

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

PG61 BULLETIN #140@ ENERGY FUTURES PRODUCTS Mon, Jul 24, 2017 PG61

THE CME GROUP DAILY BULLETIN ONLY DISPLAYS THOSE PRODUCTS/CONTRACT MONTHS THAT HAVE VOLUME AND/OR OPEN INTEREST. VOLUME INCLUDES GLOBEX (ELECTRONIC) AND PRIVATELY NEGOTIATED TRANSACTIONS (PNT) THAT INCLUDE CME CLEARPORT ACTIVITY. VOLUME OR OPEN INTEREST CHANGES (BOTH BEFORE AND AFTER THE LAST DAY OF TRADING) MAY BE AFFECTED BY: PRIVATELY NEGOTIATED TRANSACTIONS, PRIOR DAY CLEARED TRADES, POSITION ADJUSTMENTS, DELIVERIES, CASH SETTLEMENTS, OPTION EXERCISES OR ASSIGNMENTS.

PRICE INDICATOR KEY

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

CORE FUTURES PRODUCTS

CL FUT	NYMEX CRUDE OIL (PHYSICAL)	SETTL. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
AUG17	----	46.79 UNCH	----	----	0 - 1529	
SEP17	45.62	46.34 + 0.57	705264	2646	621022 - 32	
OCT17	45.78	46.51 + 0.56	88823	3946	182991 + 4128	
NOV17	46.05	46.72 + 0.53	30764	1514	117802 + 2240	
DEC17	46.35	47.10 /46.10	57801	1800	334290 + 6349	
JAN18	46.58	47.31 /46.35	13992	1695	120101 + 2814	
FEB18	46.76	47.47 /46.53	8192	530	51142 + 971	
MAR18	46.98	47.60 /46.86A	11052	272	67490 + 9	
APR18	47.14	47.70 /47.02A	2587	34	24275 + 112	
MAY18	47.41	47.78 /47.00	1729	134	31889 + 224	
JUN18	47.32	47.90 /47.09A	17063	4583	123026 - 2508	
JUL18	47.80	47.82B/47.78A	568	130	25479 + 34	
AUG18	47.39	48.04B/47.31A	957	73	14634 + 6	
SEP18	----	48.04 + 0.45	1673	136	39732 - 16	
OCT18	48.15	48.13 + 0.45	2601	94	16294 + 1280	
NOV18	----	48.23 + 0.45	1899	93	18301 + 129	
DEC18	47.82	48.34 + 0.44	26803	1436	172523 + 1645	
JAN19	----	48.41 + 0.44	645	97	16422 - 259	
FEB19	----	48.49 + 0.45	775	39	6895 + 521	
MAR19	----	48.57 + 0.45	1112	4	19040 + 346	
APR19	----	48.66 + 0.45	564	5	6205 + 463	
MAY19	----	48.75 + 0.45	591	3	5894 + 485	
JUN19	48.51	48.85 + 0.45	831	384	23807 - 583	
JUL19	----	48.91 + 0.45	74	----	3762 + 35	
AUG19	----	49.00 + 0.46	6	----	1023 UNCH	
SEP19	----	49.10 + 0.46	6	250	6138 + 200	
OCT19	----	49.21 + 0.46	4	----	1910 - 2	
NOV19	----	49.33 + 0.46	4	----	1953 + 2	
DEC19	49.18	49.46 + 0.46	3158	243	53180 + 521	
JAN20	----	49.54 + 0.47	----	19	1510 - 19	
FEB20	----	49.62 + 0.47	----	----	1062 UNCH	
MAR20	----	49.71 + 0.48	----	----	1024 UNCH	
APR20	----	49.81 + 0.48	----	----	610 UNCH	
MAY20	----	49.92 + 0.48	----	----	23 UNCH	
JUN20	----	50.05 + 0.48	1	125	4667 UNCH	
JUL20	----	50.12 + 0.48	----	----	123 UNCH	
AUG20	----	50.21 + 0.48	----	----	620 UNCH	
SEP20	----	50.31 + 0.48	----	250	499 + 250	
OCT20	----	50.44 + 0.49	----	----	10 UNCH	
NOV20	----	50.59 + 0.49	----	----	53 UNCH	
DEC20	50.49	50.77 + 0.49	524	300	24417 + 107	
JUN21	----	51.45 + 0.50	----	----	400 UNCH	
OCT21	----	51.85 + 0.50	----	----	1 UNCH	
DEC21	52.39	52.19 + 0.50	63	----	5154 + 41	
DEC22	----	53.49 + 0.50	----	----	405 UNCH	
DEC23	----	54.51 + 0.50	----	----	146 UNCH	
DEC24	----	55.31 + 0.50	----	----	8 UNCH	
DEC25	----	55.91 + 0.50	----	----	10 UNCH	
TOTAL CL FUT			980126	20835	2147962 + 17964	
HO FUT	NYMEX HEATING OIL (PHYSICAL)					
AUG17	1.5147	1.5316 /1.5020A	1.5169 + 0.0017	22886	3537	31552 - 10011
SEP17	1.5191	1.5367 /1.5061	1.5221 + 0.0021	54710	2959	127291 + 6040
OCT17	1.5252	1.5425 /1.5123	1.5287 + 0.0030	21373	1240	48487 - 2042
NOV17	1.5316	1.5484B/1.5196A	1.5358 + 0.0037	15331	188	34407 + 2053
DEC17	1.5357	1.5533B/1.5250A	1.5417 + 0.0046	14840	464	57887 + 816
JAN18	1.5427	1.5580B/1.5302A	1.5479 + 0.0057	3675	152	25012 + 824
FEB18	1.5448	1.5592B/1.5326A	1.5507 + 0.0067	1096	188	11034 + 108
MAR18	1.5511	1.5577B/1.5317A	1.5497 + 0.0073	1470	----	13394 + 20
APR18	1.5354	1.5509B/1.5260A	1.5437 + 0.0076	457	----	6839 - 20
MAY18	1.5250	1.5400 /1.5250	1.5402 + 0.0078	171	----	3581 + 35
JUN18	1.5250	1.5457B/1.5224A	1.5397 + 0.0081	624	211	17627 - 4
JUL18	----	1.5494B/1.5269A	1.5437 + 0.0085	23	----	1910 + 5
AUG18	----	1.5544B/1.5325A	1.5490 + 0.0084	12	----	1494 + 4
SEP18	1.5531	1.5600B/1.5386A	1.5548 + 0.0086	21	----	1477 + 15
OCT18	----	1.5668B/1.5456A	1.5614 + 0.0086	37	----	863 + 3
NOV18	----	----	1.5690 + 0.0087	25	----	1803 - 1
DEC18	1.5778	1.5817B/1.5584A	1.5761 + 0.0091	231	325	17204 + 128
JAN19	----	----	1.5831 + 0.0091	4	----	2596 UNCH
FEB19	----	----	1.5856 + 0.0091	5	----	195 + 1
MAR19	----	----	1.5836 + 0.0091	5	----	131 UNCH
APR19	----	----	1.5771 + 0.0091	19	----	136 + 15
MAY19	----	----	1.5766 + 0.0091	18	----	103 - 15
JUN19	----	1.5718B	1.5791 + 0.0091	4	----	1631 UNCH
JUL19	----	----	1.5861 + 0.0091	----	----	46 UNCH
AUG19	----	----	1.5946 + 0.0091	----	----	43 UNCH
SEP19	----	----	1.6046 + 0.0091	----	----	45 UNCH
OCT19	----	----	1.6136 + 0.0091	----	----	34 UNCH
NOV19	----	----	1.6216 + 0.0096	----	----	35 UNCH
DEC19	----	1.6242B	1.6291 + 0.0101	7	150	3201 + 7
JAN20	----	----	1.6376 + 0.0106	----	----	7 UNCH
FEB20	----	----	1.6431 + 0.0111	----	----	4 UNCH
MAR20	----	----	1.6441 + 0.0116	----	----	4 UNCH
APR20	----	----	1.6386 + 0.0116	----	----	3 UNCH
MAY20	----	----	1.6386 + 0.0116	----	----	2 UNCH
DEC20	----	----	1.6806 + 0.0151	7	----	314 + 7
TOTAL HO FUT			137051	9414	410392 - 2012	
RB FUT	NYMEX NY HARBOR GAS (RBOB) (PHY)					
AUG17	1.5575	1.5787 /1.5444	1.5568 - 0.0065	26820	7103	29204 - 7573
SEP17	1.5311	1.5508 /1.5172	1.5336 - 0.0066	61200	3575	127952 + 1274
OCT17	1.4245	1.4413B/1.4122	1.4310 + 0.0028	32818	854	70665 + 1635
NOV17	1.4015	1.4161B/1.3894	1.4085 + 0.0044	15632	306	46083 + 1289
DEC17	1.3844	1.3967 /1.3720	1.3910 + 0.0050	11809	515	48365 + 970
JAN18	1.3826	1.3960B/1.3737A	1.3922 + 0.0059	2704	209	15883 + 643

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FINAL

PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
RB FUT NYMEX NY HARBOR GAS (RBOB) (PHY)								
FEB18	1.3908	1.4067B/1.3852A	1.4037 + 0.0066		544	1	8467 +	94
MAR18	1.4200	1.4256B/1.4051A	1.4233 + 0.0070		847	----	10426 -	218
APR18	----	1.6014B/1.5825A	1.5998 + 0.0068		212	100	7977 +	5
MAY18	----	----	1.6062 + 0.0067		156	----	3581 +	14
JUN18	1.5968	1.6024B/1.5832A	1.6000 + 0.0067		253	125	7844 -	8
JUL18	----	1.5865B	1.5866 + 0.0068		41	----	2209 +	25
AUG18	----	----	1.5690 + 0.0070		26	----	1669 +	10
SEP18	----	----	1.5448 + 0.0071		54	----	2248	UNCH
OCT18	----	----	1.4294 + 0.0069		64	----	954 +	25
NOV18	----	----	1.4048 + 0.0071		55	----	1506 +	5
DEC18	1.3875	1.3886B/1.3730A	1.3875 + 0.0072		75	16	4384 -	22
JAN19	----	----	1.3881 + 0.0072		3	----	292 +	2
FEB19	----	----	1.4006 + 0.0072		----	----	5	UNCH
MAR19	----	----	1.4241 + 0.0072		----	----	26	UNCH
APR19	----	----	1.6216 + 0.0072		----	----	16	UNCH
MAY19	----	----	1.6271 + 0.0072		----	----	8	UNCH
JUN19	----	----	1.6221 + 0.0072		----	----	14	UNCH
JUL19	----	----	1.6046 + 0.0072		----	----	1	UNCH
OCT19	----	----	1.4321 + 0.0072		----	----	1	UNCH
DEC19	----	----	1.3891 + 0.0072		----	----	329	UNCH
JAN20	----	----	1.3921 + 0.0072		----	----	1	UNCH
APR20	----	----	1.6251 + 0.0072		----	----	1	UNCH
DEC20	----	----	1.3891 + 0.0072		----	----	1	UNCH
TOTAL RB FUT					153313	12804	390112 -	1830
NG FUT NATURAL GAS HENRY HUB (PHYSICAL)								
AUG17	2.914	2.955 /2.880	2.899 - 0.071		122661	5775	25645 -	30059
SEP17	2.921	2.942 /2.866	2.882 - 0.079		140133	3649	316563 +	12522
OCT17	2.953	2.978 /2.903	2.917 - 0.081		56622	2	191960 -	4480
NOV17	3.029	3.052 /2.982	2.998 - 0.073		23300	36	85955 +	1663
DEC17	3.180	3.203 /3.138	3.153 - 0.069		15601	93	74037 +	1021
JAN18	3.281	3.296 /3.232	3.246 - 0.070		27051	210	120277 +	3420
FEB18	3.255	3.278B/3.217	3.230 - 0.073		10893	145	49341 +	3590
MAR18	3.206	3.223 /3.166	3.178 - 0.071		16065	2147	82413 -	1386
APR18	2.850	2.862 /2.813	2.823 - 0.056		11933	1044	104199 +	1430
MAY18	2.818	2.829 /2.782	2.793 - 0.052		3857	265	39075 +	69
JUN18	2.842	2.853 /2.811A	2.819 - 0.051		1815	878	24303 +	1198
JUL18	2.867	2.881 /2.835	2.844 - 0.051		2029	34	24393 -	169
AUG18	2.880	2.885 /2.840A	2.850 - 0.051		1299	35	20505 -	416
SEP18	2.857	2.860B/2.818	2.828 - 0.050		809	107	19479 +	91
OCT18	2.885	2.886 /2.836	2.848 - 0.050		3960	163	46169 +	1102
NOV18	2.921	2.921 /2.886A	2.897 - 0.050		2172	53	20558 +	293
DEC18	3.060	3.060 /3.019	3.025 - 0.051		1964	215	22073 +	950
JAN19	3.149	3.154 /3.100	3.108 - 0.052		2083	----	11494 +	746
FEB19	3.105	3.105 /3.074	3.077 - 0.053		436	----	3307 +	74
MAR19	3.040	3.046 /3.001	3.003 - 0.053		2421	----	6365 -	518
APR19	2.675	2.680B/2.647	2.648 - 0.037		1726	70	7792 +	941
MAY19	2.634	2.636 /2.615	2.615 - 0.037		32	----	2045 +	12
JUN19	2.657	2.657 /2.639	2.637 - 0.037		253	----	1997 +	221
JUL19	2.682	2.682 /2.682	2.661 - 0.037		29	----	1552 +	3
AUG19	----	----	2.673 - 0.038		4	----	1352 +	4
SEP19	----	----	2.656 - 0.038		139	----	1549 +	62
OCT19	2.684	2.684 /2.684	2.682 - 0.038		9	----	2220	UNCH
NOV19	----	2.750A	2.754 - 0.040		----	----	1388	UNCH
DEC19	2.920	2.920 /2.915	2.899 - 0.041		21	----	1403 +	10
JAN20	3.040	3.040 /3.000	3.004 - 0.041		13	----	989 +	11
FEB20	----	----	2.974 - 0.044		----	----	535	UNCH
MAR20	2.915	2.915 /2.915	2.911 - 0.044		10	----	749	UNCH
APR20	----	----	2.596 - 0.044		----	----	893	UNCH
MAY20	2.600	2.600 /2.600	2.578 - 0.044		5	----	632	UNCH
JUN20	----	----	2.608 - 0.044		----	----	533	UNCH
JUL20	----	----	2.640 - 0.044		----	----	515	UNCH
AUG20	----	----	2.661 - 0.044		----	----	481	UNCH
SEP20	----	----	2.660 - 0.044		----	----	481	UNCH
OCT20	----	----	2.687 - 0.044		----	----	508	UNCH
NOV20	----	----	2.762 - 0.044		----	----	515	UNCH
DEC20	----	----	2.909 - 0.044		----	204	750 -	62
JAN21	3.025	3.025 /3.025	3.016 - 0.046		2	30	144 +	2
FEB21	3.000	3.000 /3.000	2.986 - 0.049		11	30	143 +	11
MAR21	----	----	2.923 - 0.048		----	30	120	UNCH
APR21	----	----	2.610 - 0.048		----	30	83	UNCH
MAY21	----	----	2.595 - 0.048		----	30	69	UNCH
JUN21	----	----	2.623 - 0.048		----	30	68	UNCH
JUL21	----	----	2.655 - 0.048		----	30	66	UNCH
AUG21	----	----	2.679 - 0.048		----	30	68	UNCH
SEP21	----	----	2.684 - 0.048		----	30	74	UNCH
OCT21	----	----	2.712 - 0.048		----	30	70	UNCH
NOV21	----	----	2.789 - 0.048		----	30	69	UNCH
DEC21	2.925	2.925 /2.925	2.936 - 0.048		5	30	103	UNCH
JAN22	----	----	3.046 - 0.048		1	----	10 +	1
FEB22	3.000	3.000 /3.000	3.013 - 0.048		12	----	17 +	12
MAR22	----	----	2.948 - 0.048		1	----	19 +	1
APR22	----	----	2.635 - 0.048		1	----	14 +	1
MAY22	2.670	2.670 /2.670	2.623 - 0.048		2	----	16 +	2
JUN22	----	----	2.651 - 0.048		1	----	14 +	1
JUL22	----	----	2.683 - 0.048		1	----	15 +	1
AUG22	----	----	2.711 - 0.048		1	----	15 +	1
SEP22	----	----	2.716 - 0.048		1	----	14 +	1
OCT22	----	----	2.748 - 0.048		1	----	14 +	1
NOV22	----	----	2.825 - 0.048		1	----	14 +	1
DEC22	3.001	3.001 /3.000	2.974 - 0.047		17	----	19 +	17
JAN23	----	----	3.090 - 0.045		----	----	3	UNCH
MAR23	3.000	3.000 /3.000	2.995 - 0.043		11	----	11 +	11
APR23	----	----	2.685 - 0.040		----	----	11	UNCH
MAY23	----	----	2.673 - 0.040		----	----	13	UNCH
JUN23	----	----	2.701 - 0.040		----	----	11	UNCH
JUL23	----	----	2.733 - 0.040		----	----	11	UNCH
AUG23	2.801	2.801 /2.801	2.761 NEW		11	----	11 +	11
OCT23	----	----	2.803 - 0.040		----	----	4	UNCH
MAY24	----	----	2.734 - 0.035		----	----	2	UNCH
MAY25	----	----	2.793 - 0.031		----	----	1	UNCH
TOTAL NG FUT					449425	15485	1318326 -	7582
BZ FUT NYMEX BRENT OIL LAST DAY FUTURES								
SEP17	47.89	48.76 /47.68	48.60 + 0.54		25382	26	20840 +	28
OCT17	48.20	48.99B/47.96A	48.82 + 0.51		13005	----	14992 +	207
NOV17	48.67	49.22B/48.35	49.09 + 0.49		7126	----	7836 +	321

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
NYMEX BRENT OIL LAST DAY FUTURES						
BZ FUT						
DEC17	49.03	49.49 /48.63	49.35 + 0.47	8090	5	26026 + 71
JAN18	49.65	49.65 /49.62	49.57 + 0.44	2841	----	6660 - 104
FEB18	49.79	49.80 /49.79	49.81 + 0.43	2340	----	5127 - 152
MAR18	----	----	50.01 + 0.42	1591	----	3565 + 19
APR18	----	----	50.17 + 0.42	761	----	2083 - 7
MAY18	----	----	50.32 + 0.43	750	----	2030 + 21
JUN18	50.25	50.47 /50.25	50.45 + 0.44	1902	----	5885 - 186
JUL18	50.50	50.50 /50.50	50.60 + 0.44	626	----	1486 - 13
AUG18	----	----	50.73 + 0.44	438	----	1506 + 152
SEP18	----	----	50.84 + 0.44	142	----	2038 + 41
OCT18	----	----	50.95 + 0.45	65	----	1223 + 41
NOV18	----	----	51.06 + 0.45	28	----	960 - 20
DEC18	51.13	51.13 /51.00	51.17 + 0.45	1702	----	21360 - 92
JAN19	----	----	51.29 + 0.45	6	----	759 UNCH
FEB19	----	----	51.43 + 0.46	6	----	600 - 6
MAR19	----	----	51.57 + 0.47	----	----	382 UNCH
APR19	----	----	51.73 + 0.48	8	----	239 + 8
MAY19	----	----	51.84 + 0.49	8	----	210 + 8
JUN19	----	----	51.93 + 0.49	52	----	705 - 6
JUL19	----	----	52.09 + 0.50	----	----	204 UNCH
AUG19	----	----	52.22 + 0.51	----	----	200 UNCH
SEP19	----	----	52.34 + 0.51	----	----	600 UNCH
OCT19	----	----	52.47 + 0.52	----	----	200 UNCH
NOV19	----	----	52.54 + 0.53	----	----	200 UNCH
DEC19	----	----	52.59 + 0.53	183	----	4268 - 19
JUN20	----	----	53.31 + 0.57	----	----	6 UNCH
DEC20	----	----	53.92 + 0.61	----	----	113 UNCH
DEC21	----	----	55.33 + 0.65	----	----	29 UNCH
TOTAL BZ FUT				67052	31	132332 + 312

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
EUROPEAN GASOIL ICE FUTURE						
7F FUT						
AUG17	----	----	451.50 - 1.25	30	----	183 + 8
SEP17	----	----	452.00 - 1.00	40	----	188 - 17
OCT17	----	----	452.75 - 0.75	27	----	202 + 5
NOV17	----	----	451.25 - 0.50	9	----	119 + 6
DEC17	----	----	449.75 - 0.50	20	----	130 UNCH
JAN18	----	----	450.25 - 0.50	----	----	133 UNCH
FEB18	----	----	451.25 - 0.25	----	----	64 UNCH
MAR18	----	----	451.75 - 0.25	----	----	41 UNCH
APR18	----	----	452.50 - 0.25	----	----	4 UNCH
MAY18	----	----	453.00 - 0.25	----	----	31 UNCH
JUN18	----	----	453.75 - 0.25	----	----	27 UNCH
TOTAL 7F FUT				126		1122 + 2

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
E-MINI CRUDE OIL FUTURES						
QM FUT						
SEP17	45.650	46.525 /45.400	46.340 + 0.570	9881	----	2741 - 114
OCT17	45.900	46.700 /45.600A	46.510 + 0.560	220	----	574 + 35
NOV17	46.100	46.800B/45.950A	46.720 + 0.530	36	----	107 + 5
DEC17	46.400	47.100 /46.075	46.950 + 0.500	12	----	579 + 1
JAN18	47.250	47.250 /47.250	47.170 + 0.480	1	----	253 UNCH
FEB18	----	47.200B	47.340 + 0.470	----	----	31 UNCH
MAR18	----	----	47.480 + 0.460	----	----	4 UNCH
APR18	----	----	47.590 + 0.450	----	----	29 UNCH
MAY18	----	----	47.690 + 0.450	----	----	59 UNCH
JUN18	47.275	47.800 /47.275	47.790 + 0.450	2	----	26 UNCH
JUL18	----	----	47.870 + 0.450	----	----	10 UNCH
DEC18	----	48.375B	48.340 + 0.440	----	----	88 UNCH
FEB19	----	----	48.490 + 0.450	----	----	1 UNCH
JUN19	----	----	48.850 + 0.450	----	----	1 UNCH
DEC19	----	----	49.460 + 0.460	----	----	14 UNCH
JUL20	----	----	50.120 + 0.480	----	----	1 UNCH
DEC20	----	----	50.770 + 0.490	----	----	3 UNCH
JUL21	----	----	51.520 + 0.500	----	----	1 UNCH
DEC21	----	----	52.190 + 0.500	----	----	3 UNCH
TOTAL QM FUT				10152		4525 - 73

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
E-MINI GASOLINE FUTURES						
QU FUT						
AUG17	----	----	1.5568 - 0.0065	----	----	1 UNCH
TOTAL QU FUT						1

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
E-MINI NATURAL GAS						
QG FUT						
AUG17	2.915	2.955 /2.880	2.899 - 0.071	411	----	792 - 60
SEP17	2.925	2.935 /2.865	2.882 - 0.079	277	----	591 + 60
OCT17	2.955	2.975 /2.905	2.917 - 0.081	47	----	182 + 28
NOV17	3.035	3.045B/2.990A	2.998 - 0.073	1	----	65 + 1
DEC17	----	3.145A	3.153 - 0.069	----	----	62 UNCH
JAN18	3.240	3.245B/3.240	3.246 - 0.070	1	----	20 - 1
FEB18	----	3.225A	3.230 - 0.073	----	----	16 UNCH
MAR18	----	3.175A	3.178 - 0.071	1	----	27 - 1
APR18	----	2.825A	2.823 - 0.056	1	----	22 - 1
MAY18	----	----	2.793 - 0.052	----	----	9 UNCH
JUN18	----	----	2.819 - 0.051	----	----	2 UNCH
SEP18	----	----	2.828 - 0.050	----	----	4 UNCH
OCT18	----	----	2.848 - 0.050	----	----	3 UNCH
DEC18	----	----	3.025 - 0.051	----	----	5 UNCH
JAN19	----	----	3.108 - 0.052	----	----	3 UNCH
MAY19	----	----	2.615 - 0.037	----	----	1 UNCH
TOTAL QG FUT				739		1804 + 26

CRUDE OIL FUTURES PRODUCTS

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
ARGUS LLS VS. WTI (ARG) TRD M						
E5 FUT						
AUG17	----	----	2.28 UNCH	----	----	3211 UNCH
SEP17	----	----	2.23 + 0.04	----	523	2055 - 72
OCT17	----	----	2.09 + 0.04	----	766	1693 + 136
NOV17	----	----	2.01 - 0.02	----	79	1311 + 79
DEC17	----	----	1.94 - 0.01	----	167	1392 + 120



FINAL

PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	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							
JAN18	----	----	1.85	UNCH	----	----	170	UNCH
FEB18	----	----	1.80	- 0.02	----	----	170	UNCH
MAR18	----	----	1.78	- 0.02	----	----	170	UNCH
APR18	----	----	1.75	- 0.05	----	----	80	UNCH
MAY18	----	----	1.75	- 0.05	----	----	80	UNCH
JUN18	----	----	1.73	- 0.05	----	----	80	UNCH
JUL18	----	----	1.65	- 0.01	----	----	105	UNCH
AUG18	----	----	1.65	- 0.01	----	----	105	UNCH
SEP18	----	----	1.65	- 0.01	----	----	105	UNCH
OCT18	----	----	1.60	UNCH	----	----	75	UNCH
NOV18	----	----	1.60	UNCH	----	----	75	UNCH
DEC18	----	----	1.60	UNCH	----	----	75	UNCH
TOTAL E5 FUT						1535	10952 +	263
J9 FUT	BRENT BALMO							
06JUL17	----	----	48.357	+ 0.178	----	----	140	UNCH
07JUL17	----	----	48.372	+ 0.189	----	----	50	UNCH
TOTAL J9 FUT							190	
CY FUT	BRENT CALENDAR							
JUL17	----	----	48.45	+ 0.15	----	----	1123	UNCH
AUG17	----	----	48.83	+ 0.51	----	111	954 -	31
SEP17	----	----	49.10	+ 0.49	----	111	1053 -	31
OCT17	----	----	49.36	+ 0.47	----	111	1218 -	56
NOV17	----	----	49.58	+ 0.44	----	111	1219 -	56
DEC17	----	----	49.83	+ 0.43	----	161	1517 -	156
JAN18	----	----	50.02	+ 0.42	----	----	378 -	1
FEB18	----	----	50.18	+ 0.42	----	----	384 -	1
MAR18	----	----	50.33	+ 0.43	----	----	389 -	1
APR18	----	----	50.46	+ 0.44	----	----	436 -	1
MAY18	----	----	50.61	+ 0.44	----	----	435 -	1
JUN18	----	----	50.74	+ 0.44	----	----	441 -	1
JUL18	----	----	50.85	+ 0.45	----	----	451 -	1
AUG18	----	----	50.95	+ 0.45	----	----	375 -	1
SEP18	----	----	51.07	+ 0.45	----	----	374 -	1
OCT18	----	----	51.18	+ 0.45	----	----	511 -	1
NOV18	----	----	51.30	+ 0.45	----	----	510 -	1
DEC18	----	----	51.44	+ 0.46	----	----	594 -	1
JAN19	----	----	51.58	+ 0.47	----	----	145	UNCH
FEB19	----	----	51.74	+ 0.48	----	----	144	UNCH
MAR19	----	----	51.84	+ 0.49	----	----	143	UNCH
APR19	----	----	51.94	+ 0.49	----	----	225	UNCH
MAY19	----	----	52.10	+ 0.50	----	----	224	UNCH
JUN19	----	----	52.23	+ 0.51	----	----	224	UNCH
JUL19	----	----	52.35	+ 0.51	----	----	141	UNCH
AUG19	----	----	52.47	+ 0.52	----	----	141	UNCH
SEP19	----	----	52.54	+ 0.53	----	----	140	UNCH
OCT19	----	----	52.60	+ 0.54	----	----	140	UNCH
NOV19	----	----	52.72	+ 0.54	----	----	139	UNCH
DEC19	----	----	52.85	+ 0.55	----	----	239	UNCH
JAN20	----	----	52.97	+ 0.55	----	79	164 +	49
FEB20	----	----	53.09	+ 0.55	----	79	163 +	49
MAR20	----	----	53.21	+ 0.57	----	79	163 +	49
APR20	----	----	53.32	+ 0.58	----	79	213 +	49
MAY20	----	----	53.42	+ 0.58	----	79	212 +	49
JUN20	----	----	53.52	+ 0.58	----	79	212 +	49
JUL20	----	----	53.62	+ 0.58	----	79	162 +	49
AUG20	----	----	53.73	+ 0.59	----	79	162 +	49
SEP20	----	----	53.82	+ 0.60	----	79	161 +	49
OCT20	----	----	53.92	+ 0.61	----	79	161 +	49
NOV20	----	----	54.01	+ 0.62	----	79	161 +	49
DEC20	----	----	54.11	+ 0.62	----	79	161 +	49
JAN21	----	----	54.20	+ 0.62	----	----	6	UNCH
FEB21	----	----	54.33	+ 0.63	----	----	6	UNCH
MAR21	----	----	54.46	+ 0.64	----	----	5	UNCH
APR21	----	----	54.59	+ 0.64	----	----	30	UNCH
MAY21	----	----	54.72	+ 0.65	----	----	30	UNCH
JUN21	----	----	54.85	+ 0.66	----	----	30	UNCH
JUL21	----	----	54.98	+ 0.66	----	----	5	UNCH
AUG21	----	----	55.10	+ 0.65	----	----	5	UNCH
SEP21	----	----	55.22	+ 0.65	----	----	5	UNCH
OCT21	----	----	55.34	+ 0.65	----	----	5	UNCH
NOV21	----	----	55.45	+ 0.65	----	----	4	UNCH
DEC21	----	----	55.56	+ 0.65	----	----	4	UNCH
JAN22	----	----	55.67	+ 0.65	----	----	4	UNCH
FEB22	----	----	55.78	+ 0.65	----	----	4	UNCH
MAR22	----	----	55.88	+ 0.65	----	----	4	UNCH
APR22	----	----	56.00	+ 0.65	----	----	4	UNCH
MAY22	----	----	56.11	+ 0.65	----	----	4	UNCH
JUN22	----	----	56.22	+ 0.65	----	----	4	UNCH
JUL22	----	----	56.33	+ 0.66	----	----	4	UNCH
AUG22	----	----	56.43	+ 0.66	----	----	4	UNCH
SEP22	----	----	56.55	+ 0.68	----	----	4	UNCH
OCT22	----	----	56.66	+ 0.68	----	----	4	UNCH
NOV22	----	----	56.76	+ 0.68	----	----	3	UNCH
DEC22	----	----	56.87	+ 0.68	----	----	3	UNCH
JAN23	----	----	56.96	+ 0.68	----	----	3	UNCH
FEB23	----	----	57.07	+ 0.68	----	----	3	UNCH
MAR23	----	----	57.16	+ 0.68	----	----	3	UNCH
APR23	----	----	57.27	+ 0.68	----	----	3	UNCH
MAY23	----	----	57.37	+ 0.68	----	----	3	UNCH
JUN23	----	----	57.47	+ 0.68	----	----	3	UNCH
JUL23	----	----	57.57	+ 0.68	----	----	3	UNCH
AUG23	----	----	57.67	+ 0.68	----	----	3	UNCH
SEP23	----	----	57.77	+ 0.68	----	----	3	UNCH
OCT23	----	----	57.87	+ 0.68	----	----	3	UNCH
TOTAL CY FUT						1553	16713 +	246
CC5 FUT	CANADIAN C5+ CONDENSATE INDEX FUT							
SEP17	----	----	0.100	+ 0.250	----	----	90	UNCH
OCT17	----	----	-0.350	UNCH	----	----	60	UNCH
NOV17	----	----	-0.350	UNCH	----	----	60	UNCH
DEC17	----	----	-0.350	UNCH	----	----	60	UNCH
TOTAL CC5 FUT							270	
WCC FUT	CANADIAN HEAVY CRUDE(NET ENRGY) FUT							
SEP17	----	----	-9.900	- 0.050	----	75	935	UNCH



FINAL

PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
WCC FUT	CANADIAN HEAVY CRUDE(NET ENRGY) FUT							
OCT17	----	----	-10.700	UNCH	----	120	680	UNCH
NOV17	----	----	-11.400	UNCH	----	120	680	UNCH
DEC17	----	----	-12.700	UNCH	----	120	680	UNCH
JAN18	----	----	-13.100	- 0.100	----	15	230	UNCH
FEB18	----	----	-13.300	- 0.100	----	15	230	UNCH
MAR18	----	----	-13.500	- 0.100	----	15	230	UNCH
APR18	----	----	-13.850	- 0.100	----	15	160 -	15
MAY18	----	----	-13.900	- 0.100	----	15	160 -	15
JUN18	----	----	-13.950	- 0.100	----	15	160 -	15
JUL18	----	----	-14.100	+ 0.100	----	15	160 -	15
AUG18	----	----	-14.150	+ 0.100	----	15	160 -	15
SEP18	----	----	-14.200	+ 0.100	----	15	160 -	15
OCT18	----	----	-15.400	+ 0.100	----	15	160 -	15
NOV18	----	----	-15.450	+ 0.100	----	15	160 -	15
DEC18	----	----	-15.500	+ 0.100	----	15	160 -	15
TOTAL WCC FUT						615	5105 -	135
CIL FUT	CANADIAN LIGHT SWEET OIL							
SEP17	----	----	-2.100	UNCH	----	----	720	UNCH
OCT17	----	----	-2.750	UNCH	----	----	705	UNCH
NOV17	----	----	-3.550	UNCH	----	----	705	UNCH
DEC17	----	----	-3.600	UNCH	----	----	705	UNCH
JAN18	----	----	-3.700	UNCH	----	----	7	UNCH
FEB18	----	----	-3.500	UNCH	----	----	7	UNCH
MAR18	----	----	-3.450	UNCH	----	----	7	UNCH
APR18	----	----	-3.250	UNCH	----	----	7	UNCH
MAY18	----	----	-3.150	UNCH	----	----	7	UNCH
JUN18	----	----	-3.050	UNCH	----	----	7	UNCH
JUL18	----	----	-2.650	UNCH	----	----	7	UNCH
AUG18	----	----	-2.750	UNCH	----	----	7	UNCH
SEP18	----	----	-3.000	UNCH	----	----	7	UNCH
OCT18	----	----	-3.900	UNCH	----	----	7	UNCH
NOV18	----	----	-4.150	UNCH	----	----	7	UNCH
DEC18	----	----	-4.300	UNCH	----	----	7	UNCH
TOTAL CIL FUT							2919	
CSW FUT	CLEARBROOK BAKKEN CRUDE OIL INDEX							
SEP17	----	----	0.650	UNCH	----	----	155	UNCH
OCT17	----	----	-0.450	UNCH	----	----	180	UNCH
NOV17	----	----	-0.500	UNCH	----	----	180	UNCH
DEC17	----	----	-0.550	UNCH	----	----	180	UNCH
JAN18	----	----	-0.700	UNCH	----	----	30	UNCH
FEB18	----	----	-0.500	UNCH	----	----	30	UNCH
MAR18	----	----	-0.450	UNCH	----	----	30	UNCH
TOTAL CSW FUT							785	
FE FUT	DATED FRONTLINE BRENT BALMO							
04JUL17	----	----	-0.503	+ 0.056	----	----	100	UNCH
07JUL17	----	----	-0.592	+ 0.066	----	----	30	UNCH
13JUL17	----	----	-0.618	+ 0.088	----	----	100	UNCH
TOTAL FE FUT							230	
FY FUT	DATED TO FRONTLINE BRENT CLNDR							
JUL17	----	----	-0.51	+ 0.06	----	----	310	UNCH
AUG17	----	----	-0.71	- 0.02	----	125	310	UNCH
SEP17	----	----	-0.81	- 0.02	----	125	310	UNCH
OCT17	----	----	-0.81	- 0.01	----	----	815	UNCH
NOV17	----	----	-0.78	- 0.02	----	----	1035	UNCH
DEC17	----	----	-0.74	- 0.02	----	----	1650	UNCH
JAN18	----	----	-0.68	- 0.01	----	----	815	UNCH
FEB18	----	----	-0.66	UNCH	----	----	815	UNCH
MAR18	----	----	-0.66	UNCH	----	----	815	UNCH
APR18	----	----	-0.60	UNCH	----	----	415	UNCH
MAY18	----	----	-0.60	UNCH	----	----	415	UNCH
JUN18	----	----	-0.60	UNCH	----	----	415	UNCH
JUL18	----	----	-0.55	- 0.01	----	----	25	UNCH
AUG18	----	----	-0.55	- 0.01	----	----	25	UNCH
SEP18	----	----	-0.55	- 0.01	----	----	25	UNCH
OCT18	----	----	-0.52	- 0.02	----	----	100	UNCH
NOV18	----	----	-0.52	- 0.02	----	----	100	UNCH
DEC18	----	----	-0.52	- 0.02	----	----	100	UNCH
JAN19	----	----	-0.45	UNCH	----	----	265	UNCH
FEB19	----	----	-0.45	UNCH	----	----	265	UNCH
MAR19	----	----	-0.45	UNCH	----	----	265	UNCH
APR19	----	----	-0.45	UNCH	----	----	265	UNCH
MAY19	----	----	-0.45	UNCH	----	----	265	UNCH
JUN19	----	----	-0.45	UNCH	----	----	265	UNCH
JUL19	----	----	-0.45	UNCH	----	----	50	UNCH
AUG19	----	----	-0.45	UNCH	----	----	50	UNCH
SEP19	----	----	-0.45	UNCH	----	----	50	UNCH
OCT19	----	----	-0.45	UNCH	----	----	50	UNCH
NOV19	----	----	-0.45	UNCH	----	----	50	UNCH
DEC19	----	----	-0.45	UNCH	----	----	50	UNCH
TOTAL FY FUT						250	10385	
DC FUT	DUBAI CRUDE OIL CALENDAR							
JUL17	----	----	47.112	+ 0.109	----	----	3960	UNCH
AUG17	----	----	47.479	+ 0.459	----	100	2720 +	100
SEP17	----	----	47.709	+ 0.469	----	100	1340 +	100
OCT17	----	----	47.929	+ 0.468	----	----	390	UNCH
NOV17	----	----	48.110	+ 0.439	----	----	90	UNCH
DEC17	----	----	48.310	+ 0.427	----	----	6690	UNCH
JAN18	----	----	48.480	+ 0.400	----	----	100	UNCH
TOTAL DC FUT						200	15290 +	200
UB FUT	EUROPE DATED BRENT							
AUG17	----	----	48.12	+ 0.49	----	----	375	UNCH
SEP17	----	----	48.29	+ 0.47	----	----	200	UNCH
OCT17	----	----	48.55	+ 0.46	----	----	75	UNCH
NOV17	----	----	48.80	+ 0.42	----	----	75	UNCH
DEC17	----	----	49.09	+ 0.41	----	----	75	UNCH
JAN18	----	----	49.34	+ 0.41	----	----	75	UNCH
FEB18	----	----	49.52	+ 0.42	----	----	75	UNCH
MAR18	----	----	49.67	+ 0.43	----	----	75	UNCH
APR18	----	----	49.86	+ 0.44	----	----	75	UNCH
MAY18	----	----	50.01	+ 0.44	----	----	75	UNCH
JUN18	----	----	50.14	+ 0.44	----	----	75	UNCH

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FINAL

PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
UB FUT	EUROPE DATED BRENT							
JUL18	----	----	50.30 + 0.44		----	----	75	UNCH
TOTAL UB FUT							1325	
MB FUT	GULF COAST SOUR CRUDE OIL FUTURES							
JAN18	----	----	45.79 + 0.56		----	----	1700	UNCH
TOTAL MB FUT							1700	
DB FUT	ICE BRENT DUBAI							
JUL17	----	----	1.341 + 0.044		----	----	1285	UNCH
AUG17	----	----	1.353 + 0.050		----	----	615	UNCH
SEP17	----	----	1.393 + 0.020		----	----	915	UNCH
OCT17	----	----	1.431 + 0.001		----	50	1091	UNCH
NOV17	----	----	1.471 + 0.001		----	50	1091	UNCH
DEC17	----	----	1.520 + 0.002		----	50	1291	UNCH
JAN18	----	----	1.537 + 0.020		----	----	3015	UNCH
FEB18	----	----	1.517 + 0.001		----	----	3015	UNCH
MAR18	----	----	1.516 + 0.011		----	----	3015	UNCH
APR18	----	----	1.527 + 0.021		----	----	3015	UNCH
MAY18	----	----	1.577 + 0.031		----	----	3015	UNCH
JUN18	----	----	1.605 + 0.030		----	----	3015	UNCH
JUL18	----	----	1.615 + 0.030		----	----	3015	UNCH
AUG18	----	----	1.615 + 0.030		----	----	3015	UNCH
SEP18	----	----	1.626 + 0.021		----	----	3015	UNCH
OCT18	----	----	1.635 + 0.010		----	----	3015	UNCH
NOV18	----	----	1.656 + 0.010		----	----	3015	UNCH
DEC18	----	----	1.686 UNCH		----	----	3015	UNCH
JAN19	----	----	1.737 UNCH		----	----	210	UNCH
FEB19	----	----	1.805 UNCH		----	----	210	UNCH
MAR19	----	----	1.824 - 0.009		----	----	210	UNCH
APR19	----	----	1.838 + 0.001		----	----	210	UNCH
MAY19	----	----	1.906 + 0.001		----	----	210	UNCH
JUN19	----	----	1.946 - 0.009		----	----	210	UNCH
JUL19	----	----	1.986 - 0.019		----	----	160	UNCH
AUG19	----	----	2.043 - 0.010		----	----	160	UNCH
SEP19	----	----	2.042 - 0.010		----	----	160	UNCH
OCT19	----	----	2.035 UNCH		----	----	160	UNCH
NOV19	----	----	2.086 + 0.020		----	----	160	UNCH
DEC19	----	----	2.145 + 0.020		----	----	160	UNCH
JAN20	----	----	2.145 + 0.020		----	----	110	UNCH
FEB20	----	----	2.146 + 0.020		----	----	110	UNCH
MAR20	----	----	2.146 + 0.020		----	----	110	UNCH
APR20	----	----	2.145 + 0.019		----	----	110	UNCH
MAY20	----	----	2.146 + 0.020		----	----	110	UNCH
JUN20	----	----	2.146 + 0.020		----	----	110	UNCH
JUL20	----	----	2.145 + 0.019		----	----	110	UNCH
AUG20	----	----	2.146 + 0.020		----	----	110	UNCH
SEP20	----	----	2.146 + 0.020		----	----	110	UNCH
OCT20	----	----	2.146 + 0.020		----	----	110	UNCH
NOV20	----	----	2.145 + 0.020		----	----	110	UNCH
DEC20	----	----	2.146 + 0.020		----	----	110	UNCH
TOTAL DB FUT						150	46008	
LSW FUT	LIGHT SWEET OIL NET ENERGY MONTHLY							
SEP17	----	----	-2.100 UNCH		----	----	30	UNCH
OCT17	----	----	-2.750 UNCH		----	----	30	UNCH
NOV17	----	----	-3.550 UNCH		----	----	30	UNCH
DEC17	----	----	-3.600 UNCH		----	----	30	UNCH
TOTAL LSW FUT							120	
WJ FUT	LLS (ARGUS) VS WTI							
JUL17	----	----	2.32 + 0.02		----	----	2622	UNCH
AUG17	----	----	2.21 + 0.04		----	198	2495 - 42	
SEP17	----	----	2.07 + 0.02		----	191	2488 - 49	
OCT17	----	----	2.00 - 0.02		----	198	2365 - 12	
NOV17	----	----	1.92 - 0.01		----	191	2358 - 19	
DEC17	----	----	1.84 UNCH		----	30	2457 + 30	
JAN18	----	----	1.80 - 0.02		----	----	380	UNCH
FEB18	----	----	1.78 - 0.02		----	----	380	UNCH
MAR18	----	----	1.75 - 0.05		----	----	380	UNCH
APR18	----	----	1.75 - 0.05		----	----	380	UNCH
MAY18	----	----	1.72 - 0.04		----	----	380	UNCH
JUN18	----	----	1.65 - 0.01		----	----	380	UNCH
JUL18	----	----	1.65 - 0.01		----	----	380	UNCH
AUG18	----	----	1.64 - 0.01		----	----	380	UNCH
SEP18	----	----	1.60 UNCH		----	----	380	UNCH
OCT18	----	----	1.60 UNCH		----	----	380	UNCH
NOV18	----	----	1.60 UNCH		----	----	380	UNCH
DEC18	----	----	1.58 UNCH		----	----	380	UNCH
JAN19	----	----	1.58 UNCH		----	----	15	UNCH
FEB19	----	----	1.58 UNCH		----	----	15	UNCH
MAR19	----	----	1.58 UNCH		----	----	15	UNCH
APR19	----	----	1.58 UNCH		----	----	15	UNCH
MAY19	----	----	1.58 UNCH		----	----	15	UNCH
JUN19	----	----	1.58 UNCH		----	----	15	UNCH
JUL19	----	----	1.58 UNCH		----	----	15	UNCH
AUG19	----	----	1.58 UNCH		----	----	15	UNCH
SEP19	----	----	1.58 UNCH		----	----	15	UNCH
OCT19	----	----	1.58 UNCH		----	----	15	UNCH
NOV19	----	----	1.58 UNCH		----	----	15	UNCH
DEC19	----	----	1.58 UNCH		----	----	15	UNCH
TOTAL WJ FUT						808	19525 - 92	
LPS FUT	LOOP CRUDE OIL STORAGE FUTURES							
AUG17	----	----	0.190 UNCH		----	----	0 - 3000	
SEP17	----	----	0.150 UNCH		----	----	3000	UNCH
OCT17	----	----	0.210 UNCH		----	----	3045	UNCH
NOV17	----	----	0.220 UNCH		----	----	3045	UNCH
DEC17	----	----	0.240 UNCH		----	----	3045	UNCH
JAN18	----	----	0.190 UNCH		----	----	1800	UNCH
FEB18	----	----	0.190 UNCH		----	----	1800	UNCH
MAR18	----	----	0.190 UNCH		----	----	1800	UNCH
APR18	----	----	0.190 UNCH		----	----	300	UNCH
MAY18	----	----	0.190 UNCH		----	----	300	UNCH
JUN18	----	----	0.190 UNCH		----	----	300	UNCH
TOTAL LPS FUT							18435 - 3000	
YX FUT	MARS (ARGUS) VS WTI							

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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	
YX FUT MARS (ARGUS) VS WTI								
JUL17	----	----	-0.83 + 0.01		----	----	1229	UNCH
AUG17	----	----	-0.70 + 0.07		----	----	1956	UNCH
SEP17	----	----	-0.71 + 0.14		----	----	939	UNCH
OCT17	----	----	-0.77 + 0.12		----	----	916	UNCH
NOV17	----	----	-0.84 + 0.12		----	----	916	UNCH
DEC17	----	----	-0.94 + 0.08		----	----	881	UNCH
JAN18	----	----	-1.00 + 0.13		----	----	70	UNCH
FEB18	----	----	-1.05 + 0.14		----	----	70	UNCH
MAR18	----	----	-1.09 + 0.14		----	----	70	UNCH
APR18	----	----	-1.14 + 0.14		----	----	70	UNCH
MAY18	----	----	-1.19 + 0.14		----	----	70	UNCH
JUN18	----	----	-1.26 + 0.16		----	----	70	UNCH
JUL18	----	----	-1.28 + 0.14		----	----	70	UNCH
AUG18	----	----	-1.32 + 0.11		----	----	70	UNCH
SEP18	----	----	-1.37 + 0.10		----	----	70	UNCH
OCT18	----	----	-1.40 + 0.07		----	----	70	UNCH
NOV18	----	----	-1.43 + 0.04		----	----	70	UNCH
DEC18	----	----	-1.45	UNCH	----	----	70	UNCH
TOTAL YX FUT							7677	
YV FUT MARS (ARGUS) VS WTI TRD MTH								
AUG17	----	----	-0.92	UNCH	----	----	5269	UNCH
SEP17	----	----	-0.70 + 0.05		----	395	5467 +	125
OCT17	----	----	-0.70 + 0.14		----	450	2620 -	265
NOV17	----	----	-0.76 + 0.12		----	150	2466	UNCH
DEC17	----	----	-0.82 + 0.13		----	550	3006 +	400
JAN18	----	----	-0.93 + 0.07		----	----	175	UNCH
FEB18	----	----	-0.99 + 0.12		----	----	250	UNCH
MAR18	----	----	-1.04 + 0.15		----	----	250	UNCH
APR18	----	----	-1.08 + 0.14		----	----	180	UNCH
MAY18	----	----	-1.13 + 0.14		----	----	180	UNCH
JUN18	----	----	-1.18 + 0.14		----	----	180	UNCH
JUL18	----	----	-1.25 + 0.17		----	----	170	UNCH
AUG18	----	----	-1.28 + 0.14		----	----	170	UNCH
SEP18	----	----	-1.30 + 0.12		----	----	170	UNCH
OCT18	----	----	-1.37 + 0.10		----	----	170	UNCH
NOV18	----	----	-1.39 + 0.08		----	----	170	UNCH
DEC18	----	----	-1.42 + 0.05		----	----	170	UNCH
TOTAL YV FUT						1545	21063 +	260
MDB FUT MINI DATED BRENT (PLATTS) FINANCIAL								
JUL17	----	----	47.94 + 0.21		----	----	20	UNCH
AUG17	----	----	48.12 + 0.49		----	----	0	UNCH
SEP17	----	----	48.29 + 0.47		----	----	0	UNCH
TOTAL MDB FUT							20	
BB FUT NYMEX BRENT FINANCIAL FUTURES								
SEP17	----	----	48.60 + 0.54		----	----	700	UNCH
DEC17	----	----	49.35 + 0.47		----	35	3005 -	35
NOV18	----	----	51.06 + 0.45		----	----	30	UNCH
DEC18	----	----	51.17 + 0.45		----	----	3134	UNCH
DEC19	----	----	52.59 + 0.53		----	100	158 -	100
TOTAL BB FUT						135	7027 -	135
SSW FUT SYNTHETIC SWEET OIL MONTHLY FUT								
SEP17	----	----	1.600 - 0.200		----	----	135	UNCH
OCT17	----	----	0.400 - 0.050		----	----	135	UNCH
TOTAL SSW FUT							270	
CS FUT WEST TEXAS INTER CRUDE OIL CAL								
JUL17	----	----	45.98 + 0.17		----	12	10229	UNCH
AUG17	----	----	46.39 + 0.57		----	276	8576 -	99
SEP17	----	----	46.58 + 0.55		----	242	7555 +	65
OCT17	----	----	46.79 + 0.52		----	112	7178 -	2
NOV17	----	----	47.02 + 0.49		----	121	7096 -	2
DEC17	----	----	47.23 + 0.48		----	449	7695 +	124
JAN18	----	----	47.39 + 0.47		----	93	3788 -	88
FEB18	----	----	47.51 + 0.45		----	93	3813 -	88
MAR18	----	----	47.62 + 0.45		----	93	3870 -	88
APR18	----	----	47.72 + 0.45		----	93	3768 -	93
MAY18	----	----	47.81 + 0.45		----	93	3691 -	93
JUN18	----	----	47.90 + 0.45		----	93	3754 -	93
JUL18	----	----	47.98 + 0.45		----	91	3665	UNCH
AUG18	----	----	48.07 + 0.45		----	91	3658	UNCH
SEP18	----	----	48.16 + 0.45		----	91	3654	UNCH
OCT18	----	----	48.26 + 0.44		----	91	3840	UNCH
NOV18	----	----	48.37 + 0.44		----	91	3837	UNCH
DEC18	----	----	48.44 + 0.45		----	141	3833	UNCH
JAN19	----	----	48.52 + 0.45		----	72	1448 +	1
FEB19	----	----	48.60 + 0.45		----	72	1441 +	1
MAR19	----	----	48.69 + 0.45		----	72	1443 +	1
APR19	----	----	48.78 + 0.45		----	72	1542 +	1
MAY19	----	----	48.87 + 0.45		----	72	1540 +	1
JUN19	----	----	48.94 + 0.46		----	72	1539 +	1
JUL19	----	----	49.03 + 0.46		----	72	1354 +	1
AUG19	----	----	49.14 + 0.46		----	72	1353 +	1
SEP19	----	----	49.25 + 0.46		----	72	1353 +	1
OCT19	----	----	49.37 + 0.46		----	72	1351 +	1
NOV19	----	----	49.48 + 0.46		----	72	1350 +	1
DEC19	----	----	49.57 + 0.47		----	72	1349 +	1
JAN20	----	----	49.65 + 0.47		----	22	488 -	20
FEB20	----	----	49.74 + 0.48		----	22	487 -	20
MAR20	----	----	49.85 + 0.48		----	22	487 -	20
APR20	----	----	49.96 + 0.48		----	22	487 -	20
MAY20	----	----	50.07 + 0.48		----	22	487 -	20
JUN20	----	----	50.14 + 0.48		----	22	488 -	20
JUL20	----	----	50.25 + 0.48		----	22	491 -	20
AUG20	----	----	50.35 + 0.48		----	22	490 -	20
SEP20	----	----	50.48 + 0.49		----	22	490 -	20
OCT20	----	----	50.66 + 0.49		----	22	490 -	20
NOV20	----	----	50.79 + 0.49		----	22	490 -	20
DEC20	----	----	50.88 + 0.49		----	22	591 -	20
JAN21	----	----	50.99 + 0.49		----	15	52 +	15
FEB21	----	----	51.08 + 0.49		----	15	52 +	15
MAR21	----	----	51.21 + 0.49		----	15	51 +	15
APR21	----	----	51.36 + 0.50		----	15	51 +	15
MAY21	----	----	51.47 + 0.50		----	15	51 +	15

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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							
JUN21	----	----	51.54 + 0.50		----	15	50 +	15
JUL21	----	----	51.65 + 0.50		----	----	32	UNCH
AUG21	----	----	51.76 + 0.50		----	----	32	UNCH
SEP21	----	----	51.90 + 0.50		----	----	32	UNCH
OCT21	----	----	52.07 + 0.50		----	----	32	UNCH
NOV21	----	----	52.21 + 0.50		----	----	31	UNCH
DEC21	----	----	52.28 + 0.50		----	----	31	UNCH
JAN22	----	----	52.36 + 0.50		----	----	21	UNCH
FEB22	----	----	52.44 + 0.50		----	----	21	UNCH
MAR22	----	----	52.57 + 0.50		----	----	21	UNCH
APR22	----	----	52.71 + 0.50		----	----	21	UNCH
MAY22	----	----	52.82 + 0.50		----	----	20	UNCH
JUN22	----	----	52.89 + 0.50		----	----	20	UNCH
JUL22	----	----	52.98 + 0.50		----	----	20	UNCH
AUG22	----	----	53.08 + 0.50		----	----	20	UNCH
SEP22	----	----	53.23 + 0.50		----	----	20	UNCH
OCT22	----	----	53.38 + 0.50		----	----	20	UNCH
NOV22	----	----	53.49 + 0.50		----	----	20	UNCH
DEC22	----	----	53.49 + 0.50		----	----	20	UNCH
JAN23	----	----	53.49 + 0.50		----	----	8	UNCH
FEB23	----	----	53.49 + 0.50		----	----	8	UNCH
MAR23	----	----	53.49 + 0.50		----	----	8	UNCH
APR23	----	----	53.59 + 0.50		----	----	8	UNCH
MAY23	----	----	53.98 + 0.50		----	----	8	UNCH
JUN23	----	----	53.98 + 0.50		----	----	8	UNCH
JUL23	----	----	53.98 + 0.50		----	----	8	UNCH
AUG23	----	----	53.98 + 0.50		----	----	8	UNCH
SEP23	----	----	53.98 + 0.50		----	----	8	UNCH
OCT23	----	----	54.12 + 0.50		----	----	8	UNCH
TOTAL CS FUT						3584	117350 -	595
WCW FUT	WESTERN CANADIAN SELECT OIL MONTHLY							
SEP17	----	----	-9.900 - 0.050		----	----	890	UNCH
OCT17	----	----	-10.700 UNCH		----	----	1120	UNCH
NOV17	----	----	-11.400 UNCH		----	----	1135	UNCH
DEC17	----	----	-12.700 UNCH		----	----	1120	UNCH
JAN18	----	----	-13.100 - 0.100		----	15	920 -	15
FEB18	----	----	-13.300 - 0.100		----	15	920 -	15
MAR18	----	----	-13.500 - 0.100		----	15	920 -	15
APR18	----	----	-13.850 - 0.100		----	15	465	UNCH
MAY18	----	----	-13.900 - 0.100		----	15	465	UNCH
JUN18	----	----	-13.950 - 0.100		----	15	465	UNCH
JUL18	----	----	-14.100 + 0.100		----	15	365 -	15
AUG18	----	----	-14.150 + 0.100		----	15	365 -	15
SEP18	----	----	-14.200 + 0.100		----	15	395 -	15
OCT18	----	----	-15.400 + 0.100		----	15	395 -	15
NOV18	----	----	-15.450 + 0.100		----	15	395 -	15
DEC18	----	----	-15.500 + 0.100		----	15	395 -	15
TOTAL WCW FUT						180	10730 -	135
42 FUT	WTI BALMO							
06JUL17	----	----	45.97 + 0.19		----	----	30	UNCH
13JUL17	----	----	46.37 + 0.27		----	----	28	UNCH
14JUL17	----	----	46.39 + 0.28		----	----	28	UNCH
TOTAL 42 FUT								86
WS FUT	WTI FINANCIAL FUTURES							
SEP17	----	----	46.34 + 0.57		----	----	1117	UNCH
OCT17	----	----	46.51 + 0.56		----	----	2653	UNCH
NOV17	----	----	46.72 + 0.53		----	----	2653	UNCH
DEC17	----	----	46.95 + 0.50		----	----	1	UNCH
DEC18	----	----	48.34 + 0.44		----	----	286	UNCH
DEC19	----	----	49.46 + 0.46		----	----	250	UNCH
DEC20	----	----	50.77 + 0.49		----	----	36	UNCH
TOTAL WS FUT								6996
HTT FUT	WTI HOUSTON ARGUS V. WTI TRADE MONTH							
AUG17	----	----	1.70 UNCH		----	----	1890	UNCH
SEP17	----	----	1.55 - 0.01		----	----	1950	UNCH
OCT17	----	----	1.50 UNCH		----	----	1970	UNCH
NOV17	----	----	1.45 UNCH		----	----	1870	UNCH
DEC17	----	----	1.40 UNCH		----	----	1920	UNCH
JAN18	----	----	1.35 UNCH		----	----	1765	UNCH
FEB18	----	----	1.35 UNCH		----	----	1765	UNCH
MAR18	----	----	1.35 UNCH		----	----	1765	UNCH
APR18	----	----	1.35 UNCH		----	----	1715	UNCH
MAY18	----	----	1.35 UNCH		----	----	1715	UNCH
JUN18	----	----	1.35 UNCH		----	----	1715	UNCH
JUL18	----	----	1.25 UNCH		----	----	1735	UNCH
AUG18	----	----	1.29 + 0.01		----	----	1735	UNCH
SEP18	----	----	1.29 + 0.01		----	----	1735	UNCH
OCT18	----	----	1.29 + 0.01		----	----	1735	UNCH
NOV18	----	----	1.29 + 0.01		----	----	1735	UNCH
DEC18	----	----	1.33 + 0.01		----	----	1735	UNCH
JAN19	----	----	1.37 + 0.02		----	----	190	UNCH
FEB19	----	----	1.37 + 0.02		----	----	190	UNCH
MAR19	----	----	1.37 + 0.02		----	----	190	UNCH
APR19	----	----	1.37 + 0.02		----	----	190	UNCH
MAY19	----	----	1.37 + 0.02		----	----	190	UNCH
JUN19	----	----	1.37 + 0.02		----	----	190	UNCH
JUL19	----	----	1.37 + 0.02		----	----	180	UNCH
AUG19	----	----	1.37 + 0.02		----	----	180	UNCH
SEP19	----	----	1.37 + 0.02		----	----	180	UNCH
OCT19	----	----	1.37 + 0.02		----	----	180	UNCH
NOV19	----	----	1.37 + 0.02		----	----	180	UNCH
DEC19	----	----	1.37 + 0.02		----	----	180	UNCH
TOTAL HTT FUT								32670
WTT FUT	WTI MIDLAND (ARG) VS. WTI TRADE MTH							
AUG17	----	----	-1.07 + 0.01		----	----	3245	UNCH
SEP17	----	----	-1.12 + 0.07		----	----	3270	UNCH
OCT17	----	----	-1.45 + 0.04		----	----	2905	UNCH
NOV17	----	----	-1.35 + 0.02		----	----	2755	UNCH
DEC17	----	----	-1.29 + 0.01		----	----	3005	UNCH
JAN18	----	----	-1.15 + 0.03		----	----	1271	UNCH
FEB18	----	----	-1.10 + 0.03		----	----	1271	UNCH
MAR18	----	----	-1.05 + 0.03		----	----	1271	UNCH



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WTT FUT	WTI MIDLAND (ARG) VS. WTI TRADE MTH							
APR18	----	----	-1.05	UNCH	----	----	1150	UNCH
MAY18	----	----	-1.03	UNCH	----	----	1150	UNCH
JUN18	----	----	-1.00	UNCH	----	----	1150	UNCH
JUL18	----	----	-1.00	+	0.05	----	1180	UNCH
AUG18	----	----	-1.00	+	0.05	----	1180	UNCH
SEP18	----	----	-1.00	+	0.05	----	1180	UNCH
OCT18	----	----	-1.03	+	0.02	----	1180	UNCH
NOV18	----	----	-1.03	+	0.02	----	1180	UNCH
DEC18	----	----	-1.03	+	0.02	----	1180	UNCH
JAN19	----	----	-1.08	UNCH	----	----	10	UNCH
FEB19	----	----	-1.08	UNCH	----	----	10	UNCH
MAR19	----	----	-1.08	UNCH	----	----	10	UNCH
APR19	----	----	-1.08	UNCH	----	----	10	UNCH
MAY19	----	----	-1.08	UNCH	----	----	10	UNCH
JUN19	----	----	-1.08	UNCH	----	----	10	UNCH
TOTAL	WTT FUT						29583	
FF FUT	WTI MIDLAND(ARGUS) VS WTI FINCL FUT							
JUL17	----	----	-1.13	+	0.03	----	1828	UNCH
AUG17	----	----	-1.18	+	0.06	----	180	UNCH
SEP17	----	----	-1.43	+	0.04	----	180	UNCH
OCT17	----	----	-1.34	+	0.02	----	180	UNCH
NOV17	----	----	-1.26	+	0.02	----	180	UNCH
DEC17	----	----	-1.14	+	0.03	----	180	UNCH
JAN18	----	----	-1.09	+	0.03	----	2787	UNCH
FEB18	----	----	-1.05	+	0.03	----	2787	UNCH
MAR18	----	----	-1.05	UNCH	----	----	2787	UNCH
APR18	----	----	-1.03	UNCH	----	----	2469	UNCH
MAY18	----	----	-1.00	+	0.01	----	2469	UNCH
JUN18	----	----	-1.00	+	0.05	----	2469	UNCH
JUL18	----	----	-1.00	+	0.05	----	2437	UNCH
AUG18	----	----	-1.01	+	0.04	----	2437	UNCH
SEP18	----	----	-1.03	+	0.02	----	2437	UNCH
OCT18	----	----	-1.03	+	0.02	----	2437	UNCH
NOV18	----	----	-1.04	+	0.02	----	2437	UNCH
DEC18	----	----	-1.08	UNCH	----	----	2437	UNCH
JAN19	----	----	-1.08	UNCH	----	----	405	UNCH
FEB19	----	----	-1.08	UNCH	----	----	405	UNCH
MAR19	----	----	-1.08	UNCH	----	----	405	UNCH
APR19	----	----	-1.08	UNCH	----	----	395	UNCH
MAY19	----	----	-1.08	UNCH	----	----	395	UNCH
JUN19	----	----	-1.08	UNCH	----	----	395	UNCH
JUL19	----	----	-1.08	UNCH	----	----	395	UNCH
AUG19	----	----	-1.08	UNCH	----	----	395	UNCH
SEP19	----	----	-1.08	UNCH	----	----	395	UNCH
OCT19	----	----	-1.08	UNCH	----	----	395	UNCH
NOV19	----	----	-1.08	UNCH	----	----	395	UNCH
DEC19	----	----	-1.08	UNCH	----	----	395	UNCH
TOTAL	FF FUT					900	48183	
BY FUT	WTI-BRENT BULLET							
DEC17	----	----	-2.40	+	0.03	----	500	UNCH
DEC18	----	----	-2.83	-	0.01	----	200	UNCH
JAN20	----	----	-3.17	-	0.07	----	17	UNCH
FEB20	----	----	-3.22	-	0.08	----	17	UNCH
MAR20	----	----	-3.25	-	0.07	----	17	UNCH
APR20	----	----	-3.27	-	0.07	----	17	UNCH
MAY20	----	----	-3.28	-	0.08	----	17	UNCH
JUN20	----	----	-3.26	-	0.09	----	17	UNCH
JUL20	----	----	-3.30	-	0.10	----	17	UNCH
AUG20	----	----	-3.31	-	0.10	----	17	UNCH
SEP20	----	----	-3.31	-	0.10	----	17	UNCH
OCT20	----	----	-3.28	-	0.10	----	17	UNCH
NOV20	----	----	-3.23	-	0.11	----	17	UNCH
DEC20	----	----	-3.15	-	0.12	----	17	UNCH
TOTAL	BY FUT						904	
BK FUT	WTI-BRENT CALENDAR							
JUL17	----	----	-2.47	+	0.02	----	2526	UNCH
AUG17	----	----	-2.44	+	0.06	----	205	3043 - 63
SEP17	----	----	-2.52	+	0.06	----	205	2238 - 63
OCT17	----	----	-2.57	+	0.05	----	205	2245 - 63
NOV17	----	----	-2.56	+	0.05	----	205	2200 - 63
DEC17	----	----	-2.60	+	0.05	----	205	2870 - 63
JAN18	----	----	-2.63	+	0.05	----	275	1240 + 20
FEB18	----	----	-2.67	+	0.03	----	275	1240 + 20
MAR18	----	----	-2.71	+	0.02	----	275	1240 + 20
APR18	----	----	-2.74	+	0.01	----	275	1210 - 20
MAY18	----	----	-2.80	+	0.01	----	275	1210 - 20
JUN18	----	----	-2.84	+	0.01	----	275	1210 - 20
JUL18	----	----	-2.87	UNCH	----	----	275	1260 - 20
AUG18	----	----	-2.88	UNCH	----	----	275	1260 - 20
SEP18	----	----	-2.91	UNCH	----	----	275	1260 - 20
OCT18	----	----	-2.92	-	0.01	----	375	1250 + 105
NOV18	----	----	-2.93	-	0.01	----	375	1250 + 105
DEC18	----	----	-3.00	-	0.01	----	375	1679 + 105
JAN19	----	----	-3.06	-	0.02	----	5	355 UNCH
FEB19	----	----	-3.14	-	0.03	----	5	355 UNCH
MAR19	----	----	-3.15	-	0.04	----	5	355 UNCH
APR19	----	----	-3.16	-	0.04	----	5	355 UNCH
MAY19	----	----	-3.23	-	0.05	----	5	355 UNCH
JUN19	----	----	-3.29	-	0.05	----	5	355 UNCH
JUL19	----	----	-3.32	-	0.05	----	5	355 UNCH
AUG19	----	----	-3.33	-	0.06	----	5	355 UNCH
SEP19	----	----	-3.29	-	0.07	----	5	355 UNCH
OCT19	----	----	-3.23	-	0.08	----	5	355 UNCH
NOV19	----	----	-3.24	-	0.08	----	5	355 UNCH
DEC19	----	----	-3.28	-	0.08	----	5	355 UNCH
JAN20	----	----	-3.32	-	0.08	----	90	90 UNCH
FEB20	----	----	-3.35	-	0.07	----	90	90 UNCH
MAR20	----	----	-3.36	-	0.09	----	90	90 UNCH
APR20	----	----	-3.36	-	0.10	----	90	90 UNCH
MAY20	----	----	-3.35	-	0.10	----	90	90 UNCH
JUN20	----	----	-3.38	-	0.10	----	90	90 UNCH
JUL20	----	----	-3.37	-	0.10	----	90	90 UNCH
AUG20	----	----	-3.38	-	0.11	----	90	90 UNCH
SEP20	----	----	-3.34	-	0.11	----	90	90 UNCH

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ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
BK FUT	WTI-BRENT CALENDAR							
OCT20	----	----	-3.26 - 0.12		----	----	90	UNCH
NOV20	----	----	-3.22 - 0.13		----	----	90	UNCH
DEC20	----	----	-3.23 - 0.13		----	----	90	UNCH
JAN21	----	----	-3.21 - 0.13		----	----	15	UNCH
FEB21	----	----	-3.25 - 0.14		----	----	15	UNCH
MAR21	----	----	-3.25 - 0.15		----	----	15	UNCH
APR21	----	----	-3.23 - 0.14		----	----	15	UNCH
MAY21	----	----	-3.25 - 0.15		----	----	15	UNCH
JUN21	----	----	-3.31 - 0.16		----	----	15	UNCH
JUL21	----	----	-3.33 - 0.16		----	----	15	UNCH
AUG21	----	----	-3.34 - 0.15		----	----	15	UNCH
SEP21	----	----	-3.32 - 0.15		----	----	15	UNCH
OCT21	----	----	-3.27 - 0.15		----	----	15	UNCH
NOV21	----	----	-3.24 - 0.15		----	----	15	UNCH
DEC21	----	----	-3.28 - 0.15		----	----	15	UNCH
TOTAL BK FUT						4685	35951 -	60
FH FUT	WTS (ARGUS) VS WTI TRD MTH							
AUG17	----	----	-1.17 UNCH		----	----	220	UNCH
SEP17	----	----	-1.13 UNCH		----	----	175	UNCH
OCT17	----	----	-1.40 UNCH		----	2	177 +	2
NOV17	----	----	-1.43 UNCH		----	----	175	UNCH
DEC17	----	----	-1.45 UNCH		----	2	177 +	2
JAN18	----	----	-1.45 UNCH		----	----	30	UNCH
FEB18	----	----	-1.43 UNCH		----	----	30	UNCH
MAR18	----	----	-1.40 UNCH		----	----	30	UNCH
APR18	----	----	-1.40 UNCH		----	----	30	UNCH
MAY18	----	----	-1.40 UNCH		----	----	30	UNCH
JUN18	----	----	-1.40 UNCH		----	----	30	UNCH
JUL18	----	----	-1.53 UNCH		----	----	30	UNCH
AUG18	----	----	-1.53 UNCH		----	----	30	UNCH
SEP18	----	----	-1.53 UNCH		----	----	30	UNCH
OCT18	----	----	-1.53 UNCH		----	----	30	UNCH
NOV18	----	----	-1.53 UNCH		----	----	30	UNCH
DEC18	----	----	-1.53 UNCH		----	----	30	UNCH
TOTAL FH FUT						4	1284 +	4

NATURAL GAS FUTURES PRODUCTS

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
N7 FUT	ALGON CITY GATES NAT GAS INDEX							
JUL17	----	----	-0.1060 - 0.0650		----	----	248	UNCH
AUG17	----	----	0.0000 UNCH		----	----	248	UNCH
SEP17	----	----	0.0000 UNCH		----	----	240	UNCH
OCT17	----	----	0.0000 UNCH		----	----	248	UNCH
TOTAL N7 FUT							984	
B4 FUT	ALGONQUIN CITYGATES BASIS							
AUG17	----	----	-0.4530 - 0.0380		----	----	186	UNCH
SEP17	----	----	-0.7030 - 0.0700		----	----	180	UNCH
OCT17	----	----	-0.6670 - 0.0670		----	----	186	UNCH
NOV17	----	----	0.3740 - 0.1100		----	----	240	UNCH
DEC17	----	----	3.0350 - 0.0730		----	----	186	UNCH
JAN18	----	----	5.3670 - 0.0910		----	----	31	UNCH
FEB18	----	----	5.3740 - 0.0920		----	----	28	UNCH
MAR18	----	----	2.0500 - 0.0420		----	----	31	UNCH
TOTAL B4 FUT							1068	
NE FUT	ANR OKLAHOMA							
AUG17	----	----	-0.3520 + 0.0110		----	----	217	UNCH
SEP17	----	----	-0.3720 + 0.0080		----	----	210	UNCH
OCT17	----	----	-0.3870 + 0.0110		----	----	217	UNCH
NOV17	----	----	-0.3460 + 0.0060		----	----	30	UNCH
DEC17	----	----	-0.3240 + 0.0060		----	----	31	UNCH
JAN18	----	----	-0.2160 + 0.0060		----	----	93	UNCH
FEB18	----	----	-0.2240 + 0.0060		----	----	84	UNCH
MAR18	----	----	-0.2880 + 0.0070		----	----	93	UNCH
APR18	----	----	-0.4300 UNCH		----	----	150	UNCH
MAY18	----	----	-0.4380 - 0.0010		----	----	155	UNCH
JUN18	----	----	-0.4600 UNCH		----	----	150	UNCH
JUL18	----	----	-0.4180 - 0.0010		----	----	155	UNCH
AUG18	----	----	-0.4220 UNCH		----	----	155	UNCH
SEP18	----	----	-0.4320 UNCH		----	----	150	UNCH
OCT18	----	----	-0.4350 UNCH		----	----	155	UNCH
NOV18	----	----	-0.3830 - 0.0260		----	----	90	UNCH
DEC18	----	----	-0.3680 - 0.0260		----	----	93	UNCH
JAN19	----	----	-0.2650 - 0.0250		----	----	62	UNCH
FEB19	----	----	-0.2680 - 0.0260		----	----	56	UNCH
MAR19	----	----	-0.2880 - 0.0260		----	----	62	UNCH
TOTAL NE FUT							2408	
PW FUT	CENTERPOINT BASIS							
AUG17	----	----	-0.1750 + 0.0070		----	----	780	UNCH
SEP17	----	----	-0.1920 + 0.0030		----	----	755	UNCH
OCT17	----	----	-0.2040 - 0.0010		----	----	780	UNCH
NOV17	----	----	-0.2250 + 0.0040		----	----	724	UNCH
DEC17	----	----	-0.1840 + 0.0050		----	----	748	UNCH
JAN18	----	----	-0.1930 + 0.0040		----	----	717	UNCH
FEB18	----	----	-0.1830 + 0.0040		----	----	648	UNCH
MAR18	----	----	-0.1910 + 0.0040		----	----	717	UNCH
APR18	----	----	-0.1120 + 0.0050		----	----	544	UNCH
MAY18	----	----	-0.2370 + 0.0050		----	----	562	UNCH
JUN18	----	----	-0.2120 + 0.0050		----	----	544	UNCH
JUL18	----	----	-0.1890 + 0.0050		----	----	562	UNCH
AUG18	----	----	-0.1840 + 0.0050		----	----	562	UNCH
SEP18	----	----	-0.2190 + 0.0050		----	----	684	UNCH
OCT18	----	----	-0.2590 + 0.0050		----	----	702	UNCH
NOV18	----	----	-0.2200 + 0.0050		----	----	534	UNCH
DEC18	----	----	-0.1660 + 0.0060		----	----	543	UNCH

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ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
PW FUT CENTERPOINT BASIS									
JAN19	----	----	-0.2090	+ 0.0050	----	----	450		UNCH
FEB19	----	----	-0.2050	+ 0.0050	----	----	420		UNCH
MAR19	----	----	-0.2060	+ 0.0060	----	----	450		UNCH
APR19	----	----	-0.1140	+ 0.0010	----	----	110		UNCH
MAY19	----	----	-0.2370	+ 0.0010	----	----	109		UNCH
JUN19	----	----	-0.2100	+ 0.0010	----	----	110		UNCH
JUL19	----	----	-0.1880	+ 0.0010	----	----	109		UNCH
AUG19	----	----	-0.1760	+ 0.0010	----	----	109		UNCH
SEP19	----	----	-0.2080	+ 0.0020	----	----	110		UNCH
OCT19	----	----	-0.2610	+ 0.0010	----	----	109		UNCH
NOV19	----	----	-0.2430	+ 0.0010	----	----	140		UNCH
TOTAL PW FUT							13332		
CI FUT CIG BASIS									
AUG17	----	----	-0.3790	+ 0.0110	----	108	2148	-	108
SEP17	----	----	-0.3880	+ 0.0080	----	108	2078	-	108
OCT17	----	----	-0.4110	+ 0.0130	----	108	2148	-	108
NOV17	----	----	-0.3840	+ 0.0120	----	108	1588	-	50
DEC17	----	----	-0.2870	+ 0.0070	----	108	1641	-	51
JAN18	----	----	-0.2410	+ 0.0080	----	----	1409		UNCH
FEB18	----	----	-0.2710	+ 0.0080	----	----	1280		UNCH
MAR18	----	----	-0.4030	+ 0.0120	----	----	1409		UNCH
APR18	----	----	-0.5020	+ 0.0120	----	----	1438		UNCH
MAY18	----	----	-0.5520	+ 0.0110	----	----	1484		UNCH
JUN18	----	----	-0.5690	+ 0.0120	----	----	1446		UNCH
JUL18	----	----	-0.4940	+ 0.0120	----	----	1496		UNCH
AUG18	----	----	-0.4940	+ 0.0120	----	----	1492		UNCH
SEP18	----	----	-0.4940	+ 0.0120	----	----	1442		UNCH
OCT18	----	----	-0.5420	+ 0.0120	----	----	1484		UNCH
NOV18	----	----	-0.3700	+ 0.0100	----	----	1258		UNCH
DEC18	----	----	-0.2690	+ 0.0070	----	----	1302		UNCH
JAN19	----	----	-0.2730	+ 0.0070	----	----	558		UNCH
FEB19	----	----	-0.2820	+ 0.0070	----	----	504		UNCH
MAR19	----	----	-0.3730	+ 0.0100	----	----	558		UNCH
APR19	----	----	-0.4870	UNCH	----	----	540		UNCH
MAY19	----	----	-0.5480	UNCH	----	----	558		UNCH
JUN19	----	----	-0.5590	UNCH	----	----	540		UNCH
JUL19	----	----	-0.5080	UNCH	----	----	558		UNCH
AUG19	----	----	-0.5080	UNCH	----	----	558		UNCH
SEP19	----	----	-0.5040	+ 0.0020	----	----	540		UNCH
OCT19	----	----	-0.5250	- 0.0010	----	----	558		UNCH
NOV19	----	----	-0.3760	+ 0.0060	----	----	540		UNCH
DEC19	----	----	-0.2850	+ 0.0040	----	----	558		UNCH
TOTAL CI FUT						540	33113	-	425
XIC FUT CIG ROCKIES NAT GAS (PLATTS) FUT									
AUG17	----	----	2.5200	- 0.0600	----	----	4		UNCH
SEP17	----	----	2.4940	- 0.0710	----	----	4		UNCH
OCT17	----	----	2.5060	- 0.0680	----	----	4		UNCH
NOV17	----	----	2.6140	- 0.0610	----	----	4		UNCH
DEC17	----	----	2.8660	- 0.0620	----	----	4		UNCH
JAN18	----	----	3.0050	- 0.0620	----	----	4		UNCH
FEB18	----	----	2.9590	- 0.0650	----	----	4		UNCH
MAR18	----	----	2.7750	- 0.0590	----	----	4		UNCH
TOTAL XIC FUT							32		
5Z FUT COLUMB GULF MAINLINE NG BASIS									
AUG17	----	----	-0.1090	+ 0.0020	----	27	1209	-	27
SEP17	----	----	-0.1100	+ 0.0010	----	27	1170	-	27
OCT17	----	----	-0.1160	+ 0.0020	----	27	1209	-	27
NOV17	----	----	-0.1210	+ 0.0030	----	27	1047		UNCH
DEC17	----	----	-0.1300	+ 0.0020	----	26	1080		UNCH
JAN18	----	----	-0.1260	+ 0.0050	----	26	584		UNCH
FEB18	----	----	-0.1210	+ 0.0050	----	26	530		UNCH
MAR18	----	----	-0.1180	+ 0.0040	----	26	584		UNCH
APR18	----	----	-0.1170	+ 0.0050	----	26	326		UNCH
MAY18	----	----	-0.1240	+ 0.0080	----	26	336		UNCH
JUN18	----	----	-0.1370	+ 0.0050	----	26	326		UNCH
JUL18	----	----	-0.1410	+ 0.0060	----	25	335		UNCH
AUG18	----	----	-0.1410	+ 0.0060	----	25	335		UNCH
SEP18	----	----	-0.1380	+ 0.0040	----	25	325		UNCH
OCT18	----	----	-0.1380	+ 0.0060	----	25	335		UNCH
NOV18	----	----	-0.1120	+ 0.0040	----	25	55		UNCH
DEC18	----	----	-0.1240	+ 0.0030	----	25	56		UNCH
JAN19	----	----	-0.1200	+ 0.0030	----	25	25		UNCH
FEB19	----	----	-0.1160	+ 0.0030	----	25	25		UNCH
MAR19	----	----	-0.1120	+ 0.0030	----	24	24		UNCH
APR19	----	----	-0.1120	+ 0.0010	----	24	24		UNCH
MAY19	----	----	-0.1170	+ 0.0020	----	24	24		UNCH
JUN19	----	----	-0.1230	+ 0.0020	----	24	24		UNCH
JUL19	----	----	-0.1260	+ 0.0020	----	24	24		UNCH
AUG19	----	----	-0.1260	+ 0.0020	----	24	24		UNCH
SEP19	----	----	-0.1230	+ 0.0020	----	24	24		UNCH
OCT19	----	----	-0.1240	+ 0.0020	----	24	24		UNCH
NOV19	----	----	-0.0940	UNCH	----	23	23		UNCH
DEC19	----	----	-0.1060	UNCH	----	23	23		UNCH
JAN20	----	----	-0.0990	UNCH	----	23	23		UNCH
FEB20	----	----	-0.0950	UNCH	----	23	23		UNCH
MAR20	----	----	-0.0920	UNCH	----	23	23		UNCH
APR20	----	----	-0.0980	- 0.0010	----	23	23		UNCH
MAY20	----	----	-0.1020	UNCH	----	23	23		UNCH
JUN20	----	----	-0.1090	UNCH	----	23	23		UNCH
JUL20	----	----	-0.1110	+ 0.0010	----	23	23		UNCH
AUG20	----	----	-0.1110	+ 0.0010	----	22	22		UNCH
SEP20	----	----	-0.1090	UNCH	----	22	22		UNCH
OCT20	----	----	-0.1090	+ 0.0010	----	22	22		UNCH
NOV20	----	----	-0.0980	- 0.0020	----	22	22		UNCH
DEC20	----	----	-0.1060	- 0.0020	----	22	22		UNCH
TOTAL 5Z FUT						999	10401	-	81
GL FUT COLUMBIA GULF ONSHORE BASIS									
AUG17	----	----	-0.0840	- 0.0020	----	468	1705	+	248
SEP17	----	----	-0.0920	UNCH	----	212	1410		UNCH
OCT17	----	----	-0.0940	UNCH	----	220	1457		UNCH
NOV17	----	----	-0.0880	+ 0.0020	----	212	1410		UNCH
DEC17	----	----	-0.0900	+ 0.0030	----	220	1457		UNCH

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		GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
TOTAL	GL FUT					1332	7439	+	248
DSF FUT		DOMINION (IFERC) FIXED PRICE							
	AUG17	----	----	1.7150 - 0.1550	----	180	180		UNCH
	SEP17	----	----	1.6340 - 0.1370	----	180	180		UNCH
TOTAL	DSF FUT					360	360		
IH FUT		DOMINION TRAN INC - APP INDEX							
	JAN18	----	----	0.0000 UNCH	----	----	248		UNCH
	FEB18	----	----	0.0000 UNCH	----	----	224		UNCH
	MAR18	----	----	0.0000 UNCH	----	----	248		UNCH
	APR18	----	----	0.0000 UNCH	----	----	240		UNCH
	MAY18	----	----	0.0000 UNCH	----	----	248		UNCH
	JUN18	----	----	0.0000 UNCH	----	----	240		UNCH
	JUL18	----	----	0.0000 UNCH	----	----	248		UNCH
	AUG18	----	----	0.0000 UNCH	----	----	248		UNCH
	SEP18	----	----	0.0000 UNCH	----	----	240		UNCH
	OCT18	----	----	0.0000 UNCH	----	----	248		UNCH
	NOV18	----	----	0.0000 UNCH	----	----	240		UNCH
	DEC18	----	----	0.0000 UNCH	----	----	248		UNCH
TOTAL	IH FUT						2920		
PG FUT		DOMINION TRANSMISSION INC -APPALAC							
	AUG17	----	----	-1.1840 - 0.0840	----	124	3531		UNCH
	SEP17	----	----	-1.2480 - 0.0580	----	120	3528		UNCH
	OCT17	----	----	-1.1320 - 0.0520	----	124	3409		UNCH
	NOV17	----	----	-0.7400 - 0.0100	----	390	2190		UNCH
	DEC17	----	----	-0.5620 + 0.0180	----	403	1984		UNCH
	JAN18	----	----	-0.4500 - 0.0280	----	465	1953		UNCH
	FEB18	----	----	-0.4300 - 0.0280	----	420	1764		UNCH
	MAR18	----	----	-0.4400 - 0.0350	----	465	1953		UNCH
	APR18	----	----	-0.4650 - 0.0050	----	360	1500		UNCH
	MAY18	----	----	-0.5050 - 0.0100	----	372	1364		UNCH
	JUN18	----	----	-0.5100 - 0.0050	----	360	1320		UNCH
	JUL18	----	----	-0.5050 - 0.0050	----	372	1364		UNCH
	AUG18	----	----	-0.5220 - 0.0040	----	372	1364		UNCH
	SEP18	----	----	-0.5700 - 0.0050	----	360	1320		UNCH
	OCT18	----	----	-0.5850 - 0.0050	----	372	1426		UNCH
	NOV18	----	----	-0.5060 UNCH	----	180	960		UNCH
	DEC18	----	----	-0.4300 + 0.0030	----	186	992		UNCH
	JAN19	----	----	-0.4160 UNCH	----	93	1488		UNCH
	FEB19	----	----	-0.4180 - 0.0020	----	84	1344		UNCH
	MAR19	----	----	-0.4300 UNCH	----	93	1488		UNCH
	APR19	----	----	-0.4540 + 0.0060	----	----	600		UNCH
	MAY19	----	----	-0.4940 - 0.0020	----	----	620		UNCH
	JUN19	----	----	-0.5590 + 0.0060	----	----	600		UNCH
	JUL19	----	----	-0.5790 + 0.0060	----	----	620		UNCH
	AUG19	----	----	-0.5640 + 0.0060	----	----	620		UNCH
	SEP19	----	----	-0.6110 + 0.0060	----	----	600		UNCH
	OCT19	----	----	-0.6610 + 0.0060	----	----	620		UNCH
	NOV19	----	----	-0.5680 UNCH	----	----	690		UNCH
	DEC19	----	----	-0.4330 + 0.0020	----	----	713		UNCH
	JAN20	----	----	-0.4630 - 0.0010	----	31	527	-	31
	FEB20	----	----	-0.4630 - 0.0010	----	29	493	-	29
	MAR20	----	----	-0.5480 UNCH	----	31	527	-	31
	APR20	----	----	-0.4560 + 0.0050	----	30	360		UNCH
	MAY20	----	----	-0.4930 + 0.0050	----	31	372		UNCH
	JUN20	----	----	-0.6010 + 0.0050	----	30	360		UNCH
	JUL20	----	----	-0.6130 + 0.0050	----	31	372		UNCH
	AUG20	----	----	-0.5330 + 0.0050	----	31	372		UNCH
	SEP20	----	----	-0.7530 + 0.0050	----	30	360		UNCH
	OCT20	----	----	-0.8560 + 0.0050	----	31	372		UNCH
	NOV20	----	----	-0.5850 UNCH	----	30	300		UNCH
	DEC20	----	----	-0.5550 UNCH	----	31	310		UNCH
TOTAL	PG FUT					6081	46650	-	91
TTE FUT		DUTCH TTF NATURAL GAS FRONT MTH FUT							
	OCT17	----	----	5.122 - 0.046	----	----	0		UNCH
	NOV17	----	----	5.456 - 0.056	----	----	0		UNCH
	DEC17	----	----	5.572 - 0.042	----	----	0		UNCH
	JAN18	----	----	5.596 - 0.068	8	----	0		UNCH
	FEB18	----	----	5.605 - 0.068	8	----	0		UNCH
	MAR18	----	----	5.614 - 0.068	8	----	0		UNCH
TOTAL	TTE FUT				24		0		
NN FUT		HENRY HUB							
	AUG17	----	----	2.899 - 0.071	----	580	52125	-	20
	SEP17	----	----	2.882 - 0.079	----	633	50414	-	20
	OCT17	----	----	2.917 - 0.081	----	10557	63265	+	860
	NOV17	----	----	2.998 - 0.073	----	2064	48486	-	20
	DEC17	----	----	3.153 - 0.069	----	2535	49718	-	12
	JAN18	----	----	3.246 - 0.070	----	1622	65297	+	12
	FEB18	----	----	3.230 - 0.073	----	4248	49326	+	2378
	MAR18	----	----	3.178 - 0.071	----	7316	48195	+	2030
	APR18	----	----	2.823 - 0.056	----	3559	52329	-	8
	MAY18	----	----	2.793 - 0.052	----	2156	36958	+	8
	JUN18	----	----	2.819 - 0.051	----	3806	35656	+	875
	JUL18	----	----	2.844 - 0.051	----	2372	36414	+	12
	AUG18	----	----	2.850 - 0.051	----	2389	36830	+	12
	SEP18	----	----	2.828 - 0.050	----	2377	35011	-	4
	OCT18	----	----	2.848 - 0.050	----	9489	47545	-	4
	NOV18	----	----	2.897 - 0.050	----	2293	32242	+	12
	DEC18	----	----	3.025 - 0.051	----	2355	34330	+	11
	JAN19	----	----	3.108 - 0.052	----	1389	22778	-	101
	FEB19	----	----	3.077 - 0.053	----	1204	19366	-	48
	MAR19	----	----	3.003 - 0.053	----	1422	21762	-	39
	APR19	----	----	2.648 - 0.037	----	1912	16599	+	110
	MAY19	----	----	2.615 - 0.037	----	1855	16968	-	39
	JUN19	----	----	2.637 - 0.037	----	1730	16528	-	42
	JUL19	----	----	2.661 - 0.037	----	1673	16801	-	23
	AUG19	----	----	2.673 - 0.038	----	1624	16740	-	23
	SEP19	----	----	2.656 - 0.038	----	1632	16384	-	26
	OCT19	----	----	2.682 - 0.038	----	1780	17220	-	23
	NOV19	----	----	2.754 - 0.040	----	1496	16560	-	26
	DEC19	----	----	2.899 - 0.041	----	1526	17320	-	23
	JAN20	----	----	3.004 - 0.041	----	1803	12042	+	217
	FEB20	----	----	2.974 - 0.044	----	1645	11014	+	203
	MAR20	----	----	2.911 - 0.044	----	1843	11680	+	217

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PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
NN FUT	HENRY HUB								
APR20	----	----	2.596	- 0.044	----	2045	10784	+	236
MAY20	----	----	2.578	- 0.044	----	2008	11383	+	347
JUN20	----	----	2.608	- 0.044	----	1872	11037	+	360
JUL20	----	----	2.640	- 0.044	----	1850	11560	+	372
AUG20	----	----	2.661	- 0.044	----	1803	11601	+	372
SEP20	----	----	2.660	- 0.044	----	1796	11116	+	360
OCT20	----	----	2.687	- 0.044	----	1954	11350	+	372
NOV20	----	----	2.762	- 0.044	----	1591	10774	+	77
DEC20	----	----	2.909	- 0.044	----	1539	10740	+	95
JAN21	----	----	3.016	- 0.046	----	937	5440	+	169
FEB21	----	----	2.986	- 0.049	----	817	5000	+	141
MAR21	----	----	2.923	- 0.048	----	977	5462	+	189
APR21	----	----	2.610	- 0.048	----	1086	5382	+	360
MAY21	----	----	2.595	- 0.048	----	1009	5540	+	372
JUN21	----	----	2.623	- 0.048	----	919	5380	+	360
JUL21	----	----	2.655	- 0.048	----	770	5623	+	372
AUG21	----	----	2.679	- 0.048	----	724	5660	+	372
SEP21	----	----	2.684	- 0.048	----	762	5398	+	360
OCT21	----	----	2.712	- 0.048	----	968	5416	+	372
NOV21	----	----	2.789	- 0.048	----	972	5194	+	360
DEC21	----	----	2.936	- 0.048	----	991	5349	+	372
JAN22	----	----	3.046	- 0.048	----	49	3966		UNCH
FEB22	----	----	3.013	- 0.048	----	51	3584		UNCH
MAR22	----	----	2.948	- 0.048	----	14	3974		UNCH
APR22	----	----	2.635	- 0.048	----	3	3878	-	3
MAY22	----	----	2.623	- 0.048	----	86	3991		UNCH
JUN22	----	----	2.651	- 0.048	----	127	3852		UNCH
JUL22	----	----	2.683	- 0.048	----	202	3963		UNCH
AUG22	----	----	2.711	- 0.048	----	239	3959		UNCH
SEP22	----	----	2.716	- 0.048	----	178	3843		UNCH
OCT22	----	----	2.748	- 0.048	----	113	3985		UNCH
NOV22	----	----	2.825	- 0.048	----	62	3719		UNCH
DEC22	----	----	2.974	- 0.047	----	79	3838		UNCH
JAN23	----	----	3.090	- 0.045	----	12	2548	-	12
FEB23	----	----	3.060	- 0.043	----	6	2430	-	6
MAR23	----	----	2.995	- 0.043	----	12	2665	-	12
APR23	----	----	2.685	- 0.040	----	10	2582	-	10
MAY23	----	----	2.673	- 0.040	----	12	2661	-	12
JUN23	----	----	2.701	- 0.040	----	10	2582	-	10
JUL23	----	----	2.733	- 0.040	----	12	2637	-	12
AUG23	----	----	2.761	- 0.040	----	12	2637	-	12
SEP23	----	----	2.766	- 0.040	----	10	2554	-	10
OCT23	----	----	2.803	- 0.040	----	12	2637	-	12
NOV23	----	----	2.880	- 0.040	----	10	2562	-	10
DEC23	----	----	3.032	- 0.038	----	12	2641	-	12
JAN24	----	----	3.154	- 0.038	----	----	1792		UNCH
FEB24	----	----	3.124	- 0.038	----	----	1680		UNCH
MAR24	----	----	3.062	- 0.038	----	----	1792		UNCH
APR24	----	----	2.752	- 0.035	----	----	1736		UNCH
MAY24	----	----	2.734	- 0.035	----	----	1792		UNCH
JUN24	----	----	2.762	- 0.035	----	----	1736		UNCH
JUL24	----	----	2.794	- 0.035	----	----	1792		UNCH
AUG24	----	----	2.822	- 0.035	----	----	1792		UNCH
SEP24	----	----	2.827	- 0.035	----	----	1736		UNCH
OCT24	----	----	2.864	- 0.035	----	----	1792		UNCH
NOV24	----	----	2.941	- 0.035	----	----	1736		UNCH
DEC24	----	----	3.095	- 0.033	----	----	1792		UNCH
JAN25	----	----	3.219	- 0.031	----	----	1278		UNCH
FEB25	----	----	3.187	- 0.031	----	----	1152		UNCH
MAR25	----	----	3.122	- 0.031	----	----	1278		UNCH
APR25	----	----	2.809	- 0.031	----	----	1236		UNCH
MAY25	----	----	2.793	- 0.031	----	----	1278		UNCH
JUN25	----	----	2.826	- 0.031	----	----	1236		UNCH
JUL25	----	----	2.868	- 0.031	----	----	1278		UNCH
AUG25	----	----	2.906	- 0.031	----	----	1278		UNCH
SEP25	----	----	2.919	- 0.031	----	----	1236		UNCH
OCT25	----	----	2.971	- 0.031	----	----	1278		UNCH
NOV25	----	----	3.048	- 0.031	----	----	1236		UNCH
DEC25	----	----	3.202	- 0.029	----	----	1278		UNCH
JAN26	----	----	3.326	- 0.028	----	----	536		UNCH
FEB26	----	----	3.288	- 0.028	----	----	488		UNCH
MAR26	----	----	3.216	- 0.028	----	----	536		UNCH
APR26	----	----	2.891	- 0.028	----	----	520		UNCH
MAY26	----	----	2.876	- 0.028	----	----	536		UNCH
JUN26	----	----	2.909	- 0.028	----	----	520		UNCH
JUL26	----	----	2.954	- 0.028	----	----	536		UNCH
AUG26	----	----	2.994	- 0.028	----	----	536		UNCH
SEP26	----	----	3.009	- 0.028	----	----	520		UNCH
OCT26	----	----	3.064	- 0.028	----	----	536		UNCH
NOV26	----	----	3.142	- 0.028	----	----	520		UNCH
DEC26	----	----	3.297	- 0.026	----	----	536		UNCH
JAN28	----	----	3.531	- 0.024	----	----	217		UNCH
FEB28	----	----	3.492	- 0.023	----	----	203		UNCH
MAR28	----	----	3.417	- 0.023	----	----	217		UNCH
APR28	----	----	3.062	- 0.023	----	----	210		UNCH
MAY28	----	----	3.047	- 0.023	----	----	217		UNCH
JUN28	----	----	3.082	- 0.023	----	----	210		UNCH
JUL28	----	----	3.127	- 0.023	----	----	217		UNCH
AUG28	----	----	3.167	- 0.023	----	----	217		UNCH
SEP28	----	----	3.182	- 0.023	----	----	210		UNCH
OCT28	----	----	3.237	- 0.023	----	----	217		UNCH
NOV28	----	----	3.317	- 0.023	----	----	210		UNCH
DEC28	----	----	3.482	- 0.023	----	----	217		UNCH
TOTAL NN FUT						113608	1311872	+	12713
HB FUT	HENRY HUB BASIS								
AUG17	----	----	0.0020	UNCH	----	124	5611	+	62
SEP17	----	----	-0.0020	UNCH	----	120	4110	+	60
OCT17	----	----	-0.0020	UNCH	----	124	4247	+	62
NOV17	----	----	-0.0020	UNCH	----	120	2310	+	60
DEC17	----	----	-0.0020	UNCH	----	124	2387	+	62
JAN18	----	----	-0.0020	UNCH	----	----	124		UNCH
FEB18	----	----	-0.0020	UNCH	----	----	112		UNCH
MAR18	----	----	-0.0020	UNCH	----	----	124		UNCH
APR18	----	----	0.0020	UNCH	----	----	120		UNCH
MAY18	----	----	0.0020	UNCH	----	----	124		UNCH
JUN18	----	----	0.0020	UNCH	----	----	120		UNCH

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PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
HB FUT	HENRY HUB BASIS							
JUL18	----	----	0.0020	UNCH	----	----	124	UNCH
AUG18	----	----	0.0020	UNCH	----	----	124	UNCH
SEP18	----	----	0.0020	UNCH	----	----	120	UNCH
OCT18	----	----	0.0020	UNCH	----	----	124	UNCH
NOV18	----	----	-0.0020	UNCH	----	----	120	UNCH
DEC18	----	----	-0.0020	UNCH	----	----	124	UNCH
TOTAL HB FUT						612	20125	+ 306
IN FUT	HENRY HUB INDEX FUTURE							
JUL17	----	----	-0.1080	- 0.0100	----	----	2728	UNCH
AUG17	----	----	0.0030	UNCH	----	----	3379	UNCH
SEP17	----	----	0.0030	UNCH	----	----	1830	UNCH
OCT17	----	----	0.0030	UNCH	----	----	1891	UNCH
NOV17	----	----	0.0000	UNCH	----	----	210	UNCH
DEC17	----	----	0.0000	UNCH	----	----	217	UNCH
TOTAL IN FUT							10255	
HH FUT	HENRY HUB NG LAST DAY FINANCIAL							
AUG17	2.938	2.942 /2.890	2.899	- 0.071	9545	12553	31861	+ 2996
SEP17	2.922	2.932 /2.865	2.882	- 0.079	1408	1303	22615	+ 368
OCT17	2.956	2.963 /2.914	2.917	- 0.081	1137	1766	47061	+ 675
NOV17	3.038	3.038 /2.997A	2.998	- 0.073	145	287	21913	+ 58
DEC17	3.183	3.183 /3.154A	3.153	- 0.069	340	549	20847	+ 165
JAN18	3.285	3.285 /3.246	3.246	- 0.070	121	294	30852	- 47
FEB18	3.263	3.263 /3.230	3.230	- 0.073	231	717	16543	+ 86
MAR18	3.221	3.221 /3.212	3.178	- 0.071	84	1661	19551	+ 533
APR18	2.844	2.844 /2.820	2.823	- 0.056	267	1034	22042	- 845
MAY18	2.810	2.812 /2.793	2.793	- 0.052	55	52	16258	- 6
JUN18	2.837	2.837 /2.837	2.819	- 0.051	11	6	11547	+ 3
JUL18	2.864	2.864 /2.864	2.844	- 0.051	130	74	14983	+ 78
AUG18	2.867	2.867 /2.867	2.850	- 0.051	148	49	14676	+ 135
SEP18	2.846	2.846 /2.846	2.828	- 0.050	38	6	12536	+ 1
OCT18	2.866	2.866 /2.866	2.848	- 0.050	77	376	11179	- 304
NOV18	2.917	2.917 /2.917	2.897	- 0.050	43	224	10971	- 219
DEC18	3.045	3.045 /3.045	3.025	- 0.051	844	174	11063	+ 134
JAN19	3.127	3.127 /3.127	3.108	- 0.052	81	584	4713	- 577
FEB19	3.101	3.101 /3.101	3.077	- 0.053	26	134	4715	- 105
MAR19	3.030	3.030 /3.030	3.003	- 0.053	2	236	6450	UNCH
APR19	2.664	2.664 /2.664	2.648	- 0.037	43	284	5053	- 259
MAY19	2.634	2.634 /2.634	2.615	- 0.037	8	134	3678	- 11
JUN19	2.655	2.655 /2.655	2.637	- 0.037	22	134	3564	- 74
JUL19	2.680	2.680 /2.680	2.661	- 0.037	21	149	3426	- 96
AUG19	2.700	2.700 /2.700	2.673	- 0.038	3	155	3116	- 124
SEP19	----	----	2.656	- 0.038	138	134	3318	- 62
OCT19	----	----	2.682	- 0.038	----	134	2922	- 28
NOV19	----	----	2.754	- 0.040	----	134	2817	- 119
DEC19	2.930	2.930 /2.930	2.899	- 0.041	2	134	2737	- 119
JAN20	----	----	3.004	- 0.041	10	41	1633	+ 10
FEB20	----	----	2.974	- 0.044	10	41	1179	+ 10
MAR20	----	----	2.911	- 0.044	10	41	1403	- 41
APR20	----	----	2.596	- 0.044	10	41	1375	+ 10
MAY20	----	----	2.578	- 0.044	10	41	750	- 15
JUN20	----	----	2.608	- 0.044	10	41	647	- 15
JUL20	----	----	2.640	- 0.044	10	41	650	- 15
AUG20	----	----	2.661	- 0.044	10	41	652	- 15
SEP20	----	----	2.660	- 0.044	10	41	646	- 15
OCT20	----	----	2.687	- 0.044	10	41	762	- 15
NOV20	----	----	2.762	- 0.044	10	41	658	+ 10
DEC20	----	----	2.909	- 0.044	10	41	643	+ 10
JAN21	----	----	3.016	- 0.046	----	----	215	UNCH
FEB21	----	----	2.986	- 0.049	----	----	221	UNCH
MAR21	----	----	2.923	- 0.048	----	----	90	UNCH
APR21	----	----	2.610	- 0.048	----	----	98	UNCH
MAY21	----	----	2.595	- 0.048	----	----	97	UNCH
JUN21	----	----	2.623	- 0.048	----	----	96	UNCH
JUL21	----	----	2.655	- 0.048	----	----	96	UNCH
AUG21	----	----	2.679	- 0.048	----	----	95	UNCH
SEP21	----	----	2.684	- 0.048	----	----	94	UNCH
OCT21	----	----	2.712	- 0.048	----	----	352	UNCH
NOV21	----	----	2.789	- 0.048	----	----	123	UNCH
DEC21	----	----	2.936	- 0.048	----	----	125	UNCH
JAN22	----	----	3.046	- 0.048	----	----	278	UNCH
FEB22	----	----	3.013	- 0.048	----	----	65	UNCH
MAR22	----	----	2.948	- 0.048	----	----	59	UNCH
APR22	----	----	2.635	- 0.048	----	----	13	UNCH
MAY22	----	----	2.623	- 0.048	----	----	12	UNCH
JUN22	----	----	2.651	- 0.048	----	----	12	UNCH
JUL22	----	----	2.683	- 0.048	----	----	22	UNCH
AUG22	----	----	2.711	- 0.048	----	----	22	UNCH
SEP22	----	----	2.716	- 0.048	----	----	21	UNCH
OCT22	----	----	2.748	- 0.048	----	----	17	UNCH
NOV22	----	----	2.825	- 0.048	----	----	18	UNCH
DEC22	----	----	2.974	- 0.047	----	----	18	UNCH
TOTAL HH FUT					15090	23963	396264	+ 2156
NPG FUT	HENRY HUB PENULTIMATE FUT							
AUG17	----	----	2.899	- 0.071	----	1057	25037	- 426
SEP17	----	----	2.882	- 0.079	----	797	26716	UNCH
OCT17	----	----	2.917	- 0.081	----	797	28940	UNCH
NOV17	----	----	2.998	- 0.073	----	268	16512	- 55
DEC17	----	----	3.153	- 0.069	----	334	13562	- 55
JAN18	----	----	3.246	- 0.070	----	367	13354	UNCH
FEB18	----	----	3.230	- 0.073	----	160	9047	UNCH
MAR18	----	----	3.178	- 0.071	----	160	8466	UNCH
APR18	----	----	2.823	- 0.056	----	414	8481	- 226
MAY18	----	----	2.793	- 0.052	----	414	6572	+ 161
JUN18	----	----	2.819	- 0.051	----	414	6232	- 62
JUL18	----	----	2.844	- 0.051	----	414	6651	+ 161
AUG18	----	----	2.850	- 0.051	----	414	6631	+ 161
SEP18	----	----	2.828	- 0.050	----	414	6651	+ 161
OCT18	----	----	2.848	- 0.050	----	414	7234	UNCH
NOV18	----	----	2.897	- 0.050	----	226	5238	UNCH
DEC18	----	----	3.025	- 0.051	----	226	6038	UNCH
JAN19	----	----	3.108	- 0.052	----	----	2526	UNCH
FEB19	----	----	3.077	- 0.053	----	----	3207	UNCH
MAR19	----	----	3.003	- 0.053	----	----	3871	UNCH
APR19	----	----	2.648	- 0.037	----	----	2340	UNCH

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Mon, Jul 24, 2017 PG61

	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
NPG FUT	HENRY HUB PENULTIMATE FUT							
MAY19	----	----	2.615	- 0.037	----	----	2340	UNCH
JUN19	----	----	2.637	- 0.037	----	----	2340	UNCH
JUL19	----	----	2.661	- 0.037	----	----	2340	UNCH
AUG19	----	----	2.673	- 0.038	----	----	2270	UNCH
SEP19	----	----	2.656	- 0.038	----	----	2270	UNCH
OCT19	----	----	2.682	- 0.038	----	----	2302	UNCH
NOV19	----	----	2.754	- 0.040	----	----	2311	UNCH
DEC19	----	----	2.899	- 0.041	----	----	2386	UNCH
JAN20	----	----	3.004	- 0.041	----	----	1070	UNCH
FEB20	----	----	2.974	- 0.044	----	----	1070	UNCH
MAR20	----	----	2.911	- 0.044	----	----	1070	UNCH
APR20	----	----	2.596	- 0.044	----	----	1084	UNCH
MAY20	----	----	2.578	- 0.044	----	----	1084	UNCH
JUN20	----	----	2.608	- 0.044	----	----	1084	UNCH
JUL20	----	----	2.640	- 0.044	----	----	1084	UNCH
AUG20	----	----	2.661	- 0.044	----	----	1084	UNCH
SEP20	----	----	2.660	- 0.044	----	----	1084	UNCH
OCT20	----	----	2.687	- 0.044	----	----	1084	UNCH
NOV20	----	----	2.762	- 0.044	----	----	1070	UNCH
DEC20	----	----	2.909	- 0.044	----	----	1070	UNCH
JAN21	----	----	3.016	- 0.046	----	----	478	UNCH
FEB21	----	----	2.986	- 0.049	----	----	478	UNCH
MAR21	----	----	2.923	- 0.048	----	----	478	UNCH
APR21	----	----	2.610	- 0.048	----	----	478	UNCH
MAY21	----	----	2.595	- 0.048	----	----	478	UNCH
JUN21	----	----	2.623	- 0.048	----	----	478	UNCH
JUL21	----	----	2.655	- 0.048	----	----	478	UNCH
AUG21	----	----	2.679	- 0.048	----	----	478	UNCH
SEP21	----	----	2.684	- 0.048	----	----	478	UNCH
OCT21	----	----	2.712	- 0.048	----	----	478	UNCH
NOV21	----	----	2.789	- 0.048	----	----	478	UNCH
DEC21	----	----	2.936	- 0.048	----	----	478	UNCH
JAN22	----	----	3.046	- 0.048	----	----	60	UNCH
FEB22	----	----	3.013	- 0.048	----	----	60	UNCH
MAR22	----	----	2.948	- 0.048	----	----	60	UNCH
APR22	----	----	2.635	- 0.048	----	----	60	UNCH
MAY22	----	----	2.623	- 0.048	----	----	60	UNCH
JUN22	----	----	2.651	- 0.048	----	----	60	UNCH
JUL22	----	----	2.683	- 0.048	----	----	60	UNCH
AUG22	----	----	2.711	- 0.048	----	----	60	UNCH
SEP22	----	----	2.716	- 0.048	----	----	60	UNCH
OCT22	----	----	2.748	- 0.048	----	----	60	UNCH
NOV22	----	----	2.825	- 0.048	----	----	60	UNCH
DEC22	----	----	2.974	- 0.047	----	----	60	UNCH
JAN23	----	----	3.090	- 0.045	----	----	60	UNCH
FEB23	----	----	3.060	- 0.043	----	----	60	UNCH
MAR23	----	----	2.995	- 0.043	----	----	60	UNCH
APR23	----	----	2.685	- 0.040	----	----	60	UNCH
MAY23	----	----	2.673	- 0.040	----	----	60	UNCH
JUN23	----	----	2.701	- 0.040	----	----	60	UNCH
JUL23	----	----	2.733	- 0.040	----	----	60	UNCH
AUG23	----	----	2.761	- 0.040	----	----	60	UNCH
SEP23	----	----	2.766	- 0.040	----	----	60	UNCH
OCT23	----	----	2.803	- 0.040	----	----	60	UNCH
NOV23	----	----	2.880	- 0.040	----	----	60	UNCH
DEC23	----	----	3.032	- 0.038	----	----	60	UNCH
JAN24	----	----	3.154	- 0.038	----	----	60	UNCH
FEB24	----	----	3.124	- 0.038	----	----	60	UNCH
MAR24	----	----	3.062	- 0.038	----	----	60	UNCH
APR24	----	----	2.752	- 0.035	----	----	60	UNCH
MAY24	----	----	2.734	- 0.035	----	----	60	UNCH
JUN24	----	----	2.762	- 0.035	----	----	60	UNCH
JUL24	----	----	2.794	- 0.035	----	----	60	UNCH
AUG24	----	----	2.822	- 0.035	----	----	60	UNCH
SEP24	----	----	2.827	- 0.035	----	----	60	UNCH
OCT24	----	----	2.864	- 0.035	----	----	60	UNCH
NOV24	----	----	2.941	- 0.035	----	----	60	UNCH
DEC24	----	----	3.095	- 0.033	----	----	60	UNCH
JAN25	----	----	3.219	- 0.031	----	----	8	UNCH
FEB25	----	----	3.187	- 0.031	----	----	8	UNCH
MAR25	----	----	3.122	- 0.031	----	----	8	UNCH
APR25	----	----	2.809	- 0.031	----	----	8	UNCH
MAY25	----	----	2.793	- 0.031	----	----	8	UNCH
JUN25	----	----	2.826	- 0.031	----	----	8	UNCH
JUL25	----	----	2.868	- 0.031	----	----	8	UNCH
AUG25	----	----	2.906	- 0.031	----	----	8	UNCH
SEP25	----	----	2.919	- 0.031	----	----	8	UNCH
OCT25	----	----	2.971	- 0.031	----	----	8	UNCH
NOV25	----	----	3.048	- 0.031	----	----	8	UNCH
DEC25	----	----	3.202	- 0.029	----	----	8	UNCH
TOTAL						7290	252795	- 180
NHN FUT	HOUSTON SHIP CHANNEL BASIS							
AUG17	----	----	-0.0440	+ 0.0020	----	93	558	- 93
SEP17	----	----	-0.0540	+ 0.0040	----	90	540	- 90
OCT17	----	----	-0.0680	+ 0.0010	----	----	651	UNCH
NOV17	----	----	-0.0910	- 0.0010	----	----	660	UNCH
DEC17	----	----	-0.1210	- 0.0030	----	----	834	UNCH
JAN18	----	----	-0.1340	+ 0.0050	----	62	744	UNCH
FEB18	----	----	-0.1340	+ 0.0050	----	56	672	UNCH
MAR18	----	----	-0.1140	+ 0.0070	----	62	1144	UNCH
APR18	----	----	-0.0400	- 0.0010	----	60	540	UNCH
MAY18	----	----	-0.0310	- 0.0070	----	62	558	UNCH
JUN18	----	----	-0.0260	- 0.0070	----	60	540	UNCH
JUL18	----	----	-0.0260	- 0.0050	----	62	558	UNCH
AUG18	----	----	-0.0260	- 0.0050	----	62	558	UNCH
SEP18	----	----	-0.0310	- 0.0050	----	60	540	UNCH
OCT18	----	----	-0.0380	- 0.0040	----	62	558	UNCH
NOV18	----	----	-0.0750	- 0.0030	----	60	450	UNCH
DEC18	----	----	-0.1010	- 0.0010	----	62	465	UNCH
JAN19	----	----	-0.1250	- 0.0040	----	----	527	UNCH
FEB19	----	----	-0.1240	- 0.0040	----	----	476	UNCH
MAR19	----	----	-0.1140	- 0.0030	----	----	527	UNCH
APR19	----	----	-0.0070	- 0.0010	----	----	510	UNCH
MAY19	----	----	0.0020	+ 0.0010	----	----	527	UNCH
JUN19	----	----	0.0070	+ 0.0030	----	----	510	UNCH
JUL19	----	----	0.0070	- 0.0020	----	----	527	UNCH

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	HOUSTON SHIP CHANNEL BASIS	HOUSTON SHIP CHANNEL PIPE	MICHIGAN BASIS	NGPL MID-CONTINENT	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
NHN FUT									
AUG19	----	----	----	----	0.0070 - 0.0030	----	----	527	UNCH
SEP19	----	----	----	----	0.0020 - 0.0060	----	----	510	UNCH
OCT19	----	----	----	----	-0.0040 - 0.0030	----	----	527	UNCH
NOV19	----	----	----	----	-0.0620 + 0.0130	----	----	510	UNCH
DEC19	----	----	----	----	-0.0860 - 0.0050	----	----	527	UNCH
JAN20	----	----	----	----	-0.1090 - 0.0100	----	----	279	UNCH
FEB20	----	----	----	----	-0.1080 - 0.0040	----	----	261	UNCH
MAR20	----	----	----	----	-0.0980 - 0.0040	----	----	279	UNCH
APR20	----	----	----	----	0.0240 UNCH	----	----	270	UNCH
MAY20	----	----	----	----	0.0320 + 0.0010	----	----	279	UNCH
JUN20	----	----	----	----	0.0380 + 0.0040	----	----	270	UNCH
JUL20	----	----	----	----	0.0380 - 0.0010	----	----	279	UNCH
AUG20	----	----	----	----	0.0380 - 0.0020	----	----	279	UNCH
SEP20	----	----	----	----	0.0330 - 0.0050	----	----	270	UNCH
OCT20	----	----	----	----	0.0260 - 0.0030	----	----	279	UNCH
NOV20	----	----	----	----	-0.0650 + 0.0120	----	----	270	UNCH
DEC20	----	----	----	----	-0.0900 + 0.0120	----	----	279	UNCH
JAN21	----	----	----	----	-0.1050 - 0.0120	----	----	155	UNCH
FEB21	----	----	----	----	-0.1030 - 0.0120	----	----	140	UNCH
MAR21	----	----	----	----	-0.0970 - 0.0100	----	----	155	UNCH
APR21	----	----	----	----	0.0300 - 0.0020	----	----	150	UNCH
MAY21	----	----	----	----	0.0380 + 0.0010	----	----	155	UNCH
JUN21	----	----	----	----	0.0430 + 0.0010	----	----	150	UNCH
JUL21	----	----	----	----	0.0440 + 0.0010	----	----	155	UNCH
AUG21	----	----	----	----	0.0440 UNCH	----	----	155	UNCH
SEP21	----	----	----	----	0.0380 - 0.0060	----	----	150	UNCH
OCT21	----	----	----	----	0.0320 UNCH	----	----	155	UNCH
NOV21	----	----	----	----	-0.0450 + 0.0120	----	----	150	UNCH
DEC21	----	----	----	----	-0.0810 - 0.0060	----	----	155	UNCH
TOTAL NHN FUT							913	21894	- 183
XJ FUT									
AUG17	----	----	----	----	2.855 - 0.069	----	362	362	UNCH
SEP17	----	----	----	----	2.828 - 0.075	----	357	357	UNCH
TOTAL XJ FUT							719	719	
NF FUT									
AUG17	----	----	----	----	-0.1180 + 0.0040	----	----	682	UNCH
SEP17	----	----	----	----	-0.1180 + 0.0020	----	----	660	UNCH
OCT17	----	----	----	----	-0.1130 + 0.0020	----	----	682	UNCH
NOV17	----	----	----	----	-0.0850 + 0.0010	----	----	360	UNCH
DEC17	----	----	----	----	-0.1090 + 0.0020	----	----	496	UNCH
JAN18	----	----	----	----	-0.0720 + 0.0060	----	----	378	UNCH
FEB18	----	----	----	----	-0.0320 + 0.0040	----	----	354	UNCH
MAR18	----	----	----	----	-0.0620 + 0.0010	----	----	378	UNCH
APR18	----	----	----	----	-0.1130 + 0.0020	----	----	220	UNCH
MAY18	----	----	----	----	-0.1550 + 0.0010	----	----	223	UNCH
JUN18	----	----	----	----	-0.2020 + 0.0020	----	----	220	UNCH
JUL18	----	----	----	----	-0.2500 + 0.0010	----	----	223	UNCH
AUG18	----	----	----	----	-0.2500 + 0.0020	----	----	223	UNCH
SEP18	----	----	----	----	-0.2450 + 0.0020	----	----	220	UNCH
OCT18	----	----	----	----	-0.2700 + 0.0020	----	----	223	UNCH
NOV18	----	----	----	----	-0.1210 UNCH	----	----	280	UNCH
DEC18	----	----	----	----	-0.1290 UNCH	----	----	285	UNCH
JAN19	----	----	----	----	-0.1320 + 0.0020	----	----	155	UNCH
FEB19	----	----	----	----	-0.0920 + 0.0020	----	----	140	UNCH
MAR19	----	----	----	----	-0.1170 UNCH	----	----	155	UNCH
APR19	----	----	----	----	-0.1150 + 0.0010	----	----	30	UNCH
MAY19	----	----	----	----	-0.1400 + 0.0020	----	----	31	UNCH
JUN19	----	----	----	----	-0.2050 + 0.0020	----	----	30	UNCH
JUL19	----	----	----	----	-0.2360 + 0.0020	----	----	31	UNCH
AUG19	----	----	----	----	-0.2380 + 0.0010	----	----	31	UNCH
SEP19	----	----	----	----	-0.2360 + 0.0020	----	----	30	UNCH
OCT19	----	----	----	----	-0.2620 + 0.0010	----	----	31	UNCH
NOV19	----	----	----	----	-0.1070 UNCH	----	----	120	UNCH
DEC19	----	----	----	----	-0.1060 UNCH	----	----	124	UNCH
JAN20	----	----	----	----	-0.1150 + 0.0010	----	----	124	UNCH
FEB20	----	----	----	----	-0.0780 + 0.0010	----	----	116	UNCH
MAR20	----	----	----	----	-0.1000 UNCH	----	----	124	UNCH
APR20	----	----	----	----	-0.0700 - 0.0020	----	----	120	UNCH
MAY20	----	----	----	----	-0.1590 - 0.0030	----	----	124	UNCH
JUN20	----	----	----	----	-0.1890 - 0.0020	----	----	120	UNCH
JUL20	----	----	----	----	-0.1750 - 0.0020	----	----	124	UNCH
AUG20	----	----	----	----	-0.1770 - 0.0030	----	----	124	UNCH
SEP20	----	----	----	----	-0.1780 - 0.0020	----	----	120	UNCH
OCT20	----	----	----	----	-0.2040 - 0.0020	----	----	124	UNCH
TOTAL NF FUT								8235	
NL FUT									
AUG17	----	----	----	----	-0.2990 + 0.0110	----	----	992	UNCH
SEP17	----	----	----	----	-0.3260 + 0.0120	----	----	960	UNCH
OCT17	----	----	----	----	-0.3550 + 0.0110	----	----	868	UNCH
NOV17	----	----	----	----	-0.3510 - 0.0060	----	----	630	UNCH
DEC17	----	----	----	----	-0.3060 - 0.0070	----	----	651	UNCH
JAN18	----	----	----	----	-0.2660 - 0.0070	----	----	620	UNCH
FEB18	----	----	----	----	-0.2860 - 0.0070	----	----	560	UNCH
MAR18	----	----	----	----	-0.3490 - 0.0070	----	----	620	UNCH
APR18	----	----	----	----	-0.3900 + 0.0040	----	----	930	UNCH
MAY18	----	----	----	----	-0.4180 + 0.0030	----	----	961	UNCH
JUN18	----	----	----	----	-0.4300 + 0.0040	----	----	930	UNCH
JUL18	----	----	----	----	-0.3870 + 0.0040	----	----	961	UNCH
AUG18	----	----	----	----	-0.3900 + 0.0040	----	----	961	UNCH
SEP18	----	----	----	----	-0.4080 + 0.0030	----	----	930	UNCH
OCT18	----	----	----	----	-0.4180 + 0.0030	----	----	961	UNCH
NOV18	----	----	----	----	-0.3440 - 0.0170	----	----	810	UNCH
DEC18	----	----	----	----	-0.3060 - 0.0180	----	----	837	UNCH
JAN19	----	----	----	----	-0.2610 - 0.0190	----	----	837	UNCH
FEB19	----	----	----	----	-0.2700 - 0.0190	----	----	756	UNCH
MAR19	----	----	----	----	-0.3260 - 0.0180	----	----	837	UNCH
APR19	----	----	----	----	-0.3650 + 0.0020	----	----	840	UNCH
MAY19	----	----	----	----	-0.4220 + 0.0030	----	----	868	UNCH
JUN19	----	----	----	----	-0.4160 + 0.0030	----	----	840	UNCH
JUL19	----	----	----	----	-0.3520 + 0.0030	----	----	868	UNCH
AUG19	----	----	----	----	-0.3530 + 0.0030	----	----	868	UNCH
SEP19	----	----	----	----	-0.4050 + 0.0020	----	----	840	UNCH
OCT19	----	----	----	----	-0.4180 + 0.0030	----	----	868	UNCH
NOV19	----	----	----	----	-0.2910 - 0.0100	----	----	600	UNCH

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Mon, Jul 24, 2017 PG61

	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
NL FUT	NGPL MID-CONTINENT							
DEC19	----	----	-0.2670	- 0.0110	----	----	620	UNCH
JAN20	----	----	-0.2540	- 0.0110	----	----	620	UNCH
FEB20	----	----	-0.2550	- 0.0110	----	----	580	UNCH
MAR20	----	----	-0.3050	- 0.0110	----	----	620	UNCH
TOTAL NL FUT							25644	
PD FUT	NGPL TEX /OK							
AUG17	----	----	-0.1510	+ 0.0060	----	124	1271	UNCH
SEP17	----	----	-0.1560	+ 0.0010	----	120	2010	UNCH
OCT17	----	----	-0.1660	+ 0.0010	----	124	1969	UNCH
NOV17	----	----	-0.1810	+ 0.0040	----	120	1780	UNCH
DEC17	----	----	-0.1790	+ 0.0050	----	124	1364	UNCH
JAN18	----	----	-0.1830	+ 0.0090	----	62	1209	UNCH
FEB18	----	----	-0.1820	+ 0.0080	----	56	1092	UNCH
MAR18	----	----	-0.1840	+ 0.0080	----	62	1209	UNCH
APR18	----	----	-0.1440	+ 0.0060	----	60	930	UNCH
MAY18	----	----	-0.1720	+ 0.0060	----	62	961	UNCH
JUN18	----	----	-0.1640	+ 0.0070	----	60	930	UNCH
JUL18	----	----	-0.1510	+ 0.0070	----	62	961	UNCH
AUG18	----	----	-0.1390	+ 0.0060	----	62	961	UNCH
SEP18	----	----	-0.1740	+ 0.0060	----	60	930	UNCH
OCT18	----	----	-0.1820	+ 0.0060	----	62	961	UNCH
NOV18	----	----	-0.1620	+ 0.0080	----	60	810	UNCH
DEC18	----	----	-0.1620	+ 0.0080	----	62	837	UNCH
JAN19	----	----	-0.1780	+ 0.0080	----	----	651	UNCH
FEB19	----	----	-0.1780	+ 0.0080	----	----	588	UNCH
MAR19	----	----	-0.1780	+ 0.0090	----	----	651	UNCH
APR19	----	----	-0.1230	+ 0.0010	----	----	630	UNCH
MAY19	----	----	-0.1580	+ 0.0010	----	----	651	UNCH
JUN19	----	----	-0.1560	+ 0.0010	----	----	630	UNCH
JUL19	----	----	-0.1380	+ 0.0010	----	----	651	UNCH
AUG19	----	----	-0.1240	+ 0.0010	----	----	651	UNCH
SEP19	----	----	-0.1570	+ 0.0010	----	----	630	UNCH
OCT19	----	----	-0.1640	+ 0.0010	----	----	651	UNCH
NOV19	----	----	-0.1760	- 0.0090	----	----	630	UNCH
DEC19	----	----	-0.1750	- 0.0110	----	----	651	UNCH
JAN20	----	----	-0.1780	- 0.0020	----	----	620	UNCH
FEB20	----	----	-0.1770	- 0.0030	----	----	580	UNCH
MAR20	----	----	-0.1780	- 0.0010	----	----	620	UNCH
TOTAL PD FUT						1342	29670	
PE FUT	NORTHERN NATURAL GAS DEMARCATION							
AUG17	----	----	-0.2280	+ 0.0060	----	----	70	UNCH
SEP17	----	----	-0.2480	+ 0.0060	----	----	68	UNCH
OCT17	----	----	-0.2490	+ 0.0090	----	----	70	UNCH
NOV17	----	----	-0.2220	+ 0.0050	----	----	180	UNCH
DEC17	----	----	-0.1530	UNCH	----	----	186	UNCH
JAN18	----	----	0.0050	+ 0.0060	----	----	186	UNCH
FEB18	----	----	0.0020	+ 0.0050	----	----	168	UNCH
MAR18	----	----	-0.2200	UNCH	----	----	186	UNCH
APR18	----	----	-0.2590	+ 0.0010	----	----	128	UNCH
MAY18	----	----	-0.3960	+ 0.0020	----	----	132	UNCH
JUN18	----	----	-0.4460	+ 0.0050	----	----	128	UNCH
JUL18	----	----	-0.3560	+ 0.0030	----	----	132	UNCH
AUG18	----	----	-0.3610	+ 0.0030	----	----	132	UNCH
SEP18	----	----	-0.3960	+ 0.0030	----	----	128	UNCH
OCT18	----	----	-0.3680	+ 0.0030	----	----	132	UNCH
NOV18	----	----	-0.2480	+ 0.0050	----	----	8	UNCH
DEC18	----	----	-0.1720	+ 0.0030	----	----	8	UNCH
APR19	----	----	-0.2690	+ 0.0010	----	----	60	UNCH
MAY19	----	----	-0.3790	+ 0.0010	----	----	62	UNCH
JUN19	----	----	-0.4060	+ 0.0020	----	----	60	UNCH
JUL19	----	----	-0.3240	+ 0.0010	----	----	62	UNCH
AUG19	----	----	-0.3240	+ 0.0010	----	----	62	UNCH
SEP19	----	----	-0.3640	+ 0.0010	----	----	60	UNCH
OCT19	----	----	-0.3600	+ 0.0010	----	----	62	UNCH
TOTAL PE FUT							2470	
PF FUT	NORTHERN NATURAL GAS VENTURA IOWA							
AUG17	----	----	-0.2220	+ 0.0110	----	----	400	UNCH
SEP17	----	----	-0.2440	+ 0.0040	----	----	388	UNCH
OCT17	----	----	-0.2490	+ 0.0060	----	----	400	UNCH
NOV17	----	----	-0.1860	+ 0.0040	----	----	180	UNCH
DEC17	----	----	-0.1110	- 0.0030	----	----	186	UNCH
JAN18	----	----	0.1280	+ 0.0040	----	----	31	UNCH
FEB18	----	----	0.1250	+ 0.0030	----	----	28	UNCH
MAR18	----	----	-0.1780	- 0.0020	----	----	31	UNCH
APR18	----	----	-0.2410	+ 0.0030	----	----	12	UNCH
MAY18	----	----	-0.3770	+ 0.0030	----	----	12	UNCH
JUN18	----	----	-0.4000	+ 0.0020	----	----	12	UNCH
JUL18	----	----	-0.3500	+ 0.0020	----	----	12	UNCH
AUG18	----	----	-0.3500	+ 0.0030	----	----	12	UNCH
SEP18	----	----	-0.3900	+ 0.0030	----	----	12	UNCH
OCT18	----	----	-0.3800	+ 0.0030	----	----	12	UNCH
APR19	----	----	-0.2750	+ 0.0020	----	----	180	UNCH
MAY19	----	----	-0.3520	+ 0.0020	----	----	186	UNCH
JUN19	----	----	-0.3770	+ 0.0020	----	----	180	UNCH
JUL19	----	----	-0.3270	+ 0.0030	----	----	186	UNCH
AUG19	----	----	-0.3280	+ 0.0020	----	----	186	UNCH
SEP19	----	----	-0.3580	+ 0.0020	----	----	180	UNCH
OCT19	----	----	-0.3440	+ 0.0030	----	----	186	UNCH
TOTAL PF FUT							3012	
XR FUT	NORTHERN ROCKIES PIPE							
AUG17	----	----	2.558	- 0.060	----	31	62 +	31
SEP17	----	----	2.539	- 0.070	----	30	60 +	30
OCT17	----	----	2.544	- 0.069	----	31	62 +	31
NOV17	----	----	2.663	- 0.062	----	30	60 +	30
DEC17	----	----	2.944	- 0.063	----	31	62 +	31
JAN18	----	----	3.040	- 0.064	----	31	62 +	31
FEB18	----	----	3.016	- 0.067	----	28	56 +	28
MAR18	----	----	2.804	- 0.060	----	31	62 +	31
APR18	----	----	2.357	- 0.046	----	30	60 +	30
MAY18	----	----	2.287	- 0.041	----	31	62 +	31
JUN18	----	----	2.293	- 0.040	----	30	60 +	30
TOTAL XR FUT						334	668 +	334
NR FUT	NORTHWEST ROCKIES BASIS FUTURE							

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FINAL

PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
AUG17	----	----	-0.3410	+	0.0110	----	165	2945	- 31
SEP17	----	----	-0.3430	+	0.0090	----	160	2850	- 30
OCT17	----	----	-0.3730	+	0.0120	----	165	2976	- 31
NOV17	----	----	-0.3350	+	0.0110	----	190	2850	UNCH
DEC17	----	----	-0.2090	+	0.0060	----	196	2852	UNCH
JAN18	----	----	-0.2060	+	0.0060	----	1	1798	UNCH
FEB18	----	----	-0.2140	+	0.0060	----	1	1624	UNCH
MAR18	----	----	-0.3740	+	0.0110	----	1	1798	UNCH
APR18	----	----	-0.4660	+	0.0100	----	1	1800	UNCH
MAY18	----	----	-0.5060	+	0.0110	----	1	1860	UNCH
JUN18	----	----	-0.5260	+	0.0110	----	1	1800	UNCH
JUL18	----	----	-0.4400	+	0.0110	----	1	2015	UNCH
AUG18	----	----	-0.4400	+	0.0110	----	1	2077	UNCH
SEP18	----	----	-0.4400	+	0.0110	----	1	2010	UNCH
OCT18	----	----	-0.4700	+	0.0110	----	1	1767	UNCH
NOV18	----	----	-0.3130	+	0.0080	----	1	1710	UNCH
DEC18	----	----	-0.1980	+	0.0060	----	1	1767	UNCH
JAN19	----	----	-0.2370	+	0.0060	----	----	1333	UNCH
FEB19	----	----	-0.2430	+	0.0070	----	----	1204	UNCH
MAR19	----	----	-0.3480	+	0.0090	----	----	1333	UNCH
APR19	----	----	-0.4510		UNCH	----	----	1320	UNCH
MAY19	----	----	-0.5030	-	0.0010	----	----	1364	UNCH
JUN19	----	----	-0.5170	-	0.0010	----	----	1320	UNCH
JUL19	----	----	-0.4600	-	0.0010	----	----	1364	UNCH
AUG19	----	----	-0.4600	-	0.0010	----	----	1364	UNCH
SEP19	----	----	-0.4640	-	0.0010	----	----	1320	UNCH
OCT19	----	----	-0.4750		UNCH	----	----	1364	UNCH
NOV19	----	----	-0.3170	+	0.0060	----	----	1170	UNCH
DEC19	----	----	-0.2140	+	0.0030	----	----	1209	UNCH
JAN20	----	----	-0.2240	+	0.0030	----	----	124	UNCH
FEB20	----	----	-0.2280	+	0.0030	----	----	116	UNCH
MAR20	----	----	-0.3270	+	0.0060	----	----	124	UNCH
APR20	----	----	-0.4390	+	0.0020	----	----	60	UNCH
MAY20	----	----	-0.4920	+	0.0020	----	----	62	UNCH
JUN20	----	----	-0.5040	+	0.0020	----	----	60	UNCH
JUL20	----	----	-0.4470	+	0.0020	----	----	62	UNCH
AUG20	----	----	-0.4470	+	0.0020	----	----	62	UNCH
SEP20	----	----	-0.4500	+	0.0020	----	----	60	UNCH
OCT20	----	----	-0.4620	+	0.0030	----	----	62	UNCH
NOV20	----	----	-0.3010	+	0.0040	----	----	60	UNCH
DEC20	----	----	-0.2050		UNCH	----	----	62	UNCH
TOTAL	NR FUT					888	53078	-	92
HP FUT									
NYMEX NATURAL GAS FUTURES									
AUG17	2.951	2.954 /2.881	2.899	-	0.071	7661	5911	30659	+ 2759
SEP17	2.882	2.885 /2.869	2.882	-	0.079	555	866	14896	- 215
OCT17	----	----	2.917	-	0.081	161	325	10670	- 161
NOV17	----	----	2.998	-	0.073	----	315	6707	+ 155
DEC17	----	----	3.153	-	0.069	----	217	9633	- 159
JAN18	----	----	3.246	-	0.070	----	548	7714	- 158
FEB18	----	----	3.230	-	0.073	----	101	6195	- 26
MAR18	----	----	3.178	-	0.071	----	148	11560	+ 48
APR18	----	----	2.823	-	0.056	----	88	7274	- 38
MAY18	----	----	2.793	-	0.052	----	88	2232	UNCH
JUN18	----	----	2.819	-	0.051	----	88	2109	UNCH
JUL18	----	----	2.844	-	0.051	----	88	2477	+ 25
AUG18	----	----	2.850	-	0.051	----	88	2515	UNCH
SEP18	----	----	2.828	-	0.050	----	88	2147	UNCH
OCT18	----	----	2.848	-	0.050	----	88	2297	UNCH
NOV18	----	----	2.897	-	0.050	----	120	1681	UNCH
DEC18	----	----	3.025	-	0.051	----	120	2051	UNCH
JAN19	----	----	3.108	-	0.052	----	97	1244	UNCH
FEB19	----	----	3.077	-	0.053	----	97	1231	UNCH
MAR19	----	----	3.003	-	0.053	----	97	2449	UNCH
APR19	----	----	2.648	-	0.037	----	148	1596	+ 70
MAY19	----	----	2.615	-	0.037	----	78	596	UNCH
JUN19	----	----	2.637	-	0.037	----	78	596	UNCH
JUL19	----	----	2.661	-	0.037	----	78	596	UNCH
AUG19	----	----	2.673	-	0.038	----	78	596	UNCH
SEP19	----	----	2.656	-	0.038	----	78	596	UNCH
OCT19	----	----	2.682	-	0.038	----	78	596	UNCH
NOV19	----	----	2.754	-	0.040	----	78	580	UNCH
DEC19	----	----	2.899	-	0.041	----	78	528	UNCH
JAN20	----	----	3.004	-	0.041	----	----	381	UNCH
FEB20	----	----	2.974	-	0.044	----	----	381	UNCH
MAR20	----	----	2.911	-	0.044	----	----	381	UNCH
APR20	----	----	2.596	-	0.044	----	----	293	UNCH
MAY20	----	----	2.578	-	0.044	----	----	293	UNCH
JUN20	----	----	2.608	-	0.044	----	----	293	UNCH
JUL20	----	----	2.640	-	0.044	----	----	293	UNCH
AUG20	----	----	2.661	-	0.044	----	----	293	UNCH
SEP20	----	----	2.660	-	0.044	----	----	293	UNCH
OCT20	----	----	2.687	-	0.044	----	----	293	UNCH
NOV20	----	----	2.762	-	0.044	----	----	293	UNCH
DEC20	----	----	2.909	-	0.044	----	----	293	UNCH
JAN21	----	----	3.016	-	0.046	----	----	395	UNCH
FEB21	----	----	2.986	-	0.049	----	----	395	UNCH
MAR21	----	----	2.923	-	0.048	----	----	395	UNCH
APR21	----	----	2.610	-	0.048	----	----	395	UNCH
MAY21	----	----	2.595	-	0.048	----	----	395	UNCH
JUN21	----	----	2.623	-	0.048	----	----	395	UNCH
JUL21	----	----	2.655	-	0.048	----	----	395	UNCH
AUG21	----	----	2.679	-	0.048	----	----	395	UNCH
SEP21	----	----	2.684	-	0.048	----	----	395	UNCH
OCT21	----	----	2.712	-	0.048	----	----	395	UNCH
NOV21	----	----	2.789	-	0.048	----	----	395	UNCH
DEC21	----	----	2.936	-	0.048	----	----	395	UNCH
JAN22	----	----	3.046	-	0.048	----	----	111	UNCH
FEB22	----	----	3.013	-	0.048	----	----	111	UNCH
MAR22	----	----	2.948	-	0.048	----	----	111	UNCH
APR22	----	----	2.635	-	0.048	----	----	111	UNCH
MAY22	----	----	2.623	-	0.048	----	----	111	UNCH
JUN22	----	----	2.651	-	0.048	----	----	111	UNCH
JUL22	----	----	2.683	-	0.048	----	----	111	UNCH
AUG22	----	----	2.711	-	0.048	----	----	111	UNCH
SEP22	----	----	2.716	-	0.048	----	----	111	UNCH
OCT22	----	----	2.748	-	0.048	----	----	111	UNCH
NOV22	----	----	2.825	-	0.048	----	----	111	UNCH
DEC22	----	----	2.974	-	0.047	----	----	111	UNCH

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FINAL

PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

		GLOBALX OPEN	GLOBALX HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBALX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
TOTAL	HP FUT				8377	10350	143873	+	2300
8X FUT		ONEOK OKLAHOMA NG BASIS							
AUG17		----	----	-0.5090 + 0.0020	----	----	95		UNCH
SEP17		----	----	-0.5280 - 0.0260	----	----	94		UNCH
OCT17		----	----	-0.5210 - 0.0200	----	----	31		UNCH
NOV17		----	----	-0.5060 - 0.0290	----	----	30		UNCH
DEC17		----	----	-0.4210 - 0.0260	----	----	31		UNCH
JAN18		----	----	-0.3780 - 0.0180	----	----	62		UNCH
FEB18		----	----	-0.3570 - 0.0140	----	----	56		UNCH
MAR18		----	----	-0.4370 - 0.0220	----	----	62		UNCH
APR18		----	----	-0.5520 - 0.0150	----	----	60		UNCH
MAY18		----	----	-0.5600 - 0.0160	----	----	62		UNCH
JUN18		----	----	-0.5770 - 0.0150	----	----	60		UNCH
JUL18		----	----	-0.5250 - 0.0160	----	----	62		UNCH
AUG18		----	----	-0.5250 - 0.0160	----	----	62		UNCH
SEP18		----	----	-0.5420 - 0.0150	----	----	60		UNCH
OCT18		----	----	-0.5650 - 0.0160	----	----	62		UNCH
NOV18		----	----	-0.4380 - 0.0010	----	----	60		UNCH
DEC18		----	----	-0.3740 UNCH	----	----	62		UNCH
TOTAL	8X FUT						1011		
PH FUT		PANHANDLE BASIS FUTURE							
AUG17		----	----	-0.3920 + 0.0040	----	297	2095	-	248
SEP17		----	----	-0.4060 + 0.0050	----	289	2029	-	240
OCT17		----	----	-0.4190 + 0.0040	----	309	2107	-	186
NOV17		----	----	-0.3780 + 0.0100	----	240	3574	-	60
DEC17		----	----	-0.3200 + 0.0050	----	247	1392	-	62
JAN18		----	----	-0.2880 + 0.0090	----	67	772	-	62
FEB18		----	----	-0.3010 + 0.0080	----	64	736	-	56
MAR18		----	----	-0.3610 + 0.0110	----	66	767	-	62
APR18		----	----	-0.4960 + 0.0010	----	55	730		UNCH
MAY18		----	----	-0.5060 + 0.0010	----	58	753		UNCH
JUN18		----	----	-0.5230 + 0.0020	----	55	730		UNCH
JUL18		----	----	-0.4810 + 0.0010	----	58	753		UNCH
AUG18		----	----	-0.4810 + 0.0010	----	59	753		UNCH
SEP18		----	----	-0.4980 + 0.0020	----	56	730		UNCH
OCT18		----	----	-0.5210 + 0.0010	----	59	753		UNCH
NOV18		----	----	-0.3550 + 0.0140	----	154	704	-	90
DEC18		----	----	-0.2990 + 0.0150	----	158	725	-	93
JAN19		----	----	-0.2850 + 0.0150	----	34	217	-	34
FEB19		----	----	-0.2920 + 0.0160	----	33	196	-	33
MAR19		----	----	-0.3330 + 0.0150	----	33	217	-	33
APR19		----	----	-0.4410 + 0.0230	----	27	360		UNCH
MAY19		----	----	-0.4910 + 0.0230	----	29	372		UNCH
JUN19		----	----	-0.4850 + 0.0230	----	27	360		UNCH
JUL19		----	----	-0.4160 + 0.0240	----	30	372		UNCH
AUG19		----	----	-0.4160 + 0.0240	----	30	372		UNCH
SEP19		----	----	-0.4720 + 0.0230	----	28	360		UNCH
OCT19		----	----	-0.4940 + 0.0230	----	30	372		UNCH
NOV19		----	----	-0.3300 - 0.0080	----	28	120		UNCH
DEC19		----	----	-0.2790 - 0.0090	----	30	124		UNCH
JAN20		----	----	-0.2720 - 0.0100	----	31	62		UNCH
FEB20		----	----	-0.2770 - 0.0090	----	27	58		UNCH
MAR20		----	----	-0.3180 - 0.0090	----	31	62		UNCH
APR20		----	----	-0.3840 + 0.0230	----	31	121		UNCH
MAY20		----	----	-0.4350 + 0.0230	----	31	124		UNCH
JUN20		----	----	-0.4290 + 0.0230	----	31	121		UNCH
JUL20		----	----	-0.3700 + 0.0230	----	30	123		UNCH
AUG20		----	----	-0.3700 + 0.0230	----	30	123		UNCH
SEP20		----	----	-0.4160 + 0.0230	----	30	120		UNCH
OCT20		----	----	-0.4380 + 0.0230	----	30	123		UNCH
NOV20		----	----	-0.3080 - 0.0080	----	30	30		UNCH
DEC20		----	----	-0.2580 - 0.0090	----	30	30		UNCH
APR21		----	----	-0.3380 + 0.0200	----	----	30		UNCH
MAY21		----	----	-0.3930 + 0.0200	----	----	31		UNCH
JUN21		----	----	-0.3830 + 0.0200	----	----	30		UNCH
JUL21		----	----	-0.3550 + 0.0210	----	----	31		UNCH
AUG21		----	----	-0.3540 + 0.0210	----	----	31		UNCH
SEP21		----	----	-0.3690 + 0.0210	----	----	30		UNCH
OCT21		----	----	-0.3960 + 0.0200	----	----	31		UNCH
TOTAL	PH FUT					3012	24856	-	1259
XH FUT		PANHANDLE PIPE							
AUG17		----	----	2.507 - 0.067	----	----	72		UNCH
SEP17		----	----	2.476 - 0.074	----	----	72		UNCH
OCT17		----	----	2.498 - 0.077	----	----	72		UNCH
NOV17		----	----	2.620 - 0.063	----	----	72		UNCH
DEC17		----	----	2.833 - 0.064	----	----	72		UNCH
JAN18		----	----	2.958 - 0.061	----	----	72		UNCH
FEB18		----	----	2.929 - 0.065	----	----	72		UNCH
MAR18		----	----	2.817 - 0.060	----	----	72		UNCH
APR18		----	----	2.327 - 0.055	----	----	72		UNCH
MAY18		----	----	2.287 - 0.051	----	----	72		UNCH
JUN18		----	----	2.296 - 0.049	----	----	72		UNCH
TOTAL	XH FUT						792		
PM FUT		PERMIAN BASIS							
AUG17		----	----	-0.3890 + 0.0050	----	124	1209		UNCH
SEP17		----	----	-0.4070 + 0.0050	----	120	1170		UNCH
OCT17		----	----	-0.4640 + 0.0050	----	124	1209		UNCH
NOV17		----	----	-0.4730 + 0.0130	----	210	300	-	120
DEC17		----	----	-0.4030 + 0.0130	----	217	310	-	124
JAN18		----	----	-0.4210 + 0.0170	----	----	558		UNCH
FEB18		----	----	-0.4240 + 0.0170	----	----	504		UNCH
MAR18		----	----	-0.5590 + 0.0170	----	----	558		UNCH
APR18		----	----	-0.6840 + 0.0070	----	----	420		UNCH
MAY18		----	----	-0.6940 + 0.0070	----	----	434		UNCH
JUN18		----	----	-0.6790 + 0.0070	----	----	420		UNCH
JUL18		----	----	-0.6270 - 0.0110	----	----	434		UNCH
AUG18		----	----	-0.5700 - 0.0120	----	----	434		UNCH
SEP18		----	----	-0.6170 - 0.0110	----	----	420		UNCH
OCT18		----	----	-0.6520 - 0.0110	----	----	434		UNCH
NOV18		----	----	-0.4650 + 0.0020	----	----	240		UNCH
DEC18		----	----	-0.3740 + 0.0010	----	----	248		UNCH
JAN19		----	----	-0.4210 + 0.0030	----	----	186		UNCH
FEB19		----	----	-0.4190 + 0.0030	----	----	168		UNCH
MAR19		----	----	-0.4950 + 0.0030	----	----	186		UNCH
APR19		----	----	-0.5480 + 0.0030	----	----	120		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	
PM FUT	PERMIAN BASIS							
MAY19	----	----	-0.5630	+ 0.0030	----	----	124	UNCH
JUN19	----	----	-0.5480	+ 0.0040	----	----	120	UNCH
JUL19	----	----	-0.5030	- 0.0060	----	----	124	UNCH
AUG19	----	----	-0.4570	- 0.0050	----	----	124	UNCH
SEP19	----	----	-0.4910	- 0.0060	----	----	120	UNCH
OCT19	----	----	-0.5260	- 0.0050	----	----	124	UNCH
NOV19	----	----	-0.3500	+ 0.0010	----	----	60	UNCH
DEC19	----	----	-0.2760	UNCH	----	----	62	UNCH
JAN20	----	----	-0.3740	+ 0.0010	----	----	279	UNCH
FEB20	----	----	-0.3690	+ 0.0010	----	----	261	UNCH
MAR20	----	----	-0.4400	+ 0.0020	----	----	279	UNCH
APR20	----	----	-0.4980	+ 0.0040	----	----	270	UNCH
MAY20	----	----	-0.5060	+ 0.0040	----	----	279	UNCH
JUN20	----	----	-0.4970	+ 0.0040	----	----	270	UNCH
JUL20	----	----	-0.4630	- 0.0060	----	----	279	UNCH
AUG20	----	----	-0.4150	- 0.0050	----	----	279	UNCH
SEP20	----	----	-0.4540	- 0.0050	----	----	270	UNCH
OCT20	----	----	-0.4810	- 0.0050	----	----	279	UNCH
NOV20	----	----	-0.3370	UNCH	----	----	270	UNCH
DEC20	----	----	-0.2790	UNCH	----	----	279	UNCH
TOTAL PM FUT						795	14114	- 244
NJ FUT	SAN JUAN BASIS							
AUG17	----	----	-0.3560	- 0.0110	----	279	1550	- 31
SEP17	----	----	-0.3730	- 0.0050	----	270	1500	- 30
OCT17	----	----	-0.4290	- 0.0060	----	279	1426	- 31
NOV17	----	----	-0.3630	+ 0.0090	----	240	780	- 210
DEC17	----	----	-0.2350	+ 0.0110	----	248	806	- 217
JAN18	----	----	-0.2390	+ 0.0140	----	124	1085	UNCH
FEB18	----	----	-0.2580	+ 0.0110	----	112	980	UNCH
MAR18	----	----	-0.4250	+ 0.0110	----	124	1147	UNCH
APR18	----	----	-0.5280	+ 0.0100	----	----	1020	UNCH
MAY18	----	----	-0.5450	+ 0.0100	----	----	1054	UNCH
JUN18	----	----	-0.5400	+ 0.0100	----	----	1020	UNCH
JUL18	----	----	-0.4850	- 0.0080	----	----	1054	UNCH
AUG18	----	----	-0.4290	- 0.0080	----	----	1054	UNCH
SEP18	----	----	-0.4820	- 0.0090	----	----	1020	UNCH
OCT18	----	----	-0.5080	- 0.0080	----	----	1302	UNCH
NOV18	----	----	-0.3480	+ 0.0010	----	----	900	UNCH
DEC18	----	----	-0.2510	+ 0.0020	----	----	930	UNCH
JAN19	----	----	-0.2820	+ 0.0030	----	----	186	UNCH
FEB19	----	----	-0.2910	+ 0.0040	----	----	168	UNCH
MAR19	----	----	-0.3780	+ 0.0030	----	----	186	UNCH
APR19	----	----	-0.5010	+ 0.0130	----	120	1170	UNCH
MAY19	----	----	-0.5170	+ 0.0130	----	124	1209	UNCH
JUN19	----	----	-0.5090	+ 0.0130	----	120	1170	UNCH
JUL19	----	----	-0.3930	+ 0.0040	----	----	713	UNCH
AUG19	----	----	-0.3520	+ 0.0040	----	----	713	UNCH
SEP19	----	----	-0.3870	+ 0.0040	----	----	690	UNCH
OCT19	----	----	-0.4740	+ 0.0050	----	----	713	UNCH
NOV19	----	----	-0.3030	+ 0.0010	----	----	180	UNCH
DEC19	----	----	-0.2030	+ 0.0010	----	----	186	UNCH
APR20	----	----	-0.4380	+ 0.0120	----	----	60	UNCH
MAY20	----	----	-0.4520	+ 0.0120	----	----	62	UNCH
JUN20	----	----	-0.4460	+ 0.0120	----	----	60	UNCH
JUL20	----	----	-0.4150	+ 0.0030	----	----	62	UNCH
AUG20	----	----	-0.3700	+ 0.0040	----	----	62	UNCH
SEP20	----	----	-0.4060	+ 0.0040	----	----	60	UNCH
OCT20	----	----	-0.4310	+ 0.0040	----	----	62	UNCH
TOTAL NJ FUT						2040	26340	- 519
SZ FUT	SONAT BASIS FUTURE							
AUG17	----	----	-0.0740	+ 0.0010	----	----	62	UNCH
SEP17	----	----	-0.0720	+ 0.0020	----	----	60	UNCH
OCT17	----	----	-0.0840	+ 0.0010	----	----	62	UNCH
NOV17	----	----	-0.0850	+ 0.0010	----	----	60	UNCH
DEC17	----	----	-0.0820	+ 0.0010	----	----	62	UNCH
TOTAL SZ FUT							306	
8Z FUT	SOUTH STAR TEX OKLHM KNS NG B							
AUG17	----	----	-0.4040	+ 0.0080	----	----	16	UNCH
SEP17	----	----	-0.4190	+ 0.0050	----	----	16	UNCH
OCT17	----	----	-0.3990	+ 0.0080	----	----	16	UNCH
NOV17	----	----	-0.3650	+ 0.0070	----	----	16	UNCH
DEC17	----	----	-0.3120	+ 0.0080	----	----	16	UNCH
JAN18	----	----	-0.2900	+ 0.0070	----	----	10	UNCH
FEB18	----	----	-0.2850	+ 0.0070	----	----	10	UNCH
MAR18	----	----	-0.3620	+ 0.0080	----	----	10	UNCH
APR18	----	----	-0.4680	+ 0.0060	----	----	10	UNCH
MAY18	----	----	-0.4760	+ 0.0050	----	----	10	UNCH
JUN18	----	----	-0.4930	+ 0.0060	----	----	10	UNCH
JUL18	----	----	-0.4480	+ 0.0060	----	----	10	UNCH
AUG18	----	----	-0.4480	+ 0.0060	----	----	10	UNCH
SEP18	----	----	-0.4660	+ 0.0050	----	----	10	UNCH
OCT18	----	----	-0.4880	+ 0.0060	----	----	10	UNCH
NOV18	----	----	-0.3300	+ 0.0020	----	----	10	UNCH
DEC18	----	----	-0.2870	+ 0.0030	----	----	10	UNCH
TOTAL 8Z FUT							200	
NK FUT	SUMAS BASIS							
AUG17	----	----	-0.5620	+ 0.1000	----	----	620	UNCH
SEP17	----	----	-0.5900	+ 0.0500	----	----	510	UNCH
OCT17	----	----	-0.6130	+ 0.0630	----	----	196	UNCH
NOV17	----	----	-0.3450	+ 0.0220	----	60	514	UNCH
DEC17	----	----	0.0300	+ 0.0250	----	62	623	UNCH
JAN18	----	----	-0.1120	+ 0.0160	----	62	623	UNCH
FEB18	----	----	-0.3290	+ 0.0170	----	56	454	UNCH
MAR18	----	----	-0.5810	+ 0.0170	----	62	261	UNCH
APR18	----	----	-0.9830	+ 0.0060	----	----	165	UNCH
MAY18	----	----	-0.9330	+ 0.0120	----	----	165	UNCH
JUN18	----	----	-0.9680	+ 0.0090	----	----	120	UNCH
JUL18	----	----	-0.7440	+ 0.0090	----	----	279	UNCH
AUG18	----	----	-0.7610	+ 0.0090	----	----	279	UNCH
SEP18	----	----	-0.7390	+ 0.0090	----	----	270	UNCH
OCT18	----	----	-0.7460	+ 0.0100	----	----	124	UNCH
NOV18	----	----	-0.3120	- 0.0050	----	----	210	UNCH
DEC18	----	----	0.0000	- 0.0070	----	----	279	UNCH

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	GLOBEX OPEN	GLOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
NK FUT	SUMAS BASIS							
JAN19	----	----	-0.1910	- 0.0110	----	----	372	UNCH
FEB19	----	----	-0.4160	- 0.0080	----	----	308	UNCH
MAR19	----	----	-0.5470	- 0.0070	----	----	341	UNCH
APR19	----	----	-0.9990	+ 0.0020	----	----	120	UNCH
MAY19	----	----	-0.9740	+ 0.0050	----	----	124	UNCH
JUN19	----	----	-0.9950	+ 0.0040	----	----	120	UNCH
JUL19	----	----	-0.7990	+ 0.0040	----	----	124	UNCH
AUG19	----	----	-0.8070	+ 0.0040	----	----	124	UNCH
SEP19	----	----	-0.7800	+ 0.0050	----	----	120	UNCH
OCT19	----	----	-0.7740	+ 0.0050	----	----	124	UNCH
NOV19	----	----	-0.3640	+ 0.0010	----	----	180	UNCH
DEC19	----	----	-0.0580	UNCH	----	----	186	UNCH
JAN20	----	----	-0.2260	- 0.0040	----	----	124	UNCH
FEB20	----	----	-0.3580	- 0.0030	----	----	116	UNCH
MAR20	----	----	-0.4840	- 0.0020	----	----	124	UNCH
TOTAL NK FUT						302	8299	
DVS FUT	SUMAS NAT GAS PLATTS FIXED PRICE							
AUG17	----	----	2.3370	+ 0.0290	----	62	124 +	62
SEP17	----	----	2.2920	- 0.0290	----	60	120 +	60
OCT17	----	----	2.3040	- 0.0180	----	62	124 +	62
NOV17	----	----	2.6530	- 0.0510	----	60	120 +	60
DEC17	----	----	3.1830	- 0.0440	----	62	124 +	62
TOTAL DVS FUT						306	612 +	306
TC FUT	TCO BASIS							
AUG17	----	----	-0.1760	+ 0.0010	----	31	1636	UNCH
SEP17	----	----	-0.1960	+ 0.0020	----	30	1314	UNCH
OCT17	----	----	-0.1970	+ 0.0010	----	31	1357	UNCH
NOV17	----	----	-0.2050	- 0.0020	----	----	2064	UNCH
DEC17	----	----	-0.2040	- 0.0010	----	----	2132	UNCH
JAN18	----	----	-0.2170	+ 0.0010	----	31	1209	UNCH
FEB18	----	----	-0.2020	+ 0.0020	----	28	1092	UNCH
MAR18	----	----	-0.2050	- 0.0010	----	31	1209	UNCH
APR18	----	----	-0.1680	+ 0.0060	----	90	420	UNCH
MAY18	----	----	-0.1880	+ 0.0060	----	93	434	UNCH
JUN18	----	----	-0.2230	+ 0.0060	----	90	360	UNCH
JUL18	----	----	-0.2410	+ 0.0060	----	93	434	UNCH
AUG18	----	----	-0.2930	+ 0.0060	----	93	434	UNCH
SEP18	----	----	-0.3560	+ 0.0060	----	90	420	UNCH
OCT18	----	----	-0.3030	+ 0.0060	----	93	434	UNCH
NOV18	----	----	-0.3060	- 0.0010	----	----	390	UNCH
DEC18	----	----	-0.3050	UNCH	----	----	403	UNCH
JAN19	----	----	-0.2630	- 0.0010	----	----	310	UNCH
FEB19	----	----	-0.2870	- 0.0010	----	----	280	UNCH
MAR19	----	----	-0.2810	- 0.0010	----	----	310	UNCH
APR19	----	----	-0.2770	+ 0.0030	----	----	360	UNCH
MAY19	----	----	-0.2910	+ 0.0030	----	----	372	UNCH
JUN19	----	----	-0.3380	+ 0.0030	----	----	360	UNCH
JUL19	----	----	-0.3750	+ 0.0020	----	----	372	UNCH
AUG19	----	----	-0.4250	+ 0.0030	----	----	372	UNCH
SEP19	----	----	-0.4870	+ 0.0020	----	----	360	UNCH
OCT19	----	----	-0.4320	+ 0.0030	----	----	372	UNCH
NOV19	----	----	-0.3340	- 0.0010	----	----	120	UNCH
DEC19	----	----	-0.3550	UNCH	----	----	124	UNCH
JAN20	----	----	-0.3250	- 0.0010	----	----	124	UNCH
FEB20	----	----	-0.3280	UNCH	----	----	116	UNCH
MAR20	----	----	-0.3130	- 0.0010	----	----	124	UNCH
TOTAL TC FUT						824	19818	
NM FUT	TENNESSEE 500 LEG BASIS							
AUG17	----	----	-0.0870	+ 0.0020	----	----	62	UNCH
SEP17	----	----	-0.0950	+ 0.0010	----	----	60	UNCH
OCT17	----	----	-0.1000	+ 0.0010	----	----	62	UNCH
TOTAL NM FUT							184	
6Z FUT	TENNESSEE 800 LEG NG BASIS							
AUG17	----	----	-0.0820	+ 0.0040	----	----	62	UNCH
SEP17	----	----	-0.0810	+ 0.0020	----	----	60	UNCH
OCT17	----	----	-0.1060	+ 0.0020	----	----	62	UNCH
TOTAL 6Z FUT							184	
NQ FUT	TENNESSEE ZONE 0 BASIS							
AUG17	----	----	-0.1710	+ 0.0070	----	----	62	UNCH
SEP17	----	----	-0.2030	+ 0.0090	----	----	60	UNCH
OCT17	----	----	-0.1900	+ 0.0030	----	----	62	UNCH
NOV17	----	----	-0.2060	+ 0.0100	----	----	120	UNCH
DEC17	----	----	-0.1760	+ 0.0050	----	----	124	UNCH
JAN18	----	----	-0.1960	+ 0.0080	----	----	124	UNCH
FEB18	----	----	-0.1890	+ 0.0070	----	----	112	UNCH
MAR18	----	----	-0.1710	+ 0.0100	----	----	124	UNCH
TOTAL NQ FUT							788	
IX FUT	TETCO M-3 INDEX							
JUL17	----	----	0.1770	- 0.0370	----	----	868	UNCH
AUG17	----	----	-0.0050	UNCH	----	----	868	UNCH
SEP17	----	----	-0.0050	UNCH	----	----	840	UNCH
OCT17	----	----	-0.0050	UNCH	----	----	868	UNCH
TOTAL IX FUT							3444	
TX FUT	TETCO STX BASIS							
AUG17	----	----	-0.0680	+ 0.0210	----	----	93	UNCH
SEP17	----	----	-0.0820	+ 0.0040	----	----	90	UNCH
OCT17	----	----	-0.1110	+ 0.0010	----	----	93	UNCH
NOV17	----	----	-0.0890	+ 0.0080	----	----	90	UNCH
DEC17	----	----	-0.1260	+ 0.0050	----	----	93	UNCH
JAN18	----	----	-0.1290	+ 0.0070	----	----	62	UNCH
FEB18	----	----	-0.1310	+ 0.0080	----	----	56	UNCH
MAR18	----	----	-0.1110	+ 0.0100	----	----	62	UNCH
APR18	----	----	-0.0300	+ 0.0040	----	----	60	UNCH
MAY18	----	----	-0.0460	- 0.0020	----	----	62	UNCH
JUN18	----	----	-0.0460	- 0.0020	----	----	60	UNCH
JUL18	----	----	-0.0140	UNCH	----	----	62	UNCH
AUG18	----	----	-0.0150	UNCH	----	----	62	UNCH
SEP18	----	----	-0.0210	UNCH	----	----	60	UNCH
OCT18	----	----	-0.0190	+ 0.0010	----	----	62	UNCH
NOV18	----	----	-0.0830	+ 0.0030	----	----	60	UNCH

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TX FUT	GLOBALX OPEN	GLOBALX HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBALX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
TETCO STX BASIS								
DEC18	----	----	-0.1070	+ 0.0030	----	----	62	UNCH
TOTAL TX FUT							1189	
TEXAS EASTERN ZONE M-3 BASIS								
AUG17	----	----	-1.0600	- 0.0520	----	----	2108	UNCH
SEP17	----	----	-1.1460	- 0.0300	----	----	1860	UNCH
OCT17	----	----	-1.0310	- 0.0430	----	----	1922	UNCH
NOV17	----	----	-0.4680	- 0.0430	----	90	390	- 30
DEC17	----	----	0.2950	+ 0.0100	----	93	403	- 31
JAN18	----	----	2.1210	- 0.0050	----	93	341	UNCH
FEB18	----	----	2.0020	- 0.0040	----	84	308	UNCH
MAR18	----	----	0.1270	+ 0.0060	----	93	341	UNCH
APR18	----	----	-0.2920	+ 0.0010	----	----	300	UNCH
MAY18	----	----	-0.3920	+ 0.0030	----	----	310	UNCH
JUN18	----	----	-0.4020	+ 0.0010	----	----	300	UNCH
JUL18	----	----	-0.3500	UNCH	----	----	310	UNCH
AUG18	----	----	-0.3550	UNCH	----	----	310	UNCH
SEP18	----	----	-0.5150	- 0.0010	----	----	300	UNCH
OCT18	----	----	-0.4420	+ 0.0020	----	----	310	UNCH
NOV18	----	----	-0.3910	- 0.0230	----	----	270	UNCH
DEC18	----	----	0.1740	+ 0.0030	----	----	279	UNCH
JAN19	----	----	2.0490	- 0.0060	----	----	341	UNCH
FEB19	----	----	1.9420	- 0.0050	----	----	308	UNCH
MAR19	----	----	0.0480	- 0.0020	----	----	341	UNCH
APR19	----	----	-0.3020	+ 0.0030	----	----	60	UNCH
MAY19	----	----	-0.4290	+ 0.0040	----	----	62	UNCH
JUN19	----	----	-0.4360	+ 0.0030	----	----	60	UNCH
JUL19	----	----	-0.2860	+ 0.0020	----	----	62	UNCH
AUG19	----	----	-0.3240	+ 0.0030	----	----	62	UNCH
SEP19	----	----	-0.5940	+ 0.0020	----	----	60	UNCH
OCT19	----	----	-0.5490	+ 0.0040	----	----	62	UNCH
NOV19	----	----	-0.4270	- 0.0240	----	----	60	UNCH
DEC19	----	----	0.1360	+ 0.0020	----	----	62	UNCH
JAN20	----	----	1.9240	- 0.0080	----	----	124	UNCH
FEB20	----	----	1.8580	- 0.0070	----	----	116	UNCH
MAR20	----	----	0.0350	- 0.0020	----	----	124	UNCH
APR20	----	----	-0.3670	+ 0.0030	----	----	90	UNCH
MAY20	----	----	-0.4900	+ 0.0040	----	----	93	UNCH
JUN20	----	----	-0.4960	+ 0.0030	----	----	90	UNCH
JUL20	----	----	-0.3490	+ 0.0030	----	----	93	UNCH
AUG20	----	----	-0.3870	+ 0.0030	----	----	93	UNCH
SEP20	----	----	-0.6660	+ 0.0030	----	----	90	UNCH
OCT20	----	----	-0.5860	+ 0.0040	----	----	93	UNCH
NOV20	----	----	-0.4010	- 0.0190	----	----	60	UNCH
DEC20	----	----	0.1830	+ 0.0070	----	----	62	UNCH
TOTAL NX FUT						453	13030	- 61
TEXAS GAS ZONE1 NG BASIS								
AUG17	----	----	-0.1240	+ 0.0110	----	----	688	UNCH
SEP17	----	----	-0.2140	+ 0.0040	----	----	676	UNCH
OCT17	----	----	-0.2290	+ 0.0010	----	----	688	UNCH
NOV17	----	----	-0.1340	- 0.0040	----	----	676	UNCH
DEC17	----	----	-0.1820	- 0.0100	----	----	688	UNCH
JAN18	----	----	-0.2050	- 0.0070	----	----	484	UNCH
FEB18	----	----	-0.1970	- 0.0070	----	----	468	UNCH
MAR18	----	----	-0.1870	- 0.0050	----	----	484	UNCH
APR18	----	----	-0.1600	+ 0.0070	----	----	476	UNCH
MAY18	----	----	-0.1500	UNCH	----	----	484	UNCH
JUN18	----	----	-0.1450	UNCH	----	----	476	UNCH
JUL18	----	----	-0.1580	+ 0.0020	----	----	484	UNCH
AUG18	----	----	-0.1580	+ 0.0020	----	----	484	UNCH
SEP18	----	----	-0.1630	+ 0.0020	----	----	476	UNCH
OCT18	----	----	-0.1780	+ 0.0050	----	----	484	UNCH
NOV18	----	----	-0.1030	UNCH	----	----	476	UNCH
DEC18	----	----	-0.1500	- 0.0050	----	----	484	UNCH
TOTAL 9F FUT							9176	
TRANSCO ZONE 3 BASIS								
AUG17	----	----	-0.0520	- 0.0010	----	----	341	UNCH
SEP17	----	----	-0.0520	- 0.0030	----	----	330	UNCH
OCT17	----	----	-0.0550	- 0.0030	----	----	341	UNCH
NOV17	----	----	-0.0490	+ 0.0040	----	----	390	UNCH
DEC17	----	----	-0.0390	+ 0.0030	----	----	403	UNCH
JAN18	----	----	-0.0510	+ 0.0040	----	----	341	UNCH
FEB18	----	----	-0.0460	+ 0.0040	----	----	308	UNCH
MAR18	----	----	-0.0490	+ 0.0040	----	----	341	UNCH
APR18	----	----	-0.0480	+ 0.0060	----	----	270	UNCH
MAY18	----	----	-0.0450	+ 0.0070	----	----	279	UNCH
JUN18	----	----	-0.0450	+ 0.0070	----	----	270	UNCH
JUL18	----	----	-0.0430	+ 0.0060	----	----	279	UNCH
AUG18	----	----	-0.0430	+ 0.0060	----	----	279	UNCH
SEP18	----	----	-0.0450	+ 0.0070	----	----	270	UNCH
OCT18	----	----	-0.0480	+ 0.0060	----	----	279	UNCH
NOV18	----	----	-0.0400	+ 0.0060	----	----	270	UNCH
DEC18	----	----	-0.0280	+ 0.0060	----	----	279	UNCH
TOTAL CZ FUT							5270	
TRANSCO ZONE 3 NG INDEX								
JUL17	----	----	-0.0970	- 0.0130	----	----	1054	UNCH
AUG17	----	----	0.0000	UNCH	----	----	1054	UNCH
SEP17	----	----	0.0000	UNCH	----	----	1020	UNCH
OCT17	----	----	0.0000	UNCH	----	----	1054	UNCH
TOTAL Y6 FUT							4182	
TRANSCO ZONE 6 BASIS								
AUG17	----	----	-0.5760	- 0.0700	----	----	806	UNCH
SEP17	----	----	-0.7320	- 0.0800	----	----	780	UNCH
OCT17	----	----	-0.5530	- 0.0540	----	----	806	UNCH
NOV17	----	----	0.1450	+ 0.0020	----	----	90	UNCH
DEC17	----	----	1.6190	+ 0.0030	----	----	93	UNCH
JAN18	----	----	5.0650	- 0.0060	----	----	93	UNCH
FEB18	----	----	4.9940	- 0.0030	----	----	84	UNCH
MAR18	----	----	0.5390	- 0.0240	----	----	93	UNCH
APR18	----	----	-0.1560	+ 0.0040	----	----	270	UNCH
MAY18	----	----	-0.2830	+ 0.0010	----	----	279	UNCH
JUN18	----	----	-0.2720	+ 0.0030	----	----	270	UNCH
JUL18	----	----	-0.0600	+ 0.0050	----	----	279	UNCH

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ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
NZ FUT TRANSCO ZONE 6 BASIS								
AUG18	----	----	-0.1110	+ 0.0040	----	----	279	UNCH
SEP18	----	----	-0.4190	- 0.0010	----	----	270	UNCH
OCT18	----	----	-0.3280	+ 0.0020	----	----	279	UNCH
NOV18	----	----	0.1200	+ 0.0240	----	----	60	UNCH
DEC18	----	----	1.5040	+ 0.0330	----	----	62	UNCH
JAN19	----	----	4.6990	+ 0.0360	----	----	62	UNCH
FEB19	----	----	4.6140	+ 0.0360	----	----	56	UNCH
MAR19	----	----	0.5250	+ 0.0210	----	----	62	UNCH
TOTAL NZ FUT							5073	
TZI FUT TRANSCO ZONE 6 GAS INDEX								
JUL17	----	----	0.1900	+ 0.0330	----	----	124	UNCH
AUG17	----	----	0.0000	UNCH	----	----	124	UNCH
SEP17	----	----	0.0200	UNCH	----	----	120	UNCH
OCT17	----	----	0.0200	UNCH	----	----	124	UNCH
TOTAL TZI FUT							492	
IT FUT TRANSCO ZONE 6 INDEX								
JUL17	----	----	0.1930	+ 0.0090	----	----	248	UNCH
AUG17	----	----	-0.0050	UNCH	----	----	248	UNCH
SEP17	----	----	-0.0050	UNCH	----	----	240	UNCH
OCT17	----	----	-0.0050	UNCH	----	----	248	UNCH
TOTAL IT FUT							984	
TZ6 FUT TRANSCO ZONE 6 NON NY BASIS								
AUG17	----	----	-0.5190	- 0.0170	----	----	744	UNCH
SEP17	----	----	-0.6900	- 0.0460	----	----	720	UNCH
OCT17	----	----	-0.5140	UNCH	----	----	744	UNCH
NOV17	----	----	0.0190	- 0.0030	----	----	240	UNCH
DEC17	----	----	0.6490	+ 0.0140	----	----	248	UNCH
JAN18	----	----	2.7300	- 0.0070	----	----	403	UNCH
FEB18	----	----	2.6890	- 0.0070	----	----	364	UNCH
MAR18	----	----	0.3870	+ 0.0170	----	----	403	UNCH
APR18	----	----	-0.1630	+ 0.0100	----	----	300	UNCH
MAY18	----	----	-0.2840	+ 0.0110	----	----	310	UNCH
JUN18	----	----	-0.2890	+ 0.0110	----	----	300	UNCH
JUL18	----	----	-0.0600	+ 0.0110	----	----	310	UNCH
AUG18	----	----	-0.0800	+ 0.0090	----	----	310	UNCH
SEP18	----	----	-0.4110	+ 0.0100	----	----	300	UNCH
OCT18	----	----	-0.3260	+ 0.0120	----	----	310	UNCH
NOV18	----	----	-0.1910	+ 0.0240	----	----	240	UNCH
DEC18	----	----	0.2880	+ 0.0460	----	----	248	UNCH
JAN19	----	----	2.3420	+ 0.0550	----	----	217	UNCH
FEB19	----	----	2.3160	+ 0.0540	----	----	196	UNCH
MAR19	----	----	0.0840	+ 0.0450	----	----	217	UNCH
APR19	----	----	-0.1980	+ 0.0080	----	----	210	UNCH
MAY19	----	----	-0.4090	+ 0.0070	----	----	217	UNCH
JUN19	----	----	-0.3930	+ 0.0070	----	----	210	UNCH
JUL19	----	----	-0.1710	+ 0.0080	----	----	217	UNCH
AUG19	----	----	-0.1890	+ 0.0060	----	----	217	UNCH
SEP19	----	----	-0.4640	+ 0.0070	----	----	210	UNCH
OCT19	----	----	-0.4330	+ 0.0070	----	----	217	UNCH
NOV19	----	----	-0.3220	+ 0.0090	----	----	210	UNCH
DEC19	----	----	0.1500	+ 0.0300	----	----	217	UNCH
TOTAL TZ6 FUT							9049	
TR FUT TRANSCO ZONE4 BASIS								
AUG17	----	----	-0.0580	- 0.0020	----	123	1488	- 123
SEP17	----	----	-0.0440	UNCH	----	123	1440	- 123
OCT17	----	----	-0.0490	UNCH	----	121	1488	- 121
NOV17	----	----	-0.0420	UNCH	----	121	841	UNCH
DEC17	----	----	-0.0390	- 0.0020	----	119	863	UNCH
JAN18	----	----	-0.0570	UNCH	----	149	961	UNCH
FEB18	----	----	-0.0390	+ 0.0010	----	149	868	UNCH
MAR18	----	----	-0.0420	UNCH	----	148	961	UNCH
APR18	----	----	-0.0340	UNCH	----	147	390	- 120
MAY18	----	----	-0.0440	UNCH	----	146	403	- 124
JUN18	----	----	-0.0610	UNCH	----	145	390	- 120
JUL18	----	----	-0.0560	UNCH	----	145	403	- 124
AUG18	----	----	-0.0540	UNCH	----	144	403	- 124
SEP18	----	----	-0.0560	UNCH	----	143	390	- 120
OCT18	----	----	-0.0510	UNCH	----	142	403	- 124
NOV18	----	----	-0.0530	UNCH	----	142	330	UNCH
DEC18	----	----	-0.0400	UNCH	----	141	341	UNCH
JAN19	----	----	-0.0380	UNCH	----	140	140	UNCH
FEB19	----	----	-0.0500	UNCH	----	139	139	UNCH
MAR19	----	----	-0.0430	UNCH	----	139	139	UNCH
APR19	----	----	-0.0210	UNCH	----	138	138	UNCH
MAY19	----	----	-0.0340	UNCH	----	137	137	UNCH
JUN19	----	----	-0.0490	UNCH	----	136	136	UNCH
JUL19	----	----	-0.0490	UNCH	----	136	136	UNCH
AUG19	----	----	-0.0460	UNCH	----	135	135	UNCH
SEP19	----	----	-0.0460	UNCH	----	134	134	UNCH
OCT19	----	----	-0.0440	UNCH	----	134	134	UNCH
NOV19	----	----	-0.0290	UNCH	----	133	133	UNCH
DEC19	----	----	-0.0160	UNCH	----	132	132	UNCH
JAN20	----	----	-0.0290	UNCH	----	132	132	UNCH
FEB20	----	----	-0.0340	UNCH	----	131	131	UNCH
MAR20	----	----	-0.0290	UNCH	----	130	130	UNCH
APR20	----	----	-0.0050	UNCH	----	130	130	UNCH
MAY20	----	----	-0.0150	UNCH	----	129	129	UNCH
JUN20	----	----	-0.0320	UNCH	----	129	129	UNCH
JUL20	----	----	-0.0300	UNCH	----	128	128	UNCH
AUG20	----	----	-0.0280	UNCH	----	127	127	UNCH
SEP20	----	----	-0.0300	UNCH	----	127	127	UNCH
OCT20	----	----	-0.0250	UNCH	----	126	126	UNCH
NOV20	----	----	-0.0320	UNCH	----	125	125	UNCH
DEC20	----	----	-0.0200	UNCH	----	125	125	UNCH
TOTAL TR FUT						5520	15535	- 1223
NW FUT WAHA BASIS								
AUG17	----	----	-0.2920	UNCH	----	4	651	- 4
SEP17	----	----	-0.3270	+ 0.0020	----	4	630	- 4
OCT17	----	----	-0.4080	+ 0.0030	----	6	651	- 6
NOV17	----	----	-0.4310	+ 0.0110	----	3	540	- 3
DEC17	----	----	-0.3840	+ 0.0140	----	3	558	- 3
JAN18	----	----	-0.3890	+ 0.0130	----	35	217	- 35

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	WABA BASIS	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST
NW FUT						
FEB18	----	----	-0.4130 + 0.0090	----	33	196 - 33
MAR18	----	----	-0.4740 + 0.0110	----	36	217 - 36
APR18	----	----	-0.5870 + 0.0040	----	25	210 UNCH
MAY18	----	----	-0.5740 + 0.0050	----	27	217 UNCH
JUN18	----	----	-0.5740 + 0.0050	----	25	210 UNCH
JUL18	----	----	-0.4960 + 0.0050	----	26	217 UNCH
AUG18	----	----	-0.4660 + 0.0050	----	26	217 UNCH
SEP18	----	----	-0.4760 + 0.0050	----	26	210 UNCH
OCT18	----	----	-0.5270 + 0.0040	----	25	217 UNCH
NOV18	----	----	-0.4140 - 0.0010	----	57	240 UNCH
DEC18	----	----	-0.3880 - 0.0020	----	59	248 UNCH
JAN19	----	----	-0.3970 - 0.0010	----	57	186 UNCH
FEB19	----	----	-0.4050 - 0.0020	----	51	168 UNCH
MAR19	----	----	-0.4430 - 0.0010	----	57	186 UNCH
APR19	----	----	-0.5010 - 0.0040	----	35	120 - 35
MAY19	----	----	-0.5010 - 0.0030	----	35	124 - 35
JUN19	----	----	-0.4970 - 0.0030	----	35	120 - 35
JUL19	----	----	-0.4400 - 0.0030	----	36	124 - 36
AUG19	----	----	-0.4080 - 0.0030	----	36	98 UNCH
SEP19	----	----	-0.4240 - 0.0030	----	34	94 UNCH
OCT19	----	----	-0.4660 - 0.0040	----	37	99 UNCH
NOV19	----	----	-0.3660 - 0.0030	----	33	63 UNCH
DEC19	----	----	-0.3080 - 0.0030	----	35	66 UNCH
JAN20	----	----	-0.3610 - 0.0020	----	36	67 UNCH
FEB20	----	----	-0.3660 - 0.0050	----	33	62 UNCH
MAR20	----	----	-0.3980 - 0.0020	----	36	67 UNCH
APR20	----	----	-0.4120 - 0.0020	----	36	66 UNCH
MAY20	----	----	-0.4100 - 0.0010	----	36	67 UNCH
JUN20	----	----	-0.4060 UNCH	----	35	65 UNCH
JUL20	----	----	-0.3640 UNCH	----	36	67 UNCH
AUG20	----	----	-0.3320 UNCH	----	36	67 UNCH
SEP20	----	----	-0.3480 UNCH	----	35	65 UNCH
OCT20	----	----	-0.3850 UNCH	----	----	31 UNCH
NOV20	----	----	-0.3140 + 0.0030	----	----	30 UNCH
DEC20	----	----	-0.2670 + 0.0030	----	----	31 UNCH
TOTAL NW FUT					1220	7779 - 265

PETROLEUM FUTURES PRODUCTS

	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST
1W FUT	1% FUEL OIL (PLT) CARG CIF MED				
JUL17	----	288.162 + 0.838	----	----	4 UNCH
AUG17	----	293.161 + 3.466	----	----	4 UNCH
SEP17	----	295.235 + 2.884	----	----	3 UNCH
OCT17	----	297.870 + 3.217	----	----	3 UNCH
NOV17	----	300.485 + 3.259	----	----	3 UNCH
DEC17	----	301.630 + 3.268	----	----	3 UNCH
TOTAL 1W FUT					20
33 FUT	1% FUEL OIL RDM VS 1% OIL NWE PLTS				
JUL17	----	-2.536 + 0.095	----	----	12 UNCH
AUG17	----	-3.688 - 0.001	----	----	12 UNCH
SEP17	----	-3.563 - 0.001	----	----	12 UNCH
OCT17	----	-3.666 UNCH	----	----	12 UNCH
NOV17	----	-3.084 - 0.001	----	----	12 UNCH
DEC17	----	-3.083 UNCH	----	----	12 UNCH
TOTAL 33 FUT					72
BOB FUT	3.5% FUEL OIL (PLATTS) FOB RDA				
JUL17	----	-4.562 + 0.009	----	----	539 UNCH
AUG17	----	-4.722 + 0.007	----	14	600 UNCH
SEP17	----	-5.295 + 0.024	----	14	418 UNCH
OCT17	----	-5.867 + 0.047	----	11	628 UNCH
NOV17	----	-6.404 + 0.073	----	11	633 UNCH
DEC17	----	-6.967 + 0.074	----	16	669 UNCH
JAN18	----	-6.916 + 0.084	----	----	102 UNCH
FEB18	----	-6.962 + 0.069	----	----	102 UNCH
MAR18	----	-6.991 + 0.060	----	----	102 UNCH
APR18	----	-7.033 + 0.060	----	----	106 UNCH
MAY18	----	-7.103 + 0.060	----	----	106 UNCH
JUN18	----	-7.191 + 0.065	----	----	106 UNCH
JUL18	----	-7.262 + 0.064	----	----	62 UNCH
AUG18	----	-7.372 + 0.074	----	----	62 UNCH
SEP18	----	-7.502 + 0.075	----	----	62 UNCH
OCT18	----	-7.651 + 0.074	----	----	99 UNCH
NOV18	----	-7.850 + 0.075	----	----	99 UNCH
DEC18	----	-8.215 + 0.063	----	----	99 UNCH
JAN19	----	-8.190 + 0.055	----	1	10 UNCH
FEB19	----	-8.310 + 0.043	----	1	10 UNCH
MAR19	----	-8.398 + 0.035	----	1	10 UNCH
APR19	----	-8.512 + 0.033	----	1	8 UNCH
MAY19	----	-8.768 + 0.004	----	1	8 UNCH
JUN19	----	-9.056 - 0.005	----	1	8 UNCH
JUL19	----	-9.392 + 0.034	----	1	8 UNCH
AUG19	----	-9.834 + 0.025	----	1	8 UNCH

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BOB FUT	3.5% FUEL OIL (PLATTS) FOB RDA							
SEP19	----	----	-10.356 + 0.014		----	1	8	UNCH
OCT19	----	----	-11.216 + 0.014		----	1	20	UNCH
NOV19	----	----	-12.381 + 0.004		----	1	20	UNCH
DEC19	----	----	-13.579 - 0.006		----	1	20	UNCH
JAN20	----	----	-14.441 + 0.013		----	1	25	UNCH
FEB20	----	----	-14.365 + 0.014		----	1	25	UNCH
MAR20	----	----	-14.307 + 0.003		----	1	25	UNCH
APR20	----	----	-14.259 - 0.026		----	1	25	UNCH
MAY20	----	----	-14.231 - 0.036		----	1	25	UNCH
JUN20	----	----	-14.213 - 0.036		----	1	25	UNCH
JUL20	----	----	-14.214 - 0.016		----	1	25	UNCH
AUG20	----	----	-14.241 - 0.027		----	1	25	UNCH
SEP20	----	----	-14.257 - 0.037		----	1	25	UNCH
OCT20	----	----	-14.297 - 0.046		----	1	25	UNCH
NOV20	----	----	-14.328 - 0.056		----	1	25	UNCH
DEC20	----	----	-14.187 + 0.049		----	1	25	UNCH
TOTAL BOB FUT						90	5032	
7D FUT	3.5% FUEL OIL CID MED							
JUL17	----	----	283.383 + 1.022		----	----	63	UNCH
AUG17	----	----	284.098 + 3.528		----	----	63	UNCH
SEP17	----	----	282.339 + 3.425		----	----	63	UNCH
OCT17	----	----	280.558 + 3.655		----	----	58	UNCH
NOV17	----	----	278.297 + 3.508		----	----	58	UNCH
DEC17	----	----	276.308 + 3.447		----	----	58	UNCH
JAN18	----	----	277.941 + 3.447		----	----	7	UNCH
FEB18	----	----	278.674 + 3.362		----	----	7	UNCH
MAR18	----	----	279.427 + 3.361		----	----	7	UNCH
APR18	----	----	279.994 + 3.425		----	----	5	UNCH
MAY18	----	----	280.496 + 3.425		----	----	5	UNCH
JUN18	----	----	280.755 + 3.455		----	----	5	UNCH
TOTAL 7D FUT							399	
63 FUT	3.5% FUEL OIL RDAM VS FOB MED BALM							
06JUL17	----	----	-0.339 - 1.093		----	----	25	UNCH
25JUL17	----	----	-0.317 NEW		----	10	10 + 10	
TOTAL 63 FUT						10	35 + 10	
FCB FUT	3.5% FUELOIL FOB RDAM CRK SPD BALMO							
04JUL17	----	----	-4.560 + 0.009		----	----	160	UNCH
05JUL17	----	----	-4.557 + 0.010		----	----	208	UNCH
12JUL17	----	----	-4.537 + 0.013		----	----	128	UNCH
TOTAL FCB FUT							496	
EOB FUT	ARGUS GASOLINE NWE CRACK SPR							
JUL17	----	----	12.059 - 0.146		----	----	11	UNCH
AUG17	----	----	12.135 - 0.387		----	----	14	UNCH
SEP17	----	----	11.329 - 0.408		----	----	14	UNCH
TOTAL EOB FUT							39	
5C FUT	CHICAGO ULSD PL VS HO SPR							
JUL17	----	----	-0.0194 - 0.0003		----	----	139	UNCH
AUG17	----	----	-0.0182 + 0.0010		----	----	129	UNCH
SEP17	----	----	0.0075 + 0.0003		----	----	169	UNCH
OCT17	----	----	0.0200 UNCH		----	----	285	UNCH
NOV17	----	----	0.0085 - 0.0005		----	----	83	UNCH
DEC17	----	----	-0.0001 + 0.0012		----	----	80	UNCH
JAN18	----	----	0.0272 + 0.0017		----	----	22	UNCH
FEB18	----	----	0.0579 - 0.0010		----	----	22	UNCH
MAR18	----	----	0.0378 + 0.0004		----	----	22	UNCH
APR18	----	----	0.0476 + 0.0011		----	----	22	UNCH
MAY18	----	----	0.0709 - 0.0001		----	----	24	UNCH
JUN18	----	----	0.0681 - 0.0009		----	----	24	UNCH
JUL18	----	----	0.0490 UNCH		----	----	23	UNCH
AUG18	----	----	0.0490 UNCH		----	----	23	UNCH
SEP18	----	----	0.0475 - 0.0005		----	----	23	UNCH
OCT18	----	----	0.0347 - 0.0006		----	----	23	UNCH
NOV18	----	----	0.0219 - 0.0006		----	----	21	UNCH
DEC18	----	----	0.0097 + 0.0007		----	----	21	UNCH
TOTAL 5C FUT							1155	
3C FUT	CHICAGO UNL GAS PL VS RBOB SPR							
JUL17	----	----	-0.0685 + 0.0020		----	----	3	UNCH
AUG17	----	----	-0.0788 UNCH		----	----	3	UNCH
SEP17	----	----	-0.0788 UNCH		----	----	3	UNCH
OCT17	----	----	-0.0763 UNCH		----	----	3	UNCH
NOV17	----	----	-0.0763 UNCH		----	----	3	UNCH
DEC17	----	----	-0.0763 UNCH		----	----	3	UNCH
TOTAL 3C FUT							18	

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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	
U7 FUT	DIESEL 10PPM BARGES FOB BALMO							
11JUL17	----	----	1449.071 - 0.596		----	----	3	UNCH
TOTAL U7 FUT							3	
EWN FUT	E/W NAPHTHA JAPAN CF-CARGOS CIF NWE							
JUL17	----	----	3.258 - 0.462		----	----	323	UNCH
AUG17	----	----	9.500 - 0.250		----	20	200 +	2
SEP17	----	----	11.667 + 0.083		----	----	142	UNCH
OCT17	----	----	12.167 - 0.167		----	----	89	UNCH
NOV17	----	----	12.833 + 0.083		----	----	72	UNCH
DEC17	----	----	13.166 + 0.166		----	----	84	UNCH
JAN18	----	----	12.082 - 0.168		----	4	17 +	4
FEB18	----	----	11.999 - 0.001		----	4	17 +	4
MAR18	----	----	12.499 + 0.374		----	4	17 +	4
APR18	----	----	12.583 NEW		----	4	4 +	4
MAY18	----	----	12.332 NEW		----	4	4 +	4
JUN18	----	----	12.375 NEW		----	4	4 +	4
JUL18	----	----	12.500 NEW		----	4	4 +	4
AUG18	----	----	12.625 NEW		----	4	4 +	4
SEP18	----	----	12.625 NEW		----	4	4 +	4
OCT18	----	----	12.750 NEW		----	4	4 +	4
NOV18	----	----	12.875 NEW		----	4	4 +	4
DEC18	----	----	13.000 NEW		----	4	4 +	4
TOTAL EWN FUT						68	997 +	50
EW FUT	EAST/WEST FUEL OIL SPREAD							
JUL17	----	----	18.98 - 0.13		----	----	98	UNCH
AUG17	----	----	17.18 - 0.27		----	----	138	UNCH
SEP17	----	----	18.93 - 0.42		----	----	163	UNCH
OCT17	----	----	21.05 - 0.07		----	----	50	UNCH
NOV17	----	----	22.53 - 0.17		----	----	50	UNCH
DEC17	----	----	24.23 - 0.20		----	----	50	UNCH
JAN18	----	----	22.55 + 0.05		----	----	5	UNCH
FEB18	----	----	21.65 + 0.05		----	----	5	UNCH
MAR18	----	----	21.15 + 0.05		----	----	5	UNCH
TOTAL EW FUT							564	
EWG FUT	EAST-WST GASOLINE SPREAD PLATTS/ARG							
JUL17	----	----	-2.036 - 0.051		----	----	509	UNCH
AUG17	----	----	-2.450 - 0.157		----	----	684	UNCH
SEP17	----	----	-2.579 - 0.163		----	----	459	UNCH
OCT17	----	----	0.166 - 0.142		----	----	300	UNCH
NOV17	----	----	0.827 - 0.090		----	----	300	UNCH
DEC17	----	----	1.127 - 0.120		----	----	575	UNCH
JAN18	----	----	1.027 - 0.105		----	----	125	UNCH
FEB18	----	----	0.867 - 0.075		----	----	125	UNCH
MAR18	----	----	0.677 - 0.085		----	----	125	UNCH
TOTAL EWG FUT							3202	
A5 FUT	EIA FLAT TAX ONHWAY DIESEL							
JUL17	----	----	2.5109 + 0.0002		----	----	395	UNCH
AUG17	----	----	2.5402 + 0.0016		----	48	423	UNCH
SEP17	----	----	2.5522 + 0.0030		----	48	425	UNCH
OCT17	----	----	2.5661 + 0.0037		----	48	474	UNCH
NOV17	----	----	2.5610 + 0.0046		----	48	452	UNCH
DEC17	----	----	2.5532 + 0.0057		----	48	429	UNCH
JAN18	----	----	2.5526 + 0.0067		----	10	108 -	5
FEB18	----	----	2.5666 + 0.0073		----	10	107 -	5
MAR18	----	----	2.5681 + 0.0076		----	10	107 -	5
APR18	----	----	2.5634 + 0.0078		----	10	106 -	5
MAY18	----	----	2.5641 + 0.0081		----	10	105 -	5
JUN18	----	----	2.5681 + 0.0085		----	10	89 -	5
JUL18	----	----	2.5684 + 0.0084		----	10	105 -	5
AUG18	----	----	2.5742 + 0.0086		----	10	105 -	5
SEP18	----	----	2.5864 + 0.0086		----	10	100 -	5
OCT18	----	----	2.5859 + 0.0087		----	10	94 -	10
NOV18	----	----	2.5960 + 0.0091		----	10	91 -	10
DEC18	----	----	2.5895 + 0.0091		----	10	91 -	10
JAN19	----	----	2.6096 + 0.0091		----	----	26	UNCH
TOTAL A5 FUT						360	3832 -	75
JE FUT	EIA FLAT TAX US RETAIL GASOLINE							
JUL17	----	----	2.2937 UNCH		----	----	10	UNCH
AUG17	----	----	2.2935 UNCH		----	----	10	UNCH
SEP17	----	----	2.1652 UNCH		----	----	10	UNCH
OCT17	----	----	2.1369 UNCH		----	----	10	UNCH
NOV17	----	----	2.1149 UNCH		----	----	10	UNCH
DEC17	----	----	2.1082 UNCH		----	----	10	UNCH
JAN18	----	----	2.2765 UNCH		----	----	33	UNCH

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JE FUT	EIA FLAT TAX US RETAIL	GASOLINE						
FEB18	----	----	2.2765	UNCH	----	----	33	UNCH
MAR18	----	----	2.2765	UNCH	----	----	33	UNCH
APR18	----	----	2.2765	UNCH	----	----	27	UNCH
MAY18	----	----	2.2765	UNCH	----	----	27	UNCH
JUN18	----	----	2.2765	UNCH	----	----	27	UNCH
JUL18	----	----	2.2765	UNCH	----	----	27	UNCH
AUG18	----	----	2.2765	UNCH	----	----	27	UNCH
SEP18	----	----	2.2765	UNCH	----	----	27	UNCH
OCT18	----	----	2.2805	UNCH	----	----	33	UNCH
NOV18	----	----	2.2805	UNCH	----	----	33	UNCH
DEC18	----	----	2.2775	UNCH	----	----	33	UNCH
TOTAL JE FUT							420	
ESB FUT	EU BALMO LOW SULPHUR	GASOIL BRENT						
04JUL17	----	----	11.600	- 0.211	----	----	63	UNCH
TOTAL ESB FUT							63	
EFM FUT	EUR 1%FUEL OIL CARGO	FOB MED PLATTS						
JUL17	----	----	282.555	+ 0.826	----	----	16	UNCH
AUG17	----	----	286.911	+ 3.466	----	----	16	UNCH
OCT17	----	----	290.620	+ 3.217	----	----	25	UNCH
TOTAL EFM FUT							57	
ENS FUT	EUR1%FUEL OIL FOB MED-EUR1%	FOB NWE						
JUL17	----	----	1.905	- 0.298	----	----	25	UNCH
AUG17	----	----	2.750	- 0.250	----	5	25	+ 5
SEP17	----	----	3.500	- 0.250	----	5	15	+ 5
OCT17	----	----	4.500	UNCH	----	5	15	+ 5
NOV17	----	----	5.000	UNCH	----	5	15	+ 5
DEC17	----	----	5.975	+ 0.010	----	5	15	+ 5
TOTAL ENS FUT						25	110	+ 25
KR FUT	EURO 3.5% FUEL OIL RDAM	BALMO						
04JUL17	----	----	278.333	+ 1.080	----	----	40	UNCH
06JUL17	----	----	278.106	+ 1.200	----	----	74	UNCH
11JUL17	----	----	279.310	+ 1.440	----	----	5	UNCH
12JUL17	----	----	280.171	+ 1.542	----	----	5	UNCH
13JUL17	----	----	280.838	+ 1.661	----	----	10	UNCH
18JUL17	----	----	281.490	+ 2.160	----	----	7	UNCH
TOTAL KR FUT							141	
FK FUT	EURO 3.5% FUEL OIL SPREAD							
JUL17	----	----	-0.72	- 0.94	----	----	334	UNCH
AUG17	----	----	-2.25	UNCH	----	1	261	UNCH
SEP17	----	----	-2.08	- 0.08	----	1	175	UNCH
OCT17	----	----	-1.88	+ 0.13	----	1	130	UNCH
NOV17	----	----	-2.13	UNCH	----	1	130	UNCH
DEC17	----	----	-2.13	UNCH	----	1	130	UNCH
JAN18	----	----	-2.00	UNCH	----	----	9	UNCH
FEB18	----	----	-2.00	UNCH	----	----	9	UNCH
MAR18	----	----	-2.00	UNCH	----	----	9	UNCH
APR18	----	----	-2.00	UNCH	----	----	7	UNCH
MAY18	----	----	-2.00	UNCH	----	----	7	UNCH
JUN18	----	----	-2.00	UNCH	----	----	7	UNCH
JUL18	----	----	-2.00	UNCH	----	----	2	UNCH
AUG18	----	----	-1.75	UNCH	----	----	2	UNCH
SEP18	----	----	-1.92	UNCH	----	----	2	UNCH
OCT18	----	----	-1.96	UNCH	----	----	2	UNCH
NOV18	----	----	-1.75	UNCH	----	----	2	UNCH
DEC18	----	----	-0.50	UNCH	----	----	2	UNCH
TOTAL FK FUT						5	1220	
ET FUT	EURO DIESEL 10PPM VS ICE							
JUL17	----	----	-0.01	- 0.07	----	----	10	UNCH
AUG17	----	----	-0.25	UNCH	----	----	5	UNCH
SEP17	----	----	-0.46	- 0.15	----	----	5	UNCH
OCT17	----	----	0.50	+ 0.25	----	----	27	UNCH
NOV17	----	----	0.29	+ 0.10	----	----	27	UNCH
DEC17	----	----	0.29	+ 0.10	----	----	27	UNCH
JAN18	----	----	-0.79	+ 0.15	----	----	15	UNCH
FEB18	----	----	-0.79	+ 0.15	----	----	15	UNCH
MAR18	----	----	-0.79	+ 0.15	----	----	15	UNCH
APR18	----	----	-0.67	+ 0.02	----	----	15	UNCH
MAY18	----	----	-0.67	+ 0.02	----	----	15	UNCH
JUN18	----	----	-0.67	+ 0.02	----	----	15	UNCH
JUL18	----	----	-1.08	+ 0.17	----	----	15	UNCH
AUG18	----	----	-1.08	+ 0.17	----	----	15	UNCH
SEP18	----	----	-1.08	+ 0.17	----	----	15	UNCH
OCT18	----	----	-0.92	- 0.04	----	----	15	UNCH

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ET FUT	EURO DIESEL 10PPM VS ICE						
NOV18	----	----	-0.92 - 0.04	----	----	15	UNCH
DEC18	----	----	-0.92 - 0.04	----	----	15	UNCH
TOTAL ET FUT						281	
EPN FUT	EURO PPNE CIFARG VS NAPHTHA NWE SW						
JUL17	----	----	-55.438 - 0.101	----	----	98	UNCH
AUG17	----	----	-47.500 + 1.250	----	12	120 -	7
SEP17	----	----	-44.750 + 2.000	----	----	87	UNCH
OCT17	----	----	-42.750 + 2.000	----	----	58	UNCH
NOV17	----	----	-40.500 + 1.625	----	----	58	UNCH
DEC17	----	----	-38.750 + 1.625	----	----	63	UNCH
JAN18	----	----	-43.000 + 2.083	----	----	10	UNCH
FEB18	----	----	-49.167 + 1.750	----	----	10	UNCH
MAR18	----	----	-67.333 + 0.834	----	----	10	UNCH
APR18	----	----	-88.667 + 1.166	----	----	10	UNCH
MAY18	----	----	-95.333 + 1.000	----	----	10	UNCH
JUN18	----	----	-92.333 + 1.334	----	----	10	UNCH
TOTAL EPN FUT					12	544 -	7
43 FUT	EUROP NAPHTHA PLATTS CRCK SPR BALMO						
04JUL17	----	----	-1.385 - 0.010	----	----	32	UNCH
05JUL17	----	----	-1.336 - 0.010	----	----	54	UNCH
07JUL17	----	----	-1.285 - 0.011	----	----	59	UNCH
10JUL17	----	----	-1.294 - 0.012	----	----	45	UNCH
TOTAL 43 FUT						190	
UF FUT	EUROPE 1% FUEL OIL NWE CAL						
JUL17	----	----	280.65 + 1.12	----	----	53	UNCH
AUG17	----	----	284.16 + 3.72	----	----	8	UNCH
SEP17	----	----	285.24 + 3.13	----	----	3	UNCH
OCT17	----	----	286.12 + 3.22	----	----	3	UNCH
NOV17	----	----	286.74 + 3.26	----	----	3	UNCH
DEC17	----	----	286.87 + 3.26	----	----	3	UNCH
TOTAL UF FUT						73	
UH FUT	EUROPE 1% FUEL OIL RDAM CAL						
AUG17	----	----	280.47 + 3.72	----	----	10	UNCH
TOTAL UH FUT						10	
UI FUT	EUROPE 3.5% FUEL OIL MED CAL						
JUL17	----	----	277.99 + 0.09	----	----	64	UNCH
AUG17	----	----	277.85 + 3.28	----	----	64	UNCH
SEP17	----	----	276.09 + 3.18	----	----	64	UNCH
OCT17	----	----	274.31 + 3.41	----	----	59	UNCH
NOV17	----	----	272.05 + 3.26	----	----	59	UNCH
DEC17	----	----	270.06 + 3.20	----	----	59	UNCH
JAN18	----	----	271.69 + 3.20	----	----	8	UNCH
FEB18	----	----	272.42 + 3.11	----	----	8	UNCH
MAR18	----	----	273.18 + 3.11	----	----	8	UNCH
APR18	----	----	273.74 + 3.18	----	----	6	UNCH
MAY18	----	----	274.25 + 3.18	----	----	6	UNCH
JUN18	----	----	274.51 + 3.21	----	----	6	UNCH
JUL18	----	----	274.76 + 3.21	----	----	1	UNCH
AUG18	----	----	275.01 + 3.33	----	----	1	UNCH
SEP18	----	----	274.71 + 3.33	----	----	1	UNCH
OCT18	----	----	274.42 + 3.33	----	----	1	UNCH
NOV18	----	----	274.13 + 3.33	----	----	1	UNCH
DEC18	----	----	274.01 + 3.33	----	----	1	UNCH
JAN19	----	----	273.88 + 3.33	----	----	1	UNCH
FEB19	----	----	273.76 + 3.33	----	----	1	UNCH
MAR19	----	----	273.55 + 3.29	----	----	1	UNCH
APR19	----	----	273.34 + 3.25	----	----	1	UNCH
MAY19	----	----	273.13 + 3.21	----	----	1	UNCH
JUN19	----	----	271.17 + 3.22	----	----	1	UNCH
TOTAL UI FUT						423	
UV FUT	EUROPE 3.5% FUEL OIL RDAM CAL						
JUL17	----	----	278.71 + 1.03	----	----	1359	UNCH
AUG17	----	----	280.10 + 3.28	----	65	1072 -	5
SEP17	----	----	278.17 + 3.26	----	85	928 +	35
OCT17	----	----	276.18 + 3.28	----	35	612 +	15
NOV17	----	----	274.17 + 3.26	----	10	620 -	10
DEC17	----	----	272.18 + 3.20	----	10	1012 -	10
JAN18	----	----	273.69 + 3.20	----	2	609	UNCH
FEB18	----	----	274.42 + 3.11	----	2	635	UNCH
MAR18	----	----	275.18 + 3.11	----	2	585	UNCH
APR18	----	----	275.74 + 3.18	----	2	193	UNCH
MAY18	----	----	276.25 + 3.18	----	2	180 -	2
JUN18	----	----	276.51 + 3.21	----	2	199	UNCH

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UV FUT	EUROPE 3.5% FUEL OIL RDAM CAL					
JUL18	----	----	276.76 + 3.21	----	2	139 UNCH
AUG18	----	----	276.76 + 3.33	----	2	178 UNCH
SEP18	----	----	276.63 + 3.33	----	2	147 UNCH
OCT18	----	----	276.38 + 3.33	----	6	365 UNCH
NOV18	----	----	275.88 + 3.33	----	6	230 UNCH
DEC18	----	----	274.51 + 3.33	----	6	323 UNCH
JAN19	----	----	275.51 + 3.33	----	2	13 - 2
FEB19	----	----	275.76 + 3.33	----	2	13 - 2
MAR19	----	----	275.88 + 3.33	----	2	13 - 2
APR19	----	----	275.76 + 3.33	----	2	8 UNCH
MAY19	----	----	275.13 + 3.21	----	2	8 UNCH
JUN19	----	----	274.13 + 3.21	----	2	8 UNCH
JUL19	----	----	272.76 + 3.46	----	2	22 UNCH
AUG19	----	----	270.76 + 3.46	----	2	22 UNCH
SEP19	----	----	267.88 + 3.46	----	2	22 UNCH
OCT19	----	----	262.76 + 3.46	----	2	19 - 2
NOV19	----	----	256.13 + 3.46	----	2	19 - 2
DEC19	----	----	249.38 + 3.46	----	2	19 - 2
JAN20	----	----	244.63 + 3.58	----	----	15 UNCH
FEB20	----	----	245.88 + 3.58	----	----	15 UNCH
MAR20	----	----	247.01 + 3.58	----	----	15 UNCH
TOTAL UV FUT					265	9617 + 11
UJ FUT	EUROPE JET KERO NWE CAL					
JUL17	----	----	481.06 - 0.39	----	----	12 UNCH
AUG17	----	----	484.60 - 1.07	----	----	12 UNCH
SEP17	----	----	485.25 - 0.83	----	----	12 UNCH
JAN18	----	----	485.27 - 0.41	----	----	1 UNCH
FEB18	----	----	485.91 - 0.33	----	----	1 UNCH
MAR18	----	----	486.58 - 0.34	----	----	1 UNCH
APR18	----	----	487.81 - 0.25	----	----	1 UNCH
MAY18	----	----	488.52 - 0.25	----	----	1 UNCH
JUN18	----	----	490.08 - 0.25	----	----	1 UNCH
JUL18	----	----	492.52 - 0.25	----	----	1 UNCH
AUG18	----	----	494.47 - 0.25	----	----	1 UNCH
SEP18	----	----	496.14 - 0.25	----	----	1 UNCH
OCT18	----	----	497.16 - 0.50	----	----	1 UNCH
NOV18	----	----	497.25 - 0.33	----	----	1 UNCH
DEC18	----	----	498.39 - 0.25	----	----	1 UNCH
TOTAL UJ FUT						48
UN FUT	EUROPE NAPHTHA CAL					
JUL17	----	----	418.45 + 1.28	----	----	533 UNCH
AUG17	----	----	421.40 + 3.77	----	59	633 + 30
SEP17	----	----	420.61 + 3.35	----	89	327 + 32
OCT17	----	----	420.99 + 3.48	----	41	270 + 29
NOV17	----	----	421.11 + 3.28	----	21	163 + 15
DEC17	----	----	421.40 + 3.07	----	44	303 + 23
JAN18	----	----	422.65 + 3.10	----	----	106 UNCH
FEB18	----	----	422.61 + 3.13	----	----	66 UNCH
MAR18	----	----	421.14 + 3.08	----	----	66 UNCH
APR18	----	----	419.19 + 3.13	----	----	23 UNCH
MAY18	----	----	418.07 + 3.14	----	----	13 UNCH
JUN18	----	----	417.27 + 2.64	----	----	13 UNCH
JUL18	----	----	417.40 + 3.02	----	----	3 UNCH
AUG18	----	----	418.33 + 3.14	----	----	3 UNCH
SEP18	----	----	419.46 + 3.08	----	----	8 UNCH
OCT18	----	----	420.58 + 3.04	----	----	16 UNCH
NOV18	----	----	421.62 + 2.98	----	----	10 UNCH
DEC18	----	----	422.64 + 2.97	----	----	8 UNCH
TOTAL UN FUT					254	2564 + 129
KZ FUT	EUROPEAN NAPHTHA BALMO					
04JUL17	----	----	418.360 + 1.343	----	----	16 UNCH
05JUL17	----	----	418.221 + 1.414	----	----	8 UNCH
06JUL17	----	----	418.858 + 1.492	----	----	5 UNCH
07JUL17	----	----	419.070 + 1.580	----	----	10 UNCH
11JUL17	----	----	420.630 + 1.791	----	----	10 UNCH
12JUL17	----	----	421.817 + 1.918	----	----	75 UNCH
13JUL17	----	----	422.976 + 2.066	----	----	10 UNCH
14JUL17	----	----	423.933 + 2.239	----	----	10 UNCH
17JUL17	----	----	424.722 + 2.442	----	----	56 UNCH
19JUL17	----	----	425.716 + 2.985	----	----	20 UNCH
20JUL17	----	----	425.274 + 3.357	----	----	25 UNCH
TOTAL KZ FUT						245
EN FUT	EUROPEAN NAPHTHA CRACK SPREAD					

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
EN FUT	EUROPEAN NAPHTHA CRACK SPREAD					
JUL17	----	----	-1.44 - 0.01	----	----	2075 UNCH
AUG17	----	----	-1.48 - 0.09	----	72	2100 - 27
SEP17	----	----	-1.84 - 0.11	----	----	1011 UNCH
OCT17	----	----	-2.06 - 0.08	----	10	777 UNCH
NOV17	----	----	-2.27 - 0.07	----	10	749 UNCH
DEC17	----	----	-2.48 - 0.08	----	10	749 UNCH
JAN18	----	----	-2.53 - 0.07	----	9	729 UNCH
FEB18	----	----	-2.69 - 0.07	----	9	729 UNCH
MAR18	----	----	-3.01 - 0.08	----	9	729 UNCH
APR18	----	----	-3.36 - 0.09	----	----	552 UNCH
MAY18	----	----	-3.63 - 0.09	----	----	552 UNCH
JUN18	----	----	-3.85 - 0.14	----	----	552 UNCH
JUL18	----	----	-3.95 - 0.10	----	----	132 UNCH
AUG18	----	----	-3.95 - 0.10	----	----	132 UNCH
SEP18	----	----	-3.94 - 0.10	----	----	132 UNCH
OCT18	----	----	-3.92 - 0.11	----	----	157 UNCH
NOV18	----	----	-3.92 - 0.12	----	----	157 UNCH
DEC18	----	----	-3.96 - 0.13	----	----	157 UNCH
TOTAL EN FUT					129	12171 - 27
FS FUT	FUEL OIL CARGOES VS. BARGES					
JUL17	----	----	1.94 + 0.10	----	----	142 UNCH
AUG17	----	----	4.06 + 0.44	----	----	65 UNCH
SEP17	----	----	7.06 - 0.12	----	----	104 UNCH
OCT17	----	----	9.94 - 0.06	----	----	134 UNCH
NOV17	----	----	12.56 + 0.00	----	----	134 UNCH
DEC17	----	----	14.69 + 0.06	----	----	134 UNCH
JAN18	----	----	15.00 UNCH	----	----	101 UNCH
FEB18	----	----	15.88 + 0.13	----	----	101 UNCH
MAR18	----	----	15.88 + 0.13	----	----	23 UNCH
APR18	----	----	16.25 + 0.13	----	----	23 UNCH
MAY18	----	----	16.50 + 0.13	----	----	23 UNCH
JUN18	----	----	16.75 + 0.13	----	----	23 UNCH
JUL18	----	----	17.25 UNCH	----	----	23 UNCH
AUG18	----	----	17.61 - 0.06	----	----	23 UNCH
SEP18	----	----	17.76 - 0.04	----	----	23 UNCH
OCT18	----	----	18.05 - 0.02	----	----	23 UNCH
NOV18	----	----	18.58 UNCH	----	----	23 UNCH
DEC18	----	----	21.04 UNCH	----	----	23 UNCH
JAN20	----	----	61.82 - 0.13	----	----	2 UNCH
FEB20	----	----	61.62 - 0.13	----	----	2 UNCH
MAR20	----	----	61.55 - 0.13	----	----	2 UNCH
APR20	----	----	61.60 UNCH	----	----	2 UNCH
MAY20	----	----	61.78 UNCH	----	----	2 UNCH
JUN20	----	----	62.09 UNCH	----	----	2 UNCH
JUL20	----	----	62.11 + 0.01	----	----	2 UNCH
AUG20	----	----	62.25 + 0.14	----	----	2 UNCH
SEP20	----	----	62.40 + 0.27	----	----	2 UNCH
OCT20	----	----	62.67 + 0.41	----	----	2 UNCH
NOV20	----	----	62.94 + 0.54	----	----	2 UNCH
DEC20	----	----	62.09 UNCH	----	----	2 UNCH
TOTAL FS FUT						1169
FO FUT	FUEL OIL CRACK VS ICE					
JUL17	----	----	-4.56 + 0.01	----	----	1659 UNCH
AUG17	----	----	-4.72 + 0.01	----	49	1395 - 49
SEP17	----	----	-5.30 + 0.02	----	49	1182 - 49
OCT17	----	----	-5.87 + 0.05	----	49	1521 - 49
NOV17	----	----	-6.40 + 0.07	----	49	1521 - 49
DEC17	----	----	-6.97 + 0.07	----	49	1516 - 49
JAN18	----	----	-6.92 + 0.08	----	10	1228 - 10
FEB18	----	----	-6.96 + 0.07	----	10	1228 - 10
MAR18	----	----	-6.99 + 0.06	----	10	1228 - 10
APR18	----	----	-7.03 + 0.06	----	10	519 - 10
MAY18	----	----	-7.10 + 0.06	----	10	519 - 10
JUN18	----	----	-7.19 + 0.07	----	1	537 - 1
JUL18	----	----	-7.26 + 0.06	----	10	464 - 10
AUG18	----	----	-7.37 + 0.07	----	10	464 - 10
SEP18	----	----	-7.50 + 0.08	----	10	464 - 10
OCT18	----	----	-7.65 + 0.07	----	10	455 - 10
NOV18	----	----	-7.85 + 0.08	----	10	455 - 10
DEC18	----	----	-8.22 + 0.06	----	1	473 - 1
JAN19	----	----	-8.19 + 0.06	----	----	122 UNCH
FEB19	----	----	-8.31 + 0.04	----	----	122 UNCH
MAR19	----	----	-8.40 + 0.04	----	----	122 UNCH
APR19	----	----	-8.51 + 0.03	----	----	97 UNCH

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FO FUT	FUEL OIL CRACK VS ICE							
MAY19	----	----	-8.77 + 0.00		----	----	97	UNCH
JUN19	----	----	-9.06 - 0.01		----	----	97	UNCH
JUL19	----	----	-9.39 + 0.03		----	----	122	UNCH
AUG19	----	----	-9.83 + 0.03		----	----	122	UNCH
SEP19	----	----	-10.36 + 0.01		----	----	122	UNCH
OCT19	----	----	-11.22 + 0.01		----	----	122	UNCH
NOV19	----	----	-12.38 + 0.00		----	----	122	UNCH
DEC19	----	----	-13.58 - 0.01		----	----	122	UNCH
JAN20	----	----	-14.44 + 0.01		----	----	31	UNCH
FEB20	----	----	-14.37 + 0.01		----	----	31	UNCH
MAR20	----	----	-14.31 + 0.00		----	----	31	UNCH
APR20	----	----	-14.26 - 0.03		----	----	31	UNCH
MAY20	----	----	-14.23 - 0.04		----	----	31	UNCH
JUN20	----	----	-14.21 - 0.04		----	----	31	UNCH
JUL20	----	----	-14.21 - 0.02		----	----	31	UNCH
AUG20	----	----	-14.24 - 0.03		----	----	31	UNCH
SEP20	----	----	-14.26 - 0.04		----	----	31	UNCH
OCT20	----	----	-14.30 - 0.05		----	----	31	UNCH
NOV20	----	----	-14.33 - 0.06		----	----	31	UNCH
DEC20	----	----	-14.19 + 0.05		----	----	31	UNCH
TOTAL FO FUT						347	18589	- 347
GCI FUT	G. COAST #6 FUEL OIL 3.0% VS BRENT							
JUL17	----	----	-4.459 - 0.126		----	----	1050	UNCH
AUG17	----	----	-5.282 - 0.159		----	65	235	UNCH
SEP17	----	----	-5.902 - 0.039		----	65	125	UNCH
OCT17	----	----	-6.310 + 0.041		----	65	480	UNCH
NOV17	----	----	-6.714 + 0.070		----	65	480	UNCH
DEC17	----	----	-7.163 + 0.081		----	65	480	UNCH
JAN18	----	----	-7.150 + 0.090		----	10	72	UNCH
FEB18	----	----	-7.238 + 0.072		----	10	72	UNCH
MAR18	----	----	-7.329 + 0.064		----	10	72	UNCH
APR18	----	----	-7.410 + 0.054		----	10	72	UNCH
MAY18	----	----	-7.509 + 0.054		----	10	72	UNCH
JUN18	----	----	-7.585 + 0.035		----	10	72	UNCH
JUL18	----	----	-7.632 + 0.053		----	10	72	UNCH
AUG18	----	----	-7.742 + 0.043		----	10	72	UNCH
SEP18	----	----	-7.853 + 0.043		----	10	72	UNCH
OCT18	----	----	-7.945 + 0.043		----	10	72	UNCH
NOV18	----	----	-8.116 + 0.043		----	10	72	UNCH
DEC18	----	----	-8.314 + 0.032		----	10	72	UNCH
TOTAL GCI FUT						445	3714	
7R FUT	GAS EUROBOB (ARGUS) BALMO							
04JUL17	----	----	504.172 + 0.066		----	----	7	UNCH
05JUL17	----	----	504.155 + 0.070		----	----	48	UNCH
06JUL17	----	----	504.261 + 0.074		----	----	83	UNCH
07JUL17	----	----	504.614 + 0.078		----	----	43	UNCH
10JUL17	----	----	505.403 + 0.083		----	----	9	UNCH
11JUL17	----	----	506.580 + 0.089		----	----	14	UNCH
12JUL17	----	----	507.818 + 0.095		----	----	53	UNCH
19JUL17	----	----	510.605 + 0.148		----	----	35	UNCH
20JUL17	----	----	510.493 + 0.166		----	----	19	UNCH
TOTAL 7R FUT							311	
7I FUT	GAS EUROBOB (ARGUS) CRK BALMO							
04JUL17	----	----	12.133 - 0.153		----	----	57	UNCH
05JUL17	----	----	12.196 - 0.160		----	----	63	UNCH
10JUL17	----	----	12.197 - 0.191		----	----	83	UNCH
TOTAL 7I FUT							203	
7K FUT	GAS EURO-BOB OXY (ARG) CRACK							
JUL17	----	----	12.059 - 0.146		----	----	5035	UNCH
AUG17	----	----	12.135 - 0.387		----	162	4162	- 100
SEP17	----	----	11.329 - 0.408		----	135	3831	- 12
OCT17	----	----	7.799 - 0.321		----	110	2966	- 6
NOV17	----	----	6.600 - 0.316		----	110	2966	- 6
DEC17	----	----	5.828 - 0.276		----	110	2937	+ 25
JAN18	----	----	6.047 - 0.252		----	----	560	UNCH
FEB18	----	----	6.346 - 0.220		----	----	560	UNCH
MAR18	----	----	6.673 - 0.193		----	----	600	UNCH
APR18	----	----	10.776 - 0.205		----	----	708	UNCH
MAY18	----	----	10.916 - 0.123		----	----	708	UNCH
JUN18	----	----	10.794 - 0.168		----	----	708	UNCH
JUL18	----	----	10.342 - 0.132		----	----	346	UNCH
AUG18	----	----	9.675 - 0.100		----	----	346	UNCH
SEP18	----	----	8.910 - 0.143		----	----	346	UNCH

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7K FUT	GAS EURO-BOB OXY (ARG) CRACK						
OCT18	----	----	5.864 - 0.186	----	----	525	UNCH
NOV18	----	----	5.078 - 0.143	----	----	525	UNCH
DEC18	----	----	4.594 - 0.091	----	----	525	UNCH
JAN19	----	----	4.971 - 0.052	----	----	70	UNCH
FEB19	----	----	5.682 - 0.011	----	----	70	UNCH
MAR19	----	----	6.120 - 0.062	----	----	70	UNCH
APR19	----	----	10.173 - 0.235	----	----	70	UNCH
MAY19	----	----	10.354 - 0.163	----	----	70	UNCH
JUN19	----	----	10.059 - 0.221	----	----	70	UNCH
JUL19	----	----	9.329 - 0.194	----	----	70	UNCH
AUG19	----	----	8.652 - 0.166	----	----	70	UNCH
SEP19	----	----	7.548 - 0.210	----	----	70	UNCH
OCT19	----	----	4.478 - 0.261	----	----	70	UNCH
NOV19	----	----	3.725 - 0.234	----	----	70	UNCH
DEC19	----	----	3.355 - 0.180	----	----	70	UNCH
TOTAL 7K FUT					627	29194	- 99
7H FUT	GAS EURO-BOB OXY (ARG) NEW BRG						
JUL17	----	----	504.069 + 0.063	----	----	993	UNCH
AUG17	----	----	507.857 + 1.015	----	55	985	+ 2
SEP17	----	----	503.394 + 0.679	----	31	1067	UNCH
OCT17	----	----	476.131 + 1.232	----	2	389	- 2
NOV17	----	----	467.991 + 1.033	----	2	264	UNCH
DEC17	----	----	463.630 + 1.277	----	7	568	UNCH
JAN18	----	----	467.012 + 1.402	----	----	42	UNCH
FEB18	----	----	470.849 + 1.681	----	----	38	UNCH
MAR18	----	----	474.805 + 1.978	----	----	37	UNCH
APR18	----	----	510.073 + 1.959	----	----	80	UNCH
MAY18	----	----	512.478 + 2.642	----	----	46	UNCH
JUN18	----	----	512.539 + 2.270	----	----	21	UNCH
JUL18	----	----	509.691 + 2.565	----	----	3	UNCH
AUG18	----	----	505.045 + 2.915	----	----	3	UNCH
SEP18	----	----	499.604 + 2.563	----	----	25	UNCH
OCT18	----	----	475.134 + 2.202	----	----	18	UNCH
NOV18	----	----	469.598 + 2.556	----	----	3	UNCH
DEC18	----	----	466.794 + 3.081	----	----	3	UNCH
TOTAL 7H FUT					97	4585	
GOC FUT	GASOIL (ICE) CRACK SPREAD						
JUL17	----	----	11.552 - 0.201	----	----	13	UNCH
AUG17	----	----	11.819 - 0.653	----	2	13	UNCH
SEP17	----	----	11.636 - 0.601	----	2	13	UNCH
OCT17	----	----	11.284 - 0.548	----	2	13	UNCH
NOV17	----	----	10.852 - 0.507	----	2	13	UNCH
DEC17	----	----	10.583 - 0.496	----	2	13	UNCH
TOTAL GOC FUT					10	78	
WQ FUT	GASOIL 0.1 RDAM BRGS VS ICE						
JUL17	----	----	-13.018 + 0.083	----	----	10	UNCH
AUG17	----	----	-13.375 + 0.083	----	----	10	UNCH
SEP17	----	----	-13.792 + 0.333	----	----	10	UNCH
JAN18	----	----	-14.563 + 0.124	----	----	10	UNCH
FEB18	----	----	-14.562 + 0.125	----	----	10	UNCH
MAR18	----	----	-14.562 + 0.125	----	----	10	UNCH
APR18	----	----	-14.438 + 0.125	----	----	10	UNCH
MAY18	----	----	-14.438 + 0.125	----	----	10	UNCH
JUN18	----	----	-14.437 + 0.125	----	----	10	UNCH
JUL18	----	----	-14.438 + 0.125	----	----	10	UNCH
AUG18	----	----	-14.437 + 0.125	----	----	10	UNCH
SEP18	----	----	-14.438 + 0.125	----	----	10	UNCH
OCT18	----	----	-14.437 + 0.125	----	----	10	UNCH
NOV18	----	----	-14.437 + 0.126	----	----	10	UNCH
DEC18	----	----	-14.438 + 0.125	----	----	10	UNCH
TOTAL WQ FUT						150	
VL FUT	GASOIL 0.1 ROTTERDAM BARGES SW						
JUL17	----	----	434.018 - 0.274	----	----	5	UNCH
AUG17	----	----	438.473 - 0.993	----	----	10	UNCH
SEP17	----	----	438.708 - 0.500	----	----	15	UNCH
TOTAL VL FUT						30	
Z5 FUT	GASOIL 0.1CIF MED VS ICE GAS						
JUL17	----	----	-7.715 - 0.233	----	----	5	UNCH
AUG17	----	----	-7.250 - 0.312	----	----	5	UNCH
SEP17	----	----	-7.208 - 0.021	----	----	5	UNCH
OCT17	----	----	-6.375 - 0.375	----	----	5	UNCH
NOV17	----	----	-6.500 - 0.313	----	----	5	UNCH
DEC17	----	----	-6.500 - 0.313	----	----	5	UNCH

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TOTAL Z5 FUT							30	
TP FUT	GASOIL 10PPM VS ICE							
JUL17	----	----	5.357 - 0.125		----	----	45	UNCH
AUG17	----	----	5.250 - 0.437		----	----	55	UNCH
SEP17	----	----	5.313 - 0.187		----	----	54	UNCH
OCT17	----	----	5.750 UNCH		----	----	40	UNCH
NOV17	----	----	5.438 + 0.063		----	----	40	UNCH
DEC17	----	----	5.438 + 0.063		----	----	40	UNCH
JAN18	----	----	5.250 UNCH		----	1	41	UNCH
FEB18	----	----	5.250 UNCH		----	1	41	UNCH
MAR18	----	----	5.250 UNCH		----	1	41	UNCH
APR18	----	----	5.312 + 0.062		----	1	41	UNCH
MAY18	----	----	5.312 + 0.062		----	1	41	UNCH
JUN18	----	----	5.313 + 0.063		----	1	41	UNCH
JUL18	----	----	5.125 - 0.125		----	1	41	UNCH
AUG18	----	----	5.125 - 0.125		----	1	41	UNCH
SEP18	----	----	5.125 - 0.125		----	1	41	UNCH
OCT18	----	----	5.375 UNCH		----	1	41	UNCH
NOV18	----	----	5.375 UNCH		----	1	41	UNCH
DEC18	----	----	5.375 UNCH		----	1	41	UNCH
TOTAL TP FUT						12	766	
BG FUT	GASOIL BULLET							
DEC17	----	----	449.75 - 0.50		----	----	15	UNCH
DEC18	----	----	461.50 UNCH		----	----	15	UNCH
TOTAL BG FUT							30	
GX FUT	GASOIL CALENDAR							
JUL17	----	----	447.04 - 0.36		----	----	11	UNCH
AUG17	----	----	451.85 - 1.08		----	----	12	UNCH
SEP17	----	----	452.50 - 0.83		----	----	13	UNCH
OCT17	----	----	451.80 - 0.59		----	----	8	UNCH
NOV17	----	----	450.23 - 0.50		----	----	9	UNCH
DEC17	----	----	450.08 - 0.50		----	----	8	UNCH
TOTAL GX FUT							61	
GZ FUT	GASOIL CRACK SPREAD CALENDAR							
JUL17	----	----	11.55 - 0.20		----	----	1958	UNCH
AUG17	----	----	11.82 - 0.65		----	65	1995 + 35	
SEP17	----	----	11.64 - 0.60		----	65	2168 + 35	
OCT17	----	----	11.28 - 0.55		----	15	1807	UNCH
NOV17	----	----	10.85 - 0.51		----	15	1807	UNCH
DEC17	----	----	10.58 - 0.50		----	15	1807	UNCH
JAN18	----	----	10.51 - 0.46		----	15	553	UNCH
FEB18	----	----	10.44 - 0.46		----	15	553	UNCH
MAR18	----	----	10.38 - 0.46		----	15	553	UNCH
APR18	----	----	10.32 - 0.47		----	15	348 - 15	
MAY18	----	----	10.27 - 0.47		----	15	348 - 15	
JUN18	----	----	10.35 - 0.47		----	15	348 - 15	
JUL18	----	----	10.50 - 0.47		----	15	435	UNCH
AUG18	----	----	10.65 - 0.48		----	15	435	UNCH
SEP18	----	----	10.77 - 0.48		----	15	435	UNCH
OCT18	----	----	10.76 - 0.48		----	15	226	UNCH
NOV18	----	----	10.65 - 0.46		----	15	226	UNCH
DEC18	----	----	10.66 - 0.46		----	15	226	UNCH
JAN19	----	----	10.75 - 0.47		----	----	180	UNCH
FEB19	----	----	10.78 - 0.48		----	----	180	UNCH
MAR19	----	----	10.81 - 0.49		----	----	180	UNCH
APR19	----	----	10.81 - 0.49		----	----	180	UNCH
MAY19	----	----	10.76 - 0.50		----	----	180	UNCH
JUN19	----	----	10.83 - 0.51		----	----	180	UNCH
JUL19	----	----	10.98 - 0.51		----	----	180	UNCH
AUG19	----	----	11.11 - 0.52		----	----	180	UNCH
SEP19	----	----	11.28 - 0.53		----	----	180	UNCH
OCT19	----	----	11.45 - 0.53		----	----	180	UNCH
NOV19	----	----	11.49 - 0.54		----	----	180	UNCH
DEC19	----	----	11.64 - 0.55		----	----	180	UNCH
JAN20	----	----	11.91 - 0.53		----	----	370	UNCH
FEB20	----	----	12.03 - 0.52		----	----	370	UNCH
MAR20	----	----	12.08 - 0.53		----	----	370	UNCH
APR20	----	----	12.12 - 0.51		----	----	370	UNCH
MAY20	----	----	12.11 - 0.51		----	----	370	UNCH
JUN20	----	----	12.17 - 0.49		----	----	370	UNCH
JUL20	----	----	12.27 - 0.48		----	----	370	UNCH
AUG20	----	----	12.32 - 0.49		----	----	370	UNCH
SEP20	----	----	12.40 - 0.50		----	----	370	UNCH
OCT20	----	----	12.44 - 0.51		----	----	370	UNCH

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FINAL

PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
GZ FUT	GASOIL CRACK SPREAD CALENDAR							
NOV20	----	----	12.46 - 0.52		----	----	370	UNCH
DEC20	----	----	12.59 - 0.52		----	----	370	UNCH
TOTAL GZ FUT						355	22828 +	25
QA FUT	GASOIL MINI CALENDAR							
JUL17	----	----	447.036 - 0.357		----	----	56	UNCH
AUG17	----	----	451.848 - 1.076		----	----	41	UNCH
SEP17	----	----	452.500 - 0.833		----	----	24	UNCH
OCT17	----	----	451.795 - 0.591		----	----	2	UNCH
NOV17	----	----	450.227 - 0.500		----	----	2	UNCH
DEC17	----	----	450.075 - 0.500		----	----	2	UNCH
JAN18	----	----	450.932 - 0.329		----	----	1	UNCH
FEB18	----	----	451.575 - 0.250		----	----	1	UNCH
MAR18	----	----	452.250 - 0.250		----	----	1	UNCH
APR18	----	----	452.810 - 0.250		----	----	67	UNCH
MAY18	----	----	453.522 - 0.250		----	----	67	UNCH
JUN18	----	----	455.083 - 0.250		----	----	67	UNCH
TOTAL QA FUT							331	
A7 FUT	GROUP THREE ULSD (PLATTS)							
JUL17	----	----	1.5074 + 0.0005		----	----	25	UNCH
AUG17	----	----	1.5296 + 0.0021		----	25	25	UNCH
SEP17	----	----	1.5362 + 0.0030		----	25	25	UNCH
OCT17	----	----	1.5458 + 0.0037		----	25	25	UNCH
NOV17	----	----	1.5192 + 0.0071		----	25	25	UNCH
DEC17	----	----	1.4729 + 0.0057		----	25	25	UNCH
TOTAL A7 FUT						125	150	
A6 FUT	GRP THREE ULSD(PLT)VS HEAT OIL							
JUL17	----	----	0.0053 UNCH		----	----	1455	UNCH
AUG17	----	----	0.0075 UNCH		----	25	1075	UNCH
SEP17	----	----	0.0075 UNCH		----	25	1225	UNCH
OCT17	----	----	0.0100 UNCH		----	25	2059	UNCH
NOV17	----	----	-0.0225 + 0.0025		----	25	425	UNCH
DEC17	----	----	-0.0750 UNCH		----	75	380 +	50
JAN18	----	----	-0.0625 UNCH		----	----	229	UNCH
FEB18	----	----	-0.0350 UNCH		----	----	229	UNCH
MAR18	----	----	-0.0300 UNCH		----	----	229	UNCH
APR18	----	----	-0.0050 UNCH		----	----	232	UNCH
MAY18	----	----	-0.0050 UNCH		----	----	232	UNCH
JUN18	----	----	-0.0050 UNCH		----	----	232	UNCH
JUL18	----	----	-0.0025 UNCH		----	----	232	UNCH
AUG18	----	----	-0.0025 UNCH		----	----	232	UNCH
SEP18	----	----	-0.0025 UNCH		----	----	232	UNCH
OCT18	----	----	0.0000 UNCH		----	----	232	UNCH
NOV18	----	----	-0.0325 UNCH		----	----	232	UNCH
DEC18	----	----	-0.0750 UNCH		----	----	232	UNCH
TOTAL A6 FUT						175	9394 +	50
A8 FUT	GRP THREE UNL GS (PLT) VS RBOB							
JUL17	----	----	-0.0672 + 0.0008		----	----	395	UNCH
AUG17	----	----	-0.0400 UNCH		----	----	340	UNCH
SEP17	----	----	0.0300 UNCH		----	----	340	UNCH
OCT17	----	----	0.0100 UNCH		----	----	340	UNCH
NOV17	----	----	-0.0600 UNCH		----	----	340	UNCH
DEC17	----	----	-0.1200 UNCH		----	----	340	UNCH
JAN18	----	----	-0.1200 UNCH		----	----	40	UNCH
TOTAL A8 FUT							2135	
CRB FUT	GULF CBOB A2 PL VS RBOB SPR F							
JUL17	----	----	-0.1075 + 0.0016		----	----	18	UNCH
AUG17	----	----	-0.0850 UNCH		----	----	163	UNCH
SEP17	----	----	-0.0300 UNCH		----	----	3	UNCH
OCT17	----	----	-0.0350 UNCH		----	35	38 +	35
NOV17	----	----	-0.0700 UNCH		----	20	23 +	20
DEC17	----	----	-0.0750 UNCH		----	20	23 +	20
JAN18	----	----	-0.0725 NEW		----	20	20 +	20
FEB18	----	----	-0.0650 NEW		----	5	5 +	5
TOTAL CRB FUT						100	293 +	100
GCU FUT	GULF CO NO6 FUELOIL 3% V. EURO 3.5%							
JUL17	----	----	0.099 - 0.142		----	----	3032	UNCH
AUG17	----	----	-0.560 - 0.166		----	132	1736 -	132
SEP17	----	----	-0.607 - 0.063		----	132	1131 -	132
OCT17	----	----	-0.443 - 0.006		----	7	1797 -	7
NOV17	----	----	-0.307 - 0.003		----	7	1795 -	7
DEC17	----	----	-0.193 + 0.007		----	7	1970 -	7
JAN18	----	----	-0.231 + 0.006		----	----	480	UNCH
FEB18	----	----	-0.276 UNCH		----	----	480	UNCH

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GCU FUT						
	GULF CO NO6 FUELOIL 3% V. EURO 3.5%					
MAR18	----	----	-0.335 + 0.010	----	----	480 UNCH
APR18	----	----	-0.374 UNCH	----	----	425 UNCH
MAY18	----	----	-0.403 UNCH	----	----	425 UNCH
JUN18	----	----	-0.394 - 0.035	----	----	485 UNCH
JUL18	----	----	-0.373 - 0.014	----	----	425 UNCH
AUG18	----	----	-0.373 - 0.034	----	----	425 UNCH
SEP18	----	----	-0.354 - 0.035	----	----	425 UNCH
OCT18	----	----	-0.294 - 0.034	----	----	568 UNCH
NOV18	----	----	-0.266 - 0.035	----	----	568 UNCH
DEC18	----	----	-0.099 - 0.034	----	----	543 UNCH
JAN19	----	----	-0.147 - 0.045	----	----	50 UNCH
FEB19	----	----	-0.156 - 0.014	----	----	50 UNCH
MAR19	----	----	-0.176 + 0.015	----	----	50 UNCH
APR19	----	----	-0.046 + 0.096	----	----	50 UNCH
MAY19	----	----	-0.048 + 0.115	----	----	50 UNCH
JUN19	----	----	-0.070 + 0.115	----	----	50 UNCH
JUL19	----	----	-0.104 + 0.045	----	----	50 UNCH
AUG19	----	----	-0.089 + 0.075	----	----	50 UNCH
SEP19	----	----	-0.086 + 0.046	----	----	50 UNCH
OCT19	----	----	0.071 + 0.046	----	----	50 UNCH
NOV19	----	----	0.315 + 0.046	----	----	50 UNCH
DEC19	----	----	0.508 + 0.056	----	----	50 UNCH
TOTAL GCU FUT					285	17790 - 285
VZ FUT						
	GULF COAST 3% FUEL OIL BALMO					
05JUL17	----	----	43.994 + 0.027	----	----	285 - 25
06JUL17	----	----	44.052 + 0.028	----	----	50 UNCH
07JUL17	----	----	44.120 + 0.030	----	----	95 UNCH
11JUL17	----	----	44.385 + 0.034	----	----	305 UNCH
TOTAL VZ FUT						735 - 25
MF FUT						
	GULF COAST HSFO (PLATTS) FUTURES					
JUL17	----	----	43.99 + 0.02	----	----	10826 UNCH
AUG17	----	----	43.55 + 0.35	----	801	7183 - 406
SEP17	----	----	43.20 + 0.45	----	410	5691 + 83
OCT17	----	----	43.05 + 0.51	----	251	4731 + 130
NOV17	----	----	42.87 + 0.51	----	126	2294 - 10
DEC17	----	----	42.67 + 0.51	----	70	4646 UNCH
JAN18	----	----	42.87 + 0.51	----	13	1963 - 13
FEB18	----	----	42.94 + 0.49	----	13	660 - 13
MAR18	----	----	43.00 + 0.50	----	13	510 - 13
APR18	----	----	43.05 + 0.50	----	13	692 UNCH
MAY18	----	----	43.10 + 0.50	----	13	842 UNCH
JUN18	----	----	43.15 + 0.47	----	13	792 UNCH
JUL18	----	----	43.21 + 0.49	----	13	392 UNCH
AUG18	----	----	43.21 + 0.49	----	13	392 UNCH
SEP18	----	----	43.21 + 0.49	----	13	392 UNCH
OCT18	----	----	43.23 + 0.49	----	13	472 UNCH
NOV18	----	----	43.18 + 0.49	----	13	472 UNCH
DEC18	----	----	43.13 + 0.49	----	13	675 UNCH
JAN19	----	----	43.24 + 0.48	----	18	100 - 18
FEB19	----	----	43.27 + 0.51	----	18	100 - 18
MAR19	----	----	43.27 + 0.54	----	18	100 - 18
APR19	----	----	43.38 + 0.62	----	18	135 - 18
MAY19	----	----	43.28 + 0.62	----	18	135 - 18
JUN19	----	----	43.10 + 0.62	----	18	135 - 18
JUL19	----	----	42.85 + 0.59	----	18	76 - 17
AUG19	----	----	42.55 + 0.62	----	18	76 - 17
SEP19	----	----	42.10 + 0.59	----	18	76 - 17
OCT19	----	----	41.45 + 0.59	----	18	76 - 17
NOV19	----	----	40.65 + 0.59	----	18	76 - 17
DEC19	----	----	39.78 + 0.60	----	18	76 - 17
JAN20	----	----	39.04 + 0.62	----	13	34 UNCH
FEB20	----	----	39.16 + 0.61	----	13	34 UNCH
MAR20	----	----	39.29 + 0.62	----	13	34 UNCH
APR20	----	----	39.39 + 0.59	----	13	34 UNCH
MAY20	----	----	39.49 + 0.59	----	13	34 UNCH
JUN20	----	----	39.59 + 0.59	----	13	34 UNCH
JUL20	----	----	39.69 + 0.59	----	13	29 UNCH
AUG20	----	----	39.79 + 0.59	----	13	29 UNCH
SEP20	----	----	39.89 + 0.59	----	13	29 UNCH
OCT20	----	----	39.99 + 0.62	----	13	29 UNCH
NOV20	----	----	40.09 + 0.64	----	13	29 UNCH
DEC20	----	----	40.19 + 0.67	----	13	29 UNCH
TOTAL MF FUT					2186	45164 - 452
GE FUT						
	GULF COAST JET FUEL CLNDR					

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
JUL17	----	----	1.4092 + 0.0003		----	----	37 UNCH
AUG17	----	----	1.4246 + 0.0021		----	34	62 + 25
SEP17	----	----	1.4262 + 0.0030		----	34	62 + 25
OCT17	----	----	1.4133 + 0.0037		----	29	103 - 4
NOV17	----	----	1.4067 + 0.0046		----	29	76 + 24
DEC17	----	----	1.4004 + 0.0057		----	29	76 + 24
JAN18	----	----	1.4257 + 0.0067		----	25	64 UNCH
FEB18	----	----	1.4272 + 0.0073		----	33	72 + 8
MAR18	----	----	1.4387 + 0.0076		----	37	76 + 12
APR18	----	----	1.4402 + 0.0078		----	33	87 + 8
MAY18	----	----	1.4397 + 0.0081		----	39	93 + 14
JUN18	----	----	1.4437 + 0.0085		----	33	87 + 8
JUL18	----	----	1.4565 + 0.0084		----	----	9 UNCH
AUG18	----	----	1.4623 + 0.0086		----	----	9 UNCH
SEP18	----	----	1.4689 + 0.0086		----	----	9 UNCH
OCT18	----	----	1.4690 + 0.0087		----	----	9 UNCH
NOV18	----	----	1.4661 + 0.0091		----	----	9 UNCH
DEC18	----	----	1.4631 + 0.0091		----	----	9 UNCH
TOTAL GE FUT						355	949 + 144
ME FUT	GULF COAST JET VS NYM 2 HO SPRD						
JUL17	----	----	-0.0929 - 0.0002		----	----	6976 UNCH
AUG17	----	----	-0.0975 UNCH		----	632	7076 - 525
SEP17	----	----	-0.1025 UNCH		----	582	4668 - 265
OCT17	----	----	-0.1225 UNCH		----	370	3264 + 125
NOV17	----	----	-0.1350 UNCH		----	55	2942 UNCH
DEC17	----	----	-0.1475 UNCH		----	55	2892 UNCH
JAN18	----	----	-0.1250 UNCH		----	19	944 UNCH
FEB18	----	----	-0.1225 UNCH		----	19	944 UNCH
MAR18	----	----	-0.1050 UNCH		----	19	944 UNCH
APR18	----	----	-0.1000 UNCH		----	24	892 UNCH
MAY18	----	----	-0.1000 UNCH		----	24	842 UNCH
JUN18	----	----	-0.1000 UNCH		----	24	842 UNCH
JUL18	----	----	-0.0925 UNCH		----	----	614 UNCH
AUG18	----	----	-0.0925 UNCH		----	----	614 UNCH
SEP18	----	----	-0.0925 UNCH		----	----	614 UNCH
OCT18	----	----	-0.1000 UNCH		----	----	554 UNCH
NOV18	----	----	-0.1100 UNCH		----	----	554 UNCH
DEC18	----	----	-0.1200 UNCH		----	----	554 UNCH
TOTAL ME FUT						1823	36730 - 665
MG FUT	GULF COAST NO.6 FUEL OIL CRACK						
JUL17	----	----	-1.93 - 0.16		----	----	1335 UNCH
AUG17	----	----	-2.84 - 0.22		----	----	360 UNCH
SEP17	----	----	-3.38 - 0.10		----	----	340 UNCH
OCT17	----	----	-3.74 - 0.01		----	----	295 UNCH
NOV17	----	----	-4.15 + 0.02		----	----	295 UNCH
DEC17	----	----	-4.56 + 0.03		----	----	462 UNCH
JAN18	----	----	-4.52 + 0.04		----	----	100 UNCH
FEB18	----	----	-4.57 + 0.04		----	----	100 UNCH
MAR18	----	----	-4.62 + 0.05		----	----	125 UNCH
APR18	----	----	-4.67 + 0.05		----	----	65 UNCH
MAY18	----	----	-4.71 + 0.05		----	----	65 UNCH
JUN18	----	----	-4.75 + 0.02		----	----	65 UNCH
JUL18	----	----	-4.77 + 0.04		----	----	25 UNCH
AUG18	----	----	-4.86 + 0.04		----	----	25 UNCH
SEP18	----	----	-4.95 + 0.04		----	----	25 UNCH
OCT18	----	----	-5.03 + 0.05		----	----	25 UNCH
NOV18	----	----	-5.19 + 0.05		----	----	25 UNCH
DEC18	----	----	-5.31 + 0.04		----	----	25 UNCH
TOTAL MG FUT							3757
LY FUT	GULF COAST ULSD CALENDAR						
JUL17	----	----	1.4639 + 0.0004		----	----	374 UNCH
AUG17	----	----	1.4856 + 0.0016		----	48	326 UNCH
SEP17	----	----	1.4922 + 0.0030		----	48	325 UNCH
OCT17	----	----	1.4958 + 0.0037		----	48	347 UNCH
NOV17	----	----	1.4892 + 0.0046		----	48	344 UNCH
DEC17	----	----	1.4804 + 0.0057		----	48	344 UNCH
JAN18	----	----	1.4907 + 0.0067		----	28	82 UNCH
FEB18	----	----	1.5047 + 0.0073		----	28	82 UNCH
MAR18	----	----	1.5062 + 0.0076		----	28	82 UNCH
APR18	----	----	1.5027 + 0.0078		----	10	49 - 5
MAY18	----	----	1.5022 + 0.0081		----	10	49 - 5
JUN18	----	----	1.5062 + 0.0085		----	10	49 - 5
JUL18	----	----	1.5140 + 0.0084		----	10	49 - 5
AUG18	----	----	1.5198 + 0.0086		----	10	49 - 5
SEP18	----	----	1.5264 + 0.0086		----	10	49 - 5

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LY FUT	GULF COAST ULSD CALENDAR							
OCT18	----	----	1.5240 + 0.0087		----	10	49 -	5
NOV18	----	----	1.5186 + 0.0091		----	10	47 -	5
DEC18	----	----	1.5131 + 0.0091		----	10	47 -	5
TOTAL LY FUT						414	2743 -	45
GY FUT	GULF COAST ULSD CRACK SPREAD							
JUL17	----	----	15.57 - 0.16		----	----	250	UNCH
AUG17	----	----	16.01 - 0.50		----	----	880	UNCH
SEP17	----	----	16.09 - 0.43		----	----	880	UNCH
OCT17	----	----	16.03 - 0.37		----	----	160	UNCH
NOV17	----	----	15.53 - 0.29		----	----	160	UNCH
DEC17	----	----	14.95 - 0.24		----	----	160	UNCH
JAN18	----	----	15.22 - 0.19		----	----	50	UNCH
FEB18	----	----	15.69 - 0.14		----	----	50	UNCH
MAR18	----	----	15.64 - 0.13		----	----	50	UNCH
APR18	----	----	15.39 - 0.13		----	----	50	UNCH
MAY18	----	----	15.28 - 0.11		----	----	50	UNCH
JUN18	----	----	15.36 - 0.09		----	----	50	UNCH
JUL18	----	----	15.61 - 0.10		----	----	50	UNCH
AUG18	----	----	15.76 - 0.09		----	----	50	UNCH
SEP18	----	----	15.95 - 0.09		----	----	50	UNCH
OCT18	----	----	15.75 - 0.07		----	----	50	UNCH
NOV18	----	----	15.41 - 0.06		----	----	50	UNCH
DEC18	----	----	15.11 - 0.07		----	----	50	UNCH
TOTAL GY FUT								3090
GBB FUT	GULF CST UNL 87 GAS M2 V. RBOB BLMO							
06JUL17	----	----	-0.0482 + 0.0008		----	----	275	UNCH
07JUL17	----	----	-0.0489 + 0.0009		----	----	150	UNCH
11JUL17	----	----	-0.0511 + 0.0009		----	----	200	UNCH
14JUL17	----	----	-0.0548 + 0.0012		----	----	250	UNCH
17JUL17	----	----	-0.0553 + 0.0014		----	----	60	UNCH
18JUL17	----	----	-0.0555 + 0.0016		----	----	50	UNCH
TOTAL GBB FUT								985
GCM FUT	GULF UNL87 GAS M2 PLATTS F							
AUG17	----	----	1.5086 - 0.0006		----	----	42	UNCH
TOTAL GCM FUT								42
RVG FUT	GULF UNL87 M2 PL VS RBOB SPR F							
JUL17	----	----	-0.0476 + 0.0009		----	----	2185	UNCH
AUG17	----	----	-0.0250 UNCH		----	1015	5974 +	40
SEP17	----	----	0.0250 UNCH		----	260	3110 +	250
OCT17	----	----	0.0100 UNCH		----	----	980	UNCH
NOV17	----	----	-0.0275 UNCH		----	----	175	UNCH
DEC17	----	----	-0.0350 UNCH		----	----	2125	UNCH
JAN18	----	----	-0.0325 UNCH		----	8	83	UNCH
FEB18	----	----	-0.0250 UNCH		----	8	83	UNCH
MAR18	----	----	-0.1275 UNCH		----	8	83	UNCH
APR18	----	----	-0.1100 UNCH		----	8	8	UNCH
MAY18	----	----	-0.1050 UNCH		----	8	8	UNCH
JUN18	----	----	-0.1000 UNCH		----	8	8	UNCH
JUL18	----	----	-0.0800 UNCH		----	8	8	UNCH
AUG18	----	----	-0.0675 UNCH		----	8	8	UNCH
SEP18	----	----	0.0150 UNCH		----	8	8	UNCH
OCT18	----	----	-0.0050 UNCH		----	8	8	UNCH
NOV18	----	----	-0.0400 UNCH		----	8	8	UNCH
DEC18	----	----	-0.0600 UNCH		----	8	8	UNCH
TOTAL RVG FUT						1371	14870 +	290
1G FUT	HEATING OIL BALMO CLNDR							
06JUL17	----	----	1.5034 + 0.0005		----	----	100	UNCH
TOTAL 1G FUT								100
HOB FUT	HEATING OIL VS. BRENT CRACK SPREAD							
JUL17	----	----	14.660 - 0.132		----	----	1750	UNCH
AUG17	----	----	15.096 - 0.421		----	10	1490 -	10
SEP17	----	----	15.103 - 0.363		----	10	1490 -	10
OCT17	----	----	15.144 - 0.313		----	10	2005 -	10
NOV17	----	----	15.170 - 0.247		----	10	2005 -	10
DEC17	----	----	15.182 - 0.189		----	10	2093 -	10
JAN18	----	----	15.112 - 0.139		----	102	414 +	7
FEB18	----	----	14.909 - 0.115		----	102	414 +	7
MAR18	----	----	14.509 - 0.111		----	102	368 -	16
APR18	----	----	14.231 - 0.113		----	102	531 +	7
MAY18	----	----	14.061 - 0.100		----	102	361 +	7
JUN18	----	----	14.100 - 0.083		----	102	361 +	7
JUL18	----	----	14.213 - 0.087		----	102	326 +	7
AUG18	----	----	14.347 - 0.088		----	102	326 +	7

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	HEATING OIL VS. BRENT	CRACK SPREAD	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
HOB FUT						
SEP18	----	----	14.513 - 0.089	----	102	326 + 7
OCT18	----	----	14.723 - 0.085	----	102	351 + 7
NOV18	----	----	14.900 - 0.068	----	102	351 + 7
DEC18	----	----	15.046 - 0.079	----	102	351 + 7
JAN19	----	----	15.018 - 0.088	----	----	107 UNCH
FEB19	----	----	14.775 - 0.099	----	----	107 UNCH
MAR19	----	----	14.394 - 0.108	----	----	107 UNCH
APR19	----	----	14.279 - 0.109	----	----	107 UNCH
MAY19	----	----	14.226 - 0.119	----	----	107 UNCH
JUN19	----	----	14.390 - 0.128	----	----	107 UNCH
JUL19	----	----	14.627 - 0.129	----	----	107 UNCH
AUG19	----	----	14.920 - 0.138	----	----	107 UNCH
SEP19	----	----	15.229 - 0.148	----	----	107 UNCH
OCT19	----	----	15.512 - 0.127	----	----	107 UNCH
NOV19	----	----	15.706 - 0.116	----	----	107 UNCH
DEC19	----	----	15.928 - 0.105	----	----	107 UNCH
TOTAL HOB FUT					1274	16597 + 11
U9 FUT	ICE GASOIL BALMO					
10JUL17	----	----	448.188 - 0.468	----	----	3 UNCH
11JUL17	----	----	449.183 - 0.500	----	----	3 UNCH
TOTAL U9 FUT						6
JA FUT	JAPAN C&F NAPHTHA					
JUL17	----	----	421.71 + 0.82	----	----	436 UNCH
AUG17	----	----	430.90 + 3.52	----	----	471 UNCH
SEP17	----	----	432.27 + 3.44	----	----	159 UNCH
OCT17	----	----	433.15 + 3.31	----	----	142 UNCH
NOV17	----	----	433.95 + 3.36	----	----	92 UNCH
DEC17	----	----	434.57 + 3.24	----	----	95 UNCH
JAN18	----	----	434.73 + 2.93	----	----	58 UNCH
FEB18	----	----	434.61 + 3.13	----	----	53 UNCH
MAR18	----	----	433.64 + 3.45	----	----	53 UNCH
APR18	----	----	431.78 + 3.59	----	----	13 UNCH
MAY18	----	----	430.40 + 3.35	----	----	13 UNCH
JUN18	----	----	429.65 + 2.94	----	----	13 UNCH
JUL18	----	----	429.90 + 3.39	----	----	1 UNCH
AUG18	----	----	430.96 + 3.64	----	----	1 UNCH
SEP18	----	----	432.08 + 3.58	----	----	1 UNCH
OCT18	----	----	433.33 + 3.66	----	----	1 UNCH
NOV18	----	----	434.50 + 3.73	----	----	1 UNCH
DEC18	----	----	435.64 + 3.97	----	----	1 UNCH
TOTAL JA FUT						1604
JB FUT	JAPAN C&F NAPHTHA CRACK SPREAD					
JUL17	----	----	-1.07 - 0.06	----	----	517 UNCH
AUG17	----	----	-0.42 - 0.11	----	----	356 UNCH
SEP17	----	----	-0.53 - 0.10	----	----	413 UNCH
OCT17	----	----	-0.69 - 0.10	----	----	126 UNCH
NOV17	----	----	-0.82 - 0.06	----	----	126 UNCH
DEC17	----	----	-1.00 - 0.07	----	----	126 UNCH
JAN18	----	----	-1.17 - 0.09	----	----	111 UNCH
FEB18	----	----	-1.35 - 0.07	----	----	57 UNCH
MAR18	----	----	-1.60 - 0.04	----	----	57 UNCH
APR18	----	----	-1.94 - 0.04	----	----	10 UNCH
MAY18	----	----	-2.25 - 0.06	----	----	10 UNCH
TOTAL JB FUT						1909
E6 FUT	JAPAN NAPHTHA BALMO					
04JUL17	----	----	421.655 + 0.857	----	----	25 UNCH
10JUL17	----	----	422.624 + 1.072	----	----	65 UNCH
TOTAL E6 FUT						90
1T FUT	JET AVIA FUEL(PLTT) CRGS FOB M					
JUL17	----	----	468.498 - 0.369	----	----	12 UNCH
AUG17	----	----	472.455 - 1.005	----	----	12 UNCH
SEP17	----	----	473.107 - 0.762	----	----	12 UNCH
JAN18	----	----	473.122 - 0.342	----	----	1 UNCH
FEB18	----	----	473.765 - 0.262	----	----	1 UNCH
MAR18	----	----	474.440 - 0.262	----	----	1 UNCH
APR18	----	----	475.667 - 0.178	----	----	1 UNCH
MAY18	----	----	476.379 - 0.178	----	----	1 UNCH
JUN18	----	----	477.940 - 0.179	----	----	1 UNCH
JUL18	----	----	480.380 - 0.178	----	----	1 UNCH
AUG18	----	----	482.325 - 0.178	----	----	1 UNCH
SEP18	----	----	483.995 - 0.178	----	----	1 UNCH
OCT18	----	----	485.020 - 0.429	----	----	1 UNCH
NOV18	----	----	485.107 - 0.258	----	----	1 UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
1T FUT	JET AVIA FUEL(PLTT) CRGS FOB M							
DEC18	----	----	486.245 - 0.178		----	----	1	UNCH
TOTAL 1T FUT							48	
1V FUT	JET AVIA FUEL(PLTT) FOB V. ICE							
JUL17	----	----	21.462 - 0.012		----	----	5	UNCH
AUG17	----	----	20.607 + 0.071		----	----	5	UNCH
SEP17	----	----	20.607 + 0.071		----	----	5	UNCH
OCT17	----	----	21.233 - 0.053		----	----	5	UNCH
NOV17	----	----	21.607 + 0.071		----	----	5	UNCH
DEC17	----	----	21.607 + 0.071		----	----	5	UNCH
TOTAL 1V FUT							30	
JC FUT	JET CIF NWE VS ICE							
JUL17	----	----	34.02 - 0.04		----	----	85	UNCH
AUG17	----	----	32.75 UNCH		----	5	40 - 5	
SEP17	----	----	32.75 UNCH		----	5	40 - 5	
OCT17	----	----	33.38 - 0.12		----	----	20	UNCH
NOV17	----	----	33.75 UNCH		----	----	20	UNCH
DEC17	----	----	33.76 UNCH		----	----	20	UNCH
JAN18	----	----	34.34 - 0.08		----	5	35 - 3	
FEB18	----	----	34.34 - 0.08		----	5	35 - 3	
MAR18	----	----	34.33 - 0.09		----	5	35 - 3	
APR18	----	----	35.00 UNCH		----	----	26	UNCH
MAY18	----	----	35.00 UNCH		----	----	26	UNCH
JUN18	----	----	35.00 UNCH		----	----	26	UNCH
JUL18	----	----	35.50 UNCH		----	----	9	UNCH
AUG18	----	----	35.50 UNCH		----	----	9	UNCH
SEP18	----	----	35.50 UNCH		----	----	9	UNCH
OCT18	----	----	35.75 - 0.25		----	----	9	UNCH
NOV18	----	----	35.75 - 0.25		----	----	9	UNCH
DEC18	----	----	35.75 - 0.25		----	----	9	UNCH
JAN19	----	----	38.00 UNCH		----	----	4	UNCH
FEB19	----	----	38.01 UNCH		----	----	4	UNCH
MAR19	----	----	38.00 UNCH		----	----	4	UNCH
APR19	----	----	38.00 UNCH		----	----	4	UNCH
MAY19	----	----	38.00 UNCH		----	----	4	UNCH
JUN19	----	----	38.00 UNCH		----	----	4	UNCH
JUL19	----	----	38.00 UNCH		----	----	4	UNCH
AUG19	----	----	38.00 UNCH		----	----	4	UNCH
SEP19	----	----	38.00 UNCH		----	----	4	UNCH
OCT19	----	----	38.00 UNCH		----	----	4	UNCH
NOV19	----	----	38.00 UNCH		----	----	4	UNCH
DEC19	----	----	38.00 UNCH		----	----	4	UNCH
TOTAL JC FUT						25	510 - 19	
6X FUT	JET FUEL CRG CIF NEW VS ICE BLM							
07JUL17	----	----	33.437 - 0.049		----	----	2	UNCH
10JUL17	----	----	33.260 - 0.053		----	----	10	UNCH
14JUL17	----	----	32.681 - 0.069		----	----	10	UNCH
17JUL17	----	----	32.651 - 0.077		----	----	10	UNCH
18JUL17	----	----	32.642 - 0.083		----	----	10	UNCH
TOTAL 6X FUT							42	
1M FUT	JET FUEL UP-DOWN BALMO CLNDR S							
06JUL17	----	----	-0.0912 - 0.0002		----	----	650	UNCH
07JUL17	----	----	-0.0901 - 0.0002		----	----	1050	UNCH
10JUL17	----	----	-0.0891 - 0.0003		----	----	750	UNCH
11JUL17	----	----	-0.0885 - 0.0003		----	----	725	UNCH
12JUL17	----	----	-0.0887 - 0.0003		----	----	200	UNCH
17JUL17	----	----	-0.0878 - 0.0004		----	----	296	UNCH
18JUL17	----	----	-0.0876 - 0.0005		----	----	350	UNCH
19JUL17	----	----	-0.0870 - 0.0005		----	----	500	UNCH
TOTAL 1M FUT							4521	
KL FUT	LA CARB DIESEL (OPIS)							
JUL17	----	----	0.0448 + 0.0032		----	----	75	UNCH
AUG17	----	----	0.0375 UNCH		----	----	50	UNCH
SEP17	----	----	0.0325 UNCH		----	----	50	UNCH
TOTAL KL FUT							175	
JL FUT	LA CARBOB GASOLINE(OPIS)							
JUL17	----	----	0.0931 + 0.0040		----	----	325	UNCH
TOTAL JL FUT							325	
JS FUT	LA JET (OPIS)							
JUL17	----	----	0.0356 - 0.0011		----	----	785	UNCH
AUG17	----	----	-0.0075 - 0.0075		----	25	665 + 25	
SEP17	----	----	-0.0200 - 0.0075		----	60	490	UNCH
TOTAL JS FUT						85	1940 + 25	
MAS FUT	MIN ARGUS PROPANE SAUDI ARAMCO							

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	MIN	ARGUS	PROPANE	SAUDI	ARAMCO	SETTL. PRICE & PT. CHGE		GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
MAS FUT	MIN ARGUS PROPANE SAUDI ARAMCO										
AUG17	----	----	----	----	----	391.853 + 3.718		----	----	20	UNCH
TOTAL MAS FUT										20	
MNC FUT	MIN EURO NPHTHA CIF NWE										
JUL17	----	----	----	----	----	418.450 + 1.279		----	----	1792	UNCH
AUG17	----	----	----	----	----	421.395 + 3.774		----	53	1169 + 34	
SEP17	----	----	----	----	----	420.606 + 3.353		----	20	437 + 20	
OCT17	----	----	----	----	----	420.987 + 3.478		----	----	172	UNCH
NOV17	----	----	----	----	----	421.112 + 3.279		----	40	113 + 20	
DEC17	----	----	----	----	----	421.402 + 3.072		----	20	222 + 20	
JAN18	----	----	----	----	----	422.649 + 3.099		----	----	82	UNCH
FEB18	----	----	----	----	----	422.606 + 3.131		----	----	31	UNCH
MAR18	----	----	----	----	----	421.144 + 3.079		----	----	34	UNCH
APR18	----	----	----	----	----	419.192 + 3.133		----	----	29	UNCH
MAY18	----	----	----	----	----	418.070 + 3.143		----	----	29	UNCH
JUN18	----	----	----	----	----	417.274 + 2.644		----	----	29	UNCH
JUL18	----	----	----	----	----	417.401 + 3.019		----	----	22	UNCH
AUG18	----	----	----	----	----	418.330 + 3.142		----	----	22	UNCH
SEP18	----	----	----	----	----	419.456 + 3.083		----	----	39	UNCH
OCT18	----	----	----	----	----	420.577 + 3.038		----	----	29	UNCH
NOV18	----	----	----	----	----	421.623 + 2.982		----	----	29	UNCH
DEC18	----	----	----	----	----	422.642 + 2.971		----	----	29	UNCH
JAN19	----	----	----	----	----	423.616 + 2.891		----	----	2	UNCH
FEB19	----	----	----	----	----	424.100 + 2.891		----	----	2	UNCH
MAR19	----	----	----	----	----	424.553 + 3.065		----	----	2	UNCH
APR19	----	----	----	----	----	424.788 + 3.024		----	----	2	UNCH
MAY19	----	----	----	----	----	425.190 + 3.069		----	----	2	UNCH
JUN19	----	----	----	----	----	425.782 + 3.065		----	----	2	UNCH
JUL19	----	----	----	----	----	426.574 + 3.114		----	----	2	UNCH
AUG19	----	----	----	----	----	425.587 + 2.958		----	----	2	UNCH
SEP19	----	----	----	----	----	426.919 + 3.132		----	----	2	UNCH
OCT19	----	----	----	----	----	428.105 + 3.046		----	----	2	UNCH
NOV19	----	----	----	----	----	429.364 + 2.869		----	----	2	UNCH
DEC19	----	----	----	----	----	430.161 + 2.954		----	----	2	UNCH
TOTAL MNC FUT									133	4333 + 94	
MGF FUT	MIN GSL .1 PLTS CRGS CIFNWE VS GSL										
JUL17	----	----	----	----	----	-7.923 UNCH		----	----	7	UNCH
AUG17	----	----	----	----	----	-7.250 - 0.375		----	----	6	UNCH
SEP17	----	----	----	----	----	-6.625 - 0.250		----	----	6	UNCH
TOTAL MGF FUT										19	
MJN FUT	MIN JAPAN C&F NAPHTHA PLATTS										
JUL17	----	----	----	----	----	421.708 + 0.817		----	----	938	UNCH
AUG17	----	----	----	----	----	430.895 + 3.524		----	----	902	UNCH
SEP17	----	----	----	----	----	432.273 + 3.436		----	----	221 - 20	
OCT17	----	----	----	----	----	433.154 + 3.311		----	----	40	UNCH
NOV17	----	----	----	----	----	433.945 + 3.362		----	----	20	UNCH
DEC17	----	----	----	----	----	434.568 + 3.238		----	----	20	UNCH
TOTAL MJN FUT										2141 - 20	
MJC FUT	MIN JETKERO CRGOS CIF NWE VS GASOIL										
JUL17	----	----	----	----	----	34.020 - 0.039		----	----	45	UNCH
AUG17	----	----	----	----	----	32.750 UNCH		----	----	75	UNCH
SEP17	----	----	----	----	----	32.750 UNCH		----	----	55	UNCH
OCT17	----	----	----	----	----	33.380 - 0.120		----	----	10	UNCH
NOV17	----	----	----	----	----	33.750 UNCH		----	----	110	UNCH
DEC17	----	----	----	----	----	33.760 UNCH		----	----	10	UNCH
JAN18	----	----	----	----	----	34.340 - 0.080		----	----	35	UNCH
FEB18	----	----	----	----	----	34.340 - 0.080		----	----	30	UNCH
MAR18	----	----	----	----	----	34.330 - 0.090		----	----	40	UNCH
APR18	----	----	----	----	----	35.000 UNCH		----	----	30	UNCH
MAY18	----	----	----	----	----	35.000 UNCH		----	----	5	UNCH
JUN18	----	----	----	----	----	35.000 UNCH		----	----	5	UNCH
JUL19	----	----	----	----	----	38.000 UNCH		----	----	10	UNCH
AUG19	----	----	----	----	----	38.000 UNCH		----	----	10	UNCH
SEP19	----	----	----	----	----	38.000 UNCH		----	----	10	UNCH
TOTAL MJC FUT										480	
MTB FUT	MIN SPORE FUELOIL380CST(PLTS) BALMO										
05JUL17	----	----	----	----	----	291.152 + 1.004		----	----	30	UNCH
06JUL17	----	----	----	----	----	290.709 + 1.060		----	----	25	UNCH
07JUL17	----	----	----	----	----	290.605 + 1.122		----	----	30	UNCH
10JUL17	----	----	----	----	----	290.835 + 1.191		----	----	30	UNCH
11JUL17	----	----	----	----	----	291.263 + 1.272		----	----	40	UNCH
12JUL17	----	----	----	----	----	292.098 + 1.362		----	----	40	UNCH
13JUL17	----	----	----	----	----	292.328 + 1.467		----	----	35	UNCH
14JUL17	----	----	----	----	----	292.868 + 1.589		----	----	40	UNCH

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		GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
TOTAL	MTB FUT						270		
UCM FUT	MIN ULSD 10PPM CRGOS CIF MED VS GSL								
JUL17		----	----	9.279 - 0.030	----	----	38	UNCH	
AUG17		----	----	8.708 - 0.209	----	----	42	UNCH	
SEP17		----	----	8.000 UNCH	----	----	25	UNCH	
OCT17		----	----	7.875 - 0.125	----	----	13	UNCH	
NOV17		----	----	7.250 - 0.084	----	----	13	UNCH	
DEC17		----	----	7.250 - 0.083	----	----	43	UNCH	
TOTAL	UCM FUT						174		
MGN FUT	MIN ULSD 10PPM CRGS CIF NWE VS GSL								
JUL17		----	----	5.357 - 0.125	----	----	80	UNCH	
AUG17		----	----	5.250 - 0.437	----	----	120	UNCH	
SEP17		----	----	5.313 - 0.187	----	----	90	UNCH	
OCT17		----	----	5.750 UNCH	----	----	40	UNCH	
NOV17		----	----	5.438 + 0.063	----	----	50	UNCH	
DEC17		----	----	5.438 + 0.063	----	----	100	UNCH	
JAN18		----	----	5.250 UNCH	----	----	12	UNCH	
FEB18		----	----	5.250 UNCH	----	----	12	UNCH	
MAR18		----	----	5.250 UNCH	----	----	12	UNCH	
APR18		----	----	5.312 + 0.062	----	----	2	UNCH	
MAY18		----	----	5.312 + 0.062	----	----	2	UNCH	
JUN18		----	----	5.313 + 0.063	----	----	2	UNCH	
JUL18		----	----	5.125 - 0.125	----	----	2	UNCH	
AUG18		----	----	5.125 - 0.125	----	----	2	UNCH	
SEP18		----	----	5.125 - 0.125	----	----	2	UNCH	
OCT18		----	----	5.375 UNCH	----	----	2	UNCH	
NOV18		----	----	5.375 UNCH	----	----	2	UNCH	
DEC18		----	----	5.375 UNCH	----	----	2	UNCH	
TOTAL	MGN FUT						534		
MFD FUT	MINI 1% FUEL OIL CAR MED								
JUL17		----	----	282.555 + 0.826	----	----	36	UNCH	
AUG17		----	----	286.911 + 3.466	----	----	25	UNCH	
TOTAL	MFD FUT						61		
MMF FUT	MINI 3.5% FUEL OIL CAR MED								
JUL17		----	----	277.991 + 0.092	----	----	12	UNCH	
AUG17		----	----	277.848 + 3.278	----	----	22	UNCH	
SEP17		----	----	276.089 + 3.175	----	----	7	UNCH	
OCT17		----	----	274.308 + 3.405	----	----	6	UNCH	
NOV17		----	----	272.047 + 3.258	----	----	6	UNCH	
DEC17		----	----	270.058 + 3.197	----	----	6	UNCH	
JAN18		----	----	271.691 + 3.197	----	----	2	UNCH	
FEB18		----	----	272.424 + 3.112	----	----	2	UNCH	
MAR18		----	----	273.177 + 3.111	----	----	2	UNCH	
APR18		----	----	273.744 + 3.175	----	----	2	UNCH	
MAY18		----	----	274.246 + 3.175	----	----	2	UNCH	
JUN18		----	----	274.505 + 3.205	----	----	2	UNCH	
JUL18		----	----	274.755 + 3.205	----	----	2	UNCH	
AUG18		----	----	275.005 + 3.330	----	----	2	UNCH	
SEP18		----	----	274.713 + 3.330	----	----	2	UNCH	
OCT18		----	----	274.422 + 3.330	----	----	2	UNCH	
NOV18		----	----	274.130 + 3.330	----	----	2	UNCH	
DEC18		----	----	274.005 + 3.330	----	----	2	UNCH	
JAN19		----	----	273.880 + 3.330	----	----	2	UNCH	
FEB19		----	----	273.755 + 3.330	----	----	2	UNCH	
MAR19		----	----	273.547 + 3.289	----	----	2	UNCH	
APR19		----	----	273.338 + 3.246	----	----	2	UNCH	
MAY19		----	----	273.130 + 3.205	----	----	2	UNCH	
JUN19		----	----	271.168 + 3.224	----	----	2	UNCH	
TOTAL	MMF FUT						95		
MAE FUT	MINI ARGUS PROPANE FAR EAST IDX								
JUL17		----	----	386.683 + 1.219	----	----	10	UNCH	
AUG17		----	----	405.450 + 5.793	----	10	20	+ 10	
TOTAL	MAE FUT					10	30	+ 10	
TO FUT	MINI EU 1%FO BARGE FOB RDAM FUT								
JUL17		----	----	278.114 + 1.219	----	----	53	UNCH	
AUG17		----	----	280.473 + 3.715	----	----	53	UNCH	
SEP17		----	----	281.672 + 3.133	----	----	54	UNCH	
OCT17		----	----	282.454 + 3.217	----	----	53	UNCH	
NOV17		----	----	283.651 + 3.258	----	----	53	UNCH	
DEC17		----	----	283.787 + 3.259	----	----	53	UNCH	
JAN18		----	----	285.816 + 3.197	----	----	23	UNCH	
FEB18		----	----	287.424 + 3.237	----	----	23	UNCH	
MAR18		----	----	288.177 + 3.236	----	----	23	UNCH	
APR18		----	----	289.119 + 3.300	----	----	7	UNCH	

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	MINI	EU	1%FO	BARGE	FOB	RDAM	FUT	SETT. PRICE & PT. CHGE	+	-	GLOBALX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
T0 FUT														
MAY18			----					289.871	+	3.300	----	----	7	UNCH
JUN18			----					290.380	+	3.330	----	----	7	UNCH
OCT18			----					291.346	+	3.351	----	----	18	UNCH
NOV18			----					291.338	+	3.330	----	----	18	UNCH
DEC18			----					292.547	+	3.330	----	----	18	UNCH
TOTAL T0 FUT													463	
0B FUT														
JUL17			----					280.650	+	1.124	----	----	85	UNCH
AUG17			----					284.161	+	3.716	----	----	20	UNCH
TOTAL 0B FUT													105	
0E FUT														
04JUL17			----					278.333	+	1.080	----	----	40	UNCH
05JUL17			----					277.942	+	1.137	----	----	40	UNCH
07JUL17			----					278.068	+	1.271	----	----	30	UNCH
11JUL17			----					279.310	+	1.440	----	----	35	UNCH
13JUL17			----					280.838	+	1.661	----	----	30	UNCH
14JUL17			----					281.117	+	1.800	----	----	20	UNCH
17JUL17			----					281.332	+	1.964	----	----	20	UNCH
18JUL17			----					281.490	+	2.160	----	----	30	UNCH
20JUL17			----					281.488	+	2.701	----	----	20	UNCH
TOTAL 0E FUT													265	
0D FUT														
JUL17			----					278.710	+	1.029	----	----	1087	UNCH
AUG17			----					280.098	+	3.278	----	200	1552 +	180
SEP17			----					278.172	+	3.258	----	8	731 -	8
OCT17			----					276.183	+	3.280	----	----	788	UNCH
NOV17			----					274.172	+	3.258	----	----	604	UNCH
DEC17			----					272.183	+	3.197	----	----	584	UNCH
JAN18			----					273.691	+	3.197	----	----	119	UNCH
FEB18			----					274.424	+	3.112	----	----	110	UNCH
MAR18			----					275.177	+	3.111	----	----	109	UNCH
APR18			----					275.744	+	3.175	----	----	129	UNCH
MAY18			----					276.246	+	3.175	----	----	100	UNCH
JUN18			----					276.505	+	3.205	----	----	111	UNCH
JUL18			----					276.755	+	3.205	----	----	86	UNCH
AUG18			----					276.755	+	3.330	----	----	87	UNCH
SEP18			----					276.630	+	3.330	----	----	85	UNCH
OCT18			----					276.380	+	3.330	----	----	93	UNCH
NOV18			----					275.880	+	3.330	----	----	84	UNCH
DEC18			----					274.505	+	3.330	----	----	85	UNCH
JAN19			----					275.505	+	3.330	----	5	10 -	5
FEB19			----					275.755	+	3.330	----	5	10 -	5
MAR19			----					275.880	+	3.330	----	5	10 -	5
APR19			----					275.755	+	3.330	----	5	10 -	5
MAY19			----					275.130	+	3.205	----	5	10 -	5
JUN19			----					274.130	+	3.205	----	5	10 -	5
JUL19			----					272.755	+	3.455	----	5	10 -	5
AUG19			----					270.755	+	3.455	----	5	10 -	5
SEP19			----					267.880	+	3.455	----	5	10 -	5
OCT19			----					262.755	+	3.455	----	5	10 -	5
NOV19			----					256.130	+	3.455	----	5	10 -	5
DEC19			----					249.380	+	3.455	----	5	10 -	5
TOTAL 0D FUT												268	6664 +	112
MUD FUT														
JUL17			----					-0.009	-	0.068	----	----	63	UNCH
AUG17			----					-0.250		UNCH	----	----	50	UNCH
SEP17			----					-0.458	-	0.146	----	----	60	UNCH
OCT17			----					0.500	+	0.250	----	----	42	UNCH
NOV17			----					0.292	+	0.104	----	----	42	UNCH
DEC17			----					0.292	+	0.104	----	----	42	UNCH
TOTAL MUD FUT													299	
MEN FUT														
04JUL17			----					418.360	+	1.343	----	----	20	UNCH
05JUL17			----					418.221	+	1.414	----	----	53	UNCH
06JUL17			----					418.858	+	1.492	----	----	45	UNCH
07JUL17			----					419.070	+	1.580	----	----	57	UNCH
13JUL17			----					422.976	+	2.066	----	----	10	UNCH
17JUL17			----					424.722	+	2.442	----	----	10	UNCH
18JUL17			----					425.219	+	2.686	----	----	40	UNCH
19JUL17			----					425.716	+	2.985	----	----	55	UNCH
TOTAL MEN FUT													290	
MEO FUT														
JUL17			----					504.069	+	0.063	----	12	2418	UNCH

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	MINI	GAS	EUROBOB	OXY	BARGES	SETT. PRICE & PT. CHGE	+	-	GLOBALX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
MEO FUT													
AUG17						507.857	+	1.015		210	1997	+	158
SEP17						503.394	+	0.679		51	652	+	11
OCT17						476.131	+	1.232			221		UNCH
NOV17						467.991	+	1.033			119		UNCH
DEC17						463.630	+	1.277			238		UNCH
APR18						510.073	+	1.959			2		UNCH
MAY18						512.478	+	2.642			2		UNCH
JUN18						512.539	+	2.270			2		UNCH
TOTAL MEO FUT										273	5651	+	169
MEB FUT													
05JUL17						504.155	+	0.070			38		UNCH
06JUL17						504.261	+	0.074			220		UNCH
07JUL17						504.614	+	0.078			225		UNCH
10JUL17						505.403	+	0.083			20		UNCH
11JUL17						506.580	+	0.089			50		UNCH
12JUL17						507.818	+	0.095			20		UNCH
TOTAL MEB FUT											573		
E6M FUT													
05JUL17						421.519	+	0.903			30		UNCH
TOTAL E6M FUT											30		
MXB FUT													
JUL17						0.1069	-	0.0021			1179		UNCH
AUG17						0.0820	-	0.0035		90	1602	-	45
SEP17						-0.0078	+	0.0009			198		UNCH
OCT17						0.0476	+	0.0009			189		UNCH
NOV17						0.0533	+	0.0020			189		UNCH
DEC17						0.0670	+	0.0022			189		UNCH
TOTAL MXB FUT										90	3546	-	45
MXR FUT													
05JUL17						0.1074	-	0.0022			244		UNCH
06JUL17						0.1096	-	0.0024			158		UNCH
TOTAL MXR FUT											402		
MTS FUT													
JUL17						291.885	+	0.908			2285		UNCH
AUG17						291.273	+	3.008		140	2166	+	92
SEP17						291.097	+	2.838		10	768	+	10
OCT17						290.795	+	3.147			634		UNCH
NOV17						290.197	+	3.088			586		UNCH
DEC17						289.845	+	3.001			677		UNCH
JAN18						289.366	+	3.247			218		UNCH
FEB18						289.074	+	3.162			172		UNCH
MAR18						289.202	+	3.161			128		UNCH
APR18						289.444	+	3.275			125		UNCH
MAY18						289.796	+	3.325			103		UNCH
JUN18						289.905	+	3.405			107		UNCH
JUL18						289.868	+	3.433			57		UNCH
AUG18						290.205	+	3.460			57		UNCH
SEP18						290.763	+	3.416			51		UNCH
OCT18						291.322	+	3.374			50		UNCH
NOV18						291.880	+	3.330			50		UNCH
DEC18						291.700	+	3.188			59		UNCH
JAN19						291.520	+	3.046			39		UNCH
FEB19						291.340	+	2.904			39		UNCH
MAR19						291.660	+	2.761			39		UNCH
APR19						291.980	+	2.619			109		UNCH
MAY19						292.300	+	2.477			109		UNCH
JUN19						290.421	+	2.486			109		UNCH
JUL19						288.542	+	2.494			109		UNCH
AUG19						286.662	+	2.502			109		UNCH
SEP19						284.783	+	2.510			105		UNCH
OCT19						282.904	+	2.519			35		UNCH
NOV19						281.025	+	2.527			35		UNCH
DEC19						279.145	+	2.535			35		UNCH
JAN20						277.266	+	2.543			4		UNCH
APR20						271.628	+	2.568			5		UNCH
MAY20						269.749	+	2.576			5		UNCH
JUN20						267.870	+	2.585			5		UNCH
JUL20						268.740	+	2.671			5		UNCH
AUG20						269.611	+	2.758			5		UNCH
SEP20						270.481	+	2.844			5		UNCH
TOTAL MTS FUT										150	9199	+	102
OF FUT													
JUL17						297.691	+	0.897			573		UNCH

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OF FUT	MINI SINGAPORE FO 180 CST FUT					
AUG17	----	----	297.273 + 3.008	----	45	598 + 35
SEP17	----	----	297.097 + 2.838	----	----	52 UNCH
OCT17	----	----	297.233 + 3.210	----	----	52 UNCH
NOV17	----	----	296.697 + 3.088	----	----	52 UNCH
DEC17	----	----	296.408 + 3.002	----	----	72 UNCH
JAN18	----	----	296.241 + 3.247	----	----	6 UNCH
FEB18	----	----	296.074 + 3.162	----	----	6 UNCH
MAR18	----	----	296.327 + 3.161	----	----	6 UNCH
APR18	----	----	296.944 + 3.275	----	----	6 UNCH
MAY18	----	----	297.296 + 3.325	----	----	6 UNCH
JUN18	----	----	297.405 + 3.405	----	----	6 UNCH
JUL18	----	----	297.618 + 3.433	----	----	6 UNCH
AUG18	----	----	297.830 + 3.460	----	----	6 UNCH
SEP18	----	----	298.430 + 3.417	----	----	6 UNCH
OCT18	----	----	299.030 + 3.373	----	----	6 UNCH
NOV18	----	----	299.630 + 3.330	----	----	6 UNCH
DEC18	----	----	299.950 + 3.188	----	----	6 UNCH
TOTAL OF FUT					45	1471 + 35
MSG FUT	MINI SINGAPORE GASOIL PLATS FUT					
JUL17	----	----	60.258 - 0.188	----	----	212 UNCH
AUG17	----	----	60.452 - 0.034	----	10	70 UNCH
TOTAL MSG FUT					10	282
IN FUT	MOGAS92 UNLEADED (PLATTS)					
JUL17	----	----	58.476 - 0.044	----	----	2471 UNCH
AUG17	----	----	58.517 - 0.035	----	----	975 UNCH
SEP17	----	----	57.852 - 0.082	----	----	2150 UNCH
OCT17	----	----	57.325 + 0.006	----	200	445 - 200
NOV17	----	----	57.008 + 0.034	----	200	500 + 165
DEC17	----	----	56.785 + 0.033	----	----	2965 UNCH
MAR18	----	----	57.676 + 0.152	----	----	200 UNCH
APR18	----	----	58.033 + 0.255	----	----	450 UNCH
MAY18	----	----	57.892 + 0.327	----	----	110 UNCH
JUN18	----	----	57.739 + 0.327	----	----	215 UNCH
JUL18	----	----	57.517 + 0.332	----	----	300 UNCH
AUG18	----	----	57.280 + 0.320	----	----	150 UNCH
NOV18	----	----	56.849 + 0.159	----	----	150 UNCH
DEC18	----	----	56.686 + 0.176	----	----	75 UNCH
TOTAL IN FUT					400	11156 - 35
1P FUT	MOGAS92 UNLEADED (PLTS) BLM SW					
07JUL17	----	----	58.573 - 0.053	----	----	50 UNCH
14JUL17	----	----	59.127 - 0.076	----	----	7 UNCH
TOTAL 1P FUT						57
MBL FUT	MT BELVIEU LDH ISO-BUTANE(OPIS)					
JUL17	----	----	0.78181 + 0.00875	----	----	43 UNCH
AUG17	----	----	0.81250 + 0.01625	----	----	30 UNCH
SEP17	----	----	0.81375 + 0.01375	----	----	30 UNCH
OCT17	----	----	0.81500 + 0.01375	----	----	25 UNCH
TOTAL MBL FUT						128
NOB FUT	NAPHTHA (PLATTS) NWE CRACK					
JUL17	----	----	-1.436 - 0.009	----	----	299 UNCH
AUG17	----	----	-1.484 - 0.085	----	16	200 + 15
SEP17	----	----	-1.843 - 0.112	----	1	112 UNCH
OCT17	----	----	-2.058 - 0.078	----	1	104 UNCH
NOV17	----	----	-2.265 - 0.072	----	1	104 UNCH
DEC17	----	----	-2.481 - 0.083	----	1	109 UNCH
JAN18	----	----	-2.528 - 0.071	----	----	84 UNCH
FEB18	----	----	-2.694 - 0.069	----	----	84 UNCH
MAR18	----	----	-3.006 - 0.084	----	----	84 UNCH
APR18	----	----	-3.357 - 0.088	----	----	14 UNCH
MAY18	----	----	-3.632 - 0.087	----	----	14 UNCH
JUN18	----	----	-3.850 - 0.143	----	----	14 UNCH
JUL18	----	----	-3.946 - 0.101	----	----	9 UNCH
AUG18	----	----	-3.952 - 0.097	----	----	9 UNCH
SEP18	----	----	-3.936 - 0.103	----	----	9 UNCH
OCT18	----	----	-3.919 - 0.108	----	----	11 UNCH
NOV18	----	----	-3.923 - 0.115	----	----	11 UNCH
DEC18	----	----	-3.956 - 0.127	----	----	11 UNCH
TOTAL NOB FUT					20	1282 + 15
NBB FUT	NAPHTHA (PLATTS) NWE CRACK BALMO SW					
07JUL17	----	----	-1.285 - 0.011	----	----	5 UNCH
TOTAL NBB FUT						5
NYF FUT	NEW YORK FUEL OIL 1% V. EURO 1% FO					
JUL17	----	----	0.733 - 0.017	----	----	50 UNCH

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NYF FUT	NEW YORK FUEL OIL 1% V. EURO 1% FO							
AUG17	----	----	-0.370 - 0.205		----	----	50	UNCH
SEP17	----	----	-0.689 - 0.084		----	----	50	UNCH
JAN18	----	----	-0.913 + 0.017		----	----	25	UNCH
FEB18	----	----	-1.066 + 0.011		----	----	25	UNCH
MAR18	----	----	-1.105 - 0.010		----	----	25	UNCH
TOTAL NYF FUT							225	
UT FUT	NO 2 UP-DOWN SPREAD CALENDAR							
JUL17	----	----	-0.2000 + 0.0050		----	----	670	UNCH
AUG17	----	----	-0.1950 UNCH		----	----	645	UNCH
SEP17	----	----	-0.1925 UNCH		----	----	575	UNCH
TOTAL UT FUT							1890	
88 FUT	NWE EUR FUEL OIL HGHLOW SULF BALMO							
07JUL17	----	----	1.897 + 0.118		----	----	5	UNCH
TOTAL 88 FUT							5	
FOC FUT	NY 3% FUEL OIL V GULF COAST NO6 3%							
JUL17	----	----	0.634 + 0.021		----	----	1278	UNCH
AUG17	----	----	0.500 UNCH		----	----	140	UNCH
SEP17	----	----	0.575 UNCH		----	----	140	UNCH
OCT17	----	----	0.575 + 0.005		----	----	140	UNCH
NOV17	----	----	0.733 + 0.005		----	----	140	UNCH
DEC17	----	----	0.733 - 0.010		----	----	140	UNCH
TOTAL FOC FUT							1978	
H1 FUT	NY 3.0% FUEL OIL (PLATTS)							
JUL17	----	----	44.624 + 0.043		----	----	550	UNCH
AUG17	----	----	44.050 + 0.350		----	----	25	UNCH
TOTAL H1 FUT							575	
JET FUT	NY BUCKEYE JET FUEL VS NY HARB ULSD							
JUL17	----	----	-0.0361 + 0.0009		----	----	1436	UNCH
AUG17	----	----	-0.0500 + 0.0008		----	----	659	UNCH
SEP17	----	----	-0.0500 + 0.0037		----	----	331	UNCH
OCT17	----	----	-0.0500 + 0.0037		----	----	181	UNCH
NOV17	----	----	-0.0500 + 0.0037		----	----	181	UNCH
DEC17	----	----	-0.0500 + 0.0037		----	----	181	UNCH
TOTAL JET FUT							2969	
NLS FUT	NY HARBOR LOW SULPUR GAS 1000MBBL							
JUL17	----	----	0.0740 + 0.0016		----	----	75	UNCH
AUG17	----	----	0.0780 + 0.0055		----	----	125	UNCH
SEP17	----	----	0.0826 + 0.0057		----	----	125	UNCH
OCT17	----	----	0.0919 + 0.0056		----	----	135	UNCH
NOV17	----	----	0.1028 + 0.0062		----	----	135	UNCH
DEC17	----	----	0.1095 + 0.0073		----	----	135	UNCH
JAN18	----	----	0.1096 + 0.0078		----	----	15	UNCH
FEB18	----	----	0.1065 + 0.0081		----	----	15	UNCH
MAR18	----	----	0.0984 + 0.0084		----	----	15	UNCH
APR18	----	----	0.0931 + 0.0086		----	----	15	UNCH
MAY18	----	----	0.0903 + 0.0089		----	----	15	UNCH
JUN18	----	----	0.0893 + 0.0093		----	----	15	UNCH
JUL18	----	----	0.0884 + 0.0092		----	----	15	UNCH
AUG18	----	----	0.0880 + 0.0094		----	----	15	UNCH
SEP18	----	----	0.0892 + 0.0094		----	----	15	UNCH
OCT18	----	----	0.0944 + 0.0095		----	----	15	UNCH
NOV18	----	----	0.1012 + 0.0094		----	----	15	UNCH
DEC18	----	----	0.1046 + 0.0091		----	----	15	UNCH
TOTAL NLS FUT							910	
MM FUT	NY HARBOR RESIDUAL FUEL 1.0% S							
JUL17	----	----	44.93 + 0.16		----	----	811	UNCH
AUG17	----	----	44.38 + 0.38		----	----	797	UNCH
SEP17	----	----	44.23 + 0.41		----	----	561	UNCH
OCT17	----	----	44.22 + 0.47		----	----	200	UNCH
NOV17	----	----	44.18 + 0.48		----	----	211	UNCH
DEC17	----	----	44.17 + 0.52		----	----	200	UNCH
JAN18	----	----	44.55 + 0.52		----	----	106	UNCH
FEB18	----	----	44.65 + 0.52		----	----	81	UNCH
MAR18	----	----	44.73 + 0.50		----	----	84	UNCH
TOTAL MM FUT							3051	
7Y FUT	NY ULSD(ARGUS) VS HO SPREAD							
JUL17	----	----	-0.0020 - 0.0020		----	----	151	UNCH
AUG17	----	----	-0.0060 - 0.0005		----	----	152	UNCH
SEP17	----	----	-0.0070 - 0.0005		----	----	157	UNCH
OCT17	----	----	-0.0171 UNCH		----	----	77	UNCH
NOV17	----	----	-0.0151 UNCH		----	----	70	UNCH
DEC17	----	----	-0.0049 UNCH		----	----	280	UNCH
JAN18	----	----	0.0072 UNCH		----	----	33	UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
7Y FUT	NY ULSD(ARGUS) VS HO SPREAD							
FEB18	----	----	0.0072 UNCH		----	----	32	UNCH
MAR18	----	----	0.0072 UNCH		----	----	37	UNCH
APR18	----	----	0.0072 UNCH		----	----	41	UNCH
MAY18	----	----	0.0070 UNCH		----	----	39	UNCH
JUN18	----	----	0.0060 UNCH		----	----	35	UNCH
JUL18	----	----	0.0070 UNCH		----	----	23	UNCH
AUG18	----	----	0.0070 UNCH		----	----	24	UNCH
SEP18	----	----	0.0070 UNCH		----	----	22	UNCH
OCT18	----	----	0.0070 UNCH		----	----	16	UNCH
NOV18	----	----	0.0070 UNCH		----	----	8	UNCH
DEC18	----	----	0.0070 UNCH		----	----	6	UNCH
JAN19	----	----	0.0071 UNCH		----	----	1	UNCH
FEB19	----	----	0.0071 UNCH		----	----	1	UNCH
APR19	----	----	0.0071 UNCH		----	----	1	UNCH
MAY19	----	----	0.0071 UNCH		----	----	1	UNCH
TOTAL 7Y FUT							1207	
VR FUT	NY1% VS GC SPREAD							
JUL17	----	----	0.932 + 0.131		----	----	649	UNCH
AUG17	----	----	0.833 + 0.033		----	----	668	UNCH
SEP17	----	----	1.033 - 0.034		----	----	567	UNCH
OCT17	----	----	1.167 - 0.043		----	----	423	UNCH
NOV17	----	----	1.316 - 0.027		----	----	423	UNCH
DEC17	----	----	1.500 + 0.007		----	----	723	UNCH
JAN18	----	----	1.683 + 0.007		----	----	250	UNCH
FEB18	----	----	1.710 + 0.024		----	----	250	UNCH
MAR18	----	----	1.736 + 0.006		----	----	205	UNCH
APR18	----	----	1.770 - 0.010		----	----	80	UNCH
MAY18	----	----	1.803 - 0.027		----	----	80	UNCH
JUN18	----	----	1.800 UNCH		----	----	80	UNCH
JUL18	----	----	1.866 - 0.023		----	----	25	UNCH
AUG18	----	----	1.916 - 0.023		----	----	25	UNCH
SEP18	----	----	1.941 - 0.023		----	----	25	UNCH
OCT18	----	----	1.980 - 0.056		----	----	25	UNCH
NOV18	----	----	2.030 - 0.056		----	----	25	UNCH
DEC18	----	----	2.080 - 0.056		----	----	25	UNCH
TOTAL VR FUT							4548	
HK FUT	NYH NO 2 CRACK SPREAD CAL							
JUL17	----	----	17.13 - 0.15		----	----	500	UNCH
AUG17	----	----	17.54 - 0.48		----	46	541 - 15	
SEP17	----	----	17.63 - 0.42		----	46	549 - 15	
OCT17	----	----	17.71 - 0.37		----	46	1038	UNCH
NOV17	----	----	17.73 - 0.30		----	46	1038	UNCH
DEC17	----	----	17.78 - 0.24		----	46	1038	UNCH
JAN18	----	----	17.74 - 0.19		----	25	193	UNCH
FEB18	----	----	17.58 - 0.14		----	25	193	UNCH
MAR18	----	----	17.22 - 0.13		----	25	193	UNCH
APR18	----	----	16.97 - 0.12		----	25	193	UNCH
MAY18	----	----	16.86 - 0.11		----	25	193	UNCH
JUN18	----	----	16.94 - 0.09		----	25	193	UNCH
JUL18	----	----	17.08 - 0.10		----	25	173	UNCH
AUG18	----	----	17.23 - 0.09		----	25	173	UNCH
SEP18	----	----	17.42 - 0.09		----	25	173	UNCH
OCT18	----	----	17.64 - 0.07		----	25	198	UNCH
NOV18	----	----	17.83 - 0.05		----	25	198	UNCH
DEC18	----	----	18.05 - 0.07		----	25	198	UNCH
JAN19	----	----	18.08 - 0.06		----	----	12	UNCH
FEB19	----	----	17.91 - 0.07		----	----	12	UNCH
MAR19	----	----	17.55 - 0.07		----	----	12	UNCH
APR19	----	----	17.44 - 0.07		----	----	12	UNCH
MAY19	----	----	17.45 - 0.07		----	----	12	UNCH
JUN19	----	----	17.68 - 0.07		----	----	12	UNCH
JUL19	----	----	17.94 - 0.08		----	----	12	UNCH
AUG19	----	----	18.25 - 0.08		----	----	12	UNCH
SEP19	----	----	18.52 - 0.08		----	----	12	UNCH
OCT19	----	----	18.74 - 0.05		----	----	12	UNCH
NOV19	----	----	18.94 - 0.04		----	----	12	UNCH
DEC19	----	----	19.21 - 0.02		----	----	12	UNCH
TOTAL HK FUT						530	7119 - 30	
BH FUT	NYMEX HEATING OIL FUTURES							
AUG17	----	----	1.5169 + 0.0017		----	----	19	UNCH
SEP17	----	----	1.5221 + 0.0021		----	----	19	UNCH
OCT17	----	----	1.5287 + 0.0030		----	----	19	UNCH
NOV17	----	----	1.5358 + 0.0037		----	----	19	UNCH
DEC17	----	----	1.5417 + 0.0046		----	----	19	UNCH

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ENERGY FUTURES PRODUCTS

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BH FUT NYMEX HEATING OIL FUTURES						
JAN18	----	----	1.5479 + 0.0057	----	----	18 UNCH
FEB18	----	----	1.5507 + 0.0067	----	----	18 UNCH
MAR18	----	----	1.5497 + 0.0073	----	----	18 UNCH
APR18	----	----	1.5437 + 0.0076	----	----	18 UNCH
MAY18	----	----	1.5402 + 0.0078	----	----	18 UNCH
JUN18	----	----	1.5397 + 0.0081	----	----	18 UNCH
JUL18	----	----	1.5437 + 0.0085	----	----	18 UNCH
AUG18	----	----	1.5490 + 0.0084	----	----	18 UNCH
SEP18	----	----	1.5548 + 0.0086	----	----	18 UNCH
OCT18	----	----	1.5614 + 0.0086	----	----	18 UNCH
NOV18	----	----	1.5690 + 0.0087	----	----	18 UNCH
DEC18	----	----	1.5761 + 0.0091	----	----	18 UNCH
TOTAL BH FUT						311
MP FUT NYMEX NY HARBOR HEAT OIL CLNDR						
JUL17	----	----	1.5027 + 0.0005	----	----	1428 UNCH
AUG17	----	----	1.5221 + 0.0021	----	121	1623 + 51
SEP17	----	----	1.5287 + 0.0030	----	113	1623 + 43
OCT17	----	----	1.5358 + 0.0037	----	67	1016 - 43
NOV17	----	----	1.5417 + 0.0046	----	145	873 + 35
DEC17	----	----	1.5479 + 0.0057	----	67	799 - 43
JAN18	----	----	1.5507 + 0.0067	----	12	268 UNCH
FEB18	----	----	1.5497 + 0.0073	----	12	267 UNCH
MAR18	----	----	1.5437 + 0.0076	----	12	261 UNCH
APR18	----	----	1.5402 + 0.0078	----	12	245 - 8
MAY18	----	----	1.5397 + 0.0081	----	12	238 - 8
JUN18	----	----	1.5437 + 0.0085	----	12	237 - 8
JUL18	----	----	1.5490 + 0.0084	----	4	119 UNCH
AUG18	----	----	1.5548 + 0.0086	----	4	117 UNCH
SEP18	----	----	1.5614 + 0.0086	----	4	118 UNCH
OCT18	----	----	1.5690 + 0.0087	----	4	115 - 4
NOV18	----	----	1.5761 + 0.0091	----	4	115 - 4
DEC18	----	----	1.5831 + 0.0091	----	4	116 - 4
JAN19	----	----	1.5856 + 0.0091	----	----	44 UNCH
FEB19	----	----	1.5836 + 0.0091	----	----	44 UNCH
MAR19	----	----	1.5771 + 0.0091	----	----	44 UNCH
APR19	----	----	1.5766 + 0.0091	----	----	44 UNCH
MAY19	----	----	1.5791 + 0.0091	----	----	44 UNCH
JUN19	----	----	1.5861 + 0.0091	----	----	44 UNCH
JUL19	----	----	1.5946 + 0.0091	----	----	44 UNCH
AUG19	----	----	1.6046 + 0.0091	----	----	44 UNCH
SEP19	----	----	1.6136 + 0.0091	----	----	44 UNCH
OCT19	----	----	1.6216 + 0.0096	----	----	44 UNCH
NOV19	----	----	1.6291 + 0.0101	----	----	44 UNCH
DEC19	----	----	1.6376 + 0.0106	----	----	44 UNCH
JAN20	----	----	1.6431 + 0.0111	----	79	111 + 49
FEB20	----	----	1.6441 + 0.0116	----	79	111 + 49
MAR20	----	----	1.6386 + 0.0116	----	79	111 + 49
APR20	----	----	1.6386 + 0.0116	----	79	111 + 49
MAY20	----	----	1.6416 + 0.0121	----	79	111 + 49
JUN20	----	----	1.6481 + 0.0126	----	79	111 + 49
JUL20	----	----	1.6546 + 0.0131	----	79	111 + 49
AUG20	----	----	1.6621 + 0.0136	----	79	111 + 49
SEP20	----	----	1.6691 + 0.0141	----	79	111 + 49
OCT20	----	----	1.6751 + 0.0146	----	79	111 + 49
NOV20	----	----	1.6806 + 0.0151	----	79	111 + 49
DEC20	----	----	1.6866 + 0.0151	----	79	111 + 49
TOTAL MP FUT					1557	11438 + 595
RT FUT NYMEX RBOB GASOLINE FUTURES						
AUG17	----	----	1.5568 - 0.0065	----	----	8 UNCH
SEP17	----	----	1.5336 - 0.0006	----	----	438 UNCH
OCT17	----	----	1.4310 + 0.0028	----	----	1170 UNCH
NOV17	----	----	1.4085 + 0.0044	----	----	1170 UNCH
DEC17	----	----	1.3910 + 0.0050	----	----	8 UNCH
JAN18	----	----	1.3922 + 0.0059	----	----	6 UNCH
FEB18	----	----	1.4037 + 0.0066	----	----	6 UNCH
MAR18	----	----	1.4233 + 0.0070	----	----	6 UNCH
APR18	----	----	1.5998 + 0.0068	----	----	6 UNCH
MAY18	----	----	1.6062 + 0.0067	----	----	156 UNCH
JUN18	----	----	1.6000 + 0.0067	----	----	506 UNCH
JUL18	----	----	1.5866 + 0.0068	----	----	156 UNCH
AUG18	----	----	1.5690 + 0.0070	----	----	6 UNCH
SEP18	----	----	1.5448 + 0.0071	----	----	6 UNCH
OCT18	----	----	1.4294 + 0.0069	----	----	6 UNCH
NOV18	----	----	1.4048 + 0.0071	----	----	6 UNCH

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RT FUT	NYMEX RBOB GASOLINE FUTURES							
DEC18	----	----	1.3875 + 0.0072		----	----	6	UNCH
TOTAL RT FUT							3666	
SF3 FUT	NYM-SINGAPORE FUEL OIL 380CST CRK S							
JAN18	----	----	-4.448 + 0.091		----	----	3	UNCH
FEB18	----	----	-4.655 + 0.076		----	----	3	UNCH
MAR18	----	----	-4.782 + 0.068		----	----	3	UNCH
TOTAL SF3 FUT							9	
3G FUT	PREMIUM UNLD 10P FOB MED							
JUL17	----	----	503.581 + 0.659		----	----	20	UNCH
AUG17	----	----	506.107 + 1.515		----	----	15	UNCH
TOTAL 3G FUT							35	
RL FUT	RBOB CALENDAR FUTURE							
JUL17	----	----	1.5477 - 0.0019		----	----	2949	UNCH
AUG17	----	----	1.5336 - 0.0006		----	831	3469 + 606	
SEP17	----	----	1.4310 + 0.0028		----	----	1369	UNCH
OCT17	----	----	1.4085 + 0.0044		----	----	502	UNCH
NOV17	----	----	1.3910 + 0.0050		----	----	439	UNCH
DEC17	----	----	1.3922 + 0.0059		----	----	436	UNCH
JAN18	----	----	1.4037 + 0.0066		----	----	245	UNCH
FEB18	----	----	1.4233 + 0.0070		----	----	245	UNCH
MAR18	----	----	1.5998 + 0.0068		----	----	64	UNCH
APR18	----	----	1.6062 + 0.0067		----	----	57	UNCH
MAY18	----	----	1.6000 + 0.0067		----	----	207	UNCH
JUN18	----	----	1.5866 + 0.0068		----	----	207	UNCH
JUL18	----	----	1.5690 + 0.0070		----	----	57	UNCH
AUG18	----	----	1.5448 + 0.0071		----	----	58	UNCH
SEP18	----	----	1.4294 + 0.0069		----	----	57	UNCH
OCT18	----	----	1.4048 + 0.0071		----	----	62	UNCH
NOV18	----	----	1.3875 + 0.0072		----	----	62	UNCH
DEC18	----	----	1.3881 + 0.0072		----	----	76	UNCH
TOTAL RL FUT						831	10561 + 606	
RM FUT	RBOB CRACK SPREAD							
JUL17	----	----	19.02 - 0.25		----	----	75	UNCH
AUG17	----	----	18.02 - 0.60		----	----	125	UNCH
SEP17	----	----	13.52 - 0.43		----	----	125	UNCH
OCT17	----	----	12.37 - 0.33		----	----	145	UNCH
NOV17	----	----	11.40 - 0.28		----	----	145	UNCH
DEC17	----	----	11.24 - 0.23		----	----	145	UNCH
JAN18	----	----	11.57 - 0.19		----	----	95	UNCH
FEB18	----	----	12.27 - 0.15		----	----	95	UNCH
MAR18	----	----	19.57 - 0.17		----	----	115	UNCH
APR18	----	----	19.74 - 0.17		----	----	55	UNCH
MAY18	----	----	19.39 - 0.17		----	----	55	UNCH
JUN18	----	----	18.74 - 0.16		----	----	55	UNCH
JUL18	----	----	17.92 - 0.15		----	----	55	UNCH
AUG18	----	----	16.81 - 0.15		----	----	55	UNCH
SEP18	----	----	11.87 - 0.17		----	----	55	UNCH
OCT18	----	----	10.74 - 0.14		----	----	55	UNCH
NOV18	----	----	9.91 - 0.13		----	----	55	UNCH
DEC18	----	----	9.86 - 0.15		----	----	55	UNCH
TOTAL RM FUT							1560	
EXR FUT	RBOB GAS VS EUROBOB(ARGUS) NWE BRGS							
JUL17	----	----	0.1069 - 0.0021		----	----	553	UNCH
AUG17	----	----	0.0820 - 0.0035		----	5	623 - 10	
SEP17	----	----	-0.0078 + 0.0009		----	5	185	UNCH
OCT17	----	----	0.0476 + 0.0009		----	----	59	UNCH
NOV17	----	----	0.0533 + 0.0020		----	----	39	UNCH
DEC17	----	----	0.0670 + 0.0022		----	----	41	UNCH
TOTAL EXR FUT						10	1500 - 10	
RBB FUT	RBOB GAS VS. BRENT CRCK SPRD							
JUL17	----	----	16.550 - 0.233		----	----	2684	UNCH
AUG17	----	----	15.579 - 0.534		----	110	2575	UNCH
SEP17	----	----	11.000 - 0.371		----	----	995	UNCH
OCT17	----	----	9.797 - 0.284		----	----	744	UNCH
NOV17	----	----	8.841 - 0.230		----	----	671	UNCH
DEC17	----	----	8.642 - 0.182		----	----	748	UNCH
JAN18	----	----	8.938 - 0.143		----	----	531	UNCH
FEB18	----	----	9.601 - 0.127		----	----	508	UNCH
MAR18	----	----	16.866 - 0.144		----	----	578	UNCH
APR18	----	----	17.003 - 0.159		----	----	425	UNCH
MAY18	----	----	16.594 - 0.159		----	----	425	UNCH
JUN18	----	----	15.902 - 0.155		----	----	570	UNCH
JUL18	----	----	15.053 - 0.146		----	----	383	UNCH

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RBB FUT	RBOB GAS VS. BRENT CRCK SPRD							
AUG18	----	----	13.927 - 0.151		----	----	383	UNCH
SEP18	----	----	8.969 - 0.160		----	----	383	UNCH
OCT18	----	----	7.827 - 0.151		----	----	433	UNCH
NOV18	----	----	6.979 - 0.148		----	----	433	UNCH
DEC18	----	----	6.856 - 0.159		----	----	433	UNCH
TOTAL RBB FUT						110	13902	
1D FUT	RBOB GASOLINE BALMO CLNDR							
05JUL17	----	----	1.5484 - 0.0020		----	----	58	UNCH
06JUL17	----	----	1.5509 - 0.0022		----	----	43	UNCH
14JUL17	----	----	1.5686 - 0.0033		----	----	7	UNCH
TOTAL 1D FUT							108	
RI FUT	RBOB SPREAD (PLATTS)							
JUL17	----	----	0.0153 - 0.0017		----	----	3	UNCH
AUG17	----	----	0.0125 - 0.0050		----	----	3	UNCH
SEP17	----	----	0.0400 - 0.0025		----	----	3	UNCH
OCT17	----	----	0.0150 UNCH		----	----	3	UNCH
NOV17	----	----	0.0075 UNCH		----	----	2	UNCH
DEC17	----	----	-0.0050 UNCH		----	----	2	UNCH
TOTAL RI FUT							16	
RH FUT	RBOB VS HEATING OIL							
JUL17	----	----	0.0450 - 0.0024		----	----	114	UNCH
AUG17	----	----	0.0115 - 0.0027		----	----	114	UNCH
SEP17	----	----	-0.0977 - 0.0002		----	----	114	UNCH
OCT17	----	----	-0.1273 + 0.0007		----	----	164	UNCH
NOV17	----	----	-0.1507 + 0.0004		----	----	164	UNCH
DEC17	----	----	-0.1557 + 0.0002		----	----	164	UNCH
JAN18	----	----	-0.1470 - 0.0001		----	----	65	UNCH
FEB18	----	----	-0.1264 - 0.0003		----	----	65	UNCH
MAR18	----	----	0.0561 - 0.0008		----	150	565	UNCH
APR18	----	----	0.0660 - 0.0011		----	----	285	UNCH
MAY18	----	----	0.0603 - 0.0014		----	----	140	UNCH
JUN18	----	----	0.0429 - 0.0017		----	----	140	UNCH
JUL18	----	----	0.0200 - 0.0014		----	----	160	UNCH
AUG18	----	----	-0.0100 - 0.0015		----	----	160	UNCH
SEP18	----	----	-0.1320 - 0.0017		----	----	160	UNCH
OCT18	----	----	-0.1642 - 0.0016		----	----	65	UNCH
NOV18	----	----	-0.1886 - 0.0019		----	----	65	UNCH
DEC18	----	----	-0.1950 - 0.0019		----	----	65	UNCH
TOTAL RH FUT						150	2769	
EVC FUT	SING 380 FUEL OIL VS FUEL OIL ROTDM							
JUL17	----	----	13.18 - 0.12		----	----	779	UNCH
AUG17	----	----	11.18 - 0.27		----	----	552	UNCH
SEP17	----	----	12.93 - 0.42		----	----	482	UNCH
OCT17	----	----	14.61 - 0.14		----	8	392	UNCH
NOV17	----	----	16.03 - 0.17		----	8	489	UNCH
DEC17	----	----	17.66 - 0.20		----	8	528	4
JAN18	----	----	15.68 + 0.05		----	----	601	UNCH
FEB18	----	----	14.65 + 0.05		----	----	581	UNCH
MAR18	----	----	14.03 + 0.05		----	----	590	UNCH
APR18	----	----	13.70 + 0.10		----	----	119	UNCH
MAY18	----	----	13.55 + 0.15		----	----	119	UNCH
JUN18	----	----	13.40 + 0.20		----	----	119	UNCH
JUL18	----	----	13.11 + 0.22		----	----	58	UNCH
AUG18	----	----	13.45 + 0.13		----	----	58	UNCH
SEP18	----	----	14.13 + 0.08		----	----	58	UNCH
OCT18	----	----	14.94 + 0.04		----	----	87	UNCH
NOV18	----	----	16.00 UNCH		----	----	87	UNCH
DEC18	----	----	17.20 - 0.14		----	----	87	UNCH
JAN19	----	----	16.02 - 0.28		----	----	50	UNCH
FEB19	----	----	15.59 - 0.42		----	----	50	UNCH
MAR19	----	----	15.78 - 0.57		----	----	50	UNCH
APR19	----	----	16.23 - 0.71		----	----	5	UNCH
MAY19	----	----	17.17 - 0.73		----	----	5	UNCH
JUN19	----	----	16.29 - 0.72		----	----	5	UNCH
JUL19	----	----	15.79 - 0.96		----	----	5	UNCH
AUG19	----	----	15.91 - 0.95		----	----	5	UNCH
SEP19	----	----	16.90 - 0.95		----	----	5	UNCH
OCT19	----	----	20.15 - 0.94		----	----	5	UNCH
NOV19	----	----	24.90 - 0.92		----	----	5	UNCH
DEC19	----	----	29.77 - 0.92		----	----	5	UNCH
TOTAL EVC FUT						24	5981	4
BS FUT	SINGAPORE 180CST BALMO							
11JUL17	----	----	297.204 + 1.255		----	----	50	UNCH

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FINAL

PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

		GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
TOTAL	BS FUT						50		
		SINGAPORE 380CST BALMO							
BT FUT									
04JUL17		----	----	291.502 + 0.953	----	----	11		UNCH
05JUL17		----	----	291.152 + 1.004	----	----	25		UNCH
06JUL17		----	----	290.709 + 1.060	----	----	10		UNCH
11JUL17		----	----	291.263 + 1.272	----	----	100		UNCH
TOTAL	BT FUT						146		
		SINGAPORE 380CST FUEL OIL							
SE FUT									
JUL17		----	----	291.89 + 0.91	----	----	2260		UNCH
AUG17		----	----	291.27 + 3.01	----	168	2062	+	50
SEP17		----	----	291.10 + 2.84	----	70	1068	-	47
OCT17		----	----	290.80 + 3.15	----	20	910	+	10
NOV17		----	----	290.20 + 3.09	----	----	832		UNCH
DEC17		----	----	289.85 + 3.00	----	----	1135		UNCH
JAN18		----	----	289.37 + 3.25	----	----	621		UNCH
FEB18		----	----	289.07 + 3.16	----	----	410		UNCH
MAR18		----	----	289.20 + 3.16	----	----	253		UNCH
APR18		----	----	289.44 + 3.28	----	----	111		UNCH
MAY18		----	----	289.80 + 3.33	----	----	111		UNCH
JUN18		----	----	289.91 + 3.41	----	----	123		UNCH
JUL18		----	----	289.87 + 3.43	----	----	75		UNCH
AUG18		----	----	290.21 + 3.46	----	----	75		UNCH
SEP18		----	----	290.76 + 3.42	----	----	75		UNCH
OCT18		----	----	291.32 + 3.37	----	----	35		UNCH
NOV18		----	----	291.88 + 3.33	----	----	5		UNCH
DEC18		----	----	291.70 + 3.19	----	----	39		UNCH
APR19		----	----	291.98 + 2.62	----	----	28		UNCH
MAY19		----	----	292.30 + 2.48	----	----	28		UNCH
JUN19		----	----	290.42 + 2.49	----	----	28		UNCH
JUL19		----	----	288.54 + 2.49	----	----	28		UNCH
AUG19		----	----	286.66 + 2.50	----	----	28		UNCH
SEP19		----	----	284.78 + 2.51	----	----	28		UNCH
JAN20		----	----	277.27 + 2.54	----	----	25		UNCH
FEB20		----	----	275.39 + 2.55	----	----	1		UNCH
MAR20		----	----	273.51 + 2.56	----	----	1		UNCH
APR20		----	----	271.63 + 2.57	----	----	9		UNCH
MAY20		----	----	269.75 + 2.58	----	----	9		UNCH
JUN20		----	----	267.87 + 2.59	----	----	9		UNCH
JUL20		----	----	268.74 + 2.67	----	----	8		UNCH
AUG20		----	----	269.61 + 2.76	----	----	8		UNCH
SEP20		----	----	270.48 + 2.84	----	----	8		UNCH
TOTAL	SE FUT					258	10446	+	13
		SINGAPORE FUEL 180CST CAL							
UA FUT									
JUL17		----	----	297.69 + 0.90	----	----	426		UNCH
AUG17		----	----	297.27 + 3.01	----	50	488	+	37
SEP17		----	----	297.10 + 2.84	----	5	73		UNCH
OCT17		----	----	297.23 + 3.21	----	----	161		UNCH
NOV17		----	----	296.70 + 3.09	----	----	163		UNCH
DEC17		----	----	296.41 + 3.00	----	----	192		UNCH
JAN18		----	----	296.24 + 3.25	----	----	25		UNCH
FEB18		----	----	296.07 + 3.16	----	----	5		UNCH
MAR18		----	----	296.33 + 3.16	----	----	26		UNCH
APR18		----	----	296.94 + 3.28	----	----	30		UNCH
MAY18		----	----	297.30 + 3.33	----	----	1		UNCH
JUN18		----	----	297.41 + 3.41	----	----	1		UNCH
JUL18		----	----	297.62 + 3.43	----	----	1		UNCH
AUG18		----	----	297.83 + 3.46	----	----	1		UNCH
SEP18		----	----	298.43 + 3.42	----	----	1		UNCH
OCT18		----	----	299.03 + 3.37	----	----	1		UNCH
NOV18		----	----	299.63 + 3.33	----	----	1		UNCH
DEC18		----	----	299.95 + 3.19	----	----	1		UNCH
TOTAL	UA FUT					55	1597	+	37
		SINGAPORE FUEL OIL SPREAD							
SD FUT									
JUL17		----	----	5.81 - 0.01	----	----	361		UNCH
AUG17		----	----	6.00 UNCH	----	9	146		UNCH
SEP17		----	----	6.00 UNCH	----	9	112		UNCH
OCT17		----	----	6.44 + 0.06	----	----	173		UNCH
NOV17		----	----	6.50 UNCH	----	----	173		UNCH
DEC17		----	----	6.56 + 0.00	----	----	280		UNCH
JAN18		----	----	6.88 UNCH	----	----	19		UNCH
FEB18		----	----	7.00 UNCH	----	----	19		UNCH
MAR18		----	----	7.13 UNCH	----	----	19		UNCH
APR18		----	----	7.50 UNCH	----	----	4		UNCH
MAY18		----	----	7.50 UNCH	----	----	4		UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
SD FUT SINGAPORE FUEL OIL SPREAD								
JUN18	----	----	7.50 UNCH		----	----	4	UNCH
JUL18	----	----	7.75 UNCH		----	----	9	UNCH
AUG18	----	----	7.63 UNCH		----	----	9	UNCH
SEP18	----	----	7.67 + 0.00		----	----	9	UNCH
OCT18	----	----	7.71 - 0.00		----	----	9	UNCH
NOV18	----	----	7.75 UNCH		----	----	9	UNCH
DEC18	----	----	8.25 UNCH		----	----	9	UNCH
TOTAL SD FUT						18	1368	
SG FUT SINGAPORE GASOIL								
JUL17	----	----	60.26 - 0.19		----	----	3822	UNCH
AUG17	----	----	60.45 - 0.03		----	6	2242	UNCH
SEP17	----	----	60.23 - 0.22		----	59	3018 + 59	
OCT17	----	----	60.09 - 0.34		----	----	2074	UNCH
NOV17	----	----	59.90 - 0.43		----	----	1328	UNCH
DEC17	----	----	59.72 - 0.54		----	----	4535	UNCH
JUN18	----	----	60.32 - 0.67		----	----	100	UNCH
TOTAL SG FUT						65	17119 + 59	
VU FUT SINGAPORE GASOIL BALMO								
05JUL17	----	----	60.206 - 0.208		----	----	25	UNCH
06JUL17	----	----	60.111 - 0.219		----	----	158	UNCH
18JUL17	----	----	60.500 - 0.395		----	----	50	UNCH
TOTAL VU FUT							233	
GA FUT SINGAPORE GASOIL VS ICE								
JUL17	----	----	0.25 - 0.14		----	----	3046	UNCH
AUG17	----	----	-0.20 + 0.11		----	60	3311	UNCH
SEP17	----	----	-0.51 - 0.11		----	60	3321	UNCH
OCT17	----	----	-0.56 - 0.26		----	40	1971 - 40	
NOV17	----	----	-0.54 - 0.36		----	40	1921 - 40	
DEC17	----	----	-0.69 - 0.47		----	40	1906 - 40	
JAN18	----	----	-0.77 - 0.60		----	----	56	UNCH
FEB18	----	----	-0.80 - 0.63		----	----	56	UNCH
MAR18	----	----	-0.80 - 0.63		----	----	56	UNCH
TOTAL GA FUT						240	15644 - 120	
KSD FUT SINGAPORE JET DUBAI CRACK								
JUL17	----	----	12.390 + 0.300		----	----	25	UNCH
AUG17	----	----	12.402 - 0.165		----	----	25	UNCH
SEP17	----	----	12.262 - 0.248		----	----	25	UNCH
TOTAL KSD FUT							75	
BX FUT SINGAPORE JET KERO BALMO								
11JUL17	----	----	59.707 + 0.338		----	----	100	UNCH
TOTAL BX FUT							100	
RK FUT SINGAPORE JET KERO GASOIL								
JUL17	----	----	-0.753 + 0.430		----	----	1305	UNCH
AUG17	----	----	-0.540 - 0.210		----	85	1520 + 15	
SEP17	----	----	-0.220 - 0.070		----	85	1025 - 10	
OCT17	----	----	-0.020 - 0.040		----	15	370	UNCH
NOV17	----	----	0.190 - 0.050		----	15	470	UNCH
DEC17	----	----	0.390 - 0.040		----	15	470	UNCH
TOTAL RK FUT						215	5160 + 5	
KS FUT SINGAPORE JET KEROSENE								
JUL17	----	----	59.51 + 0.24		----	----	475	UNCH
AUG17	----	----	59.91 - 0.24		----	50	613 + 50	
SEP17	----	----	60.01 - 0.29		----	----	246	UNCH
OCT17	----	----	60.07 - 0.38		----	----	358	UNCH
NOV17	----	----	60.09 - 0.48		----	----	558	UNCH
DEC17	----	----	60.11 - 0.58		----	----	508	UNCH
APR18	----	----	61.48 - 0.91		----	----	50	UNCH
MAY18	----	----	61.57 - 0.91		----	----	50	UNCH
JUN18	----	----	61.78 - 0.91		----	----	50	UNCH
TOTAL KS FUT						50	2908 + 50	
V0 FUT SINGAPORE MOGAS 95								
JUL17	----	----	61.198 - 0.095		----	----	25	UNCH
AUG17	----	----	61.267 - 0.085		----	----	25	UNCH
SEP17	----	----	60.502 - 0.082		----	----	25	UNCH
OCT17	----	----	59.925 + 0.006		----	----	25	UNCH
NOV17	----	----	59.508 + 0.034		----	----	25	UNCH
DEC17	----	----	59.285 + 0.033		----	----	25	UNCH
TOTAL V0 FUT							150	
STZ FUT SINGAPORE GASOIL 10PPM V GSOLSPD FUT								
JUL17	----	----	0.493 - 0.004		----	----	250	UNCH
AUG17	----	----	0.550 UNCH		----	----	150	UNCH
SEP17	----	----	0.550 UNCH		----	----	150	UNCH
OCT17	----	----	0.550 - 0.050		----	----	50	UNCH

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STZ FUT	SINGAPORE GASOIL 10PPM V GSOLSPD FUT						
NOV17	----	----	0.600 - 0.050	----	----	50	UNCH
DEC17	----	----	0.650 - 0.050	----	----	50	UNCH
TOTAL STZ FUT						700	
STS FUT	SPORE FUEL OIL 180CST 6.35 DUBAI CK						
JUL17	----	----	-0.232 + 0.032	----	----	625	UNCH
AUG17	----	----	-0.664 + 0.015	----	----	125	UNCH
SEP17	----	----	-0.922 - 0.022	----	----	125	UNCH
OCT17	----	----	-1.121 + 0.037	----	----	145	UNCH
NOV17	----	----	-1.386 + 0.047	----	----	145	UNCH
DEC17	----	----	-1.632 + 0.045	----	----	145	UNCH
TOTAL STS FUT						1310	
STI FUT	SPORE FUEL OIL 380CST 6.35 DUBAI CK						
JUL17	----	----	-1.146 + 0.034	----	----	32	UNCH
TOTAL STI FUT						32	
1NB FUT	SPORE MOGAS92 UNLD BRENT SPRD						
JUL17	----	----	10.023 - 0.197	----	----	670	UNCH
AUG17	----	----	9.685 - 0.544	----	8	405	UNCH
SEP17	----	----	8.750 - 0.571	----	8	645	UNCH
OCT17	----	----	7.965 - 0.463	----	8	153	UNCH
NOV17	----	----	7.427 - 0.406	----	8	153	UNCH
DEC17	----	----	6.955 - 0.396	----	8	153	UNCH
JAN18	----	----	7.074 - 0.357	----	----	50	UNCH
FEB18	----	----	7.213 - 0.295	----	----	50	UNCH
MAR18	----	----	7.350 - 0.278	----	----	50	UNCH
APR18	----	----	7.576 - 0.185	----	----	40	UNCH
MAY18	----	----	7.286 - 0.113	----	----	40	UNCH
JUN18	----	----	7.004 - 0.113	----	----	40	UNCH
JUL18	----	----	6.672 - 0.108	----	----	50	UNCH
AUG18	----	----	6.325 - 0.130	----	----	50	UNCH
SEP18	----	----	6.054 - 0.223	----	----	50	UNCH
OCT18	----	----	5.779 - 0.202	----	----	40	UNCH
NOV18	----	----	5.553 - 0.291	----	----	40	UNCH
DEC18	----	----	5.242 - 0.285	----	----	40	UNCH
TOTAL 1NB FUT					40	2719	
3V FUT	ULSD 10P CRG CIF NW VS ICE BL						
05JUL17	----	----	5.369 - 0.138	----	----	25	UNCH
TOTAL 3V FUT						25	
Z7 FUT	ULSD 10PPM CIF MED VS ICE GAS						
JUL17	----	----	9.279 - 0.030	----	----	3	UNCH
AUG17	----	----	8.708 - 0.209	----	----	3	UNCH
SEP17	----	----	8.000 UNCH	----	----	3	UNCH
OCT17	----	----	7.875 - 0.125	----	----	17	UNCH
NOV17	----	----	7.250 - 0.084	----	----	17	UNCH
DEC17	----	----	7.250 - 0.083	----	----	17	UNCH
TOTAL Z7 FUT						60	
B1 FUT	ULSD 10PPM CIF NW BALMO						
10JUL17	----	----	453.438 - 0.632	----	----	3	UNCH
11JUL17	----	----	454.433 - 0.675	----	----	3	UNCH
TOTAL B1 FUT						6	
1L FUT	ULSD UP-DOWN BALMO						
06JUL17	----	----	-0.0378 - 0.0001	----	----	475	UNCH
07JUL17	----	----	-0.0373 - 0.0001	----	----	1325	UNCH
11JUL17	----	----	-0.0365 - 0.0001	----	----	410	UNCH
12JUL17	----	----	-0.0363 UNCH	----	----	30	UNCH
13JUL17	----	----	-0.0362 - 0.0002	----	----	195	UNCH
14JUL17	----	----	-0.0360 - 0.0001	----	----	90	UNCH
TOTAL 1L FUT						2525	
LT FUT	UP DOWN GC ULSD VS NMX HO SPRD						
JUL17	----	----	-0.0382 - 0.0001	----	----	7628	UNCH
AUG17	----	----	-0.0365 - 0.0005	----	866	9697 + 500	
SEP17	----	----	-0.0365 UNCH	----	141	6365	UNCH
OCT17	----	----	-0.0400 UNCH	----	181	6141	UNCH
NOV17	----	----	-0.0525 UNCH	----	106	5980	UNCH
DEC17	----	----	-0.0675 UNCH	----	106	6206	UNCH
JAN18	----	----	-0.0600 UNCH	----	6	700 - 6	
FEB18	----	----	-0.0450 UNCH	----	6	751 - 6	
MAR18	----	----	-0.0375 UNCH	----	6	713 - 6	
APR18	----	----	-0.0375 UNCH	----	5	422 - 5	
MAY18	----	----	-0.0375 UNCH	----	5	423 - 5	
JUN18	----	----	-0.0375 UNCH	----	5	420 - 5	
JUL18	----	----	-0.0350 UNCH	----	5	384 - 5	
AUG18	----	----	-0.0350 UNCH	----	5	384 - 5	
SEP18	----	----	-0.0350 UNCH	----	5	381 - 5	

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LT FUT	GLOBEX OPEN				GLOBEX HIGH/LOW		SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
	UP	DOWN	GC	ULSD	VS	NMX				HO	SPRD
OCT18			----			----	-0.0450	UNCH	----	5	398 - 5
NOV18			----			----	-0.0575	UNCH	----	5	397 - 5
DEC18			----			----	-0.0700	UNCH	----	5	397 - 5
JAN19			----			----	-0.0600	UNCH	----	10	15 + 10
FEB19			----			----	-0.0450	UNCH	----	10	15 + 10
MAR19			----			----	-0.0375	UNCH	----	10	15 + 10
APR19			----			----	-0.0375	UNCH	----	10	15 + 10
MAY19			----			----	-0.0375	UNCH	----	10	15 + 10
JUN19			----			----	-0.0375	UNCH	----	10	15 + 10
JUL19			----			----	-0.0375	UNCH	----	10	15 + 10
AUG19			----			----	-0.0375	UNCH	----	10	15 + 10
SEP19			----			----	-0.0375	UNCH	----	10	15 + 10
OCT19			----			----	-0.0375	UNCH	----	10	15 + 10
NOV19			----			----	-0.0375	UNCH	----	10	15 + 10
DEC19			----			----	-0.0375	UNCH	----	10	15 + 10
JAN20			----			----	-0.0375	UNCH	----		1 UNCH
FEB20			----			----	-0.0375	UNCH	----		1 UNCH
MAR20			----			----	-0.0375	UNCH	----		1 UNCH
APR20			----			----	-0.0375	UNCH	----		1 UNCH
MAY20			----			----	-0.0375	UNCH	----		1 UNCH
JUN20			----			----	-0.0375	UNCH	----		1 UNCH
JUL20			----			----	-0.0375	UNCH	----		1 UNCH
AUG20			----			----	-0.0375	UNCH	----		1 UNCH
SEP20			----			----	-0.0375	UNCH	----		1 UNCH
OCT20			----			----	-0.0375	UNCH	----		1 UNCH
NOV20			----			----	-0.0375	UNCH	----		1 UNCH
DEC20			----			----	-0.0375	UNCH	----		1 UNCH
TOTAL LT FUT									1583		47979 + 557

NGL/PETROCHEM FUTURES PRODUCTS

91 FUT	GLOBEX OPEN				GLOBEX HIGH/LOW		SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
	ARGS	FAR	E	NDX	VS	EUR				CIF	ARA
JUL17			----			----	23.671 + 0.041	----	----	112	UNCH
AUG17			----			----	31.550 + 0.763	----	----	67	UNCH
SEP17			----			----	31.300 + 0.120	----	----	38	UNCH
OCT17			----			----	31.717 + 0.037	----	----	48	UNCH
NOV17			----			----	32.883 + 0.453	----	----	43	UNCH
DEC17			----			----	31.883 - 0.172	----	----	43	UNCH
JAN18			----			----	31.075 + 0.436	----	----	13	UNCH
FEB18			----			----	31.788 + 1.149	----	----	13	UNCH
MAR18			----			----	31.788 + 0.038	----	----	13	UNCH
APR18			----			----	30.742 + 0.937	----	----	10	UNCH
MAY18			----			----	28.742 - 1.730	----	----	10	UNCH
JUN18			----			----	27.500 - 0.250	----	----	10	UNCH
TOTAL 91 FUT											420
7E FUT	GLOBEX OPEN				GLOBEX HIGH/LOW		SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
	ARGUS	PROPAN	FAR	EST	INDEX						
JUL17			----			----	386.683 + 1.219	----	----	456	UNCH
AUG17			----			----	405.450 + 5.793	----	25	315 + 15	
SEP17			----			----	407.160 + 5.480	----	18	337 + 3	
OCT17			----			----	409.957 + 5.517	----	----	216	UNCH
NOV17			----			----	413.493 + 5.363	----	----	150	UNCH
DEC17			----			----	414.533 + 4.528	----	8	186 - 3	
JAN18			----			----	410.725 + 5.616	----	----	152	UNCH
FEB18			----			----	405.228 + 6.029	----	8	105 + 5	
MAR18			----			----	385.598 + 3.948	----	----	108	UNCH
APR18			----			----	361.262 + 5.227	----	----	17	UNCH
MAY18			----			----	351.482 + 2.410	----	----	17	UNCH
JUN18			----			----	352.440 + 3.730	----	----	17	UNCH
JUL18			----			----	357.975 + 3.790	----	----	2	UNCH
AUG18			----			----	362.525 + 3.910	----	----	2	UNCH
SEP18			----			----	367.035 + 3.860	----	----	2	UNCH
OCT18			----			----	372.025 + 3.810	----	----	1	UNCH
NOV18			----			----	377.565 + 3.750	----	----	1	UNCH
DEC18			----			----	383.085 + 3.740	----	----	1	UNCH
TOTAL 7E FUT									59		2085 + 20
9N FUT	GLOBEX OPEN				GLOBEX HIGH/LOW		SETT. PRICE & PT. CHGE	GLOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
	ARGUS	PROPAN	(SAUDI	ARAMCO)							
AUG17			----			----	391.853 + 3.718	----	28	211 + 14	
SEP17			----			----	392.519 + 3.051	----	62	133 + 32	
OCT17			----			----	394.686 + 1.551	----	10	100 + 5	
NOV17			----			----	398.186 + 0.718	----	----	95	UNCH
DEC17			----			----	401.853 + 0.051	----	----	135	UNCH

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ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
9N FUT	ARGUS PROPAN(SAUDI ARAMCO)							
JAN18	----	----	399.014 + 1.312		----	----	24	UNCH
FEB18	----	----	395.514 + 1.812		----	----	26	UNCH
MAR18	----	----	383.514 + 0.847		----	----	26	UNCH
APR18	----	----	361.014 + 1.847		----	----	5	UNCH
TOTAL 9N FUT						100	755 +	51
22 FUT	ARGUS PROPANE FAR E INDX BALMO							
04JUL17	----	----	387.017 + 1.280		----	----	5	UNCH
05JUL17	----	----	387.570 + 1.347		----	----	3	UNCH
06JUL17	----	----	388.824 + 1.422		----	----	5	UNCH
13JUL17	----	----	396.641 + 1.969		----	----	15	UNCH
14JUL17	----	----	398.070 + 2.133		----	----	5	UNCH
19JUL17	----	----	400.815 + 2.844		----	----	5	UNCH
TOTAL 22 FUT								38
8L FUT	CONWAY NAT GASOLINE							
JUL17	----	----	1.02403 + 0.00350		----	----	60	UNCH
AUG17	----	----	1.03125 + 0.01000		----	----	59	UNCH
SEP17	----	----	1.03500 + 0.00875		----	----	56	UNCH
OCT17	----	----	1.03875 + 0.00750		----	----	77	UNCH
NOV17	----	----	1.04375 + 0.00750		----	----	77	UNCH
DEC17	----	----	1.04625 + 0.00500		----	----	77	UNCH
JAN18	----	----	1.05000 + 0.00500		----	----	91	UNCH
FEB18	----	----	1.05000 + 0.00500		----	----	91	UNCH
MAR18	----	----	1.05000 + 0.00500		----	----	91	UNCH
APR18	----	----	1.05000 + 0.00500		----	----	36	UNCH
MAY18	----	----	1.05000 + 0.00500		----	----	36	UNCH
JUN18	----	----	1.05000 + 0.00500		----	----	36	UNCH
JUL18	----	----	1.05250 + 0.00500		----	----	36	UNCH
AUG18	----	----	1.05250 + 0.00500		----	----	36	UNCH
SEP18	----	----	1.05250 + 0.00500		----	----	36	UNCH
OCT18	----	----	1.05250 + 0.00500		----	----	36	UNCH
NOV18	----	----	1.05250 + 0.00500		----	----	36	UNCH
DEC18	----	----	1.05250 + 0.00500		----	----	36	UNCH
JAN19	----	----	0.90515 + 0.00500		----	----	2	UNCH
FEB19	----	----	0.90515 + 0.00500		----	----	2	UNCH
MAR19	----	----	0.90515 + 0.00500		----	----	2	UNCH
APR19	----	----	0.90515 + 0.00500		----	----	2	UNCH
MAY19	----	----	0.90515 + 0.00500		----	----	2	UNCH
JUN19	----	----	0.90515 + 0.00500		----	----	2	UNCH
JUL19	----	----	0.90515 + 0.00500		----	----	2	UNCH
AUG19	----	----	0.90515 + 0.00500		----	----	2	UNCH
SEP19	----	----	0.90515 + 0.00500		----	----	2	UNCH
OCT19	----	----	0.90515 + 0.00500		----	----	2	UNCH
NOV19	----	----	0.90515 + 0.00500		----	----	2	UNCH
DEC19	----	----	0.90515 + 0.00500		----	----	2	UNCH
TOTAL 8L FUT								1027
8M FUT	CONWAY NORMAL BUTANE							
JUL17	----	----	0.74316 + 0.00325		----	----	563	UNCH
AUG17	----	----	0.77500 + 0.01000		----	20	588 +	20
SEP17	----	----	0.78750 + 0.01000		----	----	553	UNCH
OCT17	----	----	0.80125 + 0.01000		----	----	513	UNCH
NOV17	----	----	0.81500 + 0.01000		----	----	523	UNCH
DEC17	----	----	0.82750 + 0.01000		----	----	523	UNCH
JAN18	----	----	0.79000 + 0.00875		----	----	81	UNCH
FEB18	----	----	0.79000 + 0.00875		----	----	71	UNCH
MAR18	----	----	0.79000 + 0.00875		----	----	71	UNCH
APR18	----	----	0.67375 + 0.00250		----	----	46	UNCH
MAY18	----	----	0.67375 + 0.00250		----	----	40	UNCH
JUN18	----	----	0.67375 + 0.00250		----	----	40	UNCH
JUL18	----	----	0.68063 + 0.00438		----	----	40	UNCH
AUG18	----	----	0.68063 + 0.00438		----	----	40	UNCH
SEP18	----	----	0.68063 + 0.00438		----	----	40	UNCH
OCT18	----	----	0.68063 + 0.00438		----	----	40	UNCH
NOV18	----	----	0.68063 + 0.00438		----	----	40	UNCH
DEC18	----	----	0.68063 + 0.00438		----	----	40	UNCH
TOTAL 8M FUT						20	3852 +	20
CPB FUT	CONWAY PROPANE (OPIS) BALMO							
17JUL17	----	----	0.62915 + 0.00205		----	----	34	UNCH
18JUL17	----	----	0.63125 + 0.00225		----	----	10	UNCH
TOTAL CPB FUT								44
8K FUT	CONWAY PROPANE 5 DEC.							
JUL17	----	----	0.60913 + 0.00113		----	----	2370	UNCH
AUG17	----	----	0.63375 + 0.00375		----	80	2057 +	45
SEP17	----	----	0.64188 + 0.00313		----	243	1584 +	19

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8K FUT CONWAY PROPANE 5 DEC.						
OCT17	----	----	0.65563 + 0.00313	----	120	1429 + 32
NOV17	----	----	0.66313 + 0.00188	----	312	1676 + 127
DEC17	----	----	0.67125 - 0.00063	----	92	1820 + 13
JAN18	----	----	0.67375 + 0.00062	----	259	1405 - 25
FEB18	----	----	0.66063 + 0.00125	----	194	1176 - 7
MAR18	----	----	0.58875 + 0.00125	----	73	993 + 30
APR18	----	----	0.54500 + 0.00312	----	----	251 UNCH
MAY18	----	----	0.52875 - 0.00083	----	----	245 UNCH
JUN18	----	----	0.52875 - 0.00167	----	----	245 UNCH
JUL18	----	----	0.53188 - 0.00250	----	----	180 UNCH
AUG18	----	----	0.53875 - 0.00313	----	----	180 UNCH
SEP18	----	----	0.54813 - 0.00062	----	----	180 UNCH
OCT18	----	----	0.55688 - 0.00062	----	----	224 UNCH
NOV18	----	----	0.56563 - 0.00062	----	----	224 UNCH
DEC18	----	----	0.57438 - 0.00062	----	----	286 UNCH
JAN19	----	----	0.58313 - 0.00750	----	----	106 UNCH
FEB19	----	----	0.57063 - 0.00812	----	----	106 UNCH
MAR19	----	----	0.53188 + 0.00188	----	----	105 UNCH
APR19	----	----	0.50688 + 0.00438	----	----	50 UNCH
MAY19	----	----	0.50000 + 0.00375	----	----	50 UNCH
JUN19	----	----	0.50250 + 0.00625	----	----	50 UNCH
JUL19	----	----	0.51000 UNCH	----	----	50 UNCH
AUG19	----	----	0.52000 + 0.00250	----	----	50 UNCH
SEP19	----	----	0.53000 + 0.00250	----	----	50 UNCH
OCT19	----	----	0.54000 + 0.00250	----	----	50 UNCH
NOV19	----	----	0.55000 + 0.00250	----	----	50 UNCH
DEC19	----	----	0.56000 + 0.00250	----	----	50 UNCH
TOTAL 8K FUT					1373	17292 + 234
32 FUT EUR PROPANE CIF ARA ARGUS BALMO						
04JUL17	----	----	363.39 + 1.24	----	----	5 UNCH
05JUL17	----	----	363.86 + 1.31	----	----	10 UNCH
06JUL17	----	----	365.18 + 1.37	----	----	14 UNCH
07JUL17	----	----	365.57 + 1.45	----	----	9 UNCH
10JUL17	----	----	366.30 + 1.55	----	----	5 UNCH
11JUL17	----	----	367.52 + 1.65	----	----	5 UNCH
18JUL17	----	----	370.23 + 2.48	----	----	5 UNCH
20JUL17	----	----	369.84 + 3.09	----	----	2 UNCH
TOTAL 32 FUT						55
PS FUT EURO PROPANE CIF ARA						
JUL17	----	----	363.01 + 1.18	----	----	192 UNCH
AUG17	----	----	373.90 + 5.03	----	7	265 + 1
SEP17	----	----	375.86 + 5.36	----	5	165 + 5
OCT17	----	----	378.24 + 5.48	----	----	107 UNCH
NOV17	----	----	380.61 + 4.91	----	----	110 UNCH
DEC17	----	----	382.65 + 4.70	----	----	128 UNCH
JAN18	----	----	379.65 + 5.18	----	----	46 UNCH
FEB18	----	----	373.44 + 4.88	----	----	30 UNCH
MAR18	----	----	353.81 + 3.91	----	----	26 UNCH
APR18	----	----	330.52 + 4.29	----	----	19 UNCH
MAY18	----	----	322.74 + 4.14	----	----	18 UNCH
JUN18	----	----	324.94 + 3.98	----	----	18 UNCH
JUL18	----	----	328.90 + 4.52	----	----	3 UNCH
AUG18	----	----	333.45 + 4.64	----	----	3 UNCH
SEP18	----	----	337.96 + 4.59	----	----	3 UNCH
OCT18	----	----	342.95 + 4.54	----	----	2 UNCH
NOV18	----	----	347.99 + 4.48	----	----	2 UNCH
DEC18	----	----	353.01 + 4.47	----	----	2 UNCH
TOTAL PS FUT					12	1139 + 6
80 FUT MT BELIVIEU LDH PROPANE BALMO						
06JUL17	----	----	0.64535 + 0.00299	----	----	75 UNCH
11JUL17	----	----	0.65359 + 0.00359	----	----	405 UNCH
12JUL17	----	----	0.65643 + 0.00384	----	----	85 UNCH
14JUL17	----	----	0.65990 + 0.00448	----	----	150 UNCH
17JUL17	----	----	0.66142 + 0.00489	----	----	315 UNCH
19JUL17	----	----	0.66500 + 0.00597	----	----	60 UNCH
TOTAL 80 FUT						1090
R0 FUT MT BELIVIEU NAT GASOLINE BALMO						
06JUL17	----	----	1.03111 + 0.00312	----	----	10 UNCH
10JUL17	----	----	1.03336 + 0.00351	----	----	100 UNCH
18JUL17	----	----	1.04350 + 0.00562	----	----	15 UNCH
21JUL17	----	----	1.03741 + 0.00803	----	----	20 UNCH
TOTAL R0 FUT						145
8J FUT MT BELIVIEU NORMAL BUTANE BALM						

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8J FUT	MT BELVIEU NORMAL BUTANE BALM							
10JUL17	----	----	0.79274 + 0.00633		----	----	15	UNCH
13JUL17	----	----	0.80265 + 0.00779		----	----	50	UNCH
14JUL17	----	----	0.80547 + 0.00844		----	----	100	UNCH
19JUL17	----	----	0.81473 + 0.01125		----	----	90	UNCH
21JUL17	----	----	0.81759 + 0.01446		----	----	20	UNCH
TOTAL 8J FUT							275	
C0 FUT	MT BELVIEU ETHANE 5-DCML (OPIS)							
JUL17	----	----	0.24966 - 0.00053		----	----	3082	UNCH
AUG17	----	----	0.25125 - 0.00167		----	441	3722 + 249	
SEP17	----	----	0.25417 - 0.00250		----	159	2808 + 84	
OCT17	----	----	0.25750 - 0.00250		----	185	5594 + 85	
NOV17	----	----	0.26125 - 0.00250		----	178	6356 + 78	
DEC17	----	----	0.26542 - 0.00250		----	235	5252 + 235	
JAN18	----	----	0.27438 - 0.00157		----	160	5442 - 15	
FEB18	----	----	0.27438 - 0.00157		----	160	2271	UNCH
MAR18	----	----	0.26875 - 0.00250		----	160	2849	UNCH
APR18	----	----	0.26625 - 0.00250		----	180	2068	UNCH
MAY18	----	----	0.26438 - 0.00312		----	180	2060	UNCH
JUN18	----	----	0.27083 - 0.00292		----	180	2072	UNCH
JUL18	----	----	0.27708 - 0.00292		----	145	1820 - 15	
AUG18	----	----	0.28333 - 0.00292		----	145	1820 - 15	
SEP18	----	----	0.29042 - 0.00291		----	145	1970 - 15	
OCT18	----	----	0.29708 - 0.00292		----	135	1670 - 3	
NOV18	----	----	0.30333 - 0.00292		----	135	1882 - 3	
DEC18	----	----	0.30958 - 0.00292		----	135	1875 + 12	
JAN19	----	----	0.31563 - 0.00312		----	10	1201	UNCH
FEB19	----	----	0.31563 - 0.00312		----	10	1201	UNCH
MAR19	----	----	0.31438 - 0.00312		----	10	1201	UNCH
APR19	----	----	0.30500 - 0.00292		----	30	1022	UNCH
MAY19	----	----	0.30500 - 0.00292		----	30	1022	UNCH
JUN19	----	----	0.30500 - 0.00292		----	30	1022	UNCH
JUL19	----	----	0.31063 - 0.00312		----	30	1149	UNCH
AUG19	----	----	0.31375 - 0.00313		----	30	1149	UNCH
SEP19	----	----	0.31688 - 0.00312		----	30	1149	UNCH
OCT19	----	----	0.32125 - 0.00313		----	30	911	UNCH
NOV19	----	----	0.32563 - 0.00312		----	30	911	UNCH
DEC19	----	----	0.33000 - 0.00313		----	30	911	UNCH
JAN20	----	----	0.33005 - 0.00313		----	----	490	UNCH
FEB20	----	----	0.32755 - 0.00313		----	----	490	UNCH
MAR20	----	----	0.32505 - 0.00313		----	----	490	UNCH
APR20	----	----	0.31505 - 0.00313		----	----	305	UNCH
MAY20	----	----	0.31505 - 0.00313		----	----	305	UNCH
JUN20	----	----	0.31505 - 0.00313		----	----	305	UNCH
JUL20	----	----	0.31755 - 0.00313		----	----	365	UNCH
AUG20	----	----	0.32005 - 0.00313		----	----	365	UNCH
SEP20	----	----	0.32255 - 0.00313		----	----	365	UNCH
OCT20	----	----	0.32505 - 0.00313		----	----	1340	UNCH
NOV20	----	----	0.32755 - 0.00313		----	----	1340	UNCH
DEC20	----	----	0.33005 - 0.00313		----	----	1340	UNCH
JAN21	----	----	0.34991 + 0.00440		----	----	10	UNCH
FEB21	----	----	0.34869 + 0.00440		----	----	10	UNCH
MAR21	----	----	0.34682 + 0.00440		----	----	10	UNCH
APR21	----	----	0.33715 + 0.00440		----	----	10	UNCH
MAY21	----	----	0.33709 + 0.00440		----	----	10	UNCH
JUN21	----	----	0.33712 + 0.00440		----	----	10	UNCH
JUL21	----	----	0.33954 + 0.00440		----	----	10	UNCH
AUG21	----	----	0.34195 + 0.00440		----	----	10	UNCH
SEP21	----	----	0.34446 + 0.00440		----	----	10	UNCH
OCT21	----	----	0.34688 + 0.00440		----	----	10	UNCH
NOV21	----	----	0.34928 + 0.00440		----	----	10	UNCH
DEC21	----	----	0.35169 + 0.00440		----	----	10	UNCH
TOTAL C0 FUT						3358	75082 + 677	
MBB FUT	MT BELVIEU ETHYLENE (PCW) BALMO							
05JUL17	----	----	0.19421	UNCH	----	----	30	UNCH
06JUL17	----	----	0.19368	UNCH	----	----	40	UNCH
07JUL17	----	----	0.19331	UNCH	----	----	30	UNCH
TOTAL MBB FUT							100	
MBN FUT	MT BELVIEU ETHYLENE (PCW) FINCL							
JUL17	----	----	0.19513	UNCH	----	----	393	UNCH
AUG17	----	----	0.20125 - 0.00125		----	88	348 + 10	
SEP17	----	----	0.21250 - 0.00250		----	88	406 + 20	
OCT17	----	----	0.21625 - 0.00375		----	18	628	UNCH
NOV17	----	----	0.21750 - 0.00250		----	18	538	UNCH
DEC17	----	----	0.21875 - 0.00125		----	18	543	UNCH

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MBN FUT MT BELVIEU ETHYLENE (PCW) FINCL						
JAN18	----	----	0.22625 - 0.00125	----	----	120 UNCH
FEB18	----	----	0.22625 - 0.00125	----	----	120 UNCH
MAR18	----	----	0.22625 - 0.00125	----	----	120 UNCH
APR18	----	----	0.22750 - 0.00125	----	----	55 UNCH
MAY18	----	----	0.22875 - 0.00125	----	----	55 UNCH
JUN18	----	----	0.23000 - 0.00125	----	----	55 UNCH
JUL18	----	----	0.23250 - 0.00125	----	----	55 UNCH
AUG18	----	----	0.23500 - 0.00125	----	----	55 UNCH
SEP18	----	----	0.23625 - 0.00125	----	----	55 UNCH
OCT18	----	----	0.23625 - 0.00125	----	----	55 UNCH
NOV18	----	----	0.23625 - 0.00125	----	----	55 UNCH
DEC18	----	----	0.23625 - 0.00125	----	----	55 UNCH
TOTAL MBN FUT					230	3711 + 30
MBE FUT MT BELVIEU ETHYLENE IN-WELL (PCW)						
JUL17	----	----	0.19750 UNCH	----	35	155 - 30
AUG17	----	----	0.20125 - 0.00125	----	45	255 + 5
SEP17	----	----	0.21250 - 0.00250	----	45	160 + 25
OCT17	----	----	0.21625 - 0.00375	----	40	200 UNCH
NOV17	----	----	0.21750 - 0.00250	----	10	180 UNCH
DEC17	----	----	0.21875 - 0.00125	----	10	190 UNCH
JAN18	----	----	0.22625 - 0.00125	----	----	40 UNCH
FEB18	----	----	0.22625 - 0.00125	----	----	40 UNCH
MAR18	----	----	0.22625 - 0.00125	----	----	70 UNCH
APR18	----	----	0.22750 - 0.00125	----	----	10 UNCH
MAY18	----	----	0.22875 - 0.00125	----	----	10 UNCH
JUN18	----	----	0.23000 - 0.00125	----	----	10 UNCH
TOTAL MBE FUT					185	1320
8I FUT MT BELVIEU ISO BUTANE 5 DEC. S						
JUL17	----	----	0.78231 + 0.00648	----	----	273 UNCH
AUG17	----	----	0.82125 + 0.01583	----	----	285 UNCH
SEP17	----	----	0.81646 + 0.01229	----	----	285 UNCH
OCT17	----	----	0.82125 + 0.01333	----	----	261 UNCH
NOV17	----	----	0.82250 + 0.01250	----	----	260 UNCH
DEC17	----	----	0.82375 + 0.01250	----	----	260 UNCH
JAN18	----	----	0.82542 + 0.01209	----	----	195 UNCH
FEB18	----	----	0.80000 + 0.01167	----	----	175 UNCH
MAR18	----	----	0.73625 + 0.01042	----	----	175 UNCH
APR18	----	----	0.70500 + 0.01125	----	----	134 UNCH
MAY18	----	----	0.69625 + 0.01125	----	----	134 UNCH
JUN18	----	----	0.69875 + 0.01125	----	----	134 UNCH
JUL18	----	----	0.70292 + 0.01125	----	11	145 + 11
AUG18	----	----	0.70875 + 0.01125	----	11	145 + 11
SEP18	----	----	0.71667 + 0.01042	----	11	145 + 11
OCT18	----	----	0.72250 + 0.01042	----	11	145 + 11
NOV18	----	----	0.72792 + 0.01042	----	11	145 + 11
DEC18	----	----	0.73375 + 0.01042	----	11	145 + 11
JAN19	----	----	0.77635 + 0.01101	----	22	27 + 15
FEB19	----	----	0.77635 + 0.01101	----	22	27 + 15
MAR19	----	----	0.77635 + 0.01101	----	22	27 + 15
APR19	----	----	0.77635 + 0.01101	----	22	27 + 15
MAY19	----	----	0.77635 + 0.01101	----	22	27 + 15
JUN19	----	----	0.77635 + 0.01101	----	22	27 + 15
JUL19	----	----	0.77635 + 0.01101	----	22	27 + 15
AUG19	----	----	0.77635 + 0.01101	----	22	27 + 15
SEP19	----	----	0.77635 + 0.01101	----	22	27 + 15
OCT19	----	----	0.77635 + 0.01101	----	22	27 + 15
NOV19	----	----	0.77635 + 0.01101	----	22	27 + 15
DEC19	----	----	0.77635 + 0.01101	----	22	27 + 15
TOTAL 8I FUT					330	3765 + 246
7Q FUT MT BELVIEU NAT GAS 5-DCML (OPIS)						
JUL17	----	----	1.03169 + 0.00281	----	----	1057 UNCH
AUG17	----	----	1.03813 + 0.00875	----	361	1001 UNCH
SEP17	----	----	1.03875 + 0.01083	----	361	993 UNCH
OCT17	----	----	1.03208 + 0.00916	----	386	1088 + 25
NOV17	----	----	1.02833 + 0.00916	----	361	1029 UNCH
DEC17	----	----	1.02667 + 0.00917	----	361	1590 UNCH
JAN18	----	----	1.04375 + 0.00937	----	----	296 UNCH
FEB18	----	----	1.04469 + 0.01094	----	----	270 UNCH
MAR18	----	----	1.04594 + 0.01094	----	----	256 UNCH
APR18	----	----	1.04750 + 0.01042	----	----	228 UNCH
MAY18	----	----	1.04875 + 0.01042	----	----	213 UNCH
JUN18	----	----	1.05000 + 0.01042	----	----	213 UNCH
JUL18	----	----	1.05208 + 0.01041	----	----	142 UNCH
AUG18	----	----	1.05417 + 0.01042	----	----	143 UNCH

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FINAL

PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
7Q FUT MT BELVIEU NAT GAS 5-DCML (OPIS)							
SEP18	----	----	1.05833 + 0.01041	----	----	143	UNCH
OCT18	----	----	1.05708 + 0.01041	----	----	141	UNCH
NOV18	----	----	1.05583 + 0.01041	----	----	140	UNCH
DEC18	----	----	1.05458 + 0.01041	----	----	192	UNCH
JAN19	----	----	1.06750 + 0.01250	----	----	14	UNCH
FEB19	----	----	1.07125 + 0.01250	----	----	14	UNCH
MAR19	----	----	1.06875 + 0.01250	----	----	14	UNCH
APR19	----	----	1.06750 + 0.01250	----	----	14	UNCH
MAY19	----	----	1.06750 + 0.01250	----	----	14	UNCH
JUN19	----	----	1.06750 + 0.01250	----	----	14	UNCH
JUL19	----	----	1.01167 + 0.01250	----	----	14	UNCH
AUG19	----	----	1.01167 + 0.01250	----	----	14	UNCH
SEP19	----	----	1.01167 + 0.01250	----	----	14	UNCH
OCT19	----	----	1.01167 + 0.01250	----	----	14	UNCH
NOV19	----	----	1.01167 + 0.01250	----	----	14	UNCH
DEC19	----	----	1.01167 + 0.01250	----	----	14	UNCH
TOTAL 7Q FUT					1830	9303 + 25	
MNB FUT MT BELVIEU NORMAL BUTANE LDH(OPIS)							
JUL17	----	----	0.70334 + 0.00365	----	----	222	UNCH
AUG17	----	----	0.76000 + 0.01375	----	----	147	UNCH
SEP17	----	----	0.77500 + 0.01375	----	----	139	UNCH
OCT17	----	----	0.78625 + 0.01375	----	----	660	UNCH
NOV17	----	----	0.79000 + 0.01375	----	----	478	UNCH
DEC17	----	----	0.79375 + 0.01375	----	----	923	UNCH
JAN18	----	----	0.80125 + 0.01250	----	----	236	UNCH
FEB18	----	----	0.77250 + 0.01125	----	----	242	UNCH
MAR18	----	----	0.69875 + 0.01000	----	----	61	UNCH
APR18	----	----	0.66375 + 0.00875	----	----	5	UNCH
MAY18	----	----	0.65501 + 0.00875	----	----	5	UNCH
JUN18	----	----	0.65501 + 0.00875	----	----	5	UNCH
JUL18	----	----	0.65875 + 0.00875	----	----	5	UNCH
AUG18	----	----	0.66500 + 0.00875	----	----	5	UNCH
SEP18	----	----	0.67500 + 0.00875	----	----	5	UNCH
OCT18	----	----	0.68125 + 0.00875	----	----	5	UNCH
NOV18	----	----	0.68875 + 0.00875	----	----	5	UNCH
DEC18	----	----	0.69750 + 0.00875	----	----	5	UNCH
TOTAL MNB FUT						3153	
DO FUT MT BELVIEU NRM BUTANE 5-DCML (OPIS)							
JUL17	----	----	0.78453 + 0.00506	----	----	3300	UNCH
AUG17	----	----	0.81375 + 0.01500	----	376	3244 + 91	
SEP17	----	----	0.81396 + 0.01292	----	206	2118 + 163	
OCT17	----	----	0.81625 + 0.01562	----	230	5658 + 110	
NOV17	----	----	0.81688 + 0.01375	----	230	5759 + 110	
DEC17	----	----	0.81813 + 0.01375	----	255	5574 - 15	
JAN18	----	----	0.81750 + 0.01292	----	120	2794 - 10	
FEB18	----	----	0.79167 + 0.01334	----	120	1874 - 20	
MAR18	----	----	0.72792 + 0.01042	----	160	2046 - 25	
APR18	----	----	0.69583 + 0.01166	----	----	803	UNCH
MAY18	----	----	0.68813 + 0.01125	----	----	755	UNCH
JUN18	----	----	0.68750 + 0.01125	----	----	636	UNCH
JUL18	----	----	0.69375 + 0.01167	----	11	590	UNCH
AUG18	----	----	0.69958 + 0.01166	----	11	590	UNCH
SEP18	----	----	0.70750 + 0.01167	----	11	590	UNCH
OCT18	----	----	0.71333 + 0.01166	----	11	559	UNCH
NOV18	----	----	0.71875 + 0.01167	----	11	559	UNCH
DEC18	----	----	0.72417 + 0.01167	----	11	559	UNCH
JAN19	----	----	0.72625 + 0.01000	----	22	184 + 15	
FEB19	----	----	0.72125 + 0.01000	----	22	184 + 15	
MAR19	----	----	0.68125 + 0.01000	----	22	184 + 15	
APR19	----	----	0.66125 + 0.01000	----	22	184 + 15	
MAY19	----	----	0.65625 + 0.01000	----	22	184 + 15	
JUN19	----	----	0.65875 + 0.01000	----	22	184 + 15	
JUL19	----	----	0.70334 + 0.01167	----	22	184 + 15	
AUG19	----	----	0.70334 + 0.01167	----	22	184 + 15	
SEP19	----	----	0.70334 + 0.01167	----	22	184 + 15	
OCT19	----	----	0.70334 + 0.01167	----	22	184 + 15	
NOV19	----	----	0.70334 + 0.01167	----	22	184 + 15	
DEC19	----	----	0.70334 + 0.01167	----	22	184 + 15	
JAN20	----	----	0.67250 + 0.00875	----	----	5	UNCH
FEB20	----	----	0.67250 + 0.00875	----	----	5	UNCH
MAR20	----	----	0.67250 + 0.00875	----	----	5	UNCH
APR20	----	----	0.67250 + 0.00875	----	----	5	UNCH
MAY20	----	----	0.67250 + 0.00875	----	----	5	UNCH
JUN20	----	----	0.67250 + 0.00875	----	----	5	UNCH

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ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	MT BELVIEU NRM BUTANE 5-DCML (OPIS)	MT BELVIEU PROPANE 5-DCML (OPIS)	PROPANE NON LDH MT BELVIEU	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
DO FUT	MT BELVIEU NRM BUTANE 5-DCML (OPIS)								
JUL20	----	----				0.67250 + 0.00875	----	----	5 UNCH
AUG20	----	----				0.67250 + 0.00875	----	----	5 UNCH
SEP20	----	----				0.67250 + 0.00875	----	----	5 UNCH
OCT20	----	----				0.67250 + 0.00875	----	----	5 UNCH
NOV20	----	----				0.67250 + 0.00875	----	----	5 UNCH
DEC20	----	----				0.67250 + 0.00875	----	----	5 UNCH
TOTAL DO FUT								2027	40276 + 584
B0 FUT	MT BELVIEU PROPANE 5-DCML (OPIS)								
JUL17	----	----				0.64253 + 0.00269	----	----	6957 UNCH
AUG17	----	----				0.66313 + 0.00750	----	469	8854 + 164
SEP17	----	----				0.66438 + 0.00750	----	807	8290 + 325
OCT17	----	----				0.66563 + 0.00688	----	158	9681 + 21
NOV17	----	----				0.66813 + 0.00688	----	159	8634 + 28
DEC17	----	----				0.67000 + 0.00625	----	155	8939 + 43
JAN18	----	----				0.67250 + 0.00687	----	272	9806 - 43
FEB18	----	----				0.65875 + 0.00687	----	332	5392 - 18
MAR18	----	----				0.60125 + 0.00687	----	287	4880 + 107
APR18	----	----				0.56250 + 0.00562	----	240	3480 + 65
MAY18	----	----				0.55750 + 0.00687	----	240	2603 + 65
JUN18	----	----				0.56063 + 0.00625	----	240	3253 + 65
JUL18	----	----				0.56500 + 0.00625	----	25	2025 UNCH
AUG18	----	----				0.57125 + 0.00625	----	25	2026 UNCH
SEP18	----	----				0.57875 + 0.00687	----	25	2027 UNCH
OCT18	----	----				0.58563 + 0.00688	----	25	1695 UNCH
NOV18	----	----				0.59188 + 0.00625	----	25	1587 + 4
DEC18	----	----				0.59813 + 0.00688	----	25	1638 UNCH
JAN19	----	----				0.60333 + 0.00708	----	25	997 UNCH
FEB19	----	----				0.59667 + 0.00750	----	46	1056 + 16
MAR19	----	----				0.56167 + 0.01250	----	37	993 + 20
APR19	----	----				0.53875 + 0.01250	----	25	962 UNCH
MAY19	----	----				0.53375 + 0.01292	----	25	1322 - 25
JUN19	----	----				0.53333 + 0.01333	----	25	960 UNCH
JUL19	----	----				0.54125 + 0.00687	----	----	585 UNCH
AUG19	----	----				0.54750 + 0.00687	----	----	574 UNCH
SEP19	----	----				0.55625 + 0.00687	----	----	572 UNCH
OCT19	----	----				0.56313 + 0.00688	----	----	612 UNCH
NOV19	----	----				0.57000 + 0.00687	----	----	615 UNCH
DEC19	----	----				0.57688 + 0.00688	----	9	633 UNCH
JAN20	----	----				0.58141 + 0.00662	----	----	276 UNCH
FEB20	----	----				0.57766 + 0.00662	----	----	276 UNCH
MAR20	----	----				0.54766 + 0.00662	----	----	252 UNCH
APR20	----	----				0.53141 + 0.00662	----	----	238 UNCH
MAY20	----	----				0.53016 + 0.00662	----	----	645 UNCH
JUN20	----	----				0.53266 + 0.00662	----	----	238 UNCH
JUL20	----	----				0.53766 + 0.00662	----	----	198 UNCH
AUG20	----	----				0.54266 + 0.00662	----	----	198 UNCH
SEP20	----	----				0.55141 + 0.00662	----	----	198 UNCH
OCT20	----	----				0.55641 + 0.00662	----	----	483 UNCH
NOV20	----	----				0.56141 + 0.00662	----	----	483 UNCH
DEC20	----	----				0.56641 + 0.00662	----	----	493 UNCH
JAN21	----	----				0.58271 + 0.00698	----	----	10 UNCH
FEB21	----	----				0.57911 + 0.00698	----	----	10 UNCH
MAR21	----	----				0.54656 + 0.00698	----	----	10 UNCH
APR21	----	----				0.52729 + 0.00698	----	----	10 UNCH
MAY21	----	----				0.52487 + 0.00698	----	----	10 UNCH
JUN21	----	----				0.52608 + 0.00698	----	----	10 UNCH
JUL21	----	----				0.53090 + 0.00698	----	----	10 UNCH
AUG21	----	----				0.53572 + 0.00698	----	----	10 UNCH
SEP21	----	----				0.54416 + 0.00698	----	----	10 UNCH
OCT21	----	----				0.54896 + 0.00698	----	----	10 UNCH
NOV21	----	----				0.55380 + 0.00698	----	----	10 UNCH
DEC21	----	----				0.55861 + 0.00698	----	----	10 UNCH
TOTAL B0 FUT								3701	105746 + 837
1R FUT	PROPANE NON LDH MT BELVIEU								
JUL17	----	----				0.64278 + 0.00272	----	----	2621 UNCH
AUG17	----	----				0.66313 + 0.00750	----	62	3140 UNCH
SEP17	----	----				0.66438 + 0.00750	----	----	2352 UNCH
OCT17	----	----				0.66563 + 0.00688	----	35	2683 + 35
NOV17	----	----				0.66813 + 0.00688	----	----	2598 UNCH
DEC17	----	----				0.67000 + 0.00625	----	----	2538 UNCH
JAN18	----	----				0.67250 + 0.00687	----	----	749 UNCH
FEB18	----	----				0.65875 + 0.00687	----	----	499 UNCH
MAR18	----	----				0.60125 + 0.00687	----	----	499 UNCH
APR18	----	----				0.56250 + 0.00562	----	----	572 UNCH

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	PROANE NON LDH MT BELVIEU	PROANE NON LDH MT BLV BALMO						
	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
1R FUT								
MAY18	----	----	0.55750 + 0.00687		----	----	572	UNCH
JUN18	----	----	0.56063 + 0.00625		----	----	572	UNCH
JUL18	----	----	0.56500 + 0.00625		----	----	435	UNCH
AUG18	----	----	0.57125 + 0.00625		----	----	435	UNCH
SEP18	----	----	0.57875 + 0.00687		----	----	435	UNCH
OCT18	----	----	0.58563 + 0.00688		----	----	383	UNCH
NOV18	----	----	0.59188 + 0.00625		----	----	383	UNCH
DEC18	----	----	0.59813 + 0.00688		----	----	383	UNCH
JAN19	----	----	0.60333 + 0.00708		----	----	100	UNCH
FEB19	----	----	0.59667 + 0.00750		----	----	100	UNCH
MAR19	----	----	0.56167 + 0.01250		----	----	100	UNCH
APR19	----	----	0.53875 + 0.01250		----	----	100	UNCH
MAY19	----	----	0.53375 + 0.01292		----	----	100	UNCH
JUN19	----	----	0.53333 + 0.01333		----	----	100	UNCH
JUL19	----	----	0.54125 + 0.00687		----	----	100	UNCH
AUG19	----	----	0.54750 + 0.00687		----	----	100	UNCH
SEP19	----	----	0.55625 + 0.00687		----	----	100	UNCH
OCT19	----	----	0.56313 + 0.00688		----	----	100	UNCH
NOV19	----	----	0.57000 + 0.00687		----	----	100	UNCH
DEC19	----	----	0.57688 + 0.00688		----	----	100	UNCH
TOTAL 1R FUT						97	23049 +	35
1S FUT								
06JUL17	----	----	0.64573 + 0.00302		----	----	100	UNCH
TOTAL 1S FUT							100	

ETHANOL FUTURES PRODUCTS

	CHICAGO ETHANOL	ETHANOL(PL) T2 FOB RTRDM INCL	NEW YORK ETHANOL					
	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
CU FUT								
JUL17	----	----	1.5150 UNCH		----	----	7520 +	15
AUG17	----	----	1.5200 UNCH		----	912	5321 -	109
SEP17	----	----	1.5300 UNCH		----	929	6383 +	215
OCT17	----	----	1.5225 - 0.0025		----	615	4861 +	260
NOV17	----	----	1.5125 - 0.0025		----	90	3810 +	35
DEC17	----	----	1.4975 - 0.0025		----	25	5565 -	25
JAN18	----	----	1.4775 - 0.0025		----	90	2701 +	53
FEB18	----	----	1.4800 - 0.0025		----	25	2023	UNCH
MAR18	----	----	1.4925 - 0.0025		----	25	3014 -	25
APR18	----	----	1.5100 - 0.0025		----	----	731	UNCH
MAY18	----	----	1.5175 - 0.0025		----	----	270	UNCH
JUN18	----	----	1.5200 - 0.0025		----	----	232	UNCH
JUL18	----	----	1.5150 - 0.0025		----	----	6	UNCH
AUG18	----	----	1.5150 - 0.0025		----	----	6	UNCH
SEP18	----	----	1.5150 - 0.0025		----	----	6	UNCH
OCT18	----	----	1.5025 - 0.0025		----	----	6	UNCH
NOV18	----	----	1.5025 - 0.0025		----	----	6	UNCH
DEC18	----	----	1.5025 - 0.0025		----	----	6	UNCH
TOTAL CU FUT						2711	42467 +	419
Z1 FUT								
JUL17	----	----	571.571 - 0.429		----	20	421 +	20
AUG17	----	----	545.000 - 2.000		----	10	866	UNCH
SEP17	----	----	531.000 - 1.000		----	----	385	UNCH
OCT17	----	----	514.000 - 1.000		----	----	379	UNCH
NOV17	----	----	497.000 UNCH		----	----	342	UNCH
DEC17	----	----	488.000 UNCH		----	----	235	UNCH
JAN18	----	----	486.000 UNCH		----	----	387	UNCH
FEB18	----	----	484.000 - 1.000		----	----	237	UNCH
MAR18	----	----	484.000 - 1.000		----	----	337	UNCH
APR18	----	----	483.000 - 2.000		----	----	90	UNCH
MAY18	----	----	483.000 - 2.000		----	----	90	UNCH
JUN18	----	----	483.000 - 2.000		----	----	90	UNCH
JUL18	----	----	483.000 - 2.000		----	----	170	UNCH
AUG18	----	----	483.000 - 2.000		----	----	170	UNCH
SEP18	----	----	483.000 - 2.000		----	----	170	UNCH
OCT18	----	----	471.000 UNCH		----	----	130	UNCH
NOV18	----	----	471.000 UNCH		----	----	130	UNCH
DEC18	----	----	471.000 UNCH		----	----	130	UNCH
TOTAL Z1 FUT						30	4759 +	20
EZ FUT								
JUL17	----	----	1.5950 UNCH		----	----	635	UNCH
AUG17	----	----	1.5900 UNCH		----	50	375 +	50
SEP17	----	----	1.6000 UNCH		----	----	100	UNCH
OCT17	----	----	1.5875 - 0.0025		----	----	100	UNCH
NOV17	----	----	1.5775 - 0.0025		----	----	100	UNCH
DEC17	----	----	1.5625 - 0.0025		----	----	100	UNCH
TOTAL EZ FUT						50	1410 +	50

ELECTRICITY FUTURES PRODUCTS

	AEP-DAYTON HUB DAILY							
	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
VD FUT								
20JUL17	----	----	41.84 UNCH		----	----	0 -	85
21JUL17	----	----	42.69 - 4.31		----	----	85	UNCH
24JUL17	----	----	34.00 UNCH		----	----	85	UNCH
25JUL17	----	----	30.50 - 2.75		----	----	85	UNCH

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
VD FUT	AEP-DAYTON HUB DAILY						
26JUL17	----	----	34.00 + 0.75	----	----	85	UNCH
27JUL17	----	----	34.00 + 0.75	----	----	85	UNCH
28JUL17	----	----	34.00 + 0.75	----	----	85	UNCH
31JUL17	----	----	32.00 - 2.50	----	----	85	UNCH
TOTAL VD FUT						595 -	85
VP FUT	AEP-DAYTON HUB OFF-PEAK MONTHLY						
JUL17	----	----	25.35 + 0.60	----	----	50	UNCH
AUG17	----	----	23.59 - 0.27	----	----	50	UNCH
SEP17	----	----	22.80 - 0.28	----	----	50	UNCH
OCT17	----	----	23.33 - 0.12	----	----	50	UNCH
NOV17	----	----	23.90 - 0.38	----	----	50	UNCH
DEC17	----	----	26.40 - 0.40	----	----	50	UNCH
TOTAL VP FUT						300	
VM FUT	AER-DAYTON HUB MTHLY						
JUL17	----	----	32.90 - 0.68	----	----	70	UNCH
AUG17	----	----	34.33 - 0.73	----	----	70	UNCH
SEP17	----	----	32.24 - 0.72	----	----	70	UNCH
OCT17	----	----	32.15 - 0.63	----	----	70	UNCH
NOV17	----	----	32.23 - 0.55	----	----	70	UNCH
DEC17	----	----	34.10 - 0.63	----	----	70	UNCH
TOTAL VM FUT						420	
9X FUT	CAISO SP15 EZGNHUB5 MW P DAY A						
AUG17	----	----	44.65 + 1.90	----	----	1350	UNCH
SEP17	----	----	38.50 + 0.30	----	----	1250	UNCH
TOTAL 9X FUT						2600	
9Z FUT	CAISO SP15 EZGNHUB5 PEAK CLN D						
11JUL17	----	----	39.74 UNCH	----	----	0 -	50
12JUL17	----	----	40.50 UNCH	----	----	50	UNCH
13JUL17	----	----	39.89 UNCH	----	----	50	UNCH
14JUL17	----	----	42.26 UNCH	----	----	50	UNCH
15JUL17	----	----	42.11 UNCH	----	----	50	UNCH
17JUL17	----	----	42.45 UNCH	----	----	50	UNCH
18JUL17	----	----	39.01 UNCH	----	----	50	UNCH
19JUL17	----	----	39.36 UNCH	----	----	50	UNCH
20JUL17	----	----	39.30 UNCH	----	----	50	UNCH
21JUL17	----	----	40.75 + 0.19	----	----	50	UNCH
22JUL17	----	----	37.44 - 5.56	----	----	50	UNCH
24JUL17	----	----	43.90 + 0.90	----	----	50	UNCH
25JUL17	----	----	46.50 + 3.50	----	----	50	UNCH
26JUL17	----	----	46.50 + 3.50	----	----	50	UNCH
27JUL17	----	----	46.50 + 3.50	----	----	50	UNCH
28JUL17	----	----	46.50 + 3.50	----	----	50	UNCH
29JUL17	----	----	46.50 + 3.50	----	----	50	UNCH
31JUL17	----	----	46.50 + 3.50	----	----	50	UNCH
TOTAL 9Z FUT						850 -	50
K2 FUT	CIN HUB 5MW D AH O PK						
AUG17	----	----	24.31 - 0.15	----	----	20680	UNCH
SEP17	----	----	23.81 - 0.22	----	----	22000	UNCH
OCT17	----	----	24.49 - 0.20	----	----	21560	UNCH
NOV17	----	----	25.23 - 0.16	----	----	21120	UNCH
DEC17	----	----	26.82 - 0.22	----	----	23320	UNCH
JAN18	----	----	31.76 - 0.69	----	----	17640	UNCH
FEB18	----	----	29.69 - 0.66	----	----	15840	UNCH
MAR18	----	----	29.46 - 0.23	----	----	17640	UNCH
APR18	----	----	26.74 - 0.17	----	----	17280	UNCH
MAY18	----	----	22.85 - 0.05	----	----	17640	UNCH
JUN18	----	----	23.10 - 0.05	----	----	17280	UNCH
JUL18	----	----	25.02 + 0.01	----	----	18360	UNCH
AUG18	----	----	23.18 - 0.01	----	----	16920	UNCH
SEP18	----	----	22.85 UNCH	----	----	18720	UNCH
OCT18	----	----	23.12 - 0.10	----	----	16920	UNCH
NOV18	----	----	23.48 - 0.09	----	----	17280	UNCH
DEC18	----	----	26.45 - 0.11	----	----	19080	UNCH
TOTAL K2 FUT						319280	
H5 FUT	CIN HUB 5MW D AH PK						
AUG17	----	----	36.29 - 0.62	----	----	2047	UNCH
SEP17	----	----	34.66 - 0.25	----	----	1460	UNCH
OCT17	----	----	34.89 - 0.39	----	----	1760	UNCH
NOV17	----	----	35.34 - 0.34	----	----	1512	UNCH
DEC17	----	----	35.98 - 0.44	----	----	1400	UNCH
JAN18	----	----	40.68 - 1.14	----	----	660	UNCH
FEB18	----	----	39.32 - 1.01	----	----	600	UNCH
MAR18	----	----	36.54 - 0.37	----	----	660	UNCH
APR18	----	----	34.96 - 0.38	----	----	651	UNCH
MAY18	----	----	34.30 - 0.33	----	----	660	UNCH
JUN18	----	----	35.00 - 0.13	----	----	651	UNCH
JUL18	----	----	38.82 - 0.35	----	----	672	UNCH
AUG18	----	----	37.48 - 0.35	----	----	736	UNCH
SEP18	----	----	34.08 - 0.07	----	----	589	UNCH
OCT18	----	----	33.78 - 0.35	----	----	736	UNCH
NOV18	----	----	33.33 - 0.35	----	----	672	UNCH
DEC18	----	----	33.53 - 0.35	----	----	600	UNCH
JUN19	----	----	33.53 - 0.18	----	----	20	UNCH
TOTAL H5 FUT						16086	
H4 FUT	CIN HUB 5MW REAL TIME O PK						
AUG17	----	----	23.71 - 0.15	----	----	18424	UNCH
SEP17	----	----	23.21 - 0.22	----	----	19600	UNCH
OCT17	----	----	23.89 - 0.20	----	----	12544	UNCH
NOV17	----	----	24.63 - 0.16	----	----	12288	UNCH
DEC17	----	----	26.22 - 0.22	----	----	13568	UNCH
JAN18	----	----	31.16 - 0.69	----	----	25088	UNCH
FEB18	----	----	29.09 - 0.66	----	----	22528	UNCH
MAR18	----	----	28.86 - 0.23	----	----	27440	UNCH
APR18	----	----	26.14 - 0.17	----	----	26880	UNCH
MAY18	----	----	22.25 - 0.05	----	----	27440	UNCH
JUN18	----	----	22.50 - 0.05	----	----	26880	UNCH
JUL18	----	----	24.42 + 0.01	----	----	28560	UNCH
AUG18	----	----	22.58 - 0.01	----	----	26320	UNCH
SEP18	----	----	22.25 UNCH	----	----	29120	UNCH
OCT18	----	----	22.52 - 0.10	----	----	26320	UNCH

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PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
H4 FUT CIN HUB 5MW REAL TIME O PK							
NOV18	----	----	22.88 - 0.09	----	----	26880	UNCH
DEC18	----	----	25.85 - 0.11	----	----	29680	UNCH
JAN19	----	----	30.97 - 0.30	----	----	9800	UNCH
FEB19	----	----	30.17 - 0.30	----	----	8800	UNCH
MAR19	----	----	26.54 - 0.29	----	----	10200	UNCH
APR19	----	----	24.05 - 0.24	----	----	9200	UNCH
MAY19	----	----	23.05 + 0.86	----	----	9800	UNCH
JUN19	----	----	22.60 - 0.24	----	----	10000	UNCH
JUL19	----	----	24.35 - 0.24	----	----	9800	UNCH
AUG19	----	----	22.70 - 0.24	----	----	9800	UNCH
SEP19	----	----	21.96 - 0.23	----	----	10000	UNCH
OCT19	----	----	20.96 - 0.24	----	----	9400	UNCH
NOV19	----	----	21.86 - 0.23	----	----	10000	UNCH
DEC19	----	----	24.50 - 0.24	----	----	10200	UNCH
JAN20	----	----	32.42 - 0.41	----	----	2744	UNCH
FEB20	----	----	31.58 - 0.41	----	----	2632	UNCH
MAR20	----	----	26.33 - 0.33	----	----	2744	UNCH
APR20	----	----	23.68 - 0.32	----	----	2576	UNCH
MAY20	----	----	21.12 - 0.16	----	----	2968	UNCH
JUN20	----	----	21.22 - 0.16	----	----	2576	UNCH
JUL20	----	----	24.31 - 0.18	----	----	2632	UNCH
AUG20	----	----	22.59 - 0.17	----	----	2856	UNCH
SEP20	----	----	21.17 - 0.16	----	----	2688	UNCH
OCT20	----	----	21.47 - 0.16	----	----	2744	UNCH
NOV20	----	----	22.10 - 0.17	----	----	2800	UNCH
DEC20	----	----	24.81 - 0.22	----	----	2744	UNCH
TOTAL H4 FUT						549264	
H3 FUT CIN HUB 5MW REAL TIME PK							
AUG17	----	----	35.34 - 0.62	----	----	1932	UNCH
SEP17	----	----	33.71 - 0.25	----	----	1180	UNCH
OCT17	----	----	33.94 - 0.39	----	----	1078	UNCH
NOV17	----	----	34.39 - 0.34	----	----	1029	UNCH
DEC17	----	----	35.03 - 0.44	----	----	1580	UNCH
JAN18	----	----	39.68 - 1.14	----	----	2046	UNCH
FEB18	----	----	38.32 - 1.01	----	----	1860	UNCH
MAR18	----	----	35.54 - 0.37	----	----	1826	UNCH
APR18	----	----	33.96 - 0.38	----	----	1743	UNCH
MAY18	----	----	33.30 - 0.33	----	----	1826	UNCH
JUN18	----	----	34.00 - 0.13	----	----	1743	UNCH
JUL18	----	----	37.82 - 0.35	----	----	1743	UNCH
AUG18	----	----	36.48 - 0.35	----	----	1909	UNCH
SEP18	----	----	33.08 - 0.07	----	----	1577	UNCH
OCT18	----	----	32.78 - 0.35	----	----	1909	UNCH
NOV18	----	----	32.33 - 0.35	----	----	1743	UNCH
DEC18	----	----	32.53 - 0.35	----	----	1660	UNCH
JAN19	----	----	40.49 - 0.67	----	----	1320	UNCH
FEB19	----	----	39.00 - 0.63	----	----	1200	UNCH
MAR19	----	----	33.76 - 0.19	----	----	1260	UNCH
APR19	----	----	32.43 - 0.18	----	----	1320	UNCH
MAY19	----	----	32.08 - 0.14	----	----	1320	UNCH
JUN19	----	----	32.53 - 0.18	----	----	1200	UNCH
JUL19	----	----	37.52 - 0.43	----	----	1320	UNCH
AUG19	----	----	35.30 - 0.38	----	----	1320	UNCH
SEP19	----	----	31.64 - 0.18	----	----	1200	UNCH
OCT19	----	----	30.30 - 0.14	----	----	1380	UNCH
NOV19	----	----	29.76 - 0.14	----	----	1200	UNCH
DEC19	----	----	30.95 - 0.18	----	----	1260	UNCH
JAN20	----	----	40.43 - 0.36	----	----	154	UNCH
FEB20	----	----	38.95 - 0.36	----	----	140	UNCH
MAR20	----	----	33.01 - 0.27	----	----	154	UNCH
APR20	----	----	32.22 - 0.22	----	----	154	UNCH
MAY20	----	----	31.38 - 0.23	----	----	140	UNCH
JUN20	----	----	33.01 - 0.23	----	----	154	UNCH
JUL20	----	----	38.95 - 0.26	----	----	161	UNCH
AUG20	----	----	36.27 - 0.27	----	----	147	UNCH
SEP20	----	----	31.33 - 0.23	----	----	147	UNCH
OCT20	----	----	29.40 - 0.13	----	----	154	UNCH
NOV20	----	----	29.59 - 0.14	----	----	140	UNCH
DEC20	----	----	31.08 - 0.13	----	----	154	UNCH
TOTAL H3 FUT						45483	
EJ FUT CINERGY HUB OFF-PEAK MONTH							
JAN18	----	----	31.16 - 0.69	----	----	10	UNCH
FEB18	----	----	29.09 - 0.66	----	----	10	UNCH
MAR18	----	----	28.86 - 0.23	----	----	10	UNCH
APR18	----	----	26.14 - 0.17	----	----	10	UNCH
MAY18	----	----	22.25 - 0.05	----	----	10	UNCH
JUN18	----	----	22.50 - 0.05	----	----	10	UNCH
JUL18	----	----	24.42 + 0.01	----	----	10	UNCH
AUG18	----	----	22.58 - 0.01	----	----	10	UNCH
SEP18	----	----	22.25 UNCH	----	----	10	UNCH
OCT18	----	----	22.52 - 0.10	----	----	10	UNCH
NOV18	----	----	22.88 - 0.09	----	----	10	UNCH
DEC18	----	----	25.85 - 0.11	----	----	10	UNCH
TOTAL EJ FUT						120	
EM FUT CINERGY HUB PEAK MONTH							
JAN18	----	----	39.68 - 1.14	----	----	24	UNCH
FEB18	----	----	38.32 - 1.01	----	----	24	UNCH
MAR18	----	----	35.54 - 0.37	----	----	24	UNCH
APR18	----	----	33.96 - 0.38	----	----	24	UNCH
MAY18	----	----	33.30 - 0.33	----	----	24	UNCH
JUN18	----	----	34.00 - 0.13	----	----	24	UNCH
JUL18	----	----	37.82 - 0.35	----	----	24	UNCH
AUG18	----	----	36.48 - 0.35	----	----	24	UNCH
SEP18	----	----	33.08 - 0.07	----	----	24	UNCH
OCT18	----	----	32.78 - 0.35	----	----	24	UNCH
NOV18	----	----	32.33 - 0.35	----	----	24	UNCH
DEC18	----	----	32.53 - 0.35	----	----	24	UNCH
TOTAL EM FUT						288	
I1 FUT ERCOT HSTN Z MCPE 5 MW PEAK SW							
JAN18	----	----	32.59 - 0.60	----	----	880	UNCH
FEB18	----	----	32.43 - 0.63	----	----	800	UNCH
TOTAL I1 FUT						1680	
ERE FUT ERCOT NORTH 345 KV HUB DAY AHEAD PK							

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PG61 BULLETIN #140@		ENERGY FUTURES PRODUCTS					Mon, Jul 24, 2017		PG61	
		GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. & PT.	PRICE CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST		
AUG17		----	----	53.78	- 1.02	----	----	690	UNCH	
TOTAL	ERE FUT							690		
I5 FUT	ERCOT NRTH Z MCPE 5 MW PEAK SW									
JAN18		----	----	27.59	- 0.50	----	----	880	UNCH	
FEB18		----	----	27.46	- 0.52	----	----	800	UNCH	
TOTAL	I5 FUT							1680		
IDO FUT	ISO NEW ENG MASS HUB DA OP DAILY									
15JUL17		----	----	21.85	UNCH	----	----	0	864	
16JUL17		----	----	23.67	UNCH	----	----	0	864	
17JUL17		----	----	18.51	UNCH	----	----	0	288	
18JUL17		----	----	23.16	UNCH	----	----	288	UNCH	
19JUL17		----	----	23.89	UNCH	----	----	288	UNCH	
20JUL17		----	----	29.03	UNCH	----	----	288	UNCH	
21JUL17		----	----	25.62	UNCH	----	----	288	UNCH	
22JUL17		----	----	31.75	UNCH	----	----	864	UNCH	
23JUL17		----	----	24.64	+ 1.14	----	----	864	UNCH	
24JUL17		----	----	20.36	- 3.14	----	----	288	UNCH	
25JUL17		----	----	17.51	- 5.99	----	----	288	UNCH	
26JUL17		----	----	23.50	UNCH	----	----	288	UNCH	
27JUL17		----	----	23.50	UNCH	----	----	288	UNCH	
28JUL17		----	----	23.50	UNCH	----	----	288	UNCH	
29JUL17		----	----	23.50	UNCH	----	----	864	UNCH	
30JUL17		----	----	23.50	UNCH	----	----	864	UNCH	
31JUL17		----	----	23.50	UNCH	----	----	288	UNCH	
TOTAL	IDO FUT							6336	2016	
KI FUT	ISO NEW ENGLAND OFF-PEAK LMP									
JUL17		----	----	23.50	- 0.11	----	----	14	UNCH	
AUG17		----	----	22.90	- 0.83	----	----	14	UNCH	
SEP17		----	----	20.12	- 0.91	----	----	14	UNCH	
OCT17		----	----	20.80	- 0.75	----	----	14	UNCH	
NOV17		----	----	26.98	- 0.40	----	----	14	UNCH	
DEC17		----	----	43.33	- 0.47	----	----	14	UNCH	
TOTAL	KI FUT							84		
NI FUT	ISO NEW ENGLAND PEAK LMP									
JUL17		----	----	36.99	- 1.19	----	----	17	UNCH	
AUG17		----	----	34.87	- 0.86	----	----	17	UNCH	
SEP17		----	----	30.03	- 1.79	----	----	17	UNCH	
OCT17		----	----	27.55	- 0.88	----	----	17	UNCH	
NOV17		----	----	35.83	- 0.77	----	----	17	UNCH	
DEC17		----	----	55.53	- 0.57	----	----	17	UNCH	
TOTAL	NI FUT							102		
HMW FUT	MIDWEST ISO MICHIGAN HUB 5MW PEAK C									
JUL17		----	----	39.09	- 0.50	----	----	1100	UNCH	
AUG17		----	----	37.24	- 0.62	----	----	1265	UNCH	
SEP17		----	----	35.61	- 0.25	----	----	1100	UNCH	
OCT17		----	----	35.84	- 0.39	----	----	1210	UNCH	
NOV17		----	----	36.29	- 0.34	----	----	1155	UNCH	
DEC17		----	----	36.93	- 0.44	----	----	1100	UNCH	
JAN18		----	----	41.58	- 1.14	----	----	44	UNCH	
FEB18		----	----	40.22	- 1.01	----	----	40	UNCH	
MAR18		----	----	37.44	- 0.37	----	----	44	UNCH	
APR18		----	----	35.86	- 0.38	----	----	42	UNCH	
MAY18		----	----	35.20	- 0.33	----	----	44	UNCH	
JUN18		----	----	35.90	- 0.13	----	----	42	UNCH	
JUL18		----	----	39.72	- 0.35	----	----	42	UNCH	
AUG18		----	----	38.38	- 0.35	----	----	46	UNCH	
SEP18		----	----	34.98	- 0.07	----	----	38	UNCH	
OCT18		----	----	34.68	- 0.35	----	----	46	UNCH	
NOV18		----	----	34.23	- 0.35	----	----	42	UNCH	
DEC18		----	----	34.43	- 0.35	----	----	40	UNCH	
TOTAL	HMW FUT							7440		
FAD FUT	MISO INDIANA HUB 5MW OFPK CALDAY DA									
14JUL17		----	----	21.61	UNCH	----	----	0	440	
15JUL17		----	----	25.48	UNCH	----	----	0	1320	
16JUL17		----	----	25.00	UNCH	----	----	0	1320	
17JUL17		----	----	21.39	UNCH	----	----	440	UNCH	
18JUL17		----	----	21.12	UNCH	----	----	440	UNCH	
19JUL17		----	----	23.18	UNCH	----	----	440	UNCH	
20JUL17		----	----	24.53	UNCH	----	----	440	UNCH	
21JUL17		----	----	25.08	UNCH	----	----	440	UNCH	
22JUL17		----	----	33.85	UNCH	----	----	1320	UNCH	
23JUL17		----	----	30.73	+ 3.28	----	----	1320	UNCH	
24JUL17		----	----	21.94	- 5.51	----	----	440	UNCH	
25JUL17		----	----	20.35	- 7.10	----	----	440	UNCH	
26JUL17		----	----	27.45	UNCH	----	----	440	UNCH	
27JUL17		----	----	27.45	UNCH	----	----	440	UNCH	
28JUL17		----	----	27.45	UNCH	----	----	440	UNCH	
29JUL17		----	----	27.45	UNCH	----	----	1320	UNCH	
30JUL17		----	----	27.45	UNCH	----	----	1320	UNCH	
31JUL17		----	----	27.45	UNCH	----	----	440	UNCH	
TOTAL	FAD FUT							10120	3080	
FTD FUT	MISO INDIANA HUB 5MW OFPK CALDAY RT									
14JUL17		----	----	21.94	UNCH	----	----	0	392	
15JUL17		----	----	25.75	UNCH	----	----	0	1176	
16JUL17		----	----	28.14	UNCH	----	----	0	1176	
17JUL17		----	----	20.08	UNCH	----	----	392	UNCH	
18JUL17		----	----	22.47	UNCH	----	----	392	UNCH	
19JUL17		----	----	22.97	UNCH	----	----	392	UNCH	
20JUL17		----	----	25.97	UNCH	----	----	392	UNCH	
21JUL17		----	----	24.36	- 0.18	----	----	392	UNCH	
22JUL17		----	----	28.96	+ 4.42	----	----	1176	UNCH	
23JUL17		----	----	24.62	+ 0.08	----	----	1176	UNCH	
24JUL17		----	----	24.54	UNCH	----	----	392	UNCH	
25JUL17		----	----	24.54	UNCH	----	----	392	UNCH	
26JUL17		----	----	24.54	UNCH	----	----	392	UNCH	
27JUL17		----	----	24.54	UNCH	----	----	392	UNCH	
28JUL17		----	----	24.54	UNCH	----	----	392	UNCH	
29JUL17		----	----	24.54	UNCH	----	----	1176	UNCH	
30JUL17		----	----	24.54	UNCH	----	----	1176	UNCH	
31JUL17		----	----	24.54	UNCH	----	----	392	UNCH	
TOTAL	FTD FUT							9016	2744	

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
PDD FUT MISO INDIANA HUB 5MW PK CAL DAYHD						
14JUL17	----	----	29.90 UNCH	----	----	0 - 86
17JUL17	----	----	32.36 UNCH	----	----	86 UNCH
18JUL17	----	----	37.89 UNCH	----	----	86 UNCH
19JUL17	----	----	43.72 UNCH	----	----	86 UNCH
20JUL17	----	----	52.64 UNCH	----	----	86 UNCH
21JUL17	----	----	48.57 UNCH	----	----	86 UNCH
24JUL17	----	----	35.58 - 12.99	----	----	86 UNCH
25JUL17	----	----	32.65 - 2.35	----	----	86 UNCH
26JUL17	----	----	32.50 - 2.50	----	----	86 UNCH
27JUL17	----	----	32.50 - 2.50	----	----	86 UNCH
28JUL17	----	----	32.50 - 2.50	----	----	86 UNCH
31JUL17	----	----	34.50 - 3.00	----	----	86 UNCH
TOTAL PDD FUT						946 - 86
PTD FUT MISO INDIANA HUB 5MW PK CAL-DAY RT						
13JUL17	----	----	29.35 UNCH	----	----	0 - 74
14JUL17	----	----	32.00 UNCH	----	----	0 - 74
17JUL17	----	----	57.19 UNCH	----	----	74 UNCH
18JUL17	----	----	57.42 UNCH	----	----	74 UNCH
19JUL17	----	----	47.77 UNCH	----	----	74 UNCH
20JUL17	----	----	34.41 - 0.09	----	----	74 UNCH
21JUL17	----	----	37.70 - 7.80	----	----	74 UNCH
24JUL17	----	----	34.25 UNCH	----	----	74 UNCH
25JUL17	----	----	31.25 - 3.75	----	----	74 UNCH
26JUL17	----	----	32.50 - 2.50	----	----	74 UNCH
27JUL17	----	----	32.50 - 2.50	----	----	74 UNCH
28JUL17	----	----	32.50 - 2.50	----	----	74 UNCH
31JUL17	----	----	34.50 - 3.00	----	----	74 UNCH
TOTAL PTD FUT						814 - 148
HMO FUT MISO MICHIGAN HUB OF-PK DA MONTHLY						
JUL17	----	----	25.81 + 0.06	----	----	19080 UNCH
AUG17	----	----	25.21 - 0.15	----	----	16920 UNCH
SEP17	----	----	24.71 - 0.22	----	----	18000 UNCH
OCT17	----	----	25.39 - 0.20	----	----	17640 UNCH
NOV17	----	----	26.13 - 0.16	----	----	17280 UNCH
DEC17	----	----	27.72 - 0.22	----	----	19080 UNCH
JAN18	----	----	32.66 - 0.69	----	----	784 UNCH
FEB18	----	----	30.59 - 0.66	----	----	704 UNCH
MAR18	----	----	30.36 - 0.23	----	----	784 UNCH
APR18	----	----	27.64 - 0.17	----	----	768 UNCH
MAY18	----	----	23.75 - 0.05	----	----	784 UNCH
JUN18	----	----	24.00 - 0.05	----	----	768 UNCH
JUL18	----	----	25.92 + 0.01	----	----	816 UNCH
AUG18	----	----	24.08 - 0.01	----	----	752 UNCH
SEP18	----	----	23.75 UNCH	----	----	832 UNCH
OCT18	----	----	24.02 - 0.10	----	----	752 UNCH
NOV18	----	----	24.38 - 0.09	----	----	768 UNCH
DEC18	----	----	27.35 - 0.11	----	----	848 UNCH
TOTAL HMO FUT						117360
UD FUT N ILLINOIS HUB DAILY						
20JUL17	----	----	34.99 UNCH	----	----	0 - 147
21JUL17	----	----	39.93 - 4.07	----	----	147 UNCH
24JUL17	----	----	32.50 UNCH	----	----	147 UNCH
25JUL17	----	----	31.50 - 1.00	----	----	147 UNCH
26JUL17	----	----	32.50 UNCH	----	----	147 UNCH
27JUL17	----	----	32.50 UNCH	----	----	147 UNCH
28JUL17	----	----	32.50 UNCH	----	----	147 UNCH
31JUL17	----	----	33.50 + 1.00	----	----	147 UNCH
TOTAL UD FUT						1029 - 147
UM FUT N ILLINOIS HUB MTHLY						
JUL17	----	----	32.50 UNCH	----	----	20 UNCH
AUG17	----	----	33.46 - 0.74	----	----	20 UNCH
SEP17	----	----	31.21 - 0.68	----	----	20 UNCH
OCT17	----	----	30.65 - 0.58	----	----	20 UNCH
NOV17	----	----	30.70 - 0.55	----	----	20 UNCH
DEC17	----	----	32.00 - 0.63	----	----	20 UNCH
TOTAL UM FUT						120
P3 FUT NEPOOL CNCTCT 5MW D AH O PK						
JUL17	----	----	23.92 - 0.17	----	----	424 UNCH
AUG17	----	----	23.45 - 0.85	----	----	376 UNCH
SEP17	----	----	20.60 - 0.85	----	----	400 UNCH
OCT17	----	----	20.95 - 0.90	----	----	392 UNCH
NOV17	----	----	27.10 - 0.35	----	----	385 UNCH
DEC17	----	----	43.55 - 0.45	----	----	424 UNCH
TOTAL P3 FUT						2401
P2 FUT NEPOOL CONECTIC 5MW D AH PK						
JUL17	----	----	37.54 - 1.26	----	----	20 UNCH
AUG17	----	----	35.50 - 1.25	----	----	23 UNCH
SEP17	----	----	30.65 - 1.35	----	----	20 UNCH
OCT17	----	----	27.80 - 1.35	----	----	22 UNCH
NOV17	----	----	36.10 - 1.10	----	----	21 UNCH
DEC17	----	----	56.15 - 0.40	----	----	20 UNCH
TOTAL P2 FUT						126
H2 FUT NEPOOL INTR HUB 5MW D AH O PK						
AUG17	----	----	22.90 - 0.83	----	----	13536 UNCH
SEP17	----	----	20.12 - 0.91	----	----	14400 UNCH
OCT17	----	----	20.80 - 0.75	----	----	14112 UNCH
NOV17	----	----	26.98 - 0.40	----	----	12705 UNCH
DEC17	----	----	43.33 - 0.47	----	----	13992 UNCH
JAN18	----	----	62.33 - 0.56	----	----	16464 UNCH
FEB18	----	----	59.32 - 0.54	----	----	14784 UNCH
MAR18	----	----	39.25 - 0.45	----	----	12512 UNCH
APR18	----	----	24.00 - 0.15	----	----	12288 UNCH
MAY18	----	----	21.58 - 0.15	----	----	12544 UNCH
JUN18	----	----	21.68 - 0.15	----	----	12288 UNCH
JUL18	----	----	24.27 - 0.15	----	----	13056 UNCH
AUG18	----	----	22.58 - 0.15	----	----	12032 UNCH
SEP18	----	----	20.85 - 0.45	----	----	13312 UNCH
OCT18	----	----	21.75 - 0.15	----	----	12032 UNCH
NOV18	----	----	26.00 - 0.30	----	----	12320 UNCH
DEC18	----	----	42.65 - 0.35	----	----	13568 UNCH



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Table with columns: GLOBEX OPEN, GLOBEX HIGH/LOW, SETT. PRICE & PT. CHGE, GLOBEX VOLUME, PNT/PIT VOLUME, OPEN INTEREST. Rows include H2 FUT, U6 FUT, U4 FUT, U5 FUT with various contract months and prices.

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
U5 FUT NEPOOL RHODE IL 5MW D AH O PK							
OCT17	----	----	21.86 - 0.60	----	----	1960	UNCH
NOV17	----	----	27.59 - 0.51	----	----	1925	UNCH
DEC17	----	----	44.21 - 0.86	----	----	2120	UNCH
TOTAL U5 FUT						12005	
L9 FUT NEPOOL W CNT MASS 5MW D AH O PK							
JUL17	----	----	23.67 - 0.13	----	----	848	UNCH
AUG17	----	----	23.24 - 0.68	----	----	752	UNCH
SEP17	----	----	20.45 - 0.73	----	----	800	UNCH
OCT17	----	----	21.28 - 0.60	----	----	784	UNCH
NOV17	----	----	26.91 - 0.50	----	----	770	UNCH
DEC17	----	----	43.20 - 0.86	----	----	848	UNCH
TOTAL L9 FUT						4802	
R6 FUT NEPOOL W CNTR M 5MW D AH PK							
JUL17	----	----	37.15 - 1.19	----	----	40	UNCH
AUG17	----	----	35.31 - 0.88	----	----	46	UNCH
SEP17	----	----	30.39 - 1.27	----	----	40	UNCH
OCT17	----	----	27.47 - 1.19	----	----	44	UNCH
NOV17	----	----	35.55 - 1.03	----	----	42	UNCH
DEC17	----	----	54.55 - 1.14	----	----	40	UNCH
TOTAL R6 FUT						252	
CE FUT NEW ENGLAND HUB PEAK DAILY							
07JUL17	----	----	25.82 UNCH	----	----	0	59
10JUL17	----	----	33.33 UNCH	----	----	59	UNCH
11JUL17	----	----	37.88 UNCH	----	----	59	UNCH
12JUL17	----	----	45.68 UNCH	----	----	59	UNCH
13JUL17	----	----	34.47 UNCH	----	----	59	UNCH
14JUL17	----	----	26.73 UNCH	----	----	59	UNCH
17JUL17	----	----	31.87 UNCH	----	----	59	UNCH
18JUL17	----	----	35.55 UNCH	----	----	59	UNCH
19JUL17	----	----	54.80 UNCH	----	----	59	UNCH
20JUL17	----	----	63.48 UNCH	----	----	59	UNCH
21JUL17	----	----	51.54 UNCH	----	----	59	UNCH
24JUL17	----	----	28.40 - 9.90	----	----	59	UNCH
25JUL17	----	----	24.35 - 13.95	----	----	59	UNCH
26JUL17	----	----	38.30 UNCH	----	----	59	UNCH
27JUL17	----	----	38.30 UNCH	----	----	59	UNCH
28JUL17	----	----	38.30 UNCH	----	----	59	UNCH
31JUL17	----	----	38.30 UNCH	----	----	59	UNCH
TOTAL CE FUT						944	59
GN FUT NEW YORK HUB ZONE G PEAK DAILY							
07JUL17	----	----	30.97 UNCH	----	----	0	112
10JUL17	----	----	34.95 UNCH	----	----	112	UNCH
11JUL17	----	----	39.84 UNCH	----	----	112	UNCH
12JUL17	----	----	39.39 UNCH	----	----	112	UNCH
13JUL17	----	----	41.95 UNCH	----	----	112	UNCH
14JUL17	----	----	32.00 UNCH	----	----	112	UNCH
17JUL17	----	----	39.23 UNCH	----	----	112	UNCH
18JUL17	----	----	38.04 UNCH	----	----	112	UNCH
19JUL17	----	----	45.04 UNCH	----	----	112	UNCH
20JUL17	----	----	53.30 UNCH	----	----	112	UNCH
21JUL17	----	----	51.76 UNCH	----	----	112	UNCH
24JUL17	----	----	32.38 - 6.65	----	----	112	UNCH
25JUL17	----	----	30.60 - 8.43	----	----	112	UNCH
26JUL17	----	----	39.03 UNCH	----	----	112	UNCH
27JUL17	----	----	39.03 UNCH	----	----	112	UNCH
28JUL17	----	----	39.03 UNCH	----	----	112	UNCH
31JUL17	----	----	39.03 UNCH	----	----	112	UNCH
TOTAL GN FUT						1792	112
JN FUT NEW YORK HUB ZONE J PEAK DAILY							
07JUL17	----	----	36.88 UNCH	----	----	0	65
10JUL17	----	----	39.52 UNCH	----	----	65	UNCH
11JUL17	----	----	50.11 UNCH	----	----	65	UNCH
12JUL17	----	----	52.87 UNCH	----	----	65	UNCH
13JUL17	----	----	62.14 UNCH	----	----	65	UNCH
14JUL17	----	----	41.98 UNCH	----	----	65	UNCH
17JUL17	----	----	42.30 UNCH	----	----	65	UNCH
18JUL17	----	----	43.27 UNCH	----	----	65	UNCH
19JUL17	----	----	50.11 UNCH	----	----	65	UNCH
20JUL17	----	----	59.14 UNCH	----	----	65	UNCH
21JUL17	----	----	57.35 UNCH	----	----	65	UNCH
24JUL17	----	----	38.34 - 6.01	----	----	65	UNCH
25JUL17	----	----	34.63 - 9.72	----	----	65	UNCH
26JUL17	----	----	44.35 UNCH	----	----	65	UNCH
27JUL17	----	----	44.35 UNCH	----	----	65	UNCH
28JUL17	----	----	44.35 UNCH	----	----	65	UNCH
31JUL17	----	----	44.35 UNCH	----	----	65	UNCH
TOTAL JN FUT						1040	65
KJ FUT NYISO J							
JUL17	----	----	45.30 - 0.79	----	----	240	UNCH
AUG17	----	----	41.85 - 0.73	----	----	276	UNCH
SEP17	----	----	34.28 - 0.72	----	----	100	UNCH
OCT17	----	----	31.63 - 0.57	----	----	110	UNCH
NOV17	----	----	35.83 - 0.77	----	----	105	UNCH
DEC17	----	----	50.98 - 0.77	----	----	100	UNCH
TOTAL KJ FUT						931	
KK FUT NYISO J OFF-PEAK							
JUL17	----	----	28.10 - 0.05	----	----	30	UNCH
AUG17	----	----	26.60 - 0.50	----	----	30	UNCH
SEP17	----	----	21.98 - 0.39	----	----	30	UNCH
OCT17	----	----	20.93 - 0.25	----	----	30	UNCH
NOV17	----	----	23.98 - 0.17	----	----	30	UNCH
DEC17	----	----	38.33 - 0.17	----	----	30	UNCH
TOTAL KK FUT						180	
LHV FUT NYISO LOW HUD VAL CAP FUT							
AUG17	----	----	9.69 - 0.01	----	----	21	UNCH
SEP17	----	----	9.69 - 0.01	----	----	21	UNCH
OCT17	----	----	9.69 - 0.01	----	----	21	UNCH
NOV17	----	----	3.40 UNCH	----	----	10	UNCH
DEC17	----	----	3.40 UNCH	----	----	10	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	
LHV FUT NYISO LOW HUD VAL CAP FUT							
JAN18	----	----	3.40 UNCH	----	----	25	UNCH
FEB18	----	----	3.40 UNCH	----	----	25	UNCH
MAR18	----	----	3.40 UNCH	----	----	25	UNCH
APR18	----	----	3.40 UNCH	----	----	25	UNCH
MAY18	----	----	8.67 - 0.01	----	----	18	UNCH
JUN18	----	----	8.67 - 0.01	----	----	18	UNCH
JUL18	----	----	8.67 - 0.01	----	----	18	UNCH
AUG18	----	----	8.67 - 0.01	----	----	18	UNCH
SEP18	----	----	8.67 - 0.01	----	----	18	UNCH
OCT18	----	----	8.67 - 0.01	----	----	18	UNCH
NOV18	----	----	3.48 UNCH	----	----	17	UNCH
DEC18	----	----	3.48 UNCH	----	----	17	UNCH
JAN19	----	----	3.48 UNCH	----	----	2	UNCH
FEB19	----	----	3.48 UNCH	----	----	2	UNCH
MAR19	----	----	3.48 UNCH	----	----	2	UNCH
APR19	----	----	3.48 UNCH	----	----	2	UNCH
TOTAL LHV FUT						333	
NNC FUT NYISO NYC IN-CITY CAPACITY CAL MO							
AUG17	----	----	9.83 - 0.01	----	----	168	UNCH
SEP17	----	----	9.83 - 0.01	----	----	168	UNCH
OCT17	----	----	9.83 - 0.01	----	----	168	UNCH
NOV17	----	----	3.48 UNCH	----	----	135	UNCH
DEC17	----	----	3.48 UNCH	----	----	135	UNCH
JAN18	----	----	3.48 UNCH	----	----	102	UNCH
FEB18	----	----	3.48 UNCH	----	----	102	UNCH
MAR18	----	----	3.48 UNCH	----	----	102	UNCH
APR18	----	----	3.48 UNCH	----	----	102	UNCH
MAY18	----	----	11.61 - 0.01	----	----	2	UNCH
JUN18	----	----	11.61 - 0.01	----	----	2	UNCH
JUL18	----	----	11.61 - 0.01	----	----	2	UNCH
AUG18	----	----	11.61 - 0.01	----	----	2	UNCH
SEP18	----	----	11.61 - 0.01	----	----	2	UNCH
OCT18	----	----	11.61 - 0.01	----	----	2	UNCH
NOV18	----	----	3.70 UNCH	----	----	2	UNCH
DEC18	----	----	3.70 UNCH	----	----	2	UNCH
TOTAL NNC FUT						1198	
NRS FUT NYISO REST OF STATE CAPACITY CAL MO							
AUG17	----	----	2.50 UNCH	----	----	135	UNCH
SEP17	----	----	2.50 UNCH	----	----	135	UNCH
OCT17	----	----	2.50 UNCH	----	----	155	UNCH
NOV17	----	----	0.70 UNCH	----	----	65	UNCH
DEC17	----	----	0.70 UNCH	----	----	65	UNCH
JAN18	----	----	0.70 UNCH	----	----	94	UNCH
FEB18	----	----	0.70 UNCH	----	----	94	UNCH
MAR18	----	----	0.70 UNCH	----	----	94	UNCH
APR18	----	----	0.70 UNCH	----	----	94	UNCH
MAY18	----	----	2.43 UNCH	----	----	84	UNCH
JUN18	----	----	2.43 UNCH	----	----	84	UNCH
JUL18	----	----	2.43 UNCH	----	----	84	UNCH
AUG18	----	----	2.43 UNCH	----	----	84	UNCH
SEP18	----	----	2.43 UNCH	----	----	84	UNCH
OCT18	----	----	2.43 UNCH	----	----	84	UNCH
NOV18	----	----	0.85 UNCH	----	----	44	UNCH
DEC18	----	----	0.85 UNCH	----	----	44	UNCH
JAN19	----	----	0.85 UNCH	----	----	15	UNCH
FEB19	----	----	0.85 UNCH	----	----	15	UNCH
MAR19	----	----	0.85 UNCH	----	----	15	UNCH
APR19	----	----	0.85 UNCH	----	----	15	UNCH
TOTAL NRS FUT						1583	
K4 FUT NYISO ZONE A 5MW D AH O PK							
AUG17	----	----	20.08 - 0.15	----	----	11280	UNCH
SEP17	----	----	16.80 - 0.40	----	----	12000	UNCH
OCT17	----	----	17.80 - 0.30	----	----	11760	UNCH
NOV17	----	----	18.03 - 0.35	----	----	11550	UNCH
DEC17	----	----	21.88 - 0.37	----	----	12720	UNCH
JAN18	----	----	31.46 - 0.56	----	----	5488	UNCH
FEB18	----	----	28.89 - 0.54	----	----	4928	UNCH
MAR18	----	----	23.35 - 0.05	----	----	5474	UNCH
APR18	----	----	17.25 UNCH	----	----	5376	UNCH
MAY18	----	----	16.15 UNCH	----	----	5488	UNCH
JUN18	----	----	16.15 UNCH	----	----	5376	UNCH
JUL18	----	----	22.24 UNCH	----	----	5712	UNCH
AUG18	----	----	20.56 UNCH	----	----	5264	UNCH
SEP18	----	----	16.75 UNCH	----	----	5824	UNCH
OCT18	----	----	16.65 UNCH	----	----	5264	UNCH
NOV18	----	----	19.55 UNCH	----	----	5390	UNCH
DEC18	----	----	22.65 UNCH	----	----	5936	UNCH
JAN19	----	----	31.74 - 0.66	----	----	784	UNCH
FEB19	----	----	29.76 - 0.64	----	----	704	UNCH
MAR19	----	----	22.00 - 0.40	----	----	814	UNCH
APR19	----	----	16.40 - 0.40	----	----	736	UNCH
MAY19	----	----	16.21 + 0.94	----	----	784	UNCH
JUN19	----	----	16.25 - 0.10	----	----	800	UNCH
JUL19	----	----	19.84 - 0.08	----	----	784	UNCH
AUG19	----	----	18.33 - 0.09	----	----	784	UNCH
SEP19	----	----	15.73 - 0.10	----	----	800	UNCH
OCT19	----	----	14.32 - 0.10	----	----	752	UNCH
NOV19	----	----	17.10 - 0.10	----	----	802	UNCH
DEC19	----	----	20.32 - 0.07	----	----	816	UNCH
TOTAL K4 FUT						134190	
K3 FUT NYISO ZONE A 5MW D AH PK							
AUG17	----	----	41.53 - 0.50	----	----	460	UNCH
SEP17	----	----	34.58 - 0.85	----	----	400	UNCH
OCT17	----	----	31.38 - 0.45	----	----	660	UNCH
NOV17	----	----	31.23 - 0.47	----	----	420	UNCH
DEC17	----	----	34.68 - 1.00	----	----	400	UNCH
JAN18	----	----	45.88 - 0.56	----	----	396	UNCH
FEB18	----	----	44.07 - 0.44	----	----	360	UNCH
MAR18	----	----	33.90 UNCH	----	----	396	UNCH
APR18	----	----	30.70 UNCH	----	----	378	UNCH
MAY18	----	----	33.25 UNCH	----	----	396	UNCH
JUN18	----	----	35.35 UNCH	----	----	378	UNCH
JUL18	----	----	44.84 - 0.18	----	----	378	UNCH



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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
K3 FUT NYISO ZONE A 5MW D AH PK							
AUG18	----	----	42.61 - 0.17	----	----	414	UNCH
SEP18	----	----	34.35 + 0.05	----	----	342	UNCH
OCT18	----	----	30.45 UNCH	----	----	414	UNCH
NOV18	----	----	29.90 UNCH	----	----	378	UNCH
DEC18	----	----	36.20 UNCH	----	----	360	UNCH
JAN19	----	----	44.34 - 0.93	----	----	264	UNCH
FEB19	----	----	42.16 - 0.87	----	----	240	UNCH
MAR19	----	----	31.35 - 0.25	----	----	252	UNCH
APR19	----	----	28.60 - 0.25	----	----	264	UNCH
MAY19	----	----	29.85 - 0.25	----	----	264	UNCH
JUN19	----	----	31.60 - 0.25	----	----	240	UNCH
JUL19	----	----	41.75 - 0.32	----	----	264	UNCH
AUG19	----	----	38.25 - 0.28	----	----	264	UNCH
SEP19	----	----	30.75 - 0.30	----	----	240	UNCH
OCT19	----	----	29.09 - 0.03	----	----	276	UNCH
NOV19	----	----	28.13 - 0.03	----	----	240	UNCH
DEC19	----	----	32.32 - 0.06	----	----	252	UNCH
TOTAL K3 FUT						9990	
ZAO FUT NYISO ZONE A DA OP DAILY							
15JUL17	----	----	31.57 UNCH	----	----	0	- 720
16JUL17	----	----	26.03 UNCH	----	----	0	- 720
17JUL17	----	----	18.07 UNCH	----	----	0	- 240
18JUL17	----	----	19.54 UNCH	----	----	240	UNCH
19JUL17	----	----	21.28 UNCH	----	----	240	UNCH
20JUL17	----	----	24.86 UNCH	----	----	240	UNCH
21JUL17	----	----	24.82 UNCH	----	----	240	UNCH
22JUL17	----	----	33.02 UNCH	----	----	720	UNCH
23JUL17	----	----	28.68 + 8.95	----	----	720	UNCH
24JUL17	----	----	18.79 - 0.94	----	----	240	UNCH
25JUL17	----	----	17.94 - 1.79	----	----	240	UNCH
26JUL17	----	----	19.73 UNCH	----	----	240	UNCH
27JUL17	----	----	19.73 UNCH	----	----	240	UNCH
28JUL17	----	----	19.73 UNCH	----	----	240	UNCH
29JUL17	----	----	19.73 UNCH	----	----	720	UNCH
30JUL17	----	----	19.73 UNCH	----	----	720	UNCH
31JUL17	----	----	19.73 UNCH	----	----	240	UNCH
TOTAL ZAO FUT						5280	- 1680
AN FUT NYISO ZONE A LBMP FUTURE							
07JUL17	----	----	35.71 UNCH	----	----	0	- 20
10JUL17	----	----	42.54 UNCH	----	----	20	UNCH
11JUL17	----	----	46.01 UNCH	----	----	20	UNCH
12JUL17	----	----	58.76 UNCH	----	----	20	UNCH
13JUL17	----	----	55.73 UNCH	----	----	20	UNCH
14JUL17	----	----	39.32 UNCH	----	----	20	UNCH
17JUL17	----	----	42.40 UNCH	----	----	20	UNCH
18JUL17	----	----	46.25 UNCH	----	----	20	UNCH
19JUL17	----	----	61.24 UNCH	----	----	20	UNCH
20JUL17	----	----	68.46 UNCH	----	----	20	UNCH
21JUL17	----	----	74.58 UNCH	----	----	20	UNCH
24JUL17	----	----	30.91 - 11.21	----	----	20	UNCH
25JUL17	----	----	31.70 - 10.42	----	----	20	UNCH
26JUL17	----	----	42.12 UNCH	----	----	20	UNCH
27JUL17	----	----	42.12 UNCH	----	----	20	UNCH
28JUL17	----	----	42.12 UNCH	----	----	20	UNCH
31JUL17	----	----	42.12 UNCH	----	----	20	UNCH
TOTAL AN FUT						320	- 20
58 FUT NYISO ZONE E 5MW DAY AHEAD OFF-PEAK							
JUL17	----	----	21.53 - 0.03	----	----	1696	UNCH
AUG17	----	----	22.39 - 0.33	----	----	1504	UNCH
SEP17	----	----	18.76 - 0.44	----	----	1600	UNCH
OCT17	----	----	18.89 - 0.30	----	----	1568	UNCH
NOV17	----	----	20.44 - 0.38	----	----	1540	UNCH
DEC17	----	----	29.49 - 0.40	----	----	1696	UNCH
TOTAL 58 FUT						9604	
55 FUT NYISO ZONE E 5MW DAY AHEAD PEAK							
JUL17	----	----	34.62 - 1.14	----	----	80	UNCH
AUG17	----	----	38.88 - 0.62	----	----	92	UNCH
SEP17	----	----	32.85 - 0.80	----	----	80	UNCH
OCT17	----	----	30.06 - 0.52	----	----	88	UNCH
NOV17	----	----	32.00 - 0.62	----	----	84	UNCH
DEC17	----	----	41.29 - 0.89	----	----	80	UNCH
TOTAL 55 FUT						504	
4M FUT NYISO ZONE F 5MW DAY AHEAD OFF-PEAK							
JAN18	----	----	63.03 - 0.66	----	----	5880	UNCH
FEB18	----	----	56.97 - 0.64	----	----	5280	UNCH
MAR18	----	----	38.70 - 0.50	----	----	5865	UNCH
APR18	----	----	24.21 - 0.34	----	----	5760	UNCH
MAY18	----	----	21.23 - 0.31	----	----	5880	UNCH
JUN18	----	----	21.48 - 0.46	----	----	5760	UNCH
JUL18	----	----	25.00 - 0.35	----	----	6120	UNCH
AUG18	----	----	22.47 - 0.33	----	----	5640	UNCH
SEP18	----	----	20.83 - 0.36	----	----	6240	UNCH
OCT18	----	----	20.09 - 0.20	----	----	5640	UNCH
NOV18	----	----	24.26 - 0.24	----	----	5775	UNCH
DEC18	----	----	39.73 - 0.40	----	----	6360	UNCH
TOTAL 4M FUT						70200	
4L FUT NYISO ZONE F 5MW DAY AHEAD PEAK							
JUL17	----	----	34.46 - 0.49	----	----	100	UNCH
AUG17	----	----	31.75 - 1.00	----	----	115	UNCH
JAN18	----	----	76.75 - 0.93	----	----	330	UNCH
FEB18	----	----	73.25 - 0.77	----	----	300	UNCH
MAR18	----	----	48.25 - 1.00	----	----	330	UNCH
APR18	----	----	32.19 - 0.47	----	----	315	UNCH
MAY18	----	----	27.46 - 0.42	----	----	330	UNCH
JUN18	----	----	30.72 - 0.47	----	----	315	UNCH
JUL18	----	----	37.33 - 0.67	----	----	315	UNCH
AUG18	----	----	35.04 - 0.67	----	----	345	UNCH
SEP18	----	----	29.04 - 0.37	----	----	285	UNCH
OCT18	----	----	27.51 - 0.42	----	----	345	UNCH
NOV18	----	----	33.77 - 0.42	----	----	315	UNCH
DEC18	----	----	50.90 - 0.58	----	----	300	UNCH

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ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
TOTAL 4L FUT							4040	
D2 FUT	NYISO ZONE G 5MW D AH O PK							
AUG17	----	----	24.70 - 0.50		----	----	15040	UNCH
SEP17	----	----	20.73 - 0.47		----	----	8400	UNCH
OCT17	----	----	19.98 - 0.30		----	----	8232	UNCH
NOV17	----	----	22.85 - 0.40		----	----	8085	UNCH
DEC17	----	----	37.10 - 0.43		----	----	8904	UNCH
JAN18	----	----	57.17 - 0.64		----	----	20384	UNCH
FEB18	----	----	51.68 - 0.61		----	----	18304	UNCH
MAR18	----	----	35.20 - 0.50		----	----	20332	UNCH
APR18	----	----	23.20 - 0.50		----	----	19968	UNCH
MAY18	----	----	20.60 - 0.25		----	----	20384	UNCH
JUN18	----	----	21.60 - 0.25		----	----	19968	UNCH
JUL18	----	----	26.14 - 0.26		----	----	21216	UNCH
AUG18	----	----	23.36 - 0.24		----	----	19552	UNCH
SEP18	----	----	20.75 - 0.10		----	----	21632	UNCH
OCT18	----	----	19.15 - 0.20		----	----	19552	UNCH
NOV18	----	----	23.75 - 0.35		----	----	20020	UNCH
DEC18	----	----	36.75 - 0.35		----	----	22048	UNCH
JAN19	----	----	54.35 - 0.90		----	----	25480	UNCH
FEB19	----	----	53.15 - 0.90		----	----	22880	UNCH
MAR19	----	----	34.60 - 0.15		----	----	18315	UNCH
APR19	----	----	23.60 - 0.10		----	----	16560	UNCH
MAY19	----	----	20.15 - 0.15		----	----	17640	UNCH
JUN19	----	----	21.25 - 0.15		----	----	18000	UNCH
JUL19	----	----	26.97 - 0.19		----	----	17640	UNCH
AUG19	----	----	24.03 - 0.21		----	----	17640	UNCH
SEP19	----	----	20.25 - 0.05		----	----	18000	UNCH
OCT19	----	----	19.30 - 0.08		----	----	16920	UNCH
NOV19	----	----	24.28 - 0.06		----	----	18045	UNCH
DEC19	----	----	34.43 UNCH		----	----	18360	UNCH
TOTAL D2 FUT							517501	
T3 FUT	NYISO ZONE G 5MW D AH PK							
AUG17	----	----	36.23 - 0.74		----	----	621	UNCH
SEP17	----	----	31.12 - 0.75		----	----	840	UNCH
OCT17	----	----	28.75 - 0.58		----	----	704	UNCH
NOV17	----	----	32.78 - 0.77		----	----	567	UNCH
DEC17	----	----	47.90 - 0.78		----	----	540	UNCH
JAN18	----	----	71.74 - 0.95		----	----	1584	UNCH
FEB18	----	----	68.46 - 0.80		----	----	1440	UNCH
MAR18	----	----	45.25 - 1.00		----	----	1364	UNCH
APR18	----	----	30.00 - 0.75		----	----	1302	UNCH
MAY18	----	----	29.00 - 0.35		----	----	1364	UNCH
JUN18	----	----	32.25 - 0.35		----	----	1302	UNCH
JUL18	----	----	40.18 - 0.37		----	----	1302	UNCH
AUG18	----	----	38.57 - 0.38		----	----	1426	UNCH
SEP18	----	----	30.75 - 0.45		----	----	1178	UNCH
OCT18	----	----	28.75 - 0.35		----	----	1426	UNCH
NOV18	----	----	32.35 - 0.50		----	----	1302	UNCH
DEC18	----	----	48.60 - 0.50		----	----	1240	UNCH
JAN19	----	----	70.78 - 1.29		----	----	220	UNCH
FEB19	----	----	67.72 - 1.21		----	----	200	UNCH
MAR19	----	----	45.25 - 0.25		----	----	525	UNCH
APR19	----	----	30.75 - 0.25		----	----	550	UNCH
MAY19	----	----	28.75 - 0.25		----	----	550	UNCH
JUN19	----	----	32.00 - 0.25		----	----	500	UNCH
JUL19	----	----	42.28 - 0.24		----	----	550	UNCH
AUG19	----	----	38.72 - 0.26		----	----	550	UNCH
SEP19	----	----	30.00 - 0.25		----	----	500	UNCH
OCT19	----	----	27.34 - 0.21		----	----	575	UNCH
NOV19	----	----	31.94 - 0.26		----	----	500	UNCH
DEC19	----	----	44.97 - 0.28		----	----	525	UNCH
TOTAL T3 FUT							25247	
ZGO FUT	NYISO ZONE G DA OP DAILY							
15JUL17	----	----	26.29 UNCH		----	----	0 - 960	
16JUL17	----	----	26.59 UNCH		----	----	0 - 960	
17JUL17	----	----	20.86 UNCH		----	----	0 - 320	
18JUL17	----	----	21.90 UNCH		----	----	320 UNCH	
19JUL17	----	----	24.52 UNCH		----	----	320 UNCH	
20JUL17	----	----	27.92 UNCH		----	----	320 UNCH	
21JUL17	----	----	27.98 UNCH		----	----	320 UNCH	
22JUL17	----	----	32.25 UNCH		----	----	960 UNCH	
23JUL17	----	----	27.65 + 1.87		----	----	960 UNCH	
24JUL17	----	----	21.61 - 4.17		----	----	320 UNCH	
25JUL17	----	----	20.09 - 5.69		----	----	320 UNCH	
26JUL17	----	----	25.78 UNCH		----	----	320 UNCH	
27JUL17	----	----	25.78 UNCH		----	----	320 UNCH	
28JUL17	----	----	25.78 UNCH		----	----	320 UNCH	
29JUL17	----	----	25.78 UNCH		----	----	960 UNCH	
30JUL17	----	----	25.78 UNCH		----	----	960 UNCH	
31JUL17	----	----	25.78 UNCH		----	----	320 UNCH	
TOTAL ZGO FUT							7040 - 2240	
D4 FUT	NYISO ZONE J 5MW D AH O PK							
AUG17	----	----	26.60 - 0.50		----	----	9400	UNCH
SEP17	----	----	21.98 - 0.39		----	----	2000	UNCH
OCT17	----	----	20.93 - 0.25		----	----	1960	UNCH
NOV17	----	----	23.98 - 0.17		----	----	1925	UNCH
DEC17	----	----	38.33 - 0.17		----	----	2120	UNCH
JAN18	----	----	59.66 - 0.33		----	----	9800	UNCH
FEB18	----	----	53.79 - 0.32		----	----	8800	UNCH
MAR18	----	----	37.35 - 0.50		----	----	9775	UNCH
APR18	----	----	25.10 - 0.50		----	----	9600	UNCH
MAY18	----	----	22.25 - 0.25		----	----	9800	UNCH
JUN18	----	----	23.50 - 0.25		----	----	9600	UNCH
JUL18	----	----	28.37 - 0.26		----	----	10200	UNCH
AUG18	----	----	26.13 - 0.24		----	----	9400	UNCH
SEP18	----	----	22.40 - 0.10		----	----	10400	UNCH
OCT18	----	----	20.35 - 0.20		----	----	9400	UNCH
NOV18	----	----	25.10 - 0.35		----	----	9625	UNCH
DEC18	----	----	38.40 - 0.35		----	----	10600	UNCH
JAN19	----	----	57.10 - 0.91		----	----	11760	UNCH
FEB19	----	----	55.40 - 0.89		----	----	10560	UNCH
MAR19	----	----	36.85 - 0.15		----	----	12210	UNCH
APR19	----	----	25.60 - 0.10		----	----	11040	UNCH
MAY19	----	----	21.90 - 0.15		----	----	11760	UNCH

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ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	NYISO ZONE J	5MW D	AH	O	PK	SETT. PRICE & PT. CHGE	GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST
D4 FUT									
JUN19	----	----	----	----	----	23.15 - 0.15	----	----	12000 UNCH
JUL19	----	----	----	----	----	29.66 - 0.20	----	----	11760 UNCH
AUG19	----	----	----	----	----	26.84 - 0.20	----	----	11760 UNCH
SEP19	----	----	----	----	----	21.90 - 0.05	----	----	12000 UNCH
OCT19	----	----	----	----	----	20.75 - 0.09	----	----	11280 UNCH
NOV19	----	----	----	----	----	25.55 - 0.06	----	----	12030 UNCH
DEC19	----	----	----	----	----	35.90 - 0.01	----	----	12240 UNCH
JAN20	----	----	----	----	----	59.69 - 0.22	----	----	1176 UNCH
FEB20	----	----	----	----	----	54.46 - 0.23	----	----	1128 UNCH
MAR20	----	----	----	----	----	37.75 - 0.18	----	----	1173 UNCH
APR20	----	----	----	----	----	25.09 - 0.18	----	----	1104 UNCH
MAY20	----	----	----	----	----	20.15 - 0.04	----	----	1272 UNCH
JUN20	----	----	----	----	----	21.13 - 0.05	----	----	1104 UNCH
JUL20	----	----	----	----	----	27.02 - 0.04	----	----	1128 UNCH
AUG20	----	----	----	----	----	24.90 - 0.04	----	----	1224 UNCH
SEP20	----	----	----	----	----	21.56 - 0.04	----	----	1152 UNCH
OCT20	----	----	----	----	----	21.79 - 0.05	----	----	1176 UNCH
NOV20	----	----	----	----	----	23.54 - 0.04	----	----	1203 UNCH
DEC20	----	----	----	----	----	34.93 - 0.08	----	----	1176 UNCH
TOTAL D4 FUT									288821
D3 FUT									
AUG17	----	----	----	----	----	41.85 - 0.73	----	----	1495 UNCH
SEP17	----	----	----	----	----	34.28 - 0.72	----	----	820 UNCH
OCT17	----	----	----	----	----	31.63 - 0.57	----	----	462 UNCH
NOV17	----	----	----	----	----	35.83 - 0.77	----	----	231 UNCH
DEC17	----	----	----	----	----	50.98 - 0.77	----	----	220 UNCH
JAN18	----	----	----	----	----	77.53 - 0.95	----	----	440 UNCH
FEB18	----	----	----	----	----	72.97 - 0.80	----	----	400 UNCH
MAR18	----	----	----	----	----	48.75 - 1.00	----	----	440 UNCH
APR18	----	----	----	----	----	33.00 - 0.75	----	----	420 UNCH
MAY18	----	----	----	----	----	33.25 - 0.35	----	----	440 UNCH
JUN18	----	----	----	----	----	36.25 - 0.35	----	----	420 UNCH
JUL18	----	----	----	----	----	45.87 - 0.37	----	----	420 UNCH
AUG18	----	----	----	----	----	43.73 - 0.38	----	----	460 UNCH
SEP18	----	----	----	----	----	34.00 - 0.45	----	----	380 UNCH
OCT18	----	----	----	----	----	31.50 - 0.35	----	----	460 UNCH
NOV18	----	----	----	----	----	34.95 - 0.50	----	----	420 UNCH
DEC18	----	----	----	----	----	52.10 - 0.50	----	----	400 UNCH
JAN19	----	----	----	----	----	75.82 - 1.29	----	----	660 UNCH
FEB19	----	----	----	----	----	73.18 - 1.21	----	----	600 UNCH
MAR19	----	----	----	----	----	48.75 - 0.25	----	----	630 UNCH
APR19	----	----	----	----	----	33.75 - 0.25	----	----	660 UNCH
MAY19	----	----	----	----	----	33.00 - 0.25	----	----	660 UNCH
JUN19	----	----	----	----	----	36.00 - 0.25	----	----	600 UNCH
JUL19	----	----	----	----	----	48.45 - 0.25	----	----	660 UNCH
AUG19	----	----	----	----	----	44.55 - 0.25	----	----	660 UNCH
SEP19	----	----	----	----	----	33.25 - 0.25	----	----	600 UNCH
OCT19	----	----	----	----	----	30.47 - 0.24	----	----	690 UNCH
NOV19	----	----	----	----	----	34.38 - 0.25	----	----	600 UNCH
DEC19	----	----	----	----	----	48.40 - 0.27	----	----	630 UNCH
JAN20	----	----	----	----	----	75.72 - 0.22	----	----	66 UNCH
FEB20	----	----	----	----	----	72.49 - 0.23	----	----	60 UNCH
MAR20	----	----	----	----	----	47.55 - 0.20	----	----	66 UNCH
APR20	----	----	----	----	----	33.99 - 0.19	----	----	66 UNCH
MAY20	----	----	----	----	----	33.09 - 0.20	----	----	60 UNCH
JUN20	----	----	----	----	----	34.43 - 0.20	----	----	66 UNCH
JUL20	----	----	----	----	----	47.30 - 0.21	----	----	69 UNCH
AUG20	----	----	----	----	----	43.33 - 0.21	----	----	63 UNCH
SEP20	----	----	----	----	----	33.24 - 0.20	----	----	63 UNCH
OCT20	----	----	----	----	----	31.75 - 0.10	----	----	66 UNCH
NOV20	----	----	----	----	----	35.62 - 0.10	----	----	60 UNCH
DEC20	----	----	----	----	----	49.09 - 0.05	----	----	66 UNCH
TOTAL D3 FUT									16749
ZJO FUT									
15JUL17	----	----	----	----	----	29.06 UNCH	----	----	0 - 600
16JUL17	----	----	----	----	----	28.37 UNCH	----	----	0 - 600
17JUL17	----	----	----	----	----	22.57 UNCH	----	----	0 - 200
18JUL17	----	----	----	----	----	23.03 UNCH	----	----	200 UNCH
19JUL17	----	----	----	----	----	25.76 UNCH	----	----	200 UNCH
20JUL17	----	----	----	----	----	30.69 UNCH	----	----	200 UNCH
21JUL17	----	----	----	----	----	30.20 UNCH	----	----	200 UNCH
22JUL17	----	----	----	----	----	37.66 UNCH	----	----	600 UNCH
23JUL17	----	----	----	----	----	31.10 + 3.32	----	----	600 UNCH
24JUL17	----	----	----	----	----	22.79 - 4.99	----	----	200 UNCH
25JUL17	----	----	----	----	----	20.48 - 7.30	----	----	200 UNCH
26JUL17	----	----	----	----	----	27.78 UNCH	----	----	200 UNCH
27JUL17	----	----	----	----	----	27.78 UNCH	----	----	200 UNCH
28JUL17	----	----	----	----	----	27.78 UNCH	----	----	200 UNCH
29JUL17	----	----	----	----	----	27.78 UNCH	----	----	600 UNCH
30JUL17	----	----	----	----	----	27.78 UNCH	----	----	600 UNCH
31JUL17	----	----	----	----	----	27.78 UNCH	----	----	200 UNCH
TOTAL ZJO FUT									4400 - 1400
OFD FUT									
14JUL17	----	----	----	----	----	-1.25 UNCH	----	----	0 - 80
15JUL17	----	----	----	----	----	3.87 UNCH	----	----	0 - 240
16JUL17	----	----	----	----	----	7.56 UNCH	----	----	0 - 240
17JUL17	----	----	----	----	----	5.73 UNCH	----	----	80 UNCH
18JUL17	----	----	----	----	----	9.30 UNCH	----	----	80 UNCH
19JUL17	----	----	----	----	----	5.60 UNCH	----	----	80 UNCH
20JUL17	----	----	----	----	----	5.08 UNCH	----	----	80 UNCH
21JUL17	----	----	----	----	----	11.83 + 4.17	----	----	80 UNCH
22JUL17	----	----	----	----	----	25.29 + 15.80	----	----	240 UNCH
23JUL17	----	----	----	----	----	17.46 + 7.97	----	----	240 UNCH
24JUL17	----	----	----	----	----	4.58 - 4.91	----	----	80 UNCH
25JUL17	----	----	----	----	----	9.49 UNCH	----	----	80 UNCH
26JUL17	----	----	----	----	----	9.49 UNCH	----	----	80 UNCH
27JUL17	----	----	----	----	----	9.49 UNCH	----	----	80 UNCH
28JUL17	----	----	----	----	----	9.49 UNCH	----	----	80 UNCH
29JUL17	----	----	----	----	----	9.49 UNCH	----	----	240 UNCH
30JUL17	----	----	----	----	----	9.49 UNCH	----	----	240 UNCH
31JUL17	----	----	----	----	----	9.49 UNCH	----	----	80 UNCH
TOTAL OFD FUT									1840 - 560
OFM FUT									
ONTARIO OFF-PK CAL-MO FUT									



FINAL

PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE		GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
OFM FUT	ONTARIO OFF-PK CAL-MO FUT							
AUG17	----	----	7.81 - 0.24		----	----	3760	UNCH
SEP17	----	----	6.81 - 0.63		----	----	4000	UNCH
OCT17	----	----	6.95 - 0.70		----	----	3920	UNCH
NOV17	----	----	8.57 - 0.65		----	----	3850	UNCH
DEC17	----	----	10.41 - 0.52		----	----	4240	UNCH
TOTAL OFM FUT							19770	
OPD FUT	ONTARIO PEAK CAL-DAY FUT							
14JUL17	----	----	9.64 UNCH		----	----	0	15
17JUL17	----	----	27.86 UNCH		----	----	5	UNCH
18JUL17	----	----	27.30 UNCH		----	----	5	UNCH
19JUL17	----	----	37.78 UNCH		----	----	5	UNCH
20JUL17	----	----	21.18 UNCH		----	----	5	UNCH
21JUL17	----	----	35.61 + 6.95		----	----	5	UNCH
24JUL17	----	----	12.10 - 11.50		----	----	10	UNCH
25JUL17	----	----	23.60 UNCH		----	----	10	UNCH
26JUL17	----	----	23.60 UNCH		----	----	10	UNCH
27JUL17	----	----	23.60 UNCH		----	----	10	UNCH
28JUL17	----	----	23.60 UNCH		----	----	10	UNCH
31JUL17	----	----	23.60 UNCH		----	----	5	UNCH
TOTAL OPD FUT							80	15
OPM FUT	ONTARIO PEAK CAL-MONTH FUT							
AUG17	----	----	24.52 - 0.37		----	----	115	UNCH
SEP17	----	----	18.61 - 0.18		----	----	100	UNCH
OCT17	----	----	17.03 - 0.57		----	----	110	UNCH
NOV17	----	----	19.28 - 0.07		----	----	105	UNCH
DEC17	----	----	24.46 + 0.41		----	----	100	UNCH
TOTAL OPM FUT							530	
V3 FUT	PJM AD HUB 5MW REAL TIME O PK							
AUG17	----	----	23.59 - 0.27		----	----	41736	UNCH
SEP17	----	----	22.80 - 0.28		----	----	44400	UNCH
OCT17	----	----	23.33 - 0.12		----	----	43512	UNCH
NOV17	----	----	23.90 - 0.38		----	----	42735	UNCH
DEC17	----	----	26.40 - 0.40		----	----	51304	UNCH
JAN18	----	----	34.36 - 0.72		----	----	12152	UNCH
FEB18	----	----	30.99 - 0.68		----	----	10912	UNCH
MAR18	----	----	28.40 - 0.23		----	----	12121	UNCH
APR18	----	----	24.60 - 0.17		----	----	11904	UNCH
MAY18	----	----	21.50 - 0.05		----	----	12152	UNCH
JUN18	----	----	21.60 - 0.05		----	----	11520	UNCH
JUL18	----	----	23.78 UNCH		----	----	12240	UNCH
AUG18	----	----	21.72 UNCH		----	----	11280	UNCH
SEP18	----	----	21.38 UNCH		----	----	12480	UNCH
OCT18	----	----	20.75 - 0.10		----	----	11280	UNCH
NOV18	----	----	21.20 - 0.09		----	----	11550	UNCH
DEC18	----	----	25.70 - 0.11		----	----	12720	UNCH
JAN19	----	----	34.11 - 0.31		----	----	13328	UNCH
FEB19	----	----	31.64 - 0.30		----	----	11968	UNCH
MAR19	----	----	26.88 - 0.30		----	----	13838	UNCH
APR19	----	----	22.08 - 0.24		----	----	12512	UNCH
MAY19	----	----	20.89 + 0.85		----	----	12544	UNCH
JUN19	----	----	20.79 - 0.24		----	----	8800	UNCH
JUL19	----	----	22.38 - 0.24		----	----	8624	UNCH
AUG19	----	----	20.05 - 0.24		----	----	8624	UNCH
SEP19	----	----	20.25 - 0.23		----	----	8800	UNCH
OCT19	----	----	18.42 - 0.23		----	----	8272	UNCH
NOV19	----	----	20.35 - 0.23		----	----	8822	UNCH
DEC19	----	----	25.35 - 0.24		----	----	8976	UNCH
JAN20	----	----	33.82 - 0.33		----	----	2744	UNCH
FEB20	----	----	32.26 - 0.32		----	----	2632	UNCH
MAR20	----	----	26.14 - 0.25		----	----	2737	UNCH
APR20	----	----	21.88 - 0.25		----	----	2576	UNCH
MAY20	----	----	19.48 - 0.09		----	----	2968	UNCH
JUN20	----	----	19.48 - 0.09		----	----	2576	UNCH
JUL20	----	----	22.81 - 0.10		----	----	2632	UNCH
AUG20	----	----	20.66 - 0.09		----	----	2856	UNCH
SEP20	----	----	19.38 - 0.10		----	----	2688	UNCH
OCT20	----	----	19.43 - 0.10		----	----	2744	UNCH
NOV20	----	----	20.31 - 0.10		----	----	2807	UNCH
DEC20	----	----	23.94 - 0.15		----	----	2744	UNCH
JAN21	----	----	32.82 - 0.31		----	----	848	UNCH
FEB21	----	----	31.34 - 0.30		----	----	704	UNCH
MAR21	----	----	26.64 - 0.25		----	----	750	UNCH
APR21	----	----	22.29 - 0.24		----	----	736	UNCH
MAY21	----	----	19.38 - 0.08		----	----	848	UNCH
JUN21	----	----	19.43 - 0.08		----	----	736	UNCH
JUL21	----	----	22.64 - 0.09		----	----	816	UNCH
AUG21	----	----	20.42 - 0.08		----	----	784	UNCH
SEP21	----	----	19.38 - 0.08		----	----	768	UNCH
OCT21	----	----	19.53 - 0.08		----	----	816	UNCH
NOV21	----	----	20.51 - 0.09		----	----	770	UNCH
DEC21	----	----	24.32 - 0.14		----	----	752	UNCH
JAN22	----	----	32.28 - 0.30		----	----	408	UNCH
FEB22	----	----	31.04 - 0.30		----	----	352	UNCH
MAR22	----	----	26.54 - 0.25		----	----	375	UNCH
APR22	----	----	21.95 - 0.23		----	----	384	UNCH
MAY22	----	----	19.13 - 0.08		----	----	408	UNCH
JUN22	----	----	19.13 - 0.08		----	----	368	UNCH
JUL22	----	----	22.54 - 0.14		----	----	424	UNCH
AUG22	----	----	20.46 - 0.09		----	----	376	UNCH
SEP22	----	----	19.13 - 0.08		----	----	384	UNCH
OCT22	----	----	19.38 - 0.08		----	----	408	UNCH
NOV22	----	----	20.51 - 0.09		----	----	385	UNCH
DEC22	----	----	24.17 - 0.14		----	----	408	UNCH
TOTAL V3 FUT							537818	
Z9 FUT	PJM AD HUB 5MW REAL TIME PK							
AUG17	----	----	34.33 - 0.73		----	----	1955	UNCH
SEP17	----	----	32.24 - 0.72		----	----	1800	UNCH
OCT17	----	----	32.15 - 0.63		----	----	1804	UNCH
NOV17	----	----	32.23 - 0.55		----	----	1722	UNCH
DEC17	----	----	34.10 - 0.63		----	----	1520	UNCH
JAN18	----	----	42.97 - 1.05		----	----	1012	UNCH
FEB18	----	----	39.23 - 0.90		----	----	920	UNCH
MAR18	----	----	35.94 - 0.33		----	----	1012	UNCH



FINAL

PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
Z9 FUT	PJM AD HUB 5MW REAL TIME PK					
APR18	----	----	31.61 - 0.32	----	----	966 UNCH
MAY18	----	----	31.93 - 0.20	----	----	1012 UNCH
JUN18	----	----	32.58 - 0.12	----	----	714 UNCH
JUL18	----	----	37.60 - 0.34	----	----	714 UNCH
AUG18	----	----	34.40 - 0.31	----	----	782 UNCH
SEP18	----	----	31.53 - 0.07	----	----	646 UNCH
OCT18	----	----	30.18 - 0.35	----	----	782 UNCH
NOV18	----	----	29.98 - 0.34	----	----	714 UNCH
DEC18	----	----	32.84 - 0.36	----	----	680 UNCH
JAN19	----	----	42.81 - 0.69	----	----	374 UNCH
FEB19	----	----	39.79 - 0.64	----	----	340 UNCH
MAR19	----	----	34.88 - 0.19	----	----	357 UNCH
APR19	----	----	30.56 - 0.20	----	----	374 UNCH
MAY19	----	----	30.96 - 0.14	----	----	374 UNCH
JUN19	----	----	30.86 - 0.19	----	----	240 UNCH
JUL19	----	----	35.67 - 0.44	----	----	264 UNCH
AUG19	----	----	32.15 - 0.39	----	----	264 UNCH
SEP19	----	----	30.56 - 0.20	----	----	240 UNCH
OCT19	----	----	28.28 - 0.14	----	----	276 UNCH
NOV19	----	----	27.98 - 0.15	----	----	240 UNCH
DEC19	----	----	28.97 - 0.20	----	----	252 UNCH
JAN20	----	----	41.72 - 0.37	----	----	484 UNCH
FEB20	----	----	40.22 - 0.37	----	----	440 UNCH
MAR20	----	----	33.77 - 0.29	----	----	484 UNCH
APR20	----	----	30.08 - 0.24	----	----	484 UNCH
MAY20	----	----	29.78 - 0.24	----	----	440 UNCH
JUN20	----	----	30.28 - 0.24	----	----	484 UNCH
JUL20	----	----	36.22 - 0.28	----	----	506 UNCH
AUG20	----	----	33.32 - 0.29	----	----	462 UNCH
SEP20	----	----	28.93 - 0.24	----	----	462 UNCH
OCT20	----	----	27.08 - 0.15	----	----	484 UNCH
NOV20	----	----	27.38 - 0.15	----	----	440 UNCH
DEC20	----	----	30.03 - 0.14	----	----	484 UNCH
JAN21	----	----	39.35 - 0.25	----	----	40 UNCH
FEB21	----	----	38.09 - 0.22	----	----	40 UNCH
MAR21	----	----	34.08 - 0.14	----	----	46 UNCH
APR21	----	----	29.97 - 0.11	----	----	44 UNCH
MAY21	----	----	30.17 - 0.11	----	----	40 UNCH
JUN21	----	----	30.98 - 0.14	----	----	44 UNCH
JUL21	----	----	37.99 - 0.17	----	----	42 UNCH
AUG21	----	----	34.94 - 0.17	----	----	44 UNCH
SEP21	----	----	28.82 - 0.11	----	----	42 UNCH
OCT21	----	----	27.72 - 0.11	----	----	42 UNCH
NOV21	----	----	28.02 - 0.11	----	----	42 UNCH
DEC21	----	----	29.57 - 0.16	----	----	46 UNCH
JAN22	----	----	42.90 - 0.20	----	----	21 UNCH
FEB22	----	----	38.79 - 0.22	----	----	20 UNCH
MAR22	----	----	34.68 - 0.14	----	----	23 UNCH
APR22	----	----	29.77 - 0.11	----	----	21 UNCH
MAY22	----	----	30.67 - 0.11	----	----	21 UNCH
JUN22	----	----	30.52 - 0.16	----	----	22 UNCH
JUL22	----	----	36.19 - 0.17	----	----	20 UNCH
AUG22	----	----	33.28 - 0.19	----	----	23 UNCH
SEP22	----	----	29.92 - 0.11	----	----	21 UNCH
OCT22	----	----	28.37 - 0.11	----	----	21 UNCH
NOV22	----	----	28.02 - 0.11	----	----	21 UNCH
DEC22	----	----	31.83 - 0.14	----	----	21 UNCH
TOTAL Z9 FUT						28771
PWO FUT	PJM AEP DAYTON HUB DA OP DAILY					
15JUL17	----	----	24.60 UNCH	----	----	0 - 600
16JUL17	----	----	23.82 UNCH	----	----	0 - 600
17JUL17	----	----	19.81 UNCH	----	----	0 - 200
18JUL17	----	----	20.78 UNCH	----	----	200 UNCH
19JUL17	----	----	22.38 UNCH	----	----	200 UNCH
20JUL17	----	----	24.39 UNCH	----	----	200 UNCH
21JUL17	----	----	24.55 UNCH	----	----	200 UNCH
22JUL17	----	----	33.38 UNCH	----	----	600 UNCH
23JUL17	----	----	30.72 + 3.41	----	----	600 UNCH
24JUL17	----	----	22.01 - 5.30	----	----	200 UNCH
25JUL17	----	----	19.75 - 7.56	----	----	200 UNCH
26JUL17	----	----	27.31 UNCH	----	----	200 UNCH
27JUL17	----	----	27.31 UNCH	----	----	200 UNCH
28JUL17	----	----	27.31 UNCH	----	----	200 UNCH
29JUL17	----	----	27.31 UNCH	----	----	600 UNCH
30JUL17	----	----	27.31 UNCH	----	----	600 UNCH
31JUL17	----	----	27.31 UNCH	----	----	200 UNCH
TOTAL PWO FUT						4400 - 1400
PAP FUT	PJM AEP DAYTON HUB DA PEAK DAILY					
17JUL17	----	----	33.29 UNCH	----	----	0 - 45
18JUL17	----	----	37.82 UNCH	----	----	45 UNCH
19JUL17	----	----	41.50 UNCH	----	----	45 UNCH
20JUL17	----	----	59.55 UNCH	----	----	45 UNCH
21JUL17	----	----	49.07 UNCH	----	----	45 UNCH
24JUL17	----	----	36.88 - 12.19	----	----	45 UNCH
25JUL17	----	----	31.70 - 1.55	----	----	45 UNCH
26JUL17	----	----	34.00 + 0.75	----	----	45 UNCH
27JUL17	----	----	34.00 + 0.75	----	----	45 UNCH
28JUL17	----	----	34.00 + 0.75	----	----	45 UNCH
31JUL17	----	----	32.00 - 2.50	----	----	45 UNCH
TOTAL PAP FUT						450 - 45
AOR FUT	PJM AEP DAYTON HUB RT OP DAILY					
14JUL17	----	----	21.46 UNCH	----	----	0 - 888
15JUL17	----	----	25.54 UNCH	----	----	0 - 2664
16JUL17	----	----	26.61 UNCH	----	----	0 - 2664
17JUL17	----	----	20.99 UNCH	----	----	888 UNCH
18JUL17	----	----	21.26 UNCH	----	----	888 UNCH
19JUL17	----	----	23.61 UNCH	----	----	888 UNCH
20JUL17	----	----	24.50 UNCH	----	----	888 UNCH
21JUL17	----	----	24.01 - 0.36	----	----	888 UNCH
22JUL17	----	----	30.92 + 6.55	----	----	2664 UNCH
23JUL17	----	----	28.61 + 4.24	----	----	2664 UNCH
24JUL17	----	----	24.37 UNCH	----	----	888 UNCH
25JUL17	----	----	24.37 UNCH	----	----	888 UNCH
26JUL17	----	----	24.37 UNCH	----	----	888 UNCH

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST
AOR FUT						
PJM AEP DAYTON HUB RT OP DAILY						
27JUL17	----	----	24.37 UNCH	----	----	888 UNCH
28JUL17	----	----	24.37 UNCH	----	----	888 UNCH
29JUL17	----	----	24.37 UNCH	----	----	2664 UNCH
30JUL17	----	----	24.37 UNCH	----	----	2664 UNCH
31JUL17	----	----	24.37 UNCH	----	----	888 UNCH
TOTAL AOR FUT						20424 - 6216
MOD FUT						
PJM ASTI ZONE PEAK DA MO						
JUL17	----	----	25.03 + 0.09	----	----	8480 UNCH
AUG17	----	----	25.01 - 0.28	----	----	7520 UNCH
SEP17	----	----	24.17 - 0.29	----	----	8000 UNCH
OCT17	----	----	24.73 - 0.13	----	----	7840 UNCH
NOV17	----	----	25.33 - 0.41	----	----	7700 UNCH
DEC17	----	----	27.98 - 0.43	----	----	8480 UNCH
JAN18	----	----	36.42 - 0.76	----	----	3920 UNCH
FEB18	----	----	32.85 - 0.72	----	----	3520 UNCH
MAR18	----	----	30.10 - 0.25	----	----	3910 UNCH
APR18	----	----	26.08 - 0.18	----	----	3840 UNCH
MAY18	----	----	22.79 - 0.05	----	----	3920 UNCH
TOTAL MOD FUT						67130
MPD FUT						
PJM ATSI ZONE MONTHLY DAILY						
JUL17	----	----	38.63 - 0.25	----	----	400 UNCH
AUG17	----	----	34.67 - 0.74	----	----	460 UNCH
SEP17	----	----	32.56 - 0.73	----	----	400 UNCH
OCT17	----	----	32.47 - 0.64	----	----	440 UNCH
NOV17	----	----	32.55 - 0.56	----	----	420 UNCH
DEC17	----	----	34.44 - 0.64	----	----	400 UNCH
JAN18	----	----	43.40 - 1.06	----	----	220 UNCH
FEB18	----	----	39.62 - 0.91	----	----	200 UNCH
MAR18	----	----	36.30 - 0.33	----	----	220 UNCH
APR18	----	----	31.93 - 0.32	----	----	210 UNCH
MAY18	----	----	32.25 - 0.20	----	----	220 UNCH
TOTAL MPD FUT						3590
R3 FUT						
PJM BGE DA OFF-PEAK						
JUL17	----	----	27.40 + 0.07	----	----	2120 UNCH
AUG17	----	----	26.55 - 0.26	----	----	1880 UNCH
SEP17	----	----	25.62 - 0.34	----	----	2000 UNCH
OCT17	----	----	25.12 - 0.05	----	----	1960 UNCH
NOV17	----	----	25.66 - 0.03	----	----	1925 UNCH
DEC17	----	----	29.45 - 0.14	----	----	2120 UNCH
JAN18	----	----	44.95 - 0.62	----	----	2744 UNCH
FEB18	----	----	43.03 - 0.60	----	----	2464 UNCH
MAR18	----	----	32.63 - 0.26	----	----	2737 UNCH
APR18	----	----	28.29 + 0.15	----	----	2688 UNCH
MAY18	----	----	25.18 - 0.04	----	----	2744 UNCH
JUN18	----	----	25.65 - 0.16	----	----	768 UNCH
JUL18	----	----	28.26 + 0.03	----	----	816 UNCH
AUG18	----	----	25.89 + 0.02	----	----	752 UNCH
SEP18	----	----	24.84 - 0.08	----	----	832 UNCH
OCT18	----	----	24.56 + 0.14	----	----	752 UNCH
NOV18	----	----	24.69 + 0.14	----	----	770 UNCH
DEC18	----	----	29.34 + 0.15	----	----	848 UNCH
TOTAL R3 FUT						30920
E3 FUT						
PJM BGE DA PEAK						
JUL17	----	----	42.80 - 0.30	----	----	100 UNCH
AUG17	----	----	39.34 - 0.83	----	----	115 UNCH
SEP17	----	----	37.35 - 0.50	----	----	100 UNCH
OCT17	----	----	32.34 - 0.57	----	----	110 UNCH
NOV17	----	----	32.50 - 0.51	----	----	105 UNCH
DEC17	----	----	36.17 - 0.69	----	----	100 UNCH
JAN18	----	----	53.57 - 1.04	----	----	154 UNCH
FEB18	----	----	51.02 - 0.90	----	----	140 UNCH
MAR18	----	----	39.35 - 0.47	----	----	154 UNCH
APR18	----	----	34.28 - 0.04	----	----	147 UNCH
MAY18	----	----	34.39 - 0.14	----	----	154 UNCH
JUN18	----	----	37.91 - 0.11	----	----	42 UNCH
JUL18	----	----	43.53 - 0.29	----	----	42 UNCH
AUG18	----	----	41.42 - 0.29	----	----	46 UNCH
SEP18	----	----	35.57 - 0.07	----	----	38 UNCH
OCT18	----	----	33.44 - 0.05	----	----	46 UNCH
NOV18	----	----	32.97 - 0.05	----	----	42 UNCH
DEC18	----	----	37.47 - 0.05	----	----	40 UNCH
TOTAL E3 FUT						1675
D9 FUT						
PJM COMED 5MW D AH O PK						
JUL17	----	----	23.09 + 0.22	----	----	2120 UNCH
AUG17	----	----	22.92 - 0.18	----	----	1880 UNCH
SEP17	----	----	20.52 - 0.31	----	----	2000 UNCH
OCT17	----	----	22.12 + 0.18	----	----	1960 UNCH
NOV17	----	----	22.41 - 0.01	----	----	1925 UNCH
DEC17	----	----	24.89 - 0.20	----	----	2120 UNCH
JAN18	----	----	31.92 - 0.51	----	----	1960 UNCH
FEB18	----	----	28.66 - 0.51	----	----	1760 UNCH
MAR18	----	----	25.57 - 0.19	----	----	1955 UNCH
APR18	----	----	22.84 + 0.13	----	----	1920 UNCH
MAY18	----	----	18.41 - 0.03	----	----	1960 UNCH
JUN18	----	----	18.48 - 0.16	----	----	1920 UNCH
JUL18	----	----	20.70 - 0.10	----	----	2040 UNCH
AUG18	----	----	20.36 - 0.12	----	----	1880 UNCH
SEP18	----	----	19.21 - 0.08	----	----	2080 UNCH
OCT18	----	----	18.67 + 0.13	----	----	1880 UNCH
NOV18	----	----	18.60 + 0.13	----	----	1925 UNCH
DEC18	----	----	23.39 + 0.13	----	----	2120 UNCH
TOTAL D9 FUT						35405
D8 FUT						
PJM COMED 5MW D AH PK						
JUL17	----	----	37.21 - 0.33	----	----	100 UNCH
AUG17	----	----	34.46 - 1.66	----	----	115 UNCH
SEP17	----	----	31.46 - 0.42	----	----	100 UNCH
OCT17	----	----	31.01 - 0.46	----	----	110 UNCH
NOV17	----	----	30.92 - 0.41	----	----	105 UNCH
DEC17	----	----	32.05 - 1.05	----	----	100 UNCH
JAN18	----	----	41.96 - 0.05	----	----	110 UNCH
FEB18	----	----	38.61 + 0.01	----	----	100 UNCH

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FINAL

PG61 BULLETIN #140@

ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
D8 FUT	PJM COMED 5MW D AH PK						
MAR18	----	----	33.07 - 0.57	----	----	110	UNCH
APR18	----	----	31.08 - 0.20	----	----	105	UNCH
MAY18	----	----	30.80 - 0.29	----	----	110	UNCH
JUN18	----	----	31.28 - 0.26	----	----	105	UNCH
JUL18	----	----	36.76 - 0.58	----	----	105	UNCH
AUG18	----	----	33.66 - 0.53	----	----	115	UNCH
SEP18	----	----	30.28 - 0.17	----	----	95	UNCH
OCT18	----	----	29.05 - 0.15	----	----	115	UNCH
NOV18	----	----	28.38 - 0.15	----	----	105	UNCH
DEC18	----	----	32.08 - 0.20	----	----	100	UNCH
TOTAL D8 FUT						1905	
JD FUT	PJM DAILY						
20JUL17	----	----	46.15 UNCH	----	----	0	473
21JUL17	----	----	43.40 - 3.60	----	----	473	UNCH
24JUL17	----	----	34.38 UNCH	----	----	473	UNCH
25JUL17	----	----	29.25 - 4.25	----	----	473	UNCH
26JUL17	----	----	31.50 - 2.00	----	----	473	UNCH
27JUL17	----	----	31.50 - 2.00	----	----	473	UNCH
28JUL17	----	----	31.50 - 2.00	----	----	473	UNCH
31JUL17	----	----	34.50 - 0.25	----	----	473	UNCH
TOTAL JD FUT						3311	473
R7 FUT	PJM DAYTON DA OFF-PEAK						
AUG17	----	----	23.59 - 0.27	----	----	9400	UNCH
SEP17	----	----	22.80 - 0.28	----	----	10000	UNCH
OCT17	----	----	23.33 - 0.12	----	----	9800	UNCH
NOV17	----	----	23.90 - 0.38	----	----	9625	UNCH
DEC17	----	----	26.40 - 0.40	----	----	10600	UNCH
JAN18	----	----	34.36 - 0.72	----	----	8232	UNCH
FEB18	----	----	30.99 - 0.68	----	----	7392	UNCH
MAR18	----	----	28.40 - 0.23	----	----	8211	UNCH
APR18	----	----	24.60 - 0.17	----	----	8064	UNCH
MAY18	----	----	21.50 - 0.05	----	----	8232	UNCH
JUN18	----	----	21.60 - 0.05	----	----	3072	UNCH
JUL18	----	----	23.78 UNCH	----	----	3264	UNCH
AUG18	----	----	21.72 UNCH	----	----	3008	UNCH
SEP18	----	----	21.38 UNCH	----	----	3328	UNCH
OCT18	----	----	20.75 - 0.10	----	----	3008	UNCH
NOV18	----	----	21.20 - 0.09	----	----	3080	UNCH
DEC18	----	----	25.70 - 0.11	----	----	3392	UNCH
JAN19	----	----	34.11 - 0.31	----	----	1960	UNCH
FEB19	----	----	31.64 - 0.30	----	----	1760	UNCH
MAR19	----	----	26.88 - 0.30	----	----	2035	UNCH
APR19	----	----	22.08 - 0.24	----	----	1840	UNCH
MAY19	----	----	20.89 + 0.85	----	----	1960	UNCH
JUN19	----	----	20.79 - 0.24	----	----	2000	UNCH
JUL19	----	----	22.38 - 0.24	----	----	1960	UNCH
AUG19	----	----	20.05 - 0.24	----	----	1960	UNCH
SEP19	----	----	20.25 - 0.23	----	----	2000	UNCH
OCT19	----	----	18.42 - 0.23	----	----	1880	UNCH
NOV19	----	----	20.35 - 0.23	----	----	2005	UNCH
DEC19	----	----	25.35 - 0.24	----	----	2040	UNCH
JAN20	----	----	33.82 - 0.33	----	----	3920	UNCH
FEB20	----	----	32.26 - 0.32	----	----	3760	UNCH
MAR20	----	----	26.14 - 0.25	----	----	3910	UNCH
APR20	----	----	21.88 - 0.25	----	----	3680	UNCH
MAY20	----	----	19.48 - 0.09	----	----	4240	UNCH
JUN20	----	----	19.48 - 0.09	----	----	3680	UNCH
JUL20	----	----	22.81 - 0.10	----	----	3760	UNCH
AUG20	----	----	20.66 - 0.09	----	----	4080	UNCH
SEP20	----	----	19.38 - 0.10	----	----	3840	UNCH
OCT20	----	----	19.43 - 0.10	----	----	3920	UNCH
NOV20	----	----	20.31 - 0.10	----	----	4010	UNCH
DEC20	----	----	23.94 - 0.15	----	----	3920	UNCH
TOTAL R7 FUT						181828	
D7 FUT	PJM DAYTON DA PEAK						
AUG17	----	----	34.43 - 0.73	----	----	1035	UNCH
SEP17	----	----	32.34 - 0.72	----	----	900	UNCH
OCT17	----	----	32.25 - 0.63	----	----	990	UNCH
NOV17	----	----	32.33 - 0.55	----	----	567	UNCH
DEC17	----	----	34.20 - 0.63	----	----	540	UNCH
JAN18	----	----	43.07 - 1.05	----	----	396	UNCH
FEB18	----	----	39.33 - 0.90	----	----	360	UNCH
MAR18	----	----	36.04 - 0.33	----	----	396	UNCH
APR18	----	----	31.71 - 0.32	----	----	378	UNCH
MAY18	----	----	32.03 - 0.20	----	----	396	UNCH
JUN18	----	----	32.68 - 0.12	----	----	525	UNCH
JUL18	----	----	37.70 - 0.34	----	----	525	UNCH
AUG18	----	----	34.50 - 0.31	----	----	575	UNCH
SEP18	----	----	31.63 - 0.07	----	----	475	UNCH
OCT18	----	----	30.28 - 0.35	----	----	575	UNCH
NOV18	----	----	30.08 - 0.34	----	----	525	UNCH
DEC18	----	----	32.94 - 0.36	----	----	500	UNCH
JAN19	----	----	42.91 - 0.69	----	----	220	UNCH
FEB19	----	----	39.89 - 0.64	----	----	200	UNCH
MAR19	----	----	34.98 - 0.19	----	----	210	UNCH
APR19	----	----	30.66 - 0.20	----	----	220	UNCH
MAY19	----	----	31.06 - 0.14	----	----	220	UNCH
JUN19	----	----	30.96 - 0.19	----	----	200	UNCH
JUL19	----	----	35.77 - 0.44	----	----	220	UNCH
AUG19	----	----	32.25 - 0.39	----	----	220	UNCH
SEP19	----	----	30.66 - 0.20	----	----	200	UNCH
OCT19	----	----	28.38 - 0.14	----	----	230	UNCH
NOV19	----	----	28.08 - 0.15	----	----	200	UNCH
DEC19	----	----	29.07 - 0.20	----	----	210	UNCH
JAN20	----	----	41.82 - 0.37	----	----	220	UNCH
FEB20	----	----	40.32 - 0.37	----	----	200	UNCH
MAR20	----	----	33.87 - 0.29	----	----	220	UNCH
APR20	----	----	30.18 - 0.24	----	----	220	UNCH
MAY20	----	----	29.88 - 0.24	----	----	200	UNCH
JUN20	----	----	30.38 - 0.24	----	----	220	UNCH
JUL20	----	----	36.32 - 0.28	----	----	230	UNCH
AUG20	----	----	33.42 - 0.29	----	----	210	UNCH
SEP20	----	----	29.03 - 0.24	----	----	210	UNCH
OCT20	----	----	27.18 - 0.15	----	----	220	UNCH

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ENERGY FUTURES PRODUCTS

Mon, Jul 24, 2017 PG61

	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
D7 FUT	PJM DAYTON DA PEAK						
NOV20	----	----	27.48 - 0.15	----	----	200	UNCH
DEC20	----	----	30.13 - 0.14	----	----	220	UNCH
TOTAL D7 FUT						14778	
46 FUT	PJM METED ZONE OFFPK CAL LMP						
JUL17	----	----	24.06 + 0.04	----	----	2120	UNCH
AUG17	----	----	24.13 - 0.26	----	----	1880	UNCH
SEP17	----	----	20.37 - 0.31	----	----	2000	UNCH
OCT17	----	----	22.07 - 0.02	----	----	1960	UNCH
NOV17	----	----	23.49 - 0.02	----	----	1925	UNCH
DEC17	----	----	29.60 - 0.14	----	----	2120	UNCH
JAN18	----	----	44.51 - 0.62	----	----	784	UNCH
FEB18	----	----	40.43 - 0.59	----	----	704	UNCH
MAR18	----	----	28.48 - 0.22	----	----	782	UNCH
APR18	----	----	23.24 + 0.13	----	----	768	UNCH
MAY18	----	----	19.60 - 0.04	----	----	784	UNCH
JUN18	----	----	19.87 - 0.16	----	----	768	UNCH
JUL18	----	----	23.02 + 0.04	----	----	816	UNCH
AUG18	----	----	20.85 + 0.03	----	----	752	UNCH
SEP18	----	----	19.26 - 0.08	----	----	832	UNCH
OCT18	----	----	19.12 + 0.13	----	----	752	UNCH
NOV18	----	----	19.65 + 0.14	----	----	770	UNCH
DEC18	----	----	24.94 + 0.13	----	----	848	UNCH
JAN19	----	----	39.55 - 0.15	----	----	784	UNCH
FEB19	----	----	37.96 - 0.15	----	----	704	UNCH
MAR19	----	----	24.45 - 0.32	----	----	814	UNCH
APR19	----	----	19.45 - 0.23	----	----	736	UNCH
MAY19	----	----	17.95 + 0.88	----	----	784	UNCH
JUN19	----	----	17.77 - 0.20	----	----	800	UNCH
JUL19	----	----	20.62 - 0.19	----	----	784	UNCH
AUG19	----	----	18.93 - 0.20	----	----	784	UNCH
SEP19	----	----	17.12 - 0.20	----	----	800	UNCH
OCT19	----	----	16.40 - 0.22	----	----	752	UNCH
NOV19	----	----	17.69 - 0.22	----	----	802	UNCH
DEC19	----	----	21.67 - 0.21	----	----	816	UNCH
JAN20	----	----	40.12 - 0.18	----	----	784	UNCH
FEB20	----	----	38.72 - 0.18	----	----	752	UNCH
MAR20	----	----	23.40 - 0.12	----	----	782	UNCH
APR20	----	----	18.96 - 0.14	----	----	736	UNCH
MAY20	----	----	16.58 + 0.01	----	----	848	UNCH
JUN20	----	----	17.32 UNCH	----	----	736	UNCH
JUL20	----	----	21.97 + 0.14	----	----	752	UNCH
AUG20	----	----	20.03 + 0.14	----	----	816	UNCH
SEP20	----	----	16.83 + 0.01	----	----	768	UNCH
OCT20	----	----	17.53 - 0.01	----	----	784	UNCH
NOV20	----	----	18.37 - 0.02	----	----	802	UNCH
DEC20	----	----	21.66 - 0.08	----	----	784	UNCH
TOTAL 46 FUT						40069	
47 FUT	PJM METED ZONE PEAK CAL LMP						
JUL17	----	----	40.48 - 0.40	----	----	100	UNCH
AUG17	----	----	34.40 - 0.83	----	----	115	UNCH
SEP17	----	----	29.15 - 0.46	----	----	100	UNCH
OCT17	----	----	29.15 - 0.53	----	----	110	UNCH
NOV17	----	----	29.60 - 0.49	----	----	105	UNCH
DEC17	----	----	36.12 - 0.69	----	----	100	UNCH
JAN18	----	----	54.40 - 1.05	----	----	44	UNCH
FEB18	----	----	51.12 - 0.90	----	----	40	UNCH
MAR18	----	----	35.15 - 0.43	----	----	44	UNCH
APR18	----	----	28.83 - 0.06	----	----	42	UNCH
MAY18	----	----	28.91 - 0.14	----	----	44	UNCH
JUN18	----	----	29.74 - 0.11	----	----	42	UNCH
JUL18	----	----	36.81 - 0.28	----	----	42	UNCH
AUG18	----	----	35.09 - 0.28	----	----	46	UNCH
SEP18	----	----	27.99 - 0.07	----	----	38	UNCH
OCT18	----	----	26.61 - 0.05	----	----	46	UNCH
NOV18	----	----	27.13 - 0.06	----	----	42	UNCH
DEC18	----	----	32.98 - 0.05	----	----	40	UNCH
JAN19	----	----	49.52 - 0.56	----	----	44	UNCH
FEB19	----	----	46.71 - 0.52	----	----	40	UNCH
MAR19	----	----	31.81 - 0.37	----	----	42	UNCH
APR19	----	----	26.27 - 0.31	----	----	44	UNCH
MAY19	----	----	25.52 - 0.26	----	----	44	UNCH
JUN19	----	----	26.61 - 0.32	----	----	40	UNCH
JUL19	----	----	34.63 - 0.38	----	----	44	UNCH
AUG19	----	----	32.20 - 0.34	----	----	44	UNCH
SEP19	----	----	25.47 - 0.31	----	----	40	UNCH
OCT19	----	----	23.30 - 0.18	----	----	46	UNCH
NOV19	----	----	23.94 - 0.19	----	----	40	UNCH
DEC19	----	----	29.46 - 0.24	----	----	42	UNCH
JAN20	----	----	49.49 - 0.41	----	----	44	UNCH
FEB20	----	----	46.69 - 0.42	----	----	40	UNCH
MAR20	----	----	30.29 - 0.29	----	----	44	UNCH
APR20	----	----	26.04 - 0.27	----	----	44	UNCH
MAY20	----	----	24.91 - 0.25	----	----	40	UNCH
JUN20	----	----	26.44 - 0.26	----	----	44	UNCH
JUL20	----	----	34.71 - 0.29	----	----	46	UNCH
AUG20	----	----	32.51 - 0.30	----	----	42	UNCH
SEP20	----	----	25.50 - 0.25	----	----	42	UNCH
OCT20	----	----	23.64 - 0.17	----	----	44	UNCH
NOV20	----	----	24.38 - 0.17	----	----	40	UNCH
DEC20	----	----	28.12 - 0.17	----	----	44	UNCH
TOTAL 47 FUT						2164	
JM FUT	PJM MONTHLY						
JUL17	----	----	31.65 - 2.20	----	----	182	UNCH
AUG17	----	----	34.00 - 0.83	----	----	182	UNCH
SEP17	----	----	31.95 - 0.62	----	----	182	UNCH
OCT17	----	----	31.80 - 0.56	----	----	242	UNCH
NOV17	----	----	31.86 - 0.51	----	----	182	UNCH
DEC17	----	----	35.09 - 0.68	----	----	236	UNCH
JAN18	----	----	47.74 - 0.99	----	----	30	UNCH
FEB18	----	----	44.45 - 0.86	----	----	30	UNCH
MAR18	----	----	36.58 - 0.45	----	----	30	UNCH
APR18	----	----	31.88 - 0.05	----	----	30	UNCH
MAY18	----	----	31.90 - 0.14	----	----	30	UNCH
JUN18	----	----	32.38 - 0.11	----	----	30	UNCH

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ENERGY FUTURES PRODUCTS

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
JM FUT	PJM MONTHLY						
JUL18	----	----	36.76 - 0.43	----	----	110	UNCH
AUG18	----	----	34.45 - 0.38	----	----	110	UNCH
SEP18	----	----	31.33 - 0.07	----	----	190	UNCH
OCT18	----	----	30.30 - 0.05	----	----	70	UNCH
NOV18	----	----	29.88 - 0.05	----	----	70	UNCH
DEC18	----	----	33.18 - 0.05	----	----	70	UNCH
JAN19	----	----	46.61 - 0.57	----	----	40	UNCH
FEB19	----	----	43.89 - 0.53	----	----	40	UNCH
MAR19	----	----	34.73 - 0.40	----	----	40	UNCH
APR19	----	----	30.17 - 0.37	----	----	40	UNCH
MAY19	----	----	29.92 - 0.32	----	----	40	UNCH
JUN19	----	----	30.61 - 0.38	----	----	40	UNCH
JUL19	----	----	36.71 - 0.37	----	----	40	UNCH
AUG19	----	----	33.59 - 0.33	----	----	40	UNCH
SEP19	----	----	29.37 - 0.37	----	----	40	UNCH
OCT19	----	----	27.52 - 0.19	----	----	40	UNCH
NOV19	----	----	27.27 - 0.19	----	----	40	UNCH
DEC19	----	----	30.70 - 0.24	----	----	40	UNCH
TOTAL JM FUT						2486	
B6 FUT	PJM NI HUB 5MW REAL TIME O PK						
AUG17	----	----	22.14 - 0.30	----	----	86856	UNCH
SEP17	----	----	20.90 - 0.25	----	----	96800	UNCH
OCT17	----	----	21.13 - 0.12	----	----	102704	UNCH
NOV17	----	----	21.70 - 0.38	----	----	100870	UNCH
DEC17	----	----	23.90 - 0.40	----	----	75048	UNCH
JAN18	----	----	29.94 - 0.73	----	----	44688	UNCH
FEB18	----	----	29.41 - 0.67	----	----	40128	UNCH
MAR18	----	----	26.73 - 0.21	----	----	48484	UNCH
APR18	----	----	21.87 - 0.19	----	----	47616	UNCH
MAY18	----	----	19.58 - 0.05	----	----	44688	UNCH
JUN18	----	----	19.68 - 0.05	----	----	51456	UNCH
JUL18	----	----	21.93 + 0.03	----	----	54672	UNCH
AUG18	----	----	19.42 - 0.03	----	----	50384	UNCH
SEP18	----	----	19.38 UNCH	----	----	55744	UNCH
OCT18	----	----	18.88 - 0.07	----	----	50384	UNCH
NOV18	----	----	19.53 - 0.08	----	----	51590	UNCH
DEC18	----	----	22.12 - 0.14	----	----	56816	UNCH
JAN19	----	----	31.96 - 0.25	----	----	7448	UNCH
FEB19	----	----	29.78 - 0.21	----	----	6688	UNCH
MAR19	----	----	24.39 - 0.17	----	----	7733	UNCH
APR19	----	----	20.09 - 0.13	----	----	6992	UNCH
MAY19	----	----	17.71 - 0.15	----	----	7448	UNCH
JUN19	----	----	19.05 - 0.14	----	----	7600	UNCH
JUL19	----	----	20.63 - 0.14	----	----	7448	UNCH
AUG19	----	----	19.10 - 0.14	----	----	7448	UNCH
SEP19	----	----	18.16 - 0.14	----	----	7600	UNCH
OCT19	----	----	16.67 - 0.15	----	----	7144	UNCH
NOV19	----	----	18.55 - 0.14	----	----	7619	UNCH
DEC19	----	----	21.92 - 0.18	----	----	7752	UNCH
TOTAL B6 FUT						1147848	
B3 FUT	PJM NI HUB 5MW REAL TIME PK						
AUG17	----	----	33.46 - 0.74	----	----	3611	UNCH
SEP17	----	----	31.21 - 0.68	----	----	2940	UNCH
OCT17	----	----	30.65 - 0.58	----	----	2860	UNCH
NOV17	----	----	30.70 - 0.55	----	----	2730	UNCH
DEC17	----	----	32.00 - 0.63	----	----	2600	UNCH
JAN18	----	----	40.20 - 1.06	----	----	2618	UNCH
FEB18	----	----	36.75 - 0.89	----	----	2380	UNCH
MAR18	----	----	33.14 - 0.32	----	----	2838	UNCH
APR18	----	----	30.16 - 0.33	----	----	2709	UNCH
MAY18	----	----	30.18 - 0.20	----	----	2838	UNCH
JUN18	----	----	30.83 - 0.12	----	----	1869	UNCH
JUL18	----	----	35.98 - 0.34	----	----	1869	UNCH
AUG18	----	----	33.27 - 0.31	----	----	2047	UNCH
SEP18	----	----	29.90 - 0.08	----	----	1691	UNCH
OCT18	----	----	28.63 - 0.33	----	----	2047	UNCH
NOV18	----	----	28.33 - 0.33	----	----	1869	UNCH
DEC18	----	----	31.10 - 0.38	----	----	1780	UNCH
JAN19	----	----	39.07 - 0.69	----	----	308	UNCH
FEB19	----	----	37.31 - 0.64	----	----	280	UNCH
MAR19	----	----	32.71 - 0.20	----	----	294	UNCH
APR19	----	----	29.83 - 0.20	----	----	308	UNCH
MAY19	----	----	30.02 - 0.15	----	----	308	UNCH
JUN19	----	----	29.39 - 0.20	----	----	580	UNCH
JUL19	----	----	34.23 - 0.44	----	----	638	UNCH
AUG19	----	----	31.20 - 0.39	----	----	638	UNCH
SEP19	----	----	28.65 - 0.20	----	----	580	UNCH
OCT19	----	----	26.50 - 0.15	----	----	322	UNCH
NOV19	----	----	26.06 - 0.15	----	----	280	UNCH
DEC19	----	----	27.77 - 0.20	----	----	294	UNCH
TOTAL B3 FUT						46126	
L3 FUT	PJM NILL DA OFF-PEAK						
AUG17	----	----	22.19 - 0.30	----	----	102272	UNCH
SEP17	----	----	20.95 - 0.25	----	----	109200	UNCH
OCT17	----	----	21.18 - 0.12	----	----	117208	UNCH
NOV17	----	----	21.75 - 0.38	----	----	113575	UNCH
DEC17	----	----	23.95 - 0.40	----	----	125080	UNCH
JAN18	----	----	29.99 - 0.73	----	----	52528	UNCH
FEB18	----	----	29.46 - 0.67	----	----	47168	UNCH
MAR18	----	----	26.78 - 0.21	----	----	53176	UNCH
APR18	----	----	21.92 - 0.19	----	----	51840	UNCH
MAY18	----	----	19.63 - 0.05	----	----	53704	UNCH
JUN18	----	----	19.73 - 0.05	----	----	18048	UNCH
JUL18	----	----	21.98 + 0.03	----	----	19176	UNCH
AUG18	----	----	19.47 - 0.03	----	----	17672	UNCH
SEP18	----	----	19.43 UNCH	----	----	19968	UNCH
OCT18	----	----	18.93 - 0.07	----	----	17672	UNCH
NOV18	----	----	19.58 - 0.08	----	----	17710	UNCH
DEC18	----	----	22.17 - 0.14	----	----	19504	UNCH
JAN19	----	----	32.01 - 0.25	----	----	13328	UNCH
FEB19	----	----	29.83 - 0.21	----	----	11968	UNCH
MAR19	----	----	24.44 - 0.17	----	----	13838	UNCH
APR19	----	----	20.14 - 0.13	----	----	12512	UNCH
MAY19	----	----	17.76 - 0.15	----	----	13328	UNCH

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L3 FUT	PJM NILL DA OFF-PEAK						
JUN19	----	----	19.10 - 0.14	----	----	13600	UNCH
JUL19	----	----	20.68 - 0.14	----	----	13328	UNCH
AUG19	----	----	19.15 - 0.14	----	----	13328	UNCH
SEP19	----	----	18.21 - 0.14	----	----	13600	UNCH
OCT19	----	----	16.72 - 0.15	----	----	12784	UNCH
NOV19	----	----	18.60 - 0.14	----	----	13634	UNCH
DEC19	----	----	21.97 - 0.18	----	----	13872	UNCH
TOTAL L3 FUT						1114621	
N3 FUT	PJM NILL DA PEAK						
AUG17	----	----	33.46 - 0.74	----	----	5060	UNCH
SEP17	----	----	31.21 - 0.68	----	----	4400	UNCH
OCT17	----	----	30.65 - 0.58	----	----	4862	UNCH
NOV17	----	----	30.70 - 0.55	----	----	4599	UNCH
DEC17	----	----	32.00 - 0.63	----	----	4380	UNCH
JAN18	----	----	40.20 - 1.06	----	----	2398	UNCH
FEB18	----	----	36.75 - 0.89	----	----	2180	UNCH
MAR18	----	----	33.14 - 0.32	----	----	2398	UNCH
APR18	----	----	30.16 - 0.33	----	----	2289	UNCH
MAY18	----	----	30.18 - 0.20	----	----	2398	UNCH
JUN18	----	----	30.83 - 0.12	----	----	1197	UNCH
JUL18	----	----	35.98 - 0.34	----	----	1155	UNCH
AUG18	----	----	33.27 - 0.31	----	----	1265	UNCH
SEP18	----	----	29.90 - 0.08	----	----	1026	UNCH
OCT18	----	----	28.63 - 0.33	----	----	1265	UNCH
NOV18	----	----	28.33 - 0.33	----	----	1155	UNCH
DEC18	----	----	31.10 - 0.38	----	----	1100	UNCH
JAN19	----	----	39.07 - 0.69	----	----	858	UNCH
FEB19	----	----	37.31 - 0.64	----	----	780	UNCH
MAR19	----	----	32.71 - 0.20	----	----	819	UNCH
APR19	----	----	29.83 - 0.20	----	----	858	UNCH
MAY19	----	----	30.02 - 0.15	----	----	858	UNCH
JUN19	----	----	29.39 - 0.20	----	----	780	UNCH
JUL19	----	----	34.23 - 0.44	----	----	858	UNCH
AUG19	----	----	31.20 - 0.39	----	----	858	UNCH
SEP19	----	----	28.65 - 0.20	----	----	780	UNCH
OCT19	----	----	26.50 - 0.15	----	----	897	UNCH
NOV19	----	----	26.06 - 0.15	----	----	780	UNCH
DEC19	----	----	27.77 - 0.20	----	----	819	UNCH
TOTAL N3 FUT						53072	
PNO FUT	PJM NORTERN ILL HUB DA OP DAILY						
15JUL17	----	----	24.34 UNCH	----	----	0 - 6528	
16JUL17	----	----	23.52 UNCH	----	----	0 - 6528	
17JUL17	----	----	19.28 UNCH	----	----	0 - 2176	
18JUL17	----	----	19.80 UNCH	----	----	2176 UNCH	
19JUL17	----	----	21.03 UNCH	----	----	2176 UNCH	
20JUL17	----	----	19.36 UNCH	----	----	2176 UNCH	
21JUL17	----	----	20.98 UNCH	----	----	2176 UNCH	
22JUL17	----	----	31.61 UNCH	----	----	6528 UNCH	
23JUL17	----	----	30.10 + 6.87	----	----	6528 UNCH	
24JUL17	----	----	19.50 - 3.73	----	----	2176 UNCH	
25JUL17	----	----	19.09 - 4.14	----	----	2176 UNCH	
26JUL17	----	----	23.23 UNCH	----	----	2176 UNCH	
27JUL17	----	----	23.23 UNCH	----	----	2176 UNCH	
28JUL17	----	----	23.23 UNCH	----	----	2176 UNCH	
29JUL17	----	----	23.23 UNCH	----	----	6528 UNCH	
30JUL17	----	----	23.23 UNCH	----	----	6528 UNCH	
31JUL17	----	----	23.23 UNCH	----	----	2176 UNCH	
TOTAL PNO FUT						47872 - 15232	
PNP FUT	PJM NORTERN ILL HUB DA PEAK DAILY						
17JUL17	----	----	32.74 UNCH	----	----	0 - 219	
18JUL17	----	----	37.59 UNCH	----	----	219 UNCH	
19JUL17	----	----	40.77 UNCH	----	----	219 UNCH	
20JUL17	----	----	58.27 UNCH	----	----	219 UNCH	
21JUL17	----	----	43.40 UNCH	----	----	219 UNCH	
24JUL17	----	----	35.52 - 7.88	----	----	219 UNCH	
25JUL17	----	----	31.15 - 1.35	----	----	219 UNCH	
26JUL17	----	----	32.50 UNCH	----	----	219 UNCH	
27JUL17	----	----	32.50 UNCH	----	----	219 UNCH	
28JUL17	----	----	32.50 UNCH	----	----	219 UNCH	
31JUL17	----	----	33.50 + 1.00	----	----	219 UNCH	
TOTAL PNP FUT						2190 - 219	
NOC FUT	PJM NORTERN ILL HUB RT OP DAILY						
14JUL17	----	----	20.72 UNCH	----	----	0 - 1848	
15JUL17	----	----	25.06 UNCH	----	----	0 - 5544	
16JUL17	----	----	24.79 UNCH	----	----	0 - 5544	
17JUL17	----	----	19.06 UNCH	----	----	1848 UNCH	
18JUL17	----	----	20.55 UNCH	----	----	1848 UNCH	
19JUL17	----	----	22.55 UNCH	----	----	1848 UNCH	
20JUL17	----	----	19.32 UNCH	----	----	1848 UNCH	
21JUL17	----	----	23.25 + 0.43	----	----	1848 UNCH	
22JUL17	----	----	30.69 + 7.87	----	----	5544 UNCH	
23JUL17	----	----	28.27 + 5.45	----	----	5544 UNCH	
24JUL17	----	----	22.82 UNCH	----	----	1848 UNCH	
25JUL17	----	----	22.82 UNCH	----	----	1848 UNCH	
26JUL17	----	----	22.82 UNCH	----	----	1848 UNCH	
27JUL17	----	----	22.82 UNCH	----	----	1848 UNCH	
28JUL17	----	----	22.82 UNCH	----	----	1848 UNCH	
29JUL17	----	----	22.82 UNCH	----	----	5544 UNCH	
30JUL17	----	----	22.82 UNCH	----	----	5544 UNCH	
31JUL17	----	----	22.82 UNCH	----	----	1848 UNCH	
TOTAL NOC FUT						42504 - 12936	
JP FUT	PJM OFF-PEAK LMP FUTURE						
JUL17	----	----	25.06 + 0.44	----	----	42 UNCH	
AUG17	----	----	23.32 - 0.26	----	----	42 UNCH	
SEP17	----	----	22.50 - 0.24	----	----	42 UNCH	
OCT17	----	----	22.93 - 0.28	----	----	42 UNCH	
NOV17	----	----	23.68 - 0.46	----	----	42 UNCH	
DEC17	----	----	27.05 - 0.25	----	----	42 UNCH	
JAN18	----	----	38.61 - 0.83	----	----	42 UNCH	
FEB18	----	----	35.64 - 0.78	----	----	42 UNCH	
MAR18	----	----	29.06 - 0.24	----	----	42 UNCH	
APR18	----	----	24.44 - 0.16	----	----	42 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	
JP FUT PJM OFF-PEAK LMP FUTURE							
MAY18	----	----	21.55 - 0.05	----	----	42	UNCH
JUN18	----	----	21.55 - 0.05	----	----	42	UNCH
JUL18	----	----	23.72 - 0.05	----	----	42	UNCH
AUG18	----	----	21.43 - 0.05	----	----	42	UNCH
SEP18	----	----	21.30 - 0.03	----	----	40	UNCH
OCT18	----	----	21.05 - 0.10	----	----	40	UNCH
NOV18	----	----	21.30 - 0.10	----	----	40	UNCH
DEC18	----	----	24.99 - 0.12	----	----	40	UNCH
TOTAL JP FUT						748	
W6 FUT PJM PSEG DA OFF-PEAK							
JUL17	----	----	23.99 + 0.12	----	----	8480	UNCH
AUG17	----	----	22.74 - 0.26	----	----	7520	UNCH
SEP17	----	----	21.16 - 0.31	----	----	8000	UNCH
OCT17	----	----	20.60 UNCH	----	----	7840	UNCH
NOV17	----	----	22.26 - 0.01	----	----	7700	UNCH
DEC17	----	----	28.96 - 0.13	----	----	8480	UNCH
JAN18	----	----	45.83 - 0.63	----	----	7840	UNCH
FEB18	----	----	42.78 - 0.61	----	----	7040	UNCH
MAR18	----	----	28.97 - 0.23	----	----	7820	UNCH
APR18	----	----	24.04 + 0.13	----	----	7680	UNCH
MAY18	----	----	19.70 - 0.04	----	----	7840	UNCH
JUN18	----	----	19.82 - 0.16	----	----	1920	UNCH
JUL18	----	----	23.76 + 0.04	----	----	2040	UNCH
AUG18	----	----	21.30 + 0.03	----	----	1880	UNCH
SEP18	----	----	18.86 - 0.08	----	----	2080	UNCH
OCT18	----	----	18.62 + 0.13	----	----	1880	UNCH
NOV18	----	----	19.90 + 0.14	----	----	1925	UNCH
DEC18	----	----	26.59 + 0.14	----	----	2120	UNCH
JAN19	----	----	43.25 - 0.14	----	----	1960	UNCH
FEB19	----	----	40.83 - 0.14	----	----	1760	UNCH
MAR19	----	----	24.55 - 0.32	----	----	2035	UNCH
APR19	----	----	20.49 - 0.24	----	----	1840	UNCH
MAY19	----	----	20.42 + 0.84	----	----	1960	UNCH
TOTAL W6 FUT						109640	
L6 FUT PJM PSEG DA PEAK							
JUL17	----	----	38.90 - 0.76	----	----	400	UNCH
AUG17	----	----	35.14 - 0.83	----	----	460	UNCH
SEP17	----	----	30.67 - 0.47	----	----	400	UNCH
OCT17	----	----	30.08 - 0.54	----	----	440	UNCH
NOV17	----	----	30.14 - 0.50	----	----	420	UNCH
DEC17	----	----	36.51 - 0.69	----	----	400	UNCH
JAN18	----	----	54.35 - 1.05	----	----	440	UNCH
FEB18	----	----	50.68 - 0.90	----	----	400	UNCH
MAR18	----	----	36.58 - 0.45	----	----	440	UNCH
APR18	----	----	29.83 - 0.06	----	----	420	UNCH
MAY18	----	----	29.86 - 0.14	----	----	440	UNCH
TOTAL L6 FUT						4660	
PWO FUT PJM WESTERN HUB DA OP DAILY FUT							
15JUL17	----	----	25.28 UNCH	----	----	0	4200
16JUL17	----	----	23.96 UNCH	----	----	0	4200
17JUL17	----	----	19.70 UNCH	----	----	0	1400
18JUL17	----	----	20.67 UNCH	----	----	1400	UNCH
19JUL17	----	----	22.56 UNCH	----	----	1400	UNCH
20JUL17	----	----	24.16 UNCH	----	----	1400	UNCH
21JUL17	----	----	24.29 UNCH	----	----	1400	UNCH
22JUL17	----	----	31.15 UNCH	----	----	4200	UNCH
23JUL17	----	----	30.23 + 2.58	----	----	4200	UNCH
24JUL17	----	----	21.45 - 6.20	----	----	1400	UNCH
25JUL17	----	----	19.74 - 7.91	----	----	1400	UNCH
26JUL17	----	----	27.65 UNCH	----	----	1400	UNCH
27JUL17	----	----	27.65 UNCH	----	----	1400	UNCH
28JUL17	----	----	27.65 UNCH	----	----	1400	UNCH
29JUL17	----	----	27.65 UNCH	----	----	4200	UNCH
30JUL17	----	----	27.65 UNCH	----	----	4200	UNCH
31JUL17	----	----	27.65 UNCH	----	----	1400	UNCH
TOTAL PWO FUT						30800	9800
PWP FUT PJM WESTERN HUB DA PEAK DAILY							
17JUL17	----	----	33.43 UNCH	----	----	0	281
18JUL17	----	----	37.20 UNCH	----	----	281	UNCH
19JUL17	----	----	39.89 UNCH	----	----	281	UNCH
20JUL17	----	----	57.50 UNCH	----	----	281	UNCH
21JUL17	----	----	42.85 UNCH	----	----	281	UNCH
24JUL17	----	----	35.96 - 6.89	----	----	281	UNCH
25JUL17	----	----	30.21 - 3.29	----	----	281	UNCH
26JUL17	----	----	31.50 - 2.00	----	----	281	UNCH
27JUL17	----	----	31.50 - 2.00	----	----	281	UNCH
28JUL17	----	----	31.50 - 2.00	----	----	281	UNCH
31JUL17	----	----	34.50 - 0.25	----	----	281	UNCH
TOTAL PWP FUT						2810	281
WOR FUT PJM WESTERN HUB RT OP DAILY							
14JUL17	----	----	21.50 UNCH	----	----	0	2048
15JUL17	----	----	25.70 UNCH	----	----	0	6144
16JUL17	----	----	26.89 UNCH	----	----	0	6144
17JUL17	----	----	21.03 UNCH	----	----	2048	UNCH
18JUL17	----	----	21.26 UNCH	----	----	2048	UNCH
19JUL17	----	----	23.85 UNCH	----	----	2048	UNCH
20JUL17	----	----	24.26 UNCH	----	----	2048	UNCH
21JUL17	----	----	23.52 - 0.60	----	----	2048	UNCH
22JUL17	----	----	29.65 + 5.53	----	----	6144	UNCH
23JUL17	----	----	26.53 + 2.41	----	----	6144	UNCH
24JUL17	----	----	24.12 UNCH	----	----	2048	UNCH
25JUL17	----	----	24.12 UNCH	----	----	2048	UNCH
26JUL17	----	----	24.12 UNCH	----	----	2048	UNCH
27JUL17	----	----	24.12 UNCH	----	----	2048	UNCH
28JUL17	----	----	24.12 UNCH	----	----	2048	UNCH
29JUL17	----	----	24.12 UNCH	----	----	6144	UNCH
30JUL17	----	----	24.12 UNCH	----	----	6144	UNCH
31JUL17	----	----	24.12 UNCH	----	----	2048	UNCH
TOTAL WOR FUT						47104	14336
E4 FUT PJM WESTH DA OFF-PEAK							
AUG17	----	----	23.37 - 0.26	----	----	65800	UNCH

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ENERGY FUTURES PRODUCTS

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E4 FUT	PJM WESTH DA OFF-PEAK					
SEP17	----	----	22.55 - 0.24	----	----	70000 UNCH
OCT17	----	----	22.98 - 0.28	----	----	68600 UNCH
NOV17	----	----	23.73 - 0.46	----	----	67375 UNCH
DEC17	----	----	27.10 - 0.25	----	----	74200 UNCH
JAN18	----	----	38.66 - 0.83	----	----	17640 UNCH
FEB18	----	----	35.69 - 0.78	----	----	15840 UNCH
MAR18	----	----	29.11 - 0.24	----	----	17595 UNCH
APR18	----	----	24.49 - 0.16	----	----	17280 UNCH
MAY18	----	----	21.60 - 0.05	----	----	17640 UNCH
JUN18	----	----	21.60 - 0.05	----	----	14208 UNCH
JUL18	----	----	23.77 - 0.05	----	----	15096 UNCH
AUG18	----	----	21.48 - 0.05	----	----	13912 UNCH
SEP18	----	----	21.35 - 0.03	----	----	15392 UNCH
OCT18	----	----	21.10 - 0.10	----	----	13912 UNCH
NOV18	----	----	21.35 - 0.10	----	----	14245 UNCH
DEC18	----	----	25.04 - 0.12	----	----	15688 UNCH
JAN19	----	----	38.17 - 0.37	----	----	10584 UNCH
FEB19	----	----	35.99 - 0.37	----	----	9504 UNCH
MAR19	----	----	26.97 - 0.37	----	----	10989 UNCH
APR19	----	----	22.65 - 0.31	----	----	9936 UNCH
MAY19	----	----	20.97 + 0.91	----	----	10584 UNCH
JUN19	----	----	20.42 - 0.19	----	----	8800 UNCH
JUL19	----	----	22.70 - 0.29	----	----	8624 UNCH
AUG19	----	----	20.52 - 0.29	----	----	8624 UNCH
SEP19	----	----	19.68 - 0.19	----	----	8800 UNCH
OCT19	----	----	19.03 - 0.19	----	----	8272 UNCH
NOV19	----	----	20.17 - 0.19	----	----	8822 UNCH
DEC19	----	----	23.35 - 0.18	----	----	8976 UNCH
JAN20	----	----	38.65 - 0.34	----	----	8624 UNCH
FEB20	----	----	36.46 - 0.34	----	----	8272 UNCH
MAR20	----	----	26.56 - 0.26	----	----	8602 UNCH
APR20	----	----	22.18 - 0.26	----	----	8096 UNCH
MAY20	----	----	19.15 - 0.10	----	----	9328 UNCH
JUN20	----	----	19.05 - 0.10	----	----	736 UNCH
JUL20	----	----	22.43 - 0.11	----	----	752 UNCH
AUG20	----	----	20.69 - 0.10	----	----	816 UNCH
SEP20	----	----	18.85 - 0.10	----	----	768 UNCH
OCT20	----	----	19.35 - 0.09	----	----	784 UNCH
NOV20	----	----	20.24 - 0.10	----	----	802 UNCH
DEC20	----	----	23.78 - 0.15	----	----	784 UNCH
TOTAL	E4 FUT					695302
N9 FUT	PJM WESTH RT OFF-PEAK					
AUG17	----	----	23.32 - 0.26	----	----	90992 UNCH
SEP17	----	----	22.50 - 0.24	----	----	89600 UNCH
OCT17	----	----	22.93 - 0.28	----	----	108192 UNCH
NOV17	----	----	23.68 - 0.46	----	----	110110 UNCH
DEC17	----	----	27.05 - 0.25	----	----	121264 UNCH
JAN18	----	----	38.61 - 0.83	----	----	146608 UNCH
FEB18	----	----	35.64 - 0.78	----	----	131648 UNCH
MAR18	----	----	29.06 - 0.24	----	----	62169 UNCH
APR18	----	----	24.44 - 0.16	----	----	61056 UNCH
MAY18	----	----	21.55 - 0.05	----	----	58408 UNCH
JUN18	----	----	21.55 - 0.05	----	----	57600 UNCH
JUL18	----	----	23.72 - 0.05	----	----	97920 UNCH
AUG18	----	----	21.43 - 0.05	----	----	90240 UNCH
SEP18	----	----	21.30 - 0.03	----	----	62400 UNCH
OCT18	----	----	21.05 - 0.10	----	----	56400 UNCH
NOV18	----	----	21.30 - 0.10	----	----	57750 UNCH
DEC18	----	----	24.99 - 0.12	----	----	63600 UNCH
JAN19	----	----	38.12 - 0.37	----	----	72128 UNCH
FEB19	----	----	35.94 - 0.37	----	----	64768 UNCH
MAR19	----	----	26.92 - 0.37	----	----	54538 UNCH
APR19	----	----	22.60 - 0.31	----	----	49312 UNCH
MAY19	----	----	20.92 + 0.91	----	----	52528 UNCH
JUN19	----	----	20.37 - 0.19	----	----	38400 UNCH
JUL19	----	----	22.65 - 0.29	----	----	63112 UNCH
AUG19	----	----	20.47 - 0.29	----	----	63112 UNCH
SEP19	----	----	19.63 - 0.19	----	----	34400 UNCH
OCT19	----	----	18.98 - 0.19	----	----	32336 UNCH
NOV19	----	----	20.12 - 0.19	----	----	34486 UNCH
DEC19	----	----	23.30 - 0.18	----	----	35088 UNCH
JAN20	----	----	38.60 - 0.34	----	----	12936 UNCH
FEB20	----	----	36.41 - 0.34	----	----	12408 UNCH
MAR20	----	----	26.51 - 0.26	----	----	12903 UNCH
APR20	----	----	22.13 - 0.26	----	----	12144 UNCH
MAY20	----	----	19.10 - 0.10	----	----	13992 UNCH
JUN20	----	----	19.00 - 0.10	----	----	7360 UNCH
JUL20	----	----	22.38 - 0.11	----	----	7520 UNCH
AUG20	----	----	20.64 - 0.10	----	----	8160 UNCH
SEP20	----	----	18.80 - 0.10	----	----	7680 UNCH
OCT20	----	----	19.30 - 0.09	----	----	7840 UNCH
NOV20	----	----	20.19 - 0.10	----	----	8020 UNCH
DEC20	----	----	23.73 - 0.15	----	----	7840 UNCH
JAN21	----	----	38.05 - 0.35	----	----	8480 UNCH
FEB21	----	----	35.82 - 0.35	----	----	7040 UNCH
MAR21	----	----	26.41 - 0.27	----	----	7500 UNCH
APR21	----	----	22.35 - 0.25	----	----	7360 UNCH
MAY21	----	----	19.08 - 0.10	----	----	8480 UNCH
JUN21	----	----	19.08 - 0.10	----	----	7360 UNCH
JUL21	----	----	22.55 - 0.10	----	----	8160 UNCH
AUG21	----	----	20.46 - 0.11	----	----	7840 UNCH
SEP21	----	----	19.03 - 0.10	----	----	7680 UNCH
OCT21	----	----	19.23 - 0.10	----	----	8160 UNCH
NOV21	----	----	20.02 - 0.10	----	----	7700 UNCH
DEC21	----	----	23.98 - 0.16	----	----	7520 UNCH
JAN22	----	----	38.04 - 0.38	----	----	20400 UNCH
FEB22	----	----	36.45 - 0.38	----	----	17600 UNCH
MAR22	----	----	26.58 - 0.29	----	----	18750 UNCH
APR22	----	----	22.17 - 0.28	----	----	19200 UNCH
MAY22	----	----	19.09 - 0.12	----	----	20400 UNCH
JUN22	----	----	19.14 - 0.12	----	----	18400 UNCH
JUL22	----	----	22.57 - 0.17	----	----	21200 UNCH
AUG22	----	----	20.53 - 0.12	----	----	18800 UNCH
SEP22	----	----	18.94 - 0.12	----	----	19200 UNCH
OCT22	----	----	19.24 - 0.12	----	----	20400 UNCH
NOV22	----	----	20.23 - 0.12	----	----	19250 UNCH

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	GLOBAL OPEN	GLOBAL HIGH/LOW	SETT. PRICE & PT. CHGE	GLOBAL VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
N9 FUT	PJM WESTH RT OFF-PEAK						
DEC22	----	----	23.80 - 0.19	----	----	20400	UNCH
TOTAL N9 FUT						2506248	
L1 FUT	PJM WESTH RT PEAK						
AUG17	----	----	34.00 - 0.83	----	----	9982	UNCH
SEP17	----	----	31.95 - 0.62	----	----	6120	UNCH
OCT17	----	----	31.80 - 0.56	----	----	9086	UNCH
NOV17	----	----	31.86 - 0.51	----	----	7581	UNCH
DEC17	----	----	35.09 - 0.68	----	----	7300	UNCH
JAN18	----	----	47.74 - 0.99	----	----	5192	UNCH
FEB18	----	----	44.45 - 0.86	----	----	4720	UNCH
MAR18	----	----	36.58 - 0.45	----	----	5544	UNCH
APR18	----	----	31.88 - 0.05	----	----	5292	UNCH
MAY18	----	----	31.90 - 0.14	----	----	3476	UNCH
JUN18	----	----	32.38 - 0.11	----	----	4200	UNCH
JUL18	----	----	36.76 - 0.43	----	----	4704	UNCH
AUG18	----	----	34.45 - 0.38	----	----	5152	UNCH
SEP18	----	----	31.33 - 0.07	----	----	4313	UNCH
OCT18	----	----	30.30 - 0.05	----	----	5543	UNCH
NOV18	----	----	29.88 - 0.05	----	----	5061	UNCH
DEC18	----	----	33.18 - 0.05	----	----	4820	UNCH
JAN19	----	----	46.61 - 0.57	----	----	3322	UNCH
FEB19	----	----	43.89 - 0.53	----	----	3020	UNCH
MAR19	----	----	34.73 - 0.40	----	----	2835	UNCH
APR19	----	----	30.17 - 0.37	----	----	2970	UNCH
MAY19	----	----	29.92 - 0.32	----	----	2970	UNCH
JUN19	----	----	30.61 - 0.38	----	----	1900	UNCH
JUL19	----	----	36.71 - 0.37	----	----	1980	UNCH
AUG19	----	----	33.59 - 0.33	----	----	1980	UNCH
SEP19	----	----	29.37 - 0.37	----	----	2100	UNCH
OCT19	----	----	27.52 - 0.19	----	----	2185	UNCH
NOV19	----	----	27.27 - 0.19	----	----	1900	UNCH
DEC19	----	----	30.70 - 0.24	----	----	1995	UNCH
JAN20	----	----	46.76 - 0.40	----	----	858	UNCH
FEB20	----	----	43.92 - 0.40	----	----	780	UNCH
MAR20	----	----	34.45 - 0.31	----	----	858	UNCH
APR20	----	----	29.86 - 0.27	----	----	858	UNCH
MAY20	----	----	29.22 - 0.26	----	----	780	UNCH
JUN20	----	----	30.06 - 0.27	----	----	968	UNCH
JUL20	----	----	37.34 - 0.31	----	----	2231	UNCH
AUG20	----	----	34.05 - 0.31	----	----	2037	UNCH
SEP20	----	----	28.62 - 0.26	----	----	924	UNCH
OCT20	----	----	26.12 - 0.17	----	----	968	UNCH
NOV20	----	----	26.67 - 0.17	----	----	880	UNCH
DEC20	----	----	30.26 - 0.17	----	----	968	UNCH
JAN21	----	----	46.89 - 0.22	----	----	40	UNCH
FEB21	----	----	44.00 - 0.19	----	----	40	UNCH
MAR21	----	----	34.03 - 0.14	----	----	46	UNCH
APR21	----	----	29.50 - 0.11	----	----	44	UNCH
MAY21	----	----	29.20 - 0.11	----	----	40	UNCH
JUN21	----	----	30.19 - 0.16	----	----	44	UNCH
JUL21	----	----	38.71 - 0.17	----	----	42	UNCH
AUG21	----	----	35.63 - 0.18	----	----	44	UNCH
SEP21	----	----	28.00 - 0.12	----	----	42	UNCH
OCT21	----	----	26.46 - 0.12	----	----	42	UNCH
NOV21	----	----	26.91 - 0.12	----	----	42	UNCH
DEC21	----	----	30.09 - 0.16	----	----	46	UNCH
TOTAL L1 FUT						140865	
J4 FUT	PJM WESTHDA PEAK						
AUG17	----	----	34.00 - 0.83	----	----	6463	UNCH
SEP17	----	----	31.95 - 0.62	----	----	3720	UNCH
OCT17	----	----	31.80 - 0.56	----	----	4092	UNCH
NOV17	----	----	31.86 - 0.51	----	----	3906	UNCH
DEC17	----	----	35.09 - 0.68	----	----	3720	UNCH
JAN18	----	----	47.74 - 0.99	----	----	990	UNCH
FEB18	----	----	44.45 - 0.86	----	----	900	UNCH
MAR18	----	----	36.58 - 0.45	----	----	990	UNCH
APR18	----	----	31.88 - 0.05	----	----	945	UNCH
MAY18	----	----	31.90 - 0.14	----	----	990	UNCH
JUN18	----	----	32.38 - 0.11	----	----	777	UNCH
JUL18	----	----	36.76 - 0.43	----	----	777	UNCH
AUG18	----	----	34.45 - 0.38	----	----	851	UNCH
SEP18	----	----	31.33 - 0.07	----	----	703	UNCH
OCT18	----	----	30.30 - 0.05	----	----	851	UNCH
NOV18	----	----	29.88 - 0.05	----	----	777	UNCH
DEC18	----	----	33.18 - 0.05	----	----	740	UNCH
JAN19	----	----	46.61 - 0.57	----	----	594	UNCH
FEB19	----	----	43.89 - 0.53	----	----	540	UNCH
MAR19	----	----	34.73 - 0.40	----	----	567	UNCH
APR19	----	----	30.17 - 0.37	----	----	594	UNCH
MAY19	----	----	29.92 - 0.32	----	----	594	UNCH
JUN19	----	----	30.61 - 0.38	----	----	540	UNCH
JUL19	----	----	36.71 - 0.37	----	----	594	UNCH
AUG19	----	----	33.59 - 0.33	----	----	594	UNCH
SEP19	----	----	29.37 - 0.37	----	----	540	UNCH
OCT19	----	----	27.52 - 0.19	----	----	621	UNCH
NOV19	----	----	27.27 - 0.19	----	----	540	UNCH
DEC19	----	----	30.70 - 0.24	----	----	567	UNCH
JAN20	----	----	46.76 - 0.40	----	----	484	UNCH
FEB20	----	----	43.92 - 0.40	----	----	440	UNCH
MAR20	----	----	34.45 - 0.31	----	----	484	UNCH
APR20	----	----	29.86 - 0.27	----	----	484	UNCH
MAY20	----	----	29.22 - 0.26	----	----	440	UNCH
JUN20	----	----	30.06 - 0.27	----	----	44	UNCH
JUL20	----	----	37.34 - 0.31	----	----	46	UNCH
AUG20	----	----	34.05 - 0.31	----	----	42	UNCH
SEP20	----	----	28.62 - 0.26	----	----	42	UNCH
OCT20	----	----	26.12 - 0.17	----	----	44	UNCH
NOV20	----	----	26.67 - 0.17	----	----	40	UNCH
DEC20	----	----	30.26 - 0.17	----	----	44	UNCH
TOTAL J4 FUT						41711	

COAL FUTURES PRODUCTS

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	LOBEX OPEN	LOBEX HIGH/LOW	SETT. & PT.	PRICE CHGE	LOBEX® VOLUME	PNT/PIT VOLUME	OPEN INTEREST	
ALW FUT	AUSTRALIAN COKING (PLATTS) LOW VOL							
JUL17	----	----	164.00	UNCH	----	----	54	UNCH
AUG17	----	----	171.00	UNCH	----	----	54	UNCH
SEP17	----	----	167.00	- 2.00	----	----	54	UNCH
OCT17	----	----	160.50	- 5.50	----	----	44	UNCH
NOV17	----	----	160.50	- 5.50	----	----	44	UNCH
DEC17	----	----	160.50	- 5.50	----	----	44	UNCH
JAN18	----	----	153.50	- 5.50	----	----	24	UNCH
FEB18	----	----	153.50	- 5.50	----	----	24	UNCH
MAR18	----	----	153.50	- 5.50	----	----	24	UNCH
APR18	----	----	149.50	- 3.50	----	----	24	UNCH
MAY18	----	----	149.50	- 3.50	----	----	24	UNCH
JUN18	----	----	149.50	- 3.50	----	----	24	UNCH
JUL18	----	----	146.50	- 1.50	----	----	24	UNCH
AUG18	----	----	146.50	- 1.50	----	----	24	UNCH
SEP18	----	----	146.50	- 1.50	----	----	24	UNCH
OCT18	----	----	144.00	UNCH	----	----	24	UNCH
NOV18	----	----	144.00	UNCH	----	----	24	UNCH
DEC18	----	----	144.00	UNCH	----	----	24	UNCH
JAN19	----	----	140.50	+ 1.50	----	----	4	UNCH
FEB19	----	----	140.50	+ 1.50	----	----	4	UNCH
MAR19	----	----	140.50	+ 1.50	----	----	4	UNCH
APR19	----	----	140.50	+ 1.50	----	----	4	UNCH
MAY19	----	----	140.50	+ 1.50	----	----	4	UNCH
JUN19	----	----	140.50	+ 1.50	----	----	4	UNCH
JUL19	----	----	140.50	+ 1.50	----	----	4	UNCH
AUG19	----	----	140.50	+ 1.50	----	----	4	UNCH
SEP19	----	----	140.50	+ 1.50	----	----	4	UNCH
OCT19	----	----	140.50	+ 1.50	----	----	4	UNCH
NOV19	----	----	140.50	+ 1.50	----	----	4	UNCH
DEC19	----	----	140.50	+ 1.50	----	----	4	UNCH
TOTAL ALW FUT							630	
MTF FUT	COAL API2 CIF ARA ARG-MCCLOSKEY							
JUL17	----	----	83.35	- 0.25	----	----	4737	UNCH
AUG17	----	----	81.65	- 0.95	----	80	5773	- 5
SEP17	----	----	81.20	- 1.10	----	80	5108	+ 34
OCT17	----	----	79.05	- 1.10	----	25	4170	+ 5
NOV17	----	----	79.05	- 1.10	----	25	4050	UNCH
DEC17	----	----	79.05	- 1.10	----	25	3950	- 5
JAN18	----	----	75.95	- 1.20	----	16	2050	- 14
FEB18	----	----	75.95	- 1.20	----	16	2050	- 14
MAR18	----	----	75.95	- 1.20	----	16	2050	- 14
APR18	----	----	72.75	- 1.30	----	16	2024	- 14
MAY18	----	----	72.75	- 1.30	----	16	2024	- 14
JUN18	----	----	72.75	- 1.30	----	16	2024	- 14
JUL18	----	----	71.15	- 1.45	----	16	1937	- 9
AUG18	----	----	71.15	- 1.45	----	16	1937	- 9
SEP18	----	----	71.15	- 1.45	----	16	1937	- 9
OCT18	----	----	69.65	- 1.60	----	16	1937	- 9
NOV18	----	----	69.65	- 1.60	----	16	1937	- 9
DEC18	----	----	69.65	- 1.60	----	16	1937	- 9
JAN19	----	----	67.80	- 1.20	----	10	901	+ 10
FEB19	----	----	67.80	- 1.20	----	10	901	+ 10
MAR19	----	----	67.80	- 1.20	----	10	901	+ 10
APR19	----	----	67.80	- 1.20	----	10	901	+ 10
MAY19	----	----	67.80	- 1.20	----	10	901	+ 10
JUN19	----	----	67.80	- 1.20	----	10	901	+ 10
JUL19	----	----	67.80	- 1.20	----	10	901	+ 10
AUG19	----	----	67.80	- 1.20	----	10	901	+ 10
SEP19	----	----	67.80	- 1.20	----	10	901	+ 10
OCT19	----	----	67.80	- 1.20	----	10	901	+ 10
NOV19	----	----	67.80	- 1.20	----	10	901	+ 10
DEC19	----	----	67.80	- 1.20	----	10	901	+ 10
JAN20	----	----	65.45	- 1.25	----	----	171	UNCH
FEB20	----	----	65.45	- 1.25	----	----	171	UNCH
MAR20	----	----	65.45	- 1.25	----	----	171	UNCH
APR20	----	----	65.45	- 1.25	----	----	171	UNCH
MAY20	----	----	65.45	- 1.25	----	----	171	UNCH
JUN20	----	----	65.45	- 1.25	----	----	171	UNCH
JUL20	----	----	65.45	- 1.25	----	----	171	UNCH
AUG20	----	----	65.45	- 1.25	----	----	171	UNCH
SEP20	----	----	65.45	- 1.25	----	----	171	UNCH
OCT20	----	----	65.45	- 1.25	----	----	171	UNCH
NOV20	----	----	65.45	- 1.25	----	----	171	UNCH
DEC20	----	----	65.45	- 1.25	----	----	171	UNCH
TOTAL MTF FUT						547	64496	+ 11
MFF FUT	COAL API4 RCH BAY ARGS MCCLOSKEY SW							
JUL17	----	----	82.25	- 0.45	----	10	1148	+ 10
AUG17	----	----	81.05	- 1.90	----	25	1120	- 15
SEP17	----	----	81.05	- 1.90	----	20	1425	+ 15
OCT17	----	----	80.00	- 1.40	----	5	1027	+ 5
NOV17	----	----	80.00	- 1.40	----	5	1027	+ 5
DEC17	----	----	80.00	- 1.40	----	5	1027	+ 5
JAN18	----	----	77.70	- 1.20	----	----	260	UNCH
FEB18	----	----	77.70	- 1.20	----	----	260	UNCH
MAR18	----	----	77.70	- 1.20	----	----	260	UNCH
APR18	----	----	75.45	- 1.35	----	----	200	UNCH
MAY18	----	----	75.45	- 1.35	----	----	200	UNCH
JUN18	----	----	75.45	- 1.35	----	----	200	UNCH
JUL18	----	----	74.20	- 1.30	----	----	200	UNCH
AUG18	----	----	74.20	- 1.30	----	----	200	UNCH
SEP18	----	----	74.20	- 1.30	----	----	200	UNCH
OCT18	----	----	73.00	- 1.50	----	----	200	UNCH
NOV18	----	----	73.00	- 1.50	----	----	200	UNCH
DEC18	----	----	73.00	- 1.50	----	----	200	UNCH
JAN19	----	----	70.55	- 1.25	----	----	10	UNCH
FEB19	----	----	70.55	- 1.25	----	----	10	UNCH
MAR19	----	----	70.55	- 1.25	----	----	10	UNCH
APR19	----	----	70.55	- 1.25	----	----	10	UNCH
MAY19	----	----	70.55	- 1.25	----	----	10	UNCH
JUN19	----	----	70.55	- 1.25	----	----	10	UNCH
JUL19	----	----	70.55	- 1.25	----	----	10	UNCH
AUG19	----	----	70.55	- 1.25	----	----	10	UNCH
SEP19	----	----	70.55	- 1.25	----	----	10	UNCH
OCT19	----	----	70.55	- 1.25	----	----	10	UNCH
NOV19	----	----	70.55	- 1.25	----	----	10	UNCH

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	COAL API4	RCH BAY	ARGS	MCCLOSKEY	SW	SETT. PRICE & PT. CHGE	GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST
MFF FUT									
DEC19	----	----				70.55 - 1.25	----	----	10 UNCH
TOTAL MFF FUT								70	9474 + 25
ACM FUT	COAL API5	FOB	NEWCASTLE	ARG/MC	FUT				
JUL17	----	----				71.25 - 0.50	----	----	60 UNCH
AUG17	----	----				71.50 - 0.85	----	5	5 - 5
SEP17	----	----				70.70 - 0.85	----	5	5 - 5
OCT17	----	----				69.75 - 0.50	----	----	10 UNCH
NOV17	----	----				68.50 - 0.65	----	----	10 UNCH
DEC17	----	----				67.40 - 0.75	----	----	10 UNCH
TOTAL ACM FUT								10	100 - 10
QX FUT	EASTERN RAIL	DELIVERY	CSX	COAL					
AUG17	----	----				56.05 UNCH	----	----	98 UNCH
SEP17	----	----				56.60 UNCH	----	----	98 UNCH
OCT17	----	----				56.20 UNCH	----	----	45 UNCH
NOV17	----	----				56.20 UNCH	----	----	45 UNCH
DEC17	----	----				56.20 UNCH	----	----	45 UNCH
JAN18	----	----				55.85 UNCH	----	----	30 UNCH
FEB18	----	----				55.85 UNCH	----	----	30 UNCH
MAR18	----	----				55.85 UNCH	----	----	30 UNCH
APR18	----	----				55.90 UNCH	----	----	30 UNCH
MAY18	----	----				55.90 UNCH	----	----	30 UNCH
JUN18	----	----				55.90 UNCH	----	----	30 UNCH
JUL18	----	----				55.95 UNCH	----	----	30 UNCH
AUG18	----	----				55.95 UNCH	----	----	30 UNCH
SEP18	----	----				55.95 UNCH	----	----	30 UNCH
OCT18	----	----				55.95 UNCH	----	----	30 UNCH
NOV18	----	----				55.95 UNCH	----	----	30 UNCH
DEC18	----	----				55.95 UNCH	----	----	30 UNCH
TOTAL QX FUT									691
QP FUT	WESTERN RAIL	DELIVERY	PRB	COAL					
AUG17	----	----				11.35 UNCH	----	----	120 UNCH
SEP17	----	----				11.80 + 0.10	----	----	120 UNCH
OCT17	----	----				11.45 UNCH	----	----	95 UNCH
NOV17	----	----				11.45 UNCH	----	----	95 UNCH
DEC17	----	----				11.45 UNCH	----	----	95 UNCH
JAN18	----	----				11.65 + 0.05	----	----	10 UNCH
FEB18	----	----				11.65 + 0.05	----	----	10 UNCH
MAR18	----	----				11.65 + 0.05	----	----	10 UNCH
APR18	----	----				11.65 UNCH	----	----	10 UNCH
MAY18	----	----				11.65 UNCH	----	----	10 UNCH
JUN18	----	----				11.65 UNCH	----	----	10 UNCH
JUL18	----	----				11.70 UNCH	----	----	10 UNCH
AUG18	----	----				11.70 UNCH	----	----	10 UNCH
SEP18	----	----				11.70 UNCH	----	----	10 UNCH
OCT18	----	----				11.80 UNCH	----	----	10 UNCH
NOV18	----	----				11.80 UNCH	----	----	10 UNCH
DEC18	----	----				11.80 UNCH	----	----	10 UNCH
TOTAL QP FUT									645

FREIGHT FUTURES PRODUCTS

	FREIGHT ROUTE	LIQUID	PETROLEUM	GAS	SETT. PRICE & PT. CHGE	GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST
FLP FUT								
JUL17	----	----			20.546 - 0.010	----	----	145 UNCH
AUG17	----	----			22.500 - 0.500	----	----	131 UNCH
SEP17	----	----			23.375 UNCH	----	----	121 UNCH
OCT17	----	----			26.000 UNCH	----	----	109 UNCH
NOV17	----	----			26.500 UNCH	----	----	109 UNCH
DEC17	----	----			27.000 UNCH	----	----	109 UNCH
JAN18	----	----			29.500 UNCH	----	----	11 UNCH
FEB18	----	----			29.500 UNCH	----	----	11 UNCH
MAR18	----	----			29.500 UNCH	----	----	11 UNCH
APR18	----	----			28.000 UNCH	----	----	6 UNCH
MAY18	----	----			28.000 UNCH	----	----	6 UNCH
JUN18	----	----			28.000 UNCH	----	----	6 UNCH
JUL18	----	----			28.750 UNCH	----	----	1 UNCH
AUG18	----	----			28.750 UNCH	----	----	1 UNCH
SEP18	----	----			28.750 UNCH	----	----	1 UNCH
OCT18	----	----			30.250 UNCH	----	----	1 UNCH
NOV18	----	----			30.250 UNCH	----	----	1 UNCH
DEC18	----	----			30.250 UNCH	----	----	1 UNCH
TOTAL FLP FUT								781

PLASTICS FUTURES PRODUCTS

	PGP POLYMER	GRD	PROPYLENE	CAL	SETT. PRICE & PT. CHGE	GLOBAL [®] VOLUME	PNT/PIT VOLUME	OPEN INTEREST
PGP FUT								
JUL17	----	----			0.36613 UNCH	----	----	398 UNCH
AUG17	----	----			0.36250 UNCH	----	1	183 UNCH
SEP17	----	----			0.36500 UNCH	----	----	183 UNCH
OCT17	----	----			0.36000 UNCH	----	1	144 + 1
NOV17	----	----			0.35750 UNCH	----	----	138 UNCH
DEC17	----	----			0.35500 UNCH	----	6	138 UNCH
JAN18	----	----			0.36000 +0.00375	----	----	16 UNCH
FEB18	----	----			0.36000 +0.00375	----	----	16 UNCH
MAR18	----	----			0.36000 +0.00375	----	----	16 UNCH
TOTAL PGP FUT							8	1232 + 1

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ENERGY FUTURES PRODUCTS

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EMISSIONS FUTURES PRODUCTS

		GLOBEX OPEN		GLOBEX HIGH/LOW		SETT. PRICE & PT. CHGE		GLOBEX® VOLUME		PNT VOLUME		OPEN INTEREST	
6T FUT	NYMEX	IN	DELIVRY MTH	EUA	(EURO)	FUT							
DEC17		----			----		5.14 + 0.05	----	----			6900	UNCH
DEC18		----			----		5.19 + 0.06	----	----			3698	UNCH
TOTAL	6T FUT											10598	

CORE EX-PIT BREAKDOWN

	DELIVERY CASH OR SETTLED	PHY 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	TAS DAILY TOTAL
NYMEX CRUDE OIL (PHYSICAL)												
AUG17	1529	1529	---	---	---	---	---	---	---	---	---	---
SEP17	---	---	---	---	---	---	---	---	2081	565	---	12428
OCT17	---	---	---	---	---	---	---	---	3946	---	---	3107
NOV17	---	---	---	---	---	---	---	---	1514	---	---	1236
DEC17	---	---	---	---	---	---	---	---	1800	---	---	783
JAN18	---	---	---	---	---	---	---	---	1695	---	---	1
FEB18	---	---	---	---	---	---	---	---	530	---	---	---
MAR18	---	---	---	---	---	---	---	---	272	---	---	---
APR18	---	---	---	---	---	---	---	---	34	---	---	---
MAY18	---	---	---	---	---	---	---	---	134	---	---	---
JUN18	---	---	---	---	---	---	---	---	4583	---	---	---
JUL18	---	---	---	---	---	---	---	---	130	---	---	---
AUG18	---	---	---	---	---	---	---	---	73	---	---	---
SEP18	---	---	---	---	---	---	---	---	136	---	---	---
OCT18	---	---	---	---	---	---	---	---	94	---	---	---
NOV18	---	---	---	---	---	---	---	---	93	---	---	---
DEC18	---	---	---	---	---	---	---	---	1436	---	---	---
JAN19	---	---	---	---	---	---	---	---	97	---	---	---
FEB19	---	---	---	---	---	---	---	---	39	---	---	---
MAR19	---	---	---	---	---	---	---	---	4	---	---	---
APR19	---	---	---	---	---	---	---	---	5	---	---	---
MAY19	---	---	---	---	---	---	---	---	3	---	---	---
JUN19	---	---	---	---	---	---	---	---	384	---	---	---
SEP19	---	---	---	---	---	---	---	---	250	---	---	---
DEC19	---	---	---	---	---	---	---	---	243	---	---	---
JAN20	---	---	---	---	---	---	---	---	19	---	---	---
JUN20	---	---	---	---	---	---	---	---	125	---	---	---
SEP20	---	---	---	---	---	---	---	---	250	---	---	---
DEC20	---	---	---	---	---	---	---	---	300	---	---	---
Total	1529	1529							20270	565		17555
NYMEX HEATING OIL (PHYSICAL)												
AUG17	---	---	2764	---	---	---	---	---	485	288	---	5707
SEP17	---	---	290	---	---	---	---	---	2644	25	---	5433
OCT17	---	---	---	---	---	---	---	---	1240	---	---	881
NOV17	---	---	---	---	---	---	---	---	188	---	---	970
DEC17	---	---	---	---	---	---	---	---	464	---	---	10
JAN18	---	---	---	---	---	---	---	---	152	---	---	4
FEB18	---	---	---	---	---	---	---	---	188	---	---	---
JUN18	---	---	---	---	---	---	---	---	211	---	---	---
DEC18	---	---	---	---	---	---	---	---	325	---	---	---
DEC19	---	---	---	---	---	---	---	---	150	---	---	---
Total			3054						6047	313		13005
NYMEX NY HARBOR GAS (RBOB) (PHY)												
AUG17	---	---	4434	---	---	---	---	---	2108	561	---	5682
SEP17	---	---	580	---	---	---	---	---	2995	---	---	3387
OCT17	---	---	---	---	---	---	---	---	854	---	---	563
NOV17	---	---	---	---	---	---	---	---	306	---	---	314
DEC17	---	---	---	---	---	---	---	---	515	---	---	44
JAN18	---	---	---	---	---	---	---	---	209	---	---	---
FEB18	---	---	---	---	---	---	---	---	1	---	---	---
APR18	---	---	---	---	---	---	---	---	100	---	---	---
JUN18	---	---	---	---	---	---	---	---	125	---	---	---
DEC18	---	---	---	---	---	---	---	---	16	---	---	---
Total			5014						7229	561		9990
NATURAL GAS HENRY HUB (PHYSICAL)												
AUG17	---	---	14	---	---	---	---	---	5761	---	---	2208
SEP17	---	---	2162	---	---	---	---	---	1487	---	---	6206
OCT17	---	---	---	---	---	---	---	---	2	---	---	502
NOV17	---	---	---	---	---	---	---	---	36	---	---	701
DEC17	---	---	---	---	---	---	---	---	93	---	---	---
JAN18	---	---	---	---	---	---	---	---	210	---	---	31
FEB18	---	---	---	---	---	---	---	---	145	---	---	---
MAR18	---	---	---	---	---	---	---	---	2147	---	---	---
APR18	---	---	---	---	---	---	---	---	1044	---	---	---
MAY18	---	---	---	---	---	---	---	---	265	---	---	---
JUN18	---	---	---	---	---	---	---	---	878	---	---	---
JUL18	---	---	---	---	---	---	---	---	34	---	---	---
AUG18	---	---	---	---	---	---	---	---	35	---	---	---
SEP18	---	---	---	---	---	---	---	---	107	---	---	---
OCT18	---	---	---	---	---	---	---	---	163	---	---	---
NOV18	---	---	---	---	---	---	---	---	53	---	---	---
DEC18	---	---	---	---	---	---	---	---	215	---	---	---
APR19	---	---	---	---	---	---	---	---	70	---	---	---
DEC20	---	---	---	---	---	---	---	---	204	---	---	---
JAN21	---	---	---	---	---	---	---	---	30	---	---	---
FEB21	---	---	---	---	---	---	---	---	30	---	---	---
MAR21	---	---	---	---	---	---	---	---	30	---	---	---
APR21	---	---	---	---	---	---	---	---	30	---	---	---
MAY21	---	---	---	---	---	---	---	---	30	---	---	---
JUN21	---	---	---	---	---	---	---	---	30	---	---	---
JUL21	---	---	---	---	---	---	---	---	30	---	---	---
AUG21	---	---	---	---	---	---	---	---	30	---	---	---
SEP21	---	---	---	---	---	---	---	---	30	---	---	---
OCT21	---	---	---	---	---	---	---	---	30	---	---	---
NOV21	---	---	---	---	---	---	---	---	30	---	---	---
DEC21	---	---	---	---	---	---	---	---	30	---	---	---
Total			2176						13309			9648
NYMEX BRENT OIL LAST DAY FUTURES												
SEP17	---	---	---	---	---	---	---	---	26	---	---	366

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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
DEC17	---	---	---	---	---	---	---	5	---	---
Total								31		366
EUROPEAN GASOIL ICE FUTURE										
E-MINI CRUDE OIL FUTURES										
E-MINI GASOLINE FUTURES										
E-MINI NATURAL GAS										

CRUDE OIL EX-PIT BREAKDOWN

DELIVERY CASH OR PHY SETTLED	MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS DAILY TOTAL
ARGUS LLS VS. WTI (ARG) TRD M										
SEP17	---	---	---	---	---	---	---	523	---	---
OCT17	---	---	---	---	---	---	---	766	---	---
NOV17	---	---	---	---	---	---	---	79	---	---
DEC17	---	---	---	---	---	---	---	167	---	---
								1535		
BRENT BALMO										
BRENT CALENDAR										
AUG17	---	---	---	---	---	---	---	111	---	---
SEP17	---	---	---	---	---	---	---	111	---	---
OCT17	---	---	---	---	---	---	---	111	---	---
NOV17	---	---	---	---	---	---	---	111	---	---
DEC17	---	---	---	---	---	---	---	161	---	---
JAN20	---	---	---	---	---	---	---	79	---	---
FEB20	---	---	---	---	---	---	---	79	---	---
MAR20	---	---	---	---	---	---	---	79	---	---
APR20	---	---	---	---	---	---	---	79	---	---
MAY20	---	---	---	---	---	---	---	79	---	---
JUN20	---	---	---	---	---	---	---	79	---	---
JUL20	---	---	---	---	---	---	---	79	---	---
AUG20	---	---	---	---	---	---	---	79	---	---
SEP20	---	---	---	---	---	---	---	79	---	---
OCT20	---	---	---	---	---	---	---	79	---	---
NOV20	---	---	---	---	---	---	---	79	---	---
DEC20	---	---	---	---	---	---	---	79	---	---
								1553		
CANADIAN C5+ CONDENSATE INDEX FUT										
CANADIAN HEAVY CRUDE(NET ENRGY) FUT										
SEP17	---	---	---	---	---	---	---	75	---	---
OCT17	---	---	---	---	---	---	---	120	---	---
NOV17	---	---	---	---	---	---	---	120	---	---
DEC17	---	---	---	---	---	---	---	120	---	---
JAN18	---	---	---	---	---	---	---	15	---	---
FEB18	---	---	---	---	---	---	---	15	---	---
MAR18	---	---	---	---	---	---	---	15	---	---
APR18	---	---	---	---	---	---	---	15	---	---
MAY18	---	---	---	---	---	---	---	15	---	---
JUN18	---	---	---	---	---	---	---	15	---	---
JUL18	---	---	---	---	---	---	---	15	---	---
AUG18	---	---	---	---	---	---	---	15	---	---
SEP18	---	---	---	---	---	---	---	15	---	---
OCT18	---	---	---	---	---	---	---	15	---	---
NOV18	---	---	---	---	---	---	---	15	---	---
DEC18	---	---	---	---	---	---	---	15	---	---
								615		
CANADIAN LIGHT SWEET OIL										
CLEARBROOK BAKKEN CRUDE OIL INDEX										
DATED FRONTLINE BRENT BALMO										
DATED TO FRONTLINE BRENT CLNDR										
AUG17	---	---	---	---	---	---	---	125	---	---
SEP17	---	---	---	---	---	---	---	125	---	---
								250		
DUBAI CRUDE OIL CALENDAR										
AUG17	---	---	---	---	---	---	---	100	---	---
SEP17	---	---	---	---	---	---	---	100	---	---
								200		
EUROPE DATED BRENT										
GULF COAST SOUR CRUDE OIL FUTURES										
ICE BRENT DUBAI										
OCT17	---	---	---	---	---	---	---	50	---	---
NOV17	---	---	---	---	---	---	---	50	---	---
DEC17	---	---	---	---	---	---	---	50	---	---
								150		
LIGHT SWEET OIL NET ENERGY MONTHLY										
LLS (ARGUS) VS WTI										
AUG17	---	---	---	---	---	---	---	198	---	---
SEP17	---	---	---	---	---	---	---	191	---	---
OCT17	---	---	---	---	---	---	---	198	---	---
NOV17	---	---	---	---	---	---	---	191	---	---
DEC17	---	---	---	---	---	---	---	30	---	---
								808		
LOOP CRUDE OIL STORAGE FUTURES										
AUG17	3000	3000	---	---	---	---	---	---	---	---
	3000	3000								
MARS (ARGUS) VS WTI										
MARS (ARGUS) VS WTI TRD MTH										
SEP17	---	---	---	---	---	---	---	395	---	---
OCT17	---	---	---	---	---	---	---	450	---	---
NOV17	---	---	---	---	---	---	---	150	---	---
DEC17	---	---	---	---	---	---	---	550	---	---
								1545		
MINI DATED BRENT (PLATTS) FINANCIAL										

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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	
JAN18	---	---	---	---	---	---	---	---	93	---	---	
FEB18	---	---	---	---	---	---	---	---	93	---	---	
MAR18	---	---	---	---	---	---	---	---	93	---	---	
APR18	---	---	---	---	---	---	---	---	93	---	---	
MAY18	---	---	---	---	---	---	---	---	93	---	---	
JUN18	---	---	---	---	---	---	---	---	93	---	---	
JUL18	---	---	---	---	---	---	---	---	91	---	---	
AUG18	---	---	---	---	---	---	---	---	91	---	---	
SEP18	---	---	---	---	---	---	---	---	91	---	---	
OCT18	---	---	---	---	---	---	---	---	91	---	---	
NOV18	---	---	---	---	---	---	---	---	91	---	---	
DEC18	---	---	---	---	---	---	---	---	141	---	---	
JAN19	---	---	---	---	---	---	---	---	72	---	---	
FEB19	---	---	---	---	---	---	---	---	72	---	---	
MAR19	---	---	---	---	---	---	---	---	72	---	---	
APR19	---	---	---	---	---	---	---	---	72	---	---	
MAY19	---	---	---	---	---	---	---	---	72	---	---	
JUN19	---	---	---	---	---	---	---	---	72	---	---	
JUL19	---	---	---	---	---	---	---	---	72	---	---	
AUG19	---	---	---	---	---	---	---	---	72	---	---	
SEP19	---	---	---	---	---	---	---	---	72	---	---	
OCT19	---	---	---	---	---	---	---	---	72	---	---	
NOV19	---	---	---	---	---	---	---	---	72	---	---	
DEC19	---	---	---	---	---	---	---	---	72	---	---	
JAN20	---	---	---	---	---	---	---	---	22	---	---	
FEB20	---	---	---	---	---	---	---	---	22	---	---	
MAR20	---	---	---	---	---	---	---	---	22	---	---	
APR20	---	---	---	---	---	---	---	---	22	---	---	
MAY20	---	---	---	---	---	---	---	---	22	---	---	
JUN20	---	---	---	---	---	---	---	---	22	---	---	
JUL20	---	---	---	---	---	---	---	---	22	---	---	
AUG20	---	---	---	---	---	---	---	---	22	---	---	
SEP20	---	---	---	---	---	---	---	---	22	---	---	
OCT20	---	---	---	---	---	---	---	---	22	---	---	
NOV20	---	---	---	---	---	---	---	---	22	---	---	
DEC20	---	---	---	---	---	---	---	---	22	---	---	
JAN21	---	---	---	---	---	---	---	---	15	---	---	
FEB21	---	---	---	---	---	---	---	---	15	---	---	
MAR21	---	---	---	---	---	---	---	---	15	---	---	
APR21	---	---	---	---	---	---	---	---	15	---	---	
MAY21	---	---	---	---	---	---	---	---	15	---	---	
JUN21	---	---	---	---	---	---	---	---	15	---	---	
									2279			
WESTERN CANADIAN SELECT OIL MONTHLY												
JAN18	---	---	---	---	---	---	---	---	15	---	---	
FEB18	---	---	---	---	---	---	---	---	15	---	---	
MAR18	---	---	---	---	---	---	---	---	15	---	---	
APR18	---	---	---	---	---	---	---	---	15	---	---	
MAY18	---	---	---	---	---	---	---	---	15	---	---	
JUN18	---	---	---	---	---	---	---	---	15	---	---	
JUL18	---	---	---	---	---	---	---	---	15	---	---	
AUG18	---	---	---	---	---	---	---	---	15	---	---	
SEP18	---	---	---	---	---	---	---	---	15	---	---	
OCT18	---	---	---	---	---	---	---	---	15	---	---	
NOV18	---	---	---	---	---	---	---	---	15	---	---	
DEC18	---	---	---	---	---	---	---	---	15	---	---	
									180			
WTI BALMO												
WTI FINANCIAL FUTURES												
WTI HOUSTON ARGUS V. WTI TRADE MONTH												
WTI MIDLAND (ARG) VS. WTI TRADE MTH												
WTI MIDLAND(ARGUS) VS WTI FINCL FUT												
AUG17	---	---	---	---	---	---	---	---	180	---	---	
SEP17	---	---	---	---	---	---	---	---	180	---	---	
OCT17	---	---	---	---	---	---	---	---	180	---	---	
NOV17	---	---	---	---	---	---	---	---	180	---	---	
DEC17	---	---	---	---	---	---	---	---	180	---	---	
									900			
WTI-BRENT BULLET												
WTI-BRENT CALENDAR												
AUG17	---	---	---	---	---	---	---	---	205	---	---	
SEP17	---	---	---	---	---	---	---	---	205	---	---	
OCT17	---	---	---	---	---	---	---	---	205	---	---	
NOV17	---	---	---	---	---	---	---	---	205	---	---	
DEC17	---	---	---	---	---	---	---	---	205	---	---	
JAN18	---	---	---	---	---	---	---	---	275	---	---	
FEB18	---	---	---	---	---	---	---	---	275	---	---	
MAR18	---	---	---	---	---	---	---	---	275	---	---	
APR18	---	---	---	---	---	---	---	---	275	---	---	
MAY18	---	---	---	---	---	---	---	---	275	---	---	
JUN18	---	---	---	---	---	---	---	---	275	---	---	
JUL18	---	---	---	---	---	---	---	---	275	---	---	
AUG18	---	---	---	---	---	---	---	---	275	---	---	
SEP18	---	---	---	---	---	---	---	---	275	---	---	
OCT18	---	---	---	---	---	---	---	---	375	---	---	
NOV18	---	---	---	---	---	---	---	---	375	---	---	
DEC18	---	---	---	---	---	---	---	---	375	---	---	
JAN19	---	---	---	---	---	---	---	---	5	---	---	
FEB19	---	---	---	---	---	---	---	---	5	---	---	
MAR19	---	---	---	---	---	---	---	---	5	---	---	
APR19	---	---	---	---	---	---	---	---	5	---	---	
MAY19	---	---	---	---	---	---	---	---	5	---	---	
JUN19	---	---	---	---	---	---	---	---	5	---	---	
JUL19	---	---	---	---	---	---	---	---	5	---	---	
AUG19	---	---	---	---	---	---	---	---	5	---	---	
SEP19	---	---	---	---	---	---	---	---	5	---	---	
OCT19	---	---	---	---	---	---	---	---	5	---	---	
NOV19	---	---	---	---	---	---	---	---	5	---	---	
DEC19	---	---	---	---	---	---	---	---	5	---	---	
									4685			
WTS (ARGUS) VS WTI TRD MTH												
OCT17	---	---	---	---	---	---	---	---	2	---	---	
DEC17	---	---	---	---	---	---	---	---	2	---	---	

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ALGON CITY GATES NAT GAS INDEX									
ALGONQUIN CITYGATES BASIS									
ANR OKLAHOMA									
CENTERPOINT BASIS									
CIG BASIS									
AUG17	---	---	---	---	---	---	108	---	---
SEP17	---	---	---	---	---	---	108	---	---
OCT17	---	---	---	---	---	---	108	---	---
NOV17	---	---	---	---	---	---	108	---	---
DEC17	---	---	---	---	---	---	108	---	---
							540		
CIG ROCKIES NAT GAS (PLATTS) FUT									
COLUMB GULF MAINLINE NG BASIS									
AUG17	---	---	---	---	---	---	27	---	---
SEP17	---	---	---	---	---	---	27	---	---
OCT17	---	---	---	---	---	---	27	---	---
NOV17	---	---	---	---	---	---	27	---	---
DEC17	---	---	---	---	---	---	26	---	---
JAN18	---	---	---	---	---	---	26	---	---
FEB18	---	---	---	---	---	---	26	---	---
MAR18	---	---	---	---	---	---	26	---	---
APR18	---	---	---	---	---	---	26	---	---
MAY18	---	---	---	---	---	---	26	---	---
JUN18	---	---	---	---	---	---	26	---	---
JUL18	---	---	---	---	---	---	25	---	---
AUG18	---	---	---	---	---	---	25	---	---
SEP18	---	---	---	---	---	---	25	---	---
OCT18	---	---	---	---	---	---	25	---	---
NOV18	---	---	---	---	---	---	25	---	---
DEC18	---	---	---	---	---	---	25	---	---
JAN19	---	---	---	---	---	---	25	---	---
FEB19	---	---	---	---	---	---	25	---	---
MAR19	---	---	---	---	---	---	24	---	---
APR19	---	---	---	---	---	---	24	---	---
MAY19	---	---	---	---	---	---	24	---	---
JUN19	---	---	---	---	---	---	24	---	---
JUL19	---	---	---	---	---	---	24	---	---
AUG19	---	---	---	---	---	---	24	---	---
SEP19	---	---	---	---	---	---	24	---	---
OCT19	---	---	---	---	---	---	24	---	---
NOV19	---	---	---	---	---	---	23	---	---
DEC19	---	---	---	---	---	---	23	---	---
JAN20	---	---	---	---	---	---	23	---	---
FEB20	---	---	---	---	---	---	23	---	---
MAR20	---	---	---	---	---	---	23	---	---
APR20	---	---	---	---	---	---	23	---	---
MAY20	---	---	---	---	---	---	23	---	---
JUN20	---	---	---	---	---	---	23	---	---
JUL20	---	---	---	---	---	---	23	---	---
AUG20	---	---	---	---	---	---	22	---	---
SEP20	---	---	---	---	---	---	22	---	---
OCT20	---	---	---	---	---	---	22	---	---
NOV20	---	---	---	---	---	---	22	---	---
DEC20	---	---	---	---	---	---	22	---	---
							999		
COLUMBIA GULF ONSHORE BASIS									
AUG17	---	---	---	---	---	---	468	---	---
SEP17	---	---	---	---	---	---	212	---	---
OCT17	---	---	---	---	---	---	220	---	---
NOV17	---	---	---	---	---	---	212	---	---
DEC17	---	---	---	---	---	---	220	---	---
							1332		
DOMINION (IFERC) FIXED PRICE									
AUG17	---	---	---	---	---	---	180	---	---
SEP17	---	---	---	---	---	---	180	---	---
							360		
DOMINION TRAN INC - APP INDEX									
DOMINION TRANSMISSION INC -APPALAC									
AUG17	---	---	---	---	---	---	124	---	---
SEP17	---	---	---	---	---	---	120	---	---
OCT17	---	---	---	---	---	---	124	---	---
NOV17	---	---	---	---	---	---	390	---	---
DEC17	---	---	---	---	---	---	403	---	---
JAN18	---	---	---	---	---	---	465	---	---
FEB18	---	---	---	---	---	---	420	---	---
MAR18	---	---	---	---	---	---	465	---	---
APR18	---	---	---	---	---	---	360	---	---
MAY18	---	---	---	---	---	---	372	---	---
JUN18	---	---	---	---	---	---	360	---	---
JUL18	---	---	---	---	---	---	372	---	---
AUG18	---	---	---	---	---	---	372	---	---
SEP18	---	---	---	---	---	---	360	---	---
OCT18	---	---	---	---	---	---	372	---	---
NOV18	---	---	---	---	---	---	180	---	---
DEC18	---	---	---	---	---	---	186	---	---
JAN19	---	---	---	---	---	---	93	---	---
FEB19	---	---	---	---	---	---	84	---	---
MAR19	---	---	---	---	---	---	93	---	---
JAN20	---	---	---	---	---	---	31	---	---
FEB20	---	---	---	---	---	---	29	---	---
MAR20	---	---	---	---	---	---	31	---	---
APR20	---	---	---	---	---	---	30	---	---
MAY20	---	---	---	---	---	---	31	---	---
JUN20	---	---	---	---	---	---	30	---	---
JUL20	---	---	---	---	---	---	31	---	---
AUG20	---	---	---	---	---	---	31	---	---
SEP20	---	---	---	---	---	---	30	---	---
OCT20	---	---	---	---	---	---	31	---	---
NOV20	---	---	---	---	---	---	30	---	---
DEC20	---	---	---	---	---	---	31	---	---

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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
FEB18	---	---	---	---	---	---	---	---	4248	---	---	---
MAR18	---	---	---	---	---	---	---	---	7316	---	---	---
APR18	---	---	---	---	---	---	---	---	3559	---	---	---
MAY18	---	---	---	---	---	---	---	---	2156	---	---	---
JUN18	---	---	---	---	---	---	---	---	3806	---	---	---
JUL18	---	---	---	---	---	---	---	---	2372	---	---	---
AUG18	---	---	---	---	---	---	---	---	2389	---	---	---
SEP18	---	---	---	---	---	---	---	---	2377	---	---	---
OCT18	---	---	---	---	---	---	---	---	9489	---	---	---
NOV18	---	---	---	---	---	---	---	---	2293	---	---	---
DEC18	---	---	---	---	---	---	---	---	2355	---	---	---
JAN19	---	---	---	---	---	---	---	---	1389	---	---	---
FEB19	---	---	---	---	---	---	---	---	1204	---	---	---
MAR19	---	---	---	---	---	---	---	---	1422	---	---	---
APR19	---	---	---	---	---	---	---	---	1912	---	---	---
MAY19	---	---	---	---	---	---	---	---	1855	---	---	---
JUN19	---	---	---	---	---	---	---	---	1730	---	---	---
JUL19	---	---	---	---	---	---	---	---	1673	---	---	---
AUG19	---	---	---	---	---	---	---	---	1624	---	---	---
SEP19	---	---	---	---	---	---	---	---	1632	---	---	---
OCT19	---	---	---	---	---	---	---	---	1780	---	---	---
NOV19	---	---	---	---	---	---	---	---	1496	---	---	---
DEC19	---	---	---	---	---	---	---	---	1526	---	---	---
JAN20	---	---	---	---	---	---	---	---	1803	---	---	---
FEB20	---	---	---	---	---	---	---	---	1645	---	---	---
MAR20	---	---	---	---	---	---	---	---	1843	---	---	---
APR20	---	---	---	---	---	---	---	---	2045	---	---	---
MAY20	---	---	---	---	---	---	---	---	2008	---	---	---
JUN20	---	---	---	---	---	---	---	---	1872	---	---	---
JUL20	---	---	---	---	---	---	---	---	1850	---	---	---
AUG20	---	---	---	---	---	---	---	---	1803	---	---	---
SEP20	---	---	---	---	---	---	---	---	1796	---	---	---
OCT20	---	---	---	---	---	---	---	---	1954	---	---	---
NOV20	---	---	---	---	---	---	---	---	1591	---	---	---
DEC20	---	---	---	---	---	---	---	---	1539	---	---	---
JAN21	---	---	---	---	---	---	---	---	937	---	---	---
FEB21	---	---	---	---	---	---	---	---	817	---	---	---
MAR21	---	---	---	---	---	---	---	---	977	---	---	---
APR21	---	---	---	---	---	---	---	---	1086	---	---	---
MAY21	---	---	---	---	---	---	---	---	1009	---	---	---
JUN21	---	---	---	---	---	---	---	---	919	---	---	---
JUL21	---	---	---	---	---	---	---	---	770	---	---	---
AUG21	---	---	---	---	---	---	---	---	724	---	---	---
SEP21	---	---	---	---	---	---	---	---	762	---	---	---
OCT21	---	---	---	---	---	---	---	---	968	---	---	---
NOV21	---	---	---	---	---	---	---	---	972	---	---	---
DEC21	---	---	---	---	---	---	---	---	991	---	---	---
JAN22	---	---	---	---	---	---	---	---	49	---	---	---
FEB22	---	---	---	---	---	---	---	---	51	---	---	---
MAR22	---	---	---	---	---	---	---	---	14	---	---	---
APR22	---	---	---	---	---	---	---	---	3	---	---	---
MAY22	---	---	---	---	---	---	---	---	86	---	---	---
JUN22	---	---	---	---	---	---	---	---	127	---	---	---
JUL22	---	---	---	---	---	---	---	---	202	---	---	---
AUG22	---	---	---	---	---	---	---	---	239	---	---	---
SEP22	---	---	---	---	---	---	---	---	178	---	---	---
OCT22	---	---	---	---	---	---	---	---	113	---	---	---
NOV22	---	---	---	---	---	---	---	---	62	---	---	---
DEC22	---	---	---	---	---	---	---	---	79	---	---	---
JAN23	---	---	---	---	---	---	---	---	12	---	---	---
FEB23	---	---	---	---	---	---	---	---	6	---	---	---
MAR23	---	---	---	---	---	---	---	---	12	---	---	---
APR23	---	---	---	---	---	---	---	---	10	---	---	---
MAY23	---	---	---	---	---	---	---	---	12	---	---	---
JUN23	---	---	---	---	---	---	---	---	10	---	---	---
JUL23	---	---	---	---	---	---	---	---	12	---	---	---
AUG23	---	---	---	---	---	---	---	---	12	---	---	---
SEP23	---	---	---	---	---	---	---	---	10	---	---	---
OCT23	---	---	---	---	---	---	---	---	12	---	---	---
NOV23	---	---	---	---	---	---	---	---	10	---	---	---
DEC23	---	---	---	---	---	---	---	---	12	---	---	---
									97450			

HENRY HUB BASIS

AUG17	---	---	---	---	---	---	---	---	124	---	---	---
SEP17	---	---	---	---	---	---	---	---	120	---	---	---
OCT17	---	---	---	---	---	---	---	---	124	---	---	---
NOV17	---	---	---	---	---	---	---	---	120	---	---	---
DEC17	---	---	---	---	---	---	---	---	124	---	---	---
									612			

HENRY HUB INDEX FUTURE

HENRY HUB NG LAST DAY FINANCIAL

AUG17	---	---	---	---	---	---	---	---	12553	---	---	---
SEP17	---	---	---	---	---	---	---	---	1003	300	---	---
OCT17	---	---	---	---	---	---	---	---	1766	---	---	---
NOV17	---	---	---	---	---	---	---	---	287	---	---	---
DEC17	---	---	---	---	---	---	---	---	549	---	---	---
JAN18	---	---	---	---	---	---	---	---	294	---	---	---
FEB18	---	---	---	---	---	---	---	---	717	---	---	---
MAR18	---	---	---	---	---	---	---	---	1661	---	---	---
APR18	---	---	---	---	---	---	---	---	1034	---	---	---
MAY18	---	---	---	---	---	---	---	---	52	---	---	---
JUN18	---	---	---	---	---	---	---	---	6	---	---	---
JUL18	---	---	---	---	---	---	---	---	74	---	---	---
AUG18	---	---	---	---	---	---	---	---	49	---	---	---
SEP18	---	---	---	---	---	---	---	---	6	---	---	---
OCT18	---	---	---	---	---	---	---	---	376	---	---	---
NOV18	---	---	---	---	---	---	---	---	224	---	---	---
DEC18	---	---	---	---	---	---	---	---	174	---	---	---
JAN19	---	---	---	---	---	---	---	---	584	---	---	---
FEB19	---	---	---	---	---	---	---	---	134	---	---	---
MAR19	---	---	---	---	---	---	---	---	236	---	---	---
APR19	---	---	---	---	---	---	---	---	284	---	---	---
MAY19	---	---	---	---	---	---	---	---	134	---	---	---
JUN19	---	---	---	---	---	---	---	---	134	---	---	---
JUL19	---	---	---	---	---	---	---	---	149	---	---	---
AUG19	---	---	---	---	---	---	---	---	155	---	---	---

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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
NOV19	---	---	---	---	---	---	---	---	134	---	---
DEC19	---	---	---	---	---	---	---	---	134	---	---
JAN20	---	---	---	---	---	---	---	---	41	---	---
FEB20	---	---	---	---	---	---	---	---	41	---	---
MAR20	---	---	---	---	---	---	---	---	41	---	---
APR20	---	---	---	---	---	---	---	---	41	---	---
MAY20	---	---	---	---	---	---	---	---	41	---	---
JUN20	---	---	---	---	---	---	---	---	41	---	---
JUL20	---	---	---	---	---	---	---	---	41	---	---
AUG20	---	---	---	---	---	---	---	---	41	---	---
SEP20	---	---	---	---	---	---	---	---	41	---	---
OCT20	---	---	---	---	---	---	---	---	41	---	---
NOV20	---	---	---	---	---	---	---	---	41	---	---
DEC20	---	---	---	---	---	---	---	---	41	---	---
									23395	300	
HENRY HUB PENULTIMATE FUT											
AUG17	---	---	---	---	---	---	---	---	1057	---	---
SEP17	---	---	---	---	---	---	---	---	797	---	---
OCT17	---	---	---	---	---	---	---	---	797	---	---
NOV17	---	---	---	---	---	---	---	---	268	---	---
DEC17	---	---	---	---	---	---	---	---	334	---	---
JAN18	---	---	---	---	---	---	---	---	367	---	---
FEB18	---	---	---	---	---	---	---	---	160	---	---
MAR18	---	---	---	---	---	---	---	---	160	---	---
APR18	---	---	---	---	---	---	---	---	414	---	---
MAY18	---	---	---	---	---	---	---	---	414	---	---
JUN18	---	---	---	---	---	---	---	---	414	---	---
JUL18	---	---	---	---	---	---	---	---	414	---	---
AUG18	---	---	---	---	---	---	---	---	414	---	---
SEP18	---	---	---	---	---	---	---	---	414	---	---
OCT18	---	---	---	---	---	---	---	---	414	---	---
NOV18	---	---	---	---	---	---	---	---	226	---	---
DEC18	---	---	---	---	---	---	---	---	226	---	---
									7290		
HOUSTON SHIP CHANNEL BASIS											
AUG17	---	---	---	---	---	---	---	---	93	---	---
SEP17	---	---	---	---	---	---	---	---	90	---	---
JAN18	---	---	---	---	---	---	---	---	62	---	---
FEB18	---	---	---	---	---	---	---	---	56	---	---
MAR18	---	---	---	---	---	---	---	---	62	---	---
APR18	---	---	---	---	---	---	---	---	60	---	---
MAY18	---	---	---	---	---	---	---	---	62	---	---
JUN18	---	---	---	---	---	---	---	---	60	---	---
JUL18	---	---	---	---	---	---	---	---	62	---	---
AUG18	---	---	---	---	---	---	---	---	62	---	---
SEP18	---	---	---	---	---	---	---	---	60	---	---
OCT18	---	---	---	---	---	---	---	---	62	---	---
NOV18	---	---	---	---	---	---	---	---	60	---	---
DEC18	---	---	---	---	---	---	---	---	62	---	---
									913		
HOUSTON SHIP CHANNEL PIPE											
AUG17	---	---	---	---	---	---	---	---	362	---	---
SEP17	---	---	---	---	---	---	---	---	357	---	---
									719		
MICHIGAN BASIS											
NGPL MID-CONTINENT											
NGPL TEX /OK											
AUG17	---	---	---	---	---	---	---	---	124	---	---
SEP17	---	---	---	---	---	---	---	---	120	---	---
OCT17	---	---	---	---	---	---	---	---	124	---	---
NOV17	---	---	---	---	---	---	---	---	120	---	---
DEC17	---	---	---	---	---	---	---	---	124	---	---
JAN18	---	---	---	---	---	---	---	---	62	---	---
FEB18	---	---	---	---	---	---	---	---	56	---	---
MAR18	---	---	---	---	---	---	---	---	62	---	---
APR18	---	---	---	---	---	---	---	---	60	---	---
MAY18	---	---	---	---	---	---	---	---	62	---	---
JUN18	---	---	---	---	---	---	---	---	60	---	---
JUL18	---	---	---	---	---	---	---	---	62	---	---
AUG18	---	---	---	---	---	---	---	---	62	---	---
SEP18	---	---	---	---	---	---	---	---	60	---	---
OCT18	---	---	---	---	---	---	---	---	62	---	---
NOV18	---	---	---	---	---	---	---	---	60	---	---
DEC18	---	---	---	---	---	---	---	---	62	---	---
									1342		
NORTHERN NATURAL GAS DEMARCATION											
NORTHERN NATURAL GAS VENTURA IOWA											
NORTHERN ROCKIES PIPE											
AUG17	---	---	---	---	---	---	---	---	31	---	---
SEP17	---	---	---	---	---	---	---	---	30	---	---
OCT17	---	---	---	---	---	---	---	---	31	---	---
NOV17	---	---	---	---	---	---	---	---	30	---	---
DEC17	---	---	---	---	---	---	---	---	31	---	---
JAN18	---	---	---	---	---	---	---	---	31	---	---
FEB18	---	---	---	---	---	---	---	---	28	---	---
MAR18	---	---	---	---	---	---	---	---	31	---	---
APR18	---	---	---	---	---	---	---	---	30	---	---
MAY18	---	---	---	---	---	---	---	---	31	---	---
JUN18	---	---	---	---	---	---	---	---	30	---	---
									334		
NORTHWEST ROCKIES BASIS FUTURE											
AUG17	---	---	---	---	---	---	---	---	165	---	---
SEP17	---	---	---	---	---	---	---	---	160	---	---
OCT17	---	---	---	---	---	---	---	---	165	---	---
NOV17	---	---	---	---	---	---	---	---	190	---	---
DEC17	---	---	---	---	---	---	---	---	196	---	---
JAN18	---	---	---	---	---	---	---	---	1	---	---
FEB18	---	---	---	---	---	---	---	---	1	---	---

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								879		
NYMEX NATURAL GAS FUTURES										
AUG17	---	---	---	---	---	---	---	5911	---	---
SEP17	---	---	---	---	---	---	---	866	---	---
OCT17	---	---	---	---	---	---	---	325	---	---
NOV17	---	---	---	---	---	---	---	315	---	---
DEC17	---	---	---	---	---	---	---	217	---	---
JAN18	---	---	---	---	---	---	---	548	---	---
FEB18	---	---	---	---	---	---	---	101	---	---
MAR18	---	---	---	---	---	---	---	148	---	---
APR18	---	---	---	---	---	---	---	88	---	---
MAY18	---	---	---	---	---	---	---	88	---	---
JUN18	---	---	---	---	---	---	---	88	---	---
JUL18	---	---	---	---	---	---	---	88	---	---
AUG18	---	---	---	---	---	---	---	88	---	---
SEP18	---	---	---	---	---	---	---	88	---	---
OCT18	---	---	---	---	---	---	---	88	---	---
NOV18	---	---	---	---	---	---	---	120	---	---
DEC18	---	---	---	---	---	---	---	120	---	---
JAN19	---	---	---	---	---	---	---	97	---	---
FEB19	---	---	---	---	---	---	---	97	---	---
MAR19	---	---	---	---	---	---	---	97	---	---
APR19	---	---	---	---	---	---	---	148	---	---
MAY19	---	---	---	---	---	---	---	78	---	---
JUN19	---	---	---	---	---	---	---	78	---	---
JUL19	---	---	---	---	---	---	---	78	---	---
AUG19	---	---	---	---	---	---	---	78	---	---
SEP19	---	---	---	---	---	---	---	78	---	---
OCT19	---	---	---	---	---	---	---	78	---	---
NOV19	---	---	---	---	---	---	---	78	---	---
DEC19	---	---	---	---	---	---	---	78	---	---
								10350		
ONEOK OKLAHOMA NG BASIS										
PANHANDLE BASIS FUTURE										
AUG17	---	---	---	---	---	---	---	297	---	---
SEP17	---	---	---	---	---	---	---	289	---	---
OCT17	---	---	---	---	---	---	---	309	---	---
NOV17	---	---	---	---	---	---	---	240	---	---
DEC17	---	---	---	---	---	---	---	247	---	---
JAN18	---	---	---	---	---	---	---	67	---	---
FEB18	---	---	---	---	---	---	---	64	---	---
MAR18	---	---	---	---	---	---	---	66	---	---
APR18	---	---	---	---	---	---	---	55	---	---
MAY18	---	---	---	---	---	---	---	58	---	---
JUN18	---	---	---	---	---	---	---	55	---	---
JUL18	---	---	---	---	---	---	---	58	---	---
AUG18	---	---	---	---	---	---	---	59	---	---
SEP18	---	---	---	---	---	---	---	56	---	---
OCT18	---	---	---	---	---	---	---	59	---	---
NOV18	---	---	---	---	---	---	---	154	---	---
DEC18	---	---	---	---	---	---	---	158	---	---
JAN19	---	---	---	---	---	---	---	34	---	---
FEB19	---	---	---	---	---	---	---	33	---	---
MAR19	---	---	---	---	---	---	---	33	---	---
APR19	---	---	---	---	---	---	---	27	---	---
MAY19	---	---	---	---	---	---	---	29	---	---
JUN19	---	---	---	---	---	---	---	27	---	---
JUL19	---	---	---	---	---	---	---	30	---	---
AUG19	---	---	---	---	---	---	---	30	---	---
SEP19	---	---	---	---	---	---	---	28	---	---
OCT19	---	---	---	---	---	---	---	30	---	---
NOV19	---	---	---	---	---	---	---	28	---	---
DEC19	---	---	---	---	---	---	---	30	---	---
JAN20	---	---	---	---	---	---	---	31	---	---
FEB20	---	---	---	---	---	---	---	27	---	---
MAR20	---	---	---	---	---	---	---	31	---	---
APR20	---	---	---	---	---	---	---	31	---	---
MAY20	---	---	---	---	---	---	---	31	---	---
JUN20	---	---	---	---	---	---	---	31	---	---
JUL20	---	---	---	---	---	---	---	30	---	---
AUG20	---	---	---	---	---	---	---	30	---	---
SEP20	---	---	---	---	---	---	---	30	---	---
OCT20	---	---	---	---	---	---	---	30	---	---
NOV20	---	---	---	---	---	---	---	30	---	---
DEC20	---	---	---	---	---	---	---	30	---	---
								3012		
PANHANDLE PIPE										
PERMIAN BASIS										
AUG17	---	---	---	---	---	---	---	124	---	---
SEP17	---	---	---	---	---	---	---	120	---	---
OCT17	---	---	---	---	---	---	---	124	---	---
NOV17	---	---	---	---	---	---	---	210	---	---
DEC17	---	---	---	---	---	---	---	217	---	---
								795		
SAN JUAN BASIS										
AUG17	---	---	---	---	---	---	---	279	---	---
SEP17	---	---	---	---	---	---	---	270	---	---
OCT17	---	---	---	---	---	---	---	279	---	---
NOV17	---	---	---	---	---	---	---	240	---	---
DEC17	---	---	---	---	---	---	---	248	---	---
JAN18	---	---	---	---	---	---	---	124	---	---
FEB18	---	---	---	---	---	---	---	112	---	---
MAR18	---	---	---	---	---	---	---	124	---	---
APR19	---	---	---	---	---	---	---	120	---	---
MAY19	---	---	---	---	---	---	---	124	---	---
JUN19	---	---	---	---	---	---	---	120	---	---
								2040		
SONAT BASIS FUTURE										
SOUTH STAR TEX OKLHM KNS NG B										
SUMAS BASIS										

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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
DEC17	---	---	---	---	---	---	---	---	62	---	---
									60		
TCO BASIS											
AUG17	---	---	---	---	---	---	---	---	31	---	---
SEP17	---	---	---	---	---	---	---	---	30	---	---
OCT17	---	---	---	---	---	---	---	---	31	---	---
JAN18	---	---	---	---	---	---	---	---	31	---	---
FEB18	---	---	---	---	---	---	---	---	28	---	---
MAR18	---	---	---	---	---	---	---	---	31	---	---
APR18	---	---	---	---	---	---	---	---	90	---	---
MAY18	---	---	---	---	---	---	---	---	93	---	---
JUN18	---	---	---	---	---	---	---	---	90	---	---
JUL18	---	---	---	---	---	---	---	---	93	---	---
AUG18	---	---	---	---	---	---	---	---	93	---	---
SEP18	---	---	---	---	---	---	---	---	90	---	---
OCT18	---	---	---	---	---	---	---	---	93	---	---
									824		
TENNESSEE 500 LEG BASIS											
TENNESSEE 800 LEG NG BASIS											
TENNESSEE ZONE 0 BASIS											
TETCO M-3 INDEX											
TETCO STX BASIS											
TEXAS EASTERN ZONE M-3 BASIS											
NOV17	---	---	---	---	---	---	---	---	90	---	---
DEC17	---	---	---	---	---	---	---	---	93	---	---
JAN18	---	---	---	---	---	---	---	---	93	---	---
FEB18	---	---	---	---	---	---	---	---	84	---	---
MAR18	---	---	---	---	---	---	---	---	93	---	---
									453		
TEXAS GAS ZONE1 NG BASIS											
TRANSCO ZONE 3 BASIS											
TRANSCO ZONE 3 NG INDEX											
TRANSCO ZONE 6 BASIS											
TRANSCO ZONE 6 GAS INDEX											
TRANSCO ZONE 6 INDEX											
TRANSCO ZONE 6 NON NY BASIS											
TRANSCO ZONE4 BASIS											
AUG17	---	---	---	---	---	---	---	---	123	---	---
SEP17	---	---	---	---	---	---	---	---	123	---	---
OCT17	---	---	---	---	---	---	---	---	121	---	---
NOV17	---	---	---	---	---	---	---	---	121	---	---
DEC17	---	---	---	---	---	---	---	---	119	---	---
JAN18	---	---	---	---	---	---	---	---	149	---	---
FEB18	---	---	---	---	---	---	---	---	149	---	---
MAR18	---	---	---	---	---	---	---	---	148	---	---
APR18	---	---	---	---	---	---	---	---	147	---	---
MAY18	---	---	---	---	---	---	---	---	146	---	---
JUN18	---	---	---	---	---	---	---	---	145	---	---
JUL18	---	---	---	---	---	---	---	---	145	---	---
AUG18	---	---	---	---	---	---	---	---	144	---	---
SEP18	---	---	---	---	---	---	---	---	143	---	---
OCT18	---	---	---	---	---	---	---	---	142	---	---
NOV18	---	---	---	---	---	---	---	---	142	---	---
DEC18	---	---	---	---	---	---	---	---	141	---	---
JAN19	---	---	---	---	---	---	---	---	140	---	---
FEB19	---	---	---	---	---	---	---	---	139	---	---
MAR19	---	---	---	---	---	---	---	---	139	---	---
APR19	---	---	---	---	---	---	---	---	138	---	---
MAY19	---	---	---	---	---	---	---	---	137	---	---
JUN19	---	---	---	---	---	---	---	---	136	---	---
JUL19	---	---	---	---	---	---	---	---	136	---	---
AUG19	---	---	---	---	---	---	---	---	135	---	---
SEP19	---	---	---	---	---	---	---	---	134	---	---
OCT19	---	---	---	---	---	---	---	---	134	---	---
NOV19	---	---	---	---	---	---	---	---	133	---	---
DEC19	---	---	---	---	---	---	---	---	132	---	---
JAN20	---	---	---	---	---	---	---	---	132	---	---
FEB20	---	---	---	---	---	---	---	---	131	---	---
MAR20	---	---	---	---	---	---	---	---	130	---	---
APR20	---	---	---	---	---	---	---	---	130	---	---
MAY20	---	---	---	---	---	---	---	---	129	---	---
JUN20	---	---	---	---	---	---	---	---	129	---	---
JUL20	---	---	---	---	---	---	---	---	128	---	---
AUG20	---	---	---	---	---	---	---	---	127	---	---
SEP20	---	---	---	---	---	---	---	---	127	---	---
OCT20	---	---	---	---	---	---	---	---	126	---	---
NOV20	---	---	---	---	---	---	---	---	125	---	---
DEC20	---	---	---	---	---	---	---	---	125	---	---
									5520		
WAHA BASIS											
AUG17	---	---	---	---	---	---	---	---	4	---	---
SEP17	---	---	---	---	---	---	---	---	4	---	---
OCT17	---	---	---	---	---	---	---	---	6	---	---
NOV17	---	---	---	---	---	---	---	---	3	---	---
DEC17	---	---	---	---	---	---	---	---	3	---	---
JAN18	---	---	---	---	---	---	---	---	35	---	---
FEB18	---	---	---	---	---	---	---	---	33	---	---
MAR18	---	---	---	---	---	---	---	---	36	---	---
APR18	---	---	---	---	---	---	---	---	25	---	---
MAY18	---	---	---	---	---	---	---	---	27	---	---
JUN18	---	---	---	---	---	---	---	---	25	---	---
JUL18	---	---	---	---	---	---	---	---	26	---	---
AUG18	---	---	---	---	---	---	---	---	26	---	---
SEP18	---	---	---	---	---	---	---	---	26	---	---
OCT18	---	---	---	---	---	---	---	---	25	---	---
NOV18	---	---	---	---	---	---	---	---	57	---	---
DEC18	---	---	---	---	---	---	---	---	59	---	---
JAN19	---	---	---	---	---	---	---	---	57	---	---

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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
OCT19	---	---	---	---	---	---	---	---	37	---	---
NOV19	---	---	---	---	---	---	---	---	33	---	---
DEC19	---	---	---	---	---	---	---	---	35	---	---
JAN20	---	---	---	---	---	---	---	---	36	---	---
FEB20	---	---	---	---	---	---	---	---	33	---	---
MAR20	---	---	---	---	---	---	---	---	36	---	---
APR20	---	---	---	---	---	---	---	---	36	---	---
MAY20	---	---	---	---	---	---	---	---	36	---	---
JUN20	---	---	---	---	---	---	---	---	35	---	---
JUL20	---	---	---	---	---	---	---	---	36	---	---
AUG20	---	---	---	---	---	---	---	---	36	---	---
SEP20	---	---	---	---	---	---	---	---	35	---	---
									915		

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% FUEL OIL (PLT) CARG CIF MED											
1% FUEL OIL RDM VS 1% OIL NWE PLTS											
3.5% FUEL OIL (PLATTS) FOB RDA											
AUG17	---	---	---	---	---	---	---	---	14	---	---
SEP17	---	---	---	---	---	---	---	---	14	---	---
OCT17	---	---	---	---	---	---	---	---	11	---	---
NOV17	---	---	---	---	---	---	---	---	11	---	---
DEC17	---	---	---	---	---	---	---	---	16	---	---
JAN19	---	---	---	---	---	---	---	---	1	---	---
FEB19	---	---	---	---	---	---	---	---	1	---	---
MAR19	---	---	---	---	---	---	---	---	1	---	---
APR19	---	---	---	---	---	---	---	---	1	---	---
MAY19	---	---	---	---	---	---	---	---	1	---	---
JUN19	---	---	---	---	---	---	---	---	1	---	---
JUL19	---	---	---	---	---	---	---	---	1	---	---
AUG19	---	---	---	---	---	---	---	---	1	---	---
SEP19	---	---	---	---	---	---	---	---	1	---	---
OCT19	---	---	---	---	---	---	---	---	1	---	---
NOV19	---	---	---	---	---	---	---	---	1	---	---
DEC19	---	---	---	---	---	---	---	---	1	---	---
JAN20	---	---	---	---	---	---	---	---	1	---	---
FEB20	---	---	---	---	---	---	---	---	1	---	---
MAR20	---	---	---	---	---	---	---	---	1	---	---
APR20	---	---	---	---	---	---	---	---	1	---	---
MAY20	---	---	---	---	---	---	---	---	1	---	---
JUN20	---	---	---	---	---	---	---	---	1	---	---
JUL20	---	---	---	---	---	---	---	---	1	---	---
AUG20	---	---	---	---	---	---	---	---	1	---	---
SEP20	---	---	---	---	---	---	---	---	1	---	---
OCT20	---	---	---	---	---	---	---	---	1	---	---
NOV20	---	---	---	---	---	---	---	---	1	---	---
DEC20	---	---	---	---	---	---	---	---	1	---	---
									90		
3.5% FUEL OIL CID MED											
3.5% FUEL OIL RDAM VS FOB MED BALM											
25JUL17	---	---	---	---	---	---	---	---	10	---	---
									10		
3.5% FUELOIL FOB RDAM CRK SPD BALMO											
ARGUS GASOLINE NWE CRACK SPR											
CHICAGO ULSD PL VS HO SPR											
CHICAGO UNL GAS PL VS RBOB SPR											
DIESEL 10PPM BARGES FOB BALMO											
E/W NAPHTHA JAPAN CF-CARGOS CIF NWE											
AUG17	---	---	---	---	---	---	---	---	20	---	---
JAN18	---	---	---	---	---	---	---	---	4	---	---
FEB18	---	---	---	---	---	---	---	---	4	---	---
MAR18	---	---	---	---	---	---	---	---	4	---	---
APR18	---	---	---	---	---	---	---	---	4	---	---
MAY18	---	---	---	---	---	---	---	---	4	---	---
JUN18	---	---	---	---	---	---	---	---	4	---	---
JUL18	---	---	---	---	---	---	---	---	4	---	---
AUG18	---	---	---	---	---	---	---	---	4	---	---
SEP18	---	---	---	---	---	---	---	---	4	---	---
OCT18	---	---	---	---	---	---	---	---	4	---	---
NOV18	---	---	---	---	---	---	---	---	4	---	---
DEC18	---	---	---	---	---	---	---	---	4	---	---
									68		
EAST/WEST FUEL OIL SPREAD											
EAST-WST GASOLINE SPREAD PLATTS/ARG											
EIA FLAT TAX ONHWAY DIESEL											
AUG17	---	---	---	---	---	---	---	---	48	---	---
SEP17	---	---	---	---	---	---	---	---	48	---	---
OCT17	---	---	---	---	---	---	---	---	48	---	---
NOV17	---	---	---	---	---	---	---	---	48	---	---
DEC17	---	---	---	---	---	---	---	---	48	---	---
JAN18	---	---	---	---	---	---	---	---	10	---	---
FEB18	---	---	---	---	---	---	---	---	10	---	---
MAR18	---	---	---	---	---	---	---	---	10	---	---
APR18	---	---	---	---	---	---	---	---	10	---	---
MAY18	---	---	---	---	---	---	---	---	10	---	---
JUN18	---	---	---	---	---	---	---	---	10	---	---
JUL18	---	---	---	---	---	---	---	---	10	---	---
AUG18	---	---	---	---	---	---	---	---	10	---	---
SEP18	---	---	---	---	---	---	---	---	10	---	---
OCT18	---	---	---	---	---	---	---	---	10	---	---
NOV18	---	---	---	---	---	---	---	---	10	---	---
DEC18	---	---	---	---	---	---	---	---	10	---	---
									360		
EIA FLAT TAX US RETAIL GASOLINE											
EU BALMO LOW SULPHUR GASOIL BRENT											

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EURO 3.5% FUEL OIL RDAM BALMO												
EURO 3.5% FUEL OIL SPREAD												
AUG17	---	---	---	---	---	---	---	---	1	---	---	---
SEP17	---	---	---	---	---	---	---	---	1	---	---	---
OCT17	---	---	---	---	---	---	---	---	1	---	---	---
NOV17	---	---	---	---	---	---	---	---	1	---	---	---
DEC17	---	---	---	---	---	---	---	---	1	---	---	---
									5			
EURO DIESEL 10PPM VS ICE												
EURO PPNE CIFARG VS NAPHTHA NWE SW												
AUG17	---	---	---	---	---	---	---	---	12	---	---	---
									12			
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												
AUG17	---	---	---	---	---	---	---	---	65	---	---	---
SEP17	---	---	---	---	---	---	---	---	85	---	---	---
OCT17	---	---	---	---	---	---	---	---	35	---	---	---
NOV17	---	---	---	---	---	---	---	---	10	---	---	---
DEC17	---	---	---	---	---	---	---	---	10	---	---	---
JAN18	---	---	---	---	---	---	---	---	2	---	---	---
FEB18	---	---	---	---	---	---	---	---	2	---	---	---
MAR18	---	---	---	---	---	---	---	---	2	---	---	---
APR18	---	---	---	---	---	---	---	---	2	---	---	---
MAY18	---	---	---	---	---	---	---	---	2	---	---	---
JUN18	---	---	---	---	---	---	---	---	2	---	---	---
JUL18	---	---	---	---	---	---	---	---	2	---	---	---
AUG18	---	---	---	---	---	---	---	---	2	---	---	---
SEP18	---	---	---	---	---	---	---	---	2	---	---	---
OCT18	---	---	---	---	---	---	---	---	6	---	---	---
NOV18	---	---	---	---	---	---	---	---	6	---	---	---
DEC18	---	---	---	---	---	---	---	---	6	---	---	---
JAN19	---	---	---	---	---	---	---	---	2	---	---	---
FEB19	---	---	---	---	---	---	---	---	2	---	---	---
MAR19	---	---	---	---	---	---	---	---	2	---	---	---
APR19	---	---	---	---	---	---	---	---	2	---	---	---
MAY19	---	---	---	---	---	---	---	---	2	---	---	---
JUN19	---	---	---	---	---	---	---	---	2	---	---	---
JUL19	---	---	---	---	---	---	---	---	2	---	---	---
AUG19	---	---	---	---	---	---	---	---	2	---	---	---
SEP19	---	---	---	---	---	---	---	---	2	---	---	---
OCT19	---	---	---	---	---	---	---	---	2	---	---	---
NOV19	---	---	---	---	---	---	---	---	2	---	---	---
DEC19	---	---	---	---	---	---	---	---	2	---	---	---
									265			
EUROPE JET KERO NWE CAL												
EUROPE NAPHTHA CAL												
AUG17	---	---	---	---	---	---	---	---	59	---	---	---
SEP17	---	---	---	---	---	---	---	---	89	---	---	---
OCT17	---	---	---	---	---	---	---	---	41	---	---	---
NOV17	---	---	---	---	---	---	---	---	21	---	---	---
DEC17	---	---	---	---	---	---	---	---	44	---	---	---
									254			
EUROPEAN NAPHTHA BALMO												
EUROPEAN NAPHTHA CRACK SPREAD												
AUG17	---	---	---	---	---	---	---	---	72	---	---	---
OCT17	---	---	---	---	---	---	---	---	10	---	---	---
NOV17	---	---	---	---	---	---	---	---	10	---	---	---
DEC17	---	---	---	---	---	---	---	---	10	---	---	---
JAN18	---	---	---	---	---	---	---	---	9	---	---	---
FEB18	---	---	---	---	---	---	---	---	9	---	---	---
MAR18	---	---	---	---	---	---	---	---	9	---	---	---
									129			
FUEL OIL CARGOES VS. BARGES												
FUEL OIL CRACK VS ICE												
AUG17	---	---	---	---	---	---	---	---	49	---	---	---
SEP17	---	---	---	---	---	---	---	---	49	---	---	---
OCT17	---	---	---	---	---	---	---	---	49	---	---	---
NOV17	---	---	---	---	---	---	---	---	49	---	---	---
DEC17	---	---	---	---	---	---	---	---	49	---	---	---
JAN18	---	---	---	---	---	---	---	---	10	---	---	---
FEB18	---	---	---	---	---	---	---	---	10	---	---	---
MAR18	---	---	---	---	---	---	---	---	10	---	---	---
APR18	---	---	---	---	---	---	---	---	10	---	---	---
MAY18	---	---	---	---	---	---	---	---	10	---	---	---
JUN18	---	---	---	---	---	---	---	---	1	---	---	---
JUL18	---	---	---	---	---	---	---	---	10	---	---	---
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SEP18	---	---	---	---	---	---	---	---	10	---	---	---
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									347			
G. COAST #6 FUEL OIL 3.0% VS BRENT												
AUG17	---	---	---	---	---	---	---	---	65	---	---	---
SEP17	---	---	---	---	---	---	---	---	65	---	---	---
OCT17	---	---	---	---	---	---	---	---	65	---	---	---
NOV17	---	---	---	---	---	---	---	---	65	---	---	---
DEC17	---	---	---	---	---	---	---	---	65	---	---	---
JAN18	---	---	---	---	---	---	---	---	10	---	---	---
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APR18	---	---	---	---	---	---	---	---	10	---	---	---
MAY18	---	---	---	---	---	---	---	---	10	---	---	---
JUN18	---	---	---	---	---	---	---	---	10	---	---	---
JUL18	---	---	---	---	---	---	---	---	10	---	---	---
AUG18	---	---	---	---	---	---	---	---	10	---	---	---

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PG61	BULLETIN #140@	ENERGY FUTURES PRODUCTS										Mon, Jul 24, 2017	PG61
	DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS DAILY TOTAL	TAS DAILY TOTAL	
SEP17	---	---	---	---	---	---	---	---	135	---	---	---	
OCT17	---	---	---	---	---	---	---	---	110	---	---	---	
NOV17	---	---	---	---	---	---	---	---	110	---	---	---	
DEC17	---	---	---	---	---	---	---	---	110	---	---	---	
									745				
GAS EURO-BOB OXY (ARG) NEW BRG													
AUG17	---	---	---	---	---	---	---	---	55	---	---	---	
SEP17	---	---	---	---	---	---	---	---	31	---	---	---	
OCT17	---	---	---	---	---	---	---	---	2	---	---	---	
NOV17	---	---	---	---	---	---	---	---	2	---	---	---	
DEC17	---	---	---	---	---	---	---	---	7	---	---	---	
									97				
GASOIL (ICE) CRACK SPREAD													
AUG17	---	---	---	---	---	---	---	---	2	---	---	---	
SEP17	---	---	---	---	---	---	---	---	2	---	---	---	
OCT17	---	---	---	---	---	---	---	---	2	---	---	---	
NOV17	---	---	---	---	---	---	---	---	2	---	---	---	
DEC17	---	---	---	---	---	---	---	---	2	---	---	---	
									10				
GASOIL 0.1 RDAM BRGS VS ICE													
GASOIL 0.1 ROTTERDAM BARGES SW													
GASOIL 0.1CIF MED VS ICE GAS													
GASOIL 10PPM VS ICE													
JAN18	---	---	---	---	---	---	---	---	1	---	---	---	
FEB18	---	---	---	---	---	---	---	---	1	---	---	---	
MAR18	---	---	---	---	---	---	---	---	1	---	---	---	
APR18	---	---	---	---	---	---	---	---	1	---	---	---	
MAY18	---	---	---	---	---	---	---	---	1	---	---	---	
JUN18	---	---	---	---	---	---	---	---	1	---	---	---	
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AUG18	---	---	---	---	---	---	---	---	1	---	---	---	
SEP18	---	---	---	---	---	---	---	---	1	---	---	---	
OCT18	---	---	---	---	---	---	---	---	1	---	---	---	
NOV18	---	---	---	---	---	---	---	---	1	---	---	---	
DEC18	---	---	---	---	---	---	---	---	1	---	---	---	
									12				
GASOIL BULLET													
GASOIL CALENDAR													
GASOIL CRACK SPREAD CALENDAR													
AUG17	---	---	---	---	---	---	---	---	65	---	---	---	
SEP17	---	---	---	---	---	---	---	---	65	---	---	---	
OCT17	---	---	---	---	---	---	---	---	15	---	---	---	
NOV17	---	---	---	---	---	---	---	---	15	---	---	---	
DEC17	---	---	---	---	---	---	---	---	15	---	---	---	
JAN18	---	---	---	---	---	---	---	---	15	---	---	---	
FEB18	---	---	---	---	---	---	---	---	15	---	---	---	
MAR18	---	---	---	---	---	---	---	---	15	---	---	---	
APR18	---	---	---	---	---	---	---	---	15	---	---	---	
MAY18	---	---	---	---	---	---	---	---	15	---	---	---	
JUN18	---	---	---	---	---	---	---	---	15	---	---	---	
JUL18	---	---	---	---	---	---	---	---	15	---	---	---	
AUG18	---	---	---	---	---	---	---	---	15	---	---	---	
SEP18	---	---	---	---	---	---	---	---	15	---	---	---	
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NOV18	---	---	---	---	---	---	---	---	15	---	---	---	
DEC18	---	---	---	---	---	---	---	---	15	---	---	---	
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GASOIL MINI CALENDAR													
GROUP THREE ULSD (PLATTS)													
AUG17	---	---	---	---	---	---	---	---	25	---	---	---	
SEP17	---	---	---	---	---	---	---	---	25	---	---	---	
OCT17	---	---	---	---	---	---	---	---	25	---	---	---	
NOV17	---	---	---	---	---	---	---	---	25	---	---	---	
DEC17	---	---	---	---	---	---	---	---	25	---	---	---	
									125				
GRP THREE ULSD(PLT)VS HEAT OIL													
AUG17	---	---	---	---	---	---	---	---	25	---	---	---	
SEP17	---	---	---	---	---	---	---	---	25	---	---	---	
OCT17	---	---	---	---	---	---	---	---	25	---	---	---	
NOV17	---	---	---	---	---	---	---	---	25	---	---	---	
DEC17	---	---	---	---	---	---	---	---	75	---	---	---	
									175				
GRP THREE UNL GS (PLT) VS RBOB													
GULF CBOB A2 PL VS RBOB SPR F													
OCT17	---	---	---	---	---	---	---	---	35	---	---	---	
NOV17	---	---	---	---	---	---	---	---	20	---	---	---	
DEC17	---	---	---	---	---	---	---	---	20	---	---	---	
JAN18	---	---	---	---	---	---	---	---	20	---	---	---	
FEB18	---	---	---	---	---	---	---	---	5	---	---	---	
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GULF CO NO6 FUELOIL 3% V. EURO 3.5%													
AUG17	---	---	---	---	---	---	---	---	132	---	---	---	
SEP17	---	---	---	---	---	---	---	---	132	---	---	---	
OCT17	---	---	---	---	---	---	---	---	7	---	---	---	
NOV17	---	---	---	---	---	---	---	---	7	---	---	---	
DEC17	---	---	---	---	---	---	---	---	7	---	---	---	
									285				
GULF COAST 3% FUEL OIL BALMO													
GULF COAST HSFO (PLATTS) FUTURES													
AUG17	---	---	---	---	---	---	---	---	801	---	---	---	
SEP17	---	---	---	---	---	---	---	---	410	---	---	---	
OCT17	---	---	---	---	---	---	---	---	251	---	---	---	
NOV17	---	---	---	---	---	---	---	---	126	---	---	---	
DEC17	---	---	---	---	---	---	---	---	70	---	---	---	
JAN18	---	---	---	---	---	---	---	---	13	---	---	---	
FEB18	---	---	---	---	---	---	---	---	13	---	---	---	
MAR18	---	---	---	---	---	---	---	---	13	---	---	---	

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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
JUN19	---	---	---	---	---	---	---	---	---	18	---	---	---
JUL19	---	---	---	---	---	---	---	---	---	18	---	---	---
AUG19	---	---	---	---	---	---	---	---	---	18	---	---	---
SEP19	---	---	---	---	---	---	---	---	---	18	---	---	---
OCT19	---	---	---	---	---	---	---	---	---	18	---	---	---
NOV19	---	---	---	---	---	---	---	---	---	18	---	---	---
DEC19	---	---	---	---	---	---	---	---	---	18	---	---	---
JAN20	---	---	---	---	---	---	---	---	---	13	---	---	---
FEB20	---	---	---	---	---	---	---	---	---	13	---	---	---
MAR20	---	---	---	---	---	---	---	---	---	13	---	---	---
APR20	---	---	---	---	---	---	---	---	---	13	---	---	---
MAY20	---	---	---	---	---	---	---	---	---	13	---	---	---
JUN20	---	---	---	---	---	---	---	---	---	13	---	---	---
JUL20	---	---	---	---	---	---	---	---	---	13	---	---	---
AUG20	---	---	---	---	---	---	---	---	---	13	---	---	---
SEP20	---	---	---	---	---	---	---	---	---	13	---	---	---
OCT20	---	---	---	---	---	---	---	---	---	13	---	---	---
NOV20	---	---	---	---	---	---	---	---	---	13	---	---	---
DEC20	---	---	---	---	---	---	---	---	---	13	---	---	---
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GULF COAST JET FUEL CLNDR													
AUG17	---	---	---	---	---	---	---	---	---	34	---	---	---
SEP17	---	---	---	---	---	---	---	---	---	34	---	---	---
OCT17	---	---	---	---	---	---	---	---	---	29	---	---	---
NOV17	---	---	---	---	---	---	---	---	---	29	---	---	---
DEC17	---	---	---	---	---	---	---	---	---	29	---	---	---
JAN18	---	---	---	---	---	---	---	---	---	25	---	---	---
FEB18	---	---	---	---	---	---	---	---	---	33	---	---	---
MAR18	---	---	---	---	---	---	---	---	---	37	---	---	---
APR18	---	---	---	---	---	---	---	---	---	33	---	---	---
MAY18	---	---	---	---	---	---	---	---	---	39	---	---	---
JUN18	---	---	---	---	---	---	---	---	---	33	---	---	---
										355			
GULF COAST JET VS NYM 2 HO SPRD													
AUG17	---	---	---	---	---	---	---	---	---	632	---	---	---
SEP17	---	---	---	---	---	---	---	---	---	582	---	---	---
OCT17	---	---	---	---	---	---	---	---	---	370	---	---	---
NOV17	---	---	---	---	---	---	---	---	---	55	---	---	---
DEC17	---	---	---	---	---	---	---	---	---	55	---	---	---
JAN18	---	---	---	---	---	---	---	---	---	19	---	---	---
FEB18	---	---	---	---	---	---	---	---	---	19	---	---	---
MAR18	---	---	---	---	---	---	---	---	---	19	---	---	---
APR18	---	---	---	---	---	---	---	---	---	24	---	---	---
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JUN18	---	---	---	---	---	---	---	---	---	24	---	---	---
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GULF COAST NO.6 FUEL OIL CRACK													
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SEP17	---	---	---	---	---	---	---	---	---	48	---	---	---
OCT17	---	---	---	---	---	---	---	---	---	48	---	---	---
NOV17	---	---	---	---	---	---	---	---	---	48	---	---	---
DEC17	---	---	---	---	---	---	---	---	---	48	---	---	---
JAN18	---	---	---	---	---	---	---	---	---	28	---	---	---
FEB18	---	---	---	---	---	---	---	---	---	28	---	---	---
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NOV18	---	---	---	---	---	---	---	---	---	10	---	---	---
DEC18	---	---	---	---	---	---	---	---	---	10	---	---	---
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GULF COAST ULSO CRACK SPREAD													
GULF CST UNL 87 GAS M2 V. RBOB BLMO													
GULF UNL87 GAS M2 PLATTS F													
GULF UNL87 M2 PL VS RBOB SPR F													
AUG17	---	---	---	---	---	---	---	---	---	1015	---	---	---
SEP17	---	---	---	---	---	---	---	---	---	260	---	---	---
JAN18	---	---	---	---	---	---	---	---	---	8	---	---	---
FEB18	---	---	---	---	---	---	---	---	---	8	---	---	---
MAR18	---	---	---	---	---	---	---	---	---	8	---	---	---
APR18	---	---	---	---	---	---	---	---	---	8	---	---	---
MAY18	---	---	---	---	---	---	---	---	---	8	---	---	---
JUN18	---	---	---	---	---	---	---	---	---	8	---	---	---
JUL18	---	---	---	---	---	---	---	---	---	8	---	---	---
AUG18	---	---	---	---	---	---	---	---	---	8	---	---	---
SEP18	---	---	---	---	---	---	---	---	---	8	---	---	---
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NOV18	---	---	---	---	---	---	---	---	---	8	---	---	---
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HEATING OIL VS. BRENT CRACK SPREAD													
AUG17	---	---	---	---	---	---	---	---	---	10	---	---	---
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OCT17	---	---	---	---	---	---	---	---	---	10	---	---	---
NOV17	---	---	---	---	---	---	---	---	---	10	---	---	---
DEC17	---	---	---	---	---	---	---	---	---	10	---	---	---
JAN18	---	---	---	---	---	---	---	---	---	102	---	---	---
FEB18	---	---	---	---	---	---	---	---	---	102	---	---	---
MAR18	---	---	---	---	---	---	---	---	---	102	---	---	---
APR18	---	---	---	---	---	---	---	---	---	102	---	---	---
MAY18	---	---	---	---	---	---	---	---	---	102	---	---	---
JUN18	---	---	---	---	---	---	---	---	---	102	---	---	---
JUL18	---	---	---	---	---	---	---	---	---	102	---	---	---
AUG18	---	---	---	---	---	---	---	---	---	102	---	---	---
SEP18	---	---	---	---	---	---	---	---	---	102	---	---	---
OCT18	---	---	---	---	---	---	---	---	---	102	---	---	---
NOV18	---	---	---	---	---	---	---	---	---	102	---	---	---



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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	
JET AVIA FUEL(PLTT) CRGS FOB M												
								1274				
JET AVIA FUEL(PLTT) FOB V. ICE												
JET CIF NWE VS ICE												
AUG17	---	---	---	---	---	---	---	5	---	---	---	
SEP17	---	---	---	---	---	---	---	5	---	---	---	
JAN18	---	---	---	---	---	---	---	5	---	---	---	
FEB18	---	---	---	---	---	---	---	5	---	---	---	
MAR18	---	---	---	---	---	---	---	5	---	---	---	
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JET FUEL CRG CIF NEW VS ICE BLM												
JET FUEL UP-DOWN BALMO CLNDR S												
LA CARB DIESEL (OPIS)												
LA CARBOB GASOLINE(OPIS)												
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AUG17	---	---	---	---	---	---	---	25	---	---	---	
SEP17	---	---	---	---	---	---	---	60	---	---	---	
								85				
MIN ARGUS PROPANE SAUDI ARAMCO												
MIN EURO NPHTHA CIF NWE												
AUG17	---	---	---	---	---	---	---	53	---	---	---	
SEP17	---	---	---	---	---	---	---	20	---	---	---	
NOV17	---	---	---	---	---	---	---	40	---	---	---	
DEC17	---	---	---	---	---	---	---	20	---	---	---	
								133				
MIN GSL .1 PLTS CRGS CIFNWE VS GSL												
MIN JAPAN C&F NAPHTHA PLATTS												
MIN JETKERO CRGOS CIF NWE VS GASOIL												
MIN SPORE FUELOIL380CST(PLTS) BALMO												
MIN ULSD 10PPM CRGOS CIF MED VS GSL												
MIN ULSD 10PPM CRGS CIF NWE VS GSL												
MINI 1% FUEL OIL CAR MED												
MINI 3.5% FUEL OIL CAR MED												
MINI ARGUS PROPANE FAR EAST IDX												
AUG17	---	---	---	---	---	---	---	10	---	---	---	
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MINI EU 1%FO BARGE FOB RDAM FUT												
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MINI EU 3.5%FO BARGE FOB RDAM BALMO												
MINI EU 3.5%FO BARGE FOB RDAM FUT												
AUG17	---	---	---	---	---	---	---	200	---	---	---	
SEP17	---	---	---	---	---	---	---	8	---	---	---	
JAN19	---	---	---	---	---	---	---	5	---	---	---	
FEB19	---	---	---	---	---	---	---	5	---	---	---	
MAR19	---	---	---	---	---	---	---	5	---	---	---	
APR19	---	---	---	---	---	---	---	5	---	---	---	
MAY19	---	---	---	---	---	---	---	5	---	---	---	
JUN19	---	---	---	---	---	---	---	5	---	---	---	
JUL19	---	---	---	---	---	---	---	5	---	---	---	
AUG19	---	---	---	---	---	---	---	5	---	---	---	
SEP19	---	---	---	---	---	---	---	5	---	---	---	
OCT19	---	---	---	---	---	---	---	5	---	---	---	
NOV19	---	---	---	---	---	---	---	5	---	---	---	
DEC19	---	---	---	---	---	---	---	5	---	---	---	
								268				
MINI EUR DIESEL10PPM VS ICE GS												
MINI EURO NAPHTHA BALMO												
MINI GAS EUROBOB OXY BARGES												
JUL17	---	---	---	---	---	---	---	12	---	---	---	
AUG17	---	---	---	---	---	---	---	210	---	---	---	
SEP17	---	---	---	---	---	---	---	51	---	---	---	
								273				
MINI GAS EUROBOB OXY NWE ARGS BALMO												
MINI JAPAN NAPHTHA BALMO FUT												
MINI RBOB V. EBOB(ARGUS) NWE BRGS												
AUG17	---	---	---	---	---	---	---	90	---	---	---	
								90				
MINI RBOB V. EBOBARG NWE BRGS BALMO												
MINI SINGAPORE 380CST FUEL OIL												
AUG17	---	---	---	---	---	---	---	140	---	---	---	
SEP17	---	---	---	---	---	---	---	10	---	---	---	
								150				
MINI SINGAPORE FO 180 CST FUT												
AUG17	---	---	---	---	---	---	---	45	---	---	---	
								45				
MINI SINGAPORE GASOIL PLATS FUT												
AUG17	---	---	---	---	---	---	---	10	---	---	---	
								10				
MOGAS92 UNLEADED (PLATTS)												
OCT17	---	---	---	---	---	---	---	200	---	---	---	
NOV17	---	---	---	---	---	---	---	200	---	---	---	
								400				
MOGAS92 UNLEADED (PLTS) BLM SW												
MT BELVIEU LDH ISO-BUTANE(OPIS)												
NAPHTHA (PLATTS) NWE CRACK												
AUG17	---	---	---	---	---	---	---	16	---	---	---	

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PG61	BULLETIN #140@	ENERGY FUTURES PRODUCTS								Mon, Jul 24, 2017			PG61
	DELIVERY----- CASH OR PHY SETTLED	MONTH- TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK DAILY TOTAL	TAS DAILY TOTAL	TAS DAILY TOTAL	
NY1% VS GC SPREAD													
									17				
NYH NO 2 CRACK SPREAD CAL													
AUG17	---	---	---	---	---	---	---	---	46	---	---	---	
SEP17	---	---	---	---	---	---	---	---	46	---	---	---	
OCT17	---	---	---	---	---	---	---	---	46	---	---	---	
NOV17	---	---	---	---	---	---	---	---	46	---	---	---	
DEC17	---	---	---	---	---	---	---	---	46	---	---	---	
JAN18	---	---	---	---	---	---	---	---	25	---	---	---	
FEB18	---	---	---	---	---	---	---	---	25	---	---	---	
MAR18	---	---	---	---	---	---	---	---	25	---	---	---	
APR18	---	---	---	---	---	---	---	---	25	---	---	---	
MAY18	---	---	---	---	---	---	---	---	25	---	---	---	
JUN18	---	---	---	---	---	---	---	---	25	---	---	---	
JUL18	---	---	---	---	---	---	---	---	25	---	---	---	
AUG18	---	---	---	---	---	---	---	---	25	---	---	---	
SEP18	---	---	---	---	---	---	---	---	25	---	---	---	
OCT18	---	---	---	---	---	---	---	---	25	---	---	---	
NOV18	---	---	---	---	---	---	---	---	25	---	---	---	
DEC18	---	---	---	---	---	---	---	---	25	---	---	---	
									530				
NYMEX HEATING OIL FUTURES													
NYMEX NY HARBOR HEAT OIL CLNDR													
AUG17	---	---	---	---	---	---	---	---	121	---	---	---	
SEP17	---	---	---	---	---	---	---	---	113	---	---	---	
OCT17	---	---	---	---	---	---	---	---	67	---	---	---	
NOV17	---	---	---	---	---	---	---	---	145	---	---	---	
DEC17	---	---	---	---	---	---	---	---	67	---	---	---	
JAN18	---	---	---	---	---	---	---	---	12	---	---	---	
FEB18	---	---	---	---	---	---	---	---	12	---	---	---	
MAR18	---	---	---	---	---	---	---	---	12	---	---	---	
APR18	---	---	---	---	---	---	---	---	12	---	---	---	
MAY18	---	---	---	---	---	---	---	---	12	---	---	---	
JUN18	---	---	---	---	---	---	---	---	12	---	---	---	
JUL18	---	---	---	---	---	---	---	---	4	---	---	---	
AUG18	---	---	---	---	---	---	---	---	4	---	---	---	
SEP18	---	---	---	---	---	---	---	---	4	---	---	---	
OCT18	---	---	---	---	---	---	---	---	4	---	---	---	
NOV18	---	---	---	---	---	---	---	---	4	---	---	---	
DEC18	---	---	---	---	---	---	---	---	4	---	---	---	
JAN20	---	---	---	---	---	---	---	---	79	---	---	---	
FEB20	---	---	---	---	---	---	---	---	79	---	---	---	
MAR20	---	---	---	---	---	---	---	---	79	---	---	---	
APR20	---	---	---	---	---	---	---	---	79	---	---	---	
MAY20	---	---	---	---	---	---	---	---	79	---	---	---	
JUN20	---	---	---	---	---	---	---	---	79	---	---	---	
JUL20	---	---	---	---	---	---	---	---	79	---	---	---	
AUG20	---	---	---	---	---	---	---	---	79	---	---	---	
SEP20	---	---	---	---	---	---	---	---	79	---	---	---	
OCT20	---	---	---	---	---	---	---	---	79	---	---	---	
NOV20	---	---	---	---	---	---	---	---	79	---	---	---	
DEC20	---	---	---	---	---	---	---	---	79	---	---	---	
									1557				
NYMEX RBOB GASOLINE FUTURES													
NYM-SINGAPORE FUEL OIL 380CST CRK S													
PREMIUM UNLD 10P FOB MED													
RBOB CALENDAR FUTURE													
AUG17	---	---	---	---	---	---	---	---	831	---	---	---	
									831				
RBOB CRACK SPREAD													
RBOB GAS VS EUROBOB(ARGUS) NWE BRGS													
AUG17	---	---	---	---	---	---	---	---	5	---	---	---	
SEP17	---	---	---	---	---	---	---	---	5	---	---	---	
									10				
RBOB GAS VS. BRENT CRCK SPRD													
AUG17	---	---	---	---	---	---	---	---	110	---	---	---	
									110				
RBOB GASOLINE BALMO CLNDR													
RBOB SPREAD (PLATTS)													
RBOB VS HEATING OIL													
MAR18	---	---	---	---	---	---	---	---	150	---	---	---	
									150				
SING 380 FUEL OIL VS FUEL OIL ROTDM													
OCT17	---	---	---	---	---	---	---	---	8	---	---	---	
NOV17	---	---	---	---	---	---	---	---	8	---	---	---	
DEC17	---	---	---	---	---	---	---	---	8	---	---	---	
									24				
SINGAPORE 180CST BALMO													
SINGAPORE 380CST BALMO													
SINGAPORE 380CST FUEL OIL													
AUG17	---	---	---	---	---	---	---	---	168	---	---	---	
SEP17	---	---	---	---	---	---	---	---	70	---	---	---	
OCT17	---	---	---	---	---	---	---	---	20	---	---	---	
									258				
SINGAPORE FUEL 180CST CAL													
AUG17	---	---	---	---	---	---	---	---	50	---	---	---	
SEP17	---	---	---	---	---	---	---	---	5	---	---	---	
									55				
SINGAPORE FUEL OIL SPREAD													
AUG17	---	---	---	---	---	---	---	---	9	---	---	---	
SEP17	---	---	---	---	---	---	---	---	9	---	---	---	
									18				
SINGAPORE GASOIL													
AUG17	---	---	---	---	---	---	---	---	6	---	---	---	

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	DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	EFP DAILY TOTALS	EFB 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
DEC17	---	---	---	---	---	---	---	---	15	---	---	---
SINGAPORE JET KEROSENE												
AUG17	---	---	---	---	---	---	---	---	50	---	---	---
SINGAPORE MOGAS 95												
SINGAPORE GASOIL 10PPM V GSOLSPD FUT												
SPORE FUEL OIL 180CST 6.35 DUBAI CK												
SPORE FUEL OIL 380CST 6.35 DUBAI CK												
SPORE MOGAS92 UNLD BRENT SPRD												
AUG17	---	---	---	---	---	---	---	---	8	---	---	---
SEP17	---	---	---	---	---	---	---	---	8	---	---	---
OCT17	---	---	---	---	---	---	---	---	8	---	---	---
NOV17	---	---	---	---	---	---	---	---	8	---	---	---
DEC17	---	---	---	---	---	---	---	---	8	---	---	---
									40			
ULSD 10P CRG CIF NW VS ICE BL												
ULSD 10PPM CIF MED VS ICE GAS												
ULSD 10PPM CIF NW BALMO												
ULSD UP-DOWN BALMO												
UP DOWN GC ULSD VS NMX HO SPRD												
AUG17	---	---	---	---	---	---	---	---	866	---	---	---
SEP17	---	---	---	---	---	---	---	---	141	---	---	---
OCT17	---	---	---	---	---	---	---	---	181	---	---	---
NOV17	---	---	---	---	---	---	---	---	106	---	---	---
DEC17	---	---	---	---	---	---	---	---	106	---	---	---
JAN18	---	---	---	---	---	---	---	---	6	---	---	---
FEB18	---	---	---	---	---	---	---	---	6	---	---	---
MAR18	---	---	---	---	---	---	---	---	6	---	---	---
APR18	---	---	---	---	---	---	---	---	5	---	---	---
MAY18	---	---	---	---	---	---	---	---	5	---	---	---
JUN18	---	---	---	---	---	---	---	---	5	---	---	---
JUL18	---	---	---	---	---	---	---	---	5	---	---	---
AUG18	---	---	---	---	---	---	---	---	5	---	---	---
SEP18	---	---	---	---	---	---	---	---	5	---	---	---
OCT18	---	---	---	---	---	---	---	---	5	---	---	---
NOV18	---	---	---	---	---	---	---	---	5	---	---	---
DEC18	---	---	---	---	---	---	---	---	5	---	---	---
JAN19	---	---	---	---	---	---	---	---	10	---	---	---
FEB19	---	---	---	---	---	---	---	---	10	---	---	---
MAR19	---	---	---	---	---	---	---	---	10	---	---	---
APR19	---	---	---	---	---	---	---	---	10	---	---	---
MAY19	---	---	---	---	---	---	---	---	10	---	---	---
JUN19	---	---	---	---	---	---	---	---	10	---	---	---
JUL19	---	---	---	---	---	---	---	---	10	---	---	---
AUG19	---	---	---	---	---	---	---	---	10	---	---	---
SEP19	---	---	---	---	---	---	---	---	10	---	---	---
OCT19	---	---	---	---	---	---	---	---	10	---	---	---
NOV19	---	---	---	---	---	---	---	---	10	---	---	---
DEC19	---	---	---	---	---	---	---	---	10	---	---	---
									1583			

NGL PETROCHEM EX-PIT BREAKDOWN

	DELIVERY CASH OR SETTLED	PHY MONTH- TO-DATE	EFP DAILY TOTALS	EFB 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 FAR E NDX VS EUR CIF ARA												
ARGUS PROPAN FAR EST INDEX												
AUG17	---	---	---	---	---	---	---	---	25	---	---	---
SEP17	---	---	---	---	---	---	---	---	18	---	---	---
DEC17	---	---	---	---	---	---	---	---	8	---	---	---
FEB18	---	---	---	---	---	---	---	---	8	---	---	---
									59			
ARGUS PROPAN(SAUDI ARAMCO)												
AUG17	---	---	---	---	---	---	---	---	28	---	---	---
SEP17	---	---	---	---	---	---	---	---	62	---	---	---
OCT17	---	---	---	---	---	---	---	---	10	---	---	---
									100			
ARGUS PROPANE FAR E INDX BALMO												
CONWAY NAT GASOLINE												
CONWAY NORMAL BUTANE												
AUG17	---	---	---	---	---	---	---	---	20	---	---	---
									20			
CONWAY PROPANE (OPIS) BALMO												
CONWAY PROPANE 5 DEC.												
AUG17	---	---	---	---	---	---	---	---	80	---	---	---
SEP17	---	---	---	---	---	---	---	---	243	---	---	---
OCT17	---	---	---	---	---	---	---	---	120	---	---	---
NOV17	---	---	---	---	---	---	---	---	312	---	---	---
DEC17	---	---	---	---	---	---	---	---	92	---	---	---
JAN18	---	---	---	---	---	---	---	---	259	---	---	---
FEB18	---	---	---	---	---	---	---	---	194	---	---	---
MAR18	---	---	---	---	---	---	---	---	73	---	---	---
									1373			
EUR PROPANE CIF ARA ARGUS BALMO												
EURO PROPANE CIF ARA												
AUG17	---	---	---	---	---	---	---	---	7	---	---	---
SEP17	---	---	---	---	---	---	---	---	5	---	---	---
									12			
MT BELIVIEU LDH PROPANE BALMO												
MT BELIVIEU NAT GASOLINE BALMO												
MT BELIVIEU NORMAL BUTANE BALM												



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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
SEP18	---	---	---	---	---	---	---	---	145	---	---	---
OCT18	---	---	---	---	---	---	---	---	135	---	---	---
NOV18	---	---	---	---	---	---	---	---	135	---	---	---
DEC18	---	---	---	---	---	---	---	---	135	---	---	---
JAN19	---	---	---	---	---	---	---	---	10	---	---	---
FEB19	---	---	---	---	---	---	---	---	10	---	---	---
MAR19	---	---	---	---	---	---	---	---	10	---	---	---
APR19	---	---	---	---	---	---	---	---	30	---	---	---
MAY19	---	---	---	---	---	---	---	---	30	---	---	---
JUN19	---	---	---	---	---	---	---	---	30	---	---	---
JUL19	---	---	---	---	---	---	---	---	30	---	---	---
AUG19	---	---	---	---	---	---	---	---	30	---	---	---
SEP19	---	---	---	---	---	---	---	---	30	---	---	---
OCT19	---	---	---	---	---	---	---	---	30	---	---	---
NOV19	---	---	---	---	---	---	---	---	30	---	---	---
DEC19	---	---	---	---	---	---	---	---	30	---	---	---
									705			
MT BELVIEU ETHYLENE (PCW) BALMO												
MT BELVIEU ETHYLENE (PCW) FINCL												
AUG17	---	---	---	---	---	---	---	---	88	---	---	---
SEP17	---	---	---	---	---	---	---	---	88	---	---	---
OCT17	---	---	---	---	---	---	---	---	18	---	---	---
NOV17	---	---	---	---	---	---	---	---	18	---	---	---
DEC17	---	---	---	---	---	---	---	---	18	---	---	---
									230			
MT BELVIEU ETHYLENE IN-WELL (PCW)												
JUL17	---	---	---	---	---	---	---	---	35	---	---	---
AUG17	---	---	---	---	---	---	---	---	45	---	---	---
SEP17	---	---	---	---	---	---	---	---	45	---	---	---
OCT17	---	---	---	---	---	---	---	---	40	---	---	---
NOV17	---	---	---	---	---	---	---	---	10	---	---	---
DEC17	---	---	---	---	---	---	---	---	10	---	---	---
									185			
MT BELVIEU ISO BUTANE 5 DEC. S												
JUL18	---	---	---	---	---	---	---	---	11	---	---	---
AUG18	---	---	---	---	---	---	---	---	11	---	---	---
SEP18	---	---	---	---	---	---	---	---	11	---	---	---
OCT18	---	---	---	---	---	---	---	---	11	---	---	---
NOV18	---	---	---	---	---	---	---	---	11	---	---	---
DEC18	---	---	---	---	---	---	---	---	11	---	---	---
JAN19	---	---	---	---	---	---	---	---	22	---	---	---
FEB19	---	---	---	---	---	---	---	---	22	---	---	---
MAR19	---	---	---	---	---	---	---	---	22	---	---	---
APR19	---	---	---	---	---	---	---	---	22	---	---	---
MAY19	---	---	---	---	---	---	---	---	22	---	---	---
JUN19	---	---	---	---	---	---	---	---	22	---	---	---
JUL19	---	---	---	---	---	---	---	---	22	---	---	---
AUG19	---	---	---	---	---	---	---	---	22	---	---	---
SEP19	---	---	---	---	---	---	---	---	22	---	---	---
OCT19	---	---	---	---	---	---	---	---	22	---	---	---
NOV19	---	---	---	---	---	---	---	---	22	---	---	---
DEC19	---	---	---	---	---	---	---	---	22	---	---	---
									330			
MT BELVIEU NAT GAS 5-DCML (OPIS)												
AUG17	---	---	---	---	---	---	---	---	361	---	---	---
SEP17	---	---	---	---	---	---	---	---	361	---	---	---
OCT17	---	---	---	---	---	---	---	---	386	---	---	---
NOV17	---	---	---	---	---	---	---	---	361	---	---	---
DEC17	---	---	---	---	---	---	---	---	361	---	---	---
									1830			
MT BELVIEU NORMAL BUTANE LDH(OPIS)												
MT BELVIEU NRM BUTANE 5-DCML (OPIS)												
AUG17	---	---	---	---	---	---	---	---	376	---	---	---
SEP17	---	---	---	---	---	---	---	---	206	---	---	---
OCT17	---	---	---	---	---	---	---	---	230	---	---	---
NOV17	---	---	---	---	---	---	---	---	230	---	---	---
DEC17	---	---	---	---	---	---	---	---	255	---	---	---
JAN18	---	---	---	---	---	---	---	---	120	---	---	---
FEB18	---	---	---	---	---	---	---	---	120	---	---	---
MAR18	---	---	---	---	---	---	---	---	160	---	---	---
JUL18	---	---	---	---	---	---	---	---	11	---	---	---
AUG18	---	---	---	---	---	---	---	---	11	---	---	---
SEP18	---	---	---	---	---	---	---	---	11	---	---	---
OCT18	---	---	---	---	---	---	---	---	11	---	---	---
NOV18	---	---	---	---	---	---	---	---	11	---	---	---
DEC18	---	---	---	---	---	---	---	---	11	---	---	---
JAN19	---	---	---	---	---	---	---	---	22	---	---	---
FEB19	---	---	---	---	---	---	---	---	22	---	---	---
MAR19	---	---	---	---	---	---	---	---	22	---	---	---
APR19	---	---	---	---	---	---	---	---	22	---	---	---
MAY19	---	---	---	---	---	---	---	---	22	---	---	---
JUN19	---	---	---	---	---	---	---	---	22	---	---	---
JUL19	---	---	---	---	---	---	---	---	22	---	---	---
AUG19	---	---	---	---	---	---	---	---	22	---	---	---
SEP19	---	---	---	---	---	---	---	---	22	---	---	---
OCT19	---	---	---	---	---	---	---	---	22	---	---	---
NOV19	---	---	---	---	---	---	---	---	22	---	---	---
DEC19	---	---	---	---	---	---	---	---	22	---	---	---
									2027			
MT BELVIEU PROPANE 5-DCML (OPIS)												
AUG17	---	---	---	---	---	---	---	---	469	---	---	---
SEP17	---	---	---	---	---	---	---	---	807	---	---	---
OCT17	---	---	---	---	---	---	---	---	158	---	---	---
NOV17	---	---	---	---	---	---	---	---	159	---	---	---
DEC17	---	---	---	---	---	---	---	---	155	---	---	---
JAN18	---	---	---	---	---	---	---	---	272	---	---	---
FEB18	---	---	---	---	---	---	---	---	332	---	---	---
MAR18	---	---	---	---	---	---	---	---	287	---	---	---
APR18	---	---	---	---	---	---	---	---	240	---	---	---
MAY18	---	---	---	---	---	---	---	---	240	---	---	---
JUN18	---	---	---	---	---	---	---	---	240	---	---	---
JUL18	---	---	---	---	---	---	---	---	25	---	---	---
AUG18	---	---	---	---	---	---	---	---	25	---	---	---

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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
JUN19	---	---	---	---	---	---	---	---	25	---	---
DEC19	---	---	---	---	---	---	---	---	9	---	---
									3443		
PROPANE NON LDH MT BELVIEU											
AUG17	---	---	---	---	---	---	---	---	62	---	---
OCT17	---	---	---	---	---	---	---	---	35	---	---
									97		
PROPANE NON LDH MT BLV BALMO											

ETHANOL 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
CHICAGO ETHANOL											
AUG17	---	---	---	---	---	---	---	---	912	---	---
SEP17	---	---	---	---	---	---	---	---	929	---	---
OCT17	---	---	---	---	---	---	---	---	615	---	---
NOV17	---	---	---	---	---	---	---	---	90	---	---
DEC17	---	---	---	---	---	---	---	---	25	---	---
JAN18	---	---	---	---	---	---	---	---	90	---	---
FEB18	---	---	---	---	---	---	---	---	25	---	---
MAR18	---	---	---	---	---	---	---	---	25	---	---
									2711		
ETHANOL(PL) T2 FOB RTRDM INCL											
JUL17	---	---	---	---	---	---	---	---	20	---	---
AUG17	---	---	---	---	---	---	---	---	10	---	---
									30		
NEW YORK ETHANOL											
AUG17	---	---	---	---	---	---	---	---	50	---	---
									50		

ELECTRICITY 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
AEP-DAYTON HUB DAILY											
AEP-DAYTON HUB OFF-PEAK MONTHLY											
AER-DAYTON HUB MTHLY											
CAISO SP15 EZGNHUB5 MW P DAY A											
CAISO SP15 EZGNHUB5 PEAK CLN D											
CIN HUB 5MW D AH O PK											
CIN HUB 5MW D AH PK											
CIN HUB 5MW REAL TIME O PK											
CIN HUB 5MW REAL TIME PK											
CINERGY HUB OFF-PEAK MONTH											
CINERGY HUB PEAK MONTH											
ERCOT HSTN Z MCPE 5 MW PEAK SW											
ERCOT NORTH 345 KV HUB DAY AHEAD PK											
ERCOT NRTH Z MCPE 5 MW PEAK SW											
ISO NEW ENG MASS HUB DA OP DAILY											
ISO NEW ENGLAND OFF-PEAK LMP											
ISO NEW ENGLAND PEAK LMP											
MIDWEST ISO MICHIGAN HUB 5MW PEAK C											
MISO INDIANA HUB 5MW OFPK CALDAY DA											
MISO INDIANA HUB 5MW OFPK CALDAY RT											
MISO INDIANA HUB 5MW PK CAL DAYHD											
MISO INDIANA HUB 5MW PK CAL-DAY RT											
MISO MICHIGAN HUB OF-PK DA MONTHLY											
N ILLINOIS HUB DAILY											
N ILLINOIS HUB MTHLY											
NEPOOL CNCTCT 5MW D AH O PK											
NEPOOL CONECTIC 5MW D AH PK											
NEPOOL INTR HUB 5MW D AH O PK											
NEPOOL INTR HUB 5MW D AH PK											
NEPOOL RHD ISLD 5MW D AH PK											
NEPOOL RHODE IL 5MW D AH O PK											
NEPOOL W CNT MASS 5MW D AH O PK											
NEPOOL W CNTR M 5MW D AH PK											
NEW ENGLAND HUB PEAK DAILY											
NEW YORK HUB ZONE G PEAK DAILY											
NEW YORK HUB ZONE J PEAK DAILY											
NYISO J											
NYISO J OFF-PEAK											
NYISO LOW HUD VAL CAP FUT											
NYISO NYC IN-CITY CAPACITY CAL MO											
NYISO REST OF STATE CAPACITY CAL MO											
NYISO ZONE A 5MW D AH O PK											
NYISO ZONE A 5MW D AH PK											
NYISO ZONE A DA OP DAILY											
NYISO ZONE A LBMP FUTURE											
NYISO ZONE E 5MW DAY AHEAD OFF-PEAK											

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ENERGY FUTURES PRODUCTS

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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
NYISO ZONE G DA OP DAILY									
NYISO ZONE J 5MW D AH O PK									
NYISO ZONE J 5MW D AH PK									
NYISO ZONE J DA OP DAILY									
ONTARIO OFF-PK CALENDAR DAY FUT									
ONTARIO OFF-PK CAL-MO FUT									
ONTARIO PEAK CAL-DAY FUT									
ONTARIO PEAK CAL-MONTH FUT									
PJM AD HUB 5MW REAL TIME O PK									
PJM AD HUB 5MW REAL TIME PK									
PJM AEP DAYTON HUB DA OP DAILY									
PJM AEP DAYTON HUB DA PEAK DAILY									
PJM AEP DAYTON HUB RT OP DAILY									
PJM ASTI ZONE PEAK DA MO									
PJM ATSI ZONE MONTHLY DAILY									
PJM BGE DA OFF-PEAK									
PJM BGE DA PEAK									
PJM COMED 5MW D AH O PK									
PJM COMED 5MW D AH PK									
PJM DAILY									
PJM DAYTON DA OFF-PEAK									
PJM DAYTON DA PEAK									
PJM METED ZONE OFFPK CAL LMP									
PJM METED ZONE PEAK CAL LMP									
PJM MONTHLY									
PJM NI HUB 5MW REAL TIME O PK									
PJM NI HUB 5MW REAL TIME PK									
PJM NILL DA OFF-PEAK									
PJM NILL DA PEAK									
PJM NORTERN ILL HUB DA OP DAILY									
PJM NORTERN ILL HUB DA PEAK DAILY									
PJM NORTERN ILL HUB RT OP DAILY									
PJM OFF-PEAK LMP FUTURE									
PJM PSEG DA OFF-PEAK									
PJM PSEG DA PEAK									
PJM WESTERN HUB DA OP DAILY FUT									
PJM WESTERN HUB DA PEAK DAILY									
PJM WESTERN HUB RT OP DAILY									
PJM WESTH DA OFF-PEAK									
PJM WESTH RT OFF-PEAK									
PJM WESTH RT PEAK									
PJM WESTHDA PEAK									

COAL EX-PIT BREAKDOWN

DELIVERY----- CASH OR PHY MONTH- SETTLED TO-DATE	EFP DAILY TOTALS	EFS DAILY TOTALS	SUBS DAILY TOTALS	EFM DAILY TOTALS	EFR DAILY TOTALS	EFB DAILY TOTALS	BLOCKS DAILY TOTAL	BLOCK TAS DAILY TOTAL	TAS DAILY TOTAL
AUSTRALIAN COKING (PLATTS) LOW VOL									
COAL API2 CIF ARA ARG-MCCLOSKEY									
AUG17	---	---	---	---	---	---	80	---	---
SEP17	---	---	---	---	---	---	80	---	---
OCT17	---	---	---	---	---	---	25	---	---
NOV17	---	---	---	---	---	---	25	---	---
DEC17	---	---	---	---	---	---	25	---	---
JAN18	---	---	---	---	---	---	16	---	---
FEB18	---	---	---	---	---	---	16	---	---
MAR18	---	---	---	---	---	---	16	---	---
APR18	---	---	---	---	---	---	16	---	---
MAY18	---	---	---	---	---	---	16	---	---
JUN18	---	---	---	---	---	---	16	---	---
JUL18	---	---	---	---	---	---	16	---	---
AUG18	---	---	---	---	---	---	16	---	---
SEP18	---	---	---	---	---	---	16	---	---
OCT18	---	---	---	---	---	---	16	---	---
NOV18	---	---	---	---	---	---	16	---	---
DEC18	---	---	---	---	---	---	16	---	---
JAN19	---	---	---	---	---	---	10	---	---
FEB19	---	---	---	---	---	---	10	---	---
MAR19	---	---	---	---	---	---	10	---	---
APR19	---	---	---	---	---	---	10	---	---
MAY19	---	---	---	---	---	---	10	---	---
JUN19	---	---	---	---	---	---	10	---	---
JUL19	---	---	---	---	---	---	10	---	---
AUG19	---	---	---	---	---	---	10	---	---
SEP19	---	---	---	---	---	---	10	---	---
OCT19	---	---	---	---	---	---	10	---	---
NOV19	---	---	---	---	---	---	10	---	---
DEC19	---	---	---	---	---	---	10	---	---
							547		
COAL API4 RCH BAY ARGS MCCLOSKEY SW									
JUL17	---	---	---	---	---	---	10	---	---
AUG17	---	---	---	---	---	---	25	---	---
SEP17	---	---	---	---	---	---	20	---	---
OCT17	---	---	---	---	---	---	5	---	---
NOV17	---	---	---	---	---	---	5	---	---
DEC17	---	---	---	---	---	---	5	---	---
							70		

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EASTERN RAIL DELIVERY CSX COAL									
WESTERN RAIL DELIVERY PRB COAL									

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									

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									
AUG17 --- --- --- --- --- --- --- 1 --- ---									
OCT17 --- --- --- --- --- --- --- 1 --- ---									
DECL17 --- --- --- --- --- --- --- 6 --- ---									
							8		

TRADE AT MARKER PRODUCTS

			VOLUME	BLOCK VOL	MARKER PRICE
BZL	BZL	BRENT CRUDE TAM LONDON			
SEP17			----	----	47.82
OCT17			----	----	48.08
NOV17			----	----	48.37
TOTAL	BRENT CRUDE TAM LONDON		----	----	
BZS	BZS	BRENT CRUDE TAM SINGAPORE			
SEP17			----	----	47.82
OCT17			----	----	48.08
NOV17			----	----	48.37
TOTAL	BRENT CRUDE TAM SINGAPORE		----	----	
CLL	CLL	CRUDE OIL TRADE AT MARKER LONDON			
SEP17			----	----	45.55
OCT17			----	----	45.74
NOV17			----	----	45.98
TOTAL	CRUDE OIL TRADE AT MARKER LONDON		----	----	
CLS	CLS	CRUDE OIL TRADE AT MARKER SINGAPORE			
SEP17			----	----	45.55
OCT17			----	----	45.74
NOV17			----	----	45.98
TOTAL	CRUDE OIL TRADE AT MARKER SINGAPORE		----	----	
HOL	HOL	HEATING OIL TAM AT LONDON			
AUG17			----	----	1.5216
SEP17			----	----	1.5264
OCT17			----	----	1.5328
TOTAL	HEATING OIL TAM AT LONDON		----	----	
RBL	RBL	RBOB GASOLINE TAM LONDON			
AUG17			----	----	1.5655
SEP17			----	----	1.54
OCT17			----	----	1.4346
TOTAL	RBOB GASOLINE TAM LONDON		----	----	