----	33.38 - 0.05	----	----	848	UNCH
TOTAL R3 FUT						22960	
E3 FUT	PJM BGE DA PEAK						
NOV17	----	----	37.45 - 0.13	----	----	105	UNCH
DEC17	----	----	39.95 - 0.49	----	----	100	UNCH
JAN18	----	----	55.09 - 0.18	----	----	154	UNCH
FEB18	----	----	52.15 - 0.49	----	----	140	UNCH
MAR18	----	----	42.40 - 0.50	----	----	154	UNCH
APR18	----	----	37.62 - 0.14	----	----	147	UNCH
MAY18	----	----	37.35 - 0.05	----	----	154	UNCH
JUN18	----	----	38.95 - 0.03	----	----	42	UNCH
JUL18	----	----	44.77 + 0.10	----	----	42	UNCH
AUG18	----	----	42.50 + 0.07	----	----	46	UNCH
SEP18	----	----	38.68 - 0.06	----	----	38	UNCH
OCT18	----	----	36.47 - 0.06	----	----	46	UNCH
NOV18	----	----	36.62 - 0.06	----	----	42	UNCH
DEC18	----	----	38.64 - 0.06	----	----	40	UNCH
TOTAL E3 FUT						1250	
D9 FUT	PJM COMED 5MW D AH O PK						
NOV17	----	----	23.33 - 0.02	----	----	1925	UNCH
DEC17	----	----	24.46 + 0.06	----	----	2120	UNCH
JAN18	----	----	30.50 - 0.27	----	----	1960	UNCH
FEB18	----	----	27.93 - 0.24	----	----	1760	UNCH
MAR18	----	----	26.35 - 0.63	----	----	1955	UNCH
APR18	----	----	23.08 + 0.19	----	----	1920	UNCH
MAY18	----	----	22.12 + 0.07	----	----	1960	UNCH
JUN18	----	----	22.46 + 0.76	----	----	1920	UNCH
JUL18	----	----	25.12 + 0.28	----	----	2040	UNCH
AUG18	----	----	22.31 + 0.25	----	----	1880	UNCH
SEP18	----	----	20.18 - 0.02	----	----	2080	UNCH
OCT18	----	----	19.84 - 0.04	----	----	1880	UNCH
NOV18	----	----	20.24 - 0.04	----	----	1925	UNCH
DEC18	----	----	23.85 - 0.04	----	----	2120	UNCH
TOTAL D9 FUT						27445	
D8 FUT	PJM COMED 5MW D AH PK						
NOV17	----	----	32.65 + 0.13	----	----	105	UNCH

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D8 FUT	PJM COMED 5MW D AH PK						
DEC17	----	----	31.43 - 0.37	----	----	100	UNCH
JAN18	----	----	39.19 - 0.13	----	----	110	UNCH
FEB18	----	----	37.09 - 0.84	----	----	100	UNCH
MAR18	----	----	32.91 - 0.24	----	----	110	UNCH
APR18	----	----	32.73 - 0.12	----	----	105	UNCH
MAY18	----	----	32.10 UNCH	----	----	110	UNCH
JUN18	----	----	32.85 - 0.03	----	----	105	UNCH
JUL18	----	----	38.71 + 0.23	----	----	105	UNCH
AUG18	----	----	35.34 + 0.20	----	----	115	UNCH
SEP18	----	----	32.78 - 0.02	----	----	95	UNCH
OCT18	----	----	30.28 - 0.05	----	----	115	UNCH
NOV18	----	----	30.38 - 0.05	----	----	105	UNCH
DEC18	----	----	31.80 - 0.05	----	----	100	UNCH
TOTAL D8 FUT						1480	
JD FUT	PJM DAILY						
14NOV17	----	----	29.86 UNCH	----	----	0	331
15NOV17	----	----	31.87 - 1.63	----	----	331	UNCH
16NOV17	----	----	34.50 UNCH	----	----	331	UNCH
17NOV17	----	----	31.63 - 1.87	----	----	331	UNCH
20NOV17	----	----	30.75 - 2.13	----	----	331	UNCH
21NOV17	----	----	30.75 - 2.13	----	----	331	UNCH
22NOV17	----	----	30.75 - 2.13	----	----	331	UNCH
24NOV17	----	----	30.75 - 2.13	----	----	331	UNCH
27NOV17	----	----	35.25 + 0.56	----	----	331	UNCH
28NOV17	----	----	35.25 + 0.56	----	----	331	UNCH
29NOV17	----	----	35.25 + 0.56	----	----	331	UNCH
30NOV17	----	----	35.25 + 0.56	----	----	331	UNCH
TOTAL JD FUT						3641	331
R7 FUT	PJM DAYTON DA OFF-PEAK						
DEC17	----	----	27.64 - 0.02	----	----	10600	UNCH
JAN18	----	----	33.11 - 0.28	----	----	8232	UNCH
FEB18	----	----	30.74 - 0.27	----	----	7392	UNCH
MAR18	----	----	29.76 + 0.16	----	----	8211	UNCH
APR18	----	----	26.29 + 0.14	----	----	8064	UNCH
MAY18	----	----	23.65 + 0.02	----	----	8232	UNCH
JUN18	----	----	23.36 + 0.11	----	----	3072	UNCH
JUL18	----	----	26.57 + 0.50	----	----	3264	UNCH
AUG18	----	----	23.83 + 0.45	----	----	3008	UNCH
SEP18	----	----	23.25 + 0.10	----	----	3328	UNCH
OCT18	----	----	22.63 + 0.04	----	----	3008	UNCH
NOV18	----	----	23.29 + 0.05	----	----	3080	UNCH
DEC18	----	----	28.33 + 0.06	----	----	3392	UNCH
JAN19	----	----	34.65 + 0.61	----	----	1960	UNCH
FEB19	----	----	31.22 + 0.57	----	----	1760	UNCH
MAR19	----	----	29.36 + 0.50	----	----	2035	UNCH
APR19	----	----	25.63 + 0.45	----	----	1840	UNCH
MAY19	----	----	22.51 + 0.37	----	----	1960	UNCH
JUN19	----	----	22.91 + 0.37	----	----	2000	UNCH
JUL19	----	----	25.88 + 0.45	----	----	1960	UNCH
AUG19	----	----	23.37 + 0.38	----	----	1960	UNCH
SEP19	----	----	22.51 + 0.37	----	----	2000	UNCH
OCT19	----	----	22.06 + 0.36	----	----	1880	UNCH
NOV19	----	----	22.46 + 0.37	----	----	2005	UNCH
DEC19	----	----	27.80 + 0.48	----	----	2040	UNCH
JAN20	----	----	35.91 + 1.42	----	----	3920	UNCH
FEB20	----	----	32.52 + 1.30	----	----	3760	UNCH
MAR20	----	----	29.14 + 1.14	----	----	3910	UNCH
APR20	----	----	25.34 + 1.01	----	----	3680	UNCH
MAY20	----	----	22.22 + 0.86	----	----	4240	UNCH
JUN20	----	----	22.74 + 0.87	----	----	3680	UNCH
JUL20	----	----	25.40 + 1.02	----	----	3760	UNCH
AUG20	----	----	23.00 + 0.88	----	----	4080	UNCH
SEP20	----	----	22.17 + 0.86	----	----	3840	UNCH
OCT20	----	----	21.80 + 0.84	----	----	3920	UNCH
NOV20	----	----	22.22 + 0.86	----	----	4010	UNCH
DEC20	----	----	27.58 + 1.09	----	----	3920	UNCH
TOTAL R7 FUT						143003	
D7 FUT	PJM DAYTON DA PEAK						
DEC17	----	----	33.94 - 0.20	----	----	540	UNCH
JAN18	----	----	41.14 + 0.17	----	----	396	UNCH
FEB18	----	----	39.06 - 0.57	----	----	360	UNCH
MAR18	----	----	36.90 - 0.05	----	----	396	UNCH
APR18	----	----	34.20 + 0.10	----	----	378	UNCH
MAY18	----	----	34.78 - 0.03	----	----	396	UNCH
JUN18	----	----	35.15 - 0.04	----	----	525	UNCH
JUL18	----	----	40.24 + 0.21	----	----	525	UNCH
AUG18	----	----	36.66 + 0.19	----	----	575	UNCH
SEP18	----	----	34.70 + 0.27	----	----	475	UNCH
OCT18	----	----	32.87 + 0.35	----	----	575	UNCH
NOV18	----	----	33.27 + 0.40	----	----	525	UNCH
DEC18	----	----	34.28 + 0.37	----	----	500	UNCH
JAN19	----	----	43.03 + 1.50	----	----	220	UNCH
FEB19	----	----	40.54 + 1.40	----	----	200	UNCH
MAR19	----	----	37.64 + 1.25	----	----	210	UNCH
APR19	----	----	32.82 + 1.07	----	----	220	UNCH
MAY19	----	----	33.44 + 1.19	----	----	220	UNCH
JUN19	----	----	33.75 + 1.10	----	----	200	UNCH
JUL19	----	----	40.39 + 1.85	----	----	220	UNCH
AUG19	----	----	37.33 + 1.69	----	----	220	UNCH
SEP19	----	----	33.70 + 1.10	----	----	200	UNCH
OCT19	----	----	31.94 + 1.04	----	----	230	UNCH
NOV19	----	----	31.89 + 1.04	----	----	200	UNCH
DEC19	----	----	33.13 + 1.08	----	----	210	UNCH
JAN20	----	----	43.18 + 1.11	----	----	220	UNCH
FEB20	----	----	40.71 + 1.04	----	----	200	UNCH
MAR20	----	----	36.89 + 1.07	----	----	220	UNCH
APR20	----	----	32.31 + 0.94	----	----	220	UNCH
MAY20	----	----	31.89 + 0.92	----	----	200	UNCH
JUN20	----	----	33.13 + 0.96	----	----	220	UNCH
JUL20	----	----	38.95 + 1.13	----	----	230	UNCH
AUG20	----	----	35.45 + 1.03	----	----	210	UNCH
SEP20	----	----	32.10 + 0.93	----	----	210	UNCH
OCT20	----	----	29.78 + 0.87	----	----	220	UNCH
NOV20	----	----	30.04 + 0.88	----	----	200	UNCH

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D7 FUT	PJM DAYTON DA PEAK							
DEC20	----	----	32.41	+ 0.94	----	----	220	UNCH
TOTAL D7 FUT							11286	
46 FUT	PJM METED ZONE OFFPK CAL LMP							
NOV17	----	----	23.51	+ 0.03	----	----	1925	UNCH
DEC17	----	----	29.24	- 0.17	----	----	2120	UNCH
JAN18	----	----	40.47	- 0.52	----	----	784	UNCH
FEB18	----	----	37.21	- 0.49	----	----	704	UNCH
MAR18	----	----	29.02	+ 0.25	----	----	782	UNCH
APR18	----	----	23.89	+ 0.21	----	----	768	UNCH
MAY18	----	----	20.61	+ 0.06	----	----	784	UNCH
JUN18	----	----	21.32	+ 0.72	----	----	768	UNCH
JUL18	----	----	25.07	+ 0.28	----	----	816	UNCH
AUG18	----	----	22.46	+ 0.25	----	----	752	UNCH
SEP18	----	----	20.68	- 0.02	----	----	832	UNCH
OCT18	----	----	19.99	- 0.04	----	----	752	UNCH
NOV18	----	----	20.98	- 0.05	----	----	770	UNCH
DEC18	----	----	26.29	- 0.05	----	----	848	UNCH
JAN19	----	----	41.16	+ 0.97	----	----	784	UNCH
FEB19	----	----	36.38	+ 0.87	----	----	704	UNCH
MAR19	----	----	28.30	+ 1.18	----	----	814	UNCH
APR19	----	----	23.19	+ 0.99	----	----	736	UNCH
MAY19	----	----	18.78	+ 0.78	----	----	784	UNCH
JUN19	----	----	20.13	+ 0.84	----	----	800	UNCH
JUL19	----	----	23.97	+ 0.90	----	----	784	UNCH
AUG19	----	----	21.45	+ 0.77	----	----	784	UNCH
SEP19	----	----	19.88	+ 0.83	----	----	800	UNCH
OCT19	----	----	20.38	+ 0.75	----	----	752	UNCH
NOV19	----	----	20.28	+ 0.74	----	----	802	UNCH
DEC19	----	----	26.18	+ 1.00	----	----	816	UNCH
JAN20	----	----	40.83	+ 1.49	----	----	784	UNCH
FEB20	----	----	36.57	+ 1.43	----	----	752	UNCH
MAR20	----	----	28.69	+ 1.11	----	----	782	UNCH
APR20	----	----	23.71	+ 0.94	----	----	736	UNCH
MAY20	----	----	20.46	+ 0.79	----	----	848	UNCH
JUN20	----	----	21.45	+ 0.82	----	----	736	UNCH
JUL20	----	----	23.72	+ 0.94	----	----	752	UNCH
AUG20	----	----	21.03	+ 0.81	----	----	816	UNCH
SEP20	----	----	20.35	+ 0.78	----	----	768	UNCH
OCT20	----	----	19.42	+ 0.76	----	----	784	UNCH
NOV20	----	----	19.47	+ 0.76	----	----	802	UNCH
DEC20	----	----	24.60	+ 0.97	----	----	784	UNCH
TOTAL 46 FUT							32109	
47 FUT	PJM METED ZONE PEAK CAL LMP							
NOV17	----	----	31.86	+ 0.25	----	----	105	UNCH
DEC17	----	----	36.36	- 0.45	----	----	100	UNCH
JAN18	----	----	51.19	- 0.15	----	----	44	UNCH
FEB18	----	----	49.67	- 0.46	----	----	40	UNCH
MAR18	----	----	36.07	- 0.43	----	----	44	UNCH
APR18	----	----	30.44	- 0.11	----	----	42	UNCH
MAY18	----	----	30.76	- 0.04	----	----	44	UNCH
JUN18	----	----	31.60	- 0.03	----	----	42	UNCH
JUL18	----	----	39.11	+ 0.08	----	----	42	UNCH
AUG18	----	----	37.04	+ 0.05	----	----	46	UNCH
SEP18	----	----	30.48	- 0.01	----	----	38	UNCH
OCT18	----	----	28.94	- 0.04	----	----	46	UNCH
NOV18	----	----	30.03	- 0.05	----	----	42	UNCH
DEC18	----	----	34.50	- 0.05	----	----	40	UNCH
JAN19	----	----	51.70	+ 1.33	----	----	44	UNCH
FEB19	----	----	49.38	+ 1.31	----	----	40	UNCH
MAR19	----	----	34.89	+ 0.77	----	----	42	UNCH
APR19	----	----	28.78	+ 0.62	----	----	44	UNCH
MAY19	----	----	28.09	+ 0.70	----	----	44	UNCH
JUN19	----	----	28.47	+ 0.61	----	----	40	UNCH
JUL19	----	----	36.74	+ 1.56	----	----	44	UNCH
AUG19	----	----	35.09	+ 1.45	----	----	44	UNCH
SEP19	----	----	27.65	+ 0.59	----	----	40	UNCH
OCT19	----	----	26.43	+ 1.10	----	----	46	UNCH
NOV19	----	----	27.37	+ 1.14	----	----	40	UNCH
DEC19	----	----	32.65	+ 1.40	----	----	42	UNCH
JAN20	----	----	50.22	+ 1.27	----	----	44	UNCH
FEB20	----	----	47.85	+ 1.20	----	----	40	UNCH
MAR20	----	----	32.97	+ 0.95	----	----	44	UNCH
APR20	----	----	27.97	+ 0.81	----	----	44	UNCH
MAY20	----	----	27.09	+ 0.78	----	----	40	UNCH
JUN20	----	----	28.53	+ 0.82	----	----	44	UNCH
JUL20	----	----	34.82	+ 1.03	----	----	46	UNCH
AUG20	----	----	33.42	+ 0.93	----	----	42	UNCH
SEP20	----	----	28.07	+ 0.80	----	----	42	UNCH
OCT20	----	----	26.52	+ 0.76	----	----	44	UNCH
NOV20	----	----	26.72	+ 0.76	----	----	40	UNCH
DEC20	----	----	29.56	+ 0.84	----	----	44	UNCH
TOTAL 47 FUT							1739	
JM FUT	PJM MONTHLY							
NOV17	----	----	32.85	- 0.98	----	----	182	UNCH
DEC17	----	----	35.32	- 0.50	----	----	236	UNCH
JAN18	----	----	46.40	- 0.57	----	----	30	UNCH
FEB18	----	----	45.26	- 0.42	----	----	30	UNCH
MAR18	----	----	38.00	- 0.45	----	----	30	UNCH
APR18	----	----	33.88	- 0.12	----	----	30	UNCH
MAY18	----	----	34.10	- 0.05	----	----	30	UNCH
JUN18	----	----	34.45	- 0.03	----	----	30	UNCH
JUL18	----	----	39.26	+ 0.08	----	----	110	UNCH
AUG18	----	----	36.49	+ 0.05	----	----	110	UNCH
SEP18	----	----	33.93	- 0.03	----	----	190	UNCH
OCT18	----	----	32.33	- 0.05	----	----	70	UNCH
NOV18	----	----	32.43	- 0.05	----	----	70	UNCH
DEC18	----	----	34.55	- 0.05	----	----	70	UNCH
JAN19	----	----	48.16	+ 1.23	----	----	40	UNCH
FEB19	----	----	45.84	+ 1.22	----	----	40	UNCH
MAR19	----	----	37.65	+ 0.83	----	----	40	UNCH
APR19	----	----	32.61	+ 0.70	----	----	40	UNCH
MAY19	----	----	32.45	+ 0.79	----	----	40	UNCH
JUN19	----	----	32.92	+ 0.71	----	----	40	UNCH
JUL19	----	----	39.19	+ 1.67	----	----	40	UNCH

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ENERGY FUTURES PRODUCTS

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
JM FUT	PJM MONTHLY							
AUG19	----	----	36.81 + 1.53		----	----	40	UNCH
SEP19	----	----	31.94 + 0.68		----	----	40	UNCH
OCT19	----	----	30.92 + 1.30		----	----	40	UNCH
NOV19	----	----	30.92 + 1.30		----	----	40	UNCH
DEC19	----	----	34.16 + 1.46		----	----	40	UNCH
TOTAL JM FUT							1698	
B6 FUT	PJM NI HUB 5MW REAL TIME O PK							
DEC17	----	----	24.35 UNCH		----	----	70808	UNCH
JAN18	----	----	27.97 - 0.33		----	----	44688	UNCH
FEB18	----	----	27.58 - 0.27		----	----	40128	UNCH
MAR18	----	----	26.84 + 0.14		----	----	48484	UNCH
APR18	----	----	21.81 + 0.11		----	----	47616	UNCH
MAY18	----	----	20.34 + 0.04		----	----	44688	UNCH
JUN18	----	----	20.24 + 0.11		----	----	51456	UNCH
JUL18	----	----	23.53 + 0.50		----	----	54672	UNCH
AUG18	----	----	20.62 + 0.40		----	----	50384	UNCH
SEP18	----	----	19.75 + 0.10		----	----	55744	UNCH
OCT18	----	----	20.05 + 0.06		----	----	50384	UNCH
NOV18	----	----	20.70 + 0.05		----	----	51590	UNCH
DEC18	----	----	22.56 + 0.05		----	----	56816	UNCH
JAN19	----	----	32.81 + 0.58		----	----	7448	UNCH
FEB19	----	----	30.27 + 0.53		----	----	6688	UNCH
MAR19	----	----	25.81 + 0.46		----	----	7733	UNCH
APR19	----	----	21.35 + 0.39		----	----	6992	UNCH
MAY19	----	----	19.98 + 0.37		----	----	7448	UNCH
JUN19	----	----	20.28 + 0.37		----	----	7600	UNCH
JUL19	----	----	22.01 + 0.40		----	----	7448	UNCH
AUG19	----	----	20.33 + 0.37		----	----	7448	UNCH
SEP19	----	----	19.93 + 0.37		----	----	7600	UNCH
OCT19	----	----	17.85 + 0.34		----	----	7144	UNCH
NOV19	----	----	19.83 + 0.37		----	----	7619	UNCH
DEC19	----	----	23.32 + 0.42		----	----	7752	UNCH
TOTAL B6 FUT							756378	
B3 FUT	PJM NI HUB 5MW REAL TIME PK							
DEC17	----	----	31.41 - 0.13		----	----	2400	UNCH
JAN18	----	----	37.97 + 0.28		----	----	2618	UNCH
FEB18	----	----	35.78 - 0.48		----	----	2380	UNCH
MAR18	----	----	32.90 - 0.15		----	----	2838	UNCH
APR18	----	----	32.15 UNCH		----	----	2709	UNCH
MAY18	----	----	32.03 - 0.03		----	----	2838	UNCH
JUN18	----	----	32.55 - 0.04		----	----	1869	UNCH
JUL18	----	----	37.86 + 0.21		----	----	1869	UNCH
AUG18	----	----	34.94 + 0.19		----	----	2047	UNCH
SEP18	----	----	31.85 + 0.27		----	----	1691	UNCH
OCT18	----	----	30.10 + 0.36		----	----	2047	UNCH
NOV18	----	----	30.25 + 0.41		----	----	1869	UNCH
DEC18	----	----	31.16 + 0.37		----	----	1780	UNCH
JAN19	----	----	38.82 + 1.35		----	----	308	UNCH
FEB19	----	----	37.68 + 1.30		----	----	280	UNCH
MAR19	----	----	34.17 + 1.13		----	----	294	UNCH
APR19	----	----	31.17 + 1.01		----	----	308	UNCH
MAY19	----	----	31.74 + 1.14		----	----	308	UNCH
JUN19	----	----	31.27 + 1.02		----	----	580	UNCH
JUL19	----	----	37.94 + 1.76		----	----	638	UNCH
AUG19	----	----	35.46 + 1.62		----	----	638	UNCH
SEP19	----	----	30.70 + 0.99		----	----	580	UNCH
OCT19	----	----	29.51 + 0.95		----	----	322	UNCH
NOV19	----	----	29.31 + 0.95		----	----	280	UNCH
DEC19	----	----	31.53 + 1.03		----	----	294	UNCH
TOTAL B3 FUT							33785	
L3 FUT	PJM NILL DA OFF-PEAK							
DEC17	----	----	24.40 UNCH		----	----	124656	UNCH
JAN18	----	----	28.02 - 0.33		----	----	52528	UNCH
FEB18	----	----	27.63 - 0.27		----	----	47168	UNCH
MAR18	----	----	26.89 + 0.14		----	----	53176	UNCH
APR18	----	----	21.86 + 0.11		----	----	51840	UNCH
MAY18	----	----	20.39 + 0.04		----	----	53312	UNCH
JUN18	----	----	20.29 + 0.11		----	----	18048	UNCH
JUL18	----	----	23.58 + 0.50		----	----	19176	UNCH
AUG18	----	----	20.67 + 0.40		----	----	17672	UNCH
SEP18	----	----	19.80 + 0.10		----	----	19968	UNCH
OCT18	----	----	20.10 + 0.06		----	----	17672	UNCH
NOV18	----	----	20.75 + 0.05		----	----	17710	UNCH
DEC18	----	----	22.61 + 0.05		----	----	19504	UNCH
JAN19	----	----	32.86 + 0.58		----	----	13328	UNCH
FEB19	----	----	30.32 + 0.53		----	----	11968	UNCH
MAR19	----	----	25.86 + 0.46		----	----	13838	UNCH
APR19	----	----	21.40 + 0.39		----	----	12512	UNCH
MAY19	----	----	20.03 + 0.37		----	----	13328	UNCH
JUN19	----	----	20.33 + 0.37		----	----	13600	UNCH
JUL19	----	----	22.06 + 0.40		----	----	13328	UNCH
AUG19	----	----	20.38 + 0.37		----	----	13328	UNCH
SEP19	----	----	19.98 + 0.37		----	----	13600	UNCH
OCT19	----	----	17.90 + 0.34		----	----	12784	UNCH
NOV19	----	----	19.88 + 0.37		----	----	13634	UNCH
DEC19	----	----	23.37 + 0.42		----	----	13872	UNCH
TOTAL L3 FUT							671550	
N3 FUT	PJM NILL DA PEAK							
DEC17	----	----	31.41 - 0.13		----	----	4340	UNCH
JAN18	----	----	37.97 + 0.28		----	----	2398	UNCH
FEB18	----	----	35.78 - 0.48		----	----	2180	UNCH
MAR18	----	----	32.90 - 0.15		----	----	2398	UNCH
APR18	----	----	32.15 UNCH		----	----	2289	UNCH
MAY18	----	----	32.03 - 0.03		----	----	2398	UNCH
JUN18	----	----	32.55 - 0.04		----	----	1197	UNCH
JUL18	----	----	37.86 + 0.21		----	----	1155	UNCH
AUG18	----	----	34.94 + 0.19		----	----	1265	UNCH
SEP18	----	----	31.85 + 0.27		----	----	1026	UNCH
OCT18	----	----	30.10 + 0.36		----	----	1265	UNCH
NOV18	----	----	30.25 + 0.41		----	----	1155	UNCH
DEC18	----	----	31.16 + 0.37		----	----	1100	UNCH
JAN19	----	----	38.82 + 1.35		----	----	858	UNCH
FEB19	----	----	37.68 + 1.30		----	----	780	UNCH

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N3 FUT	PJM NILL DA PEAK							
MAR19	----	----	34.17 + 1.13		----	----	819	UNCH
APR19	----	----	31.17 + 1.01		----	----	858	UNCH
MAY19	----	----	31.74 + 1.14		----	----	858	UNCH
JUN19	----	----	31.27 + 1.02		----	----	780	UNCH
JUL19	----	----	37.94 + 1.76		----	----	858	UNCH
AUG19	----	----	35.46 + 1.62		----	----	858	UNCH
SEP19	----	----	30.70 + 0.99		----	----	780	UNCH
OCT19	----	----	29.51 + 0.95		----	----	897	UNCH
NOV19	----	----	29.31 + 0.95		----	----	780	UNCH
DEC19	----	----	31.53 + 1.03		----	----	819	UNCH
TOTAL N3 FUT							34111	
PNO FUT	PJM NORTERN ILL HUB DA OP DAILY							
09NOV17	----	----	22.72 UNCH		----	----	0	- 2352
10NOV17	----	----	27.74 UNCH		----	----	2352	UNCH
11NOV17	----	----	33.07 UNCH		----	----	7056	UNCH
12NOV17	----	----	29.14 UNCH		----	----	7056	UNCH
13NOV17	----	----	24.15 UNCH		----	----	2352	UNCH
14NOV17	----	----	22.40 UNCH		----	----	2352	UNCH
15NOV17	----	----	17.55 UNCH		----	----	2352	UNCH
16NOV17	----	----	23.31 UNCH		----	----	2352	UNCH
17NOV17	----	----	21.76 + 0.44		----	----	2352	UNCH
18NOV17	----	----	21.32 UNCH		----	----	7056	UNCH
19NOV17	----	----	21.32 UNCH		----	----	7056	UNCH
20NOV17	----	----	21.32 UNCH		----	----	2352	UNCH
21NOV17	----	----	21.32 UNCH		----	----	2352	UNCH
22NOV17	----	----	21.32 UNCH		----	----	2352	UNCH
23NOV17	----	----	21.32 UNCH		----	----	7056	UNCH
24NOV17	----	----	21.32 UNCH		----	----	2352	UNCH
25NOV17	----	----	21.32 UNCH		----	----	7056	UNCH
26NOV17	----	----	21.32 UNCH		----	----	7056	UNCH
27NOV17	----	----	21.32 UNCH		----	----	2352	UNCH
28NOV17	----	----	21.32 UNCH		----	----	2352	UNCH
29NOV17	----	----	21.32 UNCH		----	----	2352	UNCH
30NOV17	----	----	21.32 UNCH		----	----	2352	UNCH
TOTAL PNO FUT							82320	- 2352
PNP FUT	PJM NORTERN ILL HUB DA PEAK DAILY							
09NOV17	----	----	39.09 UNCH		----	----	0	- 219
10NOV17	----	----	47.61 UNCH		----	----	219	UNCH
13NOV17	----	----	38.25 UNCH		----	----	219	UNCH
14NOV17	----	----	35.73 UNCH		----	----	219	UNCH
15NOV17	----	----	32.01 UNCH		----	----	219	UNCH
16NOV17	----	----	35.85 UNCH		----	----	219	UNCH
17NOV17	----	----	31.43 + 0.93		----	----	219	UNCH
20NOV17	----	----	30.00 - 2.00		----	----	219	UNCH
21NOV17	----	----	30.00 - 2.00		----	----	219	UNCH
22NOV17	----	----	30.00 - 2.00		----	----	219	UNCH
24NOV17	----	----	30.00 - 2.00		----	----	219	UNCH
27NOV17	----	----	30.00 - 2.38		----	----	219	UNCH
28NOV17	----	----	30.00 - 2.38		----	----	219	UNCH
29NOV17	----	----	30.00 - 2.38		----	----	219	UNCH
30NOV17	----	----	30.00 - 2.38		----	----	219	UNCH
TOTAL PNP FUT							3066	- 219
NOC FUT	PJM NORTERN ILL HUB RT OP DAILY							
08NOV17	----	----	26.18 UNCH		----	----	0	- 2016
09NOV17	----	----	22.80 UNCH		----	----	2016	UNCH
10NOV17	----	----	23.88 UNCH		----	----	2016	UNCH
11NOV17	----	----	29.09 UNCH		----	----	6048	UNCH
12NOV17	----	----	27.09 UNCH		----	----	6048	UNCH
13NOV17	----	----	22.44 UNCH		----	----	2016	UNCH
14NOV17	----	----	22.88 UNCH		----	----	2016	UNCH
15NOV17	----	----	23.19 + 1.70		----	----	2016	UNCH
16NOV17	----	----	21.49 UNCH		----	----	2016	UNCH
17NOV17	----	----	21.49 UNCH		----	----	2016	UNCH
18NOV17	----	----	21.49 UNCH		----	----	6048	UNCH
19NOV17	----	----	21.49 UNCH		----	----	6048	UNCH
20NOV17	----	----	21.49 UNCH		----	----	2016	UNCH
21NOV17	----	----	21.49 UNCH		----	----	2016	UNCH
22NOV17	----	----	21.49 UNCH		----	----	2016	UNCH
23NOV17	----	----	21.49 UNCH		----	----	6048	UNCH
24NOV17	----	----	21.49 UNCH		----	----	2016	UNCH
25NOV17	----	----	21.49 UNCH		----	----	6048	UNCH
26NOV17	----	----	21.49 UNCH		----	----	6048	UNCH
27NOV17	----	----	21.49 UNCH		----	----	2016	UNCH
28NOV17	----	----	21.49 UNCH		----	----	2016	UNCH
29NOV17	----	----	21.49 UNCH		----	----	2016	UNCH
30NOV17	----	----	21.49 UNCH		----	----	2016	UNCH
TOTAL NOC FUT							72576	- 2016
JP FUT	PJM OFF-PEAK LMP FUTURE							
NOV17	----	----	26.66 + 0.26		----	----	42	UNCH
DEC17	----	----	28.44 - 0.17		----	----	42	UNCH
JAN18	----	----	38.05 - 0.50		----	----	42	UNCH
FEB18	----	----	35.58 - 0.47		----	----	42	UNCH
MAR18	----	----	30.89 + 0.27		----	----	42	UNCH
APR18	----	----	26.41 + 0.23		----	----	42	UNCH
MAY18	----	----	23.52 + 0.07		----	----	42	UNCH
JUN18	----	----	23.70 + 0.80		----	----	42	UNCH
JUL18	----	----	26.03 + 0.29		----	----	42	UNCH
AUG18	----	----	23.17 + 0.26		----	----	42	UNCH
SEP18	----	----	23.18 - 0.02		----	----	40	UNCH
OCT18	----	----	22.53 - 0.05		----	----	40	UNCH
NOV18	----	----	22.93 - 0.05		----	----	40	UNCH
DEC18	----	----	27.14 - 0.05		----	----	40	UNCH
TOTAL JP FUT							580	
W6 FUT	PJM PSEG DA OFF-PEAK							
NOV17	----	----	23.71 + 0.04		----	----	7700	UNCH
DEC17	----	----	28.84 - 0.17		----	----	8480	UNCH
JAN18	----	----	44.66 - 0.57		----	----	7840	UNCH
FEB18	----	----	41.11 - 0.53		----	----	7040	UNCH
MAR18	----	----	29.63 + 0.26		----	----	7820	UNCH
APR18	----	----	24.70 + 0.22		----	----	7680	UNCH
MAY18	----	----	20.91 + 0.06		----	----	7840	UNCH
JUN18	----	----	21.16 + 0.71		----	----	1920	UNCH



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W6 FUT							
	PJM PSEG DA OFF-PEAK						
JUL18	----	----	25.68 + 0.29	----	----	2040	UNCH
AUG18	----	----	22.97 + 0.26	----	----	1880	UNCH
SEP18	----	----	20.18 - 0.02	----	----	2080	UNCH
OCT18	----	----	19.44 - 0.04	----	----	1880	UNCH
NOV18	----	----	21.13 - 0.05	----	----	1925	UNCH
DEC18	----	----	27.59 - 0.05	----	----	2120	UNCH
JAN19	----	----	43.67 + 1.03	----	----	1960	UNCH
FEB19	----	----	39.71 + 0.95	----	----	1760	UNCH
MAR19	----	----	29.34 + 1.22	----	----	2035	UNCH
APR19	----	----	24.39 + 1.04	----	----	1840	UNCH
MAY19	----	----	19.41 + 0.81	----	----	1960	UNCH
TOTAL W6 FUT						77800	
L6 FUT							
	PJM PSEG DA PEAK						
NOV17	----	----	32.21 + 0.21	----	----	420	UNCH
DEC17	----	----	35.71 - 0.46	----	----	400	UNCH
JAN18	----	----	52.92 - 0.16	----	----	440	UNCH
FEB18	----	----	51.35 - 0.48	----	----	400	UNCH
MAR18	----	----	37.56 - 0.44	----	----	440	UNCH
APR18	----	----	31.34 - 0.11	----	----	420	UNCH
MAY18	----	----	31.75 - 0.05	----	----	440	UNCH
TOTAL L6 FUT						2960	
PWO FUT							
	PJM WESTERN HUB DA OP DAILY FUT						
09NOV17	----	----	32.12 UNCH	----	----	0	1400
10NOV17	----	----	32.43 UNCH	----	----	1400	UNCH
11NOV17	----	----	41.11 UNCH	----	----	4200	UNCH
12NOV17	----	----	32.68 UNCH	----	----	4200	UNCH
13NOV17	----	----	28.58 UNCH	----	----	1400	UNCH
14NOV17	----	----	28.75 UNCH	----	----	1400	UNCH
15NOV17	----	----	27.12 UNCH	----	----	1400	UNCH
16NOV17	----	----	25.15 UNCH	----	----	1400	UNCH
17NOV17	----	----	27.01 + 2.10	----	----	1400	UNCH
18NOV17	----	----	24.91 UNCH	----	----	4200	UNCH
19NOV17	----	----	24.91 UNCH	----	----	4200	UNCH
20NOV17	----	----	24.91 UNCH	----	----	1400	UNCH
21NOV17	----	----	24.91 UNCH	----	----	1400	UNCH
22NOV17	----	----	24.91 UNCH	----	----	1400	UNCH
23NOV17	----	----	24.91 UNCH	----	----	4200	UNCH
24NOV17	----	----	24.91 UNCH	----	----	1400	UNCH
25NOV17	----	----	24.91 UNCH	----	----	4200	UNCH
26NOV17	----	----	24.91 UNCH	----	----	4200	UNCH
27NOV17	----	----	24.91 UNCH	----	----	1400	UNCH
28NOV17	----	----	24.91 UNCH	----	----	1400	UNCH
29NOV17	----	----	24.91 UNCH	----	----	1400	UNCH
30NOV17	----	----	24.91 UNCH	----	----	1400	UNCH
TOTAL PWO FUT						49000	1400
PWP FUT							
	PJM WESTERN HUB DA PEAK DAILY						
09NOV17	----	----	48.41 UNCH	----	----	0	186
10NOV17	----	----	57.99 UNCH	----	----	186	UNCH
13NOV17	----	----	46.49 UNCH	----	----	186	UNCH
14NOV17	----	----	41.70 UNCH	----	----	186	UNCH
15NOV17	----	----	33.23 UNCH	----	----	186	UNCH
16NOV17	----	----	35.33 UNCH	----	----	186	UNCH
17NOV17	----	----	32.10 - 1.40	----	----	186	UNCH
20NOV17	----	----	30.75 - 2.13	----	----	186	UNCH
21NOV17	----	----	30.75 - 2.13	----	----	186	UNCH
22NOV17	----	----	30.75 - 2.13	----	----	186	UNCH
24NOV17	----	----	30.75 - 2.13	----	----	186	UNCH
27NOV17	----	----	35.25 + 0.56	----	----	186	UNCH
28NOV17	----	----	35.25 + 0.56	----	----	186	UNCH
29NOV17	----	----	35.25 + 0.56	----	----	186	UNCH
30NOV17	----	----	35.25 + 0.56	----	----	186	UNCH
TOTAL PWP FUT						2604	186
WOR FUT							
	PJM WESTERN HUB RT OP DAILY						
08NOV17	----	----	43.14 UNCH	----	----	0	2208
09NOV17	----	----	25.71 UNCH	----	----	2208	UNCH
10NOV17	----	----	21.82 UNCH	----	----	2208	UNCH
11NOV17	----	----	40.36 UNCH	----	----	6624	UNCH
12NOV17	----	----	32.47 UNCH	----	----	6624	UNCH
13NOV17	----	----	28.12 UNCH	----	----	2208	UNCH
14NOV17	----	----	30.23 UNCH	----	----	2208	UNCH
15NOV17	----	----	36.82 + 12.34	----	----	2208	UNCH
16NOV17	----	----	24.48 UNCH	----	----	2208	UNCH
17NOV17	----	----	24.48 UNCH	----	----	2208	UNCH
18NOV17	----	----	24.48 UNCH	----	----	6624	UNCH
19NOV17	----	----	24.48 UNCH	----	----	6624	UNCH
20NOV17	----	----	24.48 UNCH	----	----	2208	UNCH
21NOV17	----	----	24.48 UNCH	----	----	2208	UNCH
22NOV17	----	----	24.48 UNCH	----	----	2208	UNCH
23NOV17	----	----	24.48 UNCH	----	----	6624	UNCH
24NOV17	----	----	24.48 UNCH	----	----	2208	UNCH
25NOV17	----	----	24.48 UNCH	----	----	6624	UNCH
26NOV17	----	----	24.48 UNCH	----	----	6624	UNCH
27NOV17	----	----	24.48 UNCH	----	----	2208	UNCH
28NOV17	----	----	24.48 UNCH	----	----	2208	UNCH
29NOV17	----	----	24.48 UNCH	----	----	2208	UNCH
30NOV17	----	----	24.48 UNCH	----	----	2208	UNCH
TOTAL WOR FUT						79488	2208
E4 FUT							
	PJM WESTH DA OFF-PEAK						
DEC17	----	----	28.49 - 0.17	----	----	74200	UNCH
JAN18	----	----	38.10 - 0.50	----	----	21560	UNCH
FEB18	----	----	35.63 - 0.47	----	----	19360	UNCH
MAR18	----	----	30.94 + 0.27	----	----	21505	UNCH
APR18	----	----	26.46 + 0.23	----	----	21120	UNCH
MAY18	----	----	23.57 + 0.07	----	----	21560	UNCH
JUN18	----	----	23.75 + 0.80	----	----	18048	UNCH
JUL18	----	----	26.08 + 0.29	----	----	19176	UNCH
AUG18	----	----	23.22 + 0.26	----	----	17672	UNCH
SEP18	----	----	23.23 - 0.02	----	----	19552	UNCH
OCT18	----	----	22.58 - 0.05	----	----	17672	UNCH
NOV18	----	----	22.98 - 0.05	----	----	18095	UNCH
DEC18	----	----	27.19 - 0.05	----	----	19928	UNCH
JAN19	----	----	39.62 + 0.93	----	----	10584	UNCH

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ENERGY FUTURES PRODUCTS

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
E4 FUT	PJM WESTH DA OFF-PEAK							
FEB19	----	----	36.48 + 0.87		----	----	9504	UNCH
MAR19	----	----	30.54 + 1.27		----	----	10989	UNCH
APR19	----	----	25.85 + 1.10		----	----	9936	UNCH
MAY19	----	----	22.74 + 0.93		----	----	10584	UNCH
JUN19	----	----	23.05 + 0.95		----	----	8800	UNCH
JUL19	----	----	25.79 + 0.97		----	----	8624	UNCH
AUG19	----	----	23.11 + 0.83		----	----	8624	UNCH
SEP19	----	----	22.49 + 0.93		----	----	8800	UNCH
OCT19	----	----	22.61 + 0.83		----	----	8272	UNCH
NOV19	----	----	22.87 + 0.83		----	----	8822	UNCH
DEC19	----	----	27.42 + 1.04		----	----	8976	UNCH
JAN20	----	----	40.10 + 1.46		----	----	8624	UNCH
FEB20	----	----	37.30 + 1.46		----	----	8272	UNCH
MAR20	----	----	30.04 + 1.16		----	----	8602	UNCH
APR20	----	----	25.43 + 1.00		----	----	8096	UNCH
MAY20	----	----	22.17 + 0.85		----	----	9328	UNCH
JUN20	----	----	22.64 + 0.86		----	----	736	UNCH
JUL20	----	----	24.76 + 0.98		----	----	752	UNCH
AUG20	----	----	22.22 + 0.85		----	----	816	UNCH
SEP20	----	----	21.96 + 0.84		----	----	768	UNCH
OCT20	----	----	21.65 + 0.83		----	----	784	UNCH
NOV20	----	----	21.91 + 0.84		----	----	802	UNCH
DEC20	----	----	25.85 + 1.02		----	----	784	UNCH
TOTAL E4 FUT							470327	
N9 FUT	PJM WESTH RT OFF-PEAK							
DEC17	----	----	28.44 - 0.17		----	----	117024	UNCH
JAN18	----	----	38.05 - 0.50		----	----	162288	UNCH
FEB18	----	----	35.58 - 0.47		----	----	145728	UNCH
MAR18	----	----	30.89 + 0.27		----	----	69989	UNCH
APR18	----	----	26.41 + 0.23		----	----	68736	UNCH
MAY18	----	----	23.52 + 0.07		----	----	66248	UNCH
JUN18	----	----	23.70 + 0.80		----	----	65280	UNCH
JUL18	----	----	26.03 + 0.29		----	----	106080	UNCH
AUG18	----	----	23.17 + 0.26		----	----	97760	UNCH
SEP18	----	----	23.18 - 0.02		----	----	70720	UNCH
OCT18	----	----	22.53 - 0.05		----	----	63920	UNCH
NOV18	----	----	22.93 - 0.05		----	----	65450	UNCH
DEC18	----	----	27.14 - 0.05		----	----	72080	UNCH
JAN19	----	----	39.57 + 0.93		----	----	68208	UNCH
FEB19	----	----	36.43 + 0.87		----	----	61248	UNCH
MAR19	----	----	30.49 + 1.27		----	----	50468	UNCH
APR19	----	----	25.80 + 1.10		----	----	45632	UNCH
MAY19	----	----	22.69 + 0.93		----	----	48608	UNCH
JUN19	----	----	23.00 + 0.95		----	----	34400	UNCH
JUL19	----	----	25.74 + 0.97		----	----	59192	UNCH
AUG19	----	----	23.06 + 0.83		----	----	59192	UNCH
SEP19	----	----	22.44 + 0.93		----	----	30400	UNCH
OCT19	----	----	22.56 + 0.83		----	----	28576	UNCH
NOV19	----	----	22.82 + 0.83		----	----	30476	UNCH
DEC19	----	----	27.37 + 1.04		----	----	31008	UNCH
JAN20	----	----	40.05 + 1.46		----	----	12936	UNCH
FEB20	----	----	37.25 + 1.46		----	----	12408	UNCH
MAR20	----	----	29.99 + 1.16		----	----	12903	UNCH
APR20	----	----	25.38 + 1.00		----	----	12144	UNCH
MAY20	----	----	22.12 + 0.85		----	----	13992	UNCH
JUN20	----	----	22.59 + 0.86		----	----	7360	UNCH
JUL20	----	----	24.71 + 0.98		----	----	7520	UNCH
AUG20	----	----	22.17 + 0.85		----	----	8160	UNCH
SEP20	----	----	21.91 + 0.84		----	----	7680	UNCH
OCT20	----	----	21.60 + 0.83		----	----	7840	UNCH
NOV20	----	----	21.86 + 0.84		----	----	8020	UNCH
DEC20	----	----	25.80 + 1.02		----	----	7840	UNCH
JAN21	----	----	39.48 + 1.45		----	----	8480	UNCH
FEB21	----	----	36.64 + 1.37		----	----	7040	UNCH
MAR21	----	----	29.82 + 1.10		----	----	7500	UNCH
APR21	----	----	25.17 + 0.95		----	----	7360	UNCH
MAY21	----	----	21.96 + 0.80		----	----	8480	UNCH
JUN21	----	----	22.48 + 0.82		----	----	7360	UNCH
JUL21	----	----	24.60 + 0.93		----	----	8160	UNCH
AUG21	----	----	22.07 + 0.81		----	----	7840	UNCH
SEP21	----	----	21.76 + 0.80		----	----	7680	UNCH
OCT21	----	----	21.50 + 0.79		----	----	8160	UNCH
NOV21	----	----	21.71 + 0.80		----	----	7700	UNCH
DEC21	----	----	25.27 + 0.95		----	----	7520	UNCH
JAN22	----	----	38.44 + 0.45		----	----	20400	UNCH
FEB22	----	----	35.44 + 0.43		----	----	17600	UNCH
MAR22	----	----	28.83 + 0.34		----	----	18750	UNCH
APR22	----	----	24.33 + 0.31		----	----	19200	UNCH
MAY22	----	----	21.47 + 0.24		----	----	20400	UNCH
JUN22	----	----	21.78 + 0.25		----	----	18400	UNCH
JUL22	----	----	23.83 + 0.31		----	----	21200	UNCH
AUG22	----	----	21.47 + 0.24		----	----	18800	UNCH
SEP22	----	----	21.17 + 0.24		----	----	19200	UNCH
OCT22	----	----	20.92 + 0.23		----	----	20400	UNCH
NOV22	----	----	21.12 + 0.23		----	----	19250	UNCH
DEC22	----	----	24.78 + 0.31		----	----	20400	UNCH
TOTAL N9 FUT							2164794	
L1 FUT	PJM WESTH RT PEAK							
DEC17	----	----	35.32 - 0.50		----	----	6900	UNCH
JAN18	----	----	46.40 - 0.57		----	----	5852	UNCH
FEB18	----	----	45.26 - 0.42		----	----	5320	UNCH
MAR18	----	----	38.00 - 0.45		----	----	5544	UNCH
APR18	----	----	33.88 - 0.12		----	----	5292	UNCH
MAY18	----	----	34.10 - 0.05		----	----	3696	UNCH
JUN18	----	----	34.45 - 0.03		----	----	4200	UNCH
JUL18	----	----	39.26 + 0.08		----	----	4620	UNCH
AUG18	----	----	36.49 + 0.05		----	----	5060	UNCH
SEP18	----	----	33.93 - 0.03		----	----	4313	UNCH
OCT18	----	----	32.33 - 0.05		----	----	5336	UNCH
NOV18	----	----	32.43 - 0.05		----	----	4872	UNCH
DEC18	----	----	34.55 - 0.05		----	----	4640	UNCH
JAN19	----	----	48.16 + 1.23		----	----	3938	UNCH
FEB19	----	----	45.84 + 1.22		----	----	3580	UNCH
MAR19	----	----	37.65 + 0.83		----	----	3045	UNCH
APR19	----	----	32.61 + 0.70		----	----	3190	UNCH

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ENERGY FUTURES PRODUCTS

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
L1 FUT	PJM WESTH RT PEAK							
MAY19	----	----	32.45	+ 0.79	----	----	3190	UNCH
JUN19	----	----	32.92	+ 0.71	----	----	2360	UNCH
JUL19	----	----	39.19	+ 1.67	----	----	2486	UNCH
AUG19	----	----	36.81	+ 1.53	----	----	2486	UNCH
SEP19	----	----	31.94	+ 0.68	----	----	2560	UNCH
OCT19	----	----	30.92	+ 1.30	----	----	2714	UNCH
NOV19	----	----	30.92	+ 1.30	----	----	2360	UNCH
DEC19	----	----	34.16	+ 1.46	----	----	2478	UNCH
JAN20	----	----	47.50	+ 1.17	----	----	858	UNCH
FEB20	----	----	45.08	+ 1.10	----	----	780	UNCH
MAR20	----	----	37.39	+ 1.04	----	----	858	UNCH
APR20	----	----	32.03	+ 0.89	----	----	858	UNCH
MAY20	----	----	31.67	+ 0.88	----	----	780	UNCH
JUN20	----	----	32.39	+ 0.90	----	----	968	UNCH
JUL20	----	----	37.60	+ 1.04	----	----	2231	UNCH
AUG20	----	----	35.12	+ 0.97	----	----	2037	UNCH
SEP20	----	----	31.41	+ 0.87	----	----	924	UNCH
OCT20	----	----	29.19	+ 0.81	----	----	968	UNCH
NOV20	----	----	29.19	+ 0.81	----	----	880	UNCH
DEC20	----	----	31.87	+ 0.88	----	----	968	UNCH
JAN21	----	----	48.52	+ 1.14	----	----	40	UNCH
FEB21	----	----	45.97	+ 1.08	----	----	40	UNCH
MAR21	----	----	36.21	+ 0.84	----	----	46	UNCH
APR21	----	----	31.21	+ 0.72	----	----	44	UNCH
MAY21	----	----	30.85	+ 0.71	----	----	40	UNCH
JUN21	----	----	31.46	+ 0.72	----	----	44	UNCH
JUL21	----	----	36.47	+ 0.85	----	----	42	UNCH
AUG21	----	----	34.17	+ 0.79	----	----	44	UNCH
SEP21	----	----	30.49	+ 0.70	----	----	42	UNCH
OCT21	----	----	28.20	+ 0.65	----	----	42	UNCH
NOV21	----	----	28.20	+ 0.65	----	----	42	UNCH
DEC21	----	----	32.54	+ 0.75	----	----	46	UNCH
TOTAL L1 FUT							113654	

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
J4 FUT	PJM WESTHDA PEAK							
DEC17	----	----	35.32	- 0.50	----	----	3720	UNCH
JAN18	----	----	46.40	- 0.57	----	----	1210	UNCH
FEB18	----	----	45.26	- 0.42	----	----	1100	UNCH
MAR18	----	----	38.00	- 0.45	----	----	1210	UNCH
APR18	----	----	33.88	- 0.12	----	----	1155	UNCH
MAY18	----	----	34.10	- 0.05	----	----	1210	UNCH
JUN18	----	----	34.45	- 0.03	----	----	987	UNCH
JUL18	----	----	39.26	+ 0.08	----	----	987	UNCH
AUG18	----	----	36.49	+ 0.05	----	----	1081	UNCH
SEP18	----	----	33.93	- 0.03	----	----	893	UNCH
OCT18	----	----	32.33	- 0.05	----	----	1081	UNCH
NOV18	----	----	32.43	- 0.05	----	----	987	UNCH
DEC18	----	----	34.55	- 0.05	----	----	940	UNCH
JAN19	----	----	48.16	+ 1.23	----	----	594	UNCH
FEB19	----	----	45.84	+ 1.22	----	----	540	UNCH
MAR19	----	----	37.65	+ 0.83	----	----	567	UNCH
APR19	----	----	32.61	+ 0.70	----	----	594	UNCH
MAY19	----	----	32.45	+ 0.79	----	----	594	UNCH
JUN19	----	----	32.92	+ 0.71	----	----	540	UNCH
JUL19	----	----	39.19	+ 1.67	----	----	594	UNCH
AUG19	----	----	36.81	+ 1.53	----	----	594	UNCH
SEP19	----	----	31.94	+ 0.68	----	----	540	UNCH
OCT19	----	----	30.92	+ 1.30	----	----	621	UNCH
NOV19	----	----	30.92	+ 1.30	----	----	540	UNCH
DEC19	----	----	34.16	+ 1.46	----	----	567	UNCH
JAN20	----	----	47.50	+ 1.17	----	----	484	UNCH
FEB20	----	----	45.08	+ 1.10	----	----	440	UNCH
MAR20	----	----	37.39	+ 1.04	----	----	484	UNCH
APR20	----	----	32.03	+ 0.89	----	----	484	UNCH
MAY20	----	----	31.67	+ 0.88	----	----	440	UNCH
JUN20	----	----	32.39	+ 0.90	----	----	44	UNCH
JUL20	----	----	37.60	+ 1.04	----	----	46	UNCH
AUG20	----	----	35.12	+ 0.97	----	----	42	UNCH
SEP20	----	----	31.41	+ 0.87	----	----	42	UNCH
OCT20	----	----	29.19	+ 0.81	----	----	44	UNCH
NOV20	----	----	29.19	+ 0.81	----	----	40	UNCH
DEC20	----	----	31.87	+ 0.88	----	----	44	UNCH
TOTAL J4 FUT							26080	

COAL FUTURES PRODUCTS

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
ALW FUT	AUSTRALIAN COKING (PLATTS) LOW VOL							
NOV17	----	----	187.00	- 0.50	----	----	44	UNCH
DEC17	----	----	189.50	- 1.00	----	----	44	UNCH
JAN18	----	----	184.50	- 0.50	----	----	24	UNCH
FEB18	----	----	179.50	- 1.50	----	----	24	UNCH
MAR18	----	----	174.00	- 2.00	----	----	24	UNCH
APR18	----	----	169.25	- 0.50	----	----	24	UNCH
MAY18	----	----	169.25	- 0.50	----	----	24	UNCH
JUN18	----	----	169.25	- 0.50	----	----	24	UNCH
JUL18	----	----	162.75	- 0.50	----	----	24	UNCH
AUG18	----	----	162.75	- 0.50	----	----	24	UNCH
SEP18	----	----	162.75	- 0.50	----	----	24	UNCH
OCT18	----	----	157.00	- 1.00	----	----	24	UNCH
NOV18	----	----	157.00	- 1.00	----	----	24	UNCH
DEC18	----	----	157.00	- 1.00	----	----	24	UNCH
JAN19	----	----	153.75	UNCH	----	----	4	UNCH
FEB19	----	----	153.75	UNCH	----	----	4	UNCH
MAR19	----	----	153.75	UNCH	----	----	4	UNCH
APR19	----	----	150.50	- 1.00	----	----	4	UNCH
MAY19	----	----	150.50	- 1.00	----	----	4	UNCH
JUN19	----	----	150.50	- 1.00	----	----	4	UNCH
JUL19	----	----	149.00	- 0.50	----	----	4	UNCH
AUG19	----	----	149.00	- 0.50	----	----	4	UNCH
SEP19	----	----	149.00	- 0.50	----	----	4	UNCH
OCT19	----	----	147.50	- 1.00	----	----	4	UNCH

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ALW FUT	AUSTRALIAN COKING (PLATTS) LOW VOL							
NOV19	----	----	147.50	- 1.00	----	----	4	UNCH
DEC19	----	----	147.50	- 1.00	----	----	4	UNCH
TOTAL ALW FUT							424	
MTF FUT	COAL API2 CIF ARA ARG-MCCLOSKY							
NOV17	----	----	93.95	+ 0.10	----	55	4471	- 20
DEC17	----	----	90.05	- 1.85	----	110	4668	- 24
JAN18	----	----	88.15	- 1.95	----	98	2567	- 15
FEB18	----	----	86.75	- 1.95	----	53	2358	- 30
MAR18	----	----	84.75	- 2.00	----	68	2340	- 33
APR18	----	----	83.80	- 2.00	----	48	1883	- 10
MAY18	----	----	82.90	- 2.00	----	48	1882	- 10
JUN18	----	----	82.25	- 1.95	----	48	1936	- 15
JUL18	----	----	81.65	- 1.90	----	48	1911	+ 18
AUG18	----	----	81.00	- 1.95	----	48	1911	+ 18
SEP18	----	----	80.75	- 1.90	----	48	1911	+ 18
OCT18	----	----	80.55	- 1.85	----	48	1763	+ 3
NOV18	----	----	80.30	- 1.85	----	48	1763	+ 3
DEC18	----	----	79.95	- 1.85	----	48	1763	+ 3
JAN19	----	----	79.60	- 1.85	----	12	1029	- 2
FEB19	----	----	79.30	- 1.80	----	12	1029	- 2
MAR19	----	----	79.05	- 1.80	----	12	1029	- 2
APR19	----	----	78.80	- 1.80	----	12	1029	- 2
MAY19	----	----	78.55	- 1.80	----	12	1029	- 2
JUN19	----	----	78.30	- 1.80	----	12	1029	- 2
JUL19	----	----	78.10	- 1.75	----	12	1029	- 2
AUG19	----	----	77.85	- 1.75	----	12	1029	- 2
SEP19	----	----	77.55	- 1.80	----	12	1029	- 2
OCT19	----	----	77.30	- 1.75	----	12	1029	- 2
NOV19	----	----	77.05	- 1.75	----	12	1029	- 2
DEC19	----	----	76.75	- 1.80	----	12	1029	- 2
JAN20	----	----	76.50	- 1.75	----	2	232	+ 2
FEB20	----	----	76.25	- 1.75	----	2	232	+ 2
MAR20	----	----	75.95	- 1.80	----	2	232	+ 2
APR20	----	----	75.70	- 1.75	----	2	232	+ 2
MAY20	----	----	75.45	- 1.75	----	2	232	+ 2
JUN20	----	----	75.20	- 1.75	----	2	232	+ 2
JUL20	----	----	75.05	- 1.80	----	2	232	+ 2
AUG20	----	----	74.95	- 1.80	----	2	232	+ 2
SEP20	----	----	74.85	- 1.80	----	2	232	+ 2
OCT20	----	----	74.75	- 1.80	----	2	232	+ 2
NOV20	----	----	74.65	- 1.80	----	2	232	+ 2
DEC20	----	----	74.55	- 1.80	----	2	232	+ 2
TOTAL MTF FUT						984	48259	- 94
MFF FUT	COAL API4 RCH BAY ARGS MCCLOSKY SW							
NOV17	----	----	91.65	- 0.40	----	5	1352	UNCH
DEC17	----	----	89.50	- 1.45	----	105	1502	+ 80
JAN18	----	----	88.90	- 1.75	----	15	315	- 15
FEB18	----	----	88.20	- 1.85	----	15	315	- 15
MAR18	----	----	87.05	- 2.15	----	15	315	- 15
APR18	----	----	86.50	- 2.10	----	----	261	UNCH
MAY18	----	----	85.95	- 2.10	----	----	261	UNCH
JUN18	----	----	85.30	- 2.05	----	----	261	UNCH
JUL18	----	----	84.65	- 2.00	----	----	192	UNCH
AUG18	----	----	84.00	- 2.00	----	----	192	UNCH
SEP18	----	----	83.45	- 2.00	----	----	192	UNCH
OCT18	----	----	82.85	- 2.05	----	----	242	UNCH
NOV18	----	----	82.30	- 2.05	----	----	242	UNCH
DEC18	----	----	81.90	- 1.95	----	----	242	UNCH
JAN19	----	----	81.45	- 1.95	----	----	10	UNCH
FEB19	----	----	81.05	- 1.90	----	----	10	UNCH
MAR19	----	----	81.10	- 1.85	----	----	10	UNCH
APR19	----	----	81.15	- 1.85	----	----	10	UNCH
MAY19	----	----	81.20	- 1.80	----	----	10	UNCH
JUN19	----	----	81.25	- 1.80	----	----	10	UNCH
JUL19	----	----	81.30	- 1.80	----	----	10	UNCH
AUG19	----	----	81.35	- 1.75	----	----	10	UNCH
SEP19	----	----	81.00	- 1.75	----	----	10	UNCH
OCT19	----	----	80.65	- 1.80	----	----	10	UNCH
NOV19	----	----	80.30	- 1.80	----	----	10	UNCH
DEC19	----	----	79.95	- 1.80	----	----	10	UNCH
TOTAL MFF FUT						155	6004	+ 35
ACM FUT	COAL API5 FOB NEWCASTLE ARG/MC FUT							
NOV17	----	----	76.80	+ 0.20	----	----	80	UNCH
DEC17	----	----	74.75	- 0.55	----	5	85	+ 5
JAN18	----	----	74.55	+ 0.15	----	----	5	UNCH
FEB18	----	----	73.75	+ 0.10	----	----	5	UNCH
MAR18	----	----	72.95	+ 0.10	----	----	5	UNCH
TOTAL ACM FUT						5	180	+ 5
QX FUT	EASTERN RAIL DELIVERY CSX COAL							
DEC17	----	----	64.15	UNCH	----	----	40	UNCH
JAN18	----	----	64.85	- 0.15	----	----	5	UNCH
FEB18	----	----	64.85	- 0.15	----	----	5	UNCH
MAR18	----	----	64.85	- 0.15	----	----	5	UNCH
APR18	----	----	63.60	- 0.15	----	----	25	UNCH
MAY18	----	----	63.60	- 0.15	----	----	25	UNCH
JUN18	----	----	63.60	- 0.15	----	----	25	UNCH
JUL18	----	----	62.15	- 0.15	----	----	25	UNCH
AUG18	----	----	62.15	- 0.15	----	----	25	UNCH
SEP18	----	----	62.15	- 0.15	----	----	25	UNCH
OCT18	----	----	60.55	- 0.15	----	----	25	UNCH
NOV18	----	----	60.55	- 0.15	----	----	25	UNCH
DEC18	----	----	60.55	- 0.15	----	----	25	UNCH
TOTAL QX FUT							280	
ACT FUT	FOB AUS PREMIUM HARD COKING COAL							
JAN18	----	----	181.50	UNCH	----	----	5	UNCH
FEB18	----	----	177.50	UNCH	----	----	5	UNCH
MAR18	----	----	176.00	UNCH	----	----	5	UNCH
APR18	----	----	168.25	UNCH	----	----	5	UNCH
MAY18	----	----	168.25	UNCH	----	----	5	UNCH
JUN18	----	----	168.25	UNCH	----	----	5	UNCH
JUL18	----	----	161.75	UNCH	----	----	5	UNCH
AUG18	----	----	161.75	UNCH	----	----	5	UNCH

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ENERGY FUTURES PRODUCTS

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	ACT FUT	FOB AUS PREMIUM HARD COKING COAL	SETT. PRICE & PT. CHGE	UNCH	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
	SEP18	----	161.75	UNCH	----	----	5	UNCH
	OCT18	----	156.25	UNCH	----	----	5	UNCH
	NOV18	----	156.25	UNCH	----	----	5	UNCH
	DEC18	----	156.25	UNCH	----	----	5	UNCH
TOTAL	ACT FUT						60	
	QP FUT	WESTERN RAIL DELIVERY PRB COAL						
	DEC17	----	11.55	+ 0.10	----	----	105	UNCH
	JAN18	----	11.95	+ 0.05	----	----	20	UNCH
	FEB18	----	11.95	UNCH	----	----	20	UNCH
	MAR18	----	11.95	UNCH	----	----	20	UNCH
	APR18	----	11.95	UNCH	----	----	20	UNCH
	MAY18	----	11.95	UNCH	----	----	20	UNCH
	JUN18	----	11.95	UNCH	----	----	20	UNCH
	JUL18	----	12.00	UNCH	----	----	20	UNCH
	AUG18	----	12.00	UNCH	----	----	20	UNCH
	SEP18	----	12.00	UNCH	----	----	20	UNCH
	OCT18	----	12.00	UNCH	----	----	20	UNCH
	NOV18	----	12.00	UNCH	----	----	20	UNCH
	DEC18	----	12.00	UNCH	----	----	20	UNCH
TOTAL	QP FUT						345	

FREIGHT FUTURES PRODUCTS

	FLP FUT	FREIGHT ROUTE LIQUID PETROLEUM GAS	SETT. PRICE & PT. CHGE	UNCH	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
	NOV17	----	30.023	- 0.125	----	----	120	UNCH
	DEC17	----	30.525	- 0.475	----	----	111	UNCH
	JAN18	----	32.470	UNCH	----	----	74	UNCH
	FEB18	----	32.500	UNCH	----	----	74	UNCH
	MAR18	----	32.500	UNCH	----	----	74	UNCH
	APR18	----	32.495	UNCH	----	----	36	UNCH
	MAY18	----	31.783	UNCH	----	----	36	UNCH
	JUN18	----	31.783	UNCH	----	----	36	UNCH
	JUL18	----	33.500	UNCH	----	----	31	UNCH
	AUG18	----	33.500	UNCH	----	----	31	UNCH
	SEP18	----	33.500	UNCH	----	----	31	UNCH
	OCT18	----	35.495	UNCH	----	----	30	UNCH
	NOV18	----	35.495	UNCH	----	----	30	UNCH
	DEC18	----	35.495	UNCH	----	----	30	UNCH
TOTAL	FLP FUT						744	
	TM FUT	TC2 ROTTERDAM TO USAC 37K MT						
	DEC17	----	17.3150	- 0.4740	----	----	80	UNCH
TOTAL	TM FUT						80	
	TL FUT	TD3 MEG TO JAPAN 250K MT						
	JAN18	----	9.8630	+ 0.0730	----	----	10	UNCH
	FEB18	----	9.4700	+ 0.0020	----	----	10	UNCH
	MAR18	----	8.8590	+ 0.0020	----	----	10	UNCH
TOTAL	TL FUT						30	

PLASTICS FUTURES PRODUCTS

	PGP FUT	PGP POLYMER GRD PROPYLENE CAL	SETT. PRICE & PT. CHGE	UNCH	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
	NOV17	----	0.46238	+0.00119	----	----	255	UNCH
	DEC17	----	0.46125	+0.00250	----	----	222	UNCH
	JAN18	----	0.46500	UNCH	----	----	106	UNCH
	FEB18	----	0.46250	UNCH	----	----	106	UNCH
	MAR18	----	0.46000	UNCH	----	----	106	UNCH
	APR18	----	0.45625	UNCH	----	----	65	UNCH
	MAY18	----	0.45250	UNCH	----	----	65	UNCH
	JUN18	----	0.44875	UNCH	----	----	65	UNCH
	JUL18	----	0.44375	UNCH	----	----	40	UNCH
	AUG18	----	0.44375	UNCH	----	----	40	UNCH
	SEP18	----	0.44375	UNCH	----	----	40	UNCH
TOTAL	PGP FUT						1110	

EMISSIONS FUTURES PRODUCTS

	6T FUT	NYMEX IN DELIVRY MTH EUA (EURO) FUT	SETT. PRICE & PT. CHGE	UNCH	GLOBAL VOLUME	PNT VOLUME	OPEN INTEREST	
	DEC17	----	7.50	- 0.19	----	----	6900	UNCH
	DEC18	----	7.53	- 0.20	----	----	3698	UNCH
TOTAL	6T FUT						10598	

CORE EX-PIT BREAKDOWN

	DELIVERY CASH OR SETTLED	PHY MONTH-TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS DAILY TOTAL	TAS DAILY TOTAL
NYMEX CRUDE OIL (PHYSICAL)												
	DEC17	---	124	---	---	---	---	---	4321	142	---	12465
	JAN18	---	---	---	---	---	---	---	1316	628	---	7633
	FEB18	---	---	---	---	---	---	---	1560	374	---	3328
	MAR18	---	---	---	---	---	---	---	609	374	---	1022
	APR18	---	---	---	---	---	---	---	441	161	---	---
	MAY18	---	---	---	---	---	---	---	670	161	---	8
	JUN18	---	---	---	---	---	---	---	1829	---	---	1
	SEP18	---	---	---	---	---	---	---	611	---	---	---

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ENERGY FUTURES PRODUCTS

Thu, Nov 16, 2017 PG61

	DELIVERY CASH OR PHY SETTLED	MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS	TAS DAILY TOTAL
OCT18	---	---	---	---	---	---	---	---	300	---	---	---
DEC18	---	---	---	---	---	---	---	---	1223	---	---	---
JAN19	---	---	---	---	---	---	---	---	350	---	---	---
FEB19	---	---	---	---	---	---	---	---	250	---	---	---
MAR19	---	---	---	---	---	---	---	---	250	---	---	---
JUN19	---	---	---	---	---	---	---	---	109	---	---	---
DEC19	---	---	---	---	---	---	---	---	553	---	---	---
DEC20	---	---	---	---	---	---	---	---	390	---	---	---
Total			124						14782	1840		24457

NYMEX HEATING OIL (PHYSICAL)

DEC17	---	---	3389	---	---	---	---	---	2405	559	---	4415
JAN18	---	---	560	---	---	---	---	---	2321	---	---	1719
FEB18	---	---	225	---	---	---	---	---	---	---	---	194
MAR18	---	---	---	---	---	---	---	---	974	---	---	219
APR18	---	---	---	---	---	---	---	---	97	---	---	4
MAY18	---	---	---	---	---	---	---	---	---	---	---	8
JUN18	---	---	---	---	---	---	---	---	960	---	---	5
SEP18	---	---	---	---	---	---	---	---	100	---	---	---
OCT18	---	---	---	---	---	---	---	---	25	---	---	---
Total			4174						6882	559		6564

NYMEX NY HARBOR GAS (RBOB) (PHY)

DEC17	---	---	3590	---	---	---	---	---	2443	546	---	7634
JAN18	---	---	200	---	---	---	---	---	3506	200	---	2890
FEB18	---	---	---	---	---	---	---	---	2157	---	---	113
MAR18	---	---	---	---	---	---	---	---	1453	---	---	160
APR18	---	---	---	---	---	---	---	---	1157	---	---	446
JUN18	---	---	---	---	---	---	---	---	568	---	---	1
JUL18	---	---	---	---	---	---	---	---	400	---	---	---
SEP18	---	---	---	---	---	---	---	---	200	---	---	---
OCT18	---	---	---	---	---	---	---	---	125	---	---	---
DEC18	---	---	---	---	---	---	---	---	106	---	---	---
Total			3790						12115	746		11244

NATURAL GAS HENRY HUB (PHYSICAL)

DEC17	---	---	---	---	---	---	---	---	2820	419	---	4419
JAN18	---	---	6630	---	---	---	---	---	6860	405	---	4996
FEB18	---	---	---	---	---	---	---	---	6000	---	---	1611
MAR18	---	---	---	---	---	---	---	---	1250	---	---	598
APR18	---	---	---	---	---	---	---	---	---	92	---	1629
MAY18	---	---	---	---	---	---	---	---	---	92	---	31
JUN18	---	---	---	---	---	---	---	---	---	---	---	101
OCT18	---	---	---	---	---	---	---	---	1250	---	---	---
JAN19	---	---	---	---	---	---	---	---	3030	---	---	---
FEB19	---	---	---	---	---	---	---	---	1030	---	---	---
MAR19	---	---	---	---	---	---	---	---	3030	---	---	---
APR19	---	---	---	---	---	---	---	---	1030	---	---	---
MAY19	---	---	---	---	---	---	---	---	1030	---	---	---
JUN19	---	---	---	---	---	---	---	---	1030	---	---	---
JUL19	---	---	---	---	---	---	---	---	1030	---	---	---
AUG19	---	---	---	---	---	---	---	---	1030	---	---	---
SEP19	---	---	---	---	---	---	---	---	1030	---	---	---
OCT19	---	---	---	---	---	---	---	---	1030	---	---	---
NOV19	---	---	---	---	---	---	---	---	1030	---	---	---
DEC19	---	---	---	---	---	---	---	---	1030	---	---	---
Total			6630						34540	1008		13385

NYMEX BRENT OIL LAST DAY FUTURES

JAN18	---	---	---	---	---	---	---	---	427	---	---	195
FEB18	---	---	---	---	---	---	---	---	1567	---	---	---
MAR18	---	---	---	---	---	---	---	---	710	---	---	---
APR18	---	---	---	---	---	---	---	---	10	---	---	---
MAY18	---	---	---	---	---	---	---	---	210	---	---	---
JUN18	---	---	---	---	---	---	---	---	10	---	---	---
JUL18	---	---	---	---	---	---	---	---	10	---	---	---
AUG18	---	---	---	---	---	---	---	---	10	---	---	---
SEP18	---	---	---	---	---	---	---	---	10	---	---	---
OCT18	---	---	---	---	---	---	---	---	10	---	---	---
NOV18	---	---	---	---	---	---	---	---	1010	---	---	---
DEC18	---	---	---	---	---	---	---	---	10	---	---	---
Total									3994			195

EUROPEAN GASOIL ICE FUTURE

E-MINI CRUDE OIL FUTURES

E-MINI HEATING OIL FUTURES

E-MINI GASOLINE FUTURES

E-MINI NATURAL GAS

CRUDE OIL EX-PIT BREAKDOWN

	DELIVERY CASH OR PHY SETTLED	MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS	TAS DAILY TOTAL
ARGUS LLS VS. WTI (ARG) TRD M												
JAN18	---	---	---	---	---	---	---	---	115	---	---	---
FEB18	---	---	---	---	---	---	---	---	65	---	---	---
MAR18	---	---	---	---	---	---	---	---	65	---	---	---
									245			
BRENT CALENDAR												
DEC17	---	---	---	---	---	---	---	---	200	---	---	---
									200			
CANADIAN C5+ CONDENSATE INDEX FUT												
CANADIAN HEAVY CRUDE(NET ENRGY) FUT												
CANADIAN LIGHT SWEET OIL												
CLEARBROOK BAKKEN CRUDE OIL INDEX												
DATED TO FRONTLINE BRENT CLNDR												
DUBAI CRUDE OIL CALENDAR												
EUROPE DATED BRENT												
GUERNSEY LIGHT SWEET CRUDE OIL FUT												
GULF COAST SOUR CRUDE OIL FUTURES												

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ENERGY FUTURES PRODUCTS

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	DELIVERY CASH OR PHY SETTLED	MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS DAILY TOTAL	TAS DAILY TOTAL
MAR18	---	---	---	---	---	---	---	---	100	---	---	---
APR18	---	---	---	---	---	---	---	---	100	---	---	---
MAY18	---	---	---	---	---	---	---	---	100	---	---	---
JUN18	---	---	---	---	---	---	---	---	100	---	---	---
JUL18	---	---	---	---	---	---	---	---	100	---	---	---
AUG18	---	---	---	---	---	---	---	---	100	---	---	---
SEP18	---	---	---	---	---	---	---	---	100	---	---	---
OCT18	---	---	---	---	---	---	---	---	100	---	---	---
NOV18	---	---	---	---	---	---	---	---	100	---	---	---
DEC18	---	---	---	---	---	---	---	---	100	---	---	---
									900			
LIGHT SWEET OIL NET ENERGY MONTHLY												
APR18	---	---	---	---	---	---	---	---	15	---	---	---
MAY18	---	---	---	---	---	---	---	---	15	---	---	---
JUN18	---	---	---	---	---	---	---	---	15	---	---	---
JUL18	---	---	---	---	---	---	---	---	15	---	---	---
AUG18	---	---	---	---	---	---	---	---	15	---	---	---
SEP18	---	---	---	---	---	---	---	---	15	---	---	---
OCT18	---	---	---	---	---	---	---	---	15	---	---	---
NOV18	---	---	---	---	---	---	---	---	15	---	---	---
DEC18	---	---	---	---	---	---	---	---	15	---	---	---
									135			
LLS (ARGUS) VS WTI												
JUL18	---	---	---	---	---	---	---	---	25	---	---	---
AUG18	---	---	---	---	---	---	---	---	25	---	---	---
SEP18	---	---	---	---	---	---	---	---	25	---	---	---
OCT18	---	---	---	---	---	---	---	---	25	---	---	---
NOV18	---	---	---	---	---	---	---	---	25	---	---	---
DEC18	---	---	---	---	---	---	---	---	25	---	---	---
									150			
LOOP CRUDE OIL STORAGE FUTURES												
DEC17	---	---	---	---	---	---	---	---	800	---	---	---
									800			
MARS (ARGUS) VS WTI												
JAN18	---	---	---	---	---	---	---	---	350	---	---	---
									350			
MARS (ARGUS) VS WTI TRD MTH												
JAN18	---	---	---	---	---	---	---	---	1410	---	---	---
FEB18	---	---	---	---	---	---	---	---	520	---	---	---
MAR18	---	---	---	---	---	---	---	---	570	---	---	---
APR18	---	---	---	---	---	---	---	---	55	---	---	---
MAY18	---	---	---	---	---	---	---	---	55	---	---	---
JUN18	---	---	---	---	---	---	---	---	55	---	---	---
JUL18	---	---	---	---	---	---	---	---	120	---	---	---
AUG18	---	---	---	---	---	---	---	---	120	---	---	---
SEP18	---	---	---	---	---	---	---	---	120	---	---	---
OCT18	---	---	---	---	---	---	---	---	30	---	---	---
NOV18	---	---	---	---	---	---	---	---	30	---	---	---
DEC18	---	---	---	---	---	---	---	---	30	---	---	---
									3115			
NYMEX BRENT FINANCIAL FUTURES												
SYNTHETIC SWEET OIL MONTHLY FUT												
WEST TEXAS INTER CRUDE OIL CAL												
NOV17	---	---	---	---	---	---	---	---	14	---	---	---
DEC17	---	---	---	---	---	---	---	---	229	---	---	---
JAN18	---	---	---	---	---	---	---	---	42	---	---	---
FEB18	---	---	---	---	---	---	---	---	42	---	---	---
MAR18	---	---	---	---	---	---	---	---	42	---	---	---
APR18	---	---	---	---	---	---	---	---	42	---	---	---
MAY18	---	---	---	---	---	---	---	---	42	---	---	---
JUN18	---	---	---	---	---	---	---	---	42	---	---	---
JUL18	---	---	---	---	---	---	---	---	42	---	---	---
AUG18	---	---	---	---	---	---	---	---	42	---	---	---
SEP18	---	---	---	---	---	---	---	---	42	---	---	---
OCT18	---	---	---	---	---	---	---	---	42	---	---	---
NOV18	---	---	---	---	---	---	---	---	42	---	---	---
DEC18	---	---	---	---	---	---	---	---	42	---	---	---
									747			
WESTERN CANADIAN SELECT OIL MONTHLY												
JAN18	---	---	---	---	---	---	---	---	205	---	---	---
FEB18	---	---	---	---	---	---	---	---	235	---	---	---
MAR18	---	---	---	---	---	---	---	---	45	---	---	---
									485			
WTI BALMO												
WTI FINANCIAL FUTURES												
WTI HOUSTON ARGUS V. WTI TRADE MONTH												
JAN18	---	---	---	---	---	---	---	---	540	---	---	---
FEB18	---	---	---	---	---	---	---	---	305	---	---	---
MAR18	---	---	---	---	---	---	---	---	305	---	---	---
APR18	---	---	---	---	---	---	---	---	255	---	---	---
MAY18	---	---	---	---	---	---	---	---	255	---	---	---
JUN18	---	---	---	---	---	---	---	---	255	---	---	---
									1915			
WTI MIDLAND (ARG) VS. WTI TRADE MTH												
JAN18	---	---	---	---	---	---	---	---	330	---	---	---
APR18	---	---	---	---	---	---	---	---	75	---	---	---
MAY18	---	---	---	---	---	---	---	---	75	---	---	---
JUN18	---	---	---	---	---	---	---	---	75	---	---	---
JUL18	---	---	---	---	---	---	---	---	165	---	---	---
AUG18	---	---	---	---	---	---	---	---	165	---	---	---
SEP18	---	---	---	---	---	---	---	---	165	---	---	---
OCT18	---	---	---	---	---	---	---	---	135	---	---	---
NOV18	---	---	---	---	---	---	---	---	135	---	---	---
DEC18	---	---	---	---	---	---	---	---	135	---	---	---
									1455			
WTI MIDLAND(ARGUS) VS WTI FINCL FUT												
JAN18	---	---	---	---	---	---	---	---	30	---	---	---
FEB18	---	---	---	---	---	---	---	---	30	---	---	---



FINAL

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ENERGY FUTURES PRODUCTS

Thu, Nov 16, 2017 PG61

	DELIVERY CASH OR PHY SETTLED	MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK TAS DAILY TOTAL	TAS DAILY TOTAL
FEB18	---	---	---	---	---	---	---	---	40	---	---
MAR18	---	---	---	---	---	---	---	---	40	---	---
APR18	---	---	---	---	---	---	---	---	40	---	---
MAY18	---	---	---	---	---	---	---	---	40	---	---
JUN18	---	---	---	---	---	---	---	---	40	---	---
JUL18	---	---	---	---	---	---	---	---	15	---	---
AUG18	---	---	---	---	---	---	---	---	15	---	---
SEP18	---	---	---	---	---	---	---	---	15	---	---
OCT18	---	---	---	---	---	---	---	---	15	---	---
NOV18	---	---	---	---	---	---	---	---	15	---	---
DEC18	---	---	---	---	---	---	---	---	15	---	---
JAN20	---	---	---	---	---	---	---	---	35	---	---
FEB20	---	---	---	---	---	---	---	---	35	---	---
MAR20	---	---	---	---	---	---	---	---	35	---	---
APR20	---	---	---	---	---	---	---	---	35	---	---
MAY20	---	---	---	---	---	---	---	---	35	---	---
JUN20	---	---	---	---	---	---	---	---	35	---	---
JUL20	---	---	---	---	---	---	---	---	35	---	---
AUG20	---	---	---	---	---	---	---	---	35	---	---
SEP20	---	---	---	---	---	---	---	---	35	---	---
OCT20	---	---	---	---	---	---	---	---	35	---	---
NOV20	---	---	---	---	---	---	---	---	35	---	---
DEC20	---	---	---	---	---	---	---	---	35	---	---
									760		

WTS (ARGUS) VS WTI TRD MTH

NATURAL GAS EX-PIT BREAKDOWN

	DELIVERY CASH OR PHY SETTLED	MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK TAS DAILY TOTAL	TAS DAILY TOTAL
ALGONQUIN CITYGATES BASIS											
ANR OKLAHOMA											
CENTERPOINT BASIS											
CIG BASIS											
CIG ROCKIES NAT GAS (PLATTS) FUT											
COLUMB GULF MAINLINE NG BASIS											
COLUMBIA GULF ONSHORE BASIS											
DOMINION TRAN INC - APP INDEX											
DOMINION TRANSMISSION INC -APPALAC											
DUTCH TTF NATURAL GAS FRONT MTH FUT											
HENRY HUB											
DEC17	---	---	---	---	---	---	---	---	88	---	---
JAN18	---	---	---	---	---	---	---	---	66	---	---
FEB18	---	---	---	---	---	---	---	---	64	---	---
MAR18	---	---	---	---	---	---	---	---	66	---	---
APR18	---	---	---	---	---	---	---	---	64	---	---
MAY18	---	---	---	---	---	---	---	---	90	---	---
JUN18	---	---	---	---	---	---	---	---	92	---	---
JUL18	---	---	---	---	---	---	---	---	90	---	---
AUG18	---	---	---	---	---	---	---	---	94	---	---
SEP18	---	---	---	---	---	---	---	---	80	---	---
OCT18	---	---	---	---	---	---	---	---	74	---	---
NOV18	---	---	---	---	---	---	---	---	68	---	---
DEC18	---	---	---	---	---	---	---	---	70	---	---
JAN19	---	---	---	---	---	---	---	---	63	---	---
FEB19	---	---	---	---	---	---	---	---	60	---	---
MAR19	---	---	---	---	---	---	---	---	63	---	---
APR19	---	---	---	---	---	---	---	---	182	---	---
MAY19	---	---	---	---	---	---	---	---	195	---	---
JUN19	---	---	---	---	---	---	---	---	190	---	---
JUL19	---	---	---	---	---	---	---	---	199	---	---
AUG19	---	---	---	---	---	---	---	---	195	---	---
SEP19	---	---	---	---	---	---	---	---	190	---	---
OCT19	---	---	---	---	---	---	---	---	187	---	---
NOV19	---	---	---	---	---	---	---	---	62	---	---
DEC19	---	---	---	---	---	---	---	---	55	---	---
JAN20	---	---	---	---	---	---	---	---	64	---	---
FEB20	---	---	---	---	---	---	---	---	64	---	---
MAR20	---	---	---	---	---	---	---	---	64	---	---
APR20	---	---	---	---	---	---	---	---	64	---	---
MAY20	---	---	---	---	---	---	---	---	64	---	---
JUN20	---	---	---	---	---	---	---	---	64	---	---
JUL20	---	---	---	---	---	---	---	---	64	---	---
AUG20	---	---	---	---	---	---	---	---	64	---	---
SEP20	---	---	---	---	---	---	---	---	64	---	---
OCT20	---	---	---	---	---	---	---	---	64	---	---
NOV20	---	---	---	---	---	---	---	---	64	---	---
DEC20	---	---	---	---	---	---	---	---	64	---	---
AUG22	---	---	---	---	---	---	---	---	100	---	---
									3515		

HENRY HUB BASIS

HENRY HUB INDEX FUTURE

HENRY HUB NG LAST DAY FINANCIAL

DEC17	---	---	---	---	---	---	---	---	403	---	---
JAN18	---	---	---	---	---	---	---	---	6503	500	---
FEB18	---	---	---	---	---	---	---	---	9000	---	---
MAR18	---	---	---	---	---	---	---	---	1396	---	---
OCT18	---	---	---	---	---	---	---	---	1250	---	---
DEC18	---	---	---	---	---	---	---	---	105	---	---
JAN19	---	---	---	---	---	---	---	---	1030	---	---
FEB19	---	---	---	---	---	---	---	---	1030	---	---
MAR19	---	---	---	---	---	---	---	---	1130	---	---
APR19	---	---	---	---	---	---	---	---	1110	---	---
MAY19	---	---	---	---	---	---	---	---	1110	---	---
JUN19	---	---	---	---	---	---	---	---	1160	---	---
JUL19	---	---	---	---	---	---	---	---	1110	---	---
AUG19	---	---	---	---	---	---	---	---	1110	---	---
SEP19	---	---	---	---	---	---	---	---	1160	---	---
OCT19	---	---	---	---	---	---	---	---	1110	---	---
NOV19	---	---	---	---	---	---	---	---	1100	---	---

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	DELIVERY CASH OR PHY SETTLED	MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK TAS DAILY TOTAL	TAS DAILY TOTAL
APR20	---	---	---	---	---	---	---	---	5	---	---
MAY20	---	---	---	---	---	---	---	---	5	---	---
JUN20	---	---	---	---	---	---	---	---	5	---	---
JUL20	---	---	---	---	---	---	---	---	5	---	---
AUG20	---	---	---	---	---	---	---	---	5	---	---
SEP20	---	---	---	---	---	---	---	---	5	---	---
OCT20	---	---	---	---	---	---	---	---	5	---	---
NOV20	---	---	---	---	---	---	---	---	5	---	---
DEC20	---	---	---	---	---	---	---	---	5	---	---
									32007	500	
HENRY HUB PENULTIMATE FUT											
DEC17	---	---	---	---	---	---	---	---	626	---	---
JAN18	---	---	---	---	---	---	---	---	990	---	---
FEB18	---	---	---	---	---	---	---	---	144	---	---
MAR18	---	---	---	---	---	---	---	---	154	---	---
APR18	---	---	---	---	---	---	---	---	35	---	---
JUL18	---	---	---	---	---	---	---	---	1540	---	---
									3489		
HOUSTON SHIP CHANNEL BASIS											
LNG JAPAN KOREA MARKER PLATTS											
MICHIGAN BASIS											
NGPL MID-CONTINENT											
NGPL TEX /OK											
NORTHERN NATURAL GAS DEMARCATION											
NORTHERN NATURAL GAS VENTURA IOWA											
NORTHERN ROCKIES PIPE											
NORTHWEST ROCKIES BASIS FUTURE											
NYMEX NATURAL GAS FUTURES											
DEC17	---	---	---	---	---	---	---	---	599	---	---
JAN18	---	---	---	---	---	---	---	---	435	---	---
FEB18	---	---	---	---	---	---	---	---	793	---	---
MAR18	---	---	---	---	---	---	---	---	226	---	---
APR18	---	---	---	---	---	---	---	---	161	---	---
MAY18	---	---	---	---	---	---	---	---	55	---	---
OCT18	---	---	---	---	---	---	---	---	24	---	---
									2293		
ONEOK OKLAHOMA NG BASIS											
PANHANDLE BASIS FUTURE											
PANHANDLE PIPE											
PERMIAN BASIS											
SAN JUAN BASIS											
SONAT BASIS FUTURE											
SOUTH STAR TEX OKLHM KNS NG B											
SUMAS BASIS											
SUMAS NAT GAS PLATTS FIXED PRICE											
TCO BASIS											
TENNESSEE ZONE 0 BASIS											
TETCO STX BASIS											
TEXAS EASTERN ZONE M-3 BASIS											
TEXAS GAS ZONE1 NG BASIS											
TRANSCO ZONE 3 BASIS											
TRANSCO ZONE 6 BASIS											
TRANSCO ZONE 6 NON NY BASIS											
TRANSCO ZONE4 BASIS											
UK NBP NATURAL GAS FRONT MTH FUT											
WAHA BASIS											

PETROLEUM EX-PIT BREAKDOWN

	DELIVERY CASH OR PHY SETTLED	MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK TAS DAILY TOTAL	TAS DAILY TOTAL
1% FUEL OIL (PLT) CARG CIF MED											
1% FUEL OIL RDM VS 1% OIL NWE PLTS											
3.5% FUEL OIL (PLATTS) FOB RDA											
DEC17	---	---	---	---	---	---	---	---	10	---	---
									10		
3.5% FUEL OIL CID MED											
3.5% FUEL OIL RDAM VS FOB MED BALM											
ARGUS GASOLINE NWE CRACK SPR											
CHICAGO ULSD PL VS HO SPR											
CHICAGO UNL GAS PL VS RBOB SPR											
E/W NAPHTHA JAPAN CF-CARGOS CIF NWE											
EAST/WEST FUEL OIL SPREAD											
EAST-WST GASOLINE SPREAD PLATTS/ARG											
DEC17	---	---	---	---	---	---	---	---	150	---	---
APR18	---	---	---	---	---	---	---	---	150	---	---
MAY18	---	---	---	---	---	---	---	---	150	---	---
JUN18	---	---	---	---	---	---	---	---	150	---	---
									600		
EIA FLAT TAX ONHWAY DIESEL											
EIA FLAT TAX US RETAIL GASOLINE											
EUR1%FUEL OIL FOB MED-EUR1% FOB NWE											
EURO 3.5% FUEL OIL RDAM BALMO											

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	DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS DAILY TOTAL	TAS DAILY TOTAL	
MAR18	---	---	---	---	---	---	---	---	24	---	---	---	
APR18	---	---	---	---	---	---	---	---	8	---	---	---	
MAY18	---	---	---	---	---	---	---	---	8	---	---	---	
JUN18	---	---	---	---	---	---	---	---	8	---	---	---	
									24				
EUROP NAPHTHA PLATTS CRCK SPR BALMO													
EUROPE 1% FUEL OIL NWE CAL													
EUROPE 3.5% FUEL OIL MED CAL													
EUROPE 3.5% FUEL OIL RDAM CAL													
NOV17	---	---	---	---	---	---	---	---	1	---	---	---	
DEC17	---	---	---	---	---	---	---	---	60	---	---	---	
JAN18	---	---	---	---	---	---	---	---	50	---	---	---	
JUL18	---	---	---	---	---	---	---	---	35	---	---	---	
AUG18	---	---	---	---	---	---	---	---	35	---	---	---	
SEP18	---	---	---	---	---	---	---	---	35	---	---	---	
OCT18	---	---	---	---	---	---	---	---	35	---	---	---	
NOV18	---	---	---	---	---	---	---	---	35	---	---	---	
DEC18	---	---	---	---	---	---	---	---	36	---	---	---	
									322				
EUROPE JET KERO NWE CAL													
EUROPE NAPHTHA CAL													
DEC17	---	---	---	---	---	---	---	---	13	---	---	---	
JAN18	---	---	---	---	---	---	---	---	3	---	---	---	
FEB18	---	---	---	---	---	---	---	---	3	---	---	---	
MAR18	---	---	---	---	---	---	---	---	3	---	---	---	
APR18	---	---	---	---	---	---	---	---	6	---	---	---	
MAY18	---	---	---	---	---	---	---	---	1	---	---	---	
JUN18	---	---	---	---	---	---	---	---	1	---	---	---	
									30				
EUROPEAN NAPHTHA BALMO													
16NOV17	---	---	---	---	---	---	---	---	3	---	---	---	
									3				
EUROPEAN NAPHTHA CRACK SPREAD													
DEC17	---	---	---	---	---	---	---	---	174	---	---	---	
JAN18	---	---	---	---	---	---	---	---	50	---	---	---	
									224				
FUEL OIL CARGOES VS.BARGES													
FUEL OIL CRACK VS ICE													
G. COAST #6 FUEL OIL 3.0% VS BRENT													
JAN18	---	---	---	---	---	---	---	---	50	---	---	---	
									50				
GAS EUROBOB (ARGUS) BALMO													
GAS EURO-BOB OXY (ARG) CRACK													
DEC17	---	---	---	---	---	---	---	---	212	---	---	---	
JAN18	---	---	---	---	---	---	---	---	117	---	---	---	
FEB18	---	---	---	---	---	---	---	---	117	---	---	---	
MAR18	---	---	---	---	---	---	---	---	117	---	---	---	
APR18	---	---	---	---	---	---	---	---	92	---	---	---	
MAY18	---	---	---	---	---	---	---	---	92	---	---	---	
JUN18	---	---	---	---	---	---	---	---	92	---	---	---	
									839				
GAS EURO-BOB OXY (ARG) NEW BRG													
DEC17	---	---	---	---	---	---	---	---	39	---	---	---	
JAN18	---	---	---	---	---	---	---	---	80	---	---	---	
FEB18	---	---	---	---	---	---	---	---	50	---	---	---	
MAR18	---	---	---	---	---	---	---	---	15	---	---	---	
APR18	---	---	---	---	---	---	---	---	25	---	---	---	
MAY18	---	---	---	---	---	---	---	---	10	---	---	---	
									219				
GASOIL (ICE) CRACK SPREAD													
GASOIL 0.1 RDAM BRGS VS ICE													
GASOIL 0.1 ROTTERDAM BARGES SW													
JAN18	---	---	---	---	---	---	---	---	5	---	---	---	
									5				
GASOIL 0.1CIF MED VS ICE GAS													
GASOIL 10PPM VS ICE													
GASOIL BULLET													
GASOIL CALENDAR													
GASOIL CRACK SPREAD CALENDAR													
APR18	---	---	---	---	---	---	---	---	50	---	---	---	
MAY18	---	---	---	---	---	---	---	---	50	---	---	---	
JUN18	---	---	---	---	---	---	---	---	50	---	---	---	
									150				
GASOIL MINI CALENDAR													
FEB18	---	---	---	---	---	---	---	---	12	---	---	---	
JAN19	---	---	---	---	---	---	---	---	1	---	---	---	
FEB19	---	---	---	---	---	---	---	---	1	---	---	---	
MAR19	---	---	---	---	---	---	---	---	1	---	---	---	
APR19	---	---	---	---	---	---	---	---	1	---	---	---	
MAY19	---	---	---	---	---	---	---	---	1	---	---	---	
JUN19	---	---	---	---	---	---	---	---	1	---	---	---	
JUL19	---	---	---	---	---	---	---	---	1	---	---	---	
AUG19	---	---	---	---	---	---	---	---	1	---	---	---	
SEP19	---	---	---	---	---	---	---	---	1	---	---	---	
OCT19	---	---	---	---	---	---	---	---	1	---	---	---	
NOV19	---	---	---	---	---	---	---	---	1	---	---	---	
DEC19	---	---	---	---	---	---	---	---	1	---	---	---	
									24				
GROUP THREE ULSD (PLATTS)													
GRP THREE ULSD(PLT)VS HEAT OIL													
DEC17	---	---	---	---	---	---	---	---	75	---	---	---	
									75				

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PG61	BULLETIN #222@	ENERGY FUTURES PRODUCTS										Thu, Nov 16, 2017	PG61
	DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS DAILY TOTAL	TAS DAILY TOTAL	
JUL18	---	---	---	---	---	---	---	---	105	---	---	---	
AUG18	---	---	---	---	---	---	---	---	105	---	---	---	
SEP18	---	---	---	---	---	---	---	---	105	---	---	---	
									210				
GULF COAST JET FUEL CLNDR													
GULF COAST JET VS NYM 2 HO SPRD													
DEC17	---	---	---	---	---	---	---	---	925	---	---	---	
JAN18	---	---	---	---	---	---	---	---	400	---	---	---	
FEB18	---	---	---	---	---	---	---	---	225	---	---	---	
MAR18	---	---	---	---	---	---	---	---	225	---	---	---	
APR18	---	---	---	---	---	---	---	---	30	---	---	---	
MAY18	---	---	---	---	---	---	---	---	30	---	---	---	
JUN18	---	---	---	---	---	---	---	---	30	---	---	---	
									1865				
GULF COAST NO.6 FUEL OIL CRACK													
GULF COAST ULSD CALENDAR													
GULF COAST ULSD CRACK SPREAD													
GULF CST UNL 87 GAS M2 V. RBOB BLMO													
GULF UNL87 M2 PL CRACK SPRD F													
GULF UNL87 M2 PL VS RBOB SPR F													
DEC17	---	---	---	---	---	---	---	---	650	---	---	---	
JAN18	---	---	---	---	---	---	---	---	250	---	---	---	
APR18	---	---	---	---	---	---	---	---	50	---	---	---	
MAY18	---	---	---	---	---	---	---	---	50	---	---	---	
JUN18	---	---	---	---	---	---	---	---	50	---	---	---	
									1050				
HEATING OIL VS. BRENT CRACK SPREAD													
JAPAN C&F NAPHTHA													
DEC17	---	---	---	---	---	---	---	---	30	---	---	---	
JAN18	---	---	---	---	---	---	---	---	2	---	---	---	
FEB18	---	---	---	---	---	---	---	---	2	---	---	---	
MAR18	---	---	---	---	---	---	---	---	2	---	---	---	
									36				
JAPAN C&F NAPHTHA CRACK SPREAD													
JAPAN C&F NAPHTHA DUBAI (PLATTS) CR													
JET AVIA FUEL(PLTT) CRGS FOB M													
JET AVIA FUEL(PLTT) FOB V. ICE													
JET CIF NWE VS ICE													
JAN18	---	---	---	---	---	---	---	---	10	---	---	---	
OCT18	---	---	---	---	---	---	---	---	5	---	---	---	
NOV18	---	---	---	---	---	---	---	---	5	---	---	---	
DEC18	---	---	---	---	---	---	---	---	5	---	---	---	
									25				
JET FUEL CRG CIF NEW VS ICE BLM													
JET FUEL UP-DOWN BALMO CLNDR S													
16NOV17	---	---	---	---	---	---	---	---	125	---	---	---	
									125				
LA CARB DIESEL (OPIS)													
LA CARBOB GASOLINE(OPIS)													
LA JET (OPIS)													
MIN ARGUS PROPANE SAUDI ARAMCO													
MIN EURO NPHTHA CIF NWE													
DEC17	---	---	---	---	---	---	---	---	120	---	---	---	
									120				
MIN GSL .1 PLTS CRGS CIFNWE VS GSL													
MIN JAPAN C&F NAPHTHA PLATTS													
DEC17	---	---	---	---	---	---	---	---	60	---	---	---	
JAN18	---	---	---	---	---	---	---	---	10	---	---	---	
FEB18	---	---	---	---	---	---	---	---	10	---	---	---	
MAR18	---	---	---	---	---	---	---	---	10	---	---	---	
									90				
MIN JETKERO CRGOS CIF NWE VS GASOIL													
MIN SPORE FUELOIL380CST(PLTS) BALMO													
MIN ULSD 10PPM CRGOS CIF MED VS GSL													
MIN ULSD 10PPM CRGOS CIF NWE VS GSL													
DEC17	---	---	---	---	---	---	---	---	10	---	---	---	
									10				
MINI 3.5% FUEL OIL CAR MED													
MINI ARGUS PROPANE FAR EAST IDX													
MAY18	---	---	---	---	---	---	---	---	10	---	---	---	
JUN18	---	---	---	---	---	---	---	---	10	---	---	---	
									20				
MINI EU 1%FO BARGE FOB RDAM FUT													
MINI EU 1%FO CARGO FOB NWE BALMO F													
MINI EU 1%FO CARGO FOB NWE FUT													
MINI EU 3.5%FO BARGE FOB RDAM FUT													
NOV17	---	---	---	---	---	---	---	---	10	---	---	---	
DEC17	---	---	---	---	---	---	---	---	10	---	---	---	
JAN18	---	---	---	---	---	---	---	---	10	---	---	---	
FEB18	---	---	---	---	---	---	---	---	10	---	---	---	
MAR18	---	---	---	---	---	---	---	---	10	---	---	---	
APR18	---	---	---	---	---	---	---	---	12	---	---	---	
MAY18	---	---	---	---	---	---	---	---	12	---	---	---	
JUN18	---	---	---	---	---	---	---	---	12	---	---	---	
JUL18	---	---	---	---	---	---	---	---	12	---	---	---	
AUG18	---	---	---	---	---	---	---	---	12	---	---	---	
SEP18	---	---	---	---	---	---	---	---	12	---	---	---	
OCT18	---	---	---	---	---	---	---	---	12	---	---	---	
NOV18	---	---	---	---	---	---	---	---	12	---	---	---	

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DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS DAILY TOTAL	TAS DAILY TOTAL	
168												
MINI RBOB V. EBOBARG NWE BRGS BALMO												
MINI SINGAPORE 380CST FUEL OIL												
DEC17	---	---	---	---	---	---	---	---	117	---	---	
FEB18	---	---	---	---	---	---	---	---	18	---	---	
JUL19	---	---	---	---	---	---	---	---	18	---	---	
153												
MINI SINGAPORE FO 180 CST FUT												
MINI SINGAPORE GASOIL PLATS FUT												
JAN18	---	---	---	---	---	---	---	---	10	---	---	
10												
MOGAS92 UNLEADED (PLATTS)												
MOGAS92 UNLEADED (PLTS) BLM SW												
MT BELVIEU LDH ISO-BUTANE(OPIS)												
NAPHTHA (PLATTS) NWE CRACK												
DEC17	---	---	---	---	---	---	---	---	15	---	---	
JAN18	---	---	---	---	---	---	---	---	5	---	---	
20												
NEW YORK FUEL OIL 1% V. EURO 1% FO												
NWE EUR FUEL OIL HGHLOW SULF BALMO												
NY 3% FUEL OIL V GULF COAST NO6 3%												
NY BUCKEYE JET FUEL VS NY HARB ULSD												
DEC17	---	---	---	---	---	---	---	---	200	---	---	
200												
NY HARBOR LOW SULPUR GAS 1000MBBL												
NY HARBOR RESIDUAL FUEL 1.0% S												
JAN18	---	---	---	---	---	---	---	---	25	---	---	
MAR18	---	---	---	---	---	---	---	---	25	---	---	
50												
NY ULSD(ARGUS) VS HO SPREAD												
NY1% VS GC SPREAD												
DEC17	---	---	---	---	---	---	---	---	175	---	---	
175												
NYH NO 2 CRACK SPREAD CAL												
NYMEX HEATING OIL FUTURES												
NYMEX NY HARBOR HEAT OIL CLNDR												
NYMEX RBOB GASOLINE FUTURES												
NYM-SINGAPORE FUEL OIL 380CST CRK S												
PREMIUM UNLD 10P FOB MED												
PREMIUM UNLEAD 10PPM FOB BLMO												
RBOB CALENDAR FUTURE												
DEC17	---	---	---	---	---	---	---	---	654	---	---	
JAN18	---	---	---	---	---	---	---	---	75	---	---	
FEB18	---	---	---	---	---	---	---	---	45	---	---	
774												
RBOB CRACK SPREAD												
RBOB GAS VS EUROBOB(ARGUS) NWE BRGS												
DEC17	---	---	---	---	---	---	---	---	41	---	---	
JAN18	---	---	---	---	---	---	---	---	10	---	---	
FEB18	---	---	---	---	---	---	---	---	35	---	---	
MAR18	---	---	---	---	---	---	---	---	10	---	---	
APR18	---	---	---	---	---	---	---	---	5	---	---	
MAY18	---	---	---	---	---	---	---	---	5	---	---	
JUN18	---	---	---	---	---	---	---	---	5	---	---	
111												
RBOB GAS VS. BRENT CRCK SPRD												
DEC17	---	---	---	---	---	---	---	---	75	---	---	
APR18	---	---	---	---	---	---	---	---	100	---	---	
MAY18	---	---	---	---	---	---	---	---	100	---	---	
JUN18	---	---	---	---	---	---	---	---	100	---	---	
375												
RBOB GASOLINE BALMO CLNDR												
RBOB SPREAD (PLATTS)												
RBOB VS HEATING OIL												
SG VISCOSITY SPREAD BALMO												
SING 380 FUEL OIL VS FUEL OIL ROTDM												
DEC17	---	---	---	---	---	---	---	---	10	---	---	
JAN18	---	---	---	---	---	---	---	---	35	---	---	
FEB18	---	---	---	---	---	---	---	---	25	---	---	
MAR18	---	---	---	---	---	---	---	---	25	---	---	
APR18	---	---	---	---	---	---	---	---	15	---	---	
MAY18	---	---	---	---	---	---	---	---	15	---	---	
JUN18	---	---	---	---	---	---	---	---	15	---	---	
140												
SINGAPORE 180CST BALMO												
SINGAPORE 380CST BALMO												
SINGAPORE 380CST FUEL OIL												
DEC17	---	---	---	---	---	---	---	---	66	---	---	
JAN18	---	---	---	---	---	---	---	---	195	---	---	
FEB18	---	---	---	---	---	---	---	---	165	---	---	
MAR18	---	---	---	---	---	---	---	---	10	---	---	
APR18	---	---	---	---	---	---	---	---	10	---	---	
MAY18	---	---	---	---	---	---	---	---	10	---	---	
JUN18	---	---	---	---	---	---	---	---	10	---	---	
OCT18	---	---	---	---	---	---	---	---	1	---	---	
NOV18	---	---	---	---	---	---	---	---	1	---	---	
DEC18	---	---	---	---	---	---	---	---	1	---	---	
APR19	---	---	---	---	---	---	---	---	1	---	---	

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DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS DAILY TOTAL	TAS DAILY TOTAL
SPORE FUEL OIL 180CST 6.35 DUBAI CK												
									471			
SPORE MOGAS92 UNLD BRENT SPRD												
SPORE MOGAS92 UNLD DUBAI SPRD												
ULSD 10PPM CIF MED VS ICE GAS												
ULSD UP-DOWN BALMO												
16NOV17	---	---	---	---	---	---	---	---	50	---	---	---
									50			
UP DOWN GC ULSD VS NMX HO SPRD												
DEC17	---	---	---	---	---	---	---	---	1025	---	---	---
JUL18	---	---	---	---	---	---	---	---	20	---	---	---
AUG18	---	---	---	---	---	---	---	---	20	---	---	---
SEP18	---	---	---	---	---	---	---	---	20	---	---	---
OCT18	---	---	---	---	---	---	---	---	10	---	---	---
NOV18	---	---	---	---	---	---	---	---	10	---	---	---
DEC18	---	---	---	---	---	---	---	---	10	---	---	---
									1115			

NGL PETROCHEM EX-PIT BREAKDOWN

DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS DAILY TOTAL	TAS DAILY TOTAL
ARGS FAR E NDX VS EUR CIF ARA												
DEC17	---	---	---	---	---	---	---	---	5	---	---	---
									5			
ARGUS PROPAN FAR EST INDEX												
DEC17	---	---	---	---	---	---	---	---	30	---	---	---
JAN18	---	---	---	---	---	---	---	---	18	---	---	---
FEB18	---	---	---	---	---	---	---	---	7	---	---	---
MAR18	---	---	---	---	---	---	---	---	9	---	---	---
APR18	---	---	---	---	---	---	---	---	15	---	---	---
MAY18	---	---	---	---	---	---	---	---	5	---	---	---
JUN18	---	---	---	---	---	---	---	---	1	---	---	---
									85			
ARGUS PROPAN(SAUDI ARAMCO)												
DEC17	---	---	---	---	---	---	---	---	34	---	---	---
JAN18	---	---	---	---	---	---	---	---	6	---	---	---
									40			
ARGUS PROPANE FAR E INDX BALMO												
CONWAY NAT GASOLINE												
CONWAY NORMAL BUTANE												
CONWAY PROPANE (OPIS) BALMO												
CONWAY PROPANE 5 DEC.												
DEC17	---	---	---	---	---	---	---	---	70	---	---	---
JAN18	---	---	---	---	---	---	---	---	40	---	---	---
FEB18	---	---	---	---	---	---	---	---	20	---	---	---
MAR18	---	---	---	---	---	---	---	---	40	---	---	---
APR18	---	---	---	---	---	---	---	---	10	---	---	---
MAY18	---	---	---	---	---	---	---	---	10	---	---	---
JUN18	---	---	---	---	---	---	---	---	10	---	---	---
									200			
EUR PROPANE CIF ARA ARGUS BALMO												
16NOV17	---	---	---	---	---	---	---	---	6	---	---	---
									6			
EURO PROPANE CIF ARA												
DEC17	---	---	---	---	---	---	---	---	23	---	---	---
JAN18	---	---	---	---	---	---	---	---	9	---	---	---
FEB18	---	---	---	---	---	---	---	---	6	---	---	---
APR18	---	---	---	---	---	---	---	---	3	---	---	---
MAY18	---	---	---	---	---	---	---	---	3	---	---	---
JUN18	---	---	---	---	---	---	---	---	1	---	---	---
									45			
MINI EURO PROPANE CIF ARA ARGUS FUT												
MT BELVIEU ETHANE BALMO												
MT BELVIEU LDH PROPANE BALMO												
17NOV17	---	---	---	---	---	---	---	---	100	---	---	---
									100			
MT BELVIEU NAT GASOLINE BALMO												
MT BELVIEU NORMAL BUTANE BALM												
MT BELVIEU ETHANE 5-DCML (OPIS)												
JAN18	---	---	---	---	---	---	---	---	35	---	---	---
									35			
MT BELVIEU ETHYLENE (PCW) FINCL												
MT BELVIEU ETHYLENE IN-WELL (PCW)												
MT BELVIEU ISO BUTANE 5 DEC. S												
MT BELVIEU NAT GAS 5-DCML (OPIS)												
DEC17	---	---	---	---	---	---	---	---	205	---	---	---
JAN18	---	---	---	---	---	---	---	---	297	---	---	---
FEB18	---	---	---	---	---	---	---	---	62	---	---	---
MAR18	---	---	---	---	---	---	---	---	62	---	---	---
APR18	---	---	---	---	---	---	---	---	52	---	---	---
MAY18	---	---	---	---	---	---	---	---	52	---	---	---
JUN18	---	---	---	---	---	---	---	---	52	---	---	---
JUL18	---	---	---	---	---	---	---	---	52	---	---	---
AUG18	---	---	---	---	---	---	---	---	52	---	---	---
SEP18	---	---	---	---	---	---	---	---	52	---	---	---
OCT18	---	---	---	---	---	---	---	---	62	---	---	---
NOV18	---	---	---	---	---	---	---	---	62	---	---	---
DEC18	---	---	---	---	---	---	---	---	62	---	---	---
									1124			

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MAY18	---	---	---	---	---	---	---	---	165	---	---
JUN18	---	---	---	---	---	---	---	---	165	---	---
JUL18	---	---	---	---	---	---	---	---	65	---	---
AUG18	---	---	---	---	---	---	---	---	40	---	---
SEP18	---	---	---	---	---	---	---	---	40	---	---
OCT18	---	---	---	---	---	---	---	---	30	---	---
NOV18	---	---	---	---	---	---	---	---	30	---	---
DEC18	---	---	---	---	---	---	---	---	30	---	---
JAN19	---	---	---	---	---	---	---	---	75	---	---
FEB19	---	---	---	---	---	---	---	---	75	---	---
MAR19	---	---	---	---	---	---	---	---	75	---	---
APR19	---	---	---	---	---	---	---	---	300	---	---
MAY19	---	---	---	---	---	---	---	---	300	---	---
JUN19	---	---	---	---	---	---	---	---	300	---	---
JUL19	---	---	---	---	---	---	---	---	225	---	---
AUG19	---	---	---	---	---	---	---	---	225	---	---
SEP19	---	---	---	---	---	---	---	---	225	---	---
									2200		
PROPANE NON LDH MT BELVIEU											
DEC17	---	---	---	---	---	---	---	---	150	---	---
									150		

ETHANOL EX-PIT BREAKDOWN

	DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS DAILY TOTAL
CHICAGO ETHANOL											
NOV17	---	---	---	---	---	---	---	---	60	---	---
DEC17	---	---	---	---	---	---	---	---	1110	---	---
JAN18	---	---	---	---	---	---	---	---	820	---	---
FEB18	---	---	---	---	---	---	---	---	205	---	---
MAR18	---	---	---	---	---	---	---	---	242	---	---
APR18	---	---	---	---	---	---	---	---	10	---	---
MAY18	---	---	---	---	---	---	---	---	10	---	---
JUN18	---	---	---	---	---	---	---	---	95	---	---
JUL18	---	---	---	---	---	---	---	---	45	---	---
AUG18	---	---	---	---	---	---	---	---	10	---	---
SEP18	---	---	---	---	---	---	---	---	10	---	---
									2617		
ETHANOL(PL) T2 FOB RTRDM INCL											
DEC17	---	---	---	---	---	---	---	---	40	---	---
JAN18	---	---	---	---	---	---	---	---	10	---	---
FEB18	---	---	---	---	---	---	---	---	20	---	---
MAR18	---	---	---	---	---	---	---	---	20	---	---
APR18	---	---	---	---	---	---	---	---	40	---	---
MAY18	---	---	---	---	---	---	---	---	40	---	---
JUN18	---	---	---	---	---	---	---	---	40	---	---
JUL18	---	---	---	---	---	---	---	---	40	---	---
AUG18	---	---	---	---	---	---	---	---	40	---	---
SEP18	---	---	---	---	---	---	---	---	40	---	---
OCT18	---	---	---	---	---	---	---	---	20	---	---
NOV18	---	---	---	---	---	---	---	---	20	---	---
DEC18	---	---	---	---	---	---	---	---	20	---	---
									390		
NEW YORK ETHANOL											
DEC17	---	---	---	---	---	---	---	---	25	---	---
									25		

ELECTRICITY EX-PIT BREAKDOWN

	DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS DAILY TOTAL
AEP-DAYTON HUB DAILY											
AEP-DAYTON HUB OFF-PEAK MONTHLY											
AER-DAYTON HUB MTHLY											
CIN HUB 5MW D AH O PK											
CIN HUB 5MW D AH PK											
CIN HUB 5MW REAL TIME O PK											
CIN HUB 5MW REAL TIME PK											
CINERGY HUB OFF-PEAK MONTH											
CINERGY HUB PEAK MONTH											
ERCOT HSTN Z MCPE 5 MW PEAK SW											
ERCOT NRTH Z MCPE 5 MW OFFPK S											
ERCOT NRTH Z MCPE 5 MW PEAK SW											
ISO NEW ENG MASS HUB DA OP DAILY											
ISO NEW ENGLAND OFF-PEAK LMP											
ISO NEW ENGLAND PEAK LMP											
MIDWEST ISO MICHIGAN HUB 5MW PEAK C											
MISO INDIANA HUB 5MW OFPK CALDAY DA											
MISO INDIANA HUB 5MW OFPK CALDAY RT											
MISO INDIANA HUB 5MW PK CAL DAYHD											
MISO INDIANA HUB 5MW PK CAL-DAY RT											
MISO MICHIGAN HUB OF-PK DA MONTHLY											
N ILLINOIS HUB DAILY											
N ILLINOIS HUB MTHLY											
NEPOOL CNCTCT 5MW D AH O PK											
NEPOOL CONECTIC 5MW D AH PK											
NEPOOL INTR HUB 5MW D AH O PK											
NEPOOL INTR HUB 5MW D AH PK											
NEPOOL NE MASS 5MW D AH O PK											

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PG61 BULLETIN #222@ ENERGY FUTURES PRODUCTS Thu, Nov 16, 2017 PG61

DELIVERY----- CASH OR PHY MONTH- SETTLED TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK TAS DAILY TOTAL	TAS DAILY TOTAL
NEW ENGLAND HUB PEAK DAILY									
NEW YORK HUB ZONE G PEAK DAILY									
NEW YORK HUB ZONE J PEAK DAILY									
NYISO J									
NYISO J OFF-PEAK									
NYISO LOW HUD VAL CAP FUT									
NYISO NYC IN-CITY CAPACITY CAL MO									
NYISO REST OF STATE CAPACITY CAL MO									
NYISO ZONE A 5MW D AH O PK									
NYISO ZONE A 5MW D AH PK									
NYISO ZONE A DA OP DAILY									
NYISO ZONE A LBMP FUTURE									
NYISO ZONE E 5MW DAY AHEAD OFF-PEAK									
NYISO ZONE E 5MW DAY AHEAD PEAK									
NYISO ZONE F 5MW DAY AHEAD OFF-PEAK									
NYISO ZONE F 5MW DAY AHEAD PEAK									
NYISO ZONE G 5MW D AH O PK									
NYISO ZONE G 5MW D AH PK									
NYISO ZONE G DA OP DAILY									
NYISO ZONE J 5MW D AH O PK									
NYISO ZONE J 5MW D AH PK									
NYISO ZONE J DA OP DAILY									
ONTARIO OFF-PK CALENDAR DAY FUT									
ONTARIO OFF-PK CAL-MO FUT									
ONTARIO PEAK CAL-DAY FUT									
ONTARIO PEAK CAL-MONTH FUT									
PJM AD HUB 5MW REAL TIME O PK									
PJM AD HUB 5MW REAL TIME PK									
PJM AEP DAYTON HUB DA OP DAILY									
PJM AEP DAYTON HUB DA PEAK DAILY									
PJM AEP DAYTON HUB RT OP DAILY									
PJM ASTI ZONE PEAK DA MO									
PJM ATSI ZONE MONTHLY DAILY									
PJM BGE DA OFF-PEAK									
PJM BGE DA PEAK									
PJM COMED 5MW D AH O PK									
PJM COMED 5MW D AH PK									
PJM DAILY									
PJM DAYTON DA OFF-PEAK									
PJM DAYTON DA PEAK									
PJM METED ZONE OFFPK CAL LMP									
PJM METED ZONE PEAK CAL LMP									
PJM MONTHLY									
PJM NI HUB 5MW REAL TIME O PK									
PJM NI HUB 5MW REAL TIME PK									
PJM NILL DA OFF-PEAK									
PJM NILL DA PEAK									
PJM NORTERN ILL HUB DA OP DAILY									
PJM NORTERN ILL HUB DA PEAK DAILY									
PJM NORTERN ILL HUB RT OP DAILY									
PJM OFF-PEAK LMP FUTURE									
PJM PSEG DA OFF-PEAK									
PJM PSEG DA PEAK									
PJM WESTERN HUB DA OP DAILY FUT									
PJM WESTERN HUB DA PEAK DAILY									
PJM WESTERN HUB RT OP DAILY									
PJM WESTH DA OFF-PEAK									
PJM WESTH RT OFF-PEAK									
PJM WESTH RT PEAK									
PJM WESTHDA PEAK									

COAL EX-PIT BREAKDOWN

DELIVERY----- CASH OR PHY MONTH- SETTLED TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK TAS DAILY TOTAL	TAS DAILY TOTAL
AUSTRALIAN COKING (PLATTS) LOW VOL									
COAL API2 CIF ARA ARG-MCCLOSKEY									
NOV17	---	---	---	---	---	---	55	---	---
DEC17	---	---	---	---	---	---	110	---	---
JAN18	---	---	---	---	---	---	98	---	---
FEB18	---	---	---	---	---	---	53	---	---
MAR18	---	---	---	---	---	---	68	---	---
APR18	---	---	---	---	---	---	48	---	---
MAY18	---	---	---	---	---	---	48	---	---
JUN18	---	---	---	---	---	---	48	---	---
JUL18	---	---	---	---	---	---	48	---	---
AUG18	---	---	---	---	---	---	48	---	---
SEP18	---	---	---	---	---	---	48	---	---
OCT18	---	---	---	---	---	---	48	---	---
NOV18	---	---	---	---	---	---	48	---	---

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	DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK TAS DAILY TOTAL	TAS DAILY TOTAL
DEC18	---	---	---	---	---	---	---	---	48	---	---
JAN19	---	---	---	---	---	---	---	---	12	---	---
FEB19	---	---	---	---	---	---	---	---	12	---	---
MAR19	---	---	---	---	---	---	---	---	12	---	---
APR19	---	---	---	---	---	---	---	---	12	---	---
MAY19	---	---	---	---	---	---	---	---	12	---	---
JUN19	---	---	---	---	---	---	---	---	12	---	---
JUL19	---	---	---	---	---	---	---	---	12	---	---
AUG19	---	---	---	---	---	---	---	---	12	---	---
SEP19	---	---	---	---	---	---	---	---	12	---	---
OCT19	---	---	---	---	---	---	---	---	12	---	---
NOV19	---	---	---	---	---	---	---	---	12	---	---
DEC19	---	---	---	---	---	---	---	---	12	---	---
JAN20	---	---	---	---	---	---	---	---	2	---	---
FEB20	---	---	---	---	---	---	---	---	2	---	---
MAR20	---	---	---	---	---	---	---	---	2	---	---
APR20	---	---	---	---	---	---	---	---	2	---	---
MAY20	---	---	---	---	---	---	---	---	2	---	---
JUN20	---	---	---	---	---	---	---	---	2	---	---
JUL20	---	---	---	---	---	---	---	---	2	---	---
AUG20	---	---	---	---	---	---	---	---	2	---	---
SEP20	---	---	---	---	---	---	---	---	2	---	---
OCT20	---	---	---	---	---	---	---	---	2	---	---
NOV20	---	---	---	---	---	---	---	---	2	---	---
DEC20	---	---	---	---	---	---	---	---	2	---	---
									984		
COAL API4 RCH BAY ARGS MCCLOSKEY SW											
NOV17	---	---	---	---	---	---	---	---	5	---	---
DEC17	---	---	---	---	---	---	---	---	105	---	---
JAN18	---	---	---	---	---	---	---	---	15	---	---
FEB18	---	---	---	---	---	---	---	---	15	---	---
MAR18	---	---	---	---	---	---	---	---	15	---	---
									155		
COAL API5 FOB NEWCASTLE ARG/MC FUT											
DEC17	---	---	---	---	---	---	---	---	5	---	---
									5		
EASTERN RAIL DELIVERY CSX COAL											
FOB AUS PREMIUM HARD COKING COAL											
WESTERN RAIL DELIVERY PRB COAL											

FREIGHT EX-PIT BREAKDOWN

	DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK TAS DAILY TOTAL	TAS DAILY TOTAL
FREIGHT ROUTE LIQUID PETROLEUM GAS											
TC2 ROTTERDAM TO USAC 37K MT											
TD3 MEG TO JAPAN 250K MT											

PLASTICS EX-PIT BREAKDOWN

	DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK TAS DAILY TOTAL	TAS DAILY TOTAL
PGP POLYMER GRD PROPYLENE CAL											

TRADE AT MARKER PRODUCTS

			VOLUME	BLOCK VOL	MARKER PRICE
BZL	BZL	BRENT CRUDE TAM LONDON			
JAN18			----	----	62.08
FEB18			----	----	61.95
MAR18			----	----	61.77
TOTAL	BRENT CRUDE TAM LONDON		----	----	
BZS	BZS	BRENT CRUDE TAM SINGAPORE			
JAN18			----	----	62.08
FEB18			----	----	61.95
MAR18			----	----	61.77
TOTAL	BRENT CRUDE TAM SINGAPORE		----	----	
CLL	CLL	CRUDE OIL TRADE AT MARKER LONDON			
DEC17			----	----	55.44
JAN18			----	----	55.65
FEB18			----	----	55.79
TOTAL	CRUDE OIL TRADE AT MARKER LONDON		----	----	
CLS	CLS	CRUDE OIL TRADE AT MARKER SINGAPORE			
DEC17			----	----	55.44
JAN18			----	----	55.65
FEB18			----	----	55.79
TOTAL	CRUDE OIL TRADE AT MARKER SINGAPORE		----	----	
HOL	HOL	HEATING OIL TAM AT LONDON			
DEC17			----	----	1.9089
JAN18			----	----	1.9118
FEB18			----	----	1.9098
TOTAL	HEATING OIL TAM AT LONDON		----	----	
RBL	RBL	RBOB GASOLINE TAM LONDON			
DEC17			----	----	1.7274
JAN18			----	----	1.7237
FEB18			----	----	1.729
TOTAL	RBOB GASOLINE TAM LONDON		----	----	

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