



PG61 BULLETIN # 99@

ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 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)	NYMEX HEATING OIL (PHYSICAL)	SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
JUN19	----	----	62.99 UNCH	----	----	0 - 875
JUL19	61.31	61.41 /57.33	57.91 - 3.51	1100204	7848	438307 - 3326
AUG19	61.35	61.48 /57.42	57.99 - 3.51	140775	2204	170446 + 267
SEP19	61.37	61.46B/57.44	57.99 - 3.49	77968	530	194901 - 9005
OCT19	61.25	61.32 /57.37	57.91 - 3.46	50107	----	132738 + 3263
NOV19	61.17	61.17 /57.23	57.77 - 3.43	33662	----	115691 + 6580
DEC19	60.91	60.94 /57.02	57.57 - 3.40	91022	2685	253877 - 2093
JAN20	60.52	60.52 /56.96	57.34 - 3.34	13467	----	62578 + 2222
FEB20	59.90	60.04 /56.57	57.08 - 3.29	9984	----	44835 + 1171
MAR20	59.68	59.72B/56.29A	56.82 - 3.24	13271	228	46342 + 114
APR20	57.38	57.38 /56.17	56.55 - 3.19	4718	----	32884 + 243
MAY20	59.00	59.00 /55.81A	56.30 - 3.13	3447	----	34143 + 13
JUN20	58.99	59.09B/55.53	56.04 - 3.08	26564	1437	113287 + 839
JUL20	58.20	58.20 /55.31A	55.76 - 3.02	754	----	29599 + 98
AUG20	55.70	55.80 /55.08A	55.51 - 2.95	581	----	17812 + 144
SEP20	54.83	55.30 /54.83	55.26 - 2.91	4929	267	36795 + 738
OCT20	----	55.08A	55.06 - 2.84	1550	----	23647 + 281
NOV20	----	54.90A	54.88 - 2.77	794	----	17969 + 143
DEC20	57.33	57.33 /54.26	54.72 - 2.70	39176	666	152748 + 1730
JAN21	----	54.61A	54.48 - 2.65	1127	----	17122 + 872
FEB21	----	54.82A	54.27 - 2.58	78	----	8411 - 9
MAR21	----	54.64A	54.07 - 2.52	172	----	8949 + 41
APR21	----	54.49A	53.89 - 2.46	----	----	5075 UNCH
MAY21	----	54.36A	53.75 - 2.37	1	----	3407 UNCH
JUN21	55.58	55.58 /53.24A	53.62 - 2.32	6107	----	21335 + 324
JUL21	----	54.06A	53.45 - 2.26	----	----	6743 UNCH
AUG21	----	53.94A	53.28 - 2.22	----	----	4034 UNCH
SEP21	----	53.85A	53.14 - 2.17	----	----	6694 UNCH
OCT21	----	53.78A	53.03 - 2.11	60	----	2999 + 60
NOV21	----	----	52.94 - 2.08	82	----	2403 UNCH
DEC21	54.64	54.77 /52.62A	52.88 - 2.04	9752	2800	55848 + 1744
JAN22	----	----	52.74 - 2.00	----	10	1903 - 10
FEB22	----	----	52.61 - 1.95	25	10	1460 + 15
MAR22	----	----	52.49 - 1.92	----	10	2249 UNCH
APR22	----	----	52.39 - 1.86	----	10	689 - 10
MAY22	----	----	52.29 - 1.81	----	10	1728 - 10
JUN22	----	----	52.26 - 1.75	1495	10	7099 + 32
JUL22	----	----	52.18 - 1.69	----	10	207 - 10
AUG22	----	----	52.09 - 1.68	----	10	195 - 10
SEP22	----	----	52.05 - 1.63	----	10	641 UNCH
OCT22	----	----	52.02 - 1.58	----	10	188 - 10
NOV22	----	----	52.04 - 1.54	----	10	188 - 10
DEC22	53.21	53.33B/51.89A	52.07 - 1.52	2802	310	17054 + 754
JUN23	----	----	51.80 - 1.41	24	----	44 + 18
DEC23	52.00	52.00 /52.00	52.00 - 1.22	728	----	4971 - 108
JUN24	----	----	51.95 - 1.16	----	----	6 UNCH
DEC24	----	53.12A	52.21 - 1.02	858	----	1749 - 171
DEC25	----	----	52.37 - 0.88	1006	----	586 - 10
DEC26	----	----	52.48 - 0.85	511	----	512 + 498
MAY27	----	----	52.50 - 0.85	----	----	1 UNCH
OCT27	----	----	52.56 - 0.86	----	----	1 UNCH
NOV27	----	----	52.61 - 0.86	----	----	1 UNCH
DEC27	----	----	52.63 - 0.86	2	----	13 + 1
JAN28	----	----	52.55 - 0.86	----	----	2 UNCH
FEB28	----	----	52.56 - 0.86	----	----	3 UNCH
TOTAL CL FUT				1637803	19085	2103109 + 6538

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CME Group, Inc.

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

Customer Service: (312) 930-1000

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	HO FUT	RB FUT	NG FUT	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
NYMEX HEATING OIL (PHYSICAL)									
NOV22	----			1.8557	- 0.0575	----	----	----	1 UNCH
DEC22	----			1.8588	- 0.0575	----	----	----	25 UNCH
TOTAL	HO FUT						230578	12196	410307 + 3363
NYMEX NY HARBOR GAS (RBOB) (PHY)									
JUN19	1.9909			1.9133	- 0.0779		30279	5299	46600 - 7593
JUL19	1.9661			1.8910	- 0.0765		92054	3117	132146 - 384
AUG19	1.9364			1.8562	- 0.0794		36162	525	63217 - 1015
SEP19	1.8979			1.8213	- 0.0811		19618	126	50968 - 521
OCT19	1.7420			1.6684	- 0.0830		12395	750	37054 + 754
NOV19	1.7005			1.6339	- 0.0814		9323	125	20397 + 760
DEC19	1.6714			1.6077	- 0.0810		8733	525	28042 + 132
JAN20	1.6750			1.5975	- 0.0809		1947	365	12773 - 52
FEB20	1.6654			1.5995	- 0.0806		1186	----	5357 + 50
MAR20	1.6609			1.6112	- 0.0809		1021	50	4657 + 167
APR20	1.8209			1.7865	- 0.0803		404	50	2420 + 43
MAY20	1.8307			1.7971	- 0.0800		159	----	1384 - 2
JUN20	1.8115			1.7925	- 0.0792		509	50	3915 + 7
JUL20	----			1.7766	- 0.0791		104	----	668 - 2
AUG20	----			1.7536	- 0.0786		200	----	360 - 2
SEP20	----			1.7229	- 0.0775		164	50	782 - 52
OCT20	1.5950			1.5884	- 0.0766		7	----	355 - 1
NOV20	----			1.5594	- 0.0765		4	----	86 UNCH
DEC20	1.5399			1.5437	- 0.0742		148	----	1243 - 7
JAN21	----			1.5432	- 0.0742		----	----	60 UNCH
FEB21	----			1.5552	- 0.0742		----	----	2 UNCH
MAR21	----			1.5704	- 0.0742		----	----	4 UNCH
MAY21	----			1.7592	- 0.0742		----	----	1 UNCH
JUN21	----			1.7496	- 0.0742		----	----	2 UNCH
DEC21	----			1.4907	- 0.0742		----	----	1 UNCH
JAN23	----			1.4787	- 0.0742		----	----	5 UNCH
TOTAL	RB FUT						214417	11032	412499 - 7718
NATURAL GAS HENRY HUB (PHYSICAL)									
JUN19	2.554			2.578	+ 0.035		103994	14329	25355 - 39080
JUL19	2.567			2.592	+ 0.033		131666	5695	363544 + 11508
AUG19	2.582			2.604	+ 0.030		45521	300	88459 - 5855
SEP19	2.582			2.600	+ 0.028		32738	50	176087 - 1726
OCT19	2.614			2.631	+ 0.027		19037	250	118737 + 22
NOV19	2.694			2.710	+ 0.026		11665	----	83204 + 1221
DEC19	2.869			2.882	+ 0.023		5361	----	99106 - 288
JAN20	2.964			2.975	+ 0.021		7273	----	69878 + 925
FEB20	2.923			2.935	+ 0.019		2112	----	22791 + 296
MAR20	2.806			2.818	+ 0.015		4330	----	36647 + 397
APR20	2.567			2.570	+ 0.005		2571	----	43295 + 60
MAY20	2.540			2.537	+ 0.003		439	----	27286 - 43
JUN20	2.565			2.572	+ 0.004		255	----	14103 + 4
JUL20	2.608			2.609	+ 0.005		364	----	15601 + 139
AUG20	2.619			2.619	+ 0.004		258	----	11149 + 53
SEP20	2.605			2.605	+ 0.004		168	----	10453 - 16
OCT20	2.626			2.626	+ 0.004		579	----	24856 - 112
NOV20	2.680			2.678	+ 0.004		76	----	11209 + 17
DEC20	2.836			2.834	+ 0.004		78	----	9454 + 26
JAN21	2.937			2.931	+ 0.004		196	----	5429 - 33
FEB21	2.899			2.900	+ 0.006		97	----	2967 + 41
MAR21	2.780			2.773	+ 0.008		44	----	5252 + 12
APR21	2.539			2.523	+ 0.012		14	----	4919 + 5
MAY21	2.490			2.493	+ 0.012		1	----	1331 UNCH
JUN21	----			2.524	+ 0.012		----	----	1108 UNCH
JUL21	2.560			2.557	+ 0.012		1	----	1034 + 1
AUG21	----			2.566	+ 0.012		----	----	986 UNCH
SEP21	----			2.559	+ 0.012		----	----	846 UNCH
OCT21	----			2.583	+ 0.012		----	----	1234 UNCH
NOV21	2.646			2.638	+ 0.012		2	----	1043 + 2
DEC21	2.816			2.813	+ 0.012		3	----	1256 UNCH
JAN22	2.941			2.933	+ 0.012		3	----	3512 + 3
FEB22	2.901			2.893	+ 0.012		3	----	338 + 3
MAR22	2.781			2.773	+ 0.012		2	----	365 + 2
APR22	2.528			2.520	+ 0.012		2	----	293 + 2
MAY22	2.500			2.492	+ 0.012		1	----	205 + 1
JUN22	2.531			2.523	+ 0.012		1	----	161 + 1
JUL22	2.566			2.558	+ 0.012		1	----	137 + 1
AUG22	----			2.569	+ 0.012		----	----	156 UNCH
SEP22	----			2.564	+ 0.012		----	----	199 UNCH
OCT22	2.601			2.588	+ 0.012		2	----	158 + 2
NOV22	----			2.648	+ 0.012		----	----	127 UNCH
DEC22	----			2.830	+ 0.012		----	----	125 UNCH
JAN23	----			2.953	+ 0.012		----	----	89 UNCH
FEB23	----			2.910	+ 0.012		----	----	75 UNCH
MAR23	----			2.803	+ 0.012		----	----	76 UNCH
APR23	----			2.578	+ 0.012		----	----	62 UNCH
MAY23	----			2.567	+ 0.012		----	----	59 UNCH
JUN23	----			2.607	+ 0.012		----	----	47 UNCH
JUL23	----			2.649	+ 0.012		----	----	38 UNCH
AUG23	----			2.666	+ 0.012		----	----	64 UNCH
SEP23	----			2.664	+ 0.012		----	----	40 UNCH
OCT23	----			2.693	+ 0.012		----	----	26 UNCH
NOV23	----			2.758	+ 0.012		----	----	17 UNCH
DEC23	----			2.938	+ 0.012		----	----	14 UNCH
JAN24	----			3.062	+ 0.012		----	----	14 UNCH
FEB24	----			3.025	+ 0.012		----	----	14 UNCH
MAR24	----			2.930	+ 0.012		----	----	39 UNCH
APR24	----			2.695	+ 0.012		----	----	28 UNCH
MAY24	----			2.680	+ 0.012		----	----	66 UNCH
JUN24	----			2.709	+ 0.012		----	----	61 UNCH
JUL24	----			2.740	+ 0.012		----	----	61 UNCH
AUG24	----			2.752	+ 0.012		----	----	61 UNCH
SEP24	----			2.748	+ 0.012		----	----	14 UNCH
OCT24	----			2.772	+ 0.012		----	----	11 UNCH
NOV24	----			2.836	+ 0.012		----	----	11 UNCH
DEC24	----			3.002	+ 0.012		----	----	11 UNCH
MAR25	----			3.022	+ 0.012		----	----	11 UNCH
APR25	----			2.805	+ 0.012		----	----	11 UNCH
MAY25	----			2.790	+ 0.012		----	----	12 UNCH
MAR26	----			3.137	+ 0.012		----	----	25 UNCH
APR26	----			2.909	+ 0.012		----	----	25 UNCH
MAR27	----			3.242	+ 0.012		----	----	25 UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
NG FUT NATURAL GAS HENRY HUB (PHYSICAL)								
APR27	----	----	3.014 + 0.012		----	----	25	UNCH
TOTAL NG FUT					368858	20624	1285527	- 32409
BZ FUT NYMEX BRENT OIL LAST DAY FUTURES								
JUL19	70.88	70.93 /67.00	67.76 - 3.23		79063	1424	25161	- 1472
AUG19	69.88	69.88 /65.90	66.50 - 3.49		60915	2305	28379	+ 1192
SEP19	69.09	69.09 /65.05	65.56 - 3.57		30285	225	22641	+ 1071
OCT19	67.86	67.98 /64.50	64.89 - 3.58		17774	200	10644	+ 551
NOV19	67.46	67.50 /63.93	64.42 - 3.58		13049	1041	10249	+ 304
DEC19	67.00	67.27 /63.63	64.07 - 3.56		21102	226	46052	+ 385
JAN20	66.77	66.82 /63.72	63.75 - 3.52		3765	633	8144	+ 179
FEB20	63.00	63.00 /63.00	63.45 - 3.50		2570	----	5052	+ 29
MAR20	----	----	63.19 - 3.45		3369	----	5714	+ 163
APR20	65.15	65.15 /65.15	62.96 - 3.38		1160	----	3551	- 46
MAY20	65.50	65.61 /63.10	62.73 - 3.31		425	----	3409	+ 5
JUN20	65.40	65.40 /62.29	62.49 - 3.25		6116	----	16945	+ 351
JUL20	----	----	62.25 - 3.19		173	----	944	- 85
AUG20	----	----	62.04 - 3.12		33	----	1751	- 8
SEP20	----	----	61.81 - 3.05		----	----	1244	UNCH
OCT20	----	----	61.59 - 2.98		----	----	952	UNCH
NOV20	----	----	61.36 - 2.91		----	----	764	UNCH
DEC20	63.72	63.72 /60.91	61.11 - 2.86		3416	50	36012	+ 142
JAN21	----	----	60.92 - 2.80		----	300	927	+ 300
FEB21	----	----	60.73 - 2.74		----	250	1112	UNCH
MAR21	----	----	60.56 - 2.67		----	----	313	UNCH
APR21	----	----	60.39 - 2.60		----	----	250	UNCH
MAY21	----	----	60.22 - 2.53		----	----	250	UNCH
JUN21	----	----	60.06 - 2.46		406	----	2675	+ 103
JUL21	----	----	59.92 - 2.40		----	----	250	UNCH
AUG21	----	----	59.78 - 2.34		----	----	250	UNCH
SEP21	----	----	59.65 - 2.28		----	----	250	UNCH
OCT21	----	----	59.52 - 2.22		----	----	250	UNCH
NOV21	----	----	59.40 - 2.15		----	----	250	UNCH
DEC21	60.29	60.29 /59.21	59.28 - 2.08		457	----	12344	- 99
DEC22	----	----	58.50 - 1.51		61	----	1457	UNCH
DEC23	59.20	59.20 /59.20	58.54 - 1.14		10	----	256	+ 10
DEC24	----	----	58.82 - 0.96		----	----	34	UNCH
TOTAL BZ FUT					244149	6654	248476	+ 3075
7F FUT EUROPEAN GASOIL ICE FUTURE								
JUN19	----	----	607.50 - 25.00		----	----	13	UNCH
JUL19	----	----	607.00 - 25.00		----	----	20	UNCH
AUG19	----	----	607.50 - 25.00		----	----	1	UNCH
SEP19	----	----	609.00 - 24.75		----	----	10	UNCH
OCT19	----	----	610.75 - 25.00		----	----	2	UNCH
TOTAL 7F FUT							46	
QM FUT E-MINI CRUDE OIL FUTURES								
JUL19	61.325	61.400 /57.325	57.910 - 3.510		31108	----	2704	+ 674
AUG19	61.450	61.450 /57.450	57.990 - 3.510		638	----	313	+ 42
SEP19	61.100	61.100 /57.525	57.990 - 3.490		303	----	445	+ 224
OCT19	60.225	60.225 /57.500	57.910 - 3.460		4	----	159	+ 2
NOV19	60.000	60.000 /57.300	57.770 - 3.430		11	----	150	+ 3
DEC19	60.600	60.600 /57.100	57.570 - 3.400		21	----	169	+ 9
JAN20	59.350	59.350 /57.075	57.340 - 3.340		4	----	66	- 1
FEB20	57.450	57.450 /57.000	57.080 - 3.290		2	----	13	UNCH
MAR20	59.625	59.625 /56.300	56.820 - 3.240		3	----	47	+ 1
APR20	----	56.900A	56.550 - 3.190		----	----	2	UNCH
MAY20	----	56.700A	56.300 - 3.130		----	----	2	UNCH
JUN20	56.550	56.550 /56.375A	56.040 - 3.080		1	----	3	+ 1
JUL20	----	56.625A	55.760 - 3.020		----	----	1	UNCH
DEC20	55.000	55.000 /55.000	54.720 - 2.700		1	----	48	+ 1
JUL21	----	----	53.450 - 2.260		----	----	1	UNCH
DEC21	52.825	52.825 /52.825	52.880 - 2.040		1	----	13	+ 1
DEC22	----	----	52.070 - 1.520		----	----	1	UNCH
TOTAL QM FUT					32097		4137	+ 957
QH FUT E-MINI HEATING OIL FUTURES								
JUN19	----	----	1.9624 - 0.0867		----	----	1	UNCH
TOTAL QH FUT							1	
QU FUT E-MINI GASOLINE FUTURES								
JUN19	----	----	1.9133 - 0.0779		----	----	1	UNCH
TOTAL QU FUT							1	
QG FUT E-MINI NATURAL GAS								
JUN19	2.555	2.590 /2.540	2.578 + 0.035		693	----	2892	- 3
JUL19	2.565	2.600 /2.550	2.592 + 0.033		355	----	1252	+ 77
AUG19	2.585	2.605B /2.580A	2.604 + 0.030		13	----	76	+ 2
SEP19	2.580	2.605 /2.570A	2.600 + 0.028		24	----	81	+ 15
OCT19	2.610	2.635B /2.600A	2.631 + 0.027		7	----	41	+ 4
NOV19	2.685	2.685 /2.685	2.710 + 0.026		3	----	22	- 3
DEC19	----	2.880B	2.882 + 0.023		----	----	17	UNCH
JAN20	2.955	2.955 /2.940	2.975 + 0.021		3	----	18	- 1
FEB20	----	----	2.935 + 0.019		----	----	15	UNCH
MAR20	----	----	2.818 + 0.015		----	----	13	UNCH
APR20	----	----	2.570 + 0.005		----	----	14	UNCH
MAY20	----	----	2.537 + 0.003		----	----	8	UNCH
JUN20	----	----	2.572 + 0.004		----	----	3	UNCH
JUL20	----	----	2.609 + 0.005		----	----	2	UNCH
AUG20	----	----	2.619 + 0.004		----	----	2	UNCH
SEP20	----	----	2.605 + 0.004		----	----	2	UNCH
OCT20	----	----	2.626 + 0.004		----	----	3	UNCH
NOV20	----	----	2.678 + 0.004		----	----	4	UNCH
DEC20	----	----	2.834 + 0.004		----	----	2	UNCH
FEB21	----	----	2.900 + 0.006		----	----	2	UNCH
APR21	----	----	2.523 + 0.012		----	----	2	UNCH
OCT21	----	----	2.583 + 0.012		----	----	1	UNCH
TOTAL QG FUT					1098		4472	+ 91

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							
JUN19	----	----	8.13 + 0.03		----	----	3440	UNCH
JUL19	----	----	7.60 + 0.22		----	45	3046 -	8
AUG19	----	----	6.45 + 0.05		----	45	3374 +	45
SEP19	----	----	5.63 + 0.05		----	----	3327	UNCH
OCT19	----	----	4.68 + 0.08		----	60	3042 +	60
NOV19	----	----	4.23 + 0.08		----	60	2865 +	60
DEC19	----	----	3.85 + 0.07		----	60	3007 +	60
JAN20	----	----	3.95 + 0.05		----	40	887 +	40
FEB20	----	----	3.98 + 0.05		----	40	842 +	15
MAR20	----	----	4.00 + 0.05		----	40	842 +	15
APR20	----	----	4.00 + 0.05		----	40	842 +	15
MAY20	----	----	4.00 + 0.05		----	40	772 +	15
JUN20	----	----	4.00 + 0.05		----	40	772 +	15
JUL20	----	----	4.00 + 0.05		----	40	620 +	40
AUG20	----	----	4.00 + 0.05		----	40	620 +	40
SEP20	----	----	4.00 + 0.05		----	40	620 +	40
OCT20	----	----	3.83 + 0.05		----	40	620 +	40
NOV20	----	----	3.83 + 0.05		----	40	620 +	40
DEC20	----	----	3.83 + 0.05		----	40	620 +	40
JAN21	----	----	2.83 + 0.03		----	----	115	UNCH
FEB21	----	----	2.83 + 0.03		----	----	115	UNCH
MAR21	----	----	2.83 + 0.03		----	----	115	UNCH
APR21	----	----	2.83 + 0.03		----	----	115	UNCH
MAY21	----	----	2.83 + 0.03		----	----	115	UNCH
JUN21	----	----	2.83 + 0.03		----	----	115	UNCH
JUL21	----	----	2.83 + 0.03		----	----	115	UNCH
AUG21	----	----	2.83 + 0.03		----	----	115	UNCH
SEP21	----	----	2.83 + 0.03		----	----	115	UNCH
OCT21	----	----	2.83 + 0.03		----	----	115	UNCH
NOV21	----	----	2.83 + 0.03		----	----	115	UNCH
DEC21	----	----	2.83 + 0.03		----	----	115	UNCH
JAN22	----	----	2.83 + 0.03		----	----	25	UNCH
FEB22	----	----	2.83 + 0.03		----	----	25	UNCH
MAR22	----	----	2.83 + 0.03		----	----	25	UNCH
APR22	----	----	2.83 + 0.03		----	----	25	UNCH
MAY22	----	----	2.83 + 0.03		----	----	25	UNCH
JUN22	----	----	2.83 + 0.03		----	----	25	UNCH
JUL22	----	----	2.83 + 0.03		----	----	25	UNCH
AUG22	----	----	2.83 + 0.03		----	----	25	UNCH
SEP22	----	----	2.83 + 0.03		----	----	25	UNCH
OCT22	----	----	2.83 + 0.03		----	----	25	UNCH
NOV22	----	----	2.83 + 0.03		----	----	25	UNCH
DEC22	----	----	2.83 + 0.03		----	----	25	UNCH
TOTAL E5 FUT						750	32458 +	572
CY FUT	BRENT CALENDAR							
MAY19	----	----	70.11 - 1.00		----	----	1383	UNCH
JUN19	----	----	66.45 - 3.50		----	----	3280	UNCH
JUL19	----	----	65.53 - 3.57		----	1250	5368 +	750
AUG19	----	----	64.87 - 3.58		----	----	1148	UNCH
SEP19	----	----	64.40 - 3.58		----	----	1447	UNCH
OCT19	----	----	64.06 - 3.55		----	----	889	UNCH
NOV19	----	----	63.74 - 3.51		----	----	888	UNCH
DEC19	----	----	63.43 - 3.49		----	----	988	UNCH
JAN20	----	----	63.18 - 3.45		----	10	607 -	10
FEB20	----	----	62.95 - 3.38		----	10	607 -	10
MAR20	----	----	62.72 - 3.31		----	10	607 -	10
APR20	----	----	62.48 - 3.25		----	10	478 -	10
MAY20	----	----	62.24 - 3.19		----	10	478 -	10
JUN20	----	----	62.03 - 3.12		----	10	478 -	10
JUL20	----	----	61.80 - 3.05		----	10	476 -	10
AUG20	----	----	61.57 - 2.97		----	10	476 -	10
SEP20	----	----	61.35 - 2.91		----	10	476 -	10
OCT20	----	----	61.10 - 2.86		----	10	561 -	10
NOV20	----	----	60.91 - 2.80		----	10	476 -	10
DEC20	----	----	60.71 - 2.74		----	10	476 -	10
JAN21	----	----	60.55 - 2.67		----	16	322 +	10
FEB21	----	----	60.38 - 2.60		----	16	322 +	10
MAR21	----	----	60.21 - 2.53		----	16	321 +	10
APR21	----	----	60.05 - 2.46		----	16	321 +	10
MAY21	----	----	59.91 - 2.39		----	16	321 +	10
JUN21	----	----	59.77 - 2.34		----	16	321 +	10
JUL21	----	----	59.64 - 2.28		----	16	404 +	10
AUG21	----	----	59.51 - 2.22		----	16	354 +	10
SEP21	----	----	59.39 - 2.15		----	16	354 +	10
OCT21	----	----	59.28 - 2.07		----	16	321 +	10
NOV21	----	----	59.20 - 2.02		----	16	320 +	10
DEC21	----	----	59.11 - 1.98		----	16	320 +	10
JAN22	----	----	59.05 - 1.92		----	----	54	UNCH
FEB22	----	----	58.98 - 1.87		----	----	54	UNCH
MAR22	----	----	58.91 - 1.83		----	----	54	UNCH
APR22	----	----	58.84 - 1.78		----	----	54	UNCH
MAY22	----	----	58.78 - 1.74		----	----	54	UNCH
JUN22	----	----	58.72 - 1.69		----	----	54	UNCH
JUL22	----	----	58.66 - 1.65		----	----	54	UNCH
AUG22	----	----	58.60 - 1.61		----	----	54	UNCH
SEP22	----	----	58.55 - 1.56		----	----	54	UNCH
OCT22	----	----	58.50 - 1.51		----	----	54	UNCH
NOV22	----	----	58.50 - 1.48		----	----	53	UNCH
DEC22	----	----	58.50 - 1.45		----	----	53	UNCH
JAN23	----	----	58.50 - 1.42		----	----	3	UNCH
FEB23	----	----	58.50 - 1.39		----	----	3	UNCH
MAR23	----	----	58.50 - 1.36		----	----	3	UNCH
APR23	----	----	58.50 - 1.33		----	----	3	UNCH
MAY23	----	----	58.50 - 1.30		----	----	3	UNCH
JUN23	----	----	58.50 - 1.27		----	----	3	UNCH
JUL23	----	----	58.51 - 1.23		----	----	3	UNCH
AUG23	----	----	58.52 - 1.20		----	----	3	UNCH
SEP23	----	----	58.53 - 1.17		----	----	3	UNCH
OCT23	----	----	58.54 - 1.14		----	----	3	UNCH
TOTAL CY FUT						1562	26264 +	750
CC5 FUT	CANADIAN C5+ CONDENSATE INDEX FUT							
JUL19	----	----	-5.950 + 0.450		----	----	105	UNCH
AUG19	----	----	-6.500 UNCH		----	----	105	UNCH
SEP19	----	----	-6.600 UNCH		----	----	105	UNCH
OCT19	----	----	-5.550 UNCH		----	----	75	UNCH



FINAL

PG61 BULLETIN # 99@

ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
CC5 FUT	CANADIAN C5+ CONDENSATE INDEX FUT							
NOV19	----	----	-5.700	UNCH	----	----	75	UNCH
DEC19	----	----	-5.850	UNCH	----	----	75	UNCH
JAN20	----	----	-5.950	- 0.500	----	----	40	UNCH
FEB20	----	----	-6.000	- 0.500	----	----	40	UNCH
MAR20	----	----	-6.050	- 0.500	----	----	40	UNCH
APR20	----	----	-5.850	- 0.500	----	----	40	UNCH
MAY20	----	----	-5.900	- 0.500	----	----	40	UNCH
JUN20	----	----	-6.100	- 0.500	----	----	40	UNCH
JUL20	----	----	-5.750	- 0.500	----	----	30	UNCH
AUG20	----	----	-5.750	- 0.500	----	----	30	UNCH
SEP20	----	----	-5.750	- 0.500	----	----	30	UNCH
OCT20	----	----	-5.100	- 0.500	----	----	30	UNCH
NOV20	----	----	-5.100	- 0.500	----	----	30	UNCH
DEC20	----	----	-5.100	- 0.500	----	----	30	UNCH
TOTAL CC5 FUT							960	
CSW FUT	CLEARBROOK BAKKEN CRUDE OIL INDEX							
JUL19	----	----	-2.500	UNCH	----	----	385	UNCH
AUG19	----	----	-3.150	UNCH	----	----	385	UNCH
SEP19	----	----	-3.600	UNCH	----	----	385	UNCH
OCT19	----	----	-3.800	UNCH	----	----	395	UNCH
NOV19	----	----	-4.050	UNCH	----	----	395	UNCH
DEC19	----	----	-4.400	UNCH	----	----	395	UNCH
TOTAL CSW FUT							2340	
FY FUT	DATED TO FRONTLINE BRENT CLNDR							
MAY19	----	----	0.97	UNCH	----	----	295	UNCH
JUN19	----	----	0.96	+ 0.11	----	----	695	UNCH
JUL19	----	----	0.55	+ 0.05	----	----	50	UNCH
AUG19	----	----	0.28	- 0.01	----	----	50	UNCH
SEP19	----	----	0.07	- 0.01	----	----	50	UNCH
OCT19	----	----	-0.08	- 0.05	----	----	50	UNCH
NOV19	----	----	-0.19	- 0.05	----	----	50	UNCH
DEC19	----	----	-0.19	- 0.05	----	----	145	UNCH
JAN20	----	----	-0.52	- 0.09	----	----	50	UNCH
FEB20	----	----	-0.52	- 0.09	----	----	50	UNCH
MAR20	----	----	-0.52	- 0.09	----	----	50	UNCH
APR20	----	----	-0.59	- 0.11	----	----	50	UNCH
MAY20	----	----	-0.59	- 0.11	----	----	50	UNCH
JUN20	----	----	-0.59	- 0.11	----	----	50	UNCH
JUL20	----	----	-0.59	- 0.09	----	----	50	UNCH
AUG20	----	----	-0.59	- 0.09	----	----	50	UNCH
SEP20	----	----	-0.59	- 0.09	----	----	50	UNCH
OCT20	----	----	-0.57	- 0.09	----	----	50	UNCH
NOV20	----	----	-0.57	- 0.09	----	----	50	UNCH
DEC20	----	----	-0.57	- 0.09	----	----	50	UNCH
TOTAL FY FUT							1985	
DC FUT	DUBAI CRUDE OIL CALENDAR							
MAY19	----	----	69.370	NEW	----	55	55 +	55
JUN19	----	----	64.916	- 3.922	----	----	2760	UNCH
JAN20	----	----	60.863	- 3.658	----	----	350	UNCH
FEB20	----	----	60.522	- 3.548	----	----	321	UNCH
MAR20	----	----	60.193	- 3.449	----	----	349	UNCH
TOTAL DC FUT						55	3835 +	55
UB FUT	EUROPE DATED BRENT							
JUN19	----	----	67.41	- 3.39	----	----	460	UNCH
TOTAL UB FUT							460	
GSW FUT	GUERNSEY LIGHT SWEET CRUDE OIL FUT							
JUN19	----	----	-2.032	UNCH	----	----	23	UNCH
JUL19	----	----	-2.200	UNCH	----	----	23	UNCH
AUG19	----	----	-2.200	UNCH	----	----	23	UNCH
SEP19	----	----	-2.200	UNCH	----	----	23	UNCH
OCT19	----	----	-3.200	UNCH	----	----	23	UNCH
NOV19	----	----	-3.200	UNCH	----	----	23	UNCH
DEC19	----	----	-3.200	UNCH	----	----	23	UNCH
JAN20	----	----	-2.950	UNCH	----	----	23	UNCH
FEB20	----	----	-2.750	UNCH	----	----	23	UNCH
MAR20	----	----	-2.700	UNCH	----	----	23	UNCH
TOTAL GSW FUT							230	
DB FUT	ICE BRENT DUBAI							
MAY19	----	----	0.741	+ 0.137	----	----	941	UNCH
JUN19	----	----	1.537	+ 0.428	----	448	1121 -	50
JUL19	----	----	1.712	+ 0.289	----	----	1060	UNCH
AUG19	----	----	1.771	+ 0.191	----	----	955	UNCH
SEP19	----	----	1.833	+ 0.152	----	----	980	UNCH
OCT19	----	----	1.916	+ 0.152	----	----	905	UNCH
NOV19	----	----	2.046	+ 0.182	----	----	905	UNCH
DEC19	----	----	2.172	+ 0.213	----	----	905	UNCH
JAN20	----	----	2.317	+ 0.212	----	10	2372 +	10
FEB20	----	----	2.427	+ 0.172	----	10	2372 +	10
MAR20	----	----	2.526	+ 0.142	----	10	2372 +	10
APR20	----	----	2.567	+ 0.152	----	----	3292	UNCH
MAY20	----	----	2.597	+ 0.171	----	----	3292	UNCH
JUN20	----	----	2.617	+ 0.163	----	----	3292	UNCH
JUL20	----	----	2.606	+ 0.152	----	----	2227	UNCH
AUG20	----	----	2.596	+ 0.162	----	----	2227	UNCH
SEP20	----	----	2.577	+ 0.173	----	----	2227	UNCH
OCT20	----	----	2.568	+ 0.180	----	----	2102	UNCH
NOV20	----	----	2.589	+ 0.182	----	----	2102	UNCH
DEC20	----	----	2.589	+ 0.162	----	----	2102	UNCH
TOTAL DB FUT						478	37751 -	20
LSW FUT	LIGHT SWEET OIL NET ENERGY MONTHLY							
JUL19	----	----	-8.100	UNCH	----	----	186	UNCH
AUG19	----	----	-7.200	UNCH	----	----	186	UNCH
SEP19	----	----	-9.150	UNCH	----	----	186	UNCH
OCT19	----	----	-9.050	UNCH	----	----	171	UNCH
NOV19	----	----	-9.550	UNCH	----	----	171	UNCH
DEC19	----	----	-10.300	UNCH	----	----	171	UNCH
JAN20	----	----	-9.450	UNCH	----	----	56	UNCH
FEB20	----	----	-9.700	UNCH	----	----	56	UNCH
MAR20	----	----	-9.950	UNCH	----	----	56	UNCH
APR20	----	----	-9.250	UNCH	----	----	56	UNCH

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FINAL

PG61 BULLETIN # 99@

ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
LSW FUT	LIGHT SWEET OIL NET ENERGY MONTHLY							
MAY20	----	----	-9.400	UNCH	----	----	56	UNCH
JUN20	----	----	-9.250	UNCH	----	----	56	UNCH
JUL20	----	----	-8.300	UNCH	----	----	41	UNCH
AUG20	----	----	-8.350	UNCH	----	----	41	UNCH
SEP20	----	----	-8.450	UNCH	----	----	41	UNCH
OCT20	----	----	-9.550	UNCH	----	----	41	UNCH
NOV20	----	----	-9.850	UNCH	----	----	41	UNCH
DEC20	----	----	-9.850	UNCH	----	----	41	UNCH
TOTAL LSW FUT							1653	
XA FUT	LLS (ARGUS) CALENDAR							
MAY19	----	----	69.10	- 0.88	----	----	20	UNCH
JUN19	----	----	65.36	- 3.31	----	----	20	UNCH
JUL19	----	----	64.29	- 3.45	----	----	19	UNCH
AUG19	----	----	63.37	- 3.43	----	----	19	UNCH
SEP19	----	----	62.48	- 3.37	----	----	19	UNCH
OCT19	----	----	61.87	- 3.35	----	----	19	UNCH
NOV19	----	----	61.37	- 3.31	----	----	19	UNCH
DEC19	----	----	61.21	- 3.28	----	----	18	UNCH
JAN20	----	----	60.96	- 3.22	----	----	18	UNCH
FEB20	----	----	60.73	- 3.18	----	----	18	UNCH
MAR20	----	----	60.47	- 3.12	----	----	18	UNCH
APR20	----	----	60.21	- 3.07	----	----	18	UNCH
MAY20	----	----	59.94	- 3.01	----	----	18	UNCH
JUN20	----	----	59.69	- 2.95	----	----	17	UNCH
JUL20	----	----	59.42	- 2.88	----	----	17	UNCH
AUG20	----	----	59.16	- 2.84	----	----	17	UNCH
SEP20	----	----	58.84	- 2.77	----	----	11	UNCH
OCT20	----	----	58.65	- 2.70	----	----	11	UNCH
NOV20	----	----	58.39	- 2.64	----	----	11	UNCH
DEC20	----	----	57.24	- 2.60	----	----	11	UNCH
JAN21	----	----	57.03	- 2.52	----	----	11	UNCH
FEB21	----	----	56.86	- 2.48	----	----	10	UNCH
MAR21	----	----	56.68	- 2.40	----	----	10	UNCH
APR21	----	----	56.53	- 2.32	----	----	10	UNCH
MAY21	----	----	56.40	- 2.27	----	----	10	UNCH
JUN21	----	----	56.23	- 2.22	----	----	10	UNCH
JUL21	----	----	56.06	- 2.17	----	----	10	UNCH
AUG21	----	----	55.94	- 2.12	----	----	10	UNCH
TOTAL XA FUT							419	
WJ FUT	LLS (ARGUS) VS WTI							
MAY19	----	----	8.10	+ 0.07	----	----	2306	UNCH
JUN19	----	----	7.43	+ 0.20	----	----	2306	UNCH
JUL19	----	----	6.30	+ 0.05	----	----	1961	UNCH
AUG19	----	----	5.41	+ 0.05	----	----	1961	UNCH
SEP19	----	----	4.61	+ 0.08	----	----	1959	UNCH
OCT19	----	----	4.16	+ 0.07	----	----	1999	UNCH
NOV19	----	----	3.87	+ 0.07	----	----	1997	UNCH
DEC19	----	----	3.96	+ 0.05	----	----	2000	UNCH
JAN20	----	----	3.98	+ 0.05	----	----	385	UNCH
FEB20	----	----	4.00	+ 0.05	----	----	385	UNCH
MAR20	----	----	4.00	+ 0.05	----	----	385	UNCH
APR20	----	----	4.00	+ 0.05	----	----	375	UNCH
MAY20	----	----	4.00	+ 0.05	----	----	375	UNCH
JUN20	----	----	4.00	+ 0.05	----	----	375	UNCH
JUL20	----	----	4.00	+ 0.05	----	----	325	UNCH
AUG20	----	----	3.97	+ 0.05	----	----	325	UNCH
SEP20	----	----	3.83	+ 0.05	----	----	325	UNCH
OCT20	----	----	3.83	+ 0.05	----	----	315	UNCH
NOV20	----	----	3.73	+ 0.05	----	----	315	UNCH
DEC20	----	----	2.83	+ 0.03	----	----	315	UNCH
JAN21	----	----	2.83	+ 0.03	----	----	68	UNCH
FEB21	----	----	2.83	+ 0.03	----	----	65	UNCH
MAR21	----	----	2.83	+ 0.03	----	----	68	UNCH
APR21	----	----	2.83	+ 0.03	----	----	67	UNCH
MAY21	----	----	2.83	+ 0.03	----	----	68	UNCH
JUN21	----	----	2.83	+ 0.03	----	----	67	UNCH
JUL21	----	----	2.83	+ 0.03	----	----	51	UNCH
AUG21	----	----	2.83	+ 0.03	----	----	51	UNCH
SEP21	----	----	2.83	+ 0.03	----	----	50	UNCH
OCT21	----	----	2.83	+ 0.03	----	----	51	UNCH
NOV21	----	----	2.83	+ 0.03	----	----	50	UNCH
DEC21	----	----	2.83	+ 0.03	----	----	51	UNCH
JAN22	----	----	2.83	+ 0.03	----	----	10	UNCH
FEB22	----	----	2.83	+ 0.03	----	----	10	UNCH
MAR22	----	----	2.83	+ 0.03	----	----	10	UNCH
APR22	----	----	2.83	+ 0.03	----	----	10	UNCH
MAY22	----	----	2.83	+ 0.03	----	----	10	UNCH
JUN22	----	----	2.83	+ 0.03	----	----	10	UNCH
JUL22	----	----	2.83	+ 0.03	----	----	10	UNCH
AUG22	----	----	2.83	+ 0.03	----	----	10	UNCH
SEP22	----	----	2.83	+ 0.03	----	----	10	UNCH
OCT22	----	----	2.83	+ 0.03	----	----	10	UNCH
NOV22	----	----	2.83	+ 0.03	----	----	10	UNCH
DEC22	----	----	2.83	+ 0.03	----	----	10	UNCH
JAN23	----	----	2.83	+ 0.03	----	----	12	UNCH
FEB23	----	----	2.83	+ 0.03	----	----	12	UNCH
MAR23	----	----	2.83	+ 0.03	----	----	12	UNCH
APR23	----	----	2.83	+ 0.03	----	----	12	UNCH
MAY23	----	----	2.83	+ 0.03	----	----	12	UNCH
JUN23	----	----	2.83	+ 0.03	----	----	12	UNCH
JUL23	----	----	2.83	+ 0.03	----	----	12	UNCH
AUG23	----	----	2.83	+ 0.03	----	----	12	UNCH
SEP23	----	----	2.83	+ 0.03	----	----	12	UNCH
OCT23	----	----	2.83	+ 0.03	----	----	12	UNCH
NOV23	----	----	2.83	+ 0.03	----	----	12	UNCH
DEC23	----	----	2.83	+ 0.03	----	----	12	UNCH
TOTAL WJ FUT							21660	
LPS FUT	LOOP CRUDE OIL STORAGE FUTURES							
JUN19	----	----	0.030	UNCH	----	----	0	4000
JUL19	----	----	0.050	UNCH	----	----	2550	UNCH
AUG19	----	----	0.050	UNCH	----	----	2550	UNCH
SEP19	----	----	0.050	UNCH	----	----	2550	UNCH
OCT19	----	----	0.070	UNCH	----	----	2625	UNCH
NOV19	----	----	0.070	UNCH	----	----	2625	UNCH

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PG61 BULLETIN # 99@

ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	LOBEX OPEN	LOBEX HIGH/LOW	SETT. PRICE & PT. CHGE		LOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
LPS FUT	LOOP CRUDE OIL STORAGE FUTURES							
DEC19	----	----	0.070 UNCH		----	----	2625	UNCH
JAN20	----	----	0.083 UNCH		----	----	1200	UNCH
FEB20	----	----	0.080 UNCH		----	----	1200	UNCH
MAR20	----	----	0.080 UNCH		----	----	1200	UNCH
APR20	----	----	0.070 UNCH		----	----	300	UNCH
MAY20	----	----	0.070 UNCH		----	----	300	UNCH
JUN20	----	----	0.070 UNCH		----	----	300	UNCH
TOTAL LPS FUT							20025	- 4000
YX FUT	MARS (ARGUS) VS WTI							
MAY19	----	----	5.88 - 0.06		----	----	1500	UNCH
JUN19	----	----	5.15 - 0.13		----	----	2365	UNCH
JUL19	----	----	4.41 - 0.29		----	----	240	UNCH
AUG19	----	----	3.36 - 0.47		----	----	165	UNCH
SEP19	----	----	2.47 - 0.51		----	----	165	UNCH
OCT19	----	----	1.42 - 0.56		----	----	265	UNCH
NOV19	----	----	0.66 - 0.59		----	----	265	UNCH
DEC19	----	----	0.53 - 0.54		----	----	265	UNCH
JAN20	----	----	0.43 - 0.48		----	----	50	UNCH
FEB20	----	----	0.33 - 0.44		----	----	50	UNCH
MAR20	----	----	0.16 - 0.41		----	----	50	UNCH
APR20	----	----	-0.03 - 0.43		----	----	50	UNCH
MAY20	----	----	-0.04 - 0.25		----	----	50	UNCH
JUN20	----	----	-0.10 - 0.21		----	----	50	UNCH
JUL20	----	----	-0.10 - 0.21		----	----	50	UNCH
AUG20	----	----	-0.16 - 0.24		----	----	50	UNCH
SEP20	----	----	-0.40 - 0.36		----	----	50	UNCH
OCT20	----	----	-0.40 - 0.36		----	----	50	UNCH
NOV20	----	----	-0.38 - 0.34		----	----	50	UNCH
DEC20	----	----	-0.23 - 0.15		----	----	50	UNCH
TOTAL YX FUT							5830	
YV FUT	MARS (ARGUS) VS WTI TRD MTH							
JUN19	----	----	6.05 - 0.03		----	----	6307	UNCH
JUL19	----	----	5.25 - 0.10		----	45	5397	UNCH
AUG19	----	----	4.60 - 0.25		----	45	3988	- 32
SEP19	----	----	3.58 - 0.45		----	----	4065	UNCH
OCT19	----	----	2.63 - 0.50		----	160	2495	+ 150
NOV19	----	----	1.58 - 0.55		----	160	2395	+ 150
DEC19	----	----	0.68 - 0.60		----	160	2435	+ 150
JAN20	----	----	0.55 - 0.55		----	40	865	UNCH
FEB20	----	----	0.45 - 0.50		----	40	635	UNCH
MAR20	----	----	0.35 - 0.45		----	40	635	UNCH
APR20	----	----	0.20 - 0.40		----	40	240	+ 25
MAY20	----	----	-0.03 - 0.47		----	40	240	+ 25
JUN20	----	----	-0.03 - 0.26		----	40	240	+ 25
JUL20	----	----	-0.10 - 0.21		----	40	280	+ 40
AUG20	----	----	-0.10 - 0.21		----	40	280	+ 40
SEP20	----	----	-0.10 - 0.21		----	40	280	+ 40
OCT20	----	----	-0.40 - 0.36		----	40	280	+ 40
NOV20	----	----	-0.40 - 0.36		----	40	280	+ 40
DEC20	----	----	-0.40 - 0.36		----	40	280	+ 40
TOTAL YV FUT						1050	31617	+ 733
MBC FUT	MINI BRENT FINANCIAL FUTURES							
JUN19	----	----	66.45 - 3.50		----	----	22	UNCH
JAN20	----	----	63.18 - 3.45		----	----	5	UNCH
FEB20	----	----	62.95 - 3.38		----	----	5	UNCH
MAR20	----	----	62.72 - 3.31		----	----	5	UNCH
APR20	----	----	62.48 - 3.25		----	----	5	UNCH
MAY20	----	----	62.24 - 3.19		----	----	5	UNCH
JUN20	----	----	62.03 - 3.12		----	----	5	UNCH
JUL20	----	----	61.80 - 3.05		----	----	5	UNCH
AUG20	----	----	61.57 - 2.97		----	----	5	UNCH
SEP20	----	----	61.35 - 2.91		----	----	5	UNCH
OCT20	----	----	61.10 - 2.86		----	----	5	UNCH
NOV20	----	----	60.91 - 2.80		----	----	5	UNCH
DEC20	----	----	60.71 - 2.74		----	----	5	UNCH
TOTAL MBC FUT							82	
BB FUT	NYMEX BRENT FINANCIAL FUTURES							
DEC19	----	----	64.07 - 3.56		----	----	158	UNCH
TOTAL BB FUT							158	
CS FUT	WEST TEXAS INTER CRUDE OIL CAL							
MAY19	----	----	61.00 - 0.95		----	22	19747	+ 22
JUN19	----	----	57.93 - 3.51		----	2272	21132	+ 128
JUL19	----	----	57.99 - 3.50		----	825	9004	+ 707
AUG19	----	----	57.96 - 3.48		----	50	8211	+ 50
SEP19	----	----	57.87 - 3.45		----	----	8015	UNCH
OCT19	----	----	57.71 - 3.42		----	----	8079	UNCH
NOV19	----	----	57.50 - 3.38		----	----	8185	UNCH
DEC19	----	----	57.25 - 3.33		----	----	8646	UNCH
JAN20	----	----	56.98 - 3.27		----	----	6496	UNCH
FEB20	----	----	56.73 - 3.23		----	----	6247	UNCH
MAR20	----	----	56.47 - 3.17		----	----	6258	UNCH
APR20	----	----	56.21 - 3.12		----	----	6175	UNCH
MAY20	----	----	55.94 - 3.06		----	----	6182	UNCH
JUN20	----	----	55.69 - 3.00		----	----	6161	UNCH
JUL20	----	----	55.42 - 2.93		----	----	5999	UNCH
AUG20	----	----	55.19 - 2.89		----	----	5997	UNCH
SEP20	----	----	55.01 - 2.82		----	----	5987	UNCH
OCT20	----	----	54.82 - 2.75		----	----	6304	UNCH
NOV20	----	----	54.66 - 2.69		----	----	6278	UNCH
DEC20	----	----	54.41 - 2.63		----	----	6292	UNCH
JAN21	----	----	54.20 - 2.55		----	6	1739	UNCH
FEB21	----	----	54.03 - 2.51		----	6	1738	UNCH
MAR21	----	----	53.85 - 2.43		----	6	1737	UNCH
APR21	----	----	53.70 - 2.35		----	6	1511	UNCH
MAY21	----	----	53.57 - 2.30		----	6	1511	UNCH
JUN21	----	----	53.40 - 2.25		----	6	1500	UNCH
JUL21	----	----	53.23 - 2.20		----	----	1573	UNCH
AUG21	----	----	53.11 - 2.15		----	----	1565	UNCH
SEP21	----	----	53.00 - 2.10		----	----	1582	UNCH
OCT21	----	----	52.92 - 2.07		----	----	1681	UNCH
NOV21	----	----	52.84 - 2.03		----	----	1680	UNCH
DEC21	----	----	52.69 - 1.98		----	----	1680	UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
CS FUT	WEST TEXAS INTER CRUDE OIL CAL						
JAN22	----	----	52.57 - 1.94	----	----	143	UNCH
FEB22	----	----	52.47 - 1.91	----	----	145	UNCH
MAR22	----	----	52.36 - 1.84	----	----	142	UNCH
APR22	----	----	52.28 - 1.79	----	----	138	UNCH
MAY22	----	----	52.24 - 1.73	----	----	136	UNCH
JUN22	----	----	52.15 - 1.69	----	----	121	UNCH
JUL22	----	----	52.08 - 1.66	----	----	120	UNCH
AUG22	----	----	52.04 - 1.62	----	----	111	UNCH
SEP22	----	----	52.03 - 1.56	----	----	112	UNCH
OCT22	----	----	52.05 - 1.53	----	----	111	UNCH
NOV22	----	----	52.06 - 1.51	----	----	112	UNCH
DEC22	----	----	51.99 - 1.50	----	----	111	UNCH
JAN23	----	----	51.92 - 1.49	----	----	83	UNCH
FEB23	----	----	51.88 - 1.46	----	----	83	UNCH
MAR23	----	----	51.84 - 1.43	----	----	83	UNCH
APR23	----	----	51.81 - 1.41	----	----	83	UNCH
MAY23	----	----	51.79 - 1.41	----	----	83	UNCH
JUN23	----	----	51.77 - 1.38	----	----	83	UNCH
JUL23	----	----	51.76 - 1.35	----	----	83	UNCH
AUG23	----	----	51.76 - 1.34	----	----	83	UNCH
SEP23	----	----	51.78 - 1.31	----	----	83	UNCH
OCT23	----	----	51.87 - 1.25	----	----	83	UNCH
NOV23	----	----	52.03 - 1.20	----	----	75	UNCH
DEC23	----	----	52.07 - 1.17	----	----	75	UNCH
JAN24	----	----	52.00 - 1.18	----	----	124	UNCH
FEB24	----	----	51.97 - 1.18	----	----	122	UNCH
MAR24	----	----	51.96 - 1.17	----	----	124	UNCH
APR24	----	----	51.93 - 1.17	----	----	123	UNCH
MAY24	----	----	51.96 - 1.16	----	----	124	UNCH
JUN24	----	----	51.99 - 1.14	----	----	123	UNCH
JUL24	----	----	52.02 - 1.10	----	----	124	UNCH
AUG24	----	----	52.03 - 1.09	----	----	124	UNCH
SEP24	----	----	52.09 - 1.06	----	----	123	UNCH
OCT24	----	----	52.17 - 1.03	----	----	124	UNCH
NOV24	----	----	52.17 - 1.02	----	----	123	UNCH
DEC24	----	----	52.10 - 1.02	----	----	124	UNCH
JAN25	----	----	52.13 - 1.01	----	----	10	UNCH
FEB25	----	----	52.13 - 1.01	----	----	10	UNCH
MAR25	----	----	52.15 - 1.00	----	----	10	UNCH
APR25	----	----	52.14 - 0.99	----	----	10	UNCH
MAY25	----	----	52.15 - 0.98	----	----	10	UNCH
JUN25	----	----	52.19 - 0.97	----	----	10	UNCH
JUL25	----	----	52.23 - 0.95	----	----	10	UNCH
AUG25	----	----	52.24 - 0.93	----	----	10	UNCH
SEP25	----	----	52.28 - 0.91	----	----	10	UNCH
OCT25	----	----	52.36 - 0.89	----	----	10	UNCH
NOV25	----	----	52.35 - 0.88	----	----	10	UNCH
DEC25	----	----	52.32 - 0.88	----	----	10	UNCH
TOTAL CS FUT					3205	188976 +	907
WCW FUT	WESTERN CANADIAN SELECT OIL MONTHLY						
JUL19	----	----	-16.350 - 0.600	----	285	2049 +	150
AUG19	----	----	-19.000 - 0.600	----	285	1949 +	45
SEP19	----	----	-20.900 - 0.600	----	285	1949 +	45
OCT19	----	----	-23.800 - 0.650	----	30	1894	UNCH
NOV19	----	----	-24.050 - 0.650	----	30	1894	UNCH
DEC19	----	----	-24.300 - 0.650	----	30	1894	UNCH
JAN20	----	----	-24.100 - 0.450	----	15	405	UNCH
FEB20	----	----	-24.200 - 0.450	----	15	405	UNCH
MAR20	----	----	-24.300 - 0.450	----	15	405	UNCH
APR20	----	----	-22.450 - 0.100	----	15	299 +	15
MAY20	----	----	-22.150 - 0.100	----	15	299 +	15
JUN20	----	----	-22.150 - 0.100	----	15	299 +	15
JUL20	----	----	-22.450 - 0.100	----	15	284 +	15
AUG20	----	----	-22.500 - 0.100	----	15	284 +	15
SEP20	----	----	-22.700 - 0.100	----	15	284 +	15
OCT20	----	----	-24.200 - 0.150	----	15	284 +	15
NOV20	----	----	-24.400 - 0.150	----	15	284 +	15
DEC20	----	----	-24.600 - 0.150	----	15	284 +	15
TOTAL WCW FUT					1125	15445 +	375
42 FUT	WTI BALMO						
02MAY19	----	----	60.87 - 1.01	----	----	43	UNCH
09MAY19	----	----	60.55 - 1.32	----	----	111	UNCH
10MAY19	----	----	60.47 - 1.41	----	----	155	UNCH
13MAY19	----	----	60.39 - 1.50	----	----	15	UNCH
16MAY19	----	----	60.05 - 1.92	----	----	31	UNCH
21MAY19	----	----	58.98 - 2.64	----	----	10	UNCH
TOTAL 42 FUT						365	
WS FUT	WTI FINANCIAL FUTURES						
DEC19	----	----	57.57 - 3.40	----	----	250	UNCH
DEC20	----	----	54.72 - 2.70	----	----	36	UNCH
TOTAL WS FUT						286	
HIL FUT	WTI HOUSTON ARGUS V. WTI FINANCIAL						
JAN20	----	----	3.49 + 0.07	----	----	80	UNCH
FEB20	----	----	3.51 + 0.03	----	----	80	UNCH
MAR20	----	----	3.43 - 0.01	----	----	80	UNCH
APR20	----	----	3.40 + 0.02	----	----	80	UNCH
MAY20	----	----	3.34 UNCH	----	----	80	UNCH
JUN20	----	----	3.28 UNCH	----	----	80	UNCH
JUL20	----	----	3.28 UNCH	----	----	40	UNCH
AUG20	----	----	3.27 UNCH	----	----	40	UNCH
SEP20	----	----	3.25 + 0.02	----	----	40	UNCH
OCT20	----	----	3.25 + 0.02	----	----	40	UNCH
NOV20	----	----	3.19 + 0.01	----	----	40	UNCH
DEC20	----	----	2.68 - 0.02	----	----	40	UNCH
TOTAL HIL FUT						720	
HTT FUT	WTI HOUSTON ARGUS V. WTI TRADE MONTH						
JUN19	----	----	7.55 UNCH	----	----	15303	UNCH
JUL19	----	----	7.28 + 0.28	----	2385	10060 -	441
AUG19	----	----	5.98 + 0.08	----	135	10066 +	135
SEP19	----	----	4.83 - 0.05	----	75	10260 +	75
OCT19	----	----	4.20 + 0.02	----	465	10010 +	38
NOV19	----	----	3.73 + 0.05	----	465	10036 +	38

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	WTI HOUSTON ARGUS V. WTI TRADE MONTH	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
HTT FUT					
DEC19	----	3.33 + 0.08	----	465	10187 + 13
JAN20	----	3.43 + 0.10	----	110	5759 + 110
FEB20	----	3.48 + 0.08	----	110	5476 + 110
MAR20	----	3.53 + 0.05	----	110	5406 + 110
APR20	----	3.43 - 0.02	----	50	5511 + 50
MAY20	----	3.41 + 0.02	----	50	5581 + 50
JUN20	----	3.36 UNCH	----	50	5581 + 50
JUL20	----	3.28 UNCH	----	100	4709 + 50
AUG20	----	3.28 UNCH	----	100	4709 + 50
SEP20	----	3.28 UNCH	----	100	4709 + 50
OCT20	----	3.25 + 0.02	----	100	4709 + 50
NOV20	----	3.25 + 0.02	----	100	4709 + 50
DEC20	----	3.25 + 0.02	----	100	4709 + 50
JAN21	----	2.68 - 0.02	----	----	1420 UNCH
FEB21	----	2.68 - 0.02	----	----	1320 UNCH
MAR21	----	2.68 - 0.02	----	----	1320 UNCH
APR21	----	2.68 - 0.02	----	----	1320 UNCH
MAY21	----	2.68 - 0.02	----	----	1320 UNCH
JUN21	----	2.68 - 0.02	----	----	1320 UNCH
JUL21	----	2.68 - 0.02	----	----	1330 UNCH
AUG21	----	2.68 - 0.02	----	----	1330 UNCH
SEP21	----	2.68 - 0.02	----	----	1330 UNCH
OCT21	----	2.68 - 0.02	----	----	1330 UNCH
NOV21	----	2.68 - 0.02	----	----	1330 UNCH
DEC21	----	2.68 - 0.02	----	----	1330 UNCH
JAN22	----	2.68 - 0.02	----	----	70 UNCH
FEB22	----	2.68 - 0.02	----	----	70 UNCH
MAR22	----	2.68 - 0.02	----	----	70 UNCH
APR22	----	2.68 - 0.02	----	----	70 UNCH
MAY22	----	2.68 - 0.02	----	----	70 UNCH
JUN22	----	2.68 - 0.02	----	----	70 UNCH
JUL22	----	2.68 - 0.02	----	----	70 UNCH
AUG22	----	2.68 - 0.02	----	----	70 UNCH
SEP22	----	2.68 - 0.02	----	----	70 UNCH
OCT22	----	2.68 - 0.02	----	----	70 UNCH
NOV22	----	2.68 - 0.02	----	----	70 UNCH
DEC22	----	2.68 - 0.02	----	----	70 UNCH
TOTAL	HTT FUT			5070	154330 + 638
HCL FUT	WTI HOUSTON CRUDE OIL FUTURES				
JUN19	----	70.23 UNCH	----	----	0 - 1329
JUL19	65.35	65.01 - 3.29	147	----	1369 + 11
AUG19	----	64.03 - 3.35	128	----	1374 + 8
SEP19	----	63.21 - 3.36	59	----	1408 - 1
OCT19	----	62.43 - 3.37	6	----	130 + 1
NOV19	----	61.69 - 3.39	----	----	100 UNCH
DEC19	----	60.99 - 3.36	2	----	100 UNCH
JAN20	----	60.90 NEW	2	----	2 + 2
TOTAL	HCL FUT		344		4483 - 1308
WTT FUT	WTI MIDLAND (ARG) VS. WTI TRADE MTH				
JUN19	----	-3.39 + 0.07	----	----	11521 UNCH
JUL19	----	-0.95 - 0.60	----	195	9004 + 105
AUG19	----	0.15 - 0.13	----	135	7783 + 55
SEP19	----	0.33 - 0.10	----	135	7768 + 55
OCT19	----	0.43 - 0.10	----	185	8226 + 185
NOV19	----	0.48 - 0.10	----	185	8226 + 185
DEC19	----	0.53 - 0.10	----	185	8126 + 185
JAN20	----	0.53 - 0.07	----	30	5603 + 25
FEB20	----	0.50 - 0.05	----	30	5070 + 25
MAR20	----	0.48 - 0.02	----	30	5070 + 25
APR20	----	0.50 - 0.03	----	30	4488 + 25
MAY20	----	0.53 - 0.02	----	30	4488 + 25
JUN20	----	0.55 - 0.03	----	30	4488 + 25
JUL20	----	0.58 UNCH	----	30	4311 + 30
AUG20	----	0.58 UNCH	----	30	4311 + 30
SEP20	----	0.58 UNCH	----	30	4311 + 30
OCT20	----	0.60 - 0.03	----	30	4311 + 30
NOV20	----	0.60 - 0.03	----	30	4311 + 30
DEC20	----	0.60 - 0.03	----	30	4311 + 30
JAN21	----	0.85 UNCH	----	----	1555 UNCH
FEB21	----	0.85 UNCH	----	----	1555 UNCH
MAR21	----	0.85 UNCH	----	----	1555 UNCH
APR21	----	0.85 UNCH	----	----	1555 UNCH
MAY21	----	0.85 UNCH	----	----	1555 UNCH
JUN21	----	0.85 UNCH	----	----	1555 UNCH
JUL21	----	0.85 UNCH	----	----	1565 UNCH
AUG21	----	0.85 UNCH	----	----	1565 UNCH
SEP21	----	0.85 UNCH	----	----	1565 UNCH
OCT21	----	0.85 UNCH	----	----	1565 UNCH
NOV21	----	0.85 UNCH	----	----	1565 UNCH
DEC21	----	0.85 UNCH	----	----	1565 UNCH
JAN22	----	0.85 UNCH	----	----	110 UNCH
FEB22	----	0.85 UNCH	----	----	110 UNCH
MAR22	----	0.85 UNCH	----	----	110 UNCH
APR22	----	0.85 UNCH	----	----	50 UNCH
MAY22	----	0.85 UNCH	----	----	50 UNCH
JUN22	----	0.85 UNCH	----	----	50 UNCH
JUL22	----	0.85 UNCH	----	----	50 UNCH
AUG22	----	0.85 UNCH	----	----	50 UNCH
SEP22	----	0.85 UNCH	----	----	50 UNCH
OCT22	----	0.85 UNCH	----	----	50 UNCH
NOV22	----	0.85 UNCH	----	----	50 UNCH
DEC22	----	0.85 UNCH	----	----	50 UNCH
TOTAL	WTT FUT			1380	135227 + 1100
FF FUT	WTI MIDLAND (ARGUS) VS WTI FINCL FUT				
MAY19	----	-2.68 - 0.05	----	----	2200 UNCH
JUN19	----	-0.79 - 0.53	----	----	2215 UNCH
JUL19	----	0.18 - 0.13	----	----	2444 UNCH
AUG19	----	0.35 - 0.10	----	----	2404 UNCH
SEP19	----	0.44 - 0.10	----	----	2444 UNCH
OCT19	----	0.49 - 0.10	----	----	2667 UNCH
NOV19	----	0.53 - 0.10	----	----	2667 UNCH
DEC19	----	0.52 - 0.07	----	----	2667 UNCH
JAN20	----	0.50 - 0.04	----	----	3150 UNCH
FEB20	----	0.48 - 0.02	----	----	3150 UNCH

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FINAL

PG61 BULLETIN # 99@

ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
FF FUT	WTI MIDLAND(ARGUS) VS WTI FINCL FUT						
MAR20	----	----	0.51 - 0.02	----	----	3150	UNCH
APR20	----	----	0.53 - 0.03	----	----	2675	UNCH
MAY20	----	----	0.56 - 0.02	----	----	2675	UNCH
JUN20	----	----	0.58 UNCH	----	----	2675	UNCH
JUL20	----	----	0.58 UNCH	----	----	2640	UNCH
AUG20	----	----	0.58 - 0.01	----	----	2640	UNCH
SEP20	----	----	0.60 - 0.03	----	----	2640	UNCH
OCT20	----	----	0.60 - 0.03	----	----	2655	UNCH
NOV20	----	----	0.63 - 0.02	----	----	2655	UNCH
DEC20	----	----	0.85 UNCH	----	----	2655	UNCH
JAN21	----	----	0.85 UNCH	----	----	807	UNCH
FEB21	----	----	0.85 UNCH	----	----	807	UNCH
MAR21	----	----	0.85 UNCH	----	----	807	UNCH
APR21	----	----	0.85 UNCH	----	----	807	UNCH
MAY21	----	----	0.85 UNCH	----	----	807	UNCH
JUN21	----	----	0.85 UNCH	----	----	807	UNCH
JUL21	----	----	0.85 UNCH	----	----	807	UNCH
AUG21	----	----	0.85 UNCH	----	----	807	UNCH
SEP21	----	----	0.85 UNCH	----	----	807	UNCH
OCT21	----	----	0.85 UNCH	----	----	807	UNCH
NOV21	----	----	0.85 UNCH	----	----	807	UNCH
DEC21	----	----	0.85 UNCH	----	----	807	UNCH
TOTAL	FF FUT					62752	
BY FUT	WTI-BRENT BULLET						
JUL19	----	----	-9.85 - 0.28	----	----	525	UNCH
AUG19	----	----	-8.51 - 0.02	----	----	525	UNCH
SEP19	----	----	-7.57 + 0.08	----	----	525	UNCH
OCT19	----	----	-6.98 + 0.12	----	----	525	UNCH
NOV19	----	----	-6.65 + 0.15	----	----	525	UNCH
DEC19	----	----	-6.50 + 0.16	----	----	525	UNCH
JAN20	----	----	-6.41 + 0.18	----	----	17	UNCH
FEB20	----	----	-6.37 + 0.21	----	----	17	UNCH
MAR20	----	----	-6.37 + 0.21	----	----	17	UNCH
APR20	----	----	-6.41 + 0.19	----	----	17	UNCH
MAY20	----	----	-6.43 + 0.18	----	----	17	UNCH
JUN20	----	----	-6.45 + 0.17	----	----	17	UNCH
JUL20	----	----	-6.49 + 0.17	----	----	117	UNCH
AUG20	----	----	-6.53 + 0.17	----	----	117	UNCH
SEP20	----	----	-6.55 + 0.14	----	----	117	UNCH
OCT20	----	----	-6.53 + 0.14	----	----	17	UNCH
NOV20	----	----	-6.48 + 0.14	----	----	17	UNCH
DEC20	----	----	-6.39 + 0.16	----	----	17	UNCH
TOTAL	BY FUT					3654	
BK FUT	WTI-BRENT CALENDAR						
MAY19	----	----	-9.11 + 0.05	----	----	12301	UNCH
JUN19	----	----	-8.52 - 0.01	----	185	24777 + 185	
JUL19	----	----	-7.54 + 0.07	----	60	5919	UNCH
AUG19	----	----	-6.91 + 0.10	----	60	5873	UNCH
SEP19	----	----	-6.53 + 0.13	----	----	5719	UNCH
OCT19	----	----	-6.35 + 0.13	----	----	6588	UNCH
NOV19	----	----	-6.24 + 0.13	----	----	6099	UNCH
DEC19	----	----	-6.18 + 0.16	----	----	6099	UNCH
JAN20	----	----	-6.20 + 0.18	----	10	7293 + 10	
FEB20	----	----	-6.22 + 0.15	----	10	7289 + 10	
MAR20	----	----	-6.25 + 0.14	----	10	7293 + 10	
APR20	----	----	-6.27 + 0.13	----	----	6821	UNCH
MAY20	----	----	-6.30 + 0.13	----	----	6823	UNCH
JUN20	----	----	-6.34 + 0.12	----	----	6821	UNCH
JUL20	----	----	-6.38 + 0.12	----	----	6878	UNCH
AUG20	----	----	-6.38 + 0.08	----	----	6878	UNCH
SEP20	----	----	-6.34 + 0.09	----	----	6876	UNCH
OCT20	----	----	-6.28 + 0.11	----	----	6878	UNCH
NOV20	----	----	-6.25 + 0.11	----	----	6476	UNCH
DEC20	----	----	-6.30 + 0.11	----	----	6478	UNCH
JAN21	----	----	-6.35 + 0.12	----	70	1276 + 50	
FEB21	----	----	-6.35 + 0.09	----	70	1276 + 50	
MAR21	----	----	-6.36 + 0.10	----	70	1276 + 50	
APR21	----	----	-6.35 + 0.11	----	70	1276 + 50	
MAY21	----	----	-6.34 + 0.09	----	70	1276 + 50	
JUN21	----	----	-6.37 + 0.09	----	70	1276 + 50	
JUL21	----	----	-6.41 + 0.08	----	70	1276 + 50	
AUG21	----	----	-6.40 + 0.07	----	70	1276 + 50	
SEP21	----	----	-6.39 + 0.05	----	70	1276 + 50	
OCT21	----	----	-6.36 UNCH	----	70	1276 + 50	
NOV21	----	----	-6.36 - 0.01	----	70	1276 + 50	
DEC21	----	----	-6.42 UNCH	----	70	1276 + 50	
JAN22	----	----	-6.48 - 0.02	----	----	200	UNCH
FEB22	----	----	-6.51 - 0.04	----	----	200	UNCH
MAR22	----	----	-6.55 - 0.01	----	----	200	UNCH
APR22	----	----	-6.56 - 0.01	----	----	200	UNCH
MAY22	----	----	-6.54 + 0.01	----	----	200	UNCH
JUN22	----	----	-6.57 UNCH	----	----	200	UNCH
JUL22	----	----	-6.58 - 0.01	----	----	200	UNCH
AUG22	----	----	-6.56 - 0.01	----	----	200	UNCH
SEP22	----	----	-6.52 UNCH	----	----	200	UNCH
OCT22	----	----	-6.45 - 0.02	----	----	200	UNCH
NOV22	----	----	-6.44 - 0.03	----	----	200	UNCH
DEC22	----	----	-6.51 - 0.05	----	----	200	UNCH
JAN23	----	----	-6.58 - 0.07	----	----	60	UNCH
FEB23	----	----	-6.62 - 0.07	----	----	60	UNCH
MAR23	----	----	-6.66 - 0.07	----	----	60	UNCH
APR23	----	----	-6.69 - 0.08	----	----	60	UNCH
MAY23	----	----	-6.71 - 0.11	----	----	60	UNCH
JUN23	----	----	-6.73 - 0.11	----	----	60	UNCH
JUL23	----	----	-6.75 - 0.12	----	----	60	UNCH
AUG23	----	----	-6.76 - 0.14	----	----	60	UNCH
SEP23	----	----	-6.75 - 0.14	----	----	60	UNCH
OCT23	----	----	-6.67 - 0.11	----	----	60	UNCH
NOV23	----	----	-6.53 - 0.07	----	----	60	UNCH
DEC23	----	----	-6.51 - 0.05	----	----	60	UNCH
JAN24	----	----	-6.60 - 0.08	----	----	30	UNCH
FEB24	----	----	-6.65 - 0.10	----	----	30	UNCH
MAR24	----	----	-6.69 - 0.11	----	----	30	UNCH
APR24	----	----	-6.75 - 0.13	----	----	30	UNCH
MAY24	----	----	-6.75 - 0.14	----	----	30	UNCH

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ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR
BK FUT	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR
	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR
	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR	WTI-BRENT CALENDAR
JUN24	----	----	-6.74	-	0.13	----	----	30 UNCH
JUL24	----	----	-6.73	-	0.10	----	----	30 UNCH
AUG24	----	----	-6.74	-	0.10	----	----	30 UNCH
SEP24	----	----	-6.70	-	0.08	----	----	30 UNCH
OCT24	----	----	-6.65	-	0.07	----	----	30 UNCH
NOV24	----	----	-6.68	-	0.08	----	----	30 UNCH
DEC24	----	----	-6.77	-	0.09	----	----	30 UNCH
JAN25	----	----	-6.76	-	0.09	----	----	10 UNCH
FEB25	----	----	-6.78	-	0.10	----	----	10 UNCH
MAR25	----	----	-6.77	-	0.10	----	----	10 UNCH
APR25	----	----	-6.79	-	0.10	----	----	10 UNCH
MAY25	----	----	-6.80	-	0.11	----	----	10 UNCH
JUN25	----	----	-6.77	-	0.11	----	----	10 UNCH
JUL25	----	----	-6.74	-	0.10	----	----	10 UNCH
AUG25	----	----	-6.74	-	0.09	----	----	10 UNCH
SEP25	----	----	-6.71	-	0.08	----	----	10 UNCH
OCT25	----	----	-6.64	-	0.07	----	----	10 UNCH
NOV25	----	----	-6.66	-	0.06	----	----	10 UNCH
DEC25	----	----	-6.70	-	0.06	----	----	10 UNCH
TOTAL BK FUT							1175	175091 + 815

FH FUT	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH
FH FUT	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH
FH FUT	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH
FH FUT	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH	WTS (ARGUS) VS WTI TRD MTH
JUN19	----	----	-2.89	+	0.05	----	----	609 UNCH
JUL19	----	----	-0.55	-	0.37	----	----	665 UNCH
AUG19	----	----	-0.23	-	0.38	----	----	679 UNCH
SEP19	----	----	-0.08	-	0.23	----	----	679 UNCH
OCT19	----	----	0.03	-	0.12	----	----	739 UNCH
NOV19	----	----	0.08	-	0.05	----	----	739 UNCH
DEC19	----	----	0.13	+	0.03	----	----	739 UNCH
JAN20	----	----	0.08	+	0.08	----	25	227 + 25
FEB20	----	----	0.05	+	0.10	----	25	147 + 25
MAR20	----	----	0.03	+	0.13	----	25	147 + 25
APR20	----	----	-0.03	+	0.12	----	25	147 + 25
MAY20	----	----	-0.05	+	0.15	----	25	147 + 25
JUN20	----	----	-0.08	+	0.17	----	25	147 + 25
JUL20	----	----	-0.11	+	0.22	----	25	147 + 25
AUG20	----	----	-0.11	+	0.22	----	25	133 + 25
SEP20	----	----	-0.11	+	0.22	----	25	133 + 25
OCT20	----	----	-0.10	+	0.23	----	25	133 + 25
NOV20	----	----	-0.10	+	0.23	----	25	133 + 25
DEC20	----	----	-0.10	+	0.23	----	25	133 + 25
TOTAL FH FUT							300	6623 + 300

NATURAL GAS FUTURES PRODUCTS

PW FUT	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS
PW FUT	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS
PW FUT	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS
PW FUT	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS	CENTERPOINT BASIS
JUN19	----	----	-0.3430	-	0.0120	----	----	110 UNCH
JUL19	----	----	-0.2950	-	0.0050	----	----	109 UNCH
AUG19	----	----	-0.2950	-	0.0050	----	----	109 UNCH
SEP19	----	----	-0.3490	-	0.0040	----	----	110 UNCH
OCT19	----	----	-0.3530	-	0.0040	----	----	109 UNCH
NOV19	----	----	-0.2140	-	0.0010	----	----	140 UNCH
TOTAL PW FUT								687
CI FUT	CIG BASIS	CIG BASIS	CIG BASIS	CIG BASIS	CIG BASIS	CIG BASIS	CIG BASIS	CIG BASIS
JUN19	----	----	-0.7780	-	0.0140	----	----	552 UNCH
JUL19	----	----	-0.5460	-	0.0140	----	----	570 UNCH
AUG19	----	----	-0.5070	-	0.0050	----	----	570 UNCH
SEP19	----	----	-0.6620	-	0.0160	----	----	552 UNCH
OCT19	----	----	-0.6260	+	0.0030	----	----	570 UNCH
NOV19	----	----	-0.5020	-	0.0080	----	----	540 UNCH
DEC19	----	----	-0.3140	-	0.0120	----	----	558 UNCH
TOTAL CI FUT								3912
5Z FUT	COLUMB GULF MAINLINE NG BASIS	COLUMB GULF MAINLINE NG BASIS	COLUMB GULF MAINLINE NG BASIS	COLUMB GULF MAINLINE NG BASIS	COLUMB GULF MAINLINE NG BASIS	COLUMB GULF MAINLINE NG BASIS	COLUMB GULF MAINLINE NG BASIS	COLUMB GULF MAINLINE NG BASIS
JUN19	----	----	-0.2160	-	0.0040	----	----	54 UNCH
JUL19	----	----	-0.2010	-	0.0050	----	----	55 UNCH
AUG19	----	----	-0.2090	-	0.0040	----	----	55 UNCH
SEP19	----	----	-0.2340	-	0.0100	----	----	54 UNCH
OCT19	----	----	-0.2360	-	0.0080	----	----	55 UNCH
NOV19	----	----	-0.1880	-	0.0040	----	----	23 UNCH
DEC19	----	----	-0.1830	-	0.0040	----	----	147 UNCH
JAN20	----	----	-0.1960	-	0.0040	----	----	147 UNCH
FEB20	----	----	-0.1830	-	0.0040	----	----	139 UNCH
MAR20	----	----	-0.1860	-	0.0040	----	----	23 UNCH
APR20	----	----	-0.2000	-	0.0030	----	----	23 UNCH
MAY20	----	----	-0.2050	-	0.0030	----	----	23 UNCH
JUN20	----	----	-0.2100	-	0.0020	----	----	23 UNCH
JUL20	----	----	-0.2100	-	0.0020	----	----	23 UNCH
AUG20	----	----	-0.2100	-	0.0020	----	----	22 UNCH
SEP20	----	----	-0.2100	-	0.0030	----	----	22 UNCH
OCT20	----	----	-0.2020	-	0.0020	----	----	22 UNCH
NOV20	----	----	-0.1920	-	0.0010	----	----	22 UNCH
DEC20	----	----	-0.1890	-	0.0010	----	----	22 UNCH
TOTAL 5Z FUT								954
PG FUT	DOMINION TRANSMISSION INC -APPALAC	DOMINION TRANSMISSION INC -APPALAC	DOMINION TRANSMISSION INC -APPALAC	DOMINION TRANSMISSION INC -APPALAC	DOMINION TRANSMISSION INC -APPALAC	DOMINION TRANSMISSION INC -APPALAC	DOMINION TRANSMISSION INC -APPALAC	DOMINION TRANSMISSION INC -APPALAC
JUN19	----	----	-0.4770	-	0.0050	----	----	600 UNCH
JUL19	----	----	-0.4350	-	0.0140	----	----	620 UNCH
AUG19	----	----	-0.4510	-	0.0180	----	----	620 UNCH
SEP19	----	----	-0.6220	-	0.0180	----	----	600 UNCH
OCT19	----	----	-0.6180	-	0.0140	----	----	620 UNCH
NOV19	----	----	-0.4540	UNCH		----	----	690 UNCH
DEC19	----	----	-0.3680	+	0.0020	----	----	713 UNCH
JAN20	----	----	-0.3940	-	0.0020	----	----	403 UNCH
FEB20	----	----	-0.3490	+	0.0020	----	----	377 UNCH
MAR20	----	----	-0.3530	UNCH		----	----	403 UNCH
APR20	----	----	-0.3750	-	0.0010	----	----	180 UNCH

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FINAL

PG61 BULLETIN # 99@

ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
PG FUT DOMINION TRANSMISSION INC -APPALAC								
MAY20	----	----	-0.4470	- 0.0010	----	----	186	UNCH
JUN20	----	----	-0.4900	- 0.0010	----	----	180	UNCH
JUL20	----	----	-0.4800	- 0.0010	----	----	186	UNCH
AUG20	----	----	-0.5150	- 0.0010	----	----	186	UNCH
SEP20	----	----	-0.6350	- 0.0010	----	----	180	UNCH
OCT20	----	----	-0.6150	- 0.0010	----	----	186	UNCH
NOV20	----	----	-0.4380	UNCH	----	----	180	UNCH
DEC20	----	----	-0.3810	+ 0.0010	----	----	186	UNCH
APR21	----	----	-0.3760	- 0.0020	----	----	18	UNCH
MAY21	----	----	-0.4540	- 0.0020	----	----	18	UNCH
JUN21	----	----	-0.5050	- 0.0020	----	----	18	UNCH
JUL21	----	----	-0.5510	- 0.0020	----	----	18	UNCH
AUG21	----	----	-0.5300	- 0.0010	----	----	18	UNCH
SEP21	----	----	-0.6320	- 0.0020	----	----	18	UNCH
OCT21	----	----	-0.6270	- 0.0020	----	----	18	UNCH
TOTAL PG FUT							7422	
TTF FUT DUTCH TTF NATURAL GAS CAL MONTH FUT								
JUN19	----	12.395A	12.595	- 0.055	----	----	134	UNCH
JUL19	----	----	12.575	- 0.070	5	----	215	UNCH
AUG19	----	----	12.960	- 0.105	5	----	210	UNCH
SEP19	----	----	13.835	- 0.060	5	----	210	UNCH
OCT19	----	----	16.580	- 0.005	15	----	189	UNCH
NOV19	----	----	19.690	- 0.045	15	----	189	UNCH
DEC19	----	----	20.470	- 0.015	15	----	189	UNCH
JAN20	----	----	20.595	+ 0.040	----	----	188	UNCH
FEB20	----	----	20.540	+ 0.035	----	----	188	UNCH
MAR20	----	----	20.200	+ 0.005	----	----	188	UNCH
APR20	----	----	18.730	- 0.145	15	----	40 + 5	
MAY20	----	----	17.885	- 0.135	15	----	40 + 5	
JUN20	----	----	17.525	- 0.100	15	----	40 + 5	
JUL20	----	----	17.495	- 0.080	10	----	45 + 10	
AUG20	----	----	17.710	- 0.065	10	----	45 + 10	
SEP20	----	----	18.310	- 0.070	10	----	45 + 10	
OCT20	----	----	19.190	- 0.075	10	----	50 + 7	
NOV20	----	----	19.765	- 0.075	10	----	50 + 7	
DEC20	----	----	20.120	- 0.070	10	----	50 + 7	
JAN21	----	----	20.730	- 0.045	10	----	50 + 7	
FEB21	----	----	20.640	- 0.045	10	----	50 + 7	
MAR21	----	----	19.805	- 0.045	10	----	50 + 7	
APR21	----	----	18.855	- 0.015	----	----	5	UNCH
MAY21	----	----	18.025	- 0.015	----	----	5	UNCH
JUN21	----	----	17.460	- 0.015	----	----	5	UNCH
JUL21	----	----	17.450	- 0.015	----	----	5	UNCH
AUG21	----	----	17.630	- 0.015	----	----	5	UNCH
SEP21	----	----	18.065	- 0.015	----	----	5	UNCH
OCT21	----	----	18.855	- 0.015	----	----	5	UNCH
NOV21	----	----	19.595	- 0.015	----	----	5	UNCH
DEC21	----	----	19.830	- 0.015	----	----	5	UNCH
TOTAL TTF FUT					195		2500 + 87	
NN FUT HENRY HUB								
JUN19	----	----	2.578	+ 0.035	----	1668	50247 + 681	
JUL19	----	----	2.592	+ 0.033	----	124	47846 + 124	
AUG19	----	----	2.604	+ 0.030	----	124	48166 + UNCH	
SEP19	----	----	2.600	+ 0.028	----	----	43776 UNCH	
OCT19	----	----	2.631	+ 0.027	----	----	45623 UNCH	
NOV19	----	----	2.710	+ 0.026	----	560	43885 + 560	
DEC19	----	----	2.882	+ 0.023	----	560	45922 + 560	
JAN20	----	----	2.975	+ 0.021	----	567	33557 + 567	
FEB20	----	----	2.935	+ 0.019	----	568	31519 + 568	
MAR20	----	----	2.818	+ 0.015	----	568	34396 + 568	
APR20	----	----	2.570	+ 0.005	----	533	22331 + 521	
MAY20	----	----	2.537	+ 0.003	----	532	23600 + 520	
JUN20	----	----	2.572	+ 0.004	----	531	23906 + 519	
JUL20	----	----	2.609	+ 0.005	----	531	23769 + 519	
AUG20	----	----	2.619	+ 0.004	----	531	23782 + 519	
SEP20	----	----	2.605	+ 0.004	----	531	22727 + 519	
OCT20	----	----	2.626	+ 0.004	----	531	23516 + 519	
NOV20	----	----	2.678	+ 0.004	----	7	24682 + 7	
DEC20	----	----	2.834	+ 0.004	----	9	24894 + 9	
JAN21	----	----	2.931	+ 0.004	----	20	12195 UNCH	
FEB21	----	----	2.900	+ 0.006	----	20	11613 UNCH	
MAR21	----	----	2.773	+ 0.008	----	20	12339 UNCH	
APR21	----	----	2.523	+ 0.012	----	20	11396 UNCH	
MAY21	----	----	2.493	+ 0.012	----	20	11991 UNCH	
JUN21	----	----	2.524	+ 0.012	----	20	11630 UNCH	
JUL21	----	----	2.557	+ 0.012	----	20	11563 UNCH	
AUG21	----	----	2.566	+ 0.012	----	20	11859 UNCH	
SEP21	----	----	2.559	+ 0.012	----	20	11317 UNCH	
OCT21	----	----	2.583	+ 0.012	----	20	11594 UNCH	
NOV21	----	----	2.638	+ 0.012	----	40	10141 + 20	
DEC21	----	----	2.813	+ 0.012	----	40	10483 + 20	
JAN22	----	----	2.933	+ 0.012	----	20	6702 + 20	
FEB22	----	----	2.893	+ 0.012	----	20	6138 + 20	
MAR22	----	----	2.773	+ 0.012	----	20	6718 + 20	
APR22	----	----	2.520	+ 0.012	----	----	5801 UNCH	
MAY22	----	----	2.492	+ 0.012	----	----	5975 UNCH	
JUN22	----	----	2.523	+ 0.012	----	----	5775 UNCH	
JUL22	----	----	2.558	+ 0.012	----	----	6087 UNCH	
AUG22	----	----	2.569	+ 0.012	----	----	5943 UNCH	
SEP22	----	----	2.564	+ 0.012	----	----	5770 UNCH	
OCT22	----	----	2.588	+ 0.012	----	----	5973 UNCH	
NOV22	----	----	2.648	+ 0.012	----	----	6401 UNCH	
DEC22	----	----	2.830	+ 0.012	----	----	6581 UNCH	
JAN23	----	----	2.953	+ 0.012	----	----	5778 UNCH	
FEB23	----	----	2.910	+ 0.012	----	----	5095 UNCH	
MAR23	----	----	2.803	+ 0.012	----	----	5578 UNCH	
APR23	----	----	2.578	+ 0.012	----	12	4254 UNCH	
MAY23	----	----	2.567	+ 0.012	----	12	4397 UNCH	
JUN23	----	----	2.607	+ 0.012	----	12	4254 UNCH	
JUL23	----	----	2.649	+ 0.012	----	12	4401 UNCH	
AUG23	----	----	2.666	+ 0.012	----	12	4401 UNCH	
SEP23	----	----	2.664	+ 0.012	----	12	4258 UNCH	
OCT23	----	----	2.693	+ 0.012	----	12	4401 UNCH	
NOV23	----	----	2.758	+ 0.012	----	----	4018 UNCH	
DEC23	----	----	2.938	+ 0.012	----	----	4152 UNCH	

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PG61 BULLETIN # 99@

ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE		GLOBAL® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
NN FUT	HENRY HUB								
JAN24	----	----	3.062	+	0.012	----	----	2591	UNCH
FEB24	----	----	3.025	+	0.012	----	----	2451	UNCH
MAR24	----	----	2.930	+	0.012	----	----	2475	UNCH
APR24	----	----	2.695	+	0.012	----	----	1960	UNCH
MAY24	----	----	2.680	+	0.012	----	----	2021	UNCH
JUN24	----	----	2.709	+	0.012	----	----	1960	UNCH
JUL24	----	----	2.740	+	0.012	----	----	2021	UNCH
AUG24	----	----	2.752	+	0.012	----	----	2021	UNCH
SEP24	----	----	2.748	+	0.012	----	----	1960	UNCH
OCT24	----	----	2.772	+	0.012	----	----	2021	UNCH
NOV24	----	----	2.836	+	0.012	----	----	1949	UNCH
DEC24	----	----	3.002	+	0.012	----	----	2056	UNCH
JAN25	----	----	3.122	+	0.012	----	----	2189	UNCH
FEB25	----	----	3.087	+	0.012	----	----	1975	UNCH
MAR25	----	----	3.022	+	0.012	----	----	2069	UNCH
APR25	----	----	2.805	+	0.012	----	----	1994	UNCH
MAY25	----	----	2.790	+	0.012	----	----	2167	UNCH
JUN25	----	----	2.820	+	0.012	----	----	2118	UNCH
JUL25	----	----	2.852	+	0.012	----	----	2187	UNCH
AUG25	----	----	2.869	+	0.012	----	----	2179	UNCH
SEP25	----	----	2.869	+	0.012	----	----	2102	UNCH
OCT25	----	----	2.893	+	0.012	----	----	2059	UNCH
NOV25	----	----	2.957	+	0.012	----	----	2136	UNCH
DEC25	----	----	3.119	+	0.012	----	----	2306	UNCH
JAN26	----	----	3.237	+	0.012	----	----	807	UNCH
FEB26	----	----	3.202	+	0.012	----	----	741	UNCH
MAR26	----	----	3.137	+	0.012	----	----	807	UNCH
APR26	----	----	2.909	+	0.012	----	----	740	UNCH
MAY26	----	----	2.891	+	0.012	----	----	762	UNCH
JUN26	----	----	2.920	+	0.012	----	----	740	UNCH
JUL26	----	----	2.952	+	0.012	----	----	762	UNCH
AUG26	----	----	2.970	+	0.012	----	----	762	UNCH
SEP26	----	----	2.974	+	0.012	----	----	740	UNCH
OCT26	----	----	3.002	+	0.012	----	----	762	UNCH
NOV26	----	----	3.067	+	0.012	----	----	775	UNCH
DEC26	----	----	3.222	+	0.012	----	----	797	UNCH
JAN27	----	----	3.342	+	0.012	----	----	454	UNCH
FEB27	----	----	3.307	+	0.012	----	----	412	UNCH
MAR27	----	----	3.242	+	0.012	----	----	454	UNCH
APR27	----	----	3.014	+	0.012	----	----	440	UNCH
MAY27	----	----	2.996	+	0.012	----	----	454	UNCH
JUN27	----	----	3.026	+	0.012	----	----	440	UNCH
JUL27	----	----	3.059	+	0.012	----	----	454	UNCH
AUG27	----	----	3.077	+	0.012	----	----	454	UNCH
SEP27	----	----	3.082	+	0.012	----	----	440	UNCH
OCT27	----	----	3.110	+	0.012	----	----	454	UNCH
NOV27	----	----	3.176	+	0.012	----	----	440	UNCH
DEC27	----	----	3.331	+	0.012	----	----	454	UNCH
JAN28	----	----	3.451	+	0.012	----	----	341	UNCH
FEB28	----	----	3.416	+	0.012	----	----	319	UNCH
MAR28	----	----	3.351	+	0.012	----	----	341	UNCH
APR28	----	----	3.101	+	0.012	----	----	330	UNCH
MAY28	----	----	3.081	+	0.012	----	----	341	UNCH
JUN28	----	----	3.111	+	0.012	----	----	330	UNCH
JUL28	----	----	3.151	+	0.012	----	----	341	UNCH
AUG28	----	----	3.189	+	0.012	----	----	341	UNCH
SEP28	----	----	3.202	+	0.012	----	----	330	UNCH
OCT28	----	----	3.245	+	0.012	----	----	341	UNCH
NOV28	----	----	3.311	+	0.012	----	----	330	UNCH
DEC28	----	----	3.463	+	0.012	----	----	341	UNCH
JAN29	----	----	3.586	+	0.012	----	----	124	UNCH
FEB29	----	----	3.551	+	0.012	----	----	112	UNCH
MAR29	----	----	3.486	+	0.012	----	----	124	UNCH
APR29	----	----	3.199	+	0.012	----	----	120	UNCH
MAY29	----	----	3.177	+	0.012	----	----	124	UNCH
JUN29	----	----	3.207	+	0.012	----	----	120	UNCH
JUL29	----	----	3.247	+	0.012	----	----	124	UNCH
AUG29	----	----	3.287	+	0.012	----	----	124	UNCH
SEP29	----	----	3.302	+	0.012	----	----	120	UNCH
OCT29	----	----	3.348	+	0.012	----	----	124	UNCH
NOV29	----	----	3.420	+	0.012	----	----	120	UNCH
DEC29	----	----	3.573	+	0.012	----	----	124	UNCH
JAN30	----	----	3.703	+	0.012	----	----	310	UNCH
FEB30	----	----	3.668	+	0.012	----	----	280	UNCH
MAR30	----	----	3.603	+	0.012	----	----	310	UNCH
APR30	----	----	3.301	+	0.012	----	----	300	UNCH
MAY30	----	----	3.279	+	0.012	----	----	310	UNCH
JUN30	----	----	3.314	+	0.012	----	----	300	UNCH
JUL30	----	----	3.354	+	0.012	----	----	310	UNCH
AUG30	----	----	3.394	+	0.012	----	----	310	UNCH
SEP30	----	----	3.409	+	0.012	----	----	300	UNCH
OCT30	----	----	3.455	+	0.012	----	----	310	UNCH
NOV30	----	----	3.527	+	0.012	----	----	300	UNCH
DEC30	----	----	3.682	+	0.012	----	----	310	UNCH
TOTAL NN FUT							8899	979764	+ 7380
HB FUT	HENRY HUB BASIS								
JUN19	----	----	0.0010		UNCH	----	----	5040	UNCH
JUL19	----	----	0.0010		UNCH	----	----	1457	UNCH
AUG19	----	----	0.0010		UNCH	----	----	1457	UNCH
SEP19	----	----	0.0010		UNCH	----	----	1410	UNCH
OCT19	----	----	0.0010		UNCH	----	----	1457	UNCH
TOTAL HB FUT								10821	
IN FUT	HENRY HUB INDEX FUTURE								
MAY19	----	----	0.0240	+	0.0140	----	----	4836	UNCH
JUN19	----	----	0.0050		UNCH	----	----	5040	UNCH
JUL19	----	----	0.0050		UNCH	----	----	1457	UNCH
AUG19	----	----	0.0050		UNCH	----	----	1457	UNCH
SEP19	----	----	0.0050		UNCH	----	----	1410	UNCH
OCT19	----	----	0.0050		UNCH	----	----	1457	UNCH
TOTAL IN FUT								15657	
HH FUT	HENRY HUB NG LAST DAY FINANCIAL								
JUN19	2.551	2.586 /2.541A	2.578	+	0.035	9008	8012	32562	+ 2322
JUL19	2.577	2.597B/2.564A	2.592	+	0.033	840	1950	32623	- 132
AUG19	2.584	2.599B/2.583A	2.604	+	0.030	2325	5500	31112	+ 2458

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PG61 BULLETIN # 99@

ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

HH FUT	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
HENRY HUB NG LAST DAY FINANCIAL							
SEP19	2.581	2.596B/2.580	2.600	+	0.028	2273	100
OCT19	2.615	2.625B/2.607	2.631	+	0.027	891	----
NOV19	2.685	2.700B/2.685	2.710	+	0.026	686	----
DEC19	2.857	2.859B/2.856A	2.882	+	0.023	112	50
JAN20	2.949	2.951B/2.949	2.975	+	0.021	61	100
FEB20	2.912	2.912 /2.911A	2.935	+	0.019	449	----
MAR20	2.797	2.797 /2.797	2.818	+	0.015	39	----
APR20	2.559	2.559 /2.559	2.570	+	0.005	67	1200
MAY20	2.528	2.530B/2.526A	2.537	+	0.003	11	----
JUN20	2.560	2.560 /2.560	2.572	+	0.004	35	----
JUL20	----	----	2.609	+	0.005	----	----
AUG20	----	----	2.619	+	0.004	108	----
SEP20	----	----	2.605	+	0.004	200	----
OCT20	2.616	2.616 /2.616	2.626	+	0.004	102	1200
NOV20	----	----	2.678	+	0.004	30	----
DEC20	----	----	2.834	+	0.004	2	----
JAN21	----	----	2.931	+	0.004	17	----
FEB21	----	----	2.900	+	0.006	17	----
MAR21	----	----	2.773	+	0.008	17	----
APR21	----	----	2.523	+	0.012	17	----
MAY21	----	----	2.493	+	0.012	17	----
JUN21	----	----	2.524	+	0.012	17	----
JUL21	----	----	2.557	+	0.012	17	----
AUG21	----	----	2.566	+	0.012	17	----
SEP21	----	----	2.559	+	0.012	17	----
OCT21	----	----	2.583	+	0.012	17	----
NOV21	----	----	2.638	+	0.012	17	----
DEC21	----	----	2.813	+	0.012	17	----
JAN22	----	----	2.933	+	0.012	----	----
FEB22	----	----	2.893	+	0.012	----	----
MAR22	----	----	2.773	+	0.012	----	----
APR22	----	----	2.520	+	0.012	----	----
MAY22	----	----	2.492	+	0.012	----	----
JUN22	----	----	2.523	+	0.012	----	----
JUL22	----	----	2.558	+	0.012	----	----
AUG22	----	----	2.569	+	0.012	----	----
SEP22	----	----	2.564	+	0.012	----	----
OCT22	----	----	2.588	+	0.012	----	----
NOV22	----	----	2.648	+	0.012	----	----
DEC22	----	----	2.830	+	0.012	----	----
JAN23	----	----	2.953	+	0.012	----	----
FEB23	----	----	2.910	+	0.012	----	----
MAR23	----	----	2.803	+	0.012	----	----
APR23	----	----	2.578	+	0.012	----	----
MAY23	----	----	2.567	+	0.012	----	----
JUN23	----	----	2.607	+	0.012	----	----
JUL23	----	----	2.649	+	0.012	----	----
AUG23	----	----	2.666	+	0.012	----	----
SEP23	----	----	2.664	+	0.012	----	----
OCT23	----	----	2.693	+	0.012	----	----
NOV23	----	----	2.758	+	0.012	----	----
DEC23	----	----	2.938	+	0.012	----	----
JAN24	----	----	3.062	+	0.012	----	----
FEB24	----	----	3.025	+	0.012	----	----
MAR24	----	----	2.930	+	0.012	----	----
APR24	----	----	2.695	+	0.012	----	----
MAY24	----	----	2.680	+	0.012	----	----
JUN24	----	----	2.709	+	0.012	----	----
JUL24	----	----	2.740	+	0.012	----	----
AUG24	----	----	2.752	+	0.012	----	----
SEP24	----	----	2.748	+	0.012	----	----
OCT24	----	----	2.772	+	0.012	----	----
NOV24	----	----	2.836	+	0.012	----	----
DEC24	----	----	3.002	+	0.012	----	----
JAN25	----	----	3.122	+	0.012	----	----
FEB25	----	----	3.087	+	0.012	----	----
MAR25	----	----	3.022	+	0.012	----	----
APR25	----	----	2.805	+	0.012	----	----
MAY25	----	----	2.790	+	0.012	----	----
JUN25	----	----	2.820	+	0.012	----	----
JUL25	----	----	2.852	+	0.012	----	----
AUG25	----	----	2.869	+	0.012	----	----
SEP25	----	----	2.869	+	0.012	----	----
OCT25	----	----	2.893	+	0.012	----	----
NOV25	----	----	2.957	+	0.012	----	----
DEC25	----	----	3.119	+	0.012	----	----
JAN26	----	----	3.237	+	0.012	----	----
FEB26	----	----	3.202	+	0.012	----	----
MAR26	----	----	3.137	+	0.012	----	----
APR26	----	----	2.909	+	0.012	----	----
MAY26	----	----	2.891	+	0.012	----	----
JUN26	----	----	2.920	+	0.012	----	----
JUL26	----	----	2.952	+	0.012	----	----
AUG26	----	----	2.970	+	0.012	----	----
SEP26	----	----	2.974	+	0.012	----	----
OCT26	----	----	3.002	+	0.012	----	----
NOV26	----	----	3.067	+	0.012	----	----
DEC26	----	----	3.222	+	0.012	----	----
TOTAL	HH FUT					17443	18112
HENRY HUB PENULTIMATE FUT							
JUN19	----	----	2.578	+	0.035	----	10523
JUL19	----	----	2.592	+	0.033	----	11482
AUG19	----	----	2.604	+	0.030	30	7224
SEP19	----	----	2.600	+	0.028	----	7811
OCT19	----	----	2.631	+	0.027	----	10698
NOV19	----	----	2.710	+	0.026	----	6876
DEC19	----	----	2.882	+	0.023	----	4939
JAN20	----	----	2.975	+	0.021	----	4983
FEB20	----	----	2.935	+	0.019	----	2526
MAR20	----	----	2.818	+	0.015	----	2384
APR20	----	----	2.570	+	0.005	----	6847
MAY20	----	----	2.537	+	0.003	----	2438
JUN20	----	----	2.572	+	0.004	----	2438
JUL20	----	----	2.609	+	0.005	----	2461
AUG20	----	----	2.619	+	0.004	----	2461
SEP20	----	----	2.605	+	0.004	----	2461

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
NPG FUT		HENRY HUB PENULTIMATE FUT							
OCT20	----	----	2.626	+	0.004	----	2438	UNCH	
NOV20	----	----	2.678	+	0.004	----	1910	UNCH	
DEC20	----	----	2.834	+	0.004	----	1910	UNCH	
JAN21	----	----	2.931	+	0.004	----	1095	UNCH	
FEB21	----	----	2.900	+	0.006	----	1095	UNCH	
MAR21	----	----	2.773	+	0.008	----	1095	UNCH	
APR21	----	----	2.523	+	0.012	----	1135	UNCH	
MAY21	----	----	2.493	+	0.012	----	1135	UNCH	
JUN21	----	----	2.524	+	0.012	----	1135	UNCH	
JUL21	----	----	2.557	+	0.012	----	1135	UNCH	
AUG21	----	----	2.566	+	0.012	----	1135	UNCH	
SEP21	----	----	2.559	+	0.012	----	1135	UNCH	
OCT21	----	----	2.583	+	0.012	----	1135	UNCH	
NOV21	----	----	2.638	+	0.012	----	1090	UNCH	
DEC21	----	----	2.813	+	0.012	----	1090	UNCH	
JAN22	----	----	2.933	+	0.012	----	367	UNCH	
FEB22	----	----	2.893	+	0.012	----	361	UNCH	
MAR22	----	----	2.773	+	0.012	----	367	UNCH	
APR22	----	----	2.520	+	0.012	----	371	UNCH	
MAY22	----	----	2.492	+	0.012	----	373	UNCH	
JUN22	----	----	2.523	+	0.012	----	371	UNCH	
JUL22	----	----	2.558	+	0.012	----	373	UNCH	
AUG22	----	----	2.569	+	0.012	----	373	UNCH	
SEP22	----	----	2.564	+	0.012	----	371	UNCH	
OCT22	----	----	2.588	+	0.012	----	373	UNCH	
NOV22	----	----	2.648	+	0.012	----	365	UNCH	
DEC22	----	----	2.830	+	0.012	----	367	UNCH	
JAN23	----	----	2.953	+	0.012	----	692	UNCH	
FEB23	----	----	2.910	+	0.012	----	692	UNCH	
MAR23	----	----	2.803	+	0.012	----	692	UNCH	
APR23	----	----	2.578	+	0.012	----	672	UNCH	
MAY23	----	----	2.567	+	0.012	----	672	UNCH	
JUN23	----	----	2.607	+	0.012	----	672	UNCH	
JUL23	----	----	2.649	+	0.012	----	672	UNCH	
AUG23	----	----	2.666	+	0.012	----	672	UNCH	
SEP23	----	----	2.664	+	0.012	----	672	UNCH	
OCT23	----	----	2.693	+	0.012	----	672	UNCH	
NOV23	----	----	2.758	+	0.012	----	692	UNCH	
DEC23	----	----	2.938	+	0.012	----	692	UNCH	
JAN24	----	----	3.062	+	0.012	----	1148	UNCH	
FEB24	----	----	3.025	+	0.012	----	1148	UNCH	
MAR24	----	----	2.930	+	0.012	----	1148	UNCH	
APR24	----	----	2.695	+	0.012	----	1148	UNCH	
MAY24	----	----	2.680	+	0.012	----	1148	UNCH	
JUN24	----	----	2.709	+	0.012	----	1148	UNCH	
JUL24	----	----	2.740	+	0.012	----	1148	UNCH	
AUG24	----	----	2.752	+	0.012	----	1148	UNCH	
SEP24	----	----	2.748	+	0.012	----	1148	UNCH	
OCT24	----	----	2.772	+	0.012	----	1148	UNCH	
NOV24	----	----	2.836	+	0.012	----	1148	UNCH	
DEC24	----	----	3.002	+	0.012	----	1148	UNCH	
JAN25	----	----	3.122	+	0.012	----	222	UNCH	
FEB25	----	----	3.087	+	0.012	----	222	UNCH	
MAR25	----	----	3.022	+	0.012	----	222	UNCH	
APR25	----	----	2.805	+	0.012	----	222	UNCH	
MAY25	----	----	2.790	+	0.012	----	222	UNCH	
JUN25	----	----	2.820	+	0.012	----	222	UNCH	
JUL25	----	----	2.852	+	0.012	----	222	UNCH	
AUG25	----	----	2.869	+	0.012	----	222	UNCH	
SEP25	----	----	2.869	+	0.012	----	222	UNCH	
OCT25	----	----	2.893	+	0.012	----	222	UNCH	
NOV25	----	----	2.957	+	0.012	----	222	UNCH	
DEC25	----	----	3.119	+	0.012	----	222	UNCH	
TOTAL	NPG FUT					216	137256	+	30
NHN FUT		HOUSTON SHIP CHANNEL BASIS							
JUN19	----	----	0.0070	-	0.0120	----	510	UNCH	
JUL19	----	----	0.0410	-	0.0070	----	527	UNCH	
AUG19	----	----	0.0350	-	0.0110	----	527	UNCH	
SEP19	----	----	-0.0080	-	0.0180	----	510	UNCH	
OCT19	----	----	-0.0920	-	0.0080	----	527	UNCH	
NOV19	----	----	-0.1060	-	0.0160	----	510	UNCH	
DEC19	----	----	-0.1110	-	0.0080	----	527	UNCH	
JAN20	----	----	-0.1130	-	0.0040	----	279	UNCH	
FEB20	----	----	-0.1100	-	0.0060	----	261	UNCH	
MAR20	----	----	-0.1270	-	0.0170	----	279	UNCH	
APR20	----	----	-0.0340	-	0.0020	----	270	UNCH	
MAY20	----	----	-0.0440	-	0.0020	----	279	UNCH	
JUN20	----	----	-0.0440	-	0.0010	----	270	UNCH	
JUL20	----	----	-0.0080	UNCH		----	403	UNCH	
AUG20	----	----	-0.0410	-	0.0010	----	403	UNCH	
SEP20	----	----	-0.0360	-	0.0010	----	390	UNCH	
OCT20	----	----	-0.0440	-	0.0020	----	403	UNCH	
NOV20	----	----	-0.1160	-	0.0030	----	390	UNCH	
DEC20	----	----	-0.1190	-	0.0040	----	403	UNCH	
JAN21	----	----	-0.1060	-	0.0040	----	155	UNCH	
FEB21	----	----	-0.1110	-	0.0040	----	140	UNCH	
MAR21	----	----	-0.1140	-	0.0040	----	155	UNCH	
APR21	----	----	-0.0620	UNCH		----	150	UNCH	
MAY21	----	----	-0.0850	UNCH		----	155	UNCH	
JUN21	----	----	-0.0820	UNCH		----	150	UNCH	
JUL21	----	----	-0.0370	UNCH		----	155	UNCH	
AUG21	----	----	-0.0600	UNCH		----	155	UNCH	
SEP21	----	----	-0.0500	-	0.0010	----	150	UNCH	
OCT21	----	----	-0.0320	UNCH		----	155	UNCH	
NOV21	----	----	-0.0620	+	0.0010	----	150	UNCH	
DEC21	----	----	-0.0620	+	0.0010	----	155	UNCH	
TOTAL	NHN FUT						9493		
JKM FUT		LNG JAPAN KOREA MARKER PLATTS							
JUL19	----	----	4.725	+	0.005	----	315	UNCH	
AUG19	----	----	5.000	+	0.050	----	340	UNCH	
SEP19	----	----	5.355	+	0.025	----	265	UNCH	
OCT19	----	----	6.080	UNCH		----	607	UNCH	
NOV19	----	----	7.005	+	0.015	----	1025	UNCH	
DEC19	----	----	7.875	-	0.025	----	875	UNCH	
JAN20	----	----	8.325	-	0.025	----	240	UNCH	



	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
JKM FUT	LNG JAPAN KOREA MARKER PLATTS							
FEB20	----	----	8.375	- 0.025	----	----	100	UNCH
MAR20	----	----	7.675	- 0.025	----	----	100	UNCH
APR20	----	----	6.960	- 0.045	----	----	110	UNCH
MAY20	----	----	6.790	- 0.035	----	----	110	UNCH
JUN20	----	----	6.690	- 0.030	----	----	80	UNCH
JUL20	----	----	6.450	- 0.075	----	----	110	UNCH
AUG20	----	----	6.500	- 0.075	----	----	110	UNCH
SEP20	----	----	6.625	- 0.075	----	----	110	UNCH
OCT20	----	----	6.875	+ 0.050	----	----	100	UNCH
NOV20	----	----	7.125	+ 0.060	----	----	100	UNCH
DEC20	----	----	7.825	+ 0.085	----	----	100	UNCH
JAN22	----	----	8.510	- 0.090	----	----	40	UNCH
FEB22	----	----	8.365	- 0.085	----	----	40	UNCH
MAR22	----	----	8.065	- 0.085	----	----	40	UNCH
APR22	----	----	7.225	- 0.075	----	----	40	UNCH
MAY22	----	----	6.680	- 0.070	----	----	40	UNCH
JUN22	----	----	6.435	- 0.065	----	----	40	UNCH
JUL22	----	----	6.185	- 0.065	----	----	40	UNCH
AUG22	----	----	6.185	- 0.065	----	----	40	UNCH
SEP22	----	----	6.285	- 0.065	----	----	40	UNCH
OCT22	----	----	6.780	- 0.070	----	----	40	UNCH
NOV22	----	----	7.325	- 0.075	----	----	40	UNCH
DEC22	----	----	8.065	- 0.085	----	----	40	UNCH
JAN23	----	----	8.510	- 0.090	----	----	30	UNCH
FEB23	----	----	8.365	- 0.085	----	----	30	UNCH
MAR23	----	----	8.065	- 0.085	----	----	30	UNCH
APR23	----	----	7.225	- 0.075	----	----	30	UNCH
MAY23	----	----	6.680	- 0.070	----	----	30	UNCH
JUN23	----	----	6.435	- 0.065	----	----	30	UNCH
JUL23	----	----	6.185	- 0.065	----	----	30	UNCH
AUG23	----	----	6.185	- 0.065	----	----	30	UNCH
SEP23	----	----	6.285	- 0.065	----	----	30	UNCH
OCT23	----	----	6.780	- 0.070	----	----	30	UNCH
NOV23	----	----	7.325	- 0.075	----	----	30	UNCH
DEC23	----	----	8.065	- 0.085	----	----	30	UNCH
TOTAL JKM FUT							5637	
NF FUT	MICHIGAN BASIS							
JUN19	----	----	-0.2430	- 0.0010	----	----	30	UNCH
JUL19	----	----	-0.2480	- 0.0010	----	----	31	UNCH
AUG19	----	----	-0.2550	- 0.0030	----	----	31	UNCH
SEP19	----	----	-0.3040	+ 0.0020	----	----	30	UNCH
OCT19	----	----	-0.3030	- 0.0010	----	----	31	UNCH
NOV19	----	----	-0.1820	- 0.0030	----	----	120	UNCH
DEC19	----	----	-0.1810	- 0.0100	----	----	124	UNCH
JAN20	----	----	-0.2380	- 0.0010	----	----	124	UNCH
FEB20	----	----	-0.2270	- 0.0030	----	----	116	UNCH
MAR20	----	----	-0.1180	- 0.0110	----	----	124	UNCH
APR20	----	----	-0.1240	- 0.0020	----	----	120	UNCH
MAY20	----	----	-0.1640	+ 0.0010	----	----	124	UNCH
JUN20	----	----	-0.2280	+ 0.0010	----	----	120	UNCH
JUL20	----	----	-0.2480	+ 0.0010	----	----	124	UNCH
AUG20	----	----	-0.2450	+ 0.0010	----	----	124	UNCH
SEP20	----	----	-0.3060	UNCH	----	----	120	UNCH
OCT20	----	----	-0.2730	+ 0.0010	----	----	124	UNCH
TOTAL NF FUT							1617	
NL FUT	NGPL MID-CONTINENT							
JUN19	----	----	-0.8150	- 0.0210	----	----	840	UNCH
JUL19	----	----	-0.5880	- 0.0060	----	----	868	UNCH
AUG19	----	----	-0.5440	- 0.0010	----	----	868	UNCH
SEP19	----	----	-0.6300	- 0.0010	----	----	840	UNCH
OCT19	----	----	-0.5700	- 0.0020	----	----	1600	UNCH
NOV19	----	----	-0.4100	+ 0.0010	----	----	1812	UNCH
DEC19	----	----	-0.3530	- 0.0040	----	----	1324	UNCH
JAN20	----	----	-0.2920	UNCH	----	----	620	UNCH
FEB20	----	----	-0.3110	UNCH	----	----	580	UNCH
MAR20	----	----	-0.4660	- 0.0010	----	----	620	UNCH
TOTAL NL FUT							9972	
PD FUT	NGPL TEX /OK							
JUN19	----	----	-0.2420	- 0.0110	----	----	2070	UNCH
JUL19	----	----	-0.2450	- 0.0130	----	----	2105	UNCH
AUG19	----	----	-0.2410	- 0.0030	----	----	2105	UNCH
SEP19	----	----	-0.2450	- 0.0040	----	----	2070	UNCH
OCT19	----	----	-0.2560	- 0.0040	----	----	1917	UNCH
NOV19	----	----	-0.2300	- 0.0060	----	----	1770	UNCH
DEC19	----	----	-0.2240	- 0.0060	----	----	1915	UNCH
JAN20	----	----	-0.2400	- 0.0060	----	----	620	UNCH
FEB20	----	----	-0.2320	- 0.0060	----	----	580	UNCH
MAR20	----	----	-0.2300	- 0.0060	----	----	620	UNCH
TOTAL PD FUT							15772	
PE FUT	NORTHERN NATURAL GAS DEMARCATION							
JUN19	----	----	-0.3960	- 0.0040	----	----	60	UNCH
JUL19	----	----	-0.3360	- 0.0020	----	----	62	UNCH
AUG19	----	----	-0.3280	+ 0.0020	----	----	62	UNCH
SEP19	----	----	-0.3850	- 0.0010	----	----	60	UNCH
OCT19	----	----	-0.3600	+ 0.0030	----	----	62	UNCH
TOTAL PE FUT							306	
PF FUT	NORTHERN NATURAL GAS VENTURA IOWA							
JUN19	----	----	-0.3760	- 0.0040	----	----	180	UNCH
JUL19	----	----	-0.3140	- 0.0040	----	----	186	UNCH
AUG19	----	----	-0.3060	+ 0.0020	----	----	186	UNCH
SEP19	----	----	-0.3620	- 0.0020	----	----	180	UNCH
OCT19	----	----	-0.3420	- 0.0040	----	----	186	UNCH
TOTAL PF FUT							918	
NR FUT	NORTHWEST ROCKIES BASIS FUTURE							
JUN19	----	----	-0.6690	- 0.0020	----	----	1320	UNCH
JUL19	----	----	-0.3830	+ 0.0010	----	----	1364	UNCH
AUG19	----	----	-0.2800	- 0.0010	----	----	1364	UNCH
SEP19	----	----	-0.5040	+ 0.0010	----	----	1320	UNCH
OCT19	----	----	-0.4830	+ 0.0110	----	----	1364	UNCH
NOV19	----	----	-0.2860	- 0.0030	----	----	1170	UNCH
DEC19	----	----	0.0440	- 0.0030	----	----	1209	UNCH

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FINAL

PG61 BULLETIN # 99@

ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
NORTHWEST ROCKIES BASIS FUTURE								
NR FUT								
JAN20	----	----	-0.0420	-	0.0060	----	124	UNCH
FEB20	----	----	-0.1530	-	0.0050	----	116	UNCH
MAR20	----	----	-0.5680	-	0.0050	----	124	UNCH
APR20	----	----	-0.6810		UNCH	----	60	UNCH
MAY20	----	----	-0.6740		UNCH	----	62	UNCH
JUN20	----	----	-0.6890		UNCH	----	60	UNCH
JUL20	----	----	-0.3810	+	0.0020	----	62	UNCH
AUG20	----	----	-0.3790	+	0.0020	----	62	UNCH
SEP20	----	----	-0.4060	+	0.0020	----	60	UNCH
OCT20	----	----	-0.5810	+	0.0010	----	62	UNCH
NOV20	----	----	-0.4340	+	0.0020	----	60	UNCH
DEC20	----	----	-0.2900	+	0.0020	----	62	UNCH
TOTAL NR FUT							10025	
NYMEX NATURAL GAS FUTURES								
HP FUT								
JUN19	2.562	2.575 /2.560	2.578	+	0.035	1589	2797	25408 + 2854
JUL19	----	----	2.592	+	0.033	----	866	9886 UNCH
AUG19	2.584	2.584 /2.580A	2.604	+	0.030	1	79	7527 - 9
SEP19	----	----	2.600	+	0.028	----	216	5522 - 78
OCT19	----	----	2.631	+	0.027	----	288	7816 + 20
NOV19	----	2.695B	2.710	+	0.026	----	1256	4516 + 763
DEC19	----	----	2.882	+	0.023	----	----	2955 UNCH
JAN20	2.959	2.959 /2.959	2.975	+	0.021	1	36	3454 - 36
FEB20	----	2.919B	2.935	+	0.019	----	44	1555 + 44
MAR20	----	----	2.818	+	0.015	----	----	3937 UNCH
APR20	----	----	2.570	+	0.005	----	82	3055 - 42
MAY20	----	----	2.537	+	0.003	----	62	1457 - 35
JUN20	----	----	2.572	+	0.004	----	42	1505 - 42
JUL20	----	----	2.609	+	0.005	----	42	1530 - 42
AUG20	----	----	2.619	+	0.004	----	42	1530 - 42
SEP20	----	----	2.605	+	0.004	----	42	1530 - 42
OCT20	----	----	2.626	+	0.004	----	42	1502 - 40
NOV20	----	----	2.678	+	0.004	----	----	990 UNCH
DEC20	----	----	2.834	+	0.004	----	----	1221 UNCH
JAN21	----	----	2.931	+	0.004	----	3	638 + 3
FEB21	----	----	2.900	+	0.006	----	3	593 + 3
MAR21	----	----	2.773	+	0.008	----	3	618 + 3
APR21	----	----	2.523	+	0.012	----	----	653 UNCH
MAY21	----	----	2.493	+	0.012	----	----	653 UNCH
JUN21	----	----	2.524	+	0.012	----	----	852 UNCH
JUL21	----	----	2.557	+	0.012	----	----	653 UNCH
AUG21	----	----	2.566	+	0.012	----	----	653 UNCH
SEP21	----	----	2.559	+	0.012	----	----	653 UNCH
OCT21	----	----	2.583	+	0.012	----	----	653 UNCH
NOV21	----	----	2.638	+	0.012	----	----	544 UNCH
DEC21	----	----	2.813	+	0.012	----	----	526 UNCH
JAN22	----	----	2.933	+	0.012	----	----	282 UNCH
FEB22	----	----	2.893	+	0.012	----	----	282 UNCH
MAR22	----	----	2.773	+	0.012	----	----	282 UNCH
APR22	----	----	2.520	+	0.012	----	----	222 UNCH
MAY22	----	----	2.492	+	0.012	----	----	222 UNCH
JUN22	----	----	2.523	+	0.012	----	----	222 UNCH
JUL22	----	----	2.558	+	0.012	----	----	222 UNCH
AUG22	----	----	2.569	+	0.012	----	----	222 UNCH
SEP22	----	----	2.564	+	0.012	----	----	222 UNCH
OCT22	----	----	2.588	+	0.012	----	----	222 UNCH
NOV22	----	----	2.648	+	0.012	----	----	362 UNCH
DEC22	----	----	2.830	+	0.012	----	----	362 UNCH
JAN23	----	----	2.953	+	0.012	----	----	271 UNCH
FEB23	----	----	2.910	+	0.012	----	----	271 UNCH
MAR23	----	----	2.803	+	0.012	----	----	271 UNCH
APR23	----	----	2.578	+	0.012	----	----	370 UNCH
MAY23	----	----	2.567	+	0.012	----	----	370 UNCH
JUN23	----	----	2.607	+	0.012	----	----	370 UNCH
JUL23	----	----	2.649	+	0.012	----	----	370 UNCH
AUG23	----	----	2.666	+	0.012	----	----	370 UNCH
SEP23	----	----	2.664	+	0.012	----	----	370 UNCH
OCT23	----	----	2.693	+	0.012	----	----	370 UNCH
NOV23	----	----	2.758	+	0.012	----	----	370 UNCH
DEC23	----	----	2.938	+	0.012	----	----	370 UNCH
JAN24	----	----	3.062	+	0.012	----	----	23 UNCH
FEB24	----	----	3.025	+	0.012	----	----	23 UNCH
MAR24	----	----	2.930	+	0.012	----	----	23 UNCH
APR24	----	----	2.695	+	0.012	----	----	37 UNCH
MAY24	----	----	2.680	+	0.012	----	----	37 UNCH
JUN24	----	----	2.709	+	0.012	----	----	37 UNCH
JUL24	----	----	2.740	+	0.012	----	----	37 UNCH
AUG24	----	----	2.752	+	0.012	----	----	37 UNCH
SEP24	----	----	2.748	+	0.012	----	----	37 UNCH
OCT24	----	----	2.772	+	0.012	----	----	37 UNCH
NOV24	----	----	2.836	+	0.012	----	----	23 UNCH
DEC24	----	----	3.002	+	0.012	----	----	23 UNCH
TOTAL HP FUT					1591	5945	102226 + 3282	
PANHANDLE BASIS FUTURE								
PH FUT								
JUN19	----	----	-0.7290	+	0.0170	----	----	360 UNCH
JUL19	----	----	-0.5980	+	0.0020	----	----	372 UNCH
AUG19	----	----	-0.5500		UNCH	----	----	372 UNCH
SEP19	----	----	-0.6420		UNCH	----	----	360 UNCH
OCT19	----	----	-0.5980	-	0.0020	----	----	372 UNCH
NOV19	----	----	-0.4490	-	0.0100	----	----	120 UNCH
DEC19	----	----	-0.3380	-	0.0080	----	----	124 UNCH
JAN20	----	----	-0.3200	-	0.0030	----	----	62 UNCH
FEB20	----	----	-0.3640	-	0.0070	----	----	58 UNCH
MAR20	----	----	-0.4790	-	0.0080	----	----	62 UNCH
APR20	----	----	-0.5200	-	0.0050	----	----	121 UNCH
MAY20	----	----	-0.5350	-	0.0050	----	----	124 UNCH
JUN20	----	----	-0.5180	-	0.0050	----	----	121 UNCH
JUL20	----	----	-0.4230	-	0.0040	----	----	123 UNCH
AUG20	----	----	-0.4300	-	0.0040	----	----	123 UNCH
SEP20	----	----	-0.4430	-	0.0040	----	----	120 UNCH
OCT20	----	----	-0.4780	-	0.0050	----	----	123 UNCH
NOV20	----	----	-0.3890	-	0.0010	----	----	30 UNCH
DEC20	----	----	-0.3490	-	0.0020	----	----	30 UNCH
APR21	----	----	-0.4090	-	0.0020	----	----	30 UNCH
MAY21	----	----	-0.4620	-	0.0010	----	----	31 UNCH
JUN21	----	----	-0.4570	-	0.0010	----	----	30 UNCH

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ENERGY FUTURES PRODUCTS

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	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
PH FUT PANHANDLE BASIS FUTURE								
JUL21	----	----	-0.3760	- 0.0020	----	----	31	UNCH
AUG21	----	----	-0.3880	- 0.0010	----	----	31	UNCH
SEP21	----	----	-0.4010	- 0.0010	----	----	30	UNCH
OCT21	----	----	-0.4340	- 0.0020	----	----	31	UNCH
TOTAL PH FUT							3391	
PM FUT PERMIAN BASIS								
JUN19	----	----	-2.3690	+ 0.0250	----	----	120	UNCH
JUL19	----	----	-1.9080	+ 0.0220	----	----	124	UNCH
AUG19	----	----	-1.5020	+ 0.0940	----	----	124	UNCH
SEP19	----	----	-1.1890	+ 0.0930	----	----	120	UNCH
OCT19	----	----	-0.7680	+ 0.0080	----	----	124	UNCH
NOV19	----	----	-0.6060	+ 0.0120	----	----	60	UNCH
DEC19	----	----	-0.4850	+ 0.0180	----	----	62	UNCH
JAN20	----	----	-0.4150	+ 0.0290	----	----	279	UNCH
FEB20	----	----	-0.5340	+ 0.0150	----	----	261	UNCH
MAR20	----	----	-1.0290	+ 0.0200	----	----	279	UNCH
APR20	----	----	-1.4660	- 0.0170	----	----	270	UNCH
MAY20	----	----	-1.4060	- 0.0170	----	----	279	UNCH
JUN20	----	----	-1.2930	- 0.0140	----	----	270	UNCH
JUL20	----	----	-0.9990	- 0.0130	----	----	279	UNCH
AUG20	----	----	-0.9880	- 0.0120	----	----	279	UNCH
SEP20	----	----	-1.0950	- 0.0130	----	----	270	UNCH
OCT20	----	----	-0.9470	- 0.0090	----	----	279	UNCH
NOV20	----	----	-0.4580	- 0.0020	----	----	270	UNCH
DEC20	----	----	-0.3570	- 0.0030	----	----	279	UNCH
TOTAL PM FUT							4028	
NJ FUT SAN JUAN BASIS								
JUN19	----	----	-0.9710	+ 0.0300	----	----	1170	UNCH
JUL19	----	----	-0.5630	+ 0.0110	----	----	713	UNCH
AUG19	----	----	-0.5360	- 0.0060	----	----	713	UNCH
SEP19	----	----	-0.6470	+ 0.0040	----	----	690	UNCH
OCT19	----	----	-0.6210	+ 0.0120	----	----	713	UNCH
NOV19	----	----	-0.5170	+ 0.0060	----	----	180	UNCH
DEC19	----	----	-0.1380	+ 0.0030	----	----	186	UNCH
APR20	----	----	-0.7820	- 0.0280	----	----	60	UNCH
MAY20	----	----	-0.7820	- 0.0280	----	----	62	UNCH
JUN20	----	----	-0.7700	- 0.0290	----	----	60	UNCH
JUL20	----	----	-0.3280	- 0.0120	----	----	62	UNCH
AUG20	----	----	-0.4060	- 0.0160	----	----	62	UNCH
SEP20	----	----	-0.4370	- 0.0160	----	----	60	UNCH
OCT20	----	----	-0.6230	- 0.0230	----	----	62	UNCH
TOTAL NJ FUT							4793	
NK FUT SUMAS BASIS								
JUN19	----	----	-0.7890	- 0.0110	----	----	120	UNCH
JUL19	----	----	-0.0660	+ 0.0250	----	----	124	UNCH
AUG19	----	----	0.0380	- 0.0090	----	----	124	UNCH
SEP19	----	----	-0.2440	- 0.0040	----	----	120	UNCH
OCT19	----	----	-0.3410	UNCH	----	----	124	UNCH
NOV19	----	----	0.3440	+ 0.0290	----	----	180	UNCH
DEC19	----	----	1.0200	- 0.0110	----	----	186	UNCH
JAN20	----	----	0.9050	- 0.0320	----	----	155	UNCH
FEB20	----	----	0.3990	- 0.0340	----	----	145	UNCH
MAR20	----	----	-0.1440	- 0.0360	----	----	155	UNCH
TOTAL NK FUT							1433	
TC FUT TCO BASIS								
JUN19	----	----	-0.2920	- 0.0040	----	----	360	UNCH
JUL19	----	----	-0.3020	- 0.0110	----	----	372	UNCH
AUG19	----	----	-0.3070	- 0.0090	----	----	372	UNCH
SEP19	----	----	-0.3830	- 0.0070	----	----	360	UNCH
OCT19	----	----	-0.3950	- 0.0130	----	----	372	UNCH
NOV19	----	----	-0.2730	- 0.0040	----	----	120	UNCH
DEC19	----	----	-0.2580	- 0.0040	----	----	124	UNCH
JAN20	----	----	-0.2540	- 0.0040	----	----	124	UNCH
FEB20	----	----	-0.2640	- 0.0140	----	----	116	UNCH
MAR20	----	----	-0.2630	- 0.0010	----	----	124	UNCH
APR20	----	----	-0.2690	- 0.0010	----	----	120	UNCH
MAY20	----	----	-0.3020	- 0.0020	----	----	124	UNCH
JUN20	----	----	-0.3370	- 0.0020	----	----	120	UNCH
JUL20	----	----	-0.3840	- 0.0010	----	----	124	UNCH
AUG20	----	----	-0.4220	- 0.0020	----	----	124	UNCH
SEP20	----	----	-0.4290	- 0.0010	----	----	120	UNCH
OCT20	----	----	-0.4170	- 0.0020	----	----	124	UNCH
TOTAL TC FUT							3300	
NX FUT TEXAS EASTERN ZONE M-3 BASIS								
JUN19	----	----	-0.4020	- 0.0010	----	----	60	UNCH
JUL19	----	----	-0.3000	- 0.0210	----	----	62	UNCH
AUG19	----	----	-0.3040	- 0.0110	----	----	62	UNCH
SEP19	----	----	-0.5320	- 0.0160	----	----	60	UNCH
OCT19	----	----	-0.5030	- 0.0170	----	----	62	UNCH
NOV19	----	----	-0.1750	+ 0.0110	----	----	60	UNCH
DEC19	----	----	0.5040	- 0.0070	----	----	62	UNCH
JAN20	----	----	2.9240	+ 0.0200	----	----	124	UNCH
FEB20	----	----	2.7990	- 0.0320	----	----	116	UNCH
MAR20	----	----	0.1210	+ 0.0310	----	----	124	UNCH
APR20	----	----	-0.2080	- 0.0010	----	----	60	UNCH
MAY20	----	----	-0.3370	- 0.0010	----	----	62	UNCH
JUN20	----	----	-0.3440	UNCH	----	----	60	UNCH
JUL20	----	----	-0.3490	UNCH	----	----	62	UNCH
AUG20	----	----	-0.4270	- 0.0010	----	----	62	UNCH
SEP20	----	----	-0.5420	- 0.0010	----	----	60	UNCH
OCT20	----	----	-0.5290	UNCH	----	----	62	UNCH
NOV20	----	----	-0.2560	- 0.0020	----	----	60	UNCH
DEC20	----	----	0.4060	- 0.0030	----	----	62	UNCH
TOTAL NX FUT							1342	
TZ6 FUT TRANSCO ZONE 6 NON NY BASIS								
JUN19	----	----	-0.4020	- 0.0030	----	----	210	UNCH
JUL19	----	----	-0.2610	- 0.0110	----	----	217	UNCH
AUG19	----	----	-0.2730	- 0.0090	----	----	217	UNCH
SEP19	----	----	-0.4650	+ 0.0350	----	----	210	UNCH
OCT19	----	----	-0.4990	- 0.0200	----	----	217	UNCH
NOV19	----	----	-0.1600	+ 0.0110	----	----	210	UNCH

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TZ6 FUT	TRANSCO ZONE 6 NON NY BASIS							
DEC19	----	----	0.5090 - 0.0040		----	----	217	UNCH
TOTAL TZ6 FUT							1498	
TR FUT	TRANSCO ZONE4 BASIS							
JUN19	----	----	-0.0500 - 0.0020		----	----	136	UNCH
JUL19	----	----	-0.0520 UNCH		----	----	136	UNCH
AUG19	----	----	-0.0600 UNCH		----	----	135	UNCH
SEP19	----	----	-0.0600 UNCH		----	----	134	UNCH
OCT19	----	----	-0.0650 UNCH		----	----	134	UNCH
NOV19	----	----	-0.0500 UNCH		----	----	133	UNCH
DEC19	----	----	-0.0470 UNCH		----	----	132	UNCH
JAN20	----	----	-0.0570 UNCH		----	----	132	UNCH
FEB20	----	----	-0.0400 UNCH		----	----	131	UNCH
MAR20	----	----	-0.0650 UNCH		----	----	130	UNCH
APR20	----	----	-0.0590 UNCH		----	----	130	UNCH
MAY20	----	----	-0.0590 UNCH		----	----	129	UNCH
JUN20	----	----	-0.0610 UNCH		----	----	129	UNCH
JUL20	----	----	-0.0610 UNCH		----	----	128	UNCH
AUG20	----	----	-0.0590 UNCH		----	----	127	UNCH
SEP20	----	----	-0.0610 UNCH		----	----	127	UNCH
OCT20	----	----	-0.0590 UNCH		----	----	126	UNCH
NOV20	----	----	-0.0590 UNCH		----	----	125	UNCH
DEC20	----	----	-0.0590 UNCH		----	----	125	UNCH
TOTAL TR FUT							2479	
UKG FUT	UK NBP NAT GAS CAL MTH FUT							
JUN19	----	30.575B/29.775	30.430 + 0.080		----	----	40	UNCH
JUL19	----	----	30.440 - 0.100		----	----	40	UNCH
AUG19	----	----	32.390 - 0.200		----	----	40	UNCH
SEP19	----	----	36.330 - 0.100		----	----	40	UNCH
TOTAL UKG FUT							160	
NW FUT	WAHA BASIS							
JUN19	----	----	-2.4690 + 0.0350		----	----	320	UNCH
JUL19	----	----	-2.0970 + 0.0300		----	----	224	UNCH
AUG19	----	----	-1.6880 + 0.1010		----	----	98	UNCH
SEP19	----	----	-1.2740 + 0.0840		----	----	94	UNCH
OCT19	----	----	-0.7980 - 0.0010		----	----	99	UNCH
NOV19	----	----	-0.6530 + 0.0060		----	----	63	UNCH
DEC19	----	----	-0.5470 + 0.0070		----	----	66	UNCH
JAN20	----	----	-0.5390 + 0.0120		----	----	67	UNCH
FEB20	----	----	-0.6640 - 0.0050		----	----	62	UNCH
MAR20	----	----	-1.1930 - 0.0120		----	----	67	UNCH
APR20	----	----	-1.5930 - 0.0190		----	----	66	UNCH
MAY20	----	----	-1.5480 - 0.0190		----	----	67	UNCH
JUN20	----	----	-1.4060 - 0.0170		----	----	65	UNCH
JUL20	----	----	-1.1320 - 0.0130		----	----	67	UNCH
AUG20	----	----	-1.1150 - 0.0130		----	----	67	UNCH
SEP20	----	----	-1.1990 - 0.0150		----	----	65	UNCH
OCT20	----	----	-1.0520 - 0.0130		----	----	31	UNCH
NOV20	----	----	-0.4740 + 0.0010		----	----	30	UNCH
DEC20	----	----	-0.3710 - 0.0010		----	----	31	UNCH
TOTAL NW FUT							1649	

PETROLEUM FUTURES PRODUCTS

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
FVB FUT	1.0% FUEL OIL (PLATTS) FOB NWE							
JAN20	----	----	1.287 - 0.122		----	----	5	UNCH
FEB20	----	----	0.560 - 0.127		----	----	5	UNCH
MAR20	----	----	0.160 - 0.176		----	----	5	UNCH
APR20	----	----	-0.262 - 0.288		----	----	5	UNCH
MAY20	----	----	-0.338 - 0.309		----	----	5	UNCH
JUN20	----	----	-0.286 - 0.360		----	----	5	UNCH
TOTAL FVB FUT							30	
BOB FUT	3.5% FUEL OIL (PLATTS) FOB RDA							
MAY19	----	----	-8.930 + 0.173		----	----	237	UNCH
JUN19	----	----	-8.747 + 0.604		----	70	305 + 32	
JUL19	----	----	-8.693 + 0.517		----	----	281	UNCH
AUG19	----	----	-9.366 + 0.393		----	----	295	UNCH
SEP19	----	----	-10.556 + 0.276		----	----	290	UNCH
OCT19	----	----	-12.072 + 0.127		----	----	101	UNCH
NOV19	----	----	-13.379 + 0.001		----	----	101	UNCH
DEC19	----	----	-14.525 - 0.154		----	----	101	UNCH
JAN20	----	----	-15.471 - 0.188		----	1	95	UNCH
FEB20	----	----	-15.870 - 0.258		----	1	95	UNCH
MAR20	----	----	-15.995 - 0.308		----	1	95	UNCH
APR20	----	----	-16.070 - 0.348		----	1	83	UNCH
MAY20	----	----	-16.067 - 0.408		----	1	83	UNCH
JUN20	----	----	-16.034 - 0.479		----	1	83	UNCH
JUL20	----	----	-15.922 - 0.547		----	1	73	UNCH
AUG20	----	----	-15.729 - 0.621		----	1	73	UNCH
SEP20	----	----	-15.491 - 0.688		----	1	73	UNCH
OCT20	----	----	-15.125 - 0.737		----	1	102	UNCH
NOV20	----	----	-14.698 - 0.797		----	1	102	UNCH
DEC20	----	----	-14.148 - 0.861		----	1	97	UNCH
JAN21	----	----	-13.828 - 0.890		----	----	17	UNCH
FEB21	----	----	-13.539 - 0.939		----	----	17	UNCH

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	BOB FUT	7D FUT	63 FUT	FCB FUT	EOB FUT	3NA FUT	5C FUT	3C FUT
	3.5% FUEL OIL (PLATTS) FOB RDA	3.5% FUEL OIL CID MED	3.5% FUEL OIL RDAM VS FOB MED BALM	3.5% FUELOIL FOB RDAM CRK SPD BALMO	ARGUS GASOLINE NWE CRACK SPR	ARGUS PROPANE FAR EAST INDEX VS. JA	CHICAGO ULSD PL VS HO SPR	CHICAGO UNL GAS PL VS RBOB SPR
	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
	MAR21	----	-13.292 - 0.989	----	----	17	UNCH	
	APR21	----	-13.092 - 1.039	----	----	17	UNCH	
	MAY21	----	-12.966 - 1.102	----	----	17	UNCH	
	JUN21	----	-12.892 - 1.139	----	----	17	UNCH	
	JUL21	----	-12.841 - 1.180	----	----	17	UNCH	
	AUG21	----	-12.810 - 1.240	----	----	17	UNCH	
	SEP21	----	-12.789 - 1.311	----	----	17	UNCH	
	OCT21	----	-12.788 - 1.379	----	----	17	UNCH	
	NOV21	----	-12.826 - 1.429	----	----	17	UNCH	
	DEC21	----	-12.862 - 1.481	----	----	17	UNCH	
TOTAL BOB FUT					82	2969 + 32		
	MAY19	----	395.506 - 5.258	----	----	9	UNCH	
	JUN19	----	374.119 - 17.975	----	----	34	UNCH	
	JUL19	----	368.224 - 19.138	----	----	9	UNCH	
	AUG19	----	359.129 - 20.210	----	----	4	UNCH	
	SEP19	----	348.513 - 20.870	----	----	4	UNCH	
	OCT19	----	335.721 - 21.647	----	----	4	UNCH	
	NOV19	----	325.103 - 22.192	----	----	4	UNCH	
	DEC19	----	314.929 - 23.031	----	----	4	UNCH	
TOTAL 7D FUT						72		
	07MAY19	----	-1.451 - 0.104	----	----	5	UNCH	
TOTAL 63 FUT						5		
	07MAY19	----	-9.008 + 0.247	----	----	32	UNCH	
TOTAL FCB FUT						32		
	MAY19	----	14.311 - 0.025	----	----	5	UNCH	
	JUN19	----	15.198 + 0.382	----	----	5	UNCH	
	OCT19	----	4.943 + 0.160	----	----	10	UNCH	
	NOV19	----	3.928 + 0.109	----	----	5	UNCH	
	DEC19	----	3.569 + 0.115	----	----	5	UNCH	
TOTAL EOB FUT						30		
	MAY19	----	-85.831 + 3.513	----	----	15	UNCH	
	JUN19	----	-102.700 + 13.135	----	----	2	UNCH	
	JUL19	----	-104.450 + 12.385	----	----	1	UNCH	
	AUG19	----	-100.200 + 12.260	----	----	1	UNCH	
	SEP19	----	-93.575 + 12.260	----	----	1	UNCH	
	OCT19	----	-86.950 + 12.385	----	----	2	UNCH	
	NOV19	----	-80.575 + 12.010	----	----	2	UNCH	
	DEC19	----	-74.825 + 11.760	----	----	2	UNCH	
TOTAL 3NA FUT						26		
	MAY19	----	-0.0050 + 0.0001	----	----	289	UNCH	
	JUN19	----	-0.0097 UNCH	----	----	318	UNCH	
	JUL19	----	-0.0219 UNCH	----	----	405	UNCH	
	AUG19	----	-0.0249 UNCH	----	----	488	UNCH	
	SEP19	----	0.0089 UNCH	----	----	542	UNCH	
	OCT19	----	0.0009 UNCH	----	----	419	UNCH	
	NOV19	----	-0.0122 UNCH	----	----	211	UNCH	
	DEC19	----	-0.0351 UNCH	----	----	103	UNCH	
	JAN20	----	-0.0172 UNCH	----	----	33	UNCH	
	FEB20	----	-0.0172 UNCH	----	----	35	UNCH	
	MAR20	----	-0.0172 UNCH	----	----	35	UNCH	
	APR20	----	-0.0172 UNCH	----	----	35	UNCH	
	MAY20	----	-0.0172 UNCH	----	----	35	UNCH	
	JUN20	----	-0.0125 UNCH	----	----	35	UNCH	
	JUL20	----	-0.0125 UNCH	----	----	35	UNCH	
	AUG20	----	-0.0125 UNCH	----	----	35	UNCH	
	SEP20	----	-0.0125 UNCH	----	----	35	UNCH	
	OCT20	----	-0.0125 UNCH	----	----	35	UNCH	
	NOV20	----	-0.0125 UNCH	----	----	35	UNCH	
	DEC20	----	-0.0125 UNCH	----	----	35	UNCH	
TOTAL 5C FUT						3193		
	MAY19	----	0.0094 - 0.0042	----	----	137	UNCH	
	JUN19	----	0.0150 UNCH	----	----	137	UNCH	
	JUL19	----	0.0150 UNCH	----	----	177	UNCH	
	AUG19	----	0.0150 UNCH	----	----	2	UNCH	
	DEC19	----	-0.0833 UNCH	----	----	100	UNCH	
TOTAL 3C FUT						553		

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EWN FUT	E/W NAPHTHA		JAPAN CF-CARGOS		CIF NWE					
MAY19	----	----	----	----	10.141	- 0.174	----	----	147	UNCH
JUN19	----	----	----	----	12.000	- 0.375	----	----	267	UNCH
JUL19	----	----	----	----	13.250	- 0.625	----	----	69	UNCH
AUG19	----	----	----	----	14.250	- 1.000	----	----	37	UNCH
SEP19	----	----	----	----	15.625	- 0.500	----	----	39	UNCH
OCT19	----	----	----	----	16.000	- 0.375	----	----	68	UNCH
NOV19	----	----	----	----	16.625	UNCH	----	----	68	UNCH
DEC19	----	----	----	----	17.125	UNCH	----	----	88	UNCH
TOTAL EWN FUT									783	
EW FUT	EAST/WEST FUEL OIL SPREAD									
MAY19	----	----	----	----	28.46	- 0.18	----	----	4	UNCH
JUN19	----	----	----	----	30.85	+ 0.60	----	----	4	UNCH
JUL19	----	----	----	----	31.75	+ 0.50	----	----	4	UNCH
AUG19	----	----	----	----	34.00	+ 0.55	----	----	4	UNCH
SEP19	----	----	----	----	36.75	+ 0.43	----	----	4	UNCH
OCT19	----	----	----	----	39.13	+ 0.51	----	----	1	UNCH
NOV19	----	----	----	----	40.13	+ 0.30	----	----	1	UNCH
DEC19	----	----	----	----	40.50	+ 0.03	----	----	1	UNCH
JAN20	----	----	----	----	43.75	+ 0.10	----	----	1	UNCH
FEB20	----	----	----	----	43.25	+ 0.10	----	----	1	UNCH
MAR20	----	----	----	----	42.75	+ 0.10	----	----	1	UNCH
APR20	----	----	----	----	42.46	- 0.09	----	----	1	UNCH
MAY20	----	----	----	----	41.67	- 0.16	----	----	1	UNCH
JUN20	----	----	----	----	41.03	+ 0.01	----	----	1	UNCH
JUL20	----	----	----	----	40.02	+ 0.18	----	----	1	UNCH
AUG20	----	----	----	----	38.50	+ 0.35	----	----	1	UNCH
SEP20	----	----	----	----	38.33	+ 0.35	----	----	1	UNCH
OCT20	----	----	----	----	37.54	+ 0.35	----	----	1	UNCH
NOV20	----	----	----	----	36.00	+ 0.35	----	----	1	UNCH
DEC20	----	----	----	----	35.36	+ 0.47	----	----	1	UNCH
TOTAL EW FUT									35	
EWG FUT	EAST-WST GASOLINE SPREAD PLATTS/ARG									
MAY19	----	----	----	----	-9.664	- 0.187	----	----	1143	UNCH
JUN19	----	----	----	----	-10.850	- 0.700	----	----	1495	UNCH
JUL19	----	----	----	----	-7.012	- 0.439	----	----	300	UNCH
AUG19	----	----	----	----	-5.827	- 0.420	----	----	225	UNCH
SEP19	----	----	----	----	-4.881	- 0.345	----	----	275	UNCH
OCT19	----	----	----	----	-1.189	- 0.344	----	----	200	UNCH
NOV19	----	----	----	----	-0.299	- 0.335	----	----	50	UNCH
DEC19	----	----	----	----	0.016	- 0.330	----	----	50	UNCH
TOTAL EWG FUT									3738	
A5 FUT	EIA FLAT TAX ONHWAY DIESEL									
MAY19	----	----	----	----	3.1634	- 0.0061	----	----	165	UNCH
JUN19	----	----	----	----	3.0636	- 0.0870	----	----	136	UNCH
JUL19	----	----	----	----	3.1013	- 0.0881	----	----	155	UNCH
AUG19	----	----	----	----	3.1089	- 0.0876	----	----	126	UNCH
SEP19	----	----	----	----	3.1157	- 0.0868	----	----	140	UNCH
OCT19	----	----	----	----	3.1460	- 0.0611	----	15	135	+ 7
NOV19	----	----	----	----	3.1354	- 0.0609	----	15	129	+ 7
DEC19	----	----	----	----	3.1239	- 0.0629	----	15	132	+ 7
JAN20	----	----	----	----	3.1238	- 0.0820	----	10	52	+ 10
FEB20	----	----	----	----	3.1259	- 0.0807	----	10	52	+ 10
MAR20	----	----	----	----	3.1205	- 0.0816	----	10	52	+ 10
APR20	----	----	----	----	3.1033	- 0.0800	----	10	52	+ 10
MAY20	----	----	----	----	3.0973	- 0.0787	----	10	51	+ 10
JUN20	----	----	----	----	3.0950	- 0.0775	----	10	51	+ 10
JUL20	----	----	----	----	3.0964	- 0.0762	----	----	41	UNCH
AUG20	----	----	----	----	3.0961	- 0.0752	----	----	29	UNCH
SEP20	----	----	----	----	3.0947	- 0.0747	----	----	34	UNCH
OCT20	----	----	----	----	3.0936	- 0.0744	----	----	41	UNCH
NOV20	----	----	----	----	3.0815	- 0.0739	----	----	17	UNCH
DEC20	----	----	----	----	3.0543	- 0.0726	----	----	17	UNCH
TOTAL A5 FUT								105	1607	+ 81
JE FUT	EIA FLAT TAX US RETAIL GASOLINE									
MAY19	----	----	----	----	2.8712	- 0.0053	----	----	7	UNCH
JUN19	----	----	----	----	2.7810	- 0.0765	----	----	7	UNCH
TOTAL JE FUT									14	
R53 FUT	EUR 0.5% VS. EUR 3.5%									
JAN20	----	----	----	----	197.435	- 0.575	----	----	2	UNCH
FEB20	----	----	----	----	199.034	- 0.857	----	----	2	UNCH
MAR20	----	----	----	----	199.251	- 0.574	----	----	2	UNCH
APR20	----	----	----	----	198.609	- 0.789	----	----	2	UNCH
MAY20	----	----	----	----	198.138	- 0.953	----	----	2	UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
R53 FUT	EUR 0.5% VS. EUR 3.5%						
JUN20	----	----	197.980 - 0.865	----	----	2	UNCH
JUL20	----	----	197.858 - 0.800	----	----	2	UNCH
AUG20	----	----	197.527 - 0.532	----	----	2	UNCH
SEP20	----	----	197.038 - 0.195	----	----	2	UNCH
OCT20	----	----	195.222 + 0.318	----	----	2	UNCH
NOV20	----	----	192.230 + 0.448	----	----	2	UNCH
DEC20	----	----	190.292 + 1.669	----	----	2	UNCH
TOTAL R53 FUT						24	
EFM FUT	EUR 1%FUEL OIL CARGO FOB MED PLATTS						
JUL19	----	----	406.924 - 15.131	----	----	3	UNCH
TOTAL EFM FUT						3	
ENS FUT	EUR1%FUEL OIL FOB MED-EUR1% FOB NWE						
MAY19	----	----	9.095 + 0.417	----	----	45	UNCH
JUN19	----	----	9.000 + 0.500	----	----	25	UNCH
JUL19	----	----	7.750 + 0.250	----	----	15	UNCH
TOTAL ENS FUT						85	
KX FUT	EURO 1% FUEL OIL NEW BALMO						
10MAY19	----	----	406.667 - 6.610	----	----	3	UNCH
TOTAL KX FUT						3	
KR FUT	EURO 3.5% FUEL OIL RDAM BALMO						
09MAY19	----	----	385.781 - 6.838	----	----	15	UNCH
10MAY19	----	----	385.383 - 7.294	----	----	3	UNCH
17MAY19	----	----	380.350 - 10.940	----	----	22	UNCH
TOTAL KR FUT						40	
FK FUT	EURO 3.5% FUEL OIL SPREAD						
MAY19	----	----	-1.28 - 0.09	----	----	30	UNCH
JUN19	----	----	-1.06 + 0.24	----	----	35	UNCH
JUL19	----	----	-1.45 + 0.10	----	----	5	UNCH
AUG19	----	----	-2.06 - 0.11	----	----	5	UNCH
SEP19	----	----	-2.17 - 0.04	----	----	5	UNCH
TOTAL FK FUT						80	
EPN FUT	EURO PPNE CIFARG VS NAPHTHA NWE SW						
MAY19	----	----	-139.524 + 2.845	----	----	221	UNCH
JUN19	----	----	-140.000 + 12.500	----	----	197	UNCH
JUL19	----	----	-135.500 + 11.500	----	----	123	UNCH
AUG19	----	----	-128.000 + 10.750	----	----	115	UNCH
SEP19	----	----	-119.500 + 11.250	----	----	120	UNCH
OCT19	----	----	-112.250 + 11.500	----	----	136	UNCH
NOV19	----	----	-105.000 + 11.500	----	----	134	UNCH
DEC19	----	----	-97.750 + 11.250	----	----	139	UNCH
JAN20	----	----	-92.750 + 11.250	----	----	74	UNCH
FEB20	----	----	-94.750 + 11.000	----	----	56	UNCH
MAR20	----	----	-105.750 + 10.500	----	----	33	UNCH
APR20	----	----	-115.250 + 10.250	----	----	4	UNCH
MAY20	----	----	-118.500 + 10.000	----	----	4	UNCH
JUN20	----	----	-118.000 + 9.750	----	----	4	UNCH
JUL20	----	----	-113.750 + 9.500	----	----	4	UNCH
AUG20	----	----	-109.000 + 8.750	----	----	4	UNCH
SEP20	----	----	-104.000 + 8.500	----	----	4	UNCH
OCT20	----	----	-99.250 + 8.000	----	----	4	UNCH
NOV20	----	----	-93.750 + 8.000	----	----	4	UNCH
DEC20	----	----	-88.000 + 8.000	----	----	4	UNCH
TOTAL EPN FUT						1384	
43 FUT	EUROP NAPHTHA PLATTS CRCK SPR BALMO						
03MAY19	----	----	-8.964 - 0.030	----	----	50	UNCH
TOTAL 43 FUT						50	
UF FUT	EUROPE 1% FUEL OIL NWE CAL						
MAY19	----	----	408.36 - 4.72	----	----	17	UNCH
JUN19	----	----	402.28 - 13.46	----	----	90	UNCH
JUL19	----	----	399.17 - 15.38	----	----	2	UNCH
AUG19	----	----	398.09 - 16.90	----	----	2	UNCH
SEP19	----	----	400.58 - 18.32	----	----	50	UNCH
OCT19	----	----	405.90 - 20.94	----	----	75	UNCH
NOV19	----	----	411.33 - 21.71	----	----	75	UNCH
DEC19	----	----	413.70 - 24.92	----	----	90	UNCH
TOTAL UF FUT						401	
UH FUT	EUROPE 1% FUEL OIL RDAM CAL						
OCT19	----	----	399.98 - 20.94	----	----	1	UNCH
NOV19	----	----	404.96 - 21.71	----	----	1	UNCH
DEC19	----	----	407.08 - 24.92	----	----	1	UNCH
TOTAL UH FUT						3	
UI FUT	EUROPE 3.5% FUEL OIL MED CAL						
MAY19	----	----	387.22 - 5.30	----	----	46	UNCH

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UI FUT	EUROPE 3.5% FUEL OIL MED CAL						
JUN19	----	----	365.37 - 18.12	----	----	34	UNCH
JUL19	----	----	359.47 - 19.28	----	----	14 +	5
AUG19	----	----	350.38 - 20.35	----	----	4	UNCH
SEP19	----	----	339.76 - 21.01	----	----	4	UNCH
OCT19	----	----	326.97 - 21.79	----	----	4	UNCH
NOV19	----	----	316.35 - 22.34	----	----	4	UNCH
DEC19	----	----	306.18 - 23.17	----	----	4	UNCH
TOTAL UI FUT						114 +	5
UV FUT	EUROPE 3.5% FUEL OIL RDAM CAL						
MAY19	----	----	388.50 - 5.21	----	----	596	UNCH
JUN19	----	----	366.43 - 18.36	----	----	733	UNCH
JUL19	----	----	360.92 - 19.38	----	----	469	UNCH
AUG19	----	----	352.44 - 20.24	----	----	478	UNCH
SEP19	----	----	341.93 - 20.97	----	----	424	UNCH
OCT19	----	----	330.10 - 21.79	----	----	381	UNCH
NOV19	----	----	319.77 - 22.34	----	----	346	UNCH
DEC19	----	----	310.51 - 23.17	----	----	647	UNCH
JAN20	----	----	302.95 - 23.08	----	----	527	UNCH
FEB20	----	----	298.95 - 23.08	----	----	156	UNCH
MAR20	----	----	296.70 - 22.95	----	----	361	UNCH
APR20	----	----	294.70 - 22.83	----	----	373	UNCH
MAY20	----	----	293.20 - 22.83	----	----	278	UNCH
JUN20	----	----	292.08 - 22.83	----	----	277	UNCH
JUL20	----	----	291.33 - 22.83	----	----	55	UNCH
AUG20	----	----	291.08 - 22.83	----	----	55	UNCH
SEP20	----	----	291.20 - 22.83	----	----	55	UNCH
OCT20	----	----	291.95 - 22.83	----	----	27	UNCH
NOV20	----	----	293.45 - 22.83	----	----	27	UNCH
DEC20	----	----	295.70 - 22.83	----	----	95	UNCH
DEC21	----	----	293.70 - 21.95	----	----	10	UNCH
TOTAL UV FUT						6370	
UJ FUT	EUROPE JET KERO NWE CAL						
MAY19	----	----	664.54 - 7.26	----	----	2	UNCH
JUN19	----	----	640.59 - 26.34	----	----	3	UNCH
JUL19	----	----	642.08 - 26.25	----	----	4	UNCH
AUG19	----	----	644.27 - 26.21	----	----	4	UNCH
SEP19	----	----	645.77 - 26.47	----	----	3	UNCH
OCT19	----	----	647.66 - 25.70	----	----	3	UNCH
NOV19	----	----	645.13 - 25.62	----	----	3	UNCH
DEC19	----	----	642.89 - 25.78	----	----	3	UNCH
TOTAL UJ FUT						25	
UN FUT	EUROPE NAPHTHA CAL						
MAY19	----	----	544.90 - 9.01	----	----	493	UNCH
JUN19	----	----	508.93 - 31.72	----	40	675 +	25
JUL19	----	----	505.83 - 31.59	----	30	437 +	15
AUG19	----	----	503.05 - 30.92	----	----	271	UNCH
SEP19	----	----	499.74 - 31.04	----	----	234	UNCH
OCT19	----	----	497.84 - 30.88	----	1	119 -	1
NOV19	----	----	495.66 - 30.76	----	1	123 -	1
DEC19	----	----	493.36 - 30.75	----	1	150 -	1
JAN20	----	----	491.30 - 30.64	----	----	67	UNCH
FEB20	----	----	489.22 - 30.42	----	----	32	UNCH
MAR20	----	----	487.10 - 30.18	----	----	32	UNCH
APR20	----	----	484.64 - 30.26	----	----	26	UNCH
MAY20	----	----	482.86 - 29.81	----	----	26	UNCH
JUN20	----	----	481.32 - 29.71	----	----	26	UNCH
JUL20	----	----	479.83 - 29.70	----	----	16	UNCH
AUG20	----	----	478.85 - 29.06	----	----	16	UNCH
SEP20	----	----	477.98 - 28.78	----	----	16	UNCH
OCT20	----	----	477.00 - 28.41	----	----	16	UNCH
NOV20	----	----	475.90 - 27.79	----	----	16	UNCH
DEC20	----	----	474.31 - 27.39	----	----	16	UNCH
TOTAL UN FUT					73	2807 +	37
KZ FUT	EUROPEAN NAPHTHA BALMO						
03MAY19	----	----	543.060 - 9.960	----	----	10	UNCH
07MAY19	----	----	541.619 - 10.513	----	----	5	UNCH
13MAY19	----	----	538.082 - 13.517	----	----	25	UNCH
14MAY19	----	----	537.011 - 14.557	----	----	70	UNCH
TOTAL KZ FUT						110	
EN FUT	EUROPEAN NAPHTHA CRACK SPREAD						
MAY19	----	----	-8.89 - 0.02	----	----	1650	UNCH
JUN19	----	----	-9.27 - 0.07	----	129	1318 -	23
JUL19	----	----	-8.70 + 0.02	----	----	1007	UNCH

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EN FUT	EUROPEAN NAPHTHA CRACK SPREAD							
AUG19	----	----	-8.35 + 0.11		----	----	948	UNCH
SEP19	----	----	-8.25 + 0.09		----	----	823	UNCH
OCT19	----	----	-8.12 + 0.09		----	----	341	UNCH
NOV19	----	----	-8.04 + 0.06		----	----	341	UNCH
DEC19	----	----	-7.99 + 0.04		----	----	488	UNCH
JAN20	----	----	-7.98 + 0.00		----	----	229	UNCH
FEB20	----	----	-7.98 - 0.04		----	----	229	UNCH
MAR20	----	----	-7.99 - 0.08		----	----	229	UNCH
APR20	----	----	-8.03 - 0.15		----	----	200	UNCH
MAY20	----	----	-7.99 - 0.16		----	----	200	UNCH
JUN20	----	----	-7.95 - 0.22		----	----	200	UNCH
JUL20	----	----	-7.89 - 0.29		----	----	200	UNCH
AUG20	----	----	-7.77 - 0.29		----	----	200	UNCH
SEP20	----	----	-7.64 - 0.33		----	----	200	UNCH
OCT20	----	----	-7.51 - 0.34		----	----	200	UNCH
NOV20	----	----	-7.44 - 0.33		----	----	200	UNCH
DEC20	----	----	-7.42 - 0.34		----	----	200	UNCH
JAN21	----	----	-7.41 - 0.26		----	----	116	UNCH
FEB21	----	----	-7.44 - 0.18		----	----	116	UNCH
MAR21	----	----	-7.50 - 0.08		----	----	116	UNCH
APR21	----	----	-7.66 - 0.05		----	----	116	UNCH
MAY21	----	----	-7.78 + 0.01		----	----	116	UNCH
JUN21	----	----	-7.83 + 0.05		----	----	116	UNCH
JUL21	----	----	-7.90 + 0.01		----	----	116	UNCH
AUG21	----	----	-7.94 + 0.01		----	----	116	UNCH
SEP21	----	----	-7.98 + 0.02		----	----	116	UNCH
OCT21	----	----	-8.00 + 0.03		----	----	116	UNCH
NOV21	----	----	-8.14 + 0.05		----	----	116	UNCH
DEC21	----	----	-8.28 + 0.06		----	----	116	UNCH
TOTAL EN FUT						129	10795	- 23
FBT FUT	FAME BIO ARGUS RDM RED VS ICE GAS							
MAY19	----	----	173.541 + 0.490		----	----	20	UNCH
JUN19	----	----	170.000 + 15.000		----	----	20	UNCH
TOTAL FBT FUT							40	
FS FUT	FUEL OIL CARGOES VS.BARGES							
MAY19	----	----	19.86 + 0.49		----	----	126	UNCH
JUN19	----	----	35.85 + 4.90		----	----	168	UNCH
JUL19	----	----	38.25 + 4.00		----	----	126	UNCH
AUG19	----	----	45.65 + 3.34		----	----	93	UNCH
SEP19	----	----	58.65 + 2.65		----	----	76	UNCH
OCT19	----	----	75.80 + 0.85		----	----	49	UNCH
NOV19	----	----	91.56 + 0.62		----	----	49	UNCH
DEC19	----	----	103.19 - 1.75		----	----	57	UNCH
JAN20	----	----	106.42 + 0.42		----	----	12	UNCH
FEB20	----	----	104.33 + 0.83		----	----	12	UNCH
MAR20	----	----	102.58 + 0.83		----	----	12	UNCH
APR20	----	----	100.38 + 0.38		----	----	12	UNCH
MAY20	----	----	99.88 + 0.63		----	----	12	UNCH
JUN20	----	----	100.00 + 0.75		----	----	12	UNCH
JUL20	----	----	98.00 + 0.75		----	----	12	UNCH
AUG20	----	----	98.00 + 0.75		----	----	12	UNCH
SEP20	----	----	98.00 + 0.75		----	----	12	UNCH
OCT20	----	----	94.00 + 0.75		----	----	14	UNCH
NOV20	----	----	94.00 + 0.75		----	----	14	UNCH
DEC20	----	----	94.00 + 0.75		----	----	14	UNCH
JAN21	----	----	73.25 UNCH		----	----	8	UNCH
FEB21	----	----	73.25 UNCH		----	----	8	UNCH
MAR21	----	----	73.25 UNCH		----	----	8	UNCH
APR21	----	----	63.75 UNCH		----	----	8	UNCH
MAY21	----	----	63.75 UNCH		----	----	8	UNCH
JUN21	----	----	63.75 UNCH		----	----	8	UNCH
JUL21	----	----	63.69 - 0.06		----	----	8	UNCH
AUG21	----	----	63.75 UNCH		----	----	8	UNCH
SEP21	----	----	63.67 UNCH		----	----	8	UNCH
OCT21	----	----	63.71 UNCH		----	----	8	UNCH
NOV21	----	----	63.75 UNCH		----	----	8	UNCH
DEC21	----	----	61.50 + 0.15		----	----	8	UNCH
TOTAL FS FUT							990	
FO FUT	FUEL OIL CRACK VS ICE							
MAY19	----	----	-8.93 + 0.17		----	----	790	UNCH
JUN19	----	----	-8.75 + 0.60		----	54	888	+ 25
JUL19	----	----	-8.69 + 0.52		----	----	514	UNCH
AUG19	----	----	-9.37 + 0.39		----	----	533	UNCH
SEP19	----	----	-10.56 + 0.28		----	----	564	UNCH

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FO FUT	FUEL OIL CRACK VS ICE					
OCT19	----	----	-12.07 + 0.13	----	----	441 UNCH
NOV19	----	----	-13.38 + 0.00	----	----	441 UNCH
DEC19	----	----	-14.53 - 0.15	----	----	448 UNCH
JAN20	----	----	-15.47 - 0.19	----	20	257 + 2
FEB20	----	----	-15.87 - 0.26	----	20	257 + 2
MAR20	----	----	-16.00 - 0.31	----	20	257 + 2
APR20	----	----	-16.07 - 0.35	----	20	257 + 2
MAY20	----	----	-16.07 - 0.41	----	20	257 + 2
JUN20	----	----	-16.03 - 0.48	----	20	257 + 2
JUL20	----	----	-15.92 - 0.55	----	20	257 + 2
AUG20	----	----	-15.73 - 0.62	----	20	257 + 2
SEP20	----	----	-15.49 - 0.69	----	20	257 + 2
OCT20	----	----	-15.13 - 0.74	----	20	257 + 2
NOV20	----	----	-14.70 - 0.80	----	20	257 + 2
DEC20	----	----	-14.15 - 0.86	----	20	257 + 2
JAN21	----	----	-13.83 - 0.89	----	----	70 UNCH
FEB21	----	----	-13.54 - 0.94	----	----	70 UNCH
MAR21	----	----	-13.29 - 0.99	----	----	70 UNCH
APR21	----	----	-13.09 - 1.04	----	----	70 UNCH
MAY21	----	----	-12.97 - 1.10	----	----	70 UNCH
JUN21	----	----	-12.89 - 1.14	----	----	70 UNCH
JUL21	----	----	-12.84 - 1.18	----	----	70 UNCH
AUG21	----	----	-12.81 - 1.24	----	----	70 UNCH
SEP21	----	----	-12.79 - 1.31	----	----	70 UNCH
OCT21	----	----	-12.79 - 1.38	----	----	70 UNCH
NOV21	----	----	-12.83 - 1.43	----	----	70 UNCH
DEC21	----	----	-12.86 - 1.48	----	----	70 UNCH
TOTAL FO FUT					294	8543 + 49
FI FUT	FUEL OIL NWE CRACK VS ICE					
MAY19	----	----	-5.80 + 0.25	----	----	5 UNCH
JUN19	----	----	-3.10 + 1.38	----	----	5 UNCH
JAN20	----	----	1.29 - 0.12	----	----	13 UNCH
FEB20	----	----	0.56 - 0.13	----	----	13 UNCH
MAR20	----	----	0.16 - 0.18	----	----	13 UNCH
APR20	----	----	-0.26 - 0.29	----	----	13 UNCH
MAY20	----	----	-0.34 - 0.31	----	----	13 UNCH
JUN20	----	----	-0.29 - 0.36	----	----	13 UNCH
JUL20	----	----	-0.49 - 0.43	----	----	13 UNCH
AUG20	----	----	-0.30 - 0.50	----	----	13 UNCH
SEP20	----	----	-0.06 - 0.57	----	----	13 UNCH
OCT20	----	----	-0.32 - 0.62	----	----	13 UNCH
NOV20	----	----	0.11 - 0.68	----	----	13 UNCH
DEC20	----	----	0.66 - 0.74	----	----	13 UNCH
TOTAL FI FUT						166
GCI FUT	G. COAST #6 FUEL OIL 3.0% VS BRENT					
MAY19	----	----	-8.716 + 0.102	----	----	721 UNCH
JUN19	----	----	-9.403 + 0.394	----	----	282 UNCH
JUL19	----	----	-9.006 + 0.445	----	----	200 UNCH
AUG19	----	----	-9.369 + 0.430	----	----	200 UNCH
SEP19	----	----	-10.478 + 0.279	----	----	200 UNCH
OCT19	----	----	-11.731 + 0.108	----	----	199 UNCH
NOV19	----	----	-12.936 - 0.006	----	----	199 UNCH
DEC19	----	----	-13.925 - 0.055	----	----	199 UNCH
JAN20	----	----	-14.755 - 0.154	----	----	10 UNCH
FEB20	----	----	-15.224 - 0.224	----	----	10 UNCH
MAR20	----	----	-15.369 - 0.293	----	----	10 UNCH
APR20	----	----	-15.454 - 0.328	----	----	10 UNCH
MAY20	----	----	-15.490 - 0.388	----	----	10 UNCH
JUN20	----	----	-15.505 - 0.459	----	----	10 UNCH
JUL20	----	----	-15.400 - 0.528	----	----	10 UNCH
AUG20	----	----	-15.243 - 0.627	----	----	10 UNCH
SEP20	----	----	-15.024 - 0.693	----	----	10 UNCH
OCT20	----	----	-14.676 - 0.742	----	----	10 UNCH
NOV20	----	----	-14.261 - 0.803	----	----	10 UNCH
DEC20	----	----	-13.690 - 0.867	----	----	10 UNCH
TOTAL GCI FUT						2320
7R FUT	GAS EUROBOB (ARGUS) BALMO					
02MAY19	----	----	702.411 - 8.911	----	----	10 UNCH
03MAY19	----	----	702.090 - 9.381	----	----	36 UNCH
07MAY19	----	----	702.498 - 9.902	----	----	9 UNCH
13MAY19	----	----	707.122 - 12.731	----	----	10 UNCH
14MAY19	----	----	707.497 - 13.710	----	----	15 UNCH
15MAY19	----	----	708.726 - 14.853	----	----	10 UNCH
21MAY19	----	----	701.401 - 22.279	----	----	5 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		
7R FUT	GAS EUROBOB (ARGUS) BALMO								
TOTAL 7R FUT							95		
7I FUT	GAS EUROBOB (ARGUS) CRK BALMO								
08MAY19	----	----	14.560 + 0.013		----	----	125	UNCH	
TOTAL 7I FUT							125		
7K FUT	GAS EURO-BOB OXY (ARG) CRACK								
MAY19	----	----	14.311 - 0.025		----	----	2785	UNCH	
JUN19	----	----	15.198 + 0.382		----	83	2900 +	83	
JUL19	----	----	11.345 + 0.172		----	40	2076 +	40	
AUG19	----	----	10.013 + 0.201		----	40	1922 +	40	
SEP19	----	----	8.817 + 0.192		----	40	1860 +	40	
OCT19	----	----	4.943 + 0.160		----	----	1697	UNCH	
NOV19	----	----	3.928 + 0.109		----	----	1657	UNCH	
DEC19	----	----	3.569 + 0.115		----	----	1901	UNCH	
JAN20	----	----	3.874 + 0.076		----	----	849	UNCH	
FEB20	----	----	4.376 + 0.073		----	----	849	UNCH	
MAR20	----	----	4.958 + 0.040		----	----	849	UNCH	
APR20	----	----	9.343 + 0.029		----	----	852	UNCH	
MAY20	----	----	9.580 + 0.011		----	----	852	UNCH	
JUN20	----	----	9.718 - 0.047		----	----	852	UNCH	
JUL20	----	----	9.386 - 0.109		----	----	858	UNCH	
AUG20	----	----	8.904 - 0.166		----	----	858	UNCH	
SEP20	----	----	8.287 - 0.222		----	----	858	UNCH	
OCT20	----	----	4.819 - 0.203		----	----	711	UNCH	
NOV20	----	----	4.131 - 0.306		----	----	711	UNCH	
DEC20	----	----	3.706 - 0.366		----	----	711	UNCH	
TOTAL 7K FUT						203	26608 +	203	
7H FUT	GAS EURO-BOB OXY (ARG) NEW BRG								
MAY19	----	----	703.236 - 8.487		----	----	685	UNCH	
JUN19	----	----	680.152 - 25.920		----	16	970 +	3	
JUL19	----	----	640.380 - 28.300		----	11	690 +	5	
AUG19	----	----	623.768 - 28.144		----	----	472	UNCH	
SEP19	----	----	609.923 - 28.217		----	----	683	UNCH	
OCT19	----	----	574.763 - 28.305		----	----	583	UNCH	
NOV19	----	----	563.643 - 28.407		----	----	451	UNCH	
DEC19	----	----	558.060 - 28.158		----	----	434	UNCH	
JAN20	----	----	558.559 - 28.075		----	----	85	UNCH	
FEB20	----	----	560.819 - 27.512		----	----	28	UNCH	
MAR20	----	----	563.752 - 27.215		----	----	33	UNCH	
APR20	----	----	598.277 - 26.810		----	----	37	UNCH	
MAY20	----	----	598.258 - 26.462		----	----	15	UNCH	
JUN20	----	----	597.657 - 26.352		----	----	21	UNCH	
JUL20	----	----	592.981 - 26.286		----	----	3	UNCH	
AUG20	----	----	587.035 - 26.141		----	----	18	UNCH	
SEP20	----	----	580.066 - 26.068		----	----	15	UNCH	
OCT20	----	----	549.112 - 25.499		----	----	18	UNCH	
NOV20	----	----	541.803 - 25.845		----	----	3	UNCH	
DEC20	----	----	536.629 - 25.811		----	----	62	UNCH	
TOTAL 7H FUT						27	5306 +	8	
GOC FUT	GASOIL (ICE) CRACK SPREAD								
MAY19	----	----	14.728 - 0.028		----	----	1	UNCH	
JUN19	----	----	15.047 + 0.138		----	----	1	UNCH	
JUL19	----	----	15.989 + 0.214		----	----	1	UNCH	
AUG19	----	----	16.812 + 0.247		----	----	1	UNCH	
SEP19	----	----	17.487 + 0.236		----	----	1	UNCH	
OCT19	----	----	17.761 + 0.226		----	----	1	UNCH	
NOV19	----	----	17.741 + 0.197		----	----	1	UNCH	
DEC19	----	----	17.751 + 0.152		----	----	1	UNCH	
JAN20	----	----	17.723 + 0.115		----	----	1	UNCH	
FEB20	----	----	17.759 + 0.097		----	----	1	UNCH	
MAR20	----	----	17.769 + 0.095		----	----	1	UNCH	
APR20	----	----	17.719 + 0.110		----	----	1	UNCH	
MAY20	----	----	17.670 + 0.110		----	----	1	UNCH	
JUN20	----	----	17.705 + 0.105		----	----	1	UNCH	
JUL20	----	----	17.828 + 0.084		----	----	1	UNCH	
AUG20	----	----	17.962 + 0.064		----	----	1	UNCH	
SEP20	----	----	18.102 + 0.067		----	----	1	UNCH	
OCT20	----	----	18.077 + 0.062		----	----	1	UNCH	
NOV20	----	----	17.879 + 0.032		----	----	1	UNCH	
DEC20	----	----	17.818 + 0.027		----	----	1	UNCH	
TOTAL GOC FUT							20		
TU FUT	GASOIL 0.1 CIF NWE VS ISE								
MAY19	----	----	-9.110 + 0.839		----	----	5	UNCH	
JUN19	----	----	-8.541 NEW		----	5	5 +	5	

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TOTAL	TU FUT					5	10	+	5
	WQ FUT	GASOIL 0.1 RDAM BRGS VS ICE							
	MAY19	----	----	-15.700 + 0.915	----	----	5		UNCH
	JUN19	----	----	-14.500 + 2.125	----	----	5		UNCH
TOTAL	WQ FUT						10		
	VL FUT	GASOIL 0.1 ROTTERDAM BARGES SW							
	MAY19	----	----	616.354 - 6.694	----	----	6		UNCH
	JUN19	----	----	592.675 - 22.875	----	----	7		UNCH
	JUL19	----	----	592.826 - 24.250	----	----	37		UNCH
	AUG19	----	----	595.523 - 23.829	----	----	7		UNCH
	SEP19	----	----	597.208 - 24.197	----	----	7		UNCH
TOTAL	VL FUT						64		
	TP FUT	GASOIL 10PPM VS ICE							
	MAY19	----	----	6.279 + 0.311	----	----	2		UNCH
	JUN19	----	----	4.250 UNCH	----	----	1		UNCH
	JUL19	----	----	4.250 + 0.292	----	----	7		UNCH
	AUG19	----	----	4.062 + 0.062	----	----	6		UNCH
	SEP19	----	----	4.125 + 0.125	----	----	7		UNCH
	OCT19	----	----	4.958 + 0.042	----	----	1		UNCH
	NOV19	----	----	4.958 + 0.041	----	----	2		UNCH
	DEC19	----	----	4.958 + 0.042	----	----	1		UNCH
TOTAL	TP FUT						27		
	GX FUT	GASOIL CALENDAR							
	MAY19	----	----	632.05 - 7.61	----	----	8		UNCH
	JUN19	----	----	607.18 - 25.00	----	----	8		UNCH
	OCT19	----	----	609.53 - 24.83	----	----	6		UNCH
	NOV19	----	----	607.00 - 24.75	----	----	6		UNCH
	DEC19	----	----	604.76 - 24.91	----	----	6		UNCH
	JAN20	----	----	602.73 - 24.82	----	----	2		UNCH
	FEB20	----	----	601.28 - 24.43	----	----	2		UNCH
	MAR20	----	----	599.64 - 23.93	----	----	2		UNCH
TOTAL	GX FUT						40		
	GZ FUT	GASOIL CRACK SPREAD CALENDAR							
	MAY19	----	----	14.73 - 0.03	----	----	717		UNCH
	JUN19	----	----	15.05 + 0.14	----	----	717		UNCH
	JUL19	----	----	15.99 + 0.21	----	----	497		UNCH
	AUG19	----	----	16.81 + 0.25	----	----	497		UNCH
	SEP19	----	----	17.49 + 0.24	----	----	497		UNCH
	OCT19	----	----	17.76 + 0.23	----	----	497		UNCH
	NOV19	----	----	17.74 + 0.20	----	----	497		UNCH
	DEC19	----	----	17.75 + 0.15	----	----	497		UNCH
	JAN20	----	----	17.72 + 0.12	----	----	571		UNCH
	FEB20	----	----	17.76 + 0.10	----	----	571		UNCH
	MAR20	----	----	17.77 + 0.10	----	----	571		UNCH
	APR20	----	----	17.72 + 0.11	----	----	671		UNCH
	MAY20	----	----	17.67 + 0.11	----	----	671		UNCH
	JUN20	----	----	17.71 + 0.11	----	----	671		UNCH
	JUL20	----	----	17.83 + 0.08	----	----	556		UNCH
	AUG20	----	----	17.96 + 0.06	----	----	556		UNCH
	SEP20	----	----	18.10 + 0.07	----	----	556		UNCH
	OCT20	----	----	18.08 + 0.06	----	----	621		UNCH
	NOV20	----	----	17.88 + 0.03	----	----	621		UNCH
	DEC20	----	----	17.82 + 0.03	----	----	621		UNCH
TOTAL	GZ FUT						11673		
	QA FUT	GASOIL MINI CALENDAR							
	MAY19	----	----	632.054 - 7.609	----	----	72		UNCH
	JUN19	----	----	607.175 - 25.000	----	----	52		UNCH
	JUL19	----	----	607.326 - 25.000	----	----	52		UNCH
	AUG19	----	----	608.523 - 24.829	----	----	64		UNCH
	SEP19	----	----	610.083 - 24.905	----	----	56		UNCH
	OCT19	----	----	609.533 - 24.826	----	----	9		UNCH
	NOV19	----	----	607.000 - 24.750	----	----	50		UNCH
	DEC19	----	----	604.762 - 24.905	----	----	67		UNCH
	JAN20	----	----	602.727 - 24.818	----	----	51		UNCH
	FEB20	----	----	601.275 - 24.425	----	----	16		UNCH
	MAR20	----	----	599.636 - 23.932	----	----	21		UNCH
	APR20	----	----	597.476 - 23.369	----	----	13		UNCH
	MAY20	----	----	595.333 - 22.917	----	----	13		UNCH
	JUN20	----	----	594.023 - 22.432	----	----	31		UNCH
	JUL20	----	----	593.228 - 22.076	----	----	14		UNCH
	AUG20	----	----	592.500 - 21.667	----	----	19		UNCH
	SEP20	----	----	591.909 - 21.159	----	----	29		UNCH
	OCT20	----	----	589.875 - 20.830	----	----	13		UNCH
	NOV20	----	----	586.988 - 20.595	----	----	13		UNCH

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QA FUT	GASOIL MINI CALENDAR						
DEC20	----	----	585.068 - 20.159	----	----	17	UNCH
JAN21	----	----	584.050 - 19.825	----	----	5	UNCH
FEB21	----	----	582.700 - 19.600	----	----	16	UNCH
TOTAL QA FUT						693	
A7 FUT	GROUP THREE ULSD (PLATTS)						
MAY19	----	----	2.0104 - 0.0217	----	----	6	UNCH
JUN19	----	----	1.9381 - 0.0850	----	----	6	UNCH
JUL19	----	----	1.9513 - 0.0856	----	----	7	UNCH
AUG19	----	----	1.9679 - 0.0851	----	----	7	UNCH
SEP19	----	----	1.9767 - 0.0843	----	----	7	UNCH
OCT19	----	----	1.9785 - 0.0886	----	----	6	UNCH
TOTAL A7 FUT						39	
A6 FUT	GRP THREE ULSD(PLT)VS HEAT OIL						
MAY19	----	----	-0.0295 + 0.0019	----	----	1080	UNCH
JUN19	----	----	-0.0250 + 0.0025	----	----	1693	UNCH
JUL19	----	----	-0.0150 + 0.0025	----	----	799	UNCH
AUG19	----	----	-0.0050 + 0.0025	----	----	624	UNCH
SEP19	----	----	-0.0025 + 0.0025	----	----	1512	UNCH
OCT19	----	----	-0.0050 - 0.0025	----	60	2648 + 10	
NOV19	----	----	-0.0175 UNCH	----	60	539 + 40	
DEC19	----	----	-0.0750 UNCH	----	60	782 + 10	
JAN20	----	----	-0.0700 UNCH	----	----	91	UNCH
FEB20	----	----	-0.0450 UNCH	----	----	91	UNCH
MAR20	----	----	-0.0350 UNCH	----	----	91	UNCH
APR20	----	----	0.0000 UNCH	----	----	16	UNCH
MAY20	----	----	0.0000 UNCH	----	----	16	UNCH
JUN20	----	----	0.0000 UNCH	----	----	16	UNCH
JUL20	----	----	0.0025 UNCH	----	----	16	UNCH
AUG20	----	----	0.0025 UNCH	----	----	16	UNCH
SEP20	----	----	0.0025 UNCH	----	----	16	UNCH
OCT20	----	----	0.0050 UNCH	----	----	16	UNCH
NOV20	----	----	-0.0150 UNCH	----	----	16	UNCH
DEC20	----	----	-0.0700 UNCH	----	----	16	UNCH
TOTAL A6 FUT					180	10094 + 60	
A8 FUT	GRP THREE UNL GS (PLT) VS RBOB						
MAY19	----	----	-0.0535 + 0.0137	----	----	1494	UNCH
JUN19	----	----	-0.0675 + 0.0225	----	175	1413 - 75	
JUL19	----	----	-0.0750 + 0.0050	----	----	648	UNCH
AUG19	----	----	-0.0450 UNCH	----	----	363	UNCH
SEP19	----	----	0.0600 UNCH	----	----	74	UNCH
OCT19	----	----	0.0350 UNCH	----	----	88	UNCH
NOV19	----	----	-0.0350 UNCH	----	----	9	UNCH
DEC19	----	----	-0.0700 UNCH	----	----	225	UNCH
TOTAL A8 FUT					175	4314 - 75	
CRB FUT	GULF CBOB A2 PL VS RBOB SPR F						
MAY19	----	----	-0.1698 + 0.0046	----	----	3535	UNCH
JUN19	----	----	-0.1600 + 0.0050	----	450	3175 + 275	
JUL19	----	----	-0.1325 + 0.0025	----	----	150	UNCH
AUG19	----	----	-0.1050 + 0.0025	----	----	1350	UNCH
SEP19	----	----	-0.0350 + 0.0025	----	----	50	UNCH
TOTAL CRB FUT					450	8260 + 275	
GCU FUT	GULF CO NO6 FUELOIL 3% V. EURO 3.5%						
MAY19	----	----	0.214 - 0.071	----	----	1957	UNCH
JUN19	----	----	-0.656 - 0.210	----	----	1866	UNCH
JUL19	----	----	-0.313 - 0.072	----	----	1538	UNCH
AUG19	----	----	-0.003 + 0.037	----	----	1354	UNCH
SEP19	----	----	0.078 + 0.003	----	13	1354	UNCH
OCT19	----	----	0.341 - 0.019	----	----	854	UNCH
NOV19	----	----	0.443 - 0.007	----	----	854	UNCH
DEC19	----	----	0.600 + 0.099	----	----	842	UNCH
JAN20	----	----	0.716 + 0.034	----	----	264	UNCH
FEB20	----	----	0.646 + 0.034	----	----	264	UNCH
MAR20	----	----	0.626 + 0.015	----	----	264	UNCH
APR20	----	----	0.616 + 0.020	----	----	264	UNCH
MAY20	----	----	0.577 + 0.020	----	----	264	UNCH
JUN20	----	----	0.529 + 0.020	----	----	264	UNCH
JUL20	----	----	0.522 + 0.019	----	----	264	UNCH
AUG20	----	----	0.486 - 0.006	----	----	264	UNCH
SEP20	----	----	0.467 - 0.005	----	----	264	UNCH
OCT20	----	----	0.449 - 0.005	----	----	264	UNCH
NOV20	----	----	0.437 - 0.006	----	----	264	UNCH
DEC20	----	----	0.458 - 0.006	----	----	264	UNCH
TOTAL GCU FUT					13	13787	

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VZ FUT GULF COAST 3% FUEL OIL BALMO							
02MAY19	----	----	61.172 - 0.934	----	----	100	UNCH
03MAY19	----	----	60.988 - 0.981	----	----	15	UNCH
08MAY19	----	----	60.549 - 1.155	----	----	100	UNCH
10MAY19	----	----	60.171 - 1.308	----	----	10	UNCH
17MAY19	----	----	59.127 - 1.962	----	----	160	UNCH
TOTAL VZ FUT						385	
MF FUT GULF COAST HSFO (PLATTS) FUTURES							
MAY19	----	----	61.40 - 0.89	----	----	4050	UNCH
JUN19	----	----	57.05 - 3.10	----	302	5610 + 110	
JUL19	----	----	56.53 - 3.12	----	172	5663 + 3	
AUG19	----	----	55.50 - 3.15	----	----	1038	UNCH
SEP19	----	----	53.93 - 3.30	----	25	1354 + 25	
OCT19	----	----	52.33 - 3.45	----	----	782	UNCH
NOV19	----	----	50.80 - 3.53	----	----	805	UNCH
DEC19	----	----	49.50 - 3.55	----	25	806	UNCH
JAN20	----	----	48.43 - 3.60	----	----	549	UNCH
FEB20	----	----	47.73 - 3.60	----	----	209	UNCH
MAR20	----	----	47.35 - 3.60	----	----	334	UNCH
APR20	----	----	47.03 - 3.57	----	----	159	UNCH
MAY20	----	----	46.75 - 3.58	----	----	84	UNCH
JUN20	----	----	46.53 - 3.57	----	----	84	UNCH
JUL20	----	----	46.40 - 3.58	----	----	79	UNCH
AUG20	----	----	46.33 - 3.60	----	----	29	UNCH
SEP20	----	----	46.33 - 3.60	----	----	29	UNCH
OCT20	----	----	46.43 - 3.60	----	----	29	UNCH
NOV20	----	----	46.65 - 3.60	----	----	29	UNCH
DEC20	----	----	47.03 - 3.60	----	----	29	UNCH
JAN22	----	----	47.13 - 3.45	----	----	3	UNCH
FEB22	----	----	47.31 - 3.45	----	----	3	UNCH
MAR22	----	----	47.49 - 3.45	----	----	3	UNCH
APR22	----	----	47.67 - 3.45	----	----	3	UNCH
MAY22	----	----	47.85 - 3.45	----	----	3	UNCH
JUN22	----	----	48.03 - 3.45	----	----	3	UNCH
JUL22	----	----	48.21 - 3.45	----	----	3	UNCH
AUG22	----	----	48.39 - 3.45	----	----	3	UNCH
SEP22	----	----	48.57 - 3.45	----	----	3	UNCH
OCT22	----	----	48.75 - 3.45	----	----	3	UNCH
NOV22	----	----	48.93 - 3.45	----	----	3	UNCH
DEC22	----	----	49.11 - 3.45	----	----	3	UNCH
TOTAL MF FUT					524	21787 + 138	
GE FUT GULF COAST JET FUEL CLNDR							
MAY19	----	----	1.9792 - 0.0201	----	----	76	UNCH
JUN19	----	----	1.9031 - 0.0775	----	----	76	UNCH
JUL19	----	----	1.9013 - 0.0831	----	----	131	UNCH
AUG19	----	----	1.9104 - 0.0826	----	----	131	UNCH
SEP19	----	----	1.9192 - 0.0818	----	----	131	UNCH
OCT19	----	----	1.8985 - 0.0811	----	----	22	UNCH
NOV19	----	----	1.8854 - 0.0809	----	----	22	UNCH
DEC19	----	----	1.8789 - 0.0804	----	----	22	UNCH
TOTAL GE FUT						611	
ME FUT GULF COAST JET VS NYM 2 HO SPRD							
MAY19	----	----	-0.0607 + 0.0035	----	----	6157	UNCH
JUN19	----	----	-0.0600 + 0.0100	----	810	7861 - 350	
JUL19	----	----	-0.0650 + 0.0050	----	220	4404 + 143	
AUG19	----	----	-0.0625 + 0.0050	----	20	3000 - 10	
SEP19	----	----	-0.0600 + 0.0050	----	20	2898 - 10	
OCT19	----	----	-0.0850 + 0.0050	----	20	2159	UNCH
NOV19	----	----	-0.1000 + 0.0050	----	20	2159	UNCH
DEC19	----	----	-0.1075 + 0.0050	----	20	2159	UNCH
JAN20	----	----	-0.0950 UNCH	----	20	440 + 20	
FEB20	----	----	-0.0875 UNCH	----	20	440 + 20	
MAR20	----	----	-0.0850 UNCH	----	20	440 + 20	
APR20	----	----	-0.0825 UNCH	----	20	165 + 20	
MAY20	----	----	-0.0825 UNCH	----	20	165 + 20	
JUN20	----	----	-0.0825 UNCH	----	20	165 + 20	
JUL20	----	----	-0.0800 UNCH	----	----	125	UNCH
AUG20	----	----	-0.0800 UNCH	----	----	125	UNCH
SEP20	----	----	-0.0800 UNCH	----	----	125	UNCH
OCT20	----	----	-0.1000 UNCH	----	----	125	UNCH
NOV20	----	----	-0.1050 UNCH	----	----	125	UNCH
DEC20	----	----	-0.1100 UNCH	----	----	125	UNCH
TOTAL ME FUT					1250	33362 - 107	
MG FUT GULF COAST NO.6 FUEL OIL CRACK							

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MG FUT	GULF COAST NO.6 FUEL OIL CRACK					
MAY19	----	----	0.40 + 0.06	----	----	170 UNCH
JUN19	----	----	-0.88 + 0.41	----	----	171 UNCH
JUL19	----	----	-1.46 + 0.38	----	----	60 UNCH
AUG19	----	----	-2.46 + 0.33	----	----	60 UNCH
SEP19	----	----	-3.94 + 0.15	----	----	60 UNCH
JAN20	----	----	-8.55 - 0.33	----	----	35 UNCH
FEB20	----	----	-9.00 - 0.37	----	----	35 UNCH
MAR20	----	----	-9.12 - 0.43	----	----	35 UNCH
APR20	----	----	-9.18 - 0.45	----	----	35 UNCH
MAY20	----	----	-9.19 - 0.52	----	----	35 UNCH
JUN20	----	----	-9.16 - 0.57	----	----	35 UNCH
JUL20	----	----	-9.02 - 0.65	----	----	35 UNCH
AUG20	----	----	-8.86 - 0.71	----	----	35 UNCH
SEP20	----	----	-8.68 - 0.78	----	----	35 UNCH
OCT20	----	----	-8.39 - 0.85	----	----	35 UNCH
NOV20	----	----	-8.01 - 0.91	----	----	35 UNCH
DEC20	----	----	-7.38 - 0.97	----	----	35 UNCH
TOTAL MG FUT						941
LY FUT	GULF COAST ULSD CALENDAR					
MAY19	----	----	1.9897 - 0.0241	----	----	196 UNCH
JUN19	----	----	1.9136 - 0.0870	----	----	205 UNCH
JUL19	----	----	1.9163 - 0.0881	----	----	197 UNCH
AUG19	----	----	1.9239 - 0.0876	----	----	191 UNCH
SEP19	----	----	1.9307 - 0.0868	----	----	147 UNCH
OCT19	----	----	1.9260 - 0.0861	----	15	128 + 7
NOV19	----	----	1.9154 - 0.0859	----	15	111 + 7
DEC19	----	----	1.9039 - 0.0879	----	15	109 + 7
JAN20	----	----	1.9188 - 0.0820	----	10	52 + 9
FEB20	----	----	1.9209 - 0.0807	----	10	52 + 9
MAR20	----	----	1.9155 - 0.0816	----	10	52 + 10
APR20	----	----	1.8983 - 0.0800	----	10	52 + 10
MAY20	----	----	1.8923 - 0.0787	----	10	27 + 10
JUN20	----	----	1.8900 - 0.0775	----	10	27 + 10
JUL20	----	----	1.8914 - 0.0762	----	----	17 UNCH
AUG20	----	----	1.8911 - 0.0752	----	----	17 UNCH
SEP20	----	----	1.8897 - 0.0747	----	----	17 UNCH
OCT20	----	----	1.8886 - 0.0744	----	----	17 UNCH
NOV20	----	----	1.8765 - 0.0739	----	----	17 UNCH
DEC20	----	----	1.8493 - 0.0726	----	----	17 UNCH
TOTAL LY FUT					105	1648 + 79
GY FUT	GULF COAST ULSD CRACK SPREAD					
MAY19	----	----	22.57 - 0.06	----	----	40 UNCH
JUN19	----	----	22.44 - 0.15	----	----	40 UNCH
JUL19	----	----	22.49 - 0.20	----	----	25 UNCH
AUG19	----	----	22.84 - 0.20	----	----	25 UNCH
SEP19	----	----	23.22 - 0.20	----	----	25 UNCH
OCT19	----	----	23.18 - 0.20	----	----	25 UNCH
NOV19	----	----	22.95 - 0.22	----	----	25 UNCH
DEC19	----	----	22.71 - 0.37	----	----	25 UNCH
JAN20	----	----	23.61 - 0.17	----	----	10 UNCH
FEB20	----	----	23.95 - 0.16	----	----	10 UNCH
MAR20	----	----	23.98 - 0.26	----	----	10 UNCH
APR20	----	----	23.52 - 0.24	----	----	10 UNCH
MAY20	----	----	23.54 - 0.24	----	----	10 UNCH
JUN20	----	----	23.69 - 0.26	----	----	10 UNCH
JUL20	----	----	24.02 - 0.27	----	----	10 UNCH
AUG20	----	----	24.24 - 0.26	----	----	10 UNCH
SEP20	----	----	24.36 - 0.31	----	----	10 UNCH
OCT20	----	----	24.50 - 0.38	----	----	10 UNCH
NOV20	----	----	24.15 - 0.42	----	----	10 UNCH
DEC20	----	----	23.26 - 0.42	----	----	10 UNCH
JAN21	----	----	24.15 - 0.31	----	----	10 UNCH
FEB21	----	----	24.46 - 0.28	----	----	10 UNCH
MAR21	----	----	24.36 - 0.40	----	----	10 UNCH
APR21	----	----	23.65 - 0.45	----	----	10 UNCH
MAY21	----	----	23.45 - 0.43	----	----	10 UNCH
JUN21	----	----	23.47 - 0.44	----	----	10 UNCH
JUL21	----	----	23.56 - 0.46	----	----	10 UNCH
AUG21	----	----	23.71 - 0.42	----	----	10 UNCH
SEP21	----	----	23.85 - 0.43	----	----	10 UNCH
OCT21	----	----	23.96 - 0.39	----	----	10 UNCH
NOV21	----	----	24.01 - 0.39	----	----	10 UNCH
DEC21	----	----	24.07 - 0.44	----	----	10 UNCH

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TOTAL GY FUT							470	
GBB FUT	GULF CST UNL 87 GAS M2 V. RBOB BLMO							
08MAY19	----	----	-0.1127 + 0.0061		----	----	25	UNCH
15MAY19	----	----	-0.1156 + 0.0085		----	----	325	UNCH
TOTAL GBB FUT							350	
GCC FUT	GULF UNL87 M2 PL CRACK SPRD F							
MAY19	----	----	17.779 + 0.261		----	----	55	UNCH
JUN19	----	----	17.708 + 0.507		----	----	55	UNCH
TOTAL GCC FUT							110	
RVG FUT	GULF UNL87 M2 PL VS RBOB SPR F							
MAY19	----	----	-0.1042 + 0.0047		----	----	3926	UNCH
JUN19	----	----	-0.0900 + 0.0050		----	450	4301 + 25	
JUL19	----	----	-0.0625 + 0.0025		----	----	1302	UNCH
AUG19	----	----	-0.0375 + 0.0025		----	125	2864 + 75	
SEP19	----	----	0.0325 + 0.0025		----	175	1519 - 25	
OCT19	----	----	0.0050 UNCH		----	----	300	UNCH
NOV19	----	----	-0.0200 UNCH		----	----	38	UNCH
DEC19	----	----	-0.0250 UNCH		----	----	838	UNCH
TOTAL RVG FUT						750	15088 + 75	
1H FUT	HEATING OIL CRCK SPRD BALMO SW							
03MAY19	----	----	24.65 - 0.04		----	----	18	UNCH
TOTAL 1H FUT							18	
HOB FUT	HEATING OIL VS. BRENT CRACK SPREAD							
MAY19	----	----	15.561 - 0.001		----	----	1434	UNCH
JUN19	----	----	15.997 - 0.181		----	----	1434	UNCH
JUL19	----	----	17.054 - 0.130		----	----	317	UNCH
AUG19	----	----	17.993 - 0.099		----	----	317	UNCH
SEP19	----	----	18.723 - 0.067		----	----	317	UNCH
OCT19	----	----	19.251 - 0.058		----	----	327	UNCH
NOV19	----	----	19.651 - 0.089		----	----	327	UNCH
DEC19	----	----	20.004 - 0.092		----	----	327	UNCH
JAN20	----	----	20.035 - 0.103		----	----	78	UNCH
FEB20	----	----	19.829 - 0.118		----	----	78	UNCH
MAR20	----	----	19.412 - 0.120		----	----	78	UNCH
APR20	----	----	19.245 - 0.113		----	----	78	UNCH
MAY20	----	----	19.232 - 0.118		----	----	78	UNCH
JUN20	----	----	19.345 - 0.139		----	----	78	UNCH
JUL20	----	----	19.529 - 0.153		----	----	78	UNCH
AUG20	----	----	19.748 - 0.186		----	----	78	UNCH
SEP20	----	----	19.908 - 0.231		----	----	78	UNCH
OCT20	----	----	20.110 - 0.267		----	----	78	UNCH
NOV20	----	----	20.212 - 0.307		----	----	78	UNCH
DEC20	----	----	20.421 - 0.316		----	----	78	UNCH
JAN21	----	----	20.420 - 0.299		----	----	165	UNCH
FEB21	----	----	20.208 - 0.297		----	----	165	UNCH
MAR21	----	----	19.675 - 0.304		----	----	165	UNCH
APR21	----	----	19.293 - 0.345		----	----	165	UNCH
MAY21	----	----	19.103 - 0.345		----	----	165	UNCH
JUN21	----	----	19.089 - 0.351		----	----	165	UNCH
JUL21	----	----	19.144 - 0.377		----	----	165	UNCH
AUG21	----	----	19.302 - 0.355		----	----	165	UNCH
SEP21	----	----	19.452 - 0.378		----	----	165	UNCH
OCT21	----	----	19.596 - 0.387		----	----	165	UNCH
NOV21	----	----	19.646 - 0.396		----	----	165	UNCH
DEC21	----	----	19.644 - 0.439		----	----	165	UNCH
TOTAL HOB FUT							7716	
JA FUT	JAPAN C&F NAPHTHA							
MAY19	----	----	555.04 - 9.19		----	----	319	UNCH
JUN19	----	----	520.93 - 32.09		----	15	393 + 10	
JUL19	----	----	519.08 - 32.21		----	18	210 + 8	
AUG19	----	----	517.30 - 31.92		----	----	114	UNCH
SEP19	----	----	515.36 - 31.54		----	----	114	UNCH
OCT19	----	----	513.84 - 31.26		----	----	117	UNCH
NOV19	----	----	512.29 - 30.76		----	----	130	UNCH
DEC19	----	----	510.48 - 30.75		----	----	135	UNCH
JAN20	----	----	508.80 - 30.76		----	----	21	UNCH
FEB20	----	----	507.22 - 30.29		----	----	3	UNCH
MAR20	----	----	505.60 - 29.93		----	----	3	UNCH
APR20	----	----	503.64 - 30.01		----	----	3	UNCH
MAY20	----	----	502.24 - 29.31		----	----	3	UNCH
JUN20	----	----	501.20 - 28.59		----	----	3	UNCH
JUL20	----	----	500.83 - 28.07		----	----	3	UNCH
AUG20	----	----	500.35 - 27.68		----	----	3	UNCH
SEP20	----	----	500.11 - 27.71		----	----	3	UNCH

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JA FUT	JAPAN C&F NAPHTHA							
OCT20	----	----	499.50 - 28.16		----	----	3	UNCH
NOV20	----	----	499.15 - 27.85		----	----	3	UNCH
DEC20	----	----	498.31 - 27.64		----	----	3	UNCH
TOTAL JA FUT						33	1586 +	18
JB FUT	JAPAN C&F NAPHTHA CRACK SPREAD							
JUL19	----	----	-7.86 - 0.01		----	----	40	UNCH
OCT19	----	----	-6.96 + 0.09		----	----	27	UNCH
NOV19	----	----	-6.82 + 0.10		----	----	27	UNCH
DEC19	----	----	-6.71 + 0.08		----	----	27	UNCH
TOTAL JB FUT							121	
IT FUT	JET AVIA FUEL(PLTT) CRGS FOB M							
MAY19	----	----	646.125 - 7.429		----	----	2	UNCH
JUN19	----	----	621.199 - 26.726		----	----	3	UNCH
JUL19	----	----	622.683 - 26.643		----	----	4	UNCH
AUG19	----	----	624.880 - 26.597		----	----	4	UNCH
SEP19	----	----	626.378 - 26.860		----	----	3	UNCH
OCT19	----	----	628.265 - 26.094		----	----	3	UNCH
NOV19	----	----	625.732 - 26.018		----	----	3	UNCH
DEC19	----	----	623.494 - 26.173		----	----	3	UNCH
TOTAL IT FUT							25	
JC FUT	JET CIF NWE VS ICE							
MAY19	----	----	32.49 + 0.35		----	----	42	UNCH
JUN19	----	----	33.42 - 1.34		----	----	42	UNCH
JUL19	----	----	34.75 - 1.25		----	----	25	UNCH
AUG19	----	----	35.75 - 1.38		----	----	25	UNCH
SEP19	----	----	35.69 - 1.56		----	----	25	UNCH
OCT19	----	----	38.13 - 0.87		----	----	22	UNCH
NOV19	----	----	38.13 - 0.87		----	----	22	UNCH
DEC19	----	----	38.13 - 0.87		----	----	22	UNCH
JAN20	----	----	42.50 - 0.76		----	----	5	UNCH
FEB20	----	----	42.51 - 0.74		----	----	5	UNCH
MAR20	----	----	42.50 - 0.75		----	----	5	UNCH
APR20	----	----	43.91 - 0.60		----	----	5	UNCH
MAY20	----	----	43.92 - 0.58		----	----	5	UNCH
JUN20	----	----	43.92 - 0.58		----	----	5	UNCH
JUL20	----	----	44.50 - 1.00		----	----	5	UNCH
AUG20	----	----	44.50 - 1.00		----	----	5	UNCH
SEP20	----	----	44.50 - 1.00		----	----	5	UNCH
OCT20	----	----	43.88 - 0.87		----	----	5	UNCH
NOV20	----	----	43.87 - 0.88		----	----	5	UNCH
DEC20	----	----	43.87 - 0.88		----	----	5	UNCH
TOTAL JC FUT							285	
IM FUT	JET FUEL UP-DOWN BALMO CLNDR S							
02MAY19	----	----	-0.0592 + 0.0037		----	----	525	UNCH
03MAY19	----	----	-0.0577 + 0.0038		----	----	75	UNCH
06MAY19	----	----	-0.0562 + 0.0041		----	----	1200	UNCH
07MAY19	----	----	-0.0551 + 0.0042		----	----	100	UNCH
08MAY19	----	----	-0.0540 + 0.0045		----	----	375	UNCH
09MAY19	----	----	-0.0534 + 0.0048		----	----	465	UNCH
13MAY19	----	----	-0.0524 + 0.0055		----	----	350	UNCH
14MAY19	----	----	-0.0515 + 0.0059		----	----	325	UNCH
16MAY19	----	----	-0.0506 + 0.0069		----	----	465	UNCH
17MAY19	----	----	-0.0508 + 0.0077		----	----	550	UNCH
20MAY19	----	----	-0.0509 + 0.0085		----	----	350	UNCH
21MAY19	----	----	-0.0522 + 0.0096		----	----	700	UNCH
22MAY19	----	----	-0.0516 + 0.0109		----	----	400	UNCH
23MAY19	----	----	-0.0500 + 0.0125		----	550	650 +	550
TOTAL IM FUT						550	6530 +	550
KL FUT	LA CARB DIESEL (OPIS)							
MAY19	----	----	0.2773 - 0.0018		----	----	6	UNCH
JUN19	----	----	0.1250 UNCH		----	----	31	UNCH
JUL19	----	----	0.1200 UNCH		----	----	16	UNCH
AUG19	----	----	0.1200 UNCH		----	----	1	UNCH
SEP19	----	----	0.1200 UNCH		----	----	1	UNCH
OCT19	----	----	0.1200 UNCH		----	----	1	UNCH
NOV19	----	----	0.1200 UNCH		----	----	1	UNCH
DEC19	----	----	0.1200 UNCH		----	----	1	UNCH
TOTAL KL FUT							58	
JL FUT	LA CARBOB GASOLINE(OPIS)							
MAY19	----	----	0.2410 - 0.0010		----	----	100	UNCH
JUN19	----	----	0.1900 UNCH		----	----	100	UNCH
JUL19	----	----	0.1325 - 0.0025		----	50	125 +	25
TOTAL JL FUT						50	325 +	25

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JS FUT	LA JET (OPIS)							
MAY19	----	----	0.1687 - 0.0194		----	----	502	UNCH
JUN19	----	----	0.0517 - 0.0016		----	100	812 +	100
JUL19	----	----	0.0249 - 0.0016		----	----	25	UNCH
AUG19	----	----	0.0249 - 0.0016		----	----	25	UNCH
SEP19	----	----	0.0249 - 0.0016		----	----	25	UNCH
TOTAL JS FUT						100	1389 +	100
R50 FUT	MICRO EURO MARINE 0.5% FO BARGES							
OCT19	----	----	512.481 - 24.311		----	----	35	UNCH
NOV19	----	----	507.343 - 24.505		----	----	35	UNCH
DEC19	----	----	502.807 - 24.698		----	----	45	UNCH
TOTAL R50 FUT								115
MEF FUT	MICRO EUROPEAN 3.5% FUEL OIL BARGES							
MAY19	----	----	388.500 - 5.210		----	----	297	UNCH
JUN19	----	----	366.432 - 18.355		----	28	295 +	28
JUL19	----	----	360.924 - 19.381		----	10	168 +	10
AUG19	----	----	352.442 - 20.240		----	----	129	UNCH
SEP19	----	----	341.929 - 20.972		----	----	143	UNCH
OCT19	----	----	330.096 - 21.790		----	----	107	UNCH
NOV19	----	----	319.770 - 22.335		----	----	108	UNCH
DEC19	----	----	310.513 - 23.174		----	----	64	UNCH
TOTAL MEF FUT						38	1311 +	38
MAF FUT	MICRO SINGAPORE FUEL OIL 380CST (PL)							
MAY19	----	----	402.914 - 5.583		----	12	1300 +	12
JUN19	----	----	384.448 - 18.151		----	9	404 -	3
JUL19	----	----	381.049 - 19.006		----	5	320 +	5
AUG19	----	----	374.817 - 19.815		----	5	257 +	5
SEP19	----	----	366.992 - 20.609		----	5	301 +	5
OCT19	----	----	357.346 - 21.490		----	----	256	UNCH
NOV19	----	----	347.811 - 22.119		----	----	254	UNCH
DEC19	----	----	338.513 - 23.274		----	----	163	UNCH
JAN20	----	----	331.200 - 22.975		----	----	10	UNCH
FEB20	----	----	326.700 - 22.975		----	----	10	UNCH
TOTAL MAF FUT						36	3275 +	24
MAS FUT	MIN ARGUS PROPANE SAUDI ARAMCO							
JUN19	----	----	417.229 - 5.959		----	10	65	UNCH
JUL19	----	----	393.631 - NEW		----	20	20 +	20
AUG19	----	----	397.603 - 17.155		----	20	10	UNCH
SEP19	----	----	401.289 - NEW		----	10	10 +	10
OCT19	----	----	405.135 - 15.371		----	10	15 +	10
NOV19	----	----	408.962 - 15.003		----	10	15 +	10
DEC19	----	----	412.905 - 14.736		----	10	35 +	10
JAN20	----	----	416.354 - 14.625		----	20	40 +	20
FEB20	----	----	415.265 - 14.157		----	----	10	UNCH
MAR20	----	----	404.145 - 14.415		----	----	10	UNCH
APR20	----	----	392.185 - 14.752		----	----	10	UNCH
MAY20	----	----	386.661 - 14.551		----	----	10	UNCH
JUN20	----	----	386.121 - 14.701		----	----	10	UNCH
JUL20	----	----	388.879 - 14.935		----	----	10	UNCH
AUG20	----	----	390.645 - 15.047		----	----	10	UNCH
SEP20	----	----	393.283 - 15.016		----	----	10	UNCH
OCT20	----	----	395.549 - 15.150		----	----	10	UNCH
NOV20	----	----	399.195 - 14.530		----	----	10	UNCH
DEC20	----	----	402.610 - 14.126		----	----	10	UNCH
TOTAL MAS FUT						110	320 +	80
MNC FUT	MIN EURO NPHTHA CIF NWE							
MAY19	----	----	544.900 - 9.011		----	----	2233	UNCH
JUN19	----	----	508.929 - 31.719		----	148	2097 +	68
JUL19	----	----	505.831 - 31.589		----	10	267	UNCH
AUG19	----	----	503.053 - 30.915		----	----	200	UNCH
SEP19	----	----	499.739 - 31.040		----	----	148	UNCH
OCT19	----	----	497.835 - 30.881		----	----	103	UNCH
NOV19	----	----	495.662 - 30.763		----	----	83	UNCH
DEC19	----	----	493.355 - 30.746		----	----	155	UNCH
JAN20	----	----	491.304 - 30.635		----	----	33	UNCH
FEB20	----	----	489.215 - 30.417		----	----	33	UNCH
MAR20	----	----	487.095 - 30.175		----	----	33	UNCH
APR20	----	----	484.635 - 30.262		----	----	8	UNCH
MAY20	----	----	482.861 - 29.811		----	----	8	UNCH
JUN20	----	----	481.321 - 29.711		----	----	8	UNCH
JUL20	----	----	479.829 - 29.695		----	----	31	UNCH
AUG20	----	----	478.845 - 29.057		----	----	31	UNCH
SEP20	----	----	477.983 - 28.776		----	----	31	UNCH
OCT20	----	----	476.999 - 28.410		----	----	28	UNCH

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	MIN	EURO	NPHTHA	CIF	NWE	SETT. PRICE & PT. CHGE	GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST
MNC FUT	MIN EURO NPHTHA CIF NWE								
NOV20	----					475.895 - 27.790	----	----	28 UNCH
DEC20	----					474.310 - 27.386	----	----	28 UNCH
TOTAL MNC FUT								158	5586 + 68
MJN FUT	MIN JAPAN C&F NAPHTHA PLATTS								
MAY19	----					555.041 - 9.185	----	----	582 UNCH
JUN19	----					520.929 - 32.094	----	15	695 + 15
JUL19	----					519.081 - 32.214	----	20	160 - 20
AUG19	----					517.303 - 31.915	----	----	100 UNCH
SEP19	----					515.364 - 31.540	----	----	70 UNCH
OCT19	----					513.835 - 31.256	----	----	95 UNCH
NOV19	----					512.287 - 30.763	----	----	95 UNCH
DEC19	----					510.480 - 30.746	----	----	90 UNCH
TOTAL MJN FUT								35	1887 - 5
MJC FUT	MIN JETKERO CRGOS CIF NWE VS GASOIL								
MAY19	----					32.486 + 0.345	----	----	25 UNCH
JUN19	----					33.420 - 1.340	----	----	30 UNCH
JUL19	----					34.750 - 1.250	----	----	85 UNCH
AUG19	----					35.750 - 1.380	----	----	45 UNCH
SEP19	----					35.690 - 1.560	----	----	20 UNCH
JAN20	----					42.500 - 0.760	----	----	5 UNCH
FEB20	----					42.510 - 0.740	----	----	5 UNCH
MAR20	----					42.500 - 0.750	----	----	5 UNCH
APR20	----					43.910 - 0.600	----	----	5 UNCH
MAY20	----					43.920 - 0.580	----	----	5 UNCH
JUN20	----					43.920 - 0.580	----	----	5 UNCH
JUL20	----					44.500 - 1.000	----	----	5 UNCH
AUG20	----					44.500 - 1.000	----	----	5 UNCH
SEP20	----					44.500 - 1.000	----	----	5 UNCH
OCT20	----					43.880 - 0.870	----	----	5 UNCH
NOV20	----					43.870 - 0.880	----	----	5 UNCH
DEC20	----					43.870 - 0.880	----	----	5 UNCH
TOTAL MJC FUT									265
MTB FUT	MIN SPORE FUELOIL380CST(PLTS) BALMO								
08MAY19	----					400.385 - 6.897	----	----	5 UNCH
13MAY19	----					398.626 - 8.376	----	----	10 UNCH
14MAY19	----					397.508 - 9.019	----	----	10 UNCH
15MAY19	----					397.528 - 9.772	----	----	19 UNCH
TOTAL MTB FUT									44
MGN FUT	MIN ULSD 10PPM CRGS CIF NWE VS GSL								
MAY19	----					6.279 + 0.311	----	----	20 UNCH
JUN19	----					4.250 UNCH	----	----	30 UNCH
JUL19	----					4.250 + 0.292	----	----	50 UNCH
AUG19	----					4.062 + 0.062	----	----	50 UNCH
SEP19	----					4.125 + 0.125	----	----	50 UNCH
OCT19	----					4.958 + 0.042	----	----	20 UNCH
NOV19	----					4.958 + 0.041	----	----	30 UNCH
DEC19	----					4.958 + 0.042	----	----	30 UNCH
JAN20	----					6.750 UNCH	----	----	5 UNCH
FEB20	----					6.750 UNCH	----	----	5 UNCH
MAR20	----					6.750 UNCH	----	----	5 UNCH
APR20	----					7.000 - 0.375	----	----	5 UNCH
MAY20	----					7.000 - 0.375	----	----	5 UNCH
JUN20	----					7.000 - 0.375	----	----	5 UNCH
JUL20	----					7.000 - 0.250	----	----	5 UNCH
AUG20	----					7.000 - 0.250	----	----	5 UNCH
SEP20	----					7.000 - 0.250	----	----	5 UNCH
OCT20	----					6.917 - 0.166	----	----	5 UNCH
NOV20	----					6.917 - 0.167	----	----	5 UNCH
DEC20	----					6.917 - 0.167	----	----	5 UNCH
TOTAL MGN FUT									340
MMF FUT	MINI 3.5% FUEL OIL CAR MED								
MAY19	----					387.220 - 5.299	----	----	50 UNCH
JUN19	----					365.369 - 18.118	----	17	99 + 17
JUL19	----					359.474 - 19.281	----	----	35 UNCH
AUG19	----					350.379 - 20.353	----	----	35 UNCH
SEP19	----					339.763 NEW	----	16	16 + 16
OCT19	----					326.971 - 21.790	----	----	10 UNCH
TOTAL MMF FUT								33	245 + 33
MAE FUT	MINI ARGUS PROPANE FAR EAST IDX								
MAY19	----					469.210 - 5.672	----	----	166 UNCH
JUN19	----					418.229 - 18.959	----	10	134 + 10
JUL19	----					414.631 - 19.829	----	----	22 UNCH
AUG19	----					417.103 - 19.655	----	----	12 UNCH

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	GLOBEX OPEN		GLOBEX HIGH/LOW		SETT. PRICE & PT. CHGE		GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST					
MAE FUT	MINI	ARGUS	PROPANE	FAR	EAST	IDX								
SEP19		----			----		421.789	-	19.280	----	12	UNCH		
OCT19		----			----		426.885	-	18.871	----	12	UNCH		
NOV19		----			----		431.712	-	18.753	----	12	UNCH		
DEC19		----			----		435.655	-	18.986	----	12	UNCH		
JAN20		----			----		438.604	-	18.875	----	15	+	5	
FEB20		----			----		434.515		NEW	----	5	+	5	
MAR20		----			----		421.395		NEW	----	5	+	5	
APR20		----			----		409.435		NEW	----	5	+	5	
MAY20		----			----		404.411		NEW	----	5	+	5	
JUN20		----			----		403.371		NEW	----	5	+	5	
JUL20		----			----		406.129		NEW	----	5	+	5	
AUG20		----			----		409.895		NEW	----	5	+	5	
SEP20		----			----		414.033		NEW	----	5	+	5	
OCT20		----			----		417.799		NEW	----	5	+	5	
NOV20		----			----		422.445		NEW	----	5	+	5	
DEC20		----			----		426.860		NEW	----	5	+	5	
TOTAL MAE FUT										70	452	+	70	
T0 FUT	MINI	EU	1%FO	BARGE	FOB	RDAM	FUT							
OCT19		----			----		399.979	-	20.940	----	3		UNCH	
NOV19		----			----		404.957	-	21.711	----	3		UNCH	
DEC19		----			----		407.075	-	24.924	----	3		UNCH	
TOTAL T0 FUT											9			
0B FUT	MINI	EU	1%FO	CARGO	FOB	NWE	FUT							
MAY19		----			----		408.357	-	4.722	----	10		UNCH	
TOTAL 0B FUT											10			
0D FUT	MINI	EU	3.5%FO	BARGE	FOB	RDAM	FUT							
MAY19		----			----		388.500	-	5.210	----	990		UNCH	
JUN19		----			----		366.432	-	18.355	----	80	737	+	25
JUL19		----			----		360.924	-	19.381	----	67	400	+	27
AUG19		----			----		352.442	-	20.240	----		316		UNCH
SEP19		----			----		341.929	-	20.972	----		285		UNCH
OCT19		----			----		330.096	-	21.790	----	10	307	+	10
NOV19		----			----		319.770	-	22.335	----	10	245	+	10
DEC19		----			----		310.513	-	23.174	----	10	247	+	10
JAN20		----			----		302.950	-	23.075	----		25		UNCH
FEB20		----			----		298.950	-	23.075	----		20		UNCH
MAR20		----			----		296.700	-	22.950	----		20		UNCH
APR20		----			----		294.700	-	22.825	----		25		UNCH
MAY20		----			----		293.200	-	22.825	----		15		UNCH
JUN20		----			----		292.075	-	22.825	----		15		UNCH
JUL20		----			----		291.325	-	22.825	----		10		UNCH
AUG20		----			----		291.075	-	22.825	----		10		UNCH
SEP20		----			----		291.200	-	22.825	----		10		UNCH
OCT20		----			----		291.950	-	22.825	----		20		UNCH
NOV20		----			----		293.450	-	22.825	----		30		UNCH
DEC20		----			----		295.700	-	22.825	----		20		UNCH
JAN21		----			----		296.700	-	22.575	----		4		UNCH
FEB21		----			----		297.450	-	22.450	----		4		UNCH
MAR21		----			----		297.950	-	22.325	----		4		UNCH
APR21		----			----		298.200	-	22.200	----		4		UNCH
MAY21		----			----		298.075	-	22.200	----		4		UNCH
JUN21		----			----		297.700	-	22.075	----		4		UNCH
JUL21		----			----		297.200	-	21.950	----		4		UNCH
AUG21		----			----		296.575	-	21.950	----		4		UNCH
SEP21		----			----		295.950	-	21.950	----		4		UNCH
OCT21		----			----		295.200	-	21.950	----		4		UNCH
NOV21		----			----		294.450	-	21.950	----		4		UNCH
DEC21		----			----		293.700	-	21.950	----		4		UNCH
TOTAL 0D FUT										177	3795	+	82	
MUD FUT	MINI	EUR	DIESEL10PPM	VS	ICE	GS								
OCT19		----			----		0.750	-	0.041	----	10		UNCH	
TOTAL MUD FUT											10			
MEN FUT	MINI	EURO	NAPHTHA	BALMO										
02MAY19		----			----		543.582	-	9.462	----	20		UNCH	
03MAY19		----			----		543.060	-	9.960	----	45		UNCH	
07MAY19		----			----		541.619	-	10.513	----	4		UNCH	
08MAY19		----			----		540.802	-	11.132	----	16		UNCH	
09MAY19		----			----		539.743	-	11.828	----	30		UNCH	
13MAY19		----			----		538.082	-	13.517	----	25		UNCH	
20MAY19		----			----		525.294	-	21.026	----	15		UNCH	
TOTAL MEN FUT											155			
R5M FUT	MINI	EUROPEAN	FOB	RDAM	MARINE	FUEL								
DEC19		----			----		502.807	-	24.698	----	4		UNCH	

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R5M FUT											
JAN20	----				----		500.385 - 23.650	----	----	20	UNCH
FEB20	----				----		497.984 - 23.932	----	----	9	UNCH
MAR20	----				----		495.951 - 23.524	----	----	9	UNCH
APR20	----				----		493.309 - 23.614	----	----	9	UNCH
MAY20	----				----		491.338 - 23.778	----	----	9	UNCH
JUN20	----				----		490.055 - 23.690	----	----	9	UNCH
JUL20	----				----		489.183 - 23.625	----	----	4	UNCH
AUG20	----				----		488.602 - 23.357	----	----	4	UNCH
SEP20	----				----		488.238 - 23.020	----	----	4	UNCH
OCT20	----				----		487.172 - 22.507	----	----	4	UNCH
NOV20	----				----		485.680 - 22.377	----	----	4	UNCH
DEC20	----				----		485.992 - 21.156	----	----	4	UNCH
JAN21	----				----		486.255 - 19.878	----	----	4	UNCH
FEB21	----				----		487.350 - 17.848	----	----	4	UNCH
MAR21	----				----		486.222 - 17.343	----	----	4	UNCH
APR21	----				----		483.484 - 18.074	----	----	4	UNCH
MAY21	----				----		480.032 - 19.353	----	----	4	UNCH
JUN21	----				----		478.475 - 19.759	----	----	4	UNCH
JUL21	----				----		478.155 - 19.575	----	----	4	UNCH
AUG21	----				----		477.901 - 19.339	----	----	4	UNCH
SEP21	----				----		477.698 - 18.818	----	----	4	UNCH
OCT21	----				----		476.717 - 18.459	----	----	4	UNCH
NOV21	----				----		475.398 - 18.218	----	----	4	UNCH
DEC21	----				----		474.752 - 18.073	----	----	4	UNCH
TOTAL R5M FUT										141	
MEO FUT	MINI	GAS	EUROBOB	OXY	BARGES						
MAY19	----				----		703.236 - 8.487	----	----	1034	UNCH
JUN19	----				----		680.152 - 25.920	----	50	770	UNCH
JUL19	----				----		640.380 - 28.300	----	20	260	UNCH
AUG19	----				----		623.768 - 28.144	----	----	186	UNCH
SEP19	----				----		609.923 - 28.217	----	----	232	UNCH
OCT19	----				----		574.763 - 28.305	----	----	221	UNCH
NOV19	----				----		563.643 - 28.407	----	----	217	UNCH
DEC19	----				----		558.060 - 28.158	----	----	175	UNCH
JAN20	----				----		558.559 - 28.075	----	----	55	UNCH
FEB20	----				----		560.819 - 27.512	----	----	25	UNCH
MAR20	----				----		563.752 - 27.215	----	----	25	UNCH
TOTAL MEO FUT									70	3200	
MEB FUT	MINI	GAS	EUROBOB	OXY	NWE	ARGS	BALMO				
02MAY19	----				----		702.411 - 8.911	----	----	20	UNCH
07MAY19	----				----		702.498 - 9.902	----	----	54	UNCH
08MAY19	----				----		703.292 - 10.484	----	----	30	UNCH
09MAY19	----				----		705.013 - 11.140	----	----	25	UNCH
14MAY19	----				----		707.497 - 13.710	----	----	44	UNCH
15MAY19	----				----		708.726 - 14.853	----	----	56	UNCH
16MAY19	----				----		709.815 - 16.202	----	----	55	UNCH
20MAY19	----				----		705.662 - 19.804	----	----	20	UNCH
TOTAL MEB FUT										304	
MGB FUT	MINI	GSOIL	.1	PLTTS	VS	ICE	GSOIL	SW			
MAY19	----				----		-15.700 + 0.915	----	----	40	UNCH
JUN19	----				----		-14.500 + 2.125	----	----	10	UNCH
OCT19	----				----		-8.188 + 0.250	----	----	10	UNCH
NOV19	----				----		-8.187 + 0.250	----	----	10	UNCH
DEC19	----				----		-8.188 + 0.250	----	----	10	UNCH
TOTAL MGB FUT										80	
MXB FUT	MINI	RBOB	V.	EBOB	(ARGUS)	NWE	BRGS				
MAY19	----				----		-0.0303 + 0.0029	----	----	1254	UNCH
JUN19	----				----		-0.0531 - 0.0024	----	90	1395 + 70	
JUL19	----				----		0.0258 + 0.0015	----	----	685	UNCH
AUG19	----				----		0.0384 - 0.0006	----	----	545	UNCH
SEP19	----				----		-0.0749 - 0.0023	----	----	545	UNCH
OCT19	----				----		-0.0089 - 0.0005	----	----	234	UNCH
NOV19	----				----		-0.0034 + 0.0001	----	----	234	UNCH
DEC19	----				----		0.0024 - 0.0004	----	----	234	UNCH
TOTAL MXB FUT									90	5126 + 70	
MXR FUT	MINI	RBOB	V.	EBOB	BARG	NWE	BRGS	BALMO			
07MAY19	----				----		-0.0384 + 0.0024	----	----	60	UNCH
08MAY19	----				----		-0.0395 + 0.0025	----	----	60	UNCH
14MAY19	----				----		-0.0531 + 0.0032	----	----	50	UNCH
TOTAL MXR FUT										170	
MTS FUT	MINI	SINGAPORE	380CST	FUEL	OIL						
MAY19	----				----		402.914 - 5.583	----	1	1358 + 1	
JUN19	----				----		384.448 - 18.151	----	80	1246 - 15	

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	MINI SINGAPORE	380CST FUEL OIL	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
MTS FUT						
JUL19	----	----	381.049 - 19.006	----	36	777 + 16
AUG19	----	----	374.817 - 19.815	----	6	644 + 6
SEP19	----	----	366.992 - 20.609	----	16	513 - 4
OCT19	----	----	357.346 - 21.490	----	6	280 + 6
NOV19	----	----	347.811 - 22.119	----	6	220 + 6
DEC19	----	----	338.513 - 23.274	----	----	229 UNCH
JAN20	----	----	331.200 - 22.975	----	----	23 UNCH
FEB20	----	----	326.700 - 22.975	----	----	19 UNCH
MAR20	----	----	323.950 - 22.850	----	----	19 UNCH
APR20	----	----	321.660 - 22.915	----	----	9 UNCH
MAY20	----	----	319.370 - 22.980	----	----	9 UNCH
JUN20	----	----	317.411 - 22.811	----	----	9 UNCH
JUL20	----	----	315.451 - 22.643	----	----	9 UNCH
AUG20	----	----	313.492 - 22.475	----	----	9 UNCH
SEP20	----	----	313.478 - 22.475	----	----	9 UNCH
OCT20	----	----	313.464 - 22.475	----	----	4 UNCH
NOV20	----	----	313.450 - 22.475	----	----	3 UNCH
DEC20	----	----	314.707 - 22.359	----	----	4 UNCH
FEB21	----	----	317.221 - 22.128	----	----	1 UNCH
TOTAL MTS FUT					151	5394 + 16
5L FUT						
02MAY19	----	----	416.955 - 5.390	----	----	30 UNCH
14MAY19	----	----	411.828 - 8.707	----	----	30 UNCH
TOTAL 5L FUT						60
0F FUT						
MAY19	----	----	416.955 - 5.390	----	----	380 UNCH
JUN19	----	----	397.282 - 17.755	----	10	275 UNCH
JUL19	----	----	392.674 - 18.881	----	----	30 UNCH
AUG19	----	----	386.442 - 19.690	----	----	30 UNCH
SEP19	----	----	378.679 - 20.547	----	----	30 UNCH
OCT19	----	----	369.221 - 21.282	----	----	15 UNCH
NOV19	----	----	359.895 - 22.035	----	----	15 UNCH
DEC19	----	----	351.013 - 23.149	----	----	15 UNCH
JAN20	----	----	346.700 - 22.975	----	----	25 UNCH
FEB20	----	----	342.200 - 22.975	----	----	25 UNCH
MAR20	----	----	339.450 - 22.850	----	----	25 UNCH
TOTAL 0F FUT					10	865
S5M FUT						
DEC19	----	----	521.873 - 24.739	----	----	10 UNCH
JAN20	----	----	517.552 - 24.227	----	----	3 UNCH
FEB20	----	----	514.381 - 24.701	----	----	3 UNCH
MAR20	----	----	512.110 - 24.470	----	----	3 UNCH
MAY20	----	----	510.123 - 24.052	----	----	10 UNCH
NOV20	----	----	500.863 - 22.415	----	----	8 UNCH
TOTAL S5M FUT						37
MSG FUT						
MAY19	----	----	82.753 - 0.963	----	----	110 UNCH
JUN19	----	----	80.269 - 3.266	----	10	60 + 10
JUL19	----	----	80.178 - 3.244	----	----	5 UNCH
AUG19	----	----	80.343 - 3.278	----	----	8 UNCH
SEP19	----	----	80.538 - 3.320	----	----	9 UNCH
OCT19	----	----	80.563 - 3.341	----	----	3 UNCH
NOV19	----	----	80.368 - 3.286	----	----	12 UNCH
DEC19	----	----	80.059 - 3.295	----	----	6 UNCH
TOTAL MSG FUT					10	213 + 10
MAA FUT						
JUN19	----	----	398.000 - 8.427	----	----	20 UNCH
TOTAL MAA FUT						20
1N FUT						
MAY19	----	----	74.758 - 1.206	----	----	3564 UNCH
JUN19	----	----	70.801 - 3.812	----	----	3188 UNCH
JUL19	----	----	69.864 - 3.837	----	----	3300 UNCH
AUG19	----	----	69.055 - 3.799	----	----	1950 UNCH
SEP19	----	----	68.339 - 3.732	----	----	2275 UNCH
OCT19	----	----	67.810 - 3.742	----	----	1550 UNCH
NOV19	----	----	67.365 - 3.745	----	----	850 UNCH
DEC19	----	----	67.010 - 3.710	----	----	650 UNCH
JAN20	----	----	66.965 - 3.720	----	----	500 UNCH
TOTAL 1N FUT						17827
51 FUT						
MAY19	----	----	-105.666 + 0.987	----	----	5 UNCH
JUN19	----	----	-88.240 + 0.333	----	----	6 UNCH
AUG19	----	----	-76.129 + 3.556	----	----	6 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	
TOTAL 51 FUT							17	
1NM FUT	MTBE FOB SINGAPORE (PLATTS) FUTURES							
MAY19	----	----	663.66 - 10.63		----	----	70	UNCH
JUN19	----	----	624.00 - 33.59		----	----	80	UNCH
JUL19	----	----	615.73 - 33.82		----	----	30	UNCH
TOTAL 1NM FUT							180	
NOB FUT	NAPHTHA (PLATTS) NWE CRACK							
MAY19	----	----	-8.886 - 0.018		----	----	216	UNCH
JUN19	----	----	-9.270 - 0.070		----	----	222	UNCH
JUL19	----	----	-8.696 + 0.021		----	----	96	UNCH
AUG19	----	----	-8.346 + 0.107		----	----	87	UNCH
SEP19	----	----	-8.253 + 0.091		----	----	87	UNCH
OCT19	----	----	-8.119 + 0.089		----	----	80	UNCH
NOV19	----	----	-8.044 + 0.062		----	----	80	UNCH
DEC19	----	----	-7.992 + 0.040		----	----	80	UNCH
JAN20	----	----	-7.977 + 0.004		----	----	54	UNCH
FEB20	----	----	-7.981 - 0.042		----	----	54	UNCH
MAR20	----	----	-7.989 - 0.083		----	----	54	UNCH
APR20	----	----	-8.026 - 0.154		----	----	49	UNCH
MAY20	----	----	-7.986 - 0.163		----	----	49	UNCH
JUN20	----	----	-7.949 - 0.222		----	----	49	UNCH
JUL20	----	----	-7.887 - 0.290		----	----	47	UNCH
AUG20	----	----	-7.765 - 0.292		----	----	47	UNCH
SEP20	----	----	-7.643 - 0.326		----	----	47	UNCH
OCT20	----	----	-7.506 - 0.335		----	----	47	UNCH
NOV20	----	----	-7.440 - 0.326		----	----	47	UNCH
DEC20	----	----	-7.422 - 0.344		----	----	47	UNCH
JAN21	----	----	-7.407 - 0.258		----	----	27	UNCH
FEB21	----	----	-7.436 - 0.180		----	----	27	UNCH
MAR21	----	----	-7.496 - 0.077		----	----	27	UNCH
APR21	----	----	-7.663 - 0.051		----	----	27	UNCH
MAY21	----	----	-7.777 + 0.011		----	----	27	UNCH
JUN21	----	----	-7.833 + 0.045		----	----	27	UNCH
JUL21	----	----	-7.899 + 0.014		----	----	27	UNCH
AUG21	----	----	-7.938 + 0.009		----	----	27	UNCH
SEP21	----	----	-7.977 + 0.015		----	----	27	UNCH
OCT21	----	----	-7.997 + 0.030		----	----	27	UNCH
NOV21	----	----	-8.141 + 0.047		----	----	27	UNCH
DEC21	----	----	-8.276 + 0.063		----	----	27	UNCH
TOTAL NOB FUT							1863	
UT FUT	NO 2 UP-DOWN SPREAD CALENDAR							
MAY19	----	----	-0.1786 UNCH		----	----	75	UNCH
JUN19	----	----	-0.1725 + 0.0025		----	----	125	UNCH
TOTAL UT FUT							200	
FOC FUT	NY 3% FUEL OIL V GULF COAST NO6 3%							
MAY19	----	----	0.341 + 0.074		----	----	50	UNCH
JUN19	----	----	0.400 UNCH		----	----	50	UNCH
JUL19	----	----	0.425 + 0.025		----	----	100	UNCH
AUG19	----	----	0.450 UNCH		----	----	100	UNCH
SEP19	----	----	0.625 UNCH		----	----	100	UNCH
OCT19	----	----	0.725 UNCH		----	----	60	UNCH
NOV19	----	----	0.700 - 0.025		----	----	60	UNCH
DEC19	----	----	0.700 UNCH		----	----	60	UNCH
JAN20	----	----	0.175 UNCH		----	----	60	UNCH
FEB20	----	----	0.075 UNCH		----	----	60	UNCH
MAR20	----	----	0.100 UNCH		----	----	60	UNCH
APR20	----	----	0.125 - 0.025		----	----	60	UNCH
MAY20	----	----	0.150 - 0.025		----	----	60	UNCH
JUN20	----	----	0.175 - 0.025		----	----	60	UNCH
JUL20	----	----	0.200 - 0.025		----	----	60	UNCH
AUG20	----	----	0.225 - 0.050		----	----	60	UNCH
SEP20	----	----	0.275 - 0.050		----	----	60	UNCH
OCT20	----	----	0.275 - 0.050		----	----	60	UNCH
NOV20	----	----	0.300 - 0.050		----	----	60	UNCH
DEC20	----	----	0.275 - 0.050		----	----	60	UNCH
TOTAL FOC FUT							1300	
H1 FUT	NY 3.0% FUEL OIL (PLATTS)							
MAY19	----	----	61.736 - 0.818		----	----	75	UNCH
JUN19	----	----	57.450 - 3.100		----	----	150	UNCH
TOTAL H1 FUT							225	
JTB FUT	NY BUCKEYE JET FUEL V. NY HR BALMO							
02MAY19	----	----	0.0027 + 0.0022		----	----	125	UNCH
03MAY19	----	----	0.0042 + 0.0023		----	----	350	UNCH
07MAY19	----	----	0.0081 + 0.0025		----	----	75	UNCH

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JTB FUT	NY BUCKEYE JET FUEL V. NY HR BALMO							
08MAY19	----	----	0.0098 + 0.0027		----	----	25	UNCH
09MAY19	----	----	0.0110 + 0.0029		----	----	275	UNCH
10MAY19	----	----	0.0121 + 0.0031		----	----	125	UNCH
15MAY19	----	----	0.0159 + 0.0038		----	----	100	UNCH
16MAY19	----	----	0.0168 + 0.0042		----	----	50	UNCH
17MAY19	----	----	0.0168 + 0.0046		----	----	150	UNCH
20MAY19	----	----	0.0167 + 0.0051		----	----	250	UNCH
TOTAL JTB FUT							1525	
JET FUT	NY BUCKEYE JET FUEL VS NY HARB ULSD							
MAY19	----	----	0.0011 + 0.0021		----	----	750	UNCH
JUN19	----	----	0.0050 + 0.0086		----	----	1250	UNCH
JUL19	----	----	-0.0025 + 0.0050		----	----	400	UNCH
AUG19	----	----	-0.0050 + 0.0025		----	----	400	UNCH
SEP19	----	----	-0.0075 UNCH		----	----	400	UNCH
TOTAL JET FUT							3200	
NLS FUT	NY HARBOR LOW SULPUR GAS 1000MBBL							
MAY19	----	----	0.0198 + 0.0006		----	----	25	UNCH
JUN19	----	----	0.0226 - 0.0076		----	----	25	UNCH
JAN20	----	----	0.0550 - 0.0052		----	----	25	UNCH
FEB20	----	----	0.0493 - 0.0051		----	----	25	UNCH
MAR20	----	----	0.0391 - 0.0051		----	----	25	UNCH
APR20	----	----	0.0363 - 0.0053		----	----	25	UNCH
MAY20	----	----	0.0372 - 0.0054		----	----	25	UNCH
JUN20	----	----	0.0391 - 0.0058		----	----	25	UNCH
JUL20	----	----	0.0405 - 0.0056		----	----	25	UNCH
AUG20	----	----	0.0425 - 0.0060		----	----	25	UNCH
SEP20	----	----	0.0430 - 0.0071		----	----	25	UNCH
OCT20	----	----	0.0484 - 0.0078		----	----	25	UNCH
NOV20	----	----	0.0555 - 0.0081		----	----	25	UNCH
DEC20	----	----	0.0620 - 0.0081		----	----	25	UNCH
JAN21	----	----	0.0613 - 0.0073		----	----	35	UNCH
FEB21	----	----	0.0565 - 0.0063		----	----	35	UNCH
MAR21	----	----	0.0462 - 0.0062		----	----	35	UNCH
APR21	----	----	0.0401 - 0.0077		----	----	35	UNCH
MAY21	----	----	0.0404 - 0.0074		----	----	35	UNCH
JUN21	----	----	0.0406 - 0.0070		----	----	35	UNCH
JUL21	----	----	0.0396 - 0.0070		----	----	35	UNCH
AUG21	----	----	0.0406 - 0.0062		----	----	35	UNCH
SEP21	----	----	0.0413 - 0.0079		----	----	35	UNCH
OCT21	----	----	0.0456 - 0.0086		----	----	35	UNCH
NOV21	----	----	0.0503 - 0.0092		----	----	35	UNCH
DEC21	----	----	0.0503 - 0.0107		----	----	35	UNCH
JAN22	----	----	0.0463 - 0.0128		----	----	10	UNCH
FEB22	----	----	0.0387 - 0.0152		----	----	10	UNCH
MAR22	----	----	0.0280 - 0.0171		----	----	10	UNCH
APR22	----	----	0.0326 - 0.0175		----	----	10	UNCH
MAY22	----	----	0.0249 - 0.0176		----	----	10	UNCH
JUN22	----	----	0.0301 - 0.0181		----	----	10	UNCH
JUL22	----	----	0.0310 - 0.0194		----	----	10	UNCH
AUG22	----	----	0.0329 - 0.0210		----	----	10	UNCH
SEP22	----	----	0.0348 - 0.0226		----	----	10	UNCH
OCT22	----	----	0.0319 - 0.0242		----	----	10	UNCH
NOV22	----	----	0.0342 - 0.0253		----	----	10	UNCH
DEC22	----	----	0.0373 - 0.0255		----	----	10	UNCH
TOTAL NLS FUT							890	
MM FUT	NY HARBOR RESIDUAL FUEL 1.0% S							
MAY19	----	----	65.77 - 0.89		----	----	196	UNCH
JUN19	----	----	62.75 - 2.90		----	25	360 + 25	
JUL19	----	----	62.13 - 2.97		----	----	67	UNCH
AUG19	----	----	61.60 - 3.00		----	----	13	UNCH
MAR20	----	----	62.93 - 3.57		----	----	304	UNCH
TOTAL MM FUT						25	940 + 25	
7Y FUT	NY ULSD(ARGUS) VS HO SPREAD							
MAY19	----	----	-0.0010 - 0.0002		----	----	287	UNCH
JUN19	----	----	-0.0015 + 0.0010		----	----	281	UNCH
JUL19	----	----	-0.0040 + 0.0004		----	----	268	UNCH
AUG19	----	----	-0.0021 + 0.0004		----	----	18	UNCH
SEP19	----	----	-0.0021 + 0.0004		----	----	19	UNCH
OCT19	----	----	-0.0021 + 0.0004		----	----	19	UNCH
NOV19	----	----	-0.0021 + 0.0004		----	----	25	UNCH
DEC19	----	----	-0.0021 + 0.0004		----	----	31	UNCH
TOTAL 7Y FUT							948	
VR FUT	NY1% VS GC SPREAD							

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VR FUT	NY1% VS GC SPREAD							
MAY19	----	----	4.379 + 0.002		----	----	85	UNCH
JUN19	----	----	5.700 + 0.200		----	----	85	UNCH
JUL19	----	----	5.600 + 0.150		----	----	155	UNCH
AUG19	----	----	6.100 + 0.150		----	----	155	UNCH
SEP19	----	----	8.300 + 0.200		----	----	155	UNCH
OCT19	----	----	10.625 + 0.250		----	----	495	UNCH
NOV19	----	----	12.950 + 0.200		----	----	445	UNCH
DEC19	----	----	15.050 + 0.100		----	----	320	UNCH
JAN20	----	----	15.650 + 0.075		----	----	10	UNCH
FEB20	----	----	15.750 + 0.050		----	----	10	UNCH
MAR20	----	----	15.575 + 0.025		----	----	10	UNCH
APR20	----	----	15.425 - 0.025		----	----	10	UNCH
MAY20	----	----	15.275 - 0.025		----	----	10	UNCH
JUN20	----	----	15.125 - 0.025		----	----	10	UNCH
JUL20	----	----	14.875 - 0.025		----	----	10	UNCH
AUG20	----	----	14.625 UNCH		----	----	10	UNCH
SEP20	----	----	14.350 UNCH		----	----	10	UNCH
OCT20	----	----	14.025 UNCH		----	----	10	UNCH
NOV20	----	----	13.575 UNCH		----	----	10	UNCH
DEC20	----	----	12.975 UNCH		----	----	10	UNCH
TOTAL VR FUT							2015	
HK FUT	NYH NO 2 CRACK SPREAD CAL							
MAY19	----	----	24.67 - 0.05		----	----	437	UNCH
JUN19	----	----	24.52 - 0.17		----	----	402	UNCH
JUL19	----	----	24.59 - 0.20		----	----	340	UNCH
AUG19	----	----	24.90 - 0.20		----	----	340	UNCH
SEP19	----	----	25.26 - 0.19		----	----	340	UNCH
OCT19	----	----	25.60 - 0.19		----	----	330	UNCH
NOV19	----	----	25.89 - 0.22		----	----	330	UNCH
DEC19	----	----	26.18 - 0.26		----	----	330	UNCH
JAN20	----	----	26.23 - 0.28		----	----	65	UNCH
FEB20	----	----	26.05 - 0.26		----	----	65	UNCH
MAR20	----	----	25.66 - 0.26		----	----	65	UNCH
APR20	----	----	25.51 - 0.24		----	----	35	UNCH
MAY20	----	----	25.53 - 0.25		----	----	35	UNCH
JUN20	----	----	25.69 - 0.25		----	----	35	UNCH
JUL20	----	----	25.91 - 0.27		----	----	35	UNCH
AUG20	----	----	26.13 - 0.26		----	----	35	UNCH
SEP20	----	----	26.25 - 0.31		----	----	5	UNCH
OCT20	----	----	26.39 - 0.38		----	----	5	UNCH
NOV20	----	----	26.46 - 0.42		----	----	5	UNCH
DEC20	----	----	26.73 - 0.41		----	----	5	UNCH
TOTAL HK FUT							3239	
BH FUT	NYMEX HEATING OIL FUTURES							
JUN19	----	----	1.9624 - 0.0867		----	----	13	UNCH
JUL19	----	----	1.9631 - 0.0875		----	----	13	UNCH
AUG19	----	----	1.9663 - 0.0881		----	----	13	UNCH
SEP19	----	----	1.9729 - 0.0876		----	----	13	UNCH
OCT19	----	----	1.9792 - 0.0868		----	----	13	UNCH
NOV19	----	----	1.9835 - 0.0861		----	----	13	UNCH
DEC19	----	----	1.9854 - 0.0859		----	----	13	UNCH
JAN20	----	----	1.9864 - 0.0854		----	----	6	UNCH
FEB20	----	----	1.9813 - 0.0845		----	----	6	UNCH
MAR20	----	----	1.9709 - 0.0832		----	----	6	UNCH
APR20	----	----	1.9555 - 0.0816		----	----	6	UNCH
MAY20	----	----	1.9458 - 0.0800		----	----	6	UNCH
JUN20	----	----	1.9398 - 0.0787		----	----	6	UNCH
JUL20	----	----	1.9375 - 0.0775		----	----	6	UNCH
AUG20	----	----	1.9364 - 0.0762		----	----	6	UNCH
SEP20	----	----	1.9361 - 0.0752		----	----	6	UNCH
OCT20	----	----	1.9347 - 0.0747		----	----	6	UNCH
NOV20	----	----	1.9336 - 0.0744		----	----	6	UNCH
DEC20	----	----	1.9315 - 0.0739		----	----	6	UNCH
TOTAL BH FUT							163	
MP FUT	NYMEX NY HARBOR HEAT OIL CLNDR							
MAY19	----	----	2.0398 - 0.0237		----	----	989	UNCH
JUN19	----	----	1.9631 - 0.0875		----	1906	2700 + 1853	
JUL19	----	----	1.9663 - 0.0881		----	3	639 + 3	
AUG19	----	----	1.9729 - 0.0876		----	5	653 + 5	
SEP19	----	----	1.9792 - 0.0868		----	4	645 + 4	
OCT19	----	----	1.9835 - 0.0861		----	53	497 + 53	
NOV19	----	----	1.9854 - 0.0859		----	43	339 + 43	
DEC19	----	----	1.9864 - 0.0854		----	41	318 + 41	
JAN20	----	----	1.9813 - 0.0845		----	2	251 + 2	

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MP FUT	NYMEX NY HARBOR HEAT OIL CLNDR					
FEB20	----	----	1.9709 - 0.0832	----	2	251 + 2
MAR20	----	----	1.9555 - 0.0816	----	2	251 + 2
APR20	----	----	1.9458 - 0.0800	----	----	267 UNCH
MAY20	----	----	1.9398 - 0.0787	----	----	270 UNCH
JUN20	----	----	1.9375 - 0.0775	----	----	268 UNCH
JUL20	----	----	1.9364 - 0.0762	----	----	217 UNCH
AUG20	----	----	1.9361 - 0.0752	----	----	216 UNCH
SEP20	----	----	1.9347 - 0.0747	----	----	216 UNCH
OCT20	----	----	1.9336 - 0.0744	----	----	212 UNCH
NOV20	----	----	1.9315 - 0.0739	----	----	156 UNCH
DEC20	----	----	1.9318 - 0.0726	----	----	152 UNCH
JAN21	----	----	1.9279 - 0.0706	----	----	14 UNCH
FEB21	----	----	1.9188 - 0.0689	----	----	14 UNCH
MAR21	----	----	1.9021 - 0.0674	----	----	14 UNCH
APR21	----	----	1.8892 - 0.0667	----	----	14 UNCH
MAY21	----	----	1.8812 - 0.0652	----	----	14 UNCH
JUN21	----	----	1.8777 - 0.0640	----	----	14 UNCH
JUL21	----	----	1.8759 - 0.0632	----	----	14 UNCH
AUG21	----	----	1.8766 - 0.0612	----	----	14 UNCH
SEP21	----	----	1.8773 - 0.0601	----	----	14 UNCH
OCT21	----	----	1.8779 - 0.0587	----	----	14 UNCH
NOV21	----	----	1.8772 - 0.0577	----	----	14 UNCH
DEC21	----	----	1.8752 - 0.0575	----	----	14 UNCH
TOTAL MP FUT					2061	9675 + 2008
RT FUT	NYMEX RBOB GASOLINE FUTURES					
JUN19	----	----	1.9133 - 0.0779	----	----	8 UNCH
JUL19	----	----	1.8910 - 0.0765	----	----	8 UNCH
AUG19	----	----	1.8562 - 0.0794	----	----	8 UNCH
SEP19	----	----	1.8213 - 0.0811	----	----	8 UNCH
OCT19	----	----	1.6684 - 0.0830	----	----	8 UNCH
NOV19	----	----	1.6339 - 0.0814	----	----	8 UNCH
DEC19	----	----	1.6077 - 0.0810	----	----	8 UNCH
JAN20	----	----	1.5975 - 0.0809	----	----	5 UNCH
FEB20	----	----	1.5995 - 0.0806	----	----	5 UNCH
MAR20	----	----	1.6112 - 0.0809	----	----	5 UNCH
APR20	----	----	1.7865 - 0.0803	----	----	5 UNCH
MAY20	----	----	1.7971 - 0.0800	----	----	5 UNCH
JUN20	----	----	1.7925 - 0.0792	----	----	5 UNCH
JUL20	----	----	1.7766 - 0.0791	----	----	5 UNCH
AUG20	----	----	1.7536 - 0.0786	----	----	5 UNCH
SEP20	----	----	1.7229 - 0.0775	----	----	5 UNCH
OCT20	----	----	1.5884 - 0.0766	----	----	5 UNCH
NOV20	----	----	1.5594 - 0.0765	----	----	5 UNCH
DEC20	----	----	1.5437 - 0.0742	----	----	5 UNCH
TOTAL RT FUT						116
SF3 FUT	NYM-SINGAPORE FUEL OIL 380CST CRK S					
MAY19	----	----	-6.660 + 0.115	----	----	44 UNCH
JUN19	----	----	-5.910 + 0.636	----	----	44 UNCH
TOTAL SF3 FUT						88
3G FUT	PREMIUM UNLD 10P FOB MED					
MAY19	----	----	659.891 - 9.309	----	----	37 UNCH
JUN19	----	----	634.652 - 27.420	----	----	50 UNCH
JUL19	----	----	615.380 - 29.300	----	----	30 UNCH
AUG19	----	----	597.768 - 29.144	----	----	30 UNCH
SEP19	----	----	582.923 - 29.217	----	----	30 UNCH
OCT19	----	----	581.763 - 28.305	----	----	25 UNCH
NOV19	----	----	570.643 - 28.407	----	----	25 UNCH
DEC19	----	----	565.060 - 28.158	----	----	25 UNCH
TOTAL 3G FUT						252
RL FUT	RBOB CALENDAR FUTURE					
MAY19	----	----	1.9798 - 0.0213	----	----	3986 UNCH
JUN19	----	----	1.8910 - 0.0765	----	42	2406 UNCH
JUL19	----	----	1.8562 - 0.0794	----	----	881 UNCH
AUG19	----	----	1.8213 - 0.0811	----	----	506 UNCH
SEP19	----	----	1.6684 - 0.0830	----	----	1178 UNCH
OCT19	----	----	1.6339 - 0.0814	----	----	2065 UNCH
NOV19	----	----	1.6077 - 0.0810	----	----	1793 UNCH
DEC19	----	----	1.5975 - 0.0809	----	----	1630 UNCH
JAN20	----	----	1.5995 - 0.0806	----	----	496 UNCH
FEB20	----	----	1.6112 - 0.0809	----	----	455 UNCH
MAR20	----	----	1.7865 - 0.0803	----	----	33 UNCH
APR20	----	----	1.7971 - 0.0800	----	----	3 UNCH
MAY20	----	----	1.7925 - 0.0792	----	----	3 UNCH

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RL FUT	ROBOB CALENDAR FUTURE	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
JUN20	----	----	----	1.7766 - 0.0791	----	----	3	UNCH
JUL20	----	----	----	1.7536 - 0.0786	----	----	3	UNCH
AUG20	----	----	----	1.7229 - 0.0775	----	----	3	UNCH
SEP20	----	----	----	1.5884 - 0.0766	----	----	3	UNCH
OCT20	----	----	----	1.5594 - 0.0765	----	----	3	UNCH
NOV20	----	----	----	1.5437 - 0.0742	----	----	3	UNCH
DEC20	----	----	----	1.5432 - 0.0742	----	----	3	UNCH
JAN21	----	----	----	1.5552 - 0.0742	----	----	3	UNCH
FEB21	----	----	----	1.5704 - 0.0742	----	----	3	UNCH
MAR21	----	----	----	1.7482 - 0.0742	----	----	3	UNCH
APR21	----	----	----	1.7592 - 0.0742	----	----	3	UNCH
MAY21	----	----	----	1.7496 - 0.0742	----	----	3	UNCH
JUN21	----	----	----	1.7331 - 0.0742	----	----	3	UNCH
JUL21	----	----	----	1.7055 - 0.0742	----	----	3	UNCH
AUG21	----	----	----	1.6769 - 0.0742	----	----	3	UNCH
SEP21	----	----	----	1.5470 - 0.0742	----	----	3	UNCH
OCT21	----	----	----	1.5141 - 0.0742	----	----	3	UNCH
NOV21	----	----	----	1.4907 - 0.0742	----	----	3	UNCH
DEC21	----	----	----	1.4889 - 0.0742	----	----	3	UNCH
TOTAL RL FUT						42	15492	
RM FUT	ROBOB CRACK SPREAD							
MAY19	----	----	----	22.15 + 0.05	----	----	588	UNCH
JUN19	----	----	----	21.49 + 0.29	----	----	808	UNCH
JUL19	----	----	----	19.97 + 0.16	----	----	1188	UNCH
AUG19	----	----	----	18.53 + 0.07	----	----	488	UNCH
SEP19	----	----	----	12.20 - 0.04	----	----	438	UNCH
OCT19	----	----	----	10.91 UNCH	----	----	383	UNCH
NOV19	----	----	----	10.02 - 0.03	----	----	383	UNCH
DEC19	----	----	----	9.85 - 0.06	----	----	383	UNCH
JAN20	----	----	----	10.20 - 0.11	----	----	80	UNCH
FEB20	----	----	----	10.94 - 0.17	----	----	80	UNCH
MAR20	----	----	----	18.56 - 0.21	----	----	80	UNCH
APR20	----	----	----	19.27 - 0.24	----	----	30	UNCH
MAY20	----	----	----	19.35 - 0.26	----	----	30	UNCH
JUN20	----	----	----	18.93 - 0.32	----	----	30	UNCH
JUL20	----	----	----	18.23 - 0.37	----	----	30	UNCH
AUG20	----	----	----	17.17 - 0.37	----	----	30	UNCH
TOTAL RM FUT							5049	
1E FUT	ROBOB CRACK SPREAD BALMO							
02MAY19	----	----	----	22.11 + 0.07	----	----	25	UNCH
TOTAL 1E FUT							25	
EXR FUT	ROBOB GAS VS EUROBOB(ARGUS) NWE BRGS							
MAY19	----	----	----	-0.0303 + 0.0029	----	----	1115	UNCH
JUN19	----	----	----	-0.0531 - 0.0024	----	26	741 + 5	
JUL19	----	----	----	0.0258 + 0.0015	----	15	433 + 10	
AUG19	----	----	----	0.0384 - 0.0006	----	----	308	UNCH
SEP19	----	----	----	-0.0749 - 0.0023	----	----	265	UNCH
OCT19	----	----	----	-0.0089 - 0.0005	----	----	387	UNCH
NOV19	----	----	----	-0.0034 + 0.0001	----	----	299	UNCH
DEC19	----	----	----	0.0024 - 0.0004	----	----	311	UNCH
TOTAL EXR FUT						41	3859 + 15	
RBB FUT	ROBOB GAS VS. BRENT CRCK SPRD							
MAY19	----	----	----	13.041 + 0.100	----	----	3325	UNCH
JUN19	----	----	----	12.969 + 0.281	----	----	3721	UNCH
JUL19	----	----	----	12.429 + 0.235	----	----	1456	UNCH
AUG19	----	----	----	11.626 + 0.174	----	----	1431	UNCH
SEP19	----	----	----	5.670 + 0.093	----	----	1331	UNCH
OCT19	----	----	----	4.568 + 0.139	----	----	1513	UNCH
NOV19	----	----	----	3.787 + 0.117	----	----	1513	UNCH
DEC19	----	----	----	3.670 + 0.097	----	----	1513	UNCH
JAN20	----	----	----	3.999 + 0.061	----	----	582	UNCH
FEB20	----	----	----	4.721 - 0.022	----	----	582	UNCH
MAR20	----	----	----	12.314 - 0.066	----	----	582	UNCH
APR20	----	----	----	12.999 - 0.113	----	----	401	UNCH
MAY20	----	----	----	13.045 - 0.139	----	----	401	UNCH
JUN20	----	----	----	12.587 - 0.206	----	----	401	UNCH
JUL20	----	----	----	11.851 - 0.254	----	----	326	UNCH
AUG20	----	----	----	10.794 - 0.282	----	----	326	UNCH
SEP20	----	----	----	5.364 - 0.310	----	----	326	UNCH
OCT20	----	----	----	4.394 - 0.355	----	----	338	UNCH
NOV20	----	----	----	3.924 - 0.320	----	----	338	UNCH
DEC20	----	----	----	4.099 - 0.384	----	----	338	UNCH
TOTAL RBB FUT							20744	

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1D FUT	RBOB GASOLINE BALMO CLNDR							
02MAY19	----	----	1.9758 - 0.0223		----	----	10	UNCH
03MAY19	----	----	1.9737 - 0.0234		----	----	75	UNCH
16MAY19	----	----	1.9645 - 0.0425		----	----	120	UNCH
22MAY19	----	----	1.9244 - 0.0668		----	----	39	UNCH
TOTAL 1D FUT							244	
RH FUT	RBOB VS HEATING OIL							
JUL19	----	----	-0.1101 + 0.0087		----	----	25	UNCH
AUG19	----	----	-0.1516 + 0.0065		----	----	25	UNCH
SEP19	----	----	-0.3108 + 0.0038		----	----	25	UNCH
TOTAL RH FUT							75	
BFR FUT	RME BIO ARGUS RDM RED VS ICS GAS							
MAY19	----	----	253.113 + 3.205		----	----	20	UNCH
JUN19	----	----	267.500 + 22.500		----	----	20	UNCH
TOTAL BFR FUT							40	
EVC FUT	SING 380 FUEL OIL VS FUEL OIL ROTDM							
MAY19	----	----	14.41 - 0.37		----	----	285	UNCH
JUN19	----	----	18.02 + 0.20		----	10	370 +	10
JUL19	----	----	20.13 + 0.38		----	----	288	UNCH
AUG19	----	----	22.38 + 0.43		----	----	293	UNCH
SEP19	----	----	25.06 + 0.36		----	----	453	UNCH
OCT19	----	----	27.25 + 0.30		----	----	211	UNCH
NOV19	----	----	28.04 + 0.22		----	----	142	UNCH
DEC19	----	----	28.00 - 0.10		----	----	260	UNCH
JAN20	----	----	28.25 + 0.10		----	----	31	UNCH
FEB20	----	----	27.75 + 0.10		----	----	61	UNCH
MAR20	----	----	27.25 + 0.10		----	----	46	UNCH
APR20	----	----	26.96 - 0.09		----	----	54	UNCH
MAY20	----	----	26.17 - 0.16		----	----	54	UNCH
JUN20	----	----	25.34 + 0.01		----	----	54	UNCH
JUL20	----	----	24.13 + 0.18		----	----	35	UNCH
AUG20	----	----	22.42 + 0.35		----	----	35	UNCH
SEP20	----	----	22.28 + 0.35		----	----	35	UNCH
OCT20	----	----	21.51 + 0.35		----	----	26	UNCH
NOV20	----	----	20.00 + 0.35		----	----	26	UNCH
DEC20	----	----	19.01 + 0.47		----	----	26	UNCH
TOTAL EVC FUT						10	2785 +	10
BS FUT	SINGAPORE 180CST BALMO							
08MAY19	----	----	414.578 - 6.659		----	----	10	UNCH
TOTAL BS FUT							10	
BT FUT	SINGAPORE 380CST BALMO							
07MAY19	----	----	401.046 - 6.514		----	----	6	UNCH
08MAY19	----	----	400.385 - 6.897		----	----	7	UNCH
09MAY19	----	----	400.065 - 7.328		----	----	7	UNCH
13MAY19	----	----	398.626 - 8.376		----	----	1	UNCH
14MAY19	----	----	397.508 - 9.019		----	----	1	UNCH
15MAY19	----	----	397.528 - 9.772		----	----	3	UNCH
TOTAL BT FUT							25	
SE FUT	SINGAPORE 380CST FUEL OIL							
MAY19	----	----	402.91 - 5.58		----	----	1285	UNCH
JUN19	----	----	384.45 - 18.15		----	158	1139 +	114
JUL19	----	----	381.05 - 19.01		----	16	474 -	1
AUG19	----	----	374.82 - 19.82		----	90	544 +	25
SEP19	----	----	366.99 - 20.61		----	11	372 +	5
OCT19	----	----	357.35 - 21.49		----	----	351	UNCH
NOV19	----	----	347.81 - 22.12		----	----	137	UNCH
DEC19	----	----	338.51 - 23.27		----	----	251	UNCH
JAN20	----	----	331.20 - 22.98		----	----	157	UNCH
FEB20	----	----	326.70 - 22.98		----	----	103	UNCH
MAR20	----	----	323.95 - 22.85		----	----	106	UNCH
APR20	----	----	321.66 - 22.92		----	----	40	UNCH
MAY20	----	----	319.37 - 22.98		----	----	41	UNCH
JUN20	----	----	317.41 - 22.81		----	----	40	UNCH
JUL20	----	----	315.45 - 22.64		----	----	26	UNCH
AUG20	----	----	313.49 - 22.48		----	----	25	UNCH
SEP20	----	----	313.48 - 22.48		----	----	25	UNCH
OCT20	----	----	313.46 - 22.48		----	----	9	UNCH
NOV20	----	----	313.45 - 22.48		----	----	9	UNCH
DEC20	----	----	314.71 - 22.36		----	----	39	UNCH
TOTAL SE FUT						275	5173 +	143
UA FUT	SINGAPORE FUEL 180CST CAL							
MAY19	----	----	416.96 - 5.39		----	----	264	UNCH
JUN19	----	----	397.28 - 17.76		----	19	272 -	4
JUL19	----	----	392.67 - 18.88		----	----	9	UNCH

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UA FUT	SINGAPORE FUEL 180CST CAL							
AUG19	----	----	386.44 - 19.69		----	----	9	UNCH
SEP19	----	----	378.68 - 20.55		----	----	9	UNCH
OCT19	----	----	369.22 - 21.28		----	----	2	UNCH
NOV19	----	----	359.90 - 22.04		----	----	2	UNCH
DEC19	----	----	351.01 - 23.15		----	----	2	UNCH
TOTAL UA FUT						19	569 -	4
SD FUT	SINGAPORE FUEL OIL SPREAD							
MAY19	----	----	14.04 + 0.19		----	----	30	UNCH
JUN19	----	----	12.83 + 0.40		----	----	45	UNCH
JUL19	----	----	11.63 + 0.13		----	----	25	UNCH
AUG19	----	----	11.63 + 0.13		----	----	20	UNCH
SEP19	----	----	11.69 + 0.06		----	----	20	UNCH
OCT19	----	----	11.88 + 0.21		----	----	10	UNCH
NOV19	----	----	12.08 + 0.08		----	----	10	UNCH
DEC19	----	----	12.50 + 0.13		----	----	10	UNCH
TOTAL SD FUT								170
SG FUT	SINGAPORE GASOIL							
MAY19	----	----	82.75 - 0.96		----	----	1238	UNCH
JUN19	----	----	80.27 - 3.27		----	55	455 +	55
JUL19	----	----	80.18 - 3.24		----	----	35	UNCH
DEC19	----	----	80.06 - 3.30		----	----	100	UNCH
TOTAL SG FUT						55	1828 +	55
VU FUT	SINGAPORE GASOIL BALMO							
07MAY19	----	----	82.659 - 1.123		----	----	50	UNCH
TOTAL VU FUT								50
GA FUT	SINGAPORE GASOIL VS ICE							
MAY19	----	----	-2.09 + 0.06		----	----	2260	UNCH
JUN19	----	----	-1.23 + 0.09		----	----	2260	UNCH
JUL19	----	----	-1.34 + 0.11		----	----	1110	UNCH
AUG19	----	----	-1.34 + 0.06		----	----	1110	UNCH
SEP19	----	----	-1.35 + 0.02		----	----	1110	UNCH
OCT19	----	----	-1.25 - 0.01		----	----	400	UNCH
NOV19	----	----	-1.11 + 0.04		----	----	400	UNCH
DEC19	----	----	-1.12 + 0.05		----	----	500	UNCH
JAN20	----	----	-1.30 + 0.07		----	----	475	UNCH
FEB20	----	----	-1.43 + 0.03		----	----	475	UNCH
MAR20	----	----	-1.45 - 0.00		----	----	475	UNCH
APR20	----	----	-0.99 + 0.00		----	----	425	UNCH
MAY20	----	----	-0.99 + 0.00		----	----	425	UNCH
JUN20	----	----	-0.99 + 0.00		----	----	425	UNCH
JUL20	----	----	-1.11 + 0.04		----	----	500	UNCH
AUG20	----	----	-1.11 + 0.05		----	----	500	UNCH
SEP20	----	----	-1.11 + 0.05		----	----	500	UNCH
OCT20	----	----	-1.28 + 0.03		----	----	475	UNCH
NOV20	----	----	-1.28 + 0.03		----	----	475	UNCH
DEC20	----	----	-1.28 + 0.03		----	----	475	UNCH
TOTAL GA FUT								14775
RK FUT	SINGAPORE JET KERO GASOIL							
MAY19	----	----	-1.285 - 0.028		----	----	710	UNCH
JUN19	----	----	-1.105 + 0.075		----	----	710	UNCH
JUL19	----	----	-0.795 + 0.070		----	----	725	UNCH
AUG19	----	----	-0.775 + 0.075		----	----	725	UNCH
SEP19	----	----	-0.775 + 0.075		----	----	725	UNCH
OCT19	----	----	-0.795 + 0.085		----	----	450	UNCH
NOV19	----	----	-0.780 + 0.040		----	----	450	UNCH
DEC19	----	----	-0.770 - 0.030		----	----	450	UNCH
TOTAL RK FUT								4945
KS FUT	SINGAPORE JET KEROSENE							
MAY19	----	----	81.47 - 0.99		----	----	540	UNCH
JUN19	----	----	79.16 - 3.19		----	----	425	UNCH
JUL19	----	----	79.38 - 3.17		----	----	150	UNCH
AUG19	----	----	79.57 - 3.20		----	----	150	UNCH
NOV19	----	----	79.59 - 3.25		----	----	125	UNCH
TOTAL KS FUT								1390
STR FUT	SPORE FUEL OIL 180CST 6.35 CK							
JUL19	----	----	-3.693 + 0.596		----	----	75	UNCH
AUG19	----	----	-4.012 + 0.479		----	----	75	UNCH
SEP19	----	----	-4.769 + 0.343		----	----	75	UNCH
OCT19	----	----	-5.911 + 0.206		----	----	75	UNCH
NOV19	----	----	-7.060 + 0.049		----	----	75	UNCH
DEC19	----	----	-8.147 - 0.150		----	----	75	UNCH
JAN20	----	----	-8.582 - 0.173		----	----	20	UNCH
FEB20	----	----	-9.059 - 0.242		----	----	20	UNCH

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STR FUT	SPORE	FUEL	OIL	180CST	6.35 CK				
MAR20	----	----	----	----	----	-9.262 -	0.291	----	20 UNCH
APR20	----	----	----	----	----	-9.383 -	0.362	----	20 UNCH
MAY20	----	----	----	----	----	-9.505 -	0.432	----	20 UNCH
JUN20	----	----	----	----	----	-9.573 -	0.477	----	20 UNCH
JUL20	----	----	----	----	----	-9.620 -	0.518	----	20 UNCH
AUG20	----	----	----	----	----	-9.666 -	0.566	----	20 UNCH
SEP20	----	----	----	----	----	-9.454 -	0.632	----	20 UNCH
OCT20	----	----	----	----	----	-9.212 -	0.681	----	20 UNCH
NOV20	----	----	----	----	----	-9.029 -	0.742	----	20 UNCH
DEC20	----	----	----	----	----	-8.579 -	0.788	----	20 UNCH
TOTAL STR FUT									690
STS FUT	SPORE	FUEL	OIL	180CST	6.35 DUBAI CK				
MAY19	----	----	----	----	----	-3.708 +	0.282	----	30 UNCH
JUN19	----	----	----	----	----	-2.352 +	1.126	----	30 UNCH
JUL19	----	----	----	----	----	-1.981 +	0.885	----	21 UNCH
AUG19	----	----	----	----	----	-2.241 +	0.670	----	21 UNCH
SEP19	----	----	----	----	----	-2.936 +	0.495	----	21 UNCH
OCT19	----	----	----	----	----	-3.995 +	0.358	----	20 UNCH
NOV19	----	----	----	----	----	-5.014 +	0.231	----	41 UNCH
DEC19	----	----	----	----	----	-5.975 +	0.063	----	41 UNCH
TOTAL STS FUT									225
1NB FUT	SPORE	MOGAS92	UNLD	BRENT	SPRD				
MAY19	----	----	----	----	----	4.647 -	0.212	----	774 UNCH
JUN19	----	----	----	----	----	4.348 -	0.318	----	916 UNCH
JUL19	----	----	----	----	----	4.333 -	0.267	----	310 UNCH
AUG19	----	----	----	----	----	4.186 -	0.219	----	310 UNCH
SEP19	----	----	----	----	----	3.936 -	0.153	----	610 UNCH
OCT19	----	----	----	----	----	3.754 -	0.184	----	150 UNCH
TOTAL 1NB FUT									3070
1L FUT	ULSD	UP-DOWN	BALMO						
02MAY19	----	----	----	----	----	-0.0502 -	0.0004	----	800 UNCH
03MAY19	----	----	----	----	----	-0.0503 -	0.0005	----	500 UNCH
06MAY19	----	----	----	----	----	-0.0505 -	0.0005	----	125 UNCH
07MAY19	----	----	----	----	----	-0.0508 -	0.0005	----	950 UNCH
09MAY19	----	----	----	----	----	-0.0510 -	0.0006	----	300 UNCH
10MAY19	----	----	----	----	----	-0.0511 -	0.0007	----	50 UNCH
13MAY19	----	----	----	----	----	-0.0510 -	0.0007	----	275 UNCH
14MAY19	----	----	----	----	----	-0.0509 -	0.0007	----	100 UNCH
15MAY19	----	----	----	----	----	-0.0508 -	0.0009	----	900 UNCH
16MAY19	----	----	----	----	----	-0.0508 -	0.0009	----	400 UNCH
22MAY19	----	----	----	----	----	-0.0514 -	0.0014	----	25 UNCH
TOTAL 1L FUT									4425
LT FUT	UP	DOWN	GC	ULSD	VS NMX	HO	SPRD		
MAY19	----	----	----	----	----	----	----	8118	UNCH
JUN19	----	----	----	----	----	-0.0495 +	0.0005	1560	8999 + 84
JUL19	----	----	----	----	----	-0.0500	UNCH	700	4958 + 309
AUG19	----	----	----	----	----	-0.0490	UNCH	----	4548 UNCH
SEP19	----	----	----	----	----	-0.0485	UNCH	100	4637 UNCH
OCT19	----	----	----	----	----	-0.0575	UNCH	300	3583 + 192
NOV19	----	----	----	----	----	-0.0700	UNCH	300	3045 + 40
DEC19	----	----	----	----	----	-0.0825 -	0.0025	300	2962 - 11
JAN20	----	----	----	----	----	-0.0625 +	0.0025	23	447 + 23
FEB20	----	----	----	----	----	-0.0500 +	0.0025	23	447 + 23
MAR20	----	----	----	----	----	-0.0400	UNCH	23	447 + 23
APR20	----	----	----	----	----	-0.0475	UNCH	23	360 + 23
MAY20	----	----	----	----	----	-0.0475	UNCH	23	360 + 23
JUN20	----	----	----	----	----	-0.0475	UNCH	23	360 + 23
JUL20	----	----	----	----	----	-0.0450	UNCH	23	325 + 23
AUG20	----	----	----	----	----	-0.0450	UNCH	23	325 + 23
SEP20	----	----	----	----	----	-0.0450	UNCH	23	325 + 23
OCT20	----	----	----	----	----	-0.0450	UNCH	23	325 + 23
NOV20	----	----	----	----	----	-0.0550	UNCH	23	325 + 23
DEC20	----	----	----	----	----	-0.0825	UNCH	23	325 + 23
JAN21	----	----	----	----	----	-0.0625 +	0.0025	----	26 UNCH
FEB21	----	----	----	----	----	-0.0500 +	0.0025	----	26 UNCH
MAR21	----	----	----	----	----	-0.0400	UNCH	----	26 UNCH
APR21	----	----	----	----	----	-0.0475	UNCH	----	26 UNCH
MAY21	----	----	----	----	----	-0.0475	UNCH	----	26 UNCH
JUN21	----	----	----	----	----	-0.0475	UNCH	----	26 UNCH
JUL21	----	----	----	----	----	-0.0475	UNCH	----	26 UNCH
AUG21	----	----	----	----	----	-0.0475	UNCH	----	26 UNCH
SEP21	----	----	----	----	----	-0.0475	UNCH	----	26 UNCH
OCT21	----	----	----	----	----	-0.0475	UNCH	----	26 UNCH

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ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	GLOBEX OPEN		GLOBEX HIGH/LOW		SETT. PRICE & PT. CHGE		GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST			
LT FUT	UP	DOWN	GC	ULSD	VS	NMX	HO	SPRD				
NOV21			----			----			-0.0475	UNCH	26	UNCH
DEC21			----			----			-0.0475	UNCH	26	UNCH
JAN22			----			----			-0.0475	UNCH	2	UNCH
FEB22			----			----			-0.0475	UNCH	2	UNCH
MAR22			----			----			-0.0475	UNCH	2	UNCH
APR22			----			----			-0.0475	UNCH	2	UNCH
MAY22			----			----			-0.0475	UNCH	2	UNCH
JUN22			----			----			-0.0475	UNCH	2	UNCH
JUL22			----			----			-0.0475	UNCH	2	UNCH
AUG22			----			----			-0.0475	UNCH	2	UNCH
SEP22			----			----			-0.0475	UNCH	2	UNCH
OCT22			----			----			-0.0475	UNCH	2	UNCH
NOV22			----			----			-0.0475	UNCH	2	UNCH
DEC22			----			----			-0.0475	UNCH	2	UNCH
TOTAL LT FUT											3536	45557 + 890

H5G FUT	USGC MARINE FUEL 0.5% (PLATTS) VS.		SETT. PRICE & PT. CHGE		GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
JAN20			28.02	+ 0.14	----	----	5	UNCH
FEB20			28.71	+ 0.19	----	----	5	UNCH
MAR20			28.84	+ 0.15	----	----	5	UNCH
APR20			28.49	+ 0.18	----	----	5	UNCH
MAY20			28.51	+ 0.24	----	----	5	UNCH
JUN20			28.62	+ 0.28	----	----	5	UNCH
JUL20			28.78	+ 0.32	----	----	5	UNCH
AUG20			28.84	+ 0.39	----	----	5	UNCH
SEP20			28.79	+ 0.41	----	----	5	UNCH
OCT20			28.66	+ 0.42	----	----	5	UNCH
NOV20			28.02	+ 0.43	----	----	5	UNCH
DEC20			26.70	+ 0.48	----	----	5	UNCH
TOTAL H5G FUT							60	

NGL/PETROCHEM FUTURES PRODUCTS

	GLOBEX OPEN		GLOBEX HIGH/LOW		SETT. PRICE & PT. CHGE		GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST			
91 FUT	ARGS	FAR	E	NDX	VS	EUR	CIF	ARA				
MAY19			----			----			63.834	+ 0.494	109	UNCH
JUN19			----			----			49.300	+ 0.260	90	UNCH
JUL19			----			----			44.300	+ 0.260	72	UNCH
AUG19			----			----			42.050	+ 0.510	51	UNCH
SEP19			----			----			41.550	+ 0.510	49	UNCH
OCT19			----			----			41.300	+ 0.510	97	UNCH
NOV19			----			----			41.050	+ 0.510	103	UNCH
DEC19			----			----			40.050	+ 0.510	105	UNCH
JAN20			----			----			40.050	+ 0.510	56	UNCH
FEB20			----			----			40.050	+ 0.510	56	UNCH
MAR20			----			----			40.050	+ 0.510	56	UNCH
APR20			----			----			40.050	+ 0.510	5	UNCH
MAY20			----			----			40.050	+ 0.510	5	UNCH
JUN20			----			----			40.050	+ 0.510	5	UNCH
JUL20			----			----			40.050	+ 0.510	2	UNCH
AUG20			----			----			40.050	+ 0.510	2	UNCH
SEP20			----			----			40.050	+ 0.510	2	UNCH
OCT20			----			----			40.050	+ 0.510	2	UNCH
NOV20			----			----			40.300	+ 0.510	2	UNCH
DEC20			----			----			40.550	+ 0.510	2	UNCH
TOTAL 91 FUT											871	

7E FUT	ARGUS PROPAN FAR EST INDEX		SETT. PRICE & PT. CHGE		GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
MAY19			469.210	- 5.672	----	----	815	UNCH
JUN19			418.229	- 18.959	----	134	967 - 38	
JUL19			414.631	- 19.829	----	72	715 UNCH	
AUG19			417.103	- 19.655	----	30	485 + 4	
SEP19			421.789	- 19.280	----	23	325 + 17	
OCT19			426.885	- 18.871	----	13	261 + 10	
NOV19			431.712	- 18.753	----	13	277 + 2	
DEC19			435.655	- 18.986	----	13	375 - 5	
JAN20			438.604	- 18.875	----	----	82 UNCH	
FEB20			434.515	- 18.907	----	----	126 UNCH	
MAR20			421.395	- 19.165	----	----	127 UNCH	
APR20			409.435	- 19.502	----	----	66 UNCH	
MAY20			404.411	- 19.301	----	----	70 UNCH	
JUN20			403.371	- 19.451	----	----	85 UNCH	
JUL20			406.129	- 19.685	----	----	50 UNCH	
AUG20			409.895	- 19.797	----	----	50 UNCH	

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ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	GLOBEX OPEN		GLOBEX HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
7E FUT	ARGUS	PROPAN	FAR EST	INDEX				
SEP20	----	----	----	----	414.033	- 19.766	----	42 UNCH
OCT20	----	----	----	----	417.799	- 19.900	----	40 UNCH
NOV20	----	----	----	----	422.445	- 19.280	----	40 UNCH
DEC20	----	----	----	----	426.860	- 18.876	----	40 UNCH
TOTAL 7E FUT							298	5038 - 10
9N FUT	ARGUS	PROPAN(SAUDI	ARAMCO)					
JUN19	----	----	----	----	417.229	- 5.959	----	104 781 + 15
JUL19	----	----	----	----	393.631	- 20.329	----	42 333 - 2
AUG19	----	----	----	----	397.603	- 17.155	----	3 233 + 3
SEP19	----	----	----	----	401.289	- 15.780	----	15 184 + 5
OCT19	----	----	----	----	405.135	- 15.371	----	111 UNCH
NOV19	----	----	----	----	408.962	- 15.003	----	106 UNCH
DEC19	----	----	----	----	412.905	- 14.736	----	108 UNCH
JAN20	----	----	----	----	416.354	- 14.625	----	7 UNCH
TOTAL 9N FUT							164	1863 + 21
22 FUT	ARGUS	PROPANE	FAR E	INDX BALMO				
03MAY19	----	----	----	----	468.158	- 5.955	----	69 UNCH
06MAY19	----	----	----	----	468.035	- 6.268	----	5 UNCH
07MAY19	----	----	----	----	467.537	- 6.617	----	7 UNCH
08MAY19	----	----	----	----	466.230	- 7.006	----	6 UNCH
09MAY19	----	----	----	----	465.229	- 7.444	----	45 UNCH
10MAY19	----	----	----	----	463.745	- 7.939	----	10 UNCH
13MAY19	----	----	----	----	461.387	- 8.507	----	5 UNCH
14MAY19	----	----	----	----	456.840	- 9.161	----	11 UNCH
15MAY19	----	----	----	----	452.660	- 9.925	----	11 UNCH
16MAY19	----	----	----	----	448.811	- 10.827	----	2 UNCH
21MAY19	----	----	----	----	440.185	- 13.233	----	2 UNCH
22MAY19	----	----	----	----	436.115	- 14.887	----	2 UNCH
TOTAL 22 FUT								175
8L FUT	CONWAY	NAT	GASOLINE					
MAY19	----	----	----	----	1.17543	- 0.01835	----	238 UNCH
JUN19	----	----	----	----	1.12750	- 0.06625	----	152 UNCH
JUL19	----	----	----	----	1.12750	- 0.06625	----	2 151 UNCH
AUG19	----	----	----	----	1.12750	- 0.06625	----	2 151 UNCH
SEP19	----	----	----	----	1.12750	- 0.06625	----	2 146 UNCH
OCT19	----	----	----	----	1.12750	- 0.06625	----	2 134 + 2
NOV19	----	----	----	----	1.12750	- 0.06625	----	2 134 + 2
DEC19	----	----	----	----	1.12750	- 0.06625	----	2 134 + 2
TOTAL 8L FUT							12	1240 + 6
8M FUT	CONWAY	NORMAL	BUTANE					
MAY19	----	----	----	----	0.53994	- 0.00625	----	140 UNCH
JUN19	----	----	----	----	0.50250	- 0.02250	----	140 UNCH
JUL19	----	----	----	----	0.51750	- 0.02250	----	45 UNCH
AUG19	----	----	----	----	0.53250	- 0.02250	----	30 UNCH
SEP19	----	----	----	----	0.55500	- 0.02250	----	50 UNCH
OCT19	----	----	----	----	0.57000	- 0.02250	----	35 UNCH
NOV19	----	----	----	----	0.58500	- 0.02250	----	47 UNCH
DEC19	----	----	----	----	0.60000	- 0.02250	----	48 UNCH
JAN20	----	----	----	----	0.60000	- 0.02250	----	47 UNCH
FEB20	----	----	----	----	0.59500	- 0.02250	----	30 UNCH
MAR20	----	----	----	----	0.56000	- 0.02250	----	30 UNCH
APR20	----	----	----	----	0.52750	- 0.02250	----	10 UNCH
MAY20	----	----	----	----	0.52000	- 0.02250	----	10 UNCH
JUN20	----	----	----	----	0.51500	- 0.02250	----	10 UNCH
JUL20	----	----	----	----	0.52125	- 0.02250	----	10 UNCH
AUG20	----	----	----	----	0.52875	- 0.02250	----	10 UNCH
SEP20	----	----	----	----	0.53625	- 0.02250	----	10 UNCH
OCT20	----	----	----	----	0.54375	- 0.02250	----	10 UNCH
NOV20	----	----	----	----	0.55125	- 0.02250	----	10 UNCH
DEC20	----	----	----	----	0.55875	- 0.02250	----	10 UNCH
TOTAL 8M FUT								732
CPB FUT	CONWAY	PROPANE (OPIS)	BALMO					
03MAY19	----	----	----	----	0.51447	- 0.00356	----	25 UNCH
14MAY19	----	----	----	----	0.50505	- 0.00548	----	25 UNCH
TOTAL CPB FUT								50
8K FUT	CONWAY	PROPANE 5	DEC.					
MAY19	----	----	----	----	0.51591	- 0.00324	----	2976 UNCH
JUN19	----	----	----	----	0.48750	- 0.01313	----	305 2939 + 59
JUL19	----	----	----	----	0.49188	- 0.01437	----	94 1814 + 84
AUG19	----	----	----	----	0.51063	- 0.01437	----	89 1629 + 49
SEP19	----	----	----	----	0.53125	- 0.01438	----	89 1979 + 69
OCT19	----	----	----	----	0.55813	- 0.01250	----	58 1547 UNCH
NOV19	----	----	----	----	0.57938	- 0.01250	----	158 1248 + 21

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	LOBEX OPEN	LOBEX HIGH/LOW	SETT. PRICE & PT. CHGE	LOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
8K FUT	CONWAY PROPANE 5 DEC.						
DEC19	----	----	0.59875 - 0.01063	----	53	1736 +	1
JAN20	----	----	0.60875 - 0.01000	----	131	1035 +	68
FEB20	----	----	0.60688 - 0.00875	----	131	708 +	68
MAR20	----	----	0.57938 - 0.00812	----	111	719 +	61
APR20	----	----	0.55438 - 0.01062	----	3	135 -	3
MAY20	----	----	0.54688 - 0.00937	----	3	135 -	3
JUN20	----	----	0.54438 - 0.01062	----	3	135 -	3
JUL20	----	----	0.55188 - 0.01062	----	3	159 -	3
AUG20	----	----	0.56063 - 0.01062	----	3	159 -	3
SEP20	----	----	0.57063 - 0.01062	----	3	169 -	3
OCT20	----	----	0.58125 - 0.01063	----	3	187 -	3
NOV20	----	----	0.59125 - 0.01063	----	3	187 -	3
DEC20	----	----	0.60000 - 0.01063	----	3	187 -	3
JAN21	----	----	0.59652 - 0.01010	----	----	12	UNCH
FEB21	----	----	0.59652 - 0.01010	----	----	12	UNCH
MAR21	----	----	0.57152 - 0.01010	----	----	12	UNCH
APR21	----	----	0.54777 - 0.01010	----	----	7	UNCH
MAY21	----	----	0.54777 - 0.01010	----	----	7	UNCH
JUN21	----	----	0.54777 - 0.01010	----	----	7	UNCH
JUL21	----	----	0.55277 - 0.01010	----	----	7	UNCH
AUG21	----	----	0.55777 - 0.01010	----	----	7	UNCH
SEP21	----	----	0.56277 - 0.01010	----	----	17	UNCH
OCT21	----	----	0.56777 - 0.01010	----	----	17	UNCH
NOV21	----	----	0.57277 - 0.01010	----	----	17	UNCH
DEC21	----	----	0.57777 - 0.01010	----	----	7	UNCH
TOTAL 8K FUT					1246	19912 +	453
32 FUT	EUR PROPANE CIF ARA ARGUS BALMO						
02MAY19	----	----	404.07 - 6.47	----	----	2	UNCH
07MAY19	----	----	402.05 - 7.19	----	----	2	UNCH
08MAY19	----	----	400.76 - 7.62	----	----	10	UNCH
09MAY19	----	----	399.51 - 8.09	----	----	10	UNCH
10MAY19	----	----	398.34 - 8.64	----	----	3	UNCH
13MAY19	----	----	396.58 - 9.25	----	----	8	UNCH
16MAY19	----	----	386.83 - 11.77	----	----	4	UNCH
22MAY19	----	----	372.31 - 18.49	----	----	5	UNCH
23MAY19	----	----	369.02 - 21.59	----	----	5	UNCH
24MAY19	----	----	370.23 - NEW	----	1	1 +	1
TOTAL 32 FUT					1	50 +	1
PS FUT	EURO PROPANE CIF ARA						
MAY19	----	----	405.38 - 6.16	----	----	326	UNCH
JUN19	----	----	368.93 - 19.22	----	23	298 -	7
JUL19	----	----	370.33 - 20.09	----	17	190 +	3
AUG19	----	----	375.05 - 20.17	----	----	115	UNCH
SEP19	----	----	380.24 - 19.79	----	----	105	UNCH
OCT19	----	----	385.59 - 19.38	----	5	133 -	5
NOV19	----	----	390.66 - 19.26	----	5	153 -	5
DEC19	----	----	395.61 - 19.49	----	5	156 -	4
JAN20	----	----	398.55 - 19.39	----	2	106 +	2
FEB20	----	----	394.46 - 19.42	----	----	75	UNCH
MAR20	----	----	381.34 - 19.68	----	----	57	UNCH
APR20	----	----	369.38 - 20.02	----	----	50	UNCH
MAY20	----	----	364.36 - 19.81	----	----	46	UNCH
JUN20	----	----	363.32 - 19.96	----	----	28	UNCH
JUL20	----	----	366.08 - 20.19	----	----	15	UNCH
AUG20	----	----	369.84 - 20.31	----	----	15	UNCH
SEP20	----	----	373.98 - 20.28	----	----	15	UNCH
OCT20	----	----	377.75 - 20.41	----	----	14	UNCH
NOV20	----	----	382.15 - 19.79	----	----	13	UNCH
DEC20	----	----	386.31 - 19.39	----	----	13	UNCH
JAN21	----	----	388.88 - 19.39	----	----	4	UNCH
FEB21	----	----	384.79 - 19.39	----	----	4	UNCH
MAR21	----	----	372.24 - 19.39	----	----	4	UNCH
TOTAL PS FUT					57	1935 -	16
MPS FUT	MINI EURO PROPANE CIF ARA ARGUS FUT						
MAY19	----	----	405.38 - 6.16	----	----	55	UNCH
JUN19	----	----	368.93 - 19.22	----	----	65	UNCH
JUL19	----	----	370.33 - 20.09	----	----	25	UNCH
AUG19	----	----	375.05 - 20.17	----	----	15	UNCH
SEP19	----	----	380.24 - 19.79	----	----	15	UNCH
OCT19	----	----	385.59 - 19.38	----	----	15	UNCH
NOV19	----	----	390.66 - 19.26	----	----	15	UNCH
DEC19	----	----	395.61 - 19.49	----	----	25	UNCH
TOTAL MPS FUT						230	

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ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
8C FUT	MT BELIVIEU ETHANE BALMO						
15MAY19	----	----	0.22401 - 0.00412	----	----	25	UNCH
17MAY19	----	----	0.22425 - 0.00494	----	----	40	UNCH
21MAY19	----	----	0.22360 - 0.00617	----	----	30	UNCH
TOTAL 8C FUT						95	
80 FUT	MT BELIVIEU LDH PROPANE BALMO						
02MAY19	----	----	0.57313 - 0.01041	----	----	224	UNCH
03MAY19	----	----	0.57253 - 0.01094	----	----	1498	UNCH
06MAY19	----	----	0.57175 - 0.01151	----	----	540	UNCH
07MAY19	----	----	0.57090 - 0.01216	----	----	275	UNCH
08MAY19	----	----	0.57000 - 0.01287	----	----	70	UNCH
09MAY19	----	----	0.56836 - 0.01367	----	----	178	UNCH
10MAY19	----	----	0.56600 - 0.01459	----	----	105	UNCH
13MAY19	----	----	0.56241 - 0.01563	----	----	320	UNCH
14MAY19	----	----	0.55678 - 0.01683	----	----	68	UNCH
15MAY19	----	----	0.55125 - 0.01823	----	----	20	UNCH
17MAY19	----	----	0.54138 - 0.02187	----	----	75	UNCH
22MAY19	----	----	0.52438 - 0.03125	----	----	100	UNCH
TOTAL 80 FUT						3473	
R0 FUT	MT BELIVIEU NAT GASOLINE BALMO						
02MAY19	----	----	1.23232 - 0.02125	----	----	140	UNCH
03MAY19	----	----	1.23094 - 0.02231	----	----	80	UNCH
08MAY19	----	----	1.22397 - 0.02625	----	----	50	UNCH
15MAY19	----	----	1.20959 - 0.03718	----	----	100	UNCH
21MAY19	----	----	1.17375 - 0.05578	----	----	10	UNCH
TOTAL R0 FUT						380	
8J FUT	MT BELIVIEU NORMAL BUTANE BALM						
02MAY19	----	----	0.61890 - 0.01057	----	----	194	UNCH
03MAY19	----	----	0.61681 - 0.01110	----	----	70	UNCH
06MAY19	----	----	0.61520 - 0.01168	----	----	125	UNCH
07MAY19	----	----	0.61420 - 0.01233	----	----	250	UNCH
08MAY19	----	----	0.61327 - 0.01306	----	----	60	UNCH
09MAY19	----	----	0.61145 - 0.01386	----	----	118	UNCH
10MAY19	----	----	0.60896 - 0.01479	----	----	100	UNCH
13MAY19	----	----	0.60513 - 0.01585	----	----	30	UNCH
14MAY19	----	----	0.59957 - 0.01707	----	----	15	UNCH
15MAY19	----	----	0.59422 - 0.01849	----	----	220	UNCH
17MAY19	----	----	0.58519 - 0.02219	----	----	220	UNCH
20MAY19	----	----	0.58181 - 0.02465	----	----	175	UNCH
23MAY19	----	----	0.57625 - 0.03438	----	----	20	UNCH
TOTAL 8J FUT						1597	
C0 FUT	MT BELVIEU ETHANE 5-DCML (OPIS)						
MAY19	----	----	0.22500 - 0.00225	----	----	3054	UNCH
JUN19	----	----	0.22563 - 0.00687	----	90	3268 - 10	
JUL19	----	----	0.22375 - 0.00750	----	90	2908 + 90	
AUG19	----	----	0.23063 - 0.00750	----	----	2933	UNCH
SEP19	----	----	0.23813 - 0.00750	----	----	2467	UNCH
OCT19	----	----	0.24563 - 0.00750	----	30	2257 - 30	
NOV19	----	----	0.25313 - 0.00687	----	30	2257 - 30	
DEC19	----	----	0.25750 - 0.00688	----	30	2313 - 30	
JAN20	----	----	0.26063 - 0.00562	----	30	1227 + 30	
FEB20	----	----	0.26000 - 0.00375	----	30	1117 + 30	
MAR20	----	----	0.25500 - 0.00250	----	30	1132 + 30	
APR20	----	----	0.24938 - 0.00187	----	----	1125	UNCH
MAY20	----	----	0.24500 - 0.00188	----	----	1125	UNCH
JUN20	----	----	0.24250 - 0.00313	----	----	1125	UNCH
JUL20	----	----	0.24125 - 0.00375	----	----	1102	UNCH
AUG20	----	----	0.24125 - 0.00375	----	----	1082	UNCH
SEP20	----	----	0.24125 - 0.00375	----	----	1082	UNCH
OCT20	----	----	0.24188 - 0.00375	----	----	1095	UNCH
NOV20	----	----	0.24250 - 0.00438	----	----	1185	UNCH
DEC20	----	----	0.24313 - 0.00500	----	----	1245	UNCH
JAN21	----	----	0.24054 - 0.00581	----	----	393	UNCH
FEB21	----	----	0.23932 - 0.00581	----	----	393	UNCH
MAR21	----	----	0.23745 - 0.00581	----	----	393	UNCH
APR21	----	----	0.22778 - 0.00581	----	----	183	UNCH
MAY21	----	----	0.22772 - 0.00581	----	----	183	UNCH
JUN21	----	----	0.22775 - 0.00581	----	----	183	UNCH
JUL21	----	----	0.23017 - 0.00581	----	----	183	UNCH
AUG21	----	----	0.23258 - 0.00581	----	----	183	UNCH
SEP21	----	----	0.23509 - 0.00581	----	----	183	UNCH
OCT21	----	----	0.23751 - 0.00581	----	----	183	UNCH
NOV21	----	----	0.23991 - 0.00581	----	----	183	UNCH
DEC21	----	----	0.24232 - 0.00581	----	----	183	UNCH

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CO FUT MT BELVIEU ETHANE 5-DCML (OPIS)						
JAN22	----	----	0.24054 - 0.00581	----	----	54 UNCH
FEB22	----	----	0.23932 - 0.00581	----	----	54 UNCH
MAR22	----	----	0.23745 - 0.00581	----	----	54 UNCH
APR22	----	----	0.22778 - 0.00581	----	----	54 UNCH
MAY22	----	----	0.22772 - 0.00581	----	----	54 UNCH
JUN22	----	----	0.22775 - 0.00581	----	----	54 UNCH
JUL22	----	----	0.23017 - 0.00581	----	----	54 UNCH
AUG22	----	----	0.23258 - 0.00581	----	----	54 UNCH
SEP22	----	----	0.23509 - 0.00581	----	----	54 UNCH
OCT22	----	----	0.23751 - 0.00581	----	----	54 UNCH
NOV22	----	----	0.23991 - 0.00581	----	----	54 UNCH
DEC22	----	----	0.24232 - 0.00581	----	----	54 UNCH
TOTAL CO FUT					360	38573 + 80
MBN FUT MT BELVIEU ETHYLENE (PCW) FINCL						
MAY19	----	----	0.12949 - 0.00034	----	----	266 UNCH
JUN19	----	----	0.12625 - 0.00125	----	----	228 UNCH
JUL19	----	----	0.12750 - 0.00125	----	----	187 UNCH
AUG19	----	----	0.13000 - 0.00125	----	----	193 UNCH
SEP19	----	----	0.13500 - 0.00250	----	30	217 + 30
OCT19	----	----	0.13750 - 0.00250	----	----	233 UNCH
NOV19	----	----	0.14000 - 0.00375	----	----	233 UNCH
DEC19	----	----	0.14500 + 0.00125	----	----	233 UNCH
JAN20	----	----	0.14875 + 0.00125	----	5	65 + 5
FEB20	----	----	0.15250 + 0.00250	----	5	65 + 5
MAR20	----	----	0.15625 + 0.00375	----	5	65 + 5
APR20	----	----	0.16000 + 0.00500	----	5	55 + 5
MAY20	----	----	0.16250 + 0.00500	----	5	55 + 5
JUN20	----	----	0.16500 + 0.00625	----	5	55 + 5
JUL20	----	----	0.16625 + 0.00625	----	----	50 UNCH
AUG20	----	----	0.16750 + 0.00625	----	----	50 UNCH
SEP20	----	----	0.17000 + 0.00625	----	----	50 UNCH
OCT20	----	----	0.17125 + 0.00625	----	----	40 UNCH
NOV20	----	----	0.17250 + 0.00625	----	----	40 UNCH
DEC20	----	----	0.17250 + 0.00500	----	----	40 UNCH
TOTAL MBN FUT					60	2420 + 60
MBE FUT MT BELVIEU ETHYLENE IN-WELL (PCW)						
MAY19	----	----	0.12500 - 0.00125	----	30	145 + 30
JUN19	----	----	0.12625 - 0.00125	----	----	160 UNCH
JUL19	----	----	0.12750 - 0.00125	----	----	100 UNCH
AUG19	----	----	0.13000 - 0.00125	----	----	50 UNCH
SEP19	----	----	0.13500 - 0.00250	----	----	40 UNCH
OCT19	----	----	0.13750 - 0.00250	----	----	45 UNCH
NOV19	----	----	0.14000 - 0.00375	----	----	45 UNCH
DEC19	----	----	0.14500 + 0.00125	----	----	45 UNCH
JAN20	----	----	0.14875 + 0.00125	----	----	10 UNCH
FEB20	----	----	0.15250 + 0.00250	----	----	10 UNCH
MAR20	----	----	0.15625 + 0.00375	----	----	10 UNCH
APR20	----	----	0.16000 + 0.00500	----	----	10 UNCH
MAY20	----	----	0.16250 + 0.00500	----	----	10 UNCH
JUN20	----	----	0.16500 + 0.00625	----	----	10 UNCH
JUL20	----	----	0.16625 + 0.00625	----	----	10 UNCH
AUG20	----	----	0.16750 + 0.00625	----	----	10 UNCH
SEP20	----	----	0.17000 + 0.00625	----	----	10 UNCH
OCT20	----	----	0.17125 + 0.00625	----	----	10 UNCH
NOV20	----	----	0.17250 + 0.00625	----	----	10 UNCH
DEC20	----	----	0.17250 + 0.00500	----	----	10 UNCH
TOTAL MBE FUT					30	750 + 30
8I FUT MT BELVIEU ISO BUTANE 5 DEC. S						
MAY19	----	----	0.63256 - 0.00872	----	----	404 UNCH
JUN19	----	----	0.61750 - 0.03438	----	----	267 UNCH
JUL19	----	----	0.64063 - 0.03437	----	----	295 UNCH
AUG19	----	----	0.66000 - 0.03438	----	----	295 UNCH
SEP19	----	----	0.67813 - 0.03437	----	----	320 UNCH
OCT19	----	----	0.69188 - 0.03375	----	----	305 UNCH
NOV19	----	----	0.70250 - 0.03375	----	----	305 UNCH
DEC19	----	----	0.71063 - 0.03437	----	----	305 UNCH
JAN20	----	----	0.71563 - 0.03437	----	----	275 UNCH
FEB20	----	----	0.71188 - 0.03437	----	----	168 UNCH
MAR20	----	----	0.68875 - 0.03375	----	----	168 UNCH
APR20	----	----	0.66938 - 0.03437	----	----	148 UNCH
MAY20	----	----	0.66188 - 0.03562	----	----	148 UNCH
JUN20	----	----	0.66188 - 0.03562	----	----	148 UNCH
JUL20	----	----	0.66563 - 0.03562	----	----	148 UNCH
AUG20	----	----	0.67125 - 0.03563	----	----	148 UNCH

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8I FUT	MT BELVIEU ISO BUTANE 5 DEC. S						
SEP20	----	----	0.67875 - 0.03563	----	----	148	UNCH
OCT20	----	----	0.68563 - 0.03562	----	----	148	UNCH
NOV20	----	----	0.69188 - 0.03562	----	----	148	UNCH
DEC20	----	----	0.69813 - 0.03562	----	----	148	UNCH
JAN21	----	----	0.66364 - 0.02855	----	----	17	UNCH
FEB21	----	----	0.66364 - 0.02855	----	----	17	UNCH
MAR21	----	----	0.66364 - 0.02855	----	----	17	UNCH
APR21	----	----	0.66364 - 0.02855	----	----	17	UNCH
MAY21	----	----	0.66364 - 0.02855	----	----	17	UNCH
JUN21	----	----	0.66364 - 0.02855	----	----	17	UNCH
JUL21	----	----	0.66364 - 0.02855	----	----	17	UNCH
AUG21	----	----	0.66364 - 0.02855	----	----	17	UNCH
SEP21	----	----	0.66364 - 0.02855	----	----	17	UNCH
OCT21	----	----	0.66364 - 0.02855	----	----	17	UNCH
NOV21	----	----	0.66364 - 0.02855	----	----	17	UNCH
DEC21	----	----	0.66364 - 0.02855	----	----	17	UNCH
TOTAL 8I FUT						4643	
7Q FUT	MT BELVIEU NAT GAS 5-DCML (OPIS)						
MAY19	----	----	1.23517 - 0.02028	----	----	2010	UNCH
JUN19	----	----	1.15250 - 0.07438	----	20	1968	UNCH
JUL19	----	----	1.15250 - 0.07313	----	50	1423 + 9	
AUG19	----	----	1.15250 - 0.07188	----	50	1238	UNCH
SEP19	----	----	1.15500 - 0.07125	----	25	1445	UNCH
OCT19	----	----	1.15500 - 0.07125	----	----	969	UNCH
NOV19	----	----	1.15500 - 0.07000	----	----	1006	UNCH
DEC19	----	----	1.15500 - 0.06938	----	----	1519	UNCH
JAN20	----	----	1.15938 - 0.06937	----	----	596	UNCH
FEB20	----	----	1.15813 - 0.06875	----	----	422	UNCH
MAR20	----	----	1.15500 - 0.06688	----	----	426	UNCH
APR20	----	----	1.14563 - 0.06375	----	----	367	UNCH
MAY20	----	----	1.13563 - 0.06187	----	----	367	UNCH
JUN20	----	----	1.12625 - 0.06063	----	----	363	UNCH
JUL20	----	----	1.11938 - 0.05937	----	----	338	UNCH
AUG20	----	----	1.11563 - 0.05812	----	----	336	UNCH
SEP20	----	----	1.11688 - 0.05812	----	----	333	UNCH
OCT20	----	----	1.11625 - 0.05750	----	----	329	UNCH
NOV20	----	----	1.11500 - 0.05750	----	----	327	UNCH
DEC20	----	----	1.11375 - 0.05750	----	----	369	UNCH
JAN21	----	----	1.11450 - 0.06161	----	----	18	UNCH
FEB21	----	----	1.11200 - 0.06161	----	----	18	UNCH
MAR21	----	----	1.10825 - 0.06161	----	----	18	UNCH
APR21	----	----	1.10450 - 0.06161	----	----	18	UNCH
MAY21	----	----	1.10075 - 0.06161	----	----	18	UNCH
JUN21	----	----	1.09700 - 0.06161	----	----	18	UNCH
JUL21	----	----	1.09325 - 0.06161	----	----	18	UNCH
AUG21	----	----	1.08950 - 0.06161	----	----	18	UNCH
SEP21	----	----	1.08950 - 0.06161	----	----	18	UNCH
OCT21	----	----	1.08575 - 0.06161	----	----	18	UNCH
NOV21	----	----	1.08200 - 0.06161	----	----	18	UNCH
DEC21	----	----	1.07825 - 0.06161	----	----	18	UNCH
TOTAL 7Q FUT					145	16367 + 9	
MNB FUT	MT BELVIEU NORMAL BUTANE LDH(OPIS)						
MAY19	----	----	0.54486 - 0.01193	----	----	290	UNCH
JUN19	----	----	0.53125 - 0.03625	----	----	222	UNCH
JUL19	----	----	0.55125 - 0.03500	----	8	187	UNCH
AUG19	----	----	0.58875 - 0.03500	----	8	187	UNCH
SEP19	----	----	0.61625 - 0.03375	----	8	94	UNCH
OCT19	----	----	0.64625 - 0.03250	----	----	70	UNCH
NOV19	----	----	0.66000 - 0.03250	----	----	70	UNCH
DEC19	----	----	0.66750 - 0.03250	----	----	70	UNCH
JAN20	----	----	0.67250 - 0.03250	----	----	39	UNCH
FEB20	----	----	0.66375 - 0.03250	----	----	39	UNCH
MAR20	----	----	0.60250 - 0.03125	----	----	137	UNCH
APR20	----	----	0.57750 - 0.03000	----	----	110	UNCH
MAY20	----	----	0.57000 - 0.03000	----	----	110	UNCH
JUN20	----	----	0.57000 - 0.03000	----	----	110	UNCH
JUL20	----	----	0.57375 - 0.03000	----	----	110	UNCH
AUG20	----	----	0.58000 - 0.03000	----	----	110	UNCH
SEP20	----	----	0.58750 - 0.03000	----	----	12	UNCH
OCT20	----	----	0.61500 - 0.03000	----	----	12	UNCH
NOV20	----	----	0.63125 - 0.03000	----	----	12	UNCH
DEC20	----	----	0.64250 - 0.03000	----	----	12	UNCH
TOTAL MNB FUT					24	2003	
D0 FUT	MT BELVIEU NRM BUTANE 5-DCML (OPIS)						

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MAY19	----	----	0.62304 - 0.01009	----	----	4301	UNCH
JUN19	----	----	0.60125 - 0.03438	----	305	5306	+ 92
JUL19	----	----	0.62313 - 0.03437	----	213	3719	+ 91
AUG19	----	----	0.64250 - 0.03438	----	103	2847	- 31
SEP19	----	----	0.66063 - 0.03437	----	153	2722	+ 12
OCT19	----	----	0.67438 - 0.03375	----	200	3725	+ 23
NOV19	----	----	0.68500 - 0.03375	----	200	3906	+ 58
DEC19	----	----	0.69313 - 0.03437	----	150	4557	+ 45
JAN20	----	----	0.69750 - 0.03438	----	15	1991	+ 10
FEB20	----	----	0.69375 - 0.03438	----	140	1706	+ 5
MAR20	----	----	0.67063 - 0.03375	----	15	1171	+ 5
APR20	----	----	0.65188 - 0.03437	----	15	959	+ 5
MAY20	----	----	0.64438 - 0.03562	----	15	822	+ 5
JUN20	----	----	0.64438 - 0.03562	----	15	818	+ 5
JUL20	----	----	0.64813 - 0.03562	----	15	842	+ 5
AUG20	----	----	0.65375 - 0.03563	----	15	840	+ 5
SEP20	----	----	0.66125 - 0.03563	----	15	836	+ 5
OCT20	----	----	0.66813 - 0.03562	----	15	824	+ 10
NOV20	----	----	0.67438 - 0.03562	----	15	821	+ 10
DEC20	----	----	0.68063 - 0.03562	----	15	823	+ 10
JAN21	----	----	0.68462 - 0.02855	----	----	138	UNCH
FEB21	----	----	0.67859 - 0.02855	----	----	138	UNCH
MAR21	----	----	0.66550 - 0.02855	----	----	138	UNCH
APR21	----	----	0.64699 - 0.02855	----	----	75	UNCH
MAY21	----	----	0.63489 - 0.02855	----	----	75	UNCH
JUN21	----	----	0.63407 - 0.02855	----	----	75	UNCH
JUL21	----	----	0.63489 - 0.02855	----	----	75	UNCH
AUG21	----	----	0.63455 - 0.02855	----	----	75	UNCH
SEP21	----	----	0.63618 - 0.02855	----	----	75	UNCH
OCT21	----	----	0.64011 - 0.02855	----	----	90	UNCH
NOV21	----	----	0.64470 - 0.02855	----	----	90	UNCH
DEC21	----	----	0.64862 - 0.02855	----	----	90	UNCH
TOTAL DO FUT					1629	44670	+ 370
B0 FUT	MT BELVIEU PROPANE 5-DCML (OPIS)						
MAY19	----	----	0.57526 - 0.00994	----	----	15195	UNCH
JUN19	----	----	0.53875 - 0.03625	----	1852	15028	- 426
JUL19	----	----	0.55750 - 0.03313	----	1247	10525	+ 45
AUG19	----	----	0.57375 - 0.03188	----	252	10989	+ 25
SEP19	----	----	0.58938 - 0.02937	----	512	9554	+ 250
OCT19	----	----	0.60188 - 0.02875	----	536	8573	- 88
NOV19	----	----	0.61188 - 0.02812	----	861	8579	+ 149
DEC19	----	----	0.61938 - 0.02812	----	316	8572	+ 88
JAN20	----	----	0.62625 - 0.02688	----	323	5779	+ 21
FEB20	----	----	0.62500 - 0.02625	----	353	4240	- 10
MAR20	----	----	0.60313 - 0.02625	----	342	3578	- 43
APR20	----	----	0.58375 - 0.02563	----	163	4041	- 17
MAY20	----	----	0.58000 - 0.02500	----	213	5007	- 23
JUN20	----	----	0.58000 - 0.02500	----	163	3864	+ 48
JUL20	----	----	0.58063 - 0.02500	----	93	2394	- 30
AUG20	----	----	0.58500 - 0.02500	----	93	2392	- 30
SEP20	----	----	0.59125 - 0.02500	----	93	2388	- 31
OCT20	----	----	0.59813 - 0.02500	----	93	2441	- 35
NOV20	----	----	0.60500 - 0.02500	----	93	2442	- 35
DEC20	----	----	0.61125 - 0.02500	----	98	2469	- 30
JAN21	----	----	0.61947 - 0.02159	----	5	869	+ 5
FEB21	----	----	0.61511 - 0.02159	----	5	869	+ 5
MAR21	----	----	0.58931 - 0.02159	----	----	836	UNCH
APR21	----	----	0.57633 - 0.02159	----	----	638	UNCH
MAY21	----	----	0.56693 - 0.02159	----	----	636	UNCH
JUN21	----	----	0.56813 - 0.02159	----	----	636	UNCH
JUL21	----	----	0.57892 - 0.02159	----	----	585	UNCH
AUG21	----	----	0.58607 - 0.02159	----	----	585	UNCH
SEP21	----	----	0.59338 - 0.02159	1	----	587	+ 1
OCT21	----	----	0.59821 - 0.02159	----	----	575	UNCH
NOV21	----	----	0.60308 - 0.02159	----	----	575	UNCH
DEC21	----	----	0.60791 - 0.02159	1	----	599	+ 1
JAN22	----	----	0.61450 - 0.02299	1	----	129	+ 1
FEB22	----	----	0.61131 - 0.02299	1	----	129	+ 1
MAR22	----	----	0.58712 - 0.02299	1	----	97	+ 1
APR22	----	----	0.57150 - 0.02299	----	----	74	UNCH
MAY22	----	----	0.56900 - 0.02299	----	----	74	UNCH
JUN22	----	----	0.57025 - 0.02299	----	----	74	UNCH
JUL22	----	----	0.57587 - 0.02299	----	----	74	UNCH
AUG22	----	----	0.58150 - 0.02299	----	----	74	UNCH
SEP22	----	----	0.59087 - 0.02299	----	----	74	UNCH

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PG61 BULLETIN # 99@

ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
B0 FUT MT BELVIEU PROPANE 5-DCML (OPIS)							
OCT22	----	----	0.59650 - 0.02299	----	----	74	UNCH
NOV22	----	----	0.60212 - 0.02299	----	----	74	UNCH
DEC22	----	----	0.60775 - 0.02299	----	----	96	UNCH
JAN23	----	----	0.60775 - 0.02299	----	----	64	UNCH
FEB23	----	----	0.60775 - 0.02299	----	----	64	UNCH
MAR23	----	----	0.60775 - 0.02299	----	----	32	UNCH
TOTAL B0 FUT				5	7706	137243	- 157
1R FUT PROPANE NON LDH MT BELVIEU							
MAY19	----	----	0.56642 - 0.00972	----	----	7900	UNCH
JUN19	----	----	0.52875 - 0.03625	----	----	9457	UNCH
JUL19	----	----	0.54750 - 0.03375	----	----	6059	UNCH
AUG19	----	----	0.56750 - 0.03250	----	----	5757	UNCH
SEP19	----	----	0.58375 - 0.02875	----	----	5040	UNCH
OCT19	----	----	0.59750 - 0.02875	----	----	5306	UNCH
NOV19	----	----	0.61000 - 0.02875	----	----	5106	UNCH
DEC19	----	----	0.61750 - 0.02875	----	----	5352	UNCH
JAN20	----	----	0.62625 - 0.02750	----	----	1453	UNCH
FEB20	----	----	0.62500 - 0.02750	----	----	1453	UNCH
MAR20	----	----	0.60375 - 0.02625	----	----	1163	UNCH
APR20	----	----	0.58500 - 0.02500	----	----	1028	UNCH
MAY20	----	----	0.58000 - 0.02500	----	----	1028	UNCH
JUN20	----	----	0.58000 - 0.02500	----	----	1028	UNCH
JUL20	----	----	0.58000 - 0.02500	----	----	963	UNCH
AUG20	----	----	0.58500 - 0.02500	----	----	963	UNCH
SEP20	----	----	0.59125 - 0.02500	----	----	963	UNCH
OCT20	----	----	0.59875 - 0.02500	----	----	963	UNCH
NOV20	----	----	0.60625 - 0.02500	----	----	963	UNCH
DEC20	----	----	0.61250 - 0.02500	----	----	963	UNCH
JAN21	----	----	0.61875 - 0.02500	----	----	40	UNCH
FEB21	----	----	0.61750 - 0.02500	----	----	40	UNCH
MAR21	----	----	0.59625 - 0.02500	----	----	40	UNCH
APR21	----	----	0.57375 - 0.02500	----	----	40	UNCH
MAY21	----	----	0.57000 - 0.02500	----	----	40	UNCH
JUN21	----	----	0.57000 - 0.02500	----	----	40	UNCH
JUL21	----	----	0.57375 - 0.02500	----	----	40	UNCH
AUG21	----	----	0.57750 - 0.02500	----	----	40	UNCH
SEP21	----	----	0.58375 - 0.02500	----	----	40	UNCH
OCT21	----	----	0.59000 - 0.02500	----	----	40	UNCH
NOV21	----	----	0.59625 - 0.02500	----	----	40	UNCH
DEC21	----	----	0.60250 - 0.02500	----	----	40	UNCH
TOTAL 1R FUT						63388	
1S FUT PROPANE NON LDH MT BLV BALMO							
03MAY19	----	----	0.56341 - 0.01068	----	----	50	UNCH
07MAY19	----	----	0.56163 - 0.01188	----	----	25	UNCH
TOTAL 1S FUT						75	

ETHANOL FUTURES PRODUCTS

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
CU FUT CHICAGO ETHANOL							
MAY19	----	----	1.3425 - 0.0050	----	----	8032	UNCH
JUN19	----	1.3500A	1.3500 - 0.0175	----	2334	8602 +	161
JUL19	----	----	1.3600 - 0.0175	----	483	5170 -	33
AUG19	----	----	1.3700 - 0.0175	----	1910	5958 +	418
SEP19	----	----	1.3775 - 0.0175	----	1060	4317 +	340
OCT19	----	----	1.3800 - 0.0150	----	215	4203 +	48
NOV19	----	----	1.3800 - 0.0150	----	215	3437 +	1
DEC19	----	----	1.3800 - 0.0150	----	265	5360 +	75
JAN20	----	----	1.3800 - 0.0150	----	----	335	UNCH
FEB20	----	----	1.3875 - 0.0150	----	----	253	UNCH
MAR20	----	----	1.3950 - 0.0150	----	----	123	UNCH
TOTAL CU FUT					6482	45790 +	1010
Z1 FUT ETHANOL(PL) T2 FOB RTRDM INCL							
MAY19	----	----	590.881 + 0.619	----	----	742	UNCH
JUN19	----	----	583.000 + 8.000	----	40	699	UNCH
JUL19	----	----	565.000 + 7.000	----	40	523 +	20
AUG19	----	----	550.000 + 5.000	----	----	569	UNCH
SEP19	----	----	541.000 + 8.000	----	13	456	UNCH
OCT19	----	----	528.000 + 5.000	----	----	355	UNCH
NOV19	----	----	521.000 + 5.000	----	----	335	UNCH
DEC19	----	----	513.000 + 5.000	----	----	375	UNCH
JAN20	----	----	508.000 + 6.000	----	----	70	UNCH
FEB20	----	----	508.000 + 6.000	----	----	70	UNCH
MAR20	----	----	508.000 + 6.000	----	----	70	UNCH
TOTAL Z1 FUT					93	4264 +	20
MTH FUT METHANOL FOBHOUSTON (ARGUS)							
MAY19	----	----	88.00 UNCH	----	----	30	UNCH
TOTAL MTH FUT						30	
MT2 FUT METHANOL T2 FOB RDAM (ICIS) FUTURES							

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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	
MT2 FUT	METHANOL T2 FOB RDAM (ICIS) FUTURES							
MAY19	----	----	264.00 UNCH		----	----	95	UNCH
JUN19	----	----	264.00 UNCH		----	----	145	UNCH
JUL19	----	----	265.00 UNCH		----	----	60	UNCH
AUG19	----	----	265.00 UNCH		----	----	60	UNCH
SEP19	----	----	266.00 UNCH		----	----	60	UNCH
OCT19	----	----	269.00 UNCH		----	----	30	UNCH
NOV19	----	----	273.00 UNCH		----	----	30	UNCH
DEC19	----	----	279.00 UNCH		----	----	30	UNCH
TOTAL	MT2 FUT						510	
EZ FUT	NEW YORK ETHANOL							
MAY19	----	----	1.4500 - 0.0050		----	----	189	UNCH
JUN19	----	----	1.4600 - 0.0175		----	----	134	UNCH
JUL19	----	----	1.4700 - 0.0175		----	----	150	UNCH
AUG19	----	----	1.4800 - 0.0175		----	----	75	UNCH
SEP19	----	----	1.4875 - 0.0175		----	----	75	UNCH
TOTAL	EZ FUT						623	

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							
21MAY19	----	----	19.95 UNCH		----	----	0	14
22MAY19	----	----	23.01 - 4.74		----	----	14	UNCH
23MAY19	----	----	31.50 UNCH		----	----	14	UNCH
24MAY19	----	----	27.25 - 3.00		----	----	14	UNCH
28MAY19	----	----	33.25 + 2.25		----	----	14	UNCH
29MAY19	----	----	33.25 + 2.25		----	----	14	UNCH
30MAY19	----	----	33.25 + 2.25		----	----	14	UNCH
31MAY19	----	----	33.25 + 2.25		----	----	14	UNCH
TOTAL	VD FUT						98	14
H5 FUT	CIN HUB 5MW D AH PK							
JUN19	----	----	32.20 + 0.15		----	----	240	UNCH
JUL19	----	----	37.34 - 0.07		----	----	264	UNCH
AUG19	----	----	35.28 + 0.11		----	----	220	UNCH
SEP19	----	----	34.78 + 0.22		----	----	80	UNCH
NOV19	----	----	32.93 - 0.13		----	----	20	UNCH
DEC19	----	----	34.38 - 0.02		----	----	21	UNCH
JAN20	----	----	40.82 - 0.10		----	----	22	UNCH
FEB20	----	----	38.03 - 0.10		----	----	20	UNCH
MAR20	----	----	35.05 - 0.10		----	----	22	UNCH
APR20	----	----	33.40 - 0.05		----	----	22	UNCH
MAY20	----	----	33.08 - 0.12		----	----	80	UNCH
JUN20	----	----	33.10 - 0.15		----	----	44	UNCH
TOTAL	H5 FUT						1055	
H4 FUT	CIN HUB 5MW REAL TIME O PK							
JUN19	----	----	22.83 + 0.02		----	----	10000	UNCH
JUL19	----	----	25.07 - 0.02		----	----	9800	UNCH
AUG19	----	----	23.68 - 0.03		----	----	9800	UNCH
SEP19	----	----	23.70 - 0.23		----	----	10000	UNCH
OCT19	----	----	24.54 + 0.20		----	----	9400	UNCH
NOV19	----	----	24.19 + 0.24		----	----	10000	UNCH
DEC19	----	----	25.64 - 0.43		----	----	10200	UNCH
JAN20	----	----	32.56 + 0.09		----	----	2744	UNCH
FEB20	----	----	29.14 + 0.06		----	----	2632	UNCH
MAR20	----	----	25.98 - 0.05		----	----	2744	UNCH
APR20	----	----	23.92 - 0.05		----	----	2576	UNCH
MAY20	----	----	22.90 + 0.05		----	----	2968	UNCH
JUN20	----	----	22.90 UNCH		----	----	2576	UNCH
JUL20	----	----	25.02 + 0.06		----	----	2632	UNCH
AUG20	----	----	23.03 + 0.09		----	----	2856	UNCH
SEP20	----	----	22.93 + 0.05		----	----	2688	UNCH
OCT20	----	----	23.01 + 0.01		----	----	2744	UNCH
NOV20	----	----	23.47 + 0.02		----	----	2800	UNCH
DEC20	----	----	25.75 - 0.02		----	----	2744	UNCH
TOTAL	H4 FUT						101904	
H3 FUT	CIN HUB 5MW REAL TIME PK							
JUN19	----	----	31.70 + 0.15		----	----	1300	UNCH
JUL19	----	----	36.84 - 0.07		----	----	1430	UNCH
AUG19	----	----	34.78 + 0.11		----	----	1430	UNCH
SEP19	----	----	34.28 + 0.22		----	----	1300	UNCH
OCT19	----	----	32.58 - 0.18		----	----	1495	UNCH
NOV19	----	----	32.43 - 0.13		----	----	1300	UNCH
DEC19	----	----	33.88 - 0.02		----	----	1365	UNCH
JAN20	----	----	40.32 - 0.10		----	----	154	UNCH
FEB20	----	----	37.53 - 0.10		----	----	140	UNCH
MAR20	----	----	34.55 - 0.10		----	----	154	UNCH
APR20	----	----	32.90 - 0.05		----	----	154	UNCH
MAY20	----	----	32.58 - 0.12		----	----	140	UNCH
JUN20	----	----	32.60 - 0.15		----	----	154	UNCH
JUL20	----	----	37.99 - 0.15		----	----	161	UNCH
AUG20	----	----	34.86 - 0.20		----	----	147	UNCH
SEP20	----	----	33.75 - 0.15		----	----	147	UNCH
OCT20	----	----	31.87 + 0.13		----	----	154	UNCH
NOV20	----	----	31.92 - 0.17		----	----	140	UNCH
DEC20	----	----	34.76 + 0.04		----	----	154	UNCH
TOTAL	H3 FUT						11419	
DEB FUT	GERMAN POWER BASELOAD CAL MONTH FUT							
MAY19	----	----	37.77 + 0.38		----	----	34	UNCH
JUN19	37.50	38.10B/37.47A	37.35 - 0.74		10	----	39	5
JUL19	----	39.75B/39.10A	39.01 - 0.71		10	----	40	5
AUG19	----	40.70A	40.47 - 0.79		10	----	40	5
SEP19	----	44.20B/43.85A	43.66 - 0.48		10	----	40	5
OCT19	----	----	47.10 - 0.65		5	----	23	5
NOV19	----	----	52.61 - 0.76		5	----	23	5
DEC19	----	----	49.10 - 0.82		5	----	23	5
JAN20	----	----	54.84 - 0.63		5	----	18	5
FEB20	----	----	54.16 - 0.63		5	----	18	5

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DEB FUT	GERMAN	POWER	BASELOAD	CAL	MONTH	FUT				
MAR20		----			----		48.28 - 0.18	5	----	18 + 5
APR20		----			----		46.72 - 0.68	5	----	18 + 5
MAY20		----			----		43.70 - 0.57	5	----	18 + 5
JUN20		----			----		40.79 - 0.46	5	----	18 + 5
JUL20		----			----		43.25 - 0.63	5	----	18 + 5
AUG20		----			----		45.38 - 0.71	5	----	18 + 5
SEP20		----			----		47.53 - 0.79	5	----	18 + 5
OCT20		----			----		49.95 - 0.20	5	----	18 + 5
NOV20		----			----		51.85 - 0.25	5	----	18 + 5
DEC20		----			----		53.46 - 0.28	5	----	18 + 5
JAN21		----			----		52.43 UNCH	5	----	33 + 5
FEB21		----			----		51.32 + 0.02	5	----	33 + 5
MAR21		----			----		50.39 + 0.04	5	----	33 + 5
APR21		----			----		46.12 - 0.16	5	----	33 + 5
MAY21		----			----		42.49 - 0.08	5	----	33 + 5
JUN21		----			----		38.86 UNCH	5	----	33 + 5
JUL21		----			----		41.69 + 0.13	5	----	33 + 5
AUG21		----			----		44.01 + 0.09	5	----	33 + 5
SEP21		----			----		46.30 + 0.05	5	----	33 + 5
OCT21		----			----		48.04 - 0.97	5	----	33 + 5
NOV21		----			----		49.53 - 1.03	5	----	33 + 5
DEC21		----			----		51.04 - 1.09	5	----	33 + 5
TOTAL DEB FUT								175		874 + 145
IDO FUT	ISO NEW ENG MASS HUB DA OP DAILY									
16MAY19		----			----		22.76 UNCH	----	----	0 - 184
17MAY19		----			----		20.47 UNCH	----	----	184 UNCH
18MAY19		----			----		21.29 UNCH	----	----	552 UNCH
19MAY19		----			----		22.78 UNCH	----	----	552 UNCH
20MAY19		----			----		22.19 UNCH	----	----	184 UNCH
21MAY19		----			----		22.22 UNCH	----	----	184 UNCH
22MAY19		----			----		17.34 UNCH	----	----	184 UNCH
23MAY19		----			----		20.39 UNCH	----	----	184 UNCH
24MAY19		----			----		19.20 - 2.42	----	----	184 UNCH
25MAY19		----			----		21.62 UNCH	----	----	552 UNCH
26MAY19		----			----		21.62 UNCH	----	----	552 UNCH
27MAY19		----			----		21.62 UNCH	----	----	552 UNCH
28MAY19		----			----		21.62 UNCH	----	----	184 UNCH
29MAY19		----			----		21.62 UNCH	----	----	184 UNCH
30MAY19		----			----		21.62 UNCH	----	----	184 UNCH
31MAY19		----			----		21.62 UNCH	----	----	184 UNCH
TOTAL IDO FUT										4600 - 184
FTD FUT	MISO INDIANA HUB 5MW OFPK CALDAY RT									
15MAY19		----			----		20.04 UNCH	----	----	0 - 200
16MAY19		----			----		18.04 UNCH	----	----	200 UNCH
17MAY19		----			----		20.20 UNCH	----	----	200 UNCH
18MAY19		----			----		22.63 UNCH	----	----	600 UNCH
19MAY19		----			----		21.98 UNCH	----	----	600 UNCH
20MAY19		----			----		19.27 UNCH	----	----	200 UNCH
21MAY19		----			----		17.91 UNCH	----	----	200 UNCH
22MAY19		----			----		13.82 - 9.66	----	----	200 UNCH
23MAY19		----			----		23.48 UNCH	----	----	200 UNCH
24MAY19		----			----		23.48 UNCH	----	----	200 UNCH
25MAY19		----			----		23.48 UNCH	----	----	600 UNCH
26MAY19		----			----		23.48 UNCH	----	----	600 UNCH
27MAY19		----			----		23.48 UNCH	----	----	600 UNCH
28MAY19		----			----		23.48 UNCH	----	----	200 UNCH
29MAY19		----			----		23.48 UNCH	----	----	200 UNCH
30MAY19		----			----		23.48 UNCH	----	----	200 UNCH
31MAY19		----			----		23.48 UNCH	----	----	200 UNCH
TOTAL FTD FUT										5200 - 200
PDD FUT	MISO INDIANA HUB 5MW PK CAL DAYHD									
15MAY19		----			----		28.34 UNCH	----	----	0 - 15
16MAY19		----			----		30.71 UNCH	----	----	15 UNCH
17MAY19		----			----		32.47 UNCH	----	----	15 UNCH
20MAY19		----			----		28.42 UNCH	----	----	15 UNCH
21MAY19		----			----		26.43 UNCH	----	----	15 UNCH
22MAY19		----			----		28.22 UNCH	----	----	15 UNCH
23MAY19		----			----		30.88 UNCH	----	----	15 UNCH
24MAY19		----			----		30.46 - 0.54	----	----	15 UNCH
28MAY19		----			----		32.75 + 1.00	----	----	15 UNCH
29MAY19		----			----		32.75 + 1.00	----	----	15 UNCH
30MAY19		----			----		32.75 + 1.00	----	----	15 UNCH
31MAY19		----			----		32.75 + 1.00	----	----	15 UNCH
TOTAL PDD FUT										165 - 15
PTD FUT	MISO INDIANA HUB 5MW PK CAL-DAY RT									
14MAY19		----			----		27.20 UNCH	----	----	0 - 75
15MAY19		----			----		30.35 UNCH	----	----	75 UNCH
16MAY19		----			----		50.71 UNCH	----	----	75 UNCH
17MAY19		----			----		25.65 UNCH	----	----	75 UNCH
20MAY19		----			----		25.22 UNCH	----	----	75 UNCH
21MAY19		----			----		21.76 UNCH	----	----	75 UNCH
22MAY19		----			----		22.85 - 5.40	----	----	75 UNCH
23MAY19		----			----		33.75 UNCH	----	----	75 UNCH
24MAY19		----			----		28.00 - 3.00	----	----	75 UNCH
28MAY19		----			----		32.75 + 1.00	----	----	75 UNCH
29MAY19		----			----		32.75 + 1.00	----	----	75 UNCH
30MAY19		----			----		32.75 + 1.00	----	----	75 UNCH
31MAY19		----			----		32.75 + 1.00	----	----	75 UNCH
TOTAL PTD FUT										900 - 75
UD FUT	N ILLINOIS HUB DAILY									
21MAY19		----			----		17.19 UNCH	----	----	0 - 34
22MAY19		----			----		13.21 - 9.79	----	----	34 UNCH
23MAY19		----			----		27.00 UNCH	----	----	34 UNCH
24MAY19		----			----		26.50 + 0.50	----	----	34 UNCH
28MAY19		----			----		27.50 UNCH	----	----	34 UNCH
29MAY19		----			----		27.50 UNCH	----	----	34 UNCH
30MAY19		----			----		27.50 UNCH	----	----	34 UNCH
31MAY19		----			----		27.50 UNCH	----	----	34 UNCH
TOTAL UD FUT										238 - 34
H2 FUT	NEPOOL INTR HUB 5MW D AH O PK									
JUN19		----			----		22.27 - 0.03	----	----	9200 UNCH

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H2 FUT	GLOBEX OPEN							SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
	NEPOOL	INTR	HUB	5MW	D	AH	O PK				
JUL19	----	----	----	----	----	----	26.63 - 0.45	----	----	12936 UNCH	
AUG19	----	----	----	----	----	----	25.83 - 0.25	----	----	12936 UNCH	
SEP19	----	----	----	----	----	----	23.40 + 0.03	----	----	13200 UNCH	
OCT19	----	----	----	----	----	----	24.88 - 0.02	----	----	12408 UNCH	
NOV19	----	----	----	----	----	----	33.25 - 0.35	----	----	13233 UNCH	
DEC19	----	----	----	----	----	----	51.40 - 0.50	----	----	13464 UNCH	
JAN20	----	----	----	----	----	----	65.74 - 0.27	----	----	13720 UNCH	
FEB20	----	----	----	----	----	----	63.76 - 0.23	----	----	13160 UNCH	
MAR20	----	----	----	----	----	----	43.40 + 0.10	----	----	13685 UNCH	
APR20	----	----	----	----	----	----	28.10 - 0.05	----	----	12880 UNCH	
MAY20	----	----	----	----	----	----	22.65 - 0.10	----	----	14840 UNCH	
JUN20	----	----	----	----	----	----	23.10 UNCH	----	----	12880 UNCH	
JUL20	----	----	----	----	----	----	25.83 - 0.04	----	----	13160 UNCH	
AUG20	----	----	----	----	----	----	25.37 - 0.06	----	----	14280 UNCH	
SEP20	----	----	----	----	----	----	22.35 - 0.05	----	----	13440 UNCH	
OCT20	----	----	----	----	----	----	22.65 - 0.10	----	----	13720 UNCH	
NOV20	----	----	----	----	----	----	32.85 - 0.05	----	----	14035 UNCH	
DEC20	----	----	----	----	----	----	52.50 - 0.15	----	----	13720 UNCH	
JAN21	----	----	----	----	----	----	67.63 - 0.01	----	----	10600 UNCH	
FEB21	----	----	----	----	----	----	65.37 + 0.01	----	----	8800 UNCH	
MAR21	----	----	----	----	----	----	42.00 UNCH	----	----	9375 UNCH	
APR21	----	----	----	----	----	----	26.50 - 0.25	----	----	9200 UNCH	
MAY21	----	----	----	----	----	----	23.75 - 0.25	----	----	10600 UNCH	
JUN21	----	----	----	----	----	----	24.00 - 0.25	----	----	9200 UNCH	
JUL21	----	----	----	----	----	----	25.99 - 0.25	----	----	10200 UNCH	
AUG21	----	----	----	----	----	----	25.01 - 0.25	----	----	9800 UNCH	
SEP21	----	----	----	----	----	----	22.25 - 0.25	----	----	9600 UNCH	
OCT21	----	----	----	----	----	----	23.25 - 0.25	----	----	10200 UNCH	
NOV21	----	----	----	----	----	----	30.00 UNCH	----	----	9625 UNCH	
DEC21	----	----	----	----	----	----	50.00 UNCH	----	----	9400 UNCH	
APR22	----	----	----	----	----	----	24.64 - 0.08	----	----	1152 UNCH	
MAY22	----	----	----	----	----	----	22.39 - 0.03	----	----	1224 UNCH	
JUN22	----	----	----	----	----	----	22.15 - 0.03	----	----	1104 UNCH	
JUL22	----	----	----	----	----	----	24.93 - 0.08	----	----	1272 UNCH	
AUG22	----	----	----	----	----	----	24.25 - 0.03	----	----	1128 UNCH	
SEP22	----	----	----	----	----	----	21.36 - 0.04	----	----	1152 UNCH	
OCT22	----	----	----	----	----	----	21.61 - 0.03	----	----	1224 UNCH	
TOTAL H2 FUT										375753	
U6 FUT	NEPOOL INTR HUB 5MW D AH PK							SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
JUN19	----	----	----	----	----	----	29.23 + 0.40				
JUL19	----	----	----	----	----	----	38.40 UNCH	----	----	748 UNCH	
AUG19	----	----	----	----	----	----	37.15 + 0.32	----	----	748 UNCH	
SEP19	----	----	----	----	----	----	33.62 + 0.14	----	----	680 UNCH	
OCT19	----	----	----	----	----	----	32.93 + 0.11	----	----	782 UNCH	
NOV19	----	----	----	----	----	----	41.45 - 0.25	----	----	780 UNCH	
DEC19	----	----	----	----	----	----	61.53 - 0.50	----	----	819 UNCH	
JAN20	----	----	----	----	----	----	77.48 - 0.61	----	----	770 UNCH	
FEB20	----	----	----	----	----	----	74.02 - 0.64	----	----	700 UNCH	
MAR20	----	----	----	----	----	----	50.85 - 0.25	----	----	770 UNCH	
APR20	----	----	----	----	----	----	36.00 - 0.10	----	----	770 UNCH	
MAY20	----	----	----	----	----	----	29.65 - 0.10	----	----	700 UNCH	
JUN20	----	----	----	----	----	----	31.40 - 0.10	----	----	770 UNCH	
JUL20	----	----	----	----	----	----	39.60 - 0.09	----	----	805 UNCH	
AUG20	----	----	----	----	----	----	38.90 - 0.11	----	----	735 UNCH	
SEP20	----	----	----	----	----	----	33.90 UNCH	----	----	735 UNCH	
OCT20	----	----	----	----	----	----	32.25 UNCH	----	----	770 UNCH	
NOV20	----	----	----	----	----	----	44.25 UNCH	----	----	700 UNCH	
DEC20	----	----	----	----	----	----	64.00 UNCH	----	----	770 UNCH	
JAN21	----	----	----	----	----	----	77.65 + 0.02	----	----	500 UNCH	
FEB21	----	----	----	----	----	----	75.65 - 0.02	----	----	500 UNCH	
MAR21	----	----	----	----	----	----	52.25 UNCH	----	----	575 UNCH	
APR21	----	----	----	----	----	----	34.25 - 0.25	----	----	550 UNCH	
MAY21	----	----	----	----	----	----	31.25 - 0.25	----	----	500 UNCH	
JUN21	----	----	----	----	----	----	32.60 - 0.25	----	----	550 UNCH	
JUL21	----	----	----	----	----	----	39.47 - 0.27	----	----	525 UNCH	
AUG21	----	----	----	----	----	----	39.03 - 0.23	----	----	550 UNCH	
SEP21	----	----	----	----	----	----	33.00 - 0.25	----	----	525 UNCH	
OCT21	----	----	----	----	----	----	33.00 - 0.25	----	----	525 UNCH	
NOV21	----	----	----	----	----	----	42.15 UNCH	----	----	525 UNCH	
DEC21	----	----	----	----	----	----	62.50 - 0.15	----	----	575 UNCH	
APR22	----	----	----	----	----	----	32.60 - 0.11	----	----	63 UNCH	
MAY22	----	----	----	----	----	----	29.80 - 0.07	----	----	63 UNCH	
JUN22	----	----	----	----	----	----	30.65 - 0.07	----	----	66 UNCH	
JUL22	----	----	----	----	----	----	40.87 - 0.08	----	----	60 UNCH	
AUG22	----	----	----	----	----	----	40.42 - 0.09	----	----	69 UNCH	
SEP22	----	----	----	----	----	----	31.10 - 0.07	----	----	63 UNCH	
OCT22	----	----	----	----	----	----	32.10 - 0.06	----	----	63 UNCH	
TOTAL U6 FUT										21279	
P8 FUT	NEPOOL NE MASS 5MW D AH PK							SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
MAY19	----	----	----	----	----	----	21.73 - 0.05				
JUN19	----	----	----	----	----	----	22.80 + 0.40	----	----	1200 UNCH	
JUL19	----	----	----	----	----	----	26.75 - 0.75	----	----	1176 UNCH	
AUG19	----	----	----	----	----	----	26.10 - 0.50	----	----	1176 UNCH	
SEP19	----	----	----	----	----	----	23.65 + 0.10	----	----	1200 UNCH	
OCT19	----	----	----	----	----	----	24.75 - 0.05	----	----	1128 UNCH	
NOV19	----	----	----	----	----	----	33.75 - 0.35	----	----	1203 UNCH	
DEC19	----	----	----	----	----	----	51.90 - 0.50	----	----	1224 UNCH	
TOTAL P8 FUT										9483	
P7 FUT	NEPOOL NE MASS 5MW D AH PK							SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
MAY19	----	----	----	----	----	----	27.58 - 0.11				
JUN19	----	----	----	----	----	----	30.05 + 0.45	----	----	60 UNCH	
JUL19	----	----	----	----	----	----	39.55 UNCH	----	----	66 UNCH	
AUG19	----	----	----	----	----	----	38.15 UNCH	----	----	66 UNCH	
SEP19	----	----	----	----	----	----	34.40 + 0.10	----	----	60 UNCH	
OCT19	----	----	----	----	----	----	33.40 + 0.10	----	----	69 UNCH	
NOV19	----	----	----	----	----	----	42.05 - 0.25	----	----	60 UNCH	
DEC19	----	----	----	----	----	----	62.15 - 0.40	----	----	63 UNCH	
TOTAL P7 FUT										510	
CE FUT	NEW ENGLAND HUB PEAK DAILY							SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
08MAY19	----	----	----	----	----	----	24.46 UNCH				
09MAY19	----	----	----	----	----	----	26.83 UNCH	----	----	44 UNCH	
10MAY19	----	----	----	----	----	----	27.01 UNCH	----	----	44 UNCH	
13MAY19	----	----	----	----	----	----	30.26 UNCH	----	----	44 UNCH	

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	CE FUT	GN FUT	JN FUT	LHV FUT	NNC FUT	NRS FUT	K4 FUT
	NEW ENGLAND HUB PEAK DAILY	NEW YORK HUB ZONE G PEAK DAILY	NEW YORK HUB ZONE J PEAK DAILY	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
	GLOBAL OPEN	GLOBAL HIGH/LOW	SETTL. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
14MAY19	----	----	27.38 UNCH	----	----	44 UNCH	
15MAY19	----	----	25.66 UNCH	----	----	44 UNCH	
16MAY19	----	----	24.90 UNCH	----	----	44 UNCH	
17MAY19	----	----	26.71 UNCH	----	----	44 UNCH	
20MAY19	----	----	33.91 UNCH	----	----	44 UNCH	
21MAY19	----	----	24.25 UNCH	----	----	44 UNCH	
22MAY19	----	----	24.75 UNCH	----	----	44 UNCH	
23MAY19	----	----	26.17 UNCH	----	----	44 UNCH	
24MAY19	----	----	25.68 - 3.07	----	----	44 UNCH	
28MAY19	----	----	28.75 UNCH	----	----	44 UNCH	
29MAY19	----	----	28.75 UNCH	----	----	44 UNCH	
30MAY19	----	----	28.75 UNCH	----	----	44 UNCH	
31MAY19	----	----	28.75 UNCH	----	----	44 UNCH	
TOTAL CE FUT						704 -	44
08MAY19	----	----	18.89 UNCH	----	----	0 -	32
09MAY19	----	----	20.46 UNCH	----	----	32 UNCH	
10MAY19	----	----	20.68 UNCH	----	----	32 UNCH	
13MAY19	----	----	22.87 UNCH	----	----	32 UNCH	
14MAY19	----	----	21.96 UNCH	----	----	32 UNCH	
15MAY19	----	----	19.53 UNCH	----	----	32 UNCH	
16MAY19	----	----	20.22 UNCH	----	----	32 UNCH	
17MAY19	----	----	19.26 UNCH	----	----	32 UNCH	
20MAY19	----	----	30.38 UNCH	----	----	32 UNCH	
21MAY19	----	----	23.16 UNCH	----	----	32 UNCH	
22MAY19	----	----	22.25 UNCH	----	----	32 UNCH	
23MAY19	----	----	23.73 UNCH	----	----	32 UNCH	
24MAY19	----	----	21.12 - 8.31	----	----	32 UNCH	
28MAY19	----	----	29.43 UNCH	----	----	32 UNCH	
29MAY19	----	----	29.43 UNCH	----	----	32 UNCH	
30MAY19	----	----	29.43 UNCH	----	----	32 UNCH	
31MAY19	----	----	29.43 UNCH	----	----	32 UNCH	
TOTAL GN FUT						512 -	32
08MAY19	----	----	26.44 UNCH	----	----	0 -	35
09MAY19	----	----	27.05 UNCH	----	----	35 UNCH	
10MAY19	----	----	30.95 UNCH	----	----	35 UNCH	
13MAY19	----	----	27.96 UNCH	----	----	35 UNCH	
14MAY19	----	----	26.86 UNCH	----	----	35 UNCH	
15MAY19	----	----	25.95 UNCH	----	----	35 UNCH	
16MAY19	----	----	27.12 UNCH	----	----	35 UNCH	
17MAY19	----	----	28.52 UNCH	----	----	35 UNCH	
20MAY19	----	----	36.55 UNCH	----	----	35 UNCH	
21MAY19	----	----	26.87 UNCH	----	----	35 UNCH	
22MAY19	----	----	22.91 UNCH	----	----	35 UNCH	
23MAY19	----	----	24.33 UNCH	----	----	35 UNCH	
24MAY19	----	----	25.93 - 6.82	----	----	35 UNCH	
28MAY19	----	----	32.75 UNCH	----	----	35 UNCH	
29MAY19	----	----	32.75 UNCH	----	----	35 UNCH	
30MAY19	----	----	32.75 UNCH	----	----	35 UNCH	
31MAY19	----	----	32.75 UNCH	----	----	35 UNCH	
TOTAL JN FUT						560 -	35
JUN19	----	----	5.08 - 0.04	----	----	47 UNCH	
JUL19	----	----	5.08 - 0.04	----	----	47 UNCH	
AUG19	----	----	5.08 - 0.04	----	----	47 UNCH	
SEP19	----	----	5.08 - 0.04	----	----	47 UNCH	
OCT19	----	----	5.08 - 0.04	----	----	47 UNCH	
NOV19	----	----	0.73 UNCH	----	----	67 UNCH	
DEC19	----	----	0.73 UNCH	----	----	67 UNCH	
JAN20	----	----	0.73 UNCH	----	----	30 UNCH	
FEB20	----	----	0.73 UNCH	----	----	30 UNCH	
MAR20	----	----	0.73 UNCH	----	----	30 UNCH	
APR20	----	----	0.73 UNCH	----	----	30 UNCH	
MAY20	----	----	4.95 UNCH	----	----	25 UNCH	
JUN20	----	----	4.95 UNCH	----	----	25 UNCH	
JUL20	----	----	4.95 UNCH	----	----	25 UNCH	
AUG20	----	----	4.95 UNCH	----	----	25 UNCH	
SEP20	----	----	4.95 UNCH	----	----	25 UNCH	
OCT20	----	----	4.95 UNCH	----	----	25 UNCH	
NOV20	----	----	0.70 UNCH	----	----	15 UNCH	
DEC20	----	----	0.70 UNCH	----	----	15 UNCH	
JAN21	----	----	0.70 UNCH	----	----	10 UNCH	
FEB21	----	----	0.70 UNCH	----	----	10 UNCH	
MAR21	----	----	0.70 UNCH	----	----	10 UNCH	
APR21	----	----	0.70 UNCH	----	----	10 UNCH	
TOTAL LHV FUT						709	
JUN19	----	----	13.80 + 0.01	----	----	28 UNCH	
JUL19	----	----	13.80 + 0.01	----	----	28 UNCH	
AUG19	----	----	13.80 + 0.01	----	----	28 UNCH	
SEP19	----	----	13.80 + 0.01	----	----	28 UNCH	
OCT19	----	----	13.80 + 0.01	----	----	28 UNCH	
NOV19	----	----	3.33 + 0.05	----	----	3 UNCH	
DEC19	----	----	3.33 + 0.05	----	----	3 UNCH	
TOTAL NNC FUT						146	
JUN19	----	----	1.30 - 0.03	----	----	35 UNCH	
JUL19	----	----	1.30 - 0.03	----	----	35 UNCH	
AUG19	----	----	1.30 - 0.03	----	----	35 UNCH	
SEP19	----	----	1.30 - 0.03	----	----	35 UNCH	
OCT19	----	----	1.30 - 0.03	----	----	35 UNCH	
NOV19	----	----	0.30 UNCH	----	----	12 UNCH	
DEC19	----	----	0.30 UNCH	----	----	12 UNCH	
JAN20	----	----	0.30 UNCH	----	----	7 UNCH	
FEB20	----	----	0.30 UNCH	----	----	7 UNCH	
MAR20	----	----	0.30 UNCH	----	----	7 UNCH	
APR20	----	----	0.30 UNCH	----	----	7 UNCH	
TOTAL NRS FUT						227	
JUN19	----	----	17.05 - 1.17	----	----	800 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							
JUL19	----	----	24.65 - 0.15	----	----	784	UNCH
AUG19	----	----	23.55 - 0.10	----	----	784	UNCH
SEP19	----	----	18.45 - 0.07	----	----	800	UNCH
OCT19	----	----	16.93 UNCH	----	----	752	UNCH
NOV19	----	----	19.25 UNCH	----	----	802	UNCH
DEC19	----	----	23.75 UNCH	----	----	816	UNCH
JAN20	----	----	37.99 UNCH	----	----	784	UNCH
FEB20	----	----	34.01 UNCH	----	----	752	UNCH
MAR20	----	----	25.25 UNCH	----	----	782	UNCH
APR20	----	----	19.50 UNCH	----	----	736	UNCH
MAY20	----	----	18.50 UNCH	----	----	848	UNCH
JUN20	----	----	20.25 UNCH	----	----	736	UNCH
JUL20	----	----	26.79 - 0.02	----	----	752	UNCH
AUG20	----	----	25.21 + 0.02	----	----	816	UNCH
SEP20	----	----	19.50 UNCH	----	----	768	UNCH
OCT20	----	----	17.64 + 0.02	----	----	784	UNCH
NOV20	----	----	18.29 - 0.03	----	----	802	UNCH
DEC20	----	----	22.57 + 0.01	----	----	784	UNCH
TOTAL K4 FUT						14882	
K3 FUT NYISO ZONE A 5MW D AH PK							
JUN19	----	----	39.13 + 1.00	----	----	240	UNCH
JUL19	----	----	49.40 + 0.42	----	----	264	UNCH
AUG19	----	----	48.08 + 1.33	----	----	264	UNCH
SEP19	----	----	37.00 + 0.15	----	----	240	UNCH
OCT19	----	----	29.20 UNCH	----	----	276	UNCH
NOV19	----	----	29.90 UNCH	----	----	240	UNCH
DEC19	----	----	37.40 UNCH	----	----	252	UNCH
TOTAL K3 FUT						1776	
ZAO FUT NYISO ZONE A DA OP DAILY							
16MAY19	----	----	12.01 UNCH	----	----	0	- 16
17MAY19	----	----	9.24 UNCH	----	----	16	UNCH
18MAY19	----	----	13.74 UNCH	----	----	48	UNCH
19MAY19	----	----	16.06 UNCH	----	----	48	UNCH
20MAY19	----	----	7.10 UNCH	----	----	16	UNCH
21MAY19	----	----	9.83 UNCH	----	----	16	UNCH
22MAY19	----	----	8.55 UNCH	----	----	16	UNCH
23MAY19	----	----	6.03 UNCH	----	----	16	UNCH
24MAY19	----	----	5.41 - 11.07	----	----	16	UNCH
25MAY19	----	----	16.48 UNCH	----	----	48	UNCH
26MAY19	----	----	16.48 UNCH	----	----	48	UNCH
27MAY19	----	----	16.48 UNCH	----	----	48	UNCH
28MAY19	----	----	16.48 UNCH	----	----	16	UNCH
29MAY19	----	----	16.48 UNCH	----	----	16	UNCH
30MAY19	----	----	16.48 UNCH	----	----	16	UNCH
31MAY19	----	----	16.48 UNCH	----	----	16	UNCH
TOTAL ZAO FUT						400	- 16
AN FUT NYISO ZONE A LBMP FUTURE							
08MAY19	----	----	31.17 UNCH	----	----	0	- 12
09MAY19	----	----	19.85 UNCH	----	----	12	UNCH
10MAY19	----	----	21.41 UNCH	----	----	12	UNCH
13MAY19	----	----	33.97 UNCH	----	----	12	UNCH
14MAY19	----	----	35.22 UNCH	----	----	12	UNCH
15MAY19	----	----	27.61 UNCH	----	----	12	UNCH
16MAY19	----	----	34.02 UNCH	----	----	12	UNCH
17MAY19	----	----	33.75 UNCH	----	----	12	UNCH
20MAY19	----	----	17.55 UNCH	----	----	12	UNCH
21MAY19	----	----	36.85 UNCH	----	----	12	UNCH
22MAY19	----	----	41.81 UNCH	----	----	12	UNCH
23MAY19	----	----	39.93 UNCH	----	----	12	UNCH
24MAY19	----	----	28.17 - 2.70	----	----	12	UNCH
28MAY19	----	----	30.87 UNCH	----	----	12	UNCH
29MAY19	----	----	30.87 UNCH	----	----	12	UNCH
30MAY19	----	----	30.87 UNCH	----	----	12	UNCH
31MAY19	----	----	30.87 UNCH	----	----	12	UNCH
TOTAL AN FUT						192	- 12
D2 FUT NYISO ZONE G 5MW D AH O PK							
JUN19	----	----	19.90 - 0.43	----	----	21200	UNCH
JUL19	----	----	26.15 - 0.15	----	----	20776	UNCH
AUG19	----	----	25.05 - 0.10	----	----	20776	UNCH
SEP19	----	----	21.68 UNCH	----	----	21200	UNCH
OCT19	----	----	20.45 UNCH	----	----	19928	UNCH
NOV19	----	----	25.65 UNCH	----	----	21253	UNCH
DEC19	----	----	36.40 UNCH	----	----	29784	UNCH
JAN20	----	----	58.08 + 0.36	----	----	50960	UNCH
FEB20	----	----	55.12 - 0.16	----	----	48880	UNCH
MAR20	----	----	31.65 UNCH	----	----	11730	UNCH
APR20	----	----	23.25 - 0.15	----	----	18400	UNCH
MAY20	----	----	20.60 - 0.15	----	----	21200	UNCH
JUN20	----	----	21.25 - 0.15	----	----	18400	UNCH
JUL20	----	----	25.21 - 0.14	----	----	18800	UNCH
AUG20	----	----	24.29 - 0.16	----	----	20400	UNCH
SEP20	----	----	21.00 - 0.15	----	----	19200	UNCH
OCT20	----	----	21.17 - 0.71	----	----	19600	UNCH
NOV20	----	----	26.29 + 0.28	----	----	16040	UNCH
DEC20	----	----	38.49 + 0.43	----	----	15680	UNCH
JAN21	----	----	57.67 - 0.15	----	----	2120	UNCH
FEB21	----	----	54.33 - 0.15	----	----	1760	UNCH
MAR21	----	----	31.00 UNCH	----	----	1875	UNCH
TOTAL D2 FUT						439962	
T3 FUT NYISO ZONE G 5MW D AH PK							
JUN19	----	----	28.37 - 0.40	----	----	640	UNCH
JUL19	----	----	37.53 - 0.45	----	----	836	UNCH
AUG19	----	----	35.93 - 0.32	----	----	836	UNCH
SEP19	----	----	32.13 + 0.33	----	----	640	UNCH
OCT19	----	----	29.55 + 0.05	----	----	736	UNCH
NOV19	----	----	33.00 + 0.10	----	----	740	UNCH
DEC19	----	----	47.50 + 0.10	----	----	777	UNCH
JAN20	----	----	66.93 + 0.60	----	----	1628	UNCH
FEB20	----	----	64.07 + 0.60	----	----	1480	UNCH
MAR20	----	----	40.40 - 0.10	----	----	308	UNCH
APR20	----	----	31.80 + 0.05	----	----	748	UNCH
MAY20	----	----	29.80 + 0.05	----	----	680	UNCH

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
T3 FUT NYISO ZONE G 5MW D AH PK								
JUN20	----	----	31.55 + 0.05		----	----	748	UNCH
JUL20	----	----	38.93 - 0.05		----	----	782	UNCH
AUG20	----	----	35.47 - 0.05		----	----	714	UNCH
SEP20	----	----	31.95 - 0.05		----	----	714	UNCH
OCT20	----	----	31.25 + 0.10		----	----	748	UNCH
NOV20	----	----	34.00 - 0.05		----	----	480	UNCH
DEC20	----	----	46.50 - 0.05		----	----	528	UNCH
JAN21	----	----	66.75 - 0.04		----	----	100	UNCH
FEB21	----	----	64.25 - 0.06		----	----	100	UNCH
MAR21	----	----	40.50 UNCH		----	----	115	UNCH
APR21	----	----	32.15 - 0.45		----	----	220	UNCH
MAY21	----	----	29.85 - 0.50		----	----	200	UNCH
JUN21	----	----	31.25 - 0.35		----	----	220	UNCH
JUL21	----	----	41.62 - 0.34		----	----	210	UNCH
AUG21	----	----	38.38 - 0.36		----	----	220	UNCH
SEP21	----	----	34.75 - 0.35		----	----	210	UNCH
OCT21	----	----	32.84 UNCH		----	----	210	UNCH
NOV21	----	----	38.96 + 0.50		----	----	210	UNCH
DEC21	----	----	50.90 + 0.69		----	----	230	UNCH
TOTAL T3 FUT							17008	
ZGO FUT NYISO ZONE G DA OP DAILY								
16MAY19	----	----	15.65 UNCH		----	----	0	424
17MAY19	----	----	15.14 UNCH		----	----	424	UNCH
18MAY19	----	----	18.19 UNCH		----	----	1272	UNCH
19MAY19	----	----	17.03 UNCH		----	----	1272	UNCH
20MAY19	----	----	17.10 UNCH		----	----	424	UNCH
21MAY19	----	----	17.58 UNCH		----	----	424	UNCH
22MAY19	----	----	16.01 UNCH		----	----	424	UNCH
23MAY19	----	----	15.28 UNCH		----	----	424	UNCH
24MAY19	----	----	16.33 - 3.65		----	----	424	UNCH
25MAY19	----	----	19.98 UNCH		----	----	1272	UNCH
26MAY19	----	----	19.98 UNCH		----	----	1272	UNCH
27MAY19	----	----	19.98 UNCH		----	----	1272	UNCH
28MAY19	----	----	19.98 UNCH		----	----	424	UNCH
29MAY19	----	----	19.98 UNCH		----	----	424	UNCH
30MAY19	----	----	19.98 UNCH		----	----	424	UNCH
31MAY19	----	----	19.98 UNCH		----	----	424	UNCH
TOTAL ZGO FUT							10600	424
D4 FUT NYISO ZONE J 5MW D AH O PK								
JUN19	----	----	21.75 - 0.10		----	----	12000	UNCH
JUL19	----	----	29.05 - 0.15		----	----	11760	UNCH
AUG19	----	----	26.50 - 0.10		----	----	11760	UNCH
SEP19	----	----	22.43 UNCH		----	----	12000	UNCH
OCT19	----	----	21.38 UNCH		----	----	11280	UNCH
NOV19	----	----	27.40 UNCH		----	----	12030	UNCH
DEC19	----	----	37.65 UNCH		----	----	12240	UNCH
JAN20	----	----	61.29 + 0.36		----	----	1176	UNCH
FEB20	----	----	57.41 - 0.16		----	----	1128	UNCH
MAR20	----	----	33.75 UNCH		----	----	1173	UNCH
APR20	----	----	24.85 - 0.15		----	----	1104	UNCH
MAY20	----	----	21.35 - 0.15		----	----	1272	UNCH
JUN20	----	----	22.35 - 0.15		----	----	1104	UNCH
JUL20	----	----	27.27 - 0.14		----	----	1128	UNCH
AUG20	----	----	26.23 - 0.16		----	----	1224	UNCH
SEP20	----	----	22.10 - 0.15		----	----	1152	UNCH
OCT20	----	----	22.30 - 0.71		----	----	1176	UNCH
NOV20	----	----	27.66 + 0.28		----	----	1203	UNCH
DEC20	----	----	40.49 + 0.43		----	----	1176	UNCH
TOTAL D4 FUT							97086	
D3 FUT NYISO ZONE J 5MW D AH PK								
JUN19	----	----	31.43 - 0.70		----	----	1000	UNCH
JUL19	----	----	43.33 + 0.05		----	----	1210	UNCH
AUG19	----	----	41.13 + 0.18		----	----	1100	UNCH
SEP19	----	----	35.12 + 0.52		----	----	700	UNCH
OCT19	----	----	31.88 + 0.05		----	----	805	UNCH
NOV19	----	----	36.85 + 0.10		----	----	700	UNCH
DEC19	----	----	50.75 + 0.10		----	----	735	UNCH
JAN20	----	----	74.23 + 0.52		----	----	176	UNCH
FEB20	----	----	68.47 + 0.48		----	----	160	UNCH
MAR20	----	----	44.55 - 0.20		----	----	176	UNCH
APR20	----	----	35.05 - 0.10		----	----	176	UNCH
MAY20	----	----	32.55 + 0.05		----	----	160	UNCH
JUN20	----	----	34.65 UNCH		----	----	176	UNCH
JUL20	----	----	44.37 - 0.05		----	----	184	UNCH
AUG20	----	----	41.03 - 0.05		----	----	168	UNCH
SEP20	----	----	35.45 - 0.05		----	----	168	UNCH
OCT20	----	----	34.87 - 0.58		----	----	176	UNCH
NOV20	----	----	37.89 - 0.07		----	----	160	UNCH
DEC20	----	----	50.84 + 0.51		----	----	176	UNCH
TOTAL D3 FUT							8306	
ZJO FUT NYISO ZONE J DA OP DAILY								
16MAY19	----	----	17.86 UNCH		----	----	0	240
17MAY19	----	----	15.83 UNCH		----	----	240	UNCH
18MAY19	----	----	21.71 UNCH		----	----	720	UNCH
19MAY19	----	----	21.15 UNCH		----	----	720	UNCH
20MAY19	----	----	18.91 UNCH		----	----	240	UNCH
21MAY19	----	----	19.04 UNCH		----	----	240	UNCH
22MAY19	----	----	16.63 UNCH		----	----	240	UNCH
23MAY19	----	----	15.71 UNCH		----	----	240	UNCH
24MAY19	----	----	17.23 - 4.17		----	----	240	UNCH
25MAY19	----	----	21.40 UNCH		----	----	720	UNCH
26MAY19	----	----	21.40 UNCH		----	----	720	UNCH
27MAY19	----	----	21.40 UNCH		----	----	720	UNCH
28MAY19	----	----	21.40 UNCH		----	----	240	UNCH
29MAY19	----	----	21.40 UNCH		----	----	240	UNCH
30MAY19	----	----	21.40 UNCH		----	----	240	UNCH
31MAY19	----	----	21.40 UNCH		----	----	240	UNCH
TOTAL ZJO FUT							6000	240
V3 FUT PJM AD HUB 5MW REAL TIME O PK								
JUN19	----	----	22.09 - 0.05		----	----	8800	UNCH
JUL19	----	----	24.90 + 0.08		----	----	8624	UNCH
AUG19	----	----	23.35 + 0.07		----	----	8624	UNCH

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PG61 BULLETIN # 99@

ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	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						
SEP19	----	----	23.71 - 0.24	----	----	8800	UNCH
OCT19	----	----	24.87 + 0.17	----	----	8272	UNCH
NOV19	----	----	24.77 + 0.27	----	----	8822	UNCH
DEC19	----	----	27.91 - 0.44	----	----	8976	UNCH
JAN20	----	----	36.18 - 0.01	----	----	5880	UNCH
FEB20	----	----	32.52 - 0.04	----	----	5640	UNCH
MAR20	----	----	27.21 - 0.15	----	----	5865	UNCH
APR20	----	----	24.69 - 0.15	----	----	5520	UNCH
MAY20	----	----	22.48 - 0.07	----	----	6360	UNCH
JUN20	----	----	22.20 - 0.10	----	----	5520	UNCH
JUL20	----	----	24.87 - 0.02	----	----	5640	UNCH
AUG20	----	----	22.93 - 0.03	----	----	6120	UNCH
SEP20	----	----	22.55 - 0.03	----	----	5760	UNCH
OCT20	----	----	23.06 - 0.05	----	----	5880	UNCH
NOV20	----	----	23.62 - 0.09	----	----	6015	UNCH
DEC20	----	----	25.77 - 0.09	----	----	5880	UNCH
JAN21	----	----	34.45 - 0.10	----	----	2120	UNCH
FEB21	----	----	31.60 - 0.11	----	----	1760	UNCH
MAR21	----	----	26.99 - 0.04	----	----	1875	UNCH
APR21	----	----	23.44 - 0.01	----	----	1840	UNCH
MAY21	----	----	21.58 - 0.03	----	----	2120	UNCH
JUN21	----	----	21.48 - 0.03	----	----	1840	UNCH
JUL21	----	----	24.29 UNCH	----	----	2040	UNCH
AUG21	----	----	22.38 - 0.02	----	----	1960	UNCH
SEP21	----	----	21.58 - 0.03	----	----	1920	UNCH
OCT21	----	----	21.83 - 0.02	----	----	2040	UNCH
NOV21	----	----	22.13 - 0.02	----	----	1925	UNCH
DEC21	----	----	24.64 - 0.05	----	----	1880	UNCH
JAN22	----	----	33.77 - 0.11	----	----	2040	UNCH
FEB22	----	----	30.96 - 0.12	----	----	1760	UNCH
MAR22	----	----	26.30 + 0.01	----	----	1875	UNCH
APR22	----	----	22.78 - 0.01	----	----	1920	UNCH
MAY22	----	----	21.33 + 0.04	----	----	2040	UNCH
JUN22	----	----	21.08 + 0.04	----	----	1840	UNCH
JUL22	----	----	23.74 UNCH	----	----	2120	UNCH
AUG22	----	----	22.08 + 0.04	----	----	1880	UNCH
SEP22	----	----	21.03 + 0.04	----	----	1920	UNCH
OCT22	----	----	20.98 + 0.04	----	----	2040	UNCH
NOV22	----	----	21.38 + 0.04	----	----	1925	UNCH
DEC22	----	----	23.33 - 0.01	----	----	2040	UNCH
TOTAL V3 FUT						177718	
Z9 FUT	PJM AD HUB 5MW REAL TIME PK						
JUN19	----	----	30.80 + 0.16	----	----	380	UNCH
JUL19	----	----	36.46 + 0.27	----	----	418	UNCH
AUG19	----	----	34.46 - 0.27	----	----	418	UNCH
SEP19	----	----	33.79 + 0.19	----	----	380	UNCH
OCT19	----	----	32.04 - 0.22	----	----	437	UNCH
NOV19	----	----	32.34 - 0.16	----	----	380	UNCH
DEC19	----	----	34.28 + 0.04	----	----	399	UNCH
JAN20	----	----	43.18 - 0.01	----	----	924	UNCH
FEB20	----	----	40.67 - 0.04	----	----	840	UNCH
MAR20	----	----	35.08 - 0.19	----	----	924	UNCH
APR20	----	----	32.02 - 0.16	----	----	924	UNCH
MAY20	----	----	31.78 - 0.22	----	----	840	UNCH
JUN20	----	----	31.83 - 0.25	----	----	924	UNCH
JUL20	----	----	37.35 - 0.22	----	----	966	UNCH
AUG20	----	----	34.55 - 0.23	----	----	882	UNCH
SEP20	----	----	32.70 - 0.25	----	----	882	UNCH
OCT20	----	----	31.15 + 0.04	----	----	924	UNCH
NOV20	----	----	31.25 - 0.27	----	----	840	UNCH
DEC20	----	----	33.91 - 0.06	----	----	924	UNCH
JAN21	----	----	42.42 + 0.05	----	----	100	UNCH
FEB21	----	----	38.89 + 0.03	----	----	100	UNCH
MAR21	----	----	33.45 - 0.07	----	----	115	UNCH
APR21	----	----	31.66 - 0.03	----	----	110	UNCH
MAY21	----	----	32.16 - 0.02	----	----	100	UNCH
JUN21	----	----	31.51 - 0.03	----	----	110	UNCH
JUL21	----	----	37.04 - 0.04	----	----	105	UNCH
AUG21	----	----	34.15 - 0.06	----	----	110	UNCH
SEP21	----	----	31.46 - 0.03	----	----	105	UNCH
OCT21	----	----	30.86 + 0.01	----	----	105	UNCH
NOV21	----	----	31.01 + 0.01	----	----	105	UNCH
DEC21	----	----	32.06 + 0.03	----	----	115	UNCH
JAN22	----	----	41.60 - 0.12	----	----	105	UNCH
FEB22	----	----	38.21 - 0.13	----	----	100	UNCH
MAR22	----	----	33.19 UNCH	----	----	115	UNCH
APR22	----	----	31.35 UNCH	----	----	105	UNCH
MAY22	----	----	31.25 UNCH	----	----	105	UNCH
JUN22	----	----	30.75 UNCH	----	----	110	UNCH
JUL22	----	----	36.82 + 0.01	----	----	100	UNCH
AUG22	----	----	34.28 UNCH	----	----	115	UNCH
SEP22	----	----	30.85 UNCH	----	----	105	UNCH
OCT22	----	----	30.50 + 0.04	----	----	105	UNCH
NOV22	----	----	30.30 + 0.04	----	----	105	UNCH
DEC22	----	----	31.99 UNCH	----	----	105	UNCH
TOTAL Z9 FUT						16161	
PWO FUT	PJM AEP DAYTON HUB DA OP DAILY						
16MAY19	----	----	19.65 UNCH	----	----	0	40
17MAY19	----	----	18.58 UNCH	----	----	40	UNCH
18MAY19	----	----	25.64 UNCH	----	----	120	UNCH
19MAY19	----	----	23.82 UNCH	----	----	120	UNCH
20MAY19	----	----	19.12 UNCH	----	----	40	UNCH
21MAY19	----	----	18.84 UNCH	----	----	40	UNCH
22MAY19	----	----	17.84 UNCH	----	----	40	UNCH
23MAY19	----	----	18.09 UNCH	----	----	40	UNCH
24MAY19	----	----	18.43 - 4.70	----	----	40	UNCH
25MAY19	----	----	23.13 UNCH	----	----	120	UNCH
26MAY19	----	----	23.13 UNCH	----	----	120	UNCH
27MAY19	----	----	23.13 UNCH	----	----	120	UNCH
28MAY19	----	----	23.13 UNCH	----	----	40	UNCH
29MAY19	----	----	23.13 UNCH	----	----	40	UNCH
30MAY19	----	----	23.13 UNCH	----	----	40	UNCH
31MAY19	----	----	23.13 UNCH	----	----	40	UNCH
TOTAL PWO FUT						1000	40
PAP FUT	PJM AEP DAYTON HUB DA PEAK DAILY						

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ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
16MAY19	----	----	27.85	UNCH	----	----	0 - 10
17MAY19	----	----	29.99	UNCH	----	----	10 UNCH
20MAY19	----	----	28.40	UNCH	----	----	10 UNCH
21MAY19	----	----	23.46	UNCH	----	----	10 UNCH
22MAY19	----	----	27.85	UNCH	----	----	10 UNCH
23MAY19	----	----	32.35	UNCH	----	----	10 UNCH
24MAY19	----	----	27.15	- 3.10	----	----	10 UNCH
28MAY19	----	----	33.25	+ 2.25	----	----	10 UNCH
29MAY19	----	----	33.25	+ 2.25	----	----	10 UNCH
30MAY19	----	----	33.25	+ 2.25	----	----	10 UNCH
31MAY19	----	----	33.25	+ 2.25	----	----	10 UNCH
TOTAL PAP FUT							100 - 10
AOR FUT	PJM AEP DAYTON HUB RT OP DAILY						
15MAY19	----	----	21.28	UNCH	----	----	0 - 256
16MAY19	----	----	18.30	UNCH	----	----	256 UNCH
17MAY19	----	----	17.19	UNCH	----	----	256 UNCH
18MAY19	----	----	27.27	UNCH	----	----	768 UNCH
19MAY19	----	----	18.09	UNCH	----	----	768 UNCH
20MAY19	----	----	17.76	UNCH	----	----	256 UNCH
21MAY19	----	----	17.25	UNCH	----	----	256 UNCH
22MAY19	----	----	14.23	- 8.61	----	----	256 UNCH
23MAY19	----	----	22.84	UNCH	----	----	256 UNCH
24MAY19	----	----	22.84	UNCH	----	----	256 UNCH
25MAY19	----	----	22.84	UNCH	----	----	768 UNCH
26MAY19	----	----	22.84	UNCH	----	----	768 UNCH
27MAY19	----	----	22.84	UNCH	----	----	768 UNCH
28MAY19	----	----	22.84	UNCH	----	----	256 UNCH
29MAY19	----	----	22.84	UNCH	----	----	256 UNCH
30MAY19	----	----	22.84	UNCH	----	----	256 UNCH
31MAY19	----	----	22.84	UNCH	----	----	256 UNCH
TOTAL AOR FUT							6656 - 256
JD FUT	PJM DAILY						
21MAY19	----	----	20.73	UNCH	----	----	0 - 414
22MAY19	----	----	23.01	- 3.49	----	----	414 UNCH
23MAY19	----	----	32.00	UNCH	----	----	414 UNCH
24MAY19	----	----	28.00	- 2.75	----	----	414 UNCH
28MAY19	----	----	36.25	+ 2.00	----	----	414 UNCH
29MAY19	----	----	36.25	+ 2.00	----	----	414 UNCH
30MAY19	----	----	36.25	+ 2.00	----	----	414 UNCH
31MAY19	----	----	36.25	+ 2.00	----	----	414 UNCH
TOTAL JD FUT							2898 - 414
R7 FUT	PJM DAYTON DA OFF-PEAK						
JUN19	----	----	22.09	- 0.05	----	----	2000 UNCH
JUL19	----	----	24.90	+ 0.08	----	----	1960 UNCH
AUG19	----	----	23.35	+ 0.07	----	----	1960 UNCH
SEP19	----	----	23.71	- 0.24	----	----	2000 UNCH
OCT19	----	----	24.87	+ 0.17	----	----	1880 UNCH
NOV19	----	----	24.77	+ 0.27	----	----	2005 UNCH
DEC19	----	----	27.91	- 0.44	----	----	2040 UNCH
JAN20	----	----	36.18	- 0.01	----	----	3920 UNCH
FEB20	----	----	32.52	- 0.04	----	----	3760 UNCH
MAR20	----	----	27.21	- 0.15	----	----	3910 UNCH
APR20	----	----	24.69	- 0.15	----	----	3680 UNCH
MAY20	----	----	22.48	- 0.07	----	----	4240 UNCH
JUN20	----	----	22.20	- 0.10	----	----	3680 UNCH
JUL20	----	----	24.87	- 0.02	----	----	3760 UNCH
AUG20	----	----	22.93	- 0.03	----	----	4080 UNCH
SEP20	----	----	22.55	- 0.03	----	----	3840 UNCH
OCT20	----	----	23.06	- 0.05	----	----	3920 UNCH
NOV20	----	----	23.62	- 0.09	----	----	4010 UNCH
DEC20	----	----	25.77	- 0.09	----	----	3920 UNCH
TOTAL R7 FUT							60565
D7 FUT	PJM DAYTON DA PEAK						
JUN19	----	----	30.90	+ 0.16	----	----	200 UNCH
JUL19	----	----	36.56	+ 0.27	----	----	220 UNCH
AUG19	----	----	34.56	- 0.27	----	----	220 UNCH
SEP19	----	----	33.89	+ 0.19	----	----	200 UNCH
OCT19	----	----	32.14	- 0.22	----	----	230 UNCH
NOV19	----	----	32.44	- 0.16	----	----	200 UNCH
DEC19	----	----	34.38	+ 0.04	----	----	210 UNCH
JAN20	----	----	43.28	- 0.01	----	----	220 UNCH
FEB20	----	----	40.77	- 0.04	----	----	200 UNCH
MAR20	----	----	35.18	- 0.19	----	----	220 UNCH
APR20	----	----	32.12	- 0.16	----	----	220 UNCH
MAY20	----	----	31.88	- 0.22	----	----	200 UNCH
JUN20	----	----	31.93	- 0.25	----	----	220 UNCH
JUL20	----	----	37.45	- 0.22	----	----	230 UNCH
AUG20	----	----	34.65	- 0.23	----	----	210 UNCH
SEP20	----	----	32.80	- 0.25	----	----	210 UNCH
OCT20	----	----	31.25	+ 0.04	----	----	220 UNCH
NOV20	----	----	31.35	- 0.27	----	----	200 UNCH
DEC20	----	----	34.01	- 0.06	----	----	220 UNCH
TOTAL D7 FUT							4050
46 FUT	PJM METED ZONE OFFPK CAL LMP						
MAY19	----	----	19.32	- 0.02	----	----	784 UNCH
JUN19	----	----	19.31	+ 0.11	----	----	800 UNCH
JUL19	----	----	23.34	- 0.46	----	----	784 UNCH
AUG19	----	----	22.20	+ 0.23	----	----	784 UNCH
SEP19	----	----	19.51	- 0.19	----	----	800 UNCH
OCT19	----	----	20.34	- 0.10	----	----	752 UNCH
NOV19	----	----	21.49	- 0.24	----	----	802 UNCH
DEC19	----	----	29.43	- 0.30	----	----	816 UNCH
JAN20	----	----	46.70	- 0.01	----	----	784 UNCH
FEB20	----	----	43.38	UNCH	----	----	752 UNCH
MAR20	----	----	26.23	- 0.03	----	----	782 UNCH
APR20	----	----	20.65	- 0.06	----	----	736 UNCH
MAY20	----	----	18.52	UNCH	----	----	848 UNCH
JUN20	----	----	18.12	- 0.01	----	----	736 UNCH
JUL20	----	----	23.32	+ 0.07	----	----	752 UNCH
AUG20	----	----	21.51	+ 0.10	----	----	816 UNCH
SEP20	----	----	18.18	- 0.01	----	----	768 UNCH
OCT20	----	----	18.98	- 0.03	----	----	784 UNCH
NOV20	----	----	20.14	- 0.06	----	----	802 UNCH

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ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
46 FUT	PJM METED ZONE OFFPK CAL LMP						
DEC20	----	----	27.08 - 0.02	----	----	784	UNCH
TOTAL 46 FUT						15666	
47 FUT	PJM METED ZONE PEAK CAL LMP						
MAY19	----	----	24.86 - 0.31	----	----	44	UNCH
JUN19	----	----	27.91 + 0.08	----	----	40	UNCH
JUL19	----	----	35.25 + 0.17	----	----	44	UNCH
AUG19	----	----	34.23 + 0.37	----	----	44	UNCH
SEP19	----	----	28.95 + 0.15	----	----	40	UNCH
OCT19	----	----	27.30 UNCH	----	----	46	UNCH
NOV19	----	----	28.09 - 0.16	----	----	40	UNCH
DEC19	----	----	36.15 - 0.07	----	----	42	UNCH
JAN20	----	----	55.63 + 0.10	----	----	44	UNCH
FEB20	----	----	52.16 + 0.05	----	----	40	UNCH
MAR20	----	----	34.34 - 0.04	----	----	44	UNCH
APR20	----	----	27.84 - 0.05	----	----	44	UNCH
MAY20	----	----	27.70 - 0.12	----	----	40	UNCH
JUN20	----	----	28.54 - 0.11	----	----	44	UNCH
JUL20	----	----	36.72 - 0.03	----	----	46	UNCH
AUG20	----	----	33.47 - 0.06	----	----	42	UNCH
SEP20	----	----	28.04 - 0.09	----	----	42	UNCH
OCT20	----	----	26.66 + 0.02	----	----	44	UNCH
NOV20	----	----	27.55 - 0.13	----	----	40	UNCH
DEC20	----	----	35.03 + 0.05	----	----	44	UNCH
TOTAL 47 FUT						854	
JM FUT	PJM MONTHLY						
MAY19	----	----	34.60 + 1.31	----	----	40	UNCH
JUN19	----	----	30.27 + 0.19	----	----	40	UNCH
JUL19	----	----	35.95 + 0.04	----	----	40	UNCH
AUG19	----	----	34.48 + 0.23	----	----	40	UNCH
SEP19	----	----	32.93 + 0.25	----	----	40	UNCH
OCT19	----	----	31.41 + 0.07	----	----	40	UNCH
NOV19	----	----	32.17 - 0.13	----	----	40	UNCH
DEC19	----	----	35.95 - 0.07	----	----	40	UNCH
TOTAL JM FUT						320	
B6 FUT	PJM NI HUB 5MW REAL TIME O PK						
JUN19	----	----	19.48 - 0.10	----	----	7600	UNCH
JUL19	----	----	22.98 + 0.12	----	----	7448	UNCH
AUG19	----	----	21.32 + 0.08	----	----	7448	UNCH
SEP19	----	----	19.96 - 0.24	----	----	7600	UNCH
OCT19	----	----	20.78 + 0.04	----	----	7144	UNCH
NOV19	----	----	21.18 + 0.04	----	----	7619	UNCH
DEC19	----	----	22.53 + 0.06	----	----	7752	UNCH
JAN20	----	----	28.27 - 0.08	----	----	1960	UNCH
FEB20	----	----	26.58 - 0.07	----	----	1880	UNCH
MAR20	----	----	23.75 - 0.15	----	----	1955	UNCH
APR20	----	----	19.50 - 0.15	----	----	1840	UNCH
MAY20	----	----	18.53 - 0.07	----	----	2120	UNCH
JUN20	----	----	18.48 - 0.10	----	----	1840	UNCH
JUL20	----	----	22.00 + 0.05	----	----	1880	UNCH
AUG20	----	----	19.80 + 0.05	----	----	2040	UNCH
SEP20	----	----	18.50 - 0.03	----	----	1920	UNCH
OCT20	----	----	18.78 - 0.03	----	----	1960	UNCH
NOV20	----	----	19.18 - 0.03	----	----	2005	UNCH
DEC20	----	----	21.28 - 0.02	----	----	1960	UNCH
TOTAL B6 FUT						75971	
B3 FUT	PJM NI HUB 5MW REAL TIME PK						
JUN19	----	----	28.26 + 0.06	----	----	980	UNCH
JUL19	----	----	34.15 + 0.31	----	----	1078	UNCH
AUG19	----	----	31.42 - 0.27	----	----	1078	UNCH
SEP19	----	----	29.90 + 0.16	----	----	980	UNCH
OCT19	----	----	28.44 - 0.21	----	----	782	UNCH
NOV19	----	----	29.04 - 0.10	----	----	680	UNCH
DEC19	----	----	30.68 - 0.10	----	----	714	UNCH
JAN20	----	----	37.05 + 0.03	----	----	110	UNCH
FEB20	----	----	34.55 + 0.02	----	----	100	UNCH
MAR20	----	----	30.82 - 0.15	----	----	110	UNCH
APR20	----	----	29.33 + 0.05	----	----	110	UNCH
MAY20	----	----	27.83 - 0.17	----	----	100	UNCH
JUN20	----	----	28.28 + 0.08	----	----	110	UNCH
JUL20	----	----	34.74 - 0.22	----	----	115	UNCH
AUG20	----	----	31.41 - 0.23	----	----	105	UNCH
SEP20	----	----	28.15 - 0.43	----	----	105	UNCH
OCT20	----	----	27.14 + 0.15	----	----	110	UNCH
NOV20	----	----	27.39 - 0.14	----	----	100	UNCH
DEC20	----	----	29.63 + 0.07	----	----	110	UNCH
TOTAL B3 FUT						7577	
L3 FUT	PJM NILL DA OFF-PEAK						
JUN19	----	----	19.53 - 0.10	----	----	13600	UNCH
JUL19	----	----	23.03 + 0.12	----	----	13328	UNCH
AUG19	----	----	21.37 + 0.08	----	----	13328	UNCH
SEP19	----	----	20.01 - 0.24	----	----	13600	UNCH
OCT19	----	----	20.83 + 0.04	----	----	12784	UNCH
NOV19	----	----	21.23 + 0.04	----	----	13634	UNCH
DEC19	----	----	22.58 + 0.06	----	----	13872	UNCH
TOTAL L3 FUT						94146	
N3 FUT	PJM NILL DA PEAK						
JUN19	----	----	28.26 + 0.06	----	----	780	UNCH
JUL19	----	----	34.15 + 0.31	----	----	858	UNCH
AUG19	----	----	31.42 - 0.27	----	----	858	UNCH
SEP19	----	----	29.90 + 0.16	----	----	780	UNCH
OCT19	----	----	28.44 - 0.21	----	----	897	UNCH
NOV19	----	----	29.04 - 0.10	----	----	780	UNCH
DEC19	----	----	30.68 - 0.10	----	----	819	UNCH
TOTAL N3 FUT						5772	
PNO FUT	PJM NORTERN ILL HUB DA OP DAILY						
16MAY19	----	----	18.49 UNCH	----	----	0	272
17MAY19	----	----	17.08 UNCH	----	----	272	UNCH
18MAY19	----	----	22.79 UNCH	----	----	816	UNCH
19MAY19	----	----	17.53 UNCH	----	----	816	UNCH
20MAY19	----	----	13.80 UNCH	----	----	272	UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
PJM NORTERN ILL HUB DA OP DAILY							
PNO FUT							
21MAY19	----	----	15.00 UNCH	----	----	272	UNCH
22MAY19	----	----	12.36 UNCH	----	----	272	UNCH
23MAY19	----	----	9.61 UNCH	----	----	272	UNCH
24MAY19	----	----	9.03 - 10.47	----	----	272	UNCH
25MAY19	----	----	19.50 UNCH	----	----	816	UNCH
26MAY19	----	----	19.50 UNCH	----	----	816	UNCH
27MAY19	----	----	19.50 UNCH	----	----	816	UNCH
28MAY19	----	----	19.50 UNCH	----	----	272	UNCH
29MAY19	----	----	19.50 UNCH	----	----	272	UNCH
30MAY19	----	----	19.50 UNCH	----	----	272	UNCH
31MAY19	----	----	19.50 UNCH	----	----	272	UNCH
TOTAL PNO FUT						6800	- 272
PJM NORTERN ILL HUB DA PEAK DAILY							
PNP FUT							
16MAY19	----	----	27.19 UNCH	----	----	0	- 39
17MAY19	----	----	27.73 UNCH	----	----	39	UNCH
20MAY19	----	----	24.82 UNCH	----	----	39	UNCH
21MAY19	----	----	21.10 UNCH	----	----	39	UNCH
22MAY19	----	----	21.07 UNCH	----	----	39	UNCH
23MAY19	----	----	25.17 UNCH	----	----	39	UNCH
24MAY19	----	----	20.95 - 5.05	----	----	39	UNCH
28MAY19	----	----	27.50 UNCH	----	----	39	UNCH
29MAY19	----	----	27.50 UNCH	----	----	39	UNCH
30MAY19	----	----	27.50 UNCH	----	----	39	UNCH
31MAY19	----	----	27.50 UNCH	----	----	39	UNCH
TOTAL PNP FUT						390	- 39
PJM NORTERN ILL HUB RT OP DAILY							
NOC FUT							
15MAY19	----	----	20.73 UNCH	----	----	0	- 152
16MAY19	----	----	17.25 UNCH	----	----	152	UNCH
17MAY19	----	----	16.55 UNCH	----	----	152	UNCH
18MAY19	----	----	21.32 UNCH	----	----	456	UNCH
19MAY19	----	----	8.30 UNCH	----	----	456	UNCH
20MAY19	----	----	17.00 UNCH	----	----	152	UNCH
21MAY19	----	----	10.35 UNCH	----	----	152	UNCH
22MAY19	----	----	5.02 - 14.17	----	----	152	UNCH
23MAY19	----	----	19.19 UNCH	----	----	152	UNCH
24MAY19	----	----	19.19 UNCH	----	----	152	UNCH
25MAY19	----	----	19.19 UNCH	----	----	456	UNCH
26MAY19	----	----	19.19 UNCH	----	----	456	UNCH
27MAY19	----	----	19.19 UNCH	----	----	456	UNCH
28MAY19	----	----	19.19 UNCH	----	----	152	UNCH
29MAY19	----	----	19.19 UNCH	----	----	152	UNCH
30MAY19	----	----	19.19 UNCH	----	----	152	UNCH
31MAY19	----	----	19.19 UNCH	----	----	152	UNCH
TOTAL NOC FUT						3952	- 152
PJM PECO Z5 MW OFPK CLM DA LMP							
4P FUT							
JUN19	----	----	19.26 + 0.11	----	----	8000	UNCH
JUL19	----	----	22.21 - 0.45	----	----	7840	UNCH
AUG19	----	----	21.19 + 0.21	----	----	7840	UNCH
SEP19	----	----	18.12 - 0.19	----	----	8000	UNCH
OCT19	----	----	18.94 - 0.11	----	----	7520	UNCH
NOV19	----	----	21.24 - 0.24	----	----	8020	UNCH
DEC19	----	----	27.65 - 0.30	----	----	8160	UNCH
TOTAL 4P FUT						55380	
PJM PECO Z5 MW PK CLM DA LMP							
4N FUT							
JUN19	----	----	25.94 - 0.23	----	----	400	UNCH
JUL19	----	----	34.20 + 0.15	----	----	440	UNCH
AUG19	----	----	32.17 + 0.32	----	----	440	UNCH
SEP19	----	----	27.64 + 0.11	----	----	400	UNCH
OCT19	----	----	26.85 UNCH	----	----	460	UNCH
NOV19	----	----	27.64 - 0.17	----	----	400	UNCH
DEC19	----	----	35.55 - 0.07	----	----	420	UNCH
TOTAL 4N FUT						2960	
PJM PSEG DA OFF-PEAK							
W6 FUT							
MAY19	----	----	19.08 - 0.05	----	----	3920	UNCH
JUN19	----	----	19.01 + 0.10	----	----	10000	UNCH
JUL19	----	----	22.90 - 0.46	----	----	9800	UNCH
AUG19	----	----	21.95 + 0.22	----	----	9800	UNCH
SEP19	----	----	19.26 - 0.19	----	----	10000	UNCH
OCT19	----	----	20.39 - 0.10	----	----	9400	UNCH
NOV19	----	----	21.29 - 0.24	----	----	10025	UNCH
DEC19	----	----	29.33 - 0.30	----	----	10200	UNCH
TOTAL W6 FUT						73145	
PJM PSEG DA PEAK							
L6 FUT							
MAY19	----	----	24.09 - 0.41	----	----	110	UNCH
JUN19	----	----	26.75 + 0.04	----	----	500	UNCH
JUL19	----	----	35.60 + 0.18	----	----	550	UNCH
AUG19	----	----	33.62 + 0.35	----	----	550	UNCH
SEP19	----	----	28.75 + 0.14	----	----	500	UNCH
OCT19	----	----	27.65 + 0.01	----	----	575	UNCH
NOV19	----	----	28.34 - 0.16	----	----	500	UNCH
DEC19	----	----	36.10 - 0.07	----	----	525	UNCH
TOTAL L6 FUT						3810	
PJM WESTERN HUB DA OP DAILY FUT							
PWO FUT							
16MAY19	----	----	19.76 UNCH	----	----	0	- 256
17MAY19	----	----	18.37 UNCH	----	----	256	UNCH
18MAY19	----	----	25.74 UNCH	----	----	768	UNCH
19MAY19	----	----	24.28 UNCH	----	----	768	UNCH
20MAY19	----	----	20.21 UNCH	----	----	256	UNCH
21MAY19	----	----	19.77 UNCH	----	----	256	UNCH
22MAY19	----	----	18.22 UNCH	----	----	256	UNCH
23MAY19	----	----	18.49 UNCH	----	----	256	UNCH
24MAY19	----	----	18.27 - 4.16	----	----	256	UNCH
25MAY19	----	----	22.43 UNCH	----	----	768	UNCH
26MAY19	----	----	22.43 UNCH	----	----	768	UNCH
27MAY19	----	----	22.43 UNCH	----	----	768	UNCH
28MAY19	----	----	22.43 UNCH	----	----	256	UNCH
29MAY19	----	----	22.43 UNCH	----	----	256	UNCH
30MAY19	----	----	22.43 UNCH	----	----	256	UNCH
31MAY19	----	----	22.43 UNCH	----	----	256	UNCH

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TOTAL PWO FUT								6400	- 256
PWP FUT	PJM WESTERN HUB DA PEAK DAILY								
16MAY19		----	----	27.70	UNCH	----	----	0	- 32
17MAY19		----	----	29.18	UNCH	----	----	32	UNCH
20MAY19		----	----	30.21	UNCH	----	----	32	UNCH
21MAY19		----	----	25.43	UNCH	----	----	32	UNCH
22MAY19		----	----	28.26	UNCH	----	----	32	UNCH
23MAY19		----	----	33.38	UNCH	----	----	32	UNCH
24MAY19		----	----	27.59	- 3.16	----	----	32	UNCH
28MAY19		----	----	36.25	+ 2.00	----	----	32	UNCH
29MAY19		----	----	36.25	+ 2.00	----	----	32	UNCH
30MAY19		----	----	36.25	+ 2.00	----	----	32	UNCH
31MAY19		----	----	36.25	+ 2.00	----	----	32	UNCH
TOTAL PWP FUT								320	- 32
WOR FUT	PJM WESTERN HUB RT OP DAILY								
15MAY19		----	----	21.36	UNCH	----	----	0	- 944
16MAY19		----	----	18.34	UNCH	----	----	944	UNCH
17MAY19		----	----	17.21	UNCH	----	----	944	UNCH
18MAY19		----	----	28.72	UNCH	----	----	2832	UNCH
19MAY19		----	----	28.85	UNCH	----	----	2832	UNCH
20MAY19		----	----	18.33	UNCH	----	----	944	UNCH
21MAY19		----	----	17.39	UNCH	----	----	944	UNCH
22MAY19		----	----	14.01	- 7.95	----	----	944	UNCH
23MAY19		----	----	21.96	UNCH	----	----	944	UNCH
24MAY19		----	----	21.96	UNCH	----	----	944	UNCH
25MAY19		----	----	21.96	UNCH	----	----	2832	UNCH
26MAY19		----	----	21.96	UNCH	----	----	2832	UNCH
27MAY19		----	----	21.96	UNCH	----	----	2832	UNCH
28MAY19		----	----	21.96	UNCH	----	----	944	UNCH
29MAY19		----	----	21.96	UNCH	----	----	944	UNCH
30MAY19		----	----	21.96	UNCH	----	----	944	UNCH
31MAY19		----	----	21.96	UNCH	----	----	944	UNCH
TOTAL WOR FUT								24544	- 944
E4 FUT	PJM WESTH DA OFF-PEAK								
JUN19		----	----	21.87	+ 0.05	----	----	12800	UNCH
JUL19		----	----	24.37	- 0.43	----	----	12544	UNCH
AUG19		----	----	23.26	+ 0.24	----	----	12544	UNCH
SEP19		----	----	23.13	- 0.18	----	----	12800	UNCH
OCT19		----	----	24.12	- 0.10	----	----	12032	UNCH
NOV19		----	----	24.65	- 0.28	----	----	12832	UNCH
DEC19		----	----	29.08	- 0.40	----	----	13056	UNCH
JAN20		----	----	43.15	- 0.04	----	----	8624	UNCH
FEB20		----	----	39.83	- 0.03	----	----	8272	UNCH
MAR20		----	----	28.38	- 0.01	----	----	8602	UNCH
APR20		----	----	24.04	- 0.04	----	----	8096	UNCH
MAY20		----	----	22.02	+ 0.02	----	----	9328	UNCH
JUN20		----	----	21.67	UNCH	----	----	736	UNCH
JUL20		----	----	24.12	+ 0.07	----	----	752	UNCH
AUG20		----	----	22.66	+ 0.11	----	----	816	UNCH
SEP20		----	----	22.03	+ 0.01	----	----	768	UNCH
OCT20		----	----	22.68	UNCH	----	----	784	UNCH
NOV20		----	----	23.28	- 0.05	----	----	802	UNCH
DEC20		----	----	27.48	- 0.02	----	----	784	UNCH
TOTAL E4 FUT								136972	
N9 FUT	PJM WESTH RT OFF-PEAK								
JUN19		----	----	21.82	+ 0.05	----	----	24800	UNCH
JUL19		----	----	24.32	- 0.43	----	----	50568	UNCH
AUG19		----	----	23.21	+ 0.24	----	----	50568	UNCH
SEP19		----	----	23.08	- 0.18	----	----	20800	UNCH
OCT19		----	----	24.07	- 0.10	----	----	19552	UNCH
NOV19		----	----	24.60	- 0.28	----	----	20852	UNCH
DEC19		----	----	29.03	- 0.40	----	----	21216	UNCH
JAN20		----	----	43.10	- 0.04	----	----	17640	UNCH
FEB20		----	----	39.78	- 0.03	----	----	16920	UNCH
MAR20		----	----	28.33	- 0.01	----	----	14858	UNCH
APR20		----	----	23.99	- 0.04	----	----	13984	UNCH
MAY20		----	----	21.97	+ 0.02	----	----	16112	UNCH
JUN20		----	----	21.62	UNCH	----	----	9200	UNCH
JUL20		----	----	24.07	+ 0.07	----	----	9400	UNCH
AUG20		----	----	22.61	+ 0.11	----	----	10200	UNCH
SEP20		----	----	21.98	+ 0.01	----	----	9600	UNCH
OCT20		----	----	22.63	UNCH	----	----	9800	UNCH
NOV20		----	----	23.23	- 0.05	----	----	10025	UNCH
DEC20		----	----	27.43	- 0.02	----	----	9800	UNCH
JAN21		----	----	42.02	+ 0.01	----	----	8480	UNCH
FEB21		----	----	38.68	- 0.01	----	----	7040	UNCH
MAR21		----	----	28.10	+ 0.02	----	----	7500	UNCH
APR21		----	----	23.52	+ 0.03	----	----	7360	UNCH
MAY21		----	----	20.93	UNCH	----	----	8480	UNCH
JUN21		----	----	20.93	UNCH	----	----	7360	UNCH
JUL21		----	----	23.80	UNCH	----	----	8160	UNCH
AUG21		----	----	21.90	UNCH	----	----	7840	UNCH
SEP21		----	----	20.98	UNCH	----	----	7680	UNCH
OCT21		----	----	22.03	+ 0.01	----	----	8160	UNCH
NOV21		----	----	22.38	+ 0.01	----	----	7700	UNCH
DEC21		----	----	25.95	- 0.01	----	----	7520	UNCH
JAN22		----	----	41.20	- 0.04	----	----	18360	UNCH
FEB22		----	----	38.25	- 0.06	----	----	15840	UNCH
MAR22		----	----	28.20	+ 0.04	----	----	16875	UNCH
APR22		----	----	23.05	+ 0.02	----	----	17280	UNCH
MAY22		----	----	21.20	+ 0.06	----	----	18360	UNCH
JUN22		----	----	20.95	+ 0.06	----	----	16560	UNCH
JUL22		----	----	23.60	+ 0.02	----	----	19080	UNCH
AUG22		----	----	21.85	+ 0.06	----	----	16920	UNCH
SEP22		----	----	20.90	+ 0.06	----	----	17280	UNCH
OCT22		----	----	21.35	+ 0.06	----	----	18360	UNCH
NOV22		----	----	21.65	+ 0.06	----	----	17325	UNCH
DEC22		----	----	25.00	+ 0.03	----	----	18360	UNCH
TOTAL N9 FUT								659775	
L1 FUT	PJM WESTH RT PEAK								
JUN19		----	----	30.27	+ 0.19	----	2660	9340	UNCH
JUL19		----	----	35.95	+ 0.04	----	2926	10758	UNCH
AUG19		----	----	34.48	+ 0.23	----	2926	10758	UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
L1 FUT	PJM WESTH RT PEAK						
SEP19	----	----	32.93 + 0.25	----	2660	9540	UNCH
OCT19	----	----	31.41 + 0.07	----	3059	11040	UNCH
NOV19	----	----	32.17 - 0.13	----	2660	9600	UNCH
DEC19	----	----	35.95 - 0.07	----	2793	10080	UNCH
JAN20	----	----	50.72 + 0.05	----	----	924	UNCH
FEB20	----	----	47.46 + 0.01	----	----	840	UNCH
MAR20	----	----	35.89 - 0.03	----	----	924	UNCH
APR20	----	----	31.64 - 0.02	----	----	924	UNCH
MAY20	----	----	31.34 - 0.09	----	----	840	UNCH
JUN20	----	----	31.38 - 0.10	----	----	1034	UNCH
JUL20	----	----	37.27 - 0.02	----	----	2300	UNCH
AUG20	----	----	33.92 - 0.05	----	----	2100	UNCH
SEP20	----	----	32.28 - 0.07	----	----	987	UNCH
OCT20	----	----	30.93 + 0.12	----	----	1034	UNCH
NOV20	----	----	31.13 - 0.17	----	----	940	UNCH
DEC20	----	----	34.73 + 0.05	----	----	1034	UNCH
JAN21	----	----	49.90 + 0.06	----	----	340	UNCH
FEB21	----	----	46.40 + 0.04	----	----	340	UNCH
MAR21	----	----	34.94 - 0.45	----	----	391	UNCH
APR21	----	----	31.28 - 0.43	----	----	374	UNCH
MAY21	----	----	31.18 - 0.43	----	----	340	UNCH
JUN21	----	----	30.58 - 0.44	----	----	374	UNCH
JUL21	----	----	36.84 + 0.02	----	----	357	UNCH
AUG21	----	----	33.36 - 0.02	----	----	374	UNCH
SEP21	----	----	31.08 - 0.43	----	----	357	UNCH
OCT21	----	----	30.66 + 0.04	----	----	357	UNCH
NOV21	----	----	30.91 + 0.04	----	----	357	UNCH
DEC21	----	----	33.97 + 0.07	----	----	391	UNCH
JAN22	----	----	49.15 - 0.06	----	----	945	UNCH
FEB22	----	----	46.10 - 0.07	----	----	900	UNCH
MAR22	----	----	35.15 + 0.01	----	----	1035	UNCH
APR22	----	----	31.70 - 0.01	----	----	945	UNCH
MAY22	----	----	31.15 + 0.04	----	----	945	UNCH
JUN22	----	----	30.70 + 0.03	----	----	990	UNCH
JUL22	----	----	36.95 + 0.02	----	----	900	UNCH
AUG22	----	----	33.85 UNCH	----	----	1035	UNCH
SEP22	----	----	30.95 + 0.03	----	----	945	UNCH
OCT22	----	----	30.15 + 0.03	----	----	945	UNCH
NOV22	----	----	30.05 + 0.03	----	----	945	UNCH
DEC22	----	----	33.60 + 0.05	----	----	945	UNCH
TOTAL L1 FUT					19684	100824	
J4 FUT	PJM WESTHDA PEAK						
JUN19	----	----	30.27 + 0.19	----	----	640	UNCH
JUL19	----	----	35.95 + 0.04	----	----	704	UNCH
AUG19	----	----	34.48 + 0.23	----	----	704	UNCH
SEP19	----	----	32.93 + 0.25	----	----	640	UNCH
OCT19	----	----	31.41 + 0.07	----	----	736	UNCH
NOV19	----	----	32.17 - 0.13	----	----	640	UNCH
DEC19	----	----	35.95 - 0.07	----	----	672	UNCH
JAN20	----	----	50.72 + 0.05	----	----	484	UNCH
FEB20	----	----	47.46 + 0.01	----	----	440	UNCH
MAR20	----	----	35.89 - 0.03	----	----	484	UNCH
APR20	----	----	31.64 - 0.02	----	----	484	UNCH
MAY20	----	----	31.34 - 0.09	----	----	440	UNCH
JUN20	----	----	31.38 - 0.10	----	----	44	UNCH
JUL20	----	----	37.27 - 0.02	----	----	46	UNCH
AUG20	----	----	33.92 - 0.05	----	----	42	UNCH
SEP20	----	----	32.28 - 0.07	----	----	42	UNCH
OCT20	----	----	30.93 + 0.12	----	----	44	UNCH
NOV20	----	----	31.13 - 0.17	----	----	40	UNCH
DEC20	----	----	34.73 + 0.05	----	----	44	UNCH
TOTAL J4 FUT						7370	

COAL FUTURES PRODUCTS

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
ALW FUT	AUSTRALIAN COKING (PLATTS) LOW VOL						
MAY19	----	----	206.50 - 0.50	----	----	4	UNCH
JUN19	----	----	205.75 + 0.75	----	----	4	UNCH
JUL19	----	----	202.00 + 2.00	----	----	4	UNCH
AUG19	----	----	197.00 + 1.50	----	----	4	UNCH
SEP19	----	----	192.00 + 1.00	----	----	4	UNCH
OCT19	----	----	192.50 + 1.50	----	----	4	UNCH
NOV19	----	----	193.00 + 2.00	----	----	4	UNCH
DEC19	----	----	193.50 + 2.50	----	----	4	UNCH
TOTAL ALW FUT						32	
ICIFUT	COAL (ICI4) INDONESIA COAL INDEX						
MAY19	----	----	38.70 UNCH	----	----	205	UNCH
JUN19	----	----	37.50 - 0.20	----	----	60	UNCH
JUL19	----	----	37.65 - 0.05	----	10	125 +	10
AUG19	----	----	37.40 - 0.05	----	----	60	UNCH
SEP19	----	----	37.20 - 0.05	----	----	60	UNCH
OCT19	----	----	36.95 - 0.05	----	----	65	UNCH
NOV19	----	----	36.70 - 0.05	----	----	65	UNCH
DEC19	----	----	36.45 - 0.05	----	----	65	UNCH
JAN20	----	----	36.90 UNCH	----	----	39	UNCH
FEB20	----	----	36.90 UNCH	----	----	39	UNCH
MAR20	----	----	36.90 UNCH	----	----	39	UNCH
APR20	----	----	36.90 UNCH	----	----	37	UNCH
MAY20	----	----	36.90 UNCH	----	----	37	UNCH
JUN20	----	----	36.90 UNCH	----	----	37	UNCH
TOTAL ICIFUT					10	933 +	10
MTF FUT	COAL API2 CIF ARA ARG-MCCLOSKEY						
MAY19	----	----	57.75 - 0.25	----	50	1561 -	20
JUN19	57.40	57.40 /57.30	57.15 - 0.85	15	280	1640 +	146
JUL19	----	----	58.85 - 1.15	12	106	1612 +	4
AUG19	----	----	60.45 - 1.35	12	81	1434 +	26
SEP19	----	----	62.05 - 1.60	12	76	1340 +	2
OCT19	----	----	63.20 - 1.55	1	116	1333 +	53

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	COAL API2	CIF ARA	ARG-MCCLOSKEY	SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
MTF FUT							
NOV19				64.40 - 1.55	1	116	1328 + 53
DEC19				65.15 - 1.50	1	116	1328 + 53
JAN20				65.95 - 1.40	12	174	841 - 2
FEB20				66.75 - 1.35	12	174	841 - 2
MAR20				66.80 - 1.30	12	174	841 - 2
APR20				66.85 - 1.30	2	62	506 - 1
MAY20				66.90 - 1.30	2	62	506 - 1
JUN20				67.25 - 1.30	2	62	506 - 1
JUL20				67.55 - 1.30	2	59	488 + 6
AUG20				67.90 - 1.30	2	59	488 + 6
SEP20				68.30 - 1.20	2	59	488 + 6
OCT20				68.65 - 1.15	2	57	465 + 10
NOV20				69.05 - 1.10	2	57	465 + 10
DEC20				69.30 - 1.05	2	57	465 + 10
JAN21				69.50 - 1.05		10	123 + 3
FEB21				69.75 - 1.00		10	123 + 3
MAR21				70.00 - 0.95		10	123 + 3
APR21				70.20 - 1.00		10	123 + 3
MAY21				70.45 - 0.95		10	123 + 3
JUN21				70.70 - 0.90		10	123 + 3
JUL21				70.90 - 0.90		10	123 + 3
AUG21				71.10 - 0.90		10	123 + 3
SEP21				71.35 - 0.80		10	123 + 3
OCT21				71.55 - 0.80		10	123 + 3
NOV21				71.75 - 0.80		10	123 + 3
DEC21				72.00 - 0.75		10	123 + 3
JAN22				72.20 - 0.75			33 UNCH
FEB22				72.45 - 0.70			33 UNCH
MAR22				72.65 - 0.70			33 UNCH
APR22				72.90 - 0.65			33 UNCH
MAY22				73.10 - 0.60			33 UNCH
JUN22				73.35 - 0.55			33 UNCH
JUL22				73.40 - 0.65			33 UNCH
AUG22				73.45 - 0.70			33 UNCH
SEP22				73.50 - 0.75			33 UNCH
OCT22				73.60 - 0.75			33 UNCH
NOV22				73.65 - 0.80			33 UNCH
DEC22				73.70 - 0.90			33 UNCH
TOTAL MTF FUT					108	2117	20348 + 392
MFF FUT	COAL API4	RCH BAY	ARGS MCCLOSKEY SW				
MAY19				67.25 - 0.50			446 UNCH
JUN19				66.30 - 0.40		10	469 + 10
JUL19				66.95 - 0.55			424 UNCH
AUG19				67.90 - 0.75			324 UNCH
SEP19				68.90 - 1.25			309 UNCH
OCT19				69.75 - 1.10			254 UNCH
NOV19				70.55 - 1.00			239 UNCH
DEC19				71.15 - 1.00			239 UNCH
JAN20				71.80 - 0.95			31 UNCH
FEB20				72.45 - 0.95			31 UNCH
MAR20				72.70 - 0.95			31 UNCH
APR20				72.95 - 0.95			26 UNCH
MAY20				73.20 - 1.00			26 UNCH
JUN20				73.75 - 1.05			26 UNCH
JUL20				74.30 - 1.10			26 UNCH
AUG20				74.90 - 1.15			26 UNCH
SEP20				75.30 - 1.15			26 UNCH
OCT20				75.70 - 1.10			26 UNCH
NOV20				76.10 - 1.10			26 UNCH
DEC20				76.20 - 1.05			26 UNCH
TOTAL MFF FUT						10	3031 + 10

FREIGHT FUTURES PRODUCTS

	FREIGHT ROUTE	LIQUID PETROLEUM GAS	SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
FLP FUT						
MAY19			57.807 + 0.307			111 UNCH
JUN19			58.000 UNCH			58 UNCH
JUL19			49.500 - 1.000			113 UNCH
AUG19			48.000 - 0.500			85 UNCH
SEP19			48.000 + 1.000			85 UNCH
OCT19			49.000 UNCH			84 UNCH
NOV19			52.000 + 0.750			84 UNCH
DEC19			52.000 + 0.750			84 UNCH
JAN20			48.000 UNCH			10 UNCH
FEB20			48.000 UNCH			10 UNCH
MAR20			48.000 UNCH			10 UNCH
TOTAL FLP FUT						734
FRC FUT	FREIGHT ROUTE TC14 (BALTIC) FUTURES					
MAY19			17.0653 - 0.1107			80 UNCH
JUN19			17.0940 - 0.0140			65 UNCH
JUL19			17.6230 - 0.0330		20	55 + 10
AUG19			17.8910 + 0.0200			45 UNCH
SEP19			17.9540 UNCH			45 UNCH
OCT19			18.3750 UNCH			5 UNCH
NOV19			24.5955 UNCH			5 UNCH
DEC19			24.5955 UNCH			5 UNCH
TOTAL FRC FUT					20	305 + 10
T2D FUT	FREIGHT ROUTE TD20 (BALTIC) FUTURES					
MAY19			8.8992 + 0.0024			325 UNCH
JUN19			9.2760 UNCH			365 UNCH
JUL19			9.4150 UNCH			305 UNCH
AUG19			9.5400 UNCH			205 UNCH
SEP19			9.9790 UNCH			205 UNCH
OCT19			11.6410 UNCH			120 UNCH
NOV19			13.3330 UNCH			120 UNCH
DEC19			13.3330 UNCH			120 UNCH
JAN20			13.8830 - 0.0540		20	55 + 20
FEB20			13.8830 - 0.0540		20	55 + 20

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T2D FUT FREIGHT ROUTE TD20 (BAL TIC) FUTURES							
MAR20	----	----	13.8830 - 0.0540		----	20	55 + 20
APR20	----	----	12.6230 - 0.0560		----	20	60 + 20
MAY20	----	----	12.6230 - 0.0560		----	20	60 + 20
JUN20	----	----	12.6230 - 0.0560		----	20	60 + 20
JUL20	----	----	11.9550 - 0.0370		----	20	55 + 20
AUG20	----	----	11.9550 - 0.0370		----	20	55 + 20
SEP20	----	----	11.9550 - 0.0370		----	20	55 + 20
OCT20	----	----	12.1390 - 0.4530		----	20	55 + 20
NOV20	----	----	12.1390 - 0.4530		----	20	55 + 20
DEC20	----	----	12.1390 - 0.4530		----	20	55 + 20
TOTAL T2D FUT						240	2440 + 240
TD3 FUT FREIGHT ROUTE TD3C (PLATTS) FUTURES							
MAY19	----	----	7.4010 + 0.0621		----	----	20 UNCH
JUN19	----	----	8.1830 - 0.1070		----	----	20 UNCH
TOTAL TD3 FUT							40
TD8 FUT FREIGHT ROUTE TD8 (BAL TIC) FUTURES							
MAY19	----	----	14.1978 UNCH		----	----	10 UNCH
JUN19	----	----	13.6340 UNCH		----	----	10 UNCH
TOTAL TD8 FUT							20
TM FUT TC2 ROTTERDAM TO USAC 37K MT							
MAY19	----	----	15.6023 UNCH		----	----	75 UNCH
JUN19	----	----	17.1280 + 0.0290		----	----	55 UNCH
JUL19	----	----	16.9940 - 0.1050		----	----	50 UNCH
AUG19	----	----	15.8020 - 0.1860		----	----	50 UNCH
SEP19	----	----	16.7770 - 0.1600		----	----	50 UNCH
OCT19	----	----	18.6080 - 0.1750		----	----	20 UNCH
NOV19	----	----	21.5855 - 0.4030		----	----	40 UNCH
DEC19	----	----	21.5855 - 0.4030		----	----	20 UNCH
TOTAL TM FUT							360
TH FUT TC5 RAS TANURA TO YOKOHAMA 55K MT							
MAY19	----	----	23.8716 + 0.0685		----	----	155 UNCH
JUN19	----	----	24.3480 + 0.6810		----	----	165 UNCH
JUL19	----	----	25.3240 - 0.2780		----	----	75 UNCH
AUG19	----	----	25.6510 - 0.5220		----	----	75 UNCH
SEP19	----	----	26.8270 - 0.3600		----	----	75 UNCH
OCT19	----	----	28.4940 - 0.5590		----	25	80 - 5
NOV19	----	----	30.3870 - 0.4180		----	25	80 - 5
DEC19	----	----	30.3870 - 0.4180		----	25	80 - 5
JAN20	----	----	31.8920 - 0.1620		----	----	40 UNCH
FEB20	----	----	31.8920 - 0.1620		----	----	40 UNCH
MAR20	----	----	31.8920 - 0.1620		----	----	40 UNCH
APR20	----	----	28.9410 - 0.0270		----	----	40 UNCH
MAY20	----	----	28.9410 - 0.0270		----	----	40 UNCH
JUN20	----	----	28.9410 - 0.0270		----	----	40 UNCH
JUL20	----	----	29.3660 - 0.0140		----	----	40 UNCH
AUG20	----	----	29.3660 - 0.0140		----	----	40 UNCH
SEP20	----	----	29.3660 - 0.0140		----	----	40 UNCH
OCT20	----	----	30.3530 - 0.0690		----	----	40 UNCH
NOV20	----	----	30.3530 - 0.0690		----	----	40 UNCH
DEC20	----	----	30.3530 - 0.0690		----	----	40 UNCH
TOTAL TH FUT						75	1265 - 15
TL FUT TD3 MEG TO JAPAN 250K MT							
MAY19	----	----	7.4097 + 0.0249		----	----	387 UNCH
JUN19	----	----	8.1830 - 0.1070		----	----	677 UNCH
JUL19	----	----	8.6000 - 0.3200		----	----	630 UNCH
AUG19	----	----	9.2460 - 0.2420		----	----	760 UNCH
SEP19	----	----	10.1390 - 0.2470		----	----	760 UNCH
OCT19	----	----	11.8550 - 0.1420		----	10	525 UNCH
NOV19	----	----	13.6385 - 0.4795		----	10	605 UNCH
DEC19	----	----	13.6385 - 0.4795		----	10	605 UNCH
JAN20	----	----	14.0430 - 0.0620		----	25	555 - 25
FEB20	----	----	14.0430 - 0.0620		----	25	555 - 25
MAR20	----	----	14.0430 - 0.0620		----	25	555 - 25
APR20	----	----	11.6410 - 0.0930		----	35	435 - 35
MAY20	----	----	11.6410 - 0.0930		----	35	435 - 35
JUN20	----	----	11.6410 - 0.0930		----	35	435 - 35
JUL20	----	----	10.1370 - 0.1240		----	25	437 - 25
AUG20	----	----	10.1370 - 0.1240		----	25	437 - 25
SEP20	----	----	10.1370 - 0.1240		----	25	437 - 25
OCT20	----	----	12.1870 - 0.0970		----	25	437 - 25
NOV20	----	----	12.1870 - 0.0970		----	25	437 - 25
DEC20	----	----	12.1870 - 0.0970		----	25	437 - 25
JAN21	----	----	10.6210 UNCH		----	----	65 UNCH
FEB21	----	----	10.6210 UNCH		----	----	65 UNCH
MAR21	----	----	10.6210 UNCH		----	----	65 UNCH
APR21	----	----	10.6210 UNCH		----	----	65 UNCH
MAY21	----	----	10.6210 UNCH		----	----	65 UNCH
JUN21	----	----	10.6210 UNCH		----	----	65 UNCH
JUL21	----	----	10.6210 UNCH		----	----	65 UNCH
AUG21	----	----	10.6210 UNCH		----	----	65 UNCH
SEP21	----	----	10.6210 UNCH		----	----	65 UNCH
OCT21	----	----	10.6210 UNCH		----	----	65 UNCH
NOV21	----	----	10.6210 UNCH		----	----	65 UNCH
DEC21	----	----	10.6210 UNCH		----	----	65 UNCH
JAN22	----	----	9.9550 UNCH		----	----	50 UNCH
FEB22	----	----	9.9550 UNCH		----	----	50 UNCH
MAR22	----	----	9.9550 UNCH		----	----	50 UNCH
APR22	----	----	9.9550 UNCH		----	----	50 UNCH
MAY22	----	----	9.9550 UNCH		----	----	50 UNCH
JUN22	----	----	9.9550 UNCH		----	----	50 UNCH
JUL22	----	----	9.9550 UNCH		----	----	50 UNCH
AUG22	----	----	9.9550 UNCH		----	----	50 UNCH
SEP22	----	----	9.9550 UNCH		----	----	50 UNCH
OCT22	----	----	9.9550 UNCH		----	----	50 UNCH
NOV22	----	----	9.9550 UNCH		----	----	50 UNCH
DEC22	----	----	9.9550 UNCH		----	----	50 UNCH
TOTAL TL FUT						360	11921 - 330

PLASTICS FUTURES PRODUCTS

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ENERGY FUTURES PRODUCTS

Thu, May 23, 2019 PG61

PGP FUT	PGP POLYMER GRD	PROPYLENE CAL	SETT. PRICE & PT. CHGE	LOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST
MAY19	----	----	0.39125 +0.00068	----	----	496 UNCH
JUN19	----	----	0.39125 +0.00250	----	----	478 UNCH
JUL19	----	----	0.39375 +0.00250	----	----	359 UNCH
AUG19	----	----	0.39625 +0.00250	----	----	389 UNCH
SEP19	----	----	0.40000 +0.00250	----	----	389 UNCH
OCT19	----	----	0.40250 +0.00250	----	----	286 UNCH
NOV19	----	----	0.40500 +0.00250	----	----	283 UNCH
DEC19	----	----	0.40750 +0.00250	----	----	341 UNCH
JAN20	----	----	0.41250 -0.00250	----	10	89 + 10
FEB20	----	----	0.41750 -0.00500	----	10	65 + 10
MAR20	----	----	0.42250 -0.00750	----	10	65 + 10
APR20	----	----	0.42625 -0.00750	----	----	30 UNCH
MAY20	----	----	0.42875 -0.00750	----	----	30 UNCH
JUN20	----	----	0.43125 -0.00750	----	----	30 UNCH
JUL20	----	----	0.42875 -0.00750	----	----	5 UNCH
AUG20	----	----	0.42875 -0.00750	----	----	5 UNCH
SEP20	----	----	0.42875 -0.00750	----	----	5 UNCH
OCT20	----	----	0.42875 -0.00750	----	----	5 UNCH
NOV20	----	----	0.42875 -0.00750	----	----	5 UNCH
DEC20	----	----	0.42875 -0.00750	----	----	5 UNCH
TOTAL PGP FUT					30	3360 + 30

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	TAS DAILY TOTAL
NYMEX CRUDE OIL (PHYSICAL)												
JUN19	875	875	---	---	---	---	---	---	---	---	---	---
JUL19	---	---	---	---	---	---	---	---	6808	1040	---	16822
AUG19	---	---	---	---	---	---	---	---	2204	---	---	3659
SEP19	---	---	---	---	---	---	---	---	530	---	---	1936
OCT19	---	---	---	---	---	---	---	---	---	---	---	176
NOV19	---	---	---	---	---	---	---	---	---	---	---	28
DEC19	---	---	---	---	---	---	---	---	2685	---	---	777
MAR20	---	---	---	---	---	---	---	---	228	---	---	---
JUN20	---	---	---	---	---	---	---	---	1437	---	---	---
SEP20	---	---	---	---	---	---	---	---	267	---	---	---
DEC20	---	---	---	---	---	---	---	---	666	---	---	---
DEC21	---	---	---	---	---	---	---	---	2800	---	---	---
JAN22	---	---	---	---	---	---	---	---	10	---	---	---
FEB22	---	---	---	---	---	---	---	---	10	---	---	---
MAR22	---	---	---	---	---	---	---	---	10	---	---	---
APR22	---	---	---	---	---	---	---	---	10	---	---	---
MAY22	---	---	---	---	---	---	---	---	10	---	---	---
JUN22	---	---	---	---	---	---	---	---	10	---	---	---
JUL22	---	---	---	---	---	---	---	---	10	---	---	---
AUG22	---	---	---	---	---	---	---	---	10	---	---	---
SEP22	---	---	---	---	---	---	---	---	10	---	---	---
OCT22	---	---	---	---	---	---	---	---	10	---	---	---
NOV22	---	---	---	---	---	---	---	---	10	---	---	---
DEC22	---	---	---	---	---	---	---	---	310	---	---	---
Total	875	875	---	---	---	---	---	---	18045	1040	---	23398
NYMEX HEATING OIL (PHYSICAL)												
JUN19	---	---	2224	---	---	---	---	---	1467	---	---	5934
JUL19	---	---	928	---	---	---	---	---	2719	---	---	8036
AUG19	---	---	---	---	---	---	---	---	725	---	---	1780
SEP19	---	---	---	---	---	---	---	---	475	---	---	845
OCT19	---	---	---	---	---	---	---	---	450	---	---	32
NOV19	---	---	---	---	---	---	---	---	---	---	---	65
DEC19	---	---	---	---	---	---	---	---	1476	---	---	4
JAN20	---	---	---	---	---	---	---	---	405	---	---	---
FEB20	---	---	---	---	---	---	---	---	5	---	---	---
MAR20	---	---	---	---	---	---	---	---	5	---	---	---
APR20	---	---	---	---	---	---	---	---	5	---	---	---
MAY20	---	---	---	---	---	---	---	---	5	---	---	---
JUN20	---	---	---	---	---	---	---	---	771	---	---	---
SEP20	---	---	---	---	---	---	---	---	50	---	---	---
DEC20	---	---	---	---	---	---	---	---	486	---	---	---
Total	---	---	3152	---	---	---	---	---	9044	---	---	16696
NYMEX NY HARBOR GAS (RBOB) (PHY)												
JUN19	---	---	3795	---	---	---	---	---	1391	113	---	8089
JUL19	---	---	1850	---	---	---	---	---	1192	75	---	9362
AUG19	---	---	50	---	---	---	---	---	475	---	---	1421
SEP19	---	---	---	---	---	---	---	---	126	---	---	1228
OCT19	---	---	---	---	---	---	---	---	750	---	---	22
NOV19	---	---	---	---	---	---	---	---	125	---	---	---
DEC19	---	---	---	---	---	---	---	---	525	---	---	---
JAN20	---	---	---	---	---	---	---	---	365	---	---	---
MAR20	---	---	---	---	---	---	---	---	50	---	---	---
APR20	---	---	---	---	---	---	---	---	50	---	---	---
JUN20	---	---	---	---	---	---	---	---	50	---	---	---
SEP20	---	---	---	---	---	---	---	---	50	---	---	---
Total	---	---	5695	---	---	---	---	---	5149	188	---	20122
NATURAL GAS HENRY HUB (PHYSICAL)												
JUN19	---	---	---	---	---	---	---	---	14329	---	---	6871
JUL19	---	---	3849	---	---	---	---	---	1846	---	---	13148
AUG19	---	---	---	---	---	---	---	---	300	---	---	2070
SEP19	---	---	---	---	---	---	---	---	50	---	---	2316
OCT19	---	---	---	---	---	---	---	---	250	---	---	5
NOV19	---	---	---	---	---	---	---	---	---	---	---	66
DEC19	---	---	---	---	---	---	---	---	---	---	---	16
Total	---	---	3849	---	---	---	---	---	16775	---	---	24492
NYMEX BRENT OIL LAST DAY FUTURES												

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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
JUL19	---	---	---	---	---	---	---	---	1424	---	---	2073
AUG19	---	---	---	---	---	---	---	---	2305	---	---	678
SEP19	---	---	---	---	---	---	---	---	225	---	---	111
OCT19	---	---	---	---	---	---	---	---	200	---	---	---
NOV19	---	---	---	---	---	---	---	---	1041	---	---	---
DEC19	---	---	---	---	---	---	---	---	226	---	---	---
JAN20	---	---	---	---	---	---	---	---	633	---	---	---
DEC20	---	---	---	---	---	---	---	---	50	---	---	---
JAN21	---	---	---	---	---	---	---	---	300	---	---	---
FEB21	---	---	---	---	---	---	---	---	250	---	---	---
Total									6654			2862
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 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
ARGUS LLS VS. WTI (ARG) TRD M												
JUL19	---	---	---	---	---	---	---	---	45	---	---	---
AUG19	---	---	---	---	---	---	---	---	45	---	---	---
OCT19	---	---	---	---	---	---	---	---	60	---	---	---
NOV19	---	---	---	---	---	---	---	---	60	---	---	---
DEC19	---	---	---	---	---	---	---	---	60	---	---	---
JAN20	---	---	---	---	---	---	---	---	40	---	---	---
FEB20	---	---	---	---	---	---	---	---	40	---	---	---
MAR20	---	---	---	---	---	---	---	---	40	---	---	---
APR20	---	---	---	---	---	---	---	---	40	---	---	---
MAY20	---	---	---	---	---	---	---	---	40	---	---	---
JUN20	---	---	---	---	---	---	---	---	40	---	---	---
JUL20	---	---	---	---	---	---	---	---	40	---	---	---
AUG20	---	---	---	---	---	---	---	---	40	---	---	---
SEP20	---	---	---	---	---	---	---	---	40	---	---	---
OCT20	---	---	---	---	---	---	---	---	40	---	---	---
NOV20	---	---	---	---	---	---	---	---	40	---	---	---
DEC20	---	---	---	---	---	---	---	---	40	---	---	---
									750			
BRENT CALENDAR												
JUL19	---	---	---	---	---	---	---	---	1250	---	---	---
JAN20	---	---	---	---	---	---	---	---	10	---	---	---
FEB20	---	---	---	---	---	---	---	---	10	---	---	---
MAR20	---	---	---	---	---	---	---	---	10	---	---	---
APR20	---	---	---	---	---	---	---	---	10	---	---	---
MAY20	---	---	---	---	---	---	---	---	10	---	---	---
JUN20	---	---	---	---	---	---	---	---	10	---	---	---
JUL20	---	---	---	---	---	---	---	---	10	---	---	---
AUG20	---	---	---	---	---	---	---	---	10	---	---	---
SEP20	---	---	---	---	---	---	---	---	10	---	---	---
OCT20	---	---	---	---	---	---	---	---	10	---	---	---
NOV20	---	---	---	---	---	---	---	---	10	---	---	---
DEC20	---	---	---	---	---	---	---	---	10	---	---	---
JAN21	---	---	---	---	---	---	---	---	16	---	---	---
FEB21	---	---	---	---	---	---	---	---	16	---	---	---
MAR21	---	---	---	---	---	---	---	---	16	---	---	---
APR21	---	---	---	---	---	---	---	---	16	---	---	---
MAY21	---	---	---	---	---	---	---	---	16	---	---	---
JUN21	---	---	---	---	---	---	---	---	16	---	---	---
JUL21	---	---	---	---	---	---	---	---	16	---	---	---
AUG21	---	---	---	---	---	---	---	---	16	---	---	---
SEP21	---	---	---	---	---	---	---	---	16	---	---	---
OCT21	---	---	---	---	---	---	---	---	16	---	---	---
NOV21	---	---	---	---	---	---	---	---	16	---	---	---
DEC21	---	---	---	---	---	---	---	---	16	---	---	---
									1562			
CANADIAN C5+ CONDENSATE INDEX FUT												
CLEARBROOK BAKKEN CRUDE OIL INDEX												
DATED TO FRONTLINE BRENT CLNDR												
DUBAI CRUDE OIL CALENDAR												
MAY19	---	---	---	---	---	---	---	---	55	---	---	---
									55			
EUROPE DATED BRENT												
GUERNSEY LIGHT SWEET CRUDE OIL FUT												
ICE BRENT DUBAI												
JUN19	---	---	---	---	---	---	---	---	448	---	---	---
JAN20	---	---	---	---	---	---	---	---	10	---	---	---
FEB20	---	---	---	---	---	---	---	---	10	---	---	---
MAR20	---	---	---	---	---	---	---	---	10	---	---	---
									478			
LIGHT SWEET OIL NET ENERGY MONTHLY												
LLS (ARGUS) CALENDAR												
LLS (ARGUS) VS WTI												
LOOP CRUDE OIL STORAGE FUTURES												
JUN19	4000	4000	---	---	---	---	---	---	---	---	---	---
	4000	4000										
MARS (ARGUS) VS WTI												
MARS (ARGUS) VS WTI TRD MTH												
JUL19	---	---	---	---	---	---	---	---	45	---	---	---
AUG19	---	---	---	---	---	---	---	---	45	---	---	---
OCT19	---	---	---	---	---	---	---	---	160	---	---	---
NOV19	---	---	---	---	---	---	---	---	160	---	---	---
DEC19	---	---	---	---	---	---	---	---	160	---	---	---
JAN20	---	---	---	---	---	---	---	---	40	---	---	---
FEB20	---	---	---	---	---	---	---	---	40	---	---	---

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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	
SEP20	---	---	---	---	---	---	---	---	40	---	---	---	
OCT20	---	---	---	---	---	---	---	---	40	---	---	---	
NOV20	---	---	---	---	---	---	---	---	40	---	---	---	
DEC20	---	---	---	---	---	---	---	---	40	---	---	---	
									810				
MINI BRENT FINANCIAL FUTURES													
NYMEX BRENT FINANCIAL FUTURES													
WEST TEXAS INTER CRUDE OIL CAL													
MAY19	---	---	---	---	---	---	---	---	22	---	---	---	
JUN19	---	---	---	---	---	---	---	---	2272	---	---	---	
JUL19	---	---	---	---	---	---	---	---	825	---	---	---	
AUG19	---	---	---	---	---	---	---	---	50	---	---	---	
JAN21	---	---	---	---	---	---	---	---	6	---	---	---	
FEB21	---	---	---	---	---	---	---	---	6	---	---	---	
MAR21	---	---	---	---	---	---	---	---	6	---	---	---	
APR21	---	---	---	---	---	---	---	---	6	---	---	---	
MAY21	---	---	---	---	---	---	---	---	6	---	---	---	
JUN21	---	---	---	---	---	---	---	---	6	---	---	---	
									3205				
WESTERN CANADIAN SELECT OIL MONTHLY													
JUL19	---	---	---	---	---	---	---	---	285	---	---	---	
AUG19	---	---	---	---	---	---	---	---	285	---	---	---	
SEP19	---	---	---	---	---	---	---	---	285	---	---	---	
OCT19	---	---	---	---	---	---	---	---	30	---	---	---	
NOV19	---	---	---	---	---	---	---	---	30	---	---	---	
DEC19	---	---	---	---	---	---	---	---	30	---	---	---	
JAN20	---	---	---	---	---	---	---	---	15	---	---	---	
FEB20	---	---	---	---	---	---	---	---	15	---	---	---	
MAR20	---	---	---	---	---	---	---	---	15	---	---	---	
APR20	---	---	---	---	---	---	---	---	15	---	---	---	
MAY20	---	---	---	---	---	---	---	---	15	---	---	---	
JUN20	---	---	---	---	---	---	---	---	15	---	---	---	
JUL20	---	---	---	---	---	---	---	---	15	---	---	---	
AUG20	---	---	---	---	---	---	---	---	15	---	---	---	
SEP20	---	---	---	---	---	---	---	---	15	---	---	---	
OCT20	---	---	---	---	---	---	---	---	15	---	---	---	
NOV20	---	---	---	---	---	---	---	---	15	---	---	---	
DEC20	---	---	---	---	---	---	---	---	15	---	---	---	
									1125				
WTI BALMO													
WTI FINANCIAL FUTURES													
WTI HOUSTON ARGUS V. WTI FINANCIAL													
WTI HOUSTON ARGUS V. WTI TRADE MONTH													
JUL19	---	---	---	---	---	---	---	---	2385	---	---	---	
AUG19	---	---	---	---	---	---	---	---	135	---	---	---	
SEP19	---	---	---	---	---	---	---	---	75	---	---	---	
OCT19	---	---	---	---	---	---	---	---	465	---	---	---	
NOV19	---	---	---	---	---	---	---	---	465	---	---	---	
DEC19	---	---	---	---	---	---	---	---	465	---	---	---	
JAN20	---	---	---	---	---	---	---	---	110	---	---	---	
FEB20	---	---	---	---	---	---	---	---	110	---	---	---	
MAR20	---	---	---	---	---	---	---	---	110	---	---	---	
APR20	---	---	---	---	---	---	---	---	50	---	---	---	
MAY20	---	---	---	---	---	---	---	---	50	---	---	---	
JUN20	---	---	---	---	---	---	---	---	50	---	---	---	
JUL20	---	---	---	---	---	---	---	---	100	---	---	---	
AUG20	---	---	---	---	---	---	---	---	100	---	---	---	
SEP20	---	---	---	---	---	---	---	---	100	---	---	---	
OCT20	---	---	---	---	---	---	---	---	100	---	---	---	
NOV20	---	---	---	---	---	---	---	---	100	---	---	---	
DEC20	---	---	---	---	---	---	---	---	100	---	---	---	
									5070				
WTI HOUSTON CRUDE OIL FUTURES													
JUN19	1329	1329	---	---	---	---	---	---	---	---	---	---	
	1329	1329											
WTI MIDLAND (ARG) VS. WTI TRADE MTH													
JUL19	---	---	---	---	---	---	---	---	195	---	---	---	
AUG19	---	---	---	---	---	---	---	---	135	---	---	---	
SEP19	---	---	---	---	---	---	---	---	135	---	---	---	
OCT19	---	---	---	---	---	---	---	---	185	---	---	---	
NOV19	---	---	---	---	---	---	---	---	185	---	---	---	
DEC19	---	---	---	---	---	---	---	---	185	---	---	---	
JAN20	---	---	---	---	---	---	---	---	30	---	---	---	
FEB20	---	---	---	---	---	---	---	---	30	---	---	---	
MAR20	---	---	---	---	---	---	---	---	30	---	---	---	
APR20	---	---	---	---	---	---	---	---	30	---	---	---	
MAY20	---	---	---	---	---	---	---	---	30	---	---	---	
JUN20	---	---	---	---	---	---	---	---	30	---	---	---	
JUL20	---	---	---	---	---	---	---	---	30	---	---	---	
AUG20	---	---	---	---	---	---	---	---	30	---	---	---	
SEP20	---	---	---	---	---	---	---	---	30	---	---	---	
OCT20	---	---	---	---	---	---	---	---	30	---	---	---	
NOV20	---	---	---	---	---	---	---	---	30	---	---	---	
DEC20	---	---	---	---	---	---	---	---	30	---	---	---	
									1380				
WTI MIDLAND(ARGUS) VS WTI FINCL FUT													
WTI-BRENT BULLET													
WTI-BRENT CALENDAR													
JUN19	---	---	---	---	---	---	---	---	185	---	---	---	
JUL19	---	---	---	---	---	---	---	---	60	---	---	---	
AUG19	---	---	---	---	---	---	---	---	60	---	---	---	
JAN20	---	---	---	---	---	---	---	---	10	---	---	---	
FEB20	---	---	---	---	---	---	---	---	10	---	---	---	
MAR20	---	---	---	---	---	---	---	---	10	---	---	---	
JAN21	---	---	---	---	---	---	---	---	70	---	---	---	
FEB21	---	---	---	---	---	---	---	---	70	---	---	---	
MAR21	---	---	---	---	---	---	---	---	70	---	---	---	
APR21	---	---	---	---	---	---	---	---	70	---	---	---	
MAY21	---	---	---	---	---	---	---	---	70	---	---	---	
JUN21	---	---	---	---	---	---	---	---	70	---	---	---	
JUN21	---	---	---	---	---	---	---	---	70	---	---	---	

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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
FEB20	---	---	---	---	---	---	---	---	25	---	---
MAR20	---	---	---	---	---	---	---	---	25	---	---
APR20	---	---	---	---	---	---	---	---	25	---	---
MAY20	---	---	---	---	---	---	---	---	25	---	---
JUN20	---	---	---	---	---	---	---	---	25	---	---
JUL20	---	---	---	---	---	---	---	---	25	---	---
AUG20	---	---	---	---	---	---	---	---	25	---	---
SEP20	---	---	---	---	---	---	---	---	25	---	---
OCT20	---	---	---	---	---	---	---	---	25	---	---
NOV20	---	---	---	---	---	---	---	---	25	---	---
DEC20	---	---	---	---	---	---	---	---	25	---	---
									1145		

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 DAILY TOTAL	TAS DAILY TOTAL
CENTERPOINT BASIS											
CIG BASIS											
COLUMB GULF MAINLINE NG BASIS											
DOMINION TRANSMISSION INC -APPALAC											
DUTCH TTF NATURAL GAS CAL MONTH FUT											
HENRY HUB											
JUN19	---	---	---	---	---	---	---	---	1668	---	---
JUL19	---	---	---	---	---	---	---	---	124	---	---
AUG19	---	---	---	---	---	---	---	---	124	---	---
NOV19	---	---	---	---	---	---	---	---	560	---	---
DEC19	---	---	---	---	---	---	---	---	560	---	---
JAN20	---	---	---	---	---	---	---	---	567	---	---
FEB20	---	---	---	---	---	---	---	---	568	---	---
MAR20	---	---	---	---	---	---	---	---	568	---	---
APR20	---	---	---	---	---	---	---	---	533	---	---
MAY20	---	---	---	---	---	---	---	---	532	---	---
JUN20	---	---	---	---	---	---	---	---	531	---	---
JUL20	---	---	---	---	---	---	---	---	531	---	---
AUG20	---	---	---	---	---	---	---	---	531	---	---
SEP20	---	---	---	---	---	---	---	---	531	---	---
OCT20	---	---	---	---	---	---	---	---	531	---	---
NOV20	---	---	---	---	---	---	---	---	7	---	---
DEC20	---	---	---	---	---	---	---	---	9	---	---
JAN21	---	---	---	---	---	---	---	---	20	---	---
FEB21	---	---	---	---	---	---	---	---	20	---	---
MAR21	---	---	---	---	---	---	---	---	20	---	---
APR21	---	---	---	---	---	---	---	---	20	---	---
MAY21	---	---	---	---	---	---	---	---	20	---	---
JUN21	---	---	---	---	---	---	---	---	20	---	---
JUL21	---	---	---	---	---	---	---	---	20	---	---
AUG21	---	---	---	---	---	---	---	---	20	---	---
SEP21	---	---	---	---	---	---	---	---	20	---	---
OCT21	---	---	---	---	---	---	---	---	20	---	---
NOV21	---	---	---	---	---	---	---	---	40	---	---
DEC21	---	---	---	---	---	---	---	---	40	---	---
JAN22	---	---	---	---	---	---	---	---	20	---	---
FEB22	---	---	---	---	---	---	---	---	20	---	---
MAR22	---	---	---	---	---	---	---	---	20	---	---
APR23	---	---	---	---	---	---	---	---	12	---	---
MAY23	---	---	---	---	---	---	---	---	12	---	---
JUN23	---	---	---	---	---	---	---	---	12	---	---
JUL23	---	---	---	---	---	---	---	---	12	---	---
AUG23	---	---	---	---	---	---	---	---	12	---	---
SEP23	---	---	---	---	---	---	---	---	12	---	---
OCT23	---	---	---	---	---	---	---	---	12	---	---
									8899		
HENRY HUB BASIS											
HENRY HUB INDEX FUTURE											
HENRY HUB NG LAST DAY FINANCIAL											
JUN19	---	---	---	---	---	---	---	---	7430	582	---
JUL19	---	---	---	---	---	---	---	---	1950	---	---
AUG19	---	---	---	---	---	---	---	---	5500	---	---
SEP19	---	---	---	---	---	---	---	---	100	---	---
DEC19	---	---	---	---	---	---	---	---	50	---	---
JAN20	---	---	---	---	---	---	---	---	100	---	---
APR20	---	---	---	---	---	---	---	---	1200	---	---
OCT20	---	---	---	---	---	---	---	---	1200	---	---
									17530	582	
HENRY HUB PENULTIMATE FUT											
JUL19	---	---	---	---	---	---	---	---	186	---	---
AUG19	---	---	---	---	---	---	---	---	30	---	---
									216		
HOUSTON SHIP CHANNEL BASIS											
LNG JAPAN KOREA MARKER PLATTS											
MICHIGAN BASIS											
NGPL MID-CONTINENT											
NGPL TEX /OK											
NORTHEN NATURAL GAS DEMARCATION											
NORTHEN NATURAL GAS VENTURA IOWA											
NORTHWEST ROCKIES BASIS FUTURE											
NYMEX NATURAL GAS FUTURES											
JUN19	---	---	---	---	---	---	---	---	2797	---	---
JUL19	---	---	---	---	---	---	---	---	866	---	---
AUG19	---	---	---	---	---	---	---	---	79	---	---
SEP19	---	---	---	---	---	---	---	---	216	---	---
OCT19	---	---	---	---	---	---	---	---	288	---	---
NOV19	---	---	---	---	---	---	---	---	1256	---	---
JAN20	---	---	---	---	---	---	---	---	36	---	---
FEB20	---	---	---	---	---	---	---	---	44	---	---

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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
OCT20	---	---	---	---	---	---	---	---	---	42	---	---
JAN21	---	---	---	---	---	---	---	---	---	3	---	---
FEB21	---	---	---	---	---	---	---	---	---	3	---	---
MAR21	---	---	---	---	---	---	---	---	---	3	---	---
										5673		

PANHANDLE BASIS FUTURE
PERMIAN BASIS
SAN JUAN BASIS
SUMAS BASIS
TCO BASIS
TEXAS EASTERN ZONE M-3 BASIS
TRANSCO ZONE 6 NON NY BASIS
TRANSCO ZONE4 BASIS
UK NBP NAT GAS CAL MTH FUT
WAHA BASIS

PETROLEUM 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
1.0% FUEL OIL (PLATTS) FOB NWE												
3.5% FUEL OIL (PLATTS) FOB RDA												
JUN19	---	---	---	---	---	---	---	---	---	70	---	---
JAN20	---	---	---	---	---	---	---	---	---	1	---	---
FEB20	---	---	---	---	---	---	---	---	---	1	---	---
MAR20	---	---	---	---	---	---	---	---	---	1	---	---
APR20	---	---	---	---	---	---	---	---	---	1	---	---
MAY20	---	---	---	---	---	---	---	---	---	1	---	---
JUN20	---	---	---	---	---	---	---	---	---	1	---	---
JUL20	---	---	---	---	---	---	---	---	---	1	---	---
AUG20	---	---	---	---	---	---	---	---	---	1	---	---
SEP20	---	---	---	---	---	---	---	---	---	1	---	---
OCT20	---	---	---	---	---	---	---	---	---	1	---	---
NOV20	---	---	---	---	---	---	---	---	---	1	---	---
DEC20	---	---	---	---	---	---	---	---	---	1	---	---
										82		
3.5% FUEL OIL CID MED												
3.5% FUEL OIL RDAM VS FOB MED BALM												
3.5% FUELOIL FOB RDAM CRK SPD BALMO												
ARGUS GASOLINE NWE CRACK SPR												
ARGUS PROPANE FAR EAST INDEX VS. JA												
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												
EIA FLAT TAX ONHWAY DIESEL												
OCT19	---	---	---	---	---	---	---	---	---	15	---	---
NOV19	---	---	---	---	---	---	---	---	---	15	---	---
DEC19	---	---	---	---	---	---	---	---	---	15	---	---
JAN20	---	---	---	---	---	---	---	---	---	10	---	---
FEB20	---	---	---	---	---	---	---	---	---	10	---	---
MAR20	---	---	---	---	---	---	---	---	---	10	---	---
APR20	---	---	---	---	---	---	---	---	---	10	---	---
MAY20	---	---	---	---	---	---	---	---	---	10	---	---
JUN20	---	---	---	---	---	---	---	---	---	10	---	---
										105		
EIA FLAT TAX US RETAIL GASOLINE												
EUR 0.5% VS. EUR 3.5%												
EUR 1%FUEL OIL CARGO FOB MED PLATTS												
EUR1%FUEL OIL FOB MED-EUR1% FOB NWE												
EURO 1% FUEL OIL NEW BALMO												
EURO 3.5% FUEL OIL RDAM BALMO												
EURO 3.5% FUEL OIL SPREAD												
EURO PPNE CIFARG VS NAPHTHA NWE SW												
EUROP NAPHTHA PLATTS CRCK SPR BALMO												
EUROPE 1% FUEL OIL NWE CAL												
EUROPE 1% FUEL OIL RDAM CAL												
EUROPE 3.5% FUEL OIL MED CAL												
EUROPE 3.5% FUEL OIL RDAM CAL												
EUROPE JET KERO NWE CAL												
EUROPE NAPHTHA CAL												
JUN19	---	---	---	---	---	---	---	---	---	40	---	---
JUL19	---	---	---	---	---	---	---	---	---	30	---	---
OCT19	---	---	---	---	---	---	---	---	---	1	---	---
NOV19	---	---	---	---	---	---	---	---	---	1	---	---
DEC19	---	---	---	---	---	---	---	---	---	1	---	---
										73		
EUROPEAN NAPHTHA BALMO												
EUROPEAN NAPHTHA CRACK SPREAD												
JUN19	---	---	---	---	---	---	---	---	---	129	---	---
										129		
FAME BIO ARGUS RDM RED VS ICE GAS												
FUEL OIL CARGOES VS.BARGES												
FUEL OIL CRACK VS ICE												
JUN19	---	---	---	---	---	---	---	---	---	54	---	---

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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
SEP20	---	---	---	---	---	---	---	---	20	---	---	---
OCT20	---	---	---	---	---	---	---	---	20	---	---	---
NOV20	---	---	---	---	---	---	---	---	20	---	---	---
DEC20	---	---	---	---	---	---	---	---	20	---	---	---
									134			
FUEL OIL NWE CRACK VS ICE												
G. COAST #6 FUEL OIL 3.0% VS BRENT												
GAS EUROBOB (ARGUS) BALMO												
GAS EUROBOB (ARGUS) CRK BALMO												
GAS EURO-BOB OXY (ARG) CRACK												
JUN19	---	---	---	---	---	---	---	---	83	---	---	---
JUL19	---	---	---	---	---	---	---	---	40	---	---	---
AUG19	---	---	---	---	---	---	---	---	40	---	---	---
SEP19	---	---	---	---	---	---	---	---	40	---	---	---
									203			
GAS EURO-BOB OXY (ARG) NEW BRG												
JUN19	---	---	---	---	---	---	---	---	16	---	---	---
JUL19	---	---	---	---	---	---	---	---	11	---	---	---
									27			
GASOIL (ICE) CRACK SPREAD												
GASOIL 0.1 CIF NWE VS ISE												
JUN19	---	---	---	---	---	---	---	---	5	---	---	---
									5			
GASOIL 0.1 RDAM BRGS VS ICE												
GASOIL 0.1 ROTTERDAM BARGES SW												
GASOIL 10PPM VS ICE												
GASOIL CALENDAR												
GASOIL CRACK SPREAD CALENDAR												
GASOIL MINI CALENDAR												
GROUP THREE ULSD (PLATTS)												
GRP THREE ULSD(PLT)VS HEAT OIL												
OCT19	---	---	---	---	---	---	---	---	60	---	---	---
NOV19	---	---	---	---	---	---	---	---	60	---	---	---
DEC19	---	---	---	---	---	---	---	---	60	---	---	---
									180			
GRP THREE UNL GS (PLT) VS RBOB												
JUN19	---	---	---	---	---	---	---	---	175	---	---	---
									175			
GULF CBOB A2 PL VS RBOB SPR F												
JUN19	---	---	---	---	---	---	---	---	450	---	---	---
									450			
GULF CO NO6 FUELOIL 3% V. EURO 3.5%												
SEP19	---	---	---	---	---	---	---	---	13	---	---	---
									13			
GULF COAST 3% FUEL OIL BALMO												
GULF COAST HSFO (PLATTS) FUTURES												
JUN19	---	---	---	---	---	---	---	---	302	---	---	---
JUL19	---	---	---	---	---	---	---	---	172	---	---	---
SEP19	---	---	---	---	---	---	---	---	25	---	---	---
DEC19	---	---	---	---	---	---	---	---	25	---	---	---
									524			
GULF COAST JET FUEL CLNDR												
GULF COAST JET VS NYM 2 HO SPRD												
JUN19	---	---	---	---	---	---	---	---	810	---	---	---
JUL19	---	---	---	---	---	---	---	---	220	---	---	---
AUG19	---	---	---	---	---	---	---	---	20	---	---	---
SEP19	---	---	---	---	---	---	---	---	20	---	---	---
OCT19	---	---	---	---	---	---	---	---	20	---	---	---
NOV19	---	---	---	---	---	---	---	---	20	---	---	---
DEC19	---	---	---	---	---	---	---	---	20	---	---	---
JAN20	---	---	---	---	---	---	---	---	20	---	---	---
FEB20	---	---	---	---	---	---	---	---	20	---	---	---
MAR20	---	---	---	---	---	---	---	---	20	---	---	---
APR20	---	---	---	---	---	---	---	---	20	---	---	---
MAY20	---	---	---	---	---	---	---	---	20	---	---	---
JUN20	---	---	---	---	---	---	---	---	20	---	---	---
									1250			
GULF COAST NO.6 FUEL OIL CRACK												
GULF COAST ULSD CALENDAR												
OCT19	---	---	---	---	---	---	---	---	15	---	---	---
NOV19	---	---	---	---	---	---	---	---	15	---	---	---
DEC19	---	---	---	---	---	---	---	---	15	---	---	---
JAN20	---	---	---	---	---	---	---	---	10	---	---	---
FEB20	---	---	---	---	---	---	---	---	10	---	---	---
MAR20	---	---	---	---	---	---	---	---	10	---	---	---
APR20	---	---	---	---	---	---	---	---	10	---	---	---
MAY20	---	---	---	---	---	---	---	---	10	---	---	---
JUN20	---	---	---	---	---	---	---	---	10	---	---	---
									105			
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												
JUN19	---	---	---	---	---	---	---	---	450	---	---	---
AUG19	---	---	---	---	---	---	---	---	125	---	---	---
SEP19	---	---	---	---	---	---	---	---	175	---	---	---
									750			
HEATING OIL CRCK SPRD BALMO SW												
HEATING OIL VS. BRENT CRACK SPREAD												

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MICRO EUROPEAN 3.5% FUEL OIL BARGES													
JUN19	---	---	---	---	---	---	---	---	28	---	---	---	
JUL19	---	---	---	---	---	---	---	---	10	---	---	---	
									38				
MICRO SINGAPORE FUEL OIL 380CST (PL													
MAY19	---	---	---	---	---	---	---	---	12	---	---	---	
JUN19	---	---	---	---	---	---	---	---	9	---	---	---	
JUL19	---	---	---	---	---	---	---	---	5	---	---	---	
AUG19	---	---	---	---	---	---	---	---	5	---	---	---	
SEP19	---	---	---	---	---	---	---	---	5	---	---	---	
									36				
MIN ARGUS PROPANE SAUDI ARAMCO													
JUN19	---	---	---	---	---	---	---	---	10	---	---	---	
JUL19	---	---	---	---	---	---	---	---	20	---	---	---	
AUG19	---	---	---	---	---	---	---	---	20	---	---	---	
SEP19	---	---	---	---	---	---	---	---	10	---	---	---	
OCT19	---	---	---	---	---	---	---	---	10	---	---	---	
NOV19	---	---	---	---	---	---	---	---	10	---	---	---	
DEC19	---	---	---	---	---	---	---	---	10	---	---	---	
JAN20	---	---	---	---	---	---	---	---	20	---	---	---	
									110				
MIN EURO NPHTHA CIF NWE													
JUN19	---	---	---	---	---	---	---	---	148	---	---	---	
JUL19	---	---	---	---	---	---	---	---	10	---	---	---	
									158				
MIN JAPAN C&F NAPHTHA PLATTS													
JUN19	---	---	---	---	---	---	---	---	15	---	---	---	
JUL19	---	---	---	---	---	---	---	---	20	---	---	---	
									35				
MIN JETKERO CRGOS CIF NWE VS GASOIL													
MIN SPORE FUELOIL380CST(PLTS) BALMO													
MIN ULSD 10PPM CRGS CIF NWE VS GSL													
MINI 3.5% FUEL OIL CAR MED													
JUN19	---	---	---	---	---	---	---	---	17	---	---	---	
SEP19	---	---	---	---	---	---	---	---	16	---	---	---	
									33				
MINI ARGUS PROPANE FAR EAST IDX													
JUN19	---	---	---	---	---	---	---	---	10	---	---	---	
JAN20	---	---	---	---	---	---	---	---	5	---	---	---	
FEB20	---	---	---	---	---	---	---	---	5	---	---	---	
MAR20	---	---	---	---	---	---	---	---	5	---	---	---	
APR20	---	---	---	---	---	---	---	---	5	---	---	---	
MAY20	---	---	---	---	---	---	---	---	5	---	---	---	
JUN20	---	---	---	---	---	---	---	---	5	---	---	---	
JUL20	---	---	---	---	---	---	---	---	5	---	---	---	
AUG20	---	---	---	---	---	---	---	---	5	---	---	---	
SEP20	---	---	---	---	---	---	---	---	5	---	---	---	
OCT20	---	---	---	---	---	---	---	---	5	---	---	---	
NOV20	---	---	---	---	---	---	---	---	5	---	---	---	
DEC20	---	---	---	---	---	---	---	---	5	---	---	---	
									70				
MINI EU 1%FO BARGE FOB RDAM FUT													
MINI EU 1%FO CARGO FOB NWE FUT													
MINI EU 3.5%FO BARGE FOB RDAM FUT													
JUN19	---	---	---	---	---	---	---	---	80	---	---	---	
JUL19	---	---	---	---	---	---	---	---	67	---	---	---	
OCT19	---	---	---	---	---	---	---	---	10	---	---	---	
NOV19	---	---	---	---	---	---	---	---	10	---	---	---	
DEC19	---	---	---	---	---	---	---	---	10	---	---	---	
									177				
MINI EUR DIESEL10PPM VS ICE GS													
MINI EURO NAPHTHA BALMO													
MINI EUROPEAN FOB RDAM MARINE FUEL													
MINI GAS EUROBOB OXY BARGES													
JUN19	---	---	---	---	---	---	---	---	50	---	---	---	
JUL19	---	---	---	---	---	---	---	---	20	---	---	---	
									70				
MINI GAS EUROBOB OXY NWE ARGS BALMO													
MINI GSOIL .1 PLTTS VS ICE GSOIL SW													
MINI RBOB V. EBOB(ARGUS) NWE BRGS													
JUN19	---	---	---	---	---	---	---	---	90	---	---	---	
									90				
MINI RBOB V. EBOBARG NWE BRGS BALMO													
MINI SINGAPORE 380CST FUEL OIL													
MAY19	---	---	---	---	---	---	---	---	1	---	---	---	
JUN19	---	---	---	---	---	---	---	---	80	---	---	---	
JUL19	---	---	---	---	---	---	---	---	36	---	---	---	
AUG19	---	---	---	---	---	---	---	---	6	---	---	---	
SEP19	---	---	---	---	---	---	---	---	16	---	---	---	
OCT19	---	---	---	---	---	---	---	---	6	---	---	---	
NOV19	---	---	---	---	---	---	---	---	6	---	---	---	
									151				
MINI SINGAPORE FO 180 CST BALMO FUT													
MINI SINGAPORE FO 180 CST FUT													
JUN19	---	---	---	---	---	---	---	---	10	---	---	---	
									10				
MINI SINGAPORE FOB MARINE FUEL 0.5%													
MINI SINGAPORE GASOIL PLATS FUT													
JUN19	---	---	---	---	---	---	---	---	10	---	---	---	
									10				

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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
NY1% VS GC SPREAD												
NYH NO 2 CRACK SPREAD CAL												
NYMEX HEATING OIL FUTURES												
NYMEX NY HARBOR HEAT OIL CLNDR												
JUN19	---	---	---	---	---	---	---	---	1906	---	---	---
JUL19	---	---	---	---	---	---	---	---	3	---	---	---
AUG19	---	---	---	---	---	---	---	---	5	---	---	---
SEP19	---	---	---	---	---	---	---	---	4	---	---	---
OCT19	---	---	---	---	---	---	---	---	53	---	---	---
NOV19	---	---	---	---	---	---	---	---	43	---	---	---
DEC19	---	---	---	---	---	---	---	---	41	---	---	---
JAN20	---	---	---	---	---	---	---	---	2	---	---	---
FEB20	---	---	---	---	---	---	---	---	2	---	---	---
MAR20	---	---	---	---	---	---	---	---	2	---	---	---
									2061			
NYMEX RBOB GASOLINE FUTURES												
NYM-SINGAPORE FUEL OIL 380CST CRK S												
PREMIUM UNLD 10P FOB MED												
RBOB CALENDAR FUTURE												
JUN19	---	---	---	---	---	---	---	---	42	---	---	---
									42			
RBOB CRACK SPREAD												
RBOB CRACK SPREAD BALMO												
RBOB GAS VS EUROBOB(ARGUS) NWE BRGS												
JUN19	---	---	---	---	---	---	---	---	26	---	---	---
JUL19	---	---	---	---	---	---	---	---	15	---	---	---
									41			
RBOB GAS VS. BRENT CRCK SPRD												
RBOB GASOLINE BALMO CLNDR												
RBOB VS HEATING OIL												
RME BIO ARGUS RDM RED VS ICS GAS												
SING 380 FUEL OIL VS FUEL OIL ROTDM												
JUN19	---	---	---	---	---	---	---	---	10	---	---	---
									10			
SINGAPORE 180CST BALMO												
SINGAPORE 380CST BALMO												
SINGAPORE 380CST FUEL OIL												
JUN19	---	---	---	---	---	---	---	---	158	---	---	---
JUL19	---	---	---	---	---	---	---	---	16	---	---	---
AUG19	---	---	---	---	---	---	---	---	90	---	---	---
SEP19	---	---	---	---	---	---	---	---	11	---	---	---
									275			
SINGAPORE FUEL 180CST CAL												
JUN19	---	---	---	---	---	---	---	---	19	---	---	---
									19			
SINGAPORE FUEL OIL SPREAD												
SINGAPORE GASOIL												
JUN19	---	---	---	---	---	---	---	---	55	---	---	---
									55			
SINGAPORE GASOIL BALMO												
SINGAPORE GASOIL VS ICE												
SINGAPORE JET KERO GASOIL												
SINGAPORE JET KEROSENE												
SPORE FUEL OIL 180CST 6.35 CK												
SPORE FUEL OIL 180CST 6.35 DUBAI CK												
SPORE MOGAS92 UNLD BRENT SPRD												
ULSD UP-DOWN BALMO												
UP DOWN GC ULSD VS NMX HO SPRD												
JUN19	---	---	---	---	---	---	---	---	1560	---	---	---
JUL19	---	---	---	---	---	---	---	---	700	---	---	---
SEP19	---	---	---	---	---	---	---	---	100	---	---	---
OCT19	---	---	---	---	---	---	---	---	300	---	---	---
NOV19	---	---	---	---	---	---	---	---	300	---	---	---
DEC19	---	---	---	---	---	---	---	---	300	---	---	---
JAN20	---	---	---	---	---	---	---	---	23	---	---	---
FEB20	---	---	---	---	---	---	---	---	23	---	---	---
MAR20	---	---	---	---	---	---	---	---	23	---	---	---
APR20	---	---	---	---	---	---	---	---	23	---	---	---
MAY20	---	---	---	---	---	---	---	---	23	---	---	---
JUN20	---	---	---	---	---	---	---	---	23	---	---	---
JUL20	---	---	---	---	---	---	---	---	23	---	---	---
AUG20	---	---	---	---	---	---	---	---	23	---	---	---
SEP20	---	---	---	---	---	---	---	---	23	---	---	---
OCT20	---	---	---	---	---	---	---	---	23	---	---	---
NOV20	---	---	---	---	---	---	---	---	23	---	---	---
DEC20	---	---	---	---	---	---	---	---	23	---	---	---
									3536			
USGC MARINE FUEL 0.5% (PLATTS) VS.												

NGL PETROCHEM 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
ARGS FAR E NDX VS EUR CIF ARA												
ARGUS PROPAN FAR EST INDEX												
JUN19	---	---	---	---	---	---	---	---	134	---	---	---
JUL19	---	---	---	---	---	---	---	---	72	---	---	---
AUG19	---	---	---	---	---	---	---	---	30	---	---	---
SEP19	---	---	---	---	---	---	---	---	23	---	---	---

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	DELIVERY CASH OR PHY SETTLED	MONTH- TO-DATE	FFP 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
AUG19	---	---	---	---	---	---	---	---	2	---	---	---
SEP19	---	---	---	---	---	---	---	---	2	---	---	---
OCT19	---	---	---	---	---	---	---	---	2	---	---	---
NOV19	---	---	---	---	---	---	---	---	2	---	---	---
DEC19	---	---	---	---	---	---	---	---	2	---	---	---
									280			
CONWAY NORMAL BUTANE												
CONWAY PROPANE (OPIS) BALMO												
CONWAY PROPANE 5 DEC.												
JUN19	---	---	---	---	---	---	---	---	305	---	---	---
JUL19	---	---	---	---	---	---	---	---	94	---	---	---
AUG19	---	---	---	---	---	---	---	---	89	---	---	---
SEP19	---	---	---	---	---	---	---	---	89	---	---	---
OCT19	---	---	---	---	---	---	---	---	58	---	---	---
NOV19	---	---	---	---	---	---	---	---	158	---	---	---
DEC19	---	---	---	---	---	---	---	---	53	---	---	---
JAN20	---	---	---	---	---	---	---	---	131	---	---	---
FEB20	---	---	---	---	---	---	---	---	131	---	---	---
MAR20	---	---	---	---	---	---	---	---	111	---	---	---
APR20	---	---	---	---	---	---	---	---	3	---	---	---
MAY20	---	---	---	---	---	---	---	---	3	---	---	---
JUN20	---	---	---	---	---	---	---	---	3	---	---	---
JUL20	---	---	---	---	---	---	---	---	3	---	---	---
AUG20	---	---	---	---	---	---	---	---	3	---	---	---
SEP20	---	---	---	---	---	---	---	---	3	---	---	---
OCT20	---	---	---	---	---	---	---	---	3	---	---	---
NOV20	---	---	---	---	---	---	---	---	3	---	---	---
DEC20	---	---	---	---	---	---	---	---	3	---	---	---
									1246			
EUR PROPANE CIF ARA ARGUS BALMO												
24MAY19	---	---	---	---	---	---	---	---	1	---	---	---
									1			
EURO PROPANE CIF ARA												
JUN19	---	---	---	---	---	---	---	---	23	---	---	---
JUL19	---	---	---	---	---	---	---	---	17	---	---	---
OCT19	---	---	---	---	---	---	---	---	5	---	---	---
NOV19	---	---	---	---	---	---	---	---	5	---	---	---
DEC19	---	---	---	---	---	---	---	---	5	---	---	---
JAN20	---	---	---	---	---	---	---	---	2	---	---	---
									57			
MINI EURO PROPANE CIF ARA ARGUS FUT												
MT BELVIEU ETHANE BALMO												
MT BELVIEU LDH PROPANE BALMO												
MT BELVIEU NAT GASOLINE BALMO												
MT BELVIEU NORMAL BUTANE BALM												
MT BELVIEU ETHANE 5-DCML (OPIS)												
JUN19	---	---	---	---	---	---	---	---	90	---	---	---
JUL19	---	---	---	---	---	---	---	---	90	---	---	---
OCT19	---	---	---	---	---	---	---	---	30	---	---	---
NOV19	---	---	---	---	---	---	---	---	30	---	---	---
DEC19	---	---	---	---	---	---	---	---	30	---	---	---
JAN20	---	---	---	---	---	---	---	---	30	---	---	---
FEB20	---	---	---	---	---	---	---	---	30	---	---	---
MAR20	---	---	---	---	---	---	---	---	30	---	---	---
									360			
MT BELVIEU ETHYLENE (PCW) FINCL												
SEP19	---	---	---	---	---	---	---	---	30	---	---	---
JAN20	---	---	---	---	---	---	---	---	5	---	---	---
FEB20	---	---	---	---	---	---	---	---	5	---	---	---
MAR20	---	---	---	---	---	---	---	---	5	---	---	---
APR20	---	---	---	---	---	---	---	---	5	---	---	---
MAY20	---	---	---	---	---	---	---	---	5	---	---	---
JUN20	---	---	---	---	---	---	---	---	5	---	---	---
									60			
MT BELVIEU ETHYLENE IN-WELL (PCW)												
MAY19	---	---	---	---	---	---	---	---	30	---	---	---
									30			
MT BELVIEU ISO BUTANE 5 DEC. S												
MT BELVIEU NAT GAS 5-DCML (OPIS)												
JUN19	---	---	---	---	---	---	---	---	20	---	---	---
JUL19	---	---	---	---	---	---	---	---	50	---	---	---
AUG19	---	---	---	---	---	---	---	---	50	---	---	---
SEP19	---	---	---	---	---	---	---	---	25	---	---	---
									145			
MT BELVIEU NORMAL BUTANE LDH(OPIS)												
JUL19	---	---	---	---	---	---	---	---	8	---	---	---
AUG19	---	---	---	---	---	---	---	---	8	---	---	---
SEP19	---	---	---	---	---	---	---	---	8	---	---	---
									24			
MT BELVIEU NRM BUTANE 5-DCML (OPIS)												
JUN19	---	---	---	---	---	---	---	---	305	---	---	---
JUL19	---	---	---	---	---	---	---	---	213	---	---	---
AUG19	---	---	---	---	---	---	---	---	103	---	---	---
SEP19	---	---	---	---	---	---	---	---	153	---	---	---
OCT19	---	---	---	---	---	---	---	---	200	---	---	---
NOV19	---	---	---	---	---	---	---	---	200	---	---	---
DEC19	---	---	---	---	---	---	---	---	150	---	---	---
JAN20	---	---	---	---	---	---	---	---	15	---	---	---
FEB20	---	---	---	---	---	---	---	---	140	---	---	---
MAR20	---	---	---	---	---	---	---	---	15	---	---	---
APR20	---	---	---	---	---	---	---	---	15	---	---	---
MAY20	---	---	---	---	---	---	---	---	15	---	---	---
JUN20	---	---	---	---	---	---	---	---	15	---	---	---
JUL20	---	---	---	---	---	---	---	---	15	---	---	---
AUG20	---	---	---	---	---	---	---	---	15	---	---	---
SEP20	---	---	---	---	---	---	---	---	15	---	---	---
OCT20	---	---	---	---	---	---	---	---	15	---	---	---

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APR20	---	---	---	---	---	---	---	---	163	---	---	---
MAY20	---	---	---	---	---	---	---	---	213	---	---	---
JUN20	---	---	---	---	---	---	---	---	163	---	---	---
JUL20	---	---	---	---	---	---	---	---	93	---	---	---
AUG20	---	---	---	---	---	---	---	---	93	---	---	---
SEP20	---	---	---	---	---	---	---	---	93	---	---	---
OCT20	---	---	---	---	---	---	---	---	93	---	---	---
NOV20	---	---	---	---	---	---	---	---	93	---	---	---
DEC20	---	---	---	---	---	---	---	---	98	---	---	---
JAN21	---	---	---	---	---	---	---	---	5	---	---	---
FEB21	---	---	---	---	---	---	---	---	5	---	---	---
									2563			

PROPANE NON LDH MT BELVIEU
PROPANE NON LDH MT BLV BALMO

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	TAS DAILY TOTAL
CHICAGO ETHANOL												
JUN19	---	---	---	---	---	---	---	---	2334	---	---	---
JUL19	---	---	---	---	---	---	---	---	483	---	---	---
AUG19	---	---	---	---	---	---	---	---	1910	---	---	---
SEP19	---	---	---	---	---	---	---	---	1060	---	---	---
OCT19	---	---	---	---	---	---	---	---	215	---	---	---
NOV19	---	---	---	---	---	---	---	---	215	---	---	---
DEC19	---	---	---	---	---	---	---	---	265	---	---	---
									6482			
ETHANOL(PL) T2 FOB RTRDM INCL												
JUN19	---	---	---	---	---	---	---	---	40	---	---	---
JUL19	---	---	---	---	---	---	---	---	40	---	---	---
SEP19	---	---	---	---	---	---	---	---	13	---	---	---
									93			

METHANOL FOBHOUSTON (ARGUS)
METHANOL T2 FOB RDAM (ICIS) FUTURES
NEW YORK ETHANOL

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	TAS DAILY TOTAL
AEP-DAYTON HUB DAILY												
CIN HUB 5MW D AH PK												
CIN HUB 5MW REAL TIME O PK												
CIN HUB 5MW REAL TIME PK												
GERMAN POWER BASELOAD CAL MONTH FUT												
ISO NEW ENG MASS HUB DA OP DAILY												
MISO INDIANA HUB 5MW OFFPK CALDAY RT												
MISO INDIANA HUB 5MW PK CAL DAYHD												
MISO INDIANA HUB 5MW PK CAL-DAY RT												
N ILLINOIS HUB DAILY												
NEPOOL INTR HUB 5MW D AH O PK												
NEPOOL INTR HUB 5MW D AH PK												
NEPOOL NE MASS 5MW D AH O PK												
NEPOOL NE MASS 5MW D AH PK												
NEW ENGLAND HUB PEAK DAILY												
NEW YORK HUB ZONE G PEAK DAILY												
NEW YORK HUB ZONE J PEAK DAILY												
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 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												
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 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												

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PJM NORTERN ILL HUB DA OP DAILY									
PJM NORTERN ILL HUB DA PEAK DAILY									
PJM NORTERN ILL HUB RT OP DAILY									
PJM PECO Z5 MW OFPK CLM DA LMP									
PJM PECO Z5 MW PK CLM DA LMP									
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									
JUN19	---	---	---	---	---	---	2660	---	---
JUL19	---	---	---	---	---	---	2926	---	---
AUG19	---	---	---	---	---	---	2926	---	---
SEP19	---	---	---	---	---	---	2660	---	---
OCT19	---	---	---	---	---	---	3059	---	---
NOV19	---	---	---	---	---	---	2660	---	---
DEC19	---	---	---	---	---	---	2793	---	---
							19684		
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 (ICI4) INDONESIA COAL INDEX									
JUL19	---	---	---	---	---	---	10	---	---
							10		
COAL API2 CIF ARA ARG-MCCLOSKEY									
MAY19	---	---	---	---	---	---	50	---	---
JUN19	---	---	---	---	---	---	280	---	---
JUL19	---	---	---	---	---	---	106	---	---
AUG19	---	---	---	---	---	---	81	---	---
SEP19	---	---	---	---	---	---	76	---	---
OCT19	---	---	---	---	---	---	116	---	---
NOV19	---	---	---	---	---	---	116	---	---
DEC19	---	---	---	---	---	---	116	---	---
JAN20	---	---	---	---	---	---	174	---	---
FEB20	---	---	---	---	---	---	174	---	---
MAR20	---	---	---	---	---	---	174	---	---
APR20	---	---	---	---	---	---	62	---	---
MAY20	---	---	---	---	---	---	62	---	---
JUN20	---	---	---	---	---	---	62	---	---
JUL20	---	---	---	---	---	---	59	---	---
AUG20	---	---	---	---	---	---	59	---	---
SEP20	---	---	---	---	---	---	59	---	---
OCT20	---	---	---	---	---	---	57	---	---
NOV20	---	---	---	---	---	---	57	---	---
DEC20	---	---	---	---	---	---	57	---	---
JAN21	---	---	---	---	---	---	10	---	---
FEB21	---	---	---	---	---	---	10	---	---
MAR21	---	---	---	---	---	---	10	---	---
APR21	---	---	---	---	---	---	10	---	---
MAY21	---	---	---	---	---	---	10	---	---
JUN21	---	---	---	---	---	---	10	---	---
JUL21	---	---	---	---	---	---	10	---	---
AUG21	---	---	---	---	---	---	10	---	---
SEP21	---	---	---	---	---	---	10	---	---
OCT21	---	---	---	---	---	---	10	---	---
NOV21	---	---	---	---	---	---	10	---	---
DEC21	---	---	---	---	---	---	10	---	---
							2117		
COAL API4 RCH BAY ARGS MCCLOSKEY SW									
JUN19	---	---	---	---	---	---	10	---	---
							10		

FREIGHT 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
FREIGHT ROUTE LIQUID PETROLEUM GAS									
FREIGHT ROUTE TC14 (BALTIC) FUTURES									
JUL19	---	---	---	---	---	---	20	---	---
							20		
FREIGHT ROUTE TD20 (BALTIC) FUTURES									
JAN20	---	---	---	---	---	---	20	---	---
FEB20	---	---	---	---	---	---	20	---	---
MAR20	---	---	---	---	---	---	20	---	---
APR20	---	---	---	---	---	---	20	---	---
MAY20	---	---	---	---	---	---	20	---	---
JUN20	---	---	---	---	---	---	20	---	---
JUL20	---	---	---	---	---	---	20	---	---
AUG20	---	---	---	---	---	---	20	---	---
SEP20	---	---	---	---	---	---	20	---	---
OCT20	---	---	---	---	---	---	20	---	---
NOV20	---	---	---	---	---	---	20	---	---
DEC20	---	---	---	---	---	---	20	---	---
							240		
FREIGHT ROUTE TD3C (PLATTS) FUTURES									
FREIGHT ROUTE TD8 (BALTIC) FUTURES									
TC2 ROTTERDAM TO USAC 37K MT									

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FINAL

PG61	BULLETIN # 99@	ENERGY FUTURES PRODUCTS									Thu, May 23, 2019	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		
JAN20	---	---	---	---	---	---	---	25	---	---		
FEB20	---	---	---	---	---	---	---	25	---	---		
MAR20	---	---	---	---	---	---	---	25	---	---		
APR20	---	---	---	---	---	---	---	35	---	---		
MAY20	---	---	---	---	---	---	---	35	---	---		
JUN20	---	---	---	---	---	---	---	35	---	---		
JUL20	---	---	---	---	---	---	---	25	---	---		
AUG20	---	---	---	---	---	---	---	25	---	---		
SEP20	---	---	---	---	---	---	---	25	---	---		
OCT20	---	---	---	---	---	---	---	25	---	---		
NOV20	---	---	---	---	---	---	---	25	---	---		
DEC20	---	---	---	---	---	---	---	25	---	---		
								305				

PLASTICS 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
PGP POLYMER GRD PROPYLENE CAL										
JAN20	---	---	---	---	---	---	---	10	---	---
FEB20	---	---	---	---	---	---	---	10	---	---
MAR20	---	---	---	---	---	---	---	10	---	---
								30		

TRADE AT MARKER PRODUCTS

			VOLUME	BLOCK VOL	MARKER PRICE
BZL	BZL	BRENT CRUDE TAM LONDON			
JUL19			----	----	70.31
AUG19			----	----	69.36
SEP19			----	----	68.51
TOTAL	BRENT CRUDE TAM LONDON		----	----	
BZS	BZS	BRENT CRUDE TAM SINGAPORE			
JUL19			----	----	70.31
AUG19			----	----	69.36
SEP19			----	----	68.51
TOTAL	BRENT CRUDE TAM SINGAPORE		----	----	
CLL	CLL	CRUDE OIL TRADE AT MARKER LONDON			
JUL19			----	----	60.93
AUG19			----	----	61.01
SEP19			----	----	61.00
TOTAL	CRUDE OIL TRADE AT MARKER LONDON		----	----	
CLS	CLS	CRUDE OIL TRADE AT MARKER SINGAPORE			
JUL19			----	----	60.93
AUG19			----	----	61.01
SEP19			----	----	61.00
TOTAL	CRUDE OIL TRADE AT MARKER SINGAPORE		----	----	
HOL	HOL	HEATING OIL TAM AT LONDON			
JUN19			----	----	1.9632
JUL19			----	----	1.9644
AUG19			----	----	1.9684
TOTAL	HEATING OIL TAM AT LONDON		----	----	
RBL	RBL	RBOB GASOLINE TAM LONDON			
JUN19			----	----	1.9056
JUL19			----	----	1.8827
AUG19			----	----	1.8507
TOTAL	RBOB GASOLINE TAM LONDON		----	----	