

## NYMEX/COMEX Exchange ADV Report - Monthly

August 2017

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Commodity		ADV AUG 2017	ADV AUG 2016	% CHG	ADV JUL 2017	% CHG	ADV Y.T.D 2017	ADV Y.T.D 2016	% CHG
<b>Metals Futures</b>									
COMEX GOLD	GC	296,035	190,776.48	55.2%	297,851.9	-0.6%	268,706	232,720.15	15.5%
NYMEX HOT ROLLED STEEL	HR	318	217.65	46.1%	331.95	-4.2%	229	227.39	0.8%
NYMEX PLATINUM	PL	17,169	12,097.65	41.9%	16,053.1	7.0%	18,026	14,593.63	23.5%
PALLADIUM	PA	7,137	7,384.87	-3.4%	4,136.25	72.5%	6,004	5,617.17	6.9%
URANIUM	UX	10	0	-	14.3	-29.5%	27	38.65	-31.4%
COMEX SILVER	SI	113,246	84,318.78	34.3%	91,485.9	23.8%	92,563	72,923.45	26.9%
COMEX E-Mini GOLD	QO	298	345.91	-13.7%	360.75	-17.3%	393	527.57	-25.6%
COMEX E-Mini SILVER	QI	35	70.35	-50.9%	45.75	-24.4%	43	60.58	-29.3%
COMEX COPPER	HG	128,043	81,563.3	57.0%	87,025.05	47.1%	101,105	81,945.75	23.4%
COMEX MINY COPPER	QC	29	18.13	61.6%	18.5	58.4%	37	26.98	35.7%
ALUMINUM	A38	0	0.91	-100.0%	0	-	0	0.42	-57.7%
ALUMINUM	AEP	180	62.61	187.5%	36	400.0%	131	53.39	144.5%
ALUMINUM	ALA	87	0	-	12.5	592.2%	15	0	-
ALUMINUM	ALI	2	29.04	-92.1%	16.6	-86.1%	33	30.13	9.8%
ALUMINUM	AUP	324	215.78	50.0%	236.6	36.8%	352	287.87	22.2%
ALUMINUM	EDP	183	68.7	165.8%	24	660.9%	52	24.23	114.5%
ALUMINUM	MJP	74	37.39	98.8%	132.7	-44.0%	60	32.88	81.9%
COPPER	HGS	19	20.13	-6.5%	1.1	1611.5%	8	19.65	-57.0%
E-MICRO GOLD	MGC	4,664	2,454.87	90.0%	4,072.8	14.5%	4,246	4,309.36	-1.5%
FERROUS PRODUCTS	BUS	10	1.74	450.0%	1.5	537.7%	4	3.27	36.4%
GOLD	GPS	0	0	-	0.05	-100.0%	0	0	-
Gold Kilo	GCK	13	177.52	-92.8%	12.9	-0.9%	17	238.22	-92.9%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	77	0	-	203.5	-62.2%	48	14.7	223.2%
IRON ORE 62 CHINA TSI FUTURES	TIO	311	570.13	-45.5%	224.15	38.6%	465	812.18	-42.8%
LNDN ZINC	ZNC	0	0.61	-100.0%	0	-	1	1.19	-57.5%
METALS	LED	0	0.43	-100.0%	0	-	0	0.09	-100.0%
SILVER	SIL	478	502.26	-4.9%	271.55	75.9%	285	421.2	-32.4%
<b>Metals Options</b>									
COMEX COPPER	HX	454	145.7	211.3%	299.45	51.5%	232	134.91	72.2%
COMEX GOLD	OG	43,476	26,260.17	65.6%	39,470.6	10.1%	39,115	38,023.13	2.9%
COMEX SILVER	SO	7,485	5,451.26	37.3%	6,569.35	13.9%	5,855	5,511.73	6.2%
GOLD	OG1	227	75.52	200.7%	149.6	51.8%	145	52.71	175.7%
GOLD	OG2	322	41.17	681.9%	148.8	116.4%	163	54.98	197.2%

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GOLD	OG3	168	14.83	1032.0%	84.5	98.6%	172	41.33	317.0%
GOLD	OG4	103	16.48	524.5%	128.4	-19.8%	81	28.86	180.5%
GOLD	OG5	0	0	-	0	-	34	14.5	137.7%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	207	100.35	105.8%	15	1276.8%	79	211.36	-62.8%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	196	34.78	462.5%	129	51.7%	129	143.96	-10.3%
NYMEX PLATINUM	PO	189	295.78	-36.1%	161.95	16.6%	133	205.29	-35.3%
PALLADIUM	PAO	585	213.48	174.0%	336.55	73.8%	270	157.13	71.9%
SILVER	SO1	1	0.43	90.0%	0.7	18.0%	3	0.13	2364.6%
SILVER	SO2	0	0	-	1.2	-78.3%	1	0.01	19146.7%
SILVER	SO3	0	0	-	0	-	3	1.19	188.5%
SILVER	SO4	0	0.43	-100.0%	0.85	-100.0%	1	0.12	469.7%
SILVER	SO5	0	0	-	0	-	0	0.04	-49.9%
<b>Energy Futures</b>									
CRUDE OIL PHY	CL	1,509,803	1,002,195.91	50.6%	1,380,905.05	9.3%	1,247,684	1,059,887.92	17.7%
CRUDE OIL	WS	248	105.3	135.5%	285.2	-13.0%	266	468.3	-43.2%
MINY WTI CRUDE OIL	QM	13,231	11,669.57	13.4%	12,711.15	4.1%	12,616	13,775.05	-8.4%
BRENT OIL LAST DAY	BZ	93,001	75,668.43	22.9%	71,749.8	29.6%	94,753	94,998.8	-0.3%
HEATING OIL PHY	HO	206,951	150,216.17	37.8%	180,054.35	14.9%	173,304	155,246.55	11.6%
HTG OIL	BH	2	0	-	1.8	20.8%	1	32.15	-96.0%
MINY HTG OIL	QH	0	0.48	-72.7%	0.2	-34.8%	0	0.49	-74.7%
RBOB PHY	RB	252,334	179,755.57	40.4%	203,288.4	24.1%	208,044	180,191.18	15.5%
MINY RBOB GAS	QU	0	0.3	-42.9%	0.15	15.9%	0	0.2	2.9%
NATURAL GAS	HP	4,172	6,027.52	-30.8%	5,973.3	-30.2%	6,940	5,997.17	15.7%
LTD NAT GAS	HH	12,075	10,059.35	20.0%	12,742	-5.2%	13,998	10,951.85	27.8%
MINY NATURAL GAS	QG	728	1,063.91	-31.6%	828.3	-12.1%	1,198	1,182.03	1.4%
PJM MONTHLY	JM	0	0	-	0	-	1	17.25	-95.9%
NATURAL GAS PHY	NG	354,755	369,866.87	-4.1%	375,764.15	-5.6%	409,539	361,414.65	13.3%
RBOB GAS	RT	140	66.61	109.6%	259.1	-46.1%	114	62.1	83.7%
3.5% FUEL OIL CID MED SWA	7D	0	16.96	-97.4%	0.25	73.9%	5	12.74	-58.6%
3.5% FUEL OIL CIF BALMO S	8D	0	1.96	-88.9%	0	-	1	1.25	-16.7%
AEP-DAYTON HUB DAILY	VD	0	0	-	0	-	0	0	-
AEP-DAYTON HUB MTHLY	VM	0	0	-	0	-	0	1.43	-100.0%

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AEP-DAYTON HUB OFF-PEAK M	VP	0	0	-	0	-	0	0	-
ALGON CITY GATES NAT GAS	N7	0	10.43	-100.0%	0	-	0	35.6	-100.0%
ALGONQUIN CITYGATES BASIS	B4	0	21.17	-100.0%	0	-	0	35.14	-100.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	-	0	-	0	0	-
ANR OKLAHOMA	NE	0	2.61	-100.0%	0	-	0	21.42	-100.0%
APPALACHIAN COAL (PHY)	QL	0	0	-	0	-	0	0.77	-100.0%
ARGUS LLS VS. WTI (ARG) T	E5	714	548.7	30.1%	307.75	131.9%	352	656.4	-46.3%
ARGUS PROPAN FAR EST INDE	7E	216	49.83	332.7%	177.05	21.8%	107	72.26	48.7%
ARGUS PROPAN(SAUDI ARAMCO	9N	58	17.78	225.2%	41.85	38.2%	47	43.55	8.3%
AUSTRIALIAN COKE COAL	ALW	0	10.57	-95.9%	0	-	6	18.55	-67.8%
BRENT BALMO SWAP	J9	0	11.96	-100.0%	9.5	-100.0%	3	6.46	-55.9%
BRENT CALENDAR SWAP	CY	300	36.65	718.7%	197.95	51.6%	142	105.71	34.1%
BRENT FINANCIAL FUTURES	BB	0	2.83	-100.0%	41.75	-100.0%	244	12.81	1805.7%
BRENT FINANCIAL FUTURES	MBC	0	0	-	0	-	0	8.48	-100.0%
BRENT FINANCIAL FUTURES	MDB	0	0	-	4	-100.0%	1	2.46	-51.6%
BRENT OIL LAST DAY	BZL	0	0	-	0	-	0	0	-
BRENT OIL LAST DAY	BZS	0	0	-	0	-	0	0	-
CAISO SP15 EZGNHUB5 MW P	9X	0	0	-	0	-	47	0	-
CAISO SP15 EZGNHUB5 PEAK	9Z	0	0	-	0	-	0	0	-
CANADIAN LIGHT SWEET OIL	CIL	12	147.39	-92.0%	0.75	1465.2%	43	98.66	-56.1%
CENTERPOINT BASIS SWAP	PW	0	30.43	-100.0%	0	-	3	63.39	-95.0%
CENTERPOINT EAST INDEX	II	0	0	-	0	-	0	4.4	-100.0%
CHICAGO ETHANOL SWAP	CU	5,148	4,960.48	3.8%	3,629.7	41.8%	5,439	4,694.71	15.8%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	-	0	-	0	0	-
CHICAGO ULSD PL VS HO SPR	5C	11	33.43	-67.5%	4.95	119.6%	7	15.51	-52.8%
CHICAGO UNL GAS PL VS RBO	3C	0	11.96	-100.0%	0	-	0	11.16	-100.0%
CIG BASIS	CI	0	492.43	-100.0%	27	-100.0%	4	387.79	-98.9%
CIG ROCKIES NG INDEX SWA	Z8	0	0	-	0	-	4	6.27	-31.7%
CINERGY HUB OFF-PEAK MONT	EJ	0	0	-	0	-	0	0.36	-100.0%
CINERGY HUB PEAK MONTH	EM	0	0	-	0	-	0	0	-
CIN HUB 5MW D AH O PK	K2	696	0	-	4,000	-82.6%	1,659	1,640.24	1.1%
CIN HUB 5MW D AH PK	H5	24	11.22	114.7%	42.75	-43.7%	85	111.14	-23.8%
CIN HUB 5MW REAL TIME O P	H4	696	0	-	5,212	-86.7%	2,363	5,753.48	-58.9%
CIN HUB 5MW REAL TIME PK	H3	0	129.57	-100.0%	110.25	-100.0%	149	377.6	-60.6%
COAL SWAP	ACM	2	8.7	-80.0%	1.25	39.1%	7	11.49	-36.8%
COAL SWAP	SSI	0	1.3	-100.0%	0	-	0	1.11	-100.0%

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COLUMB GULF MAINLINE NG B	5Z	0	210.22	-100.0%	49.95	-100.0%	6	117.88	-95.0%
COLUMBIA GULF MAIN NAT G	L2	0	0	-	0	-	0	13.14	-100.0%
COLUMBIA GULF ONSHORE	GL	0	0	-	66.6	-100.0%	8	18.5	-57.1%
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	31	0	-	12.1	153.3%	15	7.61	95.1%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	62	22.17	181.4%	16.95	268.1%	40	5.68	602.1%
CONWAY PROPANE 5 DECIMALS SWAP	8K	404	555.17	-27.1%	543.25	-25.5%	420	317.17	32.5%
CRUDE OIL	CHB	0	0	-	0	-	0	0.36	-100.0%
CRUDE OIL	LPS	178	206.43	-13.6%	293.5	-39.3%	188	242.92	-22.8%
CRUDE OIL OUTRIGHTS	37	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	42	10	4.7	111.1%	4.3	130.5%	24	4.35	456.6%
CRUDE OIL OUTRIGHTS	CC5	0	0	-	0	-	4	0	-
CRUDE OIL OUTRIGHTS	CSN	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	CSW	5	23.48	-77.8%	21	-75.2%	12	3.21	274.1%
CRUDE OIL OUTRIGHTS	DBL	21	0	-	5	313.0%	9	2.68	238.9%
CRUDE OIL OUTRIGHTS	FE	0	0	-	11.5	-100.0%	2	0	-
CRUDE OIL OUTRIGHTS	GSW	0	2.61	-100.0%	0	-	1	0.54	22.2%
CRUDE OIL OUTRIGHTS	HTT	1,209	226.13	434.6%	287	321.2%	542	86.39	526.9%
CRUDE OIL OUTRIGHTS	LSW	28	0	-	0	-	5	0	-
CRUDE OIL OUTRIGHTS	SSW	4	0	-	18	-78.3%	5	0	-
CRUDE OIL OUTRIGHTS	WCC	0	319.57	-100.0%	30.75	-100.0%	147	243.39	-39.5%
CRUDE OIL OUTRIGHTS	WCW	492	0	-	534.75	-8.0%	244	0	-
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL SPRDS	38	0	4.35	-100.0%	0	-	0	2.53	-100.0%
CRUDE OIL SPRDS	WTT	772	230.43	234.8%	65	1087.0%	309	124.65	147.8%
CRUDE OIL TRADE AT MARKER SINGAPOR	CLS	0	0	-	0	-	0	0	-
DAILY PJM	AOR	0	0	-	0	-	0	0	-
DAILY PJM	IDO	0	0	-	0	-	0	0	-
DAILY PJM	NOC	0	0	-	0	-	0	0	-
DAILY PJM	PAP	0	0	-	0	-	0	0	-
DAILY PJM	PEO	0	0	-	0	-	0	0	-
DAILY PJM	PNO	0	0	-	0	-	0	0	-
DAILY PJM	PNP	0	0	-	0	-	0	0	-
DAILY PJM	PWO	0	0	-	0	-	0	0	-
DAILY PJM	PWP	0	0	-	0	-	0	0	-
DAILY PJM	WOR	0	0	-	0	-	0	16.19	-100.0%
DAILY PJM	ZAO	0	0	-	0	-	0	0	-

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DAILY PJM	ZGO	0	0	-	0	-	0	0	-
DAILY PJM	ZJO	0	0	-	0	-	0	0	-
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-	8	0	-
DATED TO FRONTLINE BRENT	FY	85	32.61	160.0%	129	-34.3%	69	71.49	-3.8%
DEMARCO INDEX FUTURE	DI	0	0	-	0	-	0	4.76	-100.0%
DEMARCO SWING SWAP	DT	0	0	-	0	-	0	0	-
DIESEL 10P BRG FOB RDM VS	7X	0	5	-100.0%	0	-	0	0.74	-100.0%
DIESEL 10PPM BARGES FOB B	U7	0	0	-	0.15	-100.0%	0	0	-
DLY GAS EURO-BOB OXY	GBR	0	0	-	0	-	0	0.36	-100.0%
DOMINION TRAN INC - APP I	IH	0	0	-	0	-	0	101.83	-100.0%
DOMINION TRANSMISSION INC	PG	0	853.48	-100.0%	304.05	-100.0%	289	906.33	-68.1%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-	0	1.64	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	262	108.09	142.4%	273	-4.0%	433	71.23	508.6%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	-	0	-	9	0	-
EASTERN RAIL DELIVERY CSX	QX	18	35.87	-49.1%	0	-	28	57.75	-52.2%
EAST/WEST FUEL OIL SPREAD	EW	0	2.17	-100.0%	0.5	-100.0%	7	1.4	431.8%
EIA FLAT TAX ONHWAY DIESE	A5	4	49.39	-91.5%	33.7	-87.6%	37	54.93	-32.7%
ELEC ERCOT DLY OFF PK	R4	0	0	-	0	-	0	0	-
ELEC ERCOT DLY PEAK	I7	0	0	-	0	-	0	0	-
ELEC ERCOT DLY PEAK	N1	0	0	-	0	-	0	0	-
ELEC ERCOT DLY PEAK	R1	0	0	-	0	-	0	0	-
ELEC FINSETTLED	47	0	0	-	0	-	0	7.56	-100.0%
ELEC FINSETTLED	49	0	0	-	0	-	0	0	-
ELEC MISO PEAK	4L	0	0	-	0	-	23	0	-
ELEC MISO PEAK	55	0	0	-	0	-	0	0	-
ELEC NYISO OFF-PEAK	4M	0	0	-	0	-	418	0	-
ELEC NYISO OFF-PEAK	58	0	0	-	0	-	0	0	-
ELECTRICITY ERCOT PEAK	ERE	0	0	-	34.5	-100.0%	4	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-	0	139.76	-100.0%
ELECTRICITY OFF PEAK	4P	0	0	-	0	-	0	0	-
ELECTRICITY OFF PEAK	50	0	0	-	0	-	0	0	-
ELEC WEST POWER OFF-PEAK	MDA	0	0	-	0	-	0	0	-
ELEC WEST POWER PEAK	MDC	0	0	-	0	-	9	0	-
EL PASO PERMIAN INDEX SWA	IL	0	0	-	0	-	0	9.6	-100.0%
ERCOT DAILY 5MW PEAK	ERW	0	0	-	0	-	0	0	-
ERCOT HOUSTON Z MCPE 5MW PEAK SWA	I1	96	0	-	0	-	23	0	-

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ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWA	I6	922	0	-	0	-	214	25.48	739.3%
ERCOT NORTH ZMCPE 5MW PEAK	I5	96	0	-	0	-	28	1.4	1904.3%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	121	93.26	29.7%	168.6	-28.3%	180	101.89	77.0%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-	0	1.25	-91.4%
EURO 3.5% FUEL OIL RDAM B	KR	10	15.61	-37.3%	7.05	38.8%	22	14.76	45.8%
EURO 3.5% FUEL OIL SPREAD	FK	10	25.74	-60.6%	34	-70.2%	25	27.13	-7.9%
EURO-DENOMINATED PETRO PROD	NCP	1	0	-	0	-	8	0.94	763.3%
EURO GASOIL 10 CAL SWAP	GT	0	0	-	0	-	0	0.02	-100.0%
EURO GASOIL 10PPM VS ICE	ET	3	6.17	-53.5%	0	-	2	3.52	-41.9%
EUROPE 1% FUEL OIL NWE CA	UF	1	0.13	566.9%	0	-	4	8.01	-49.2%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0.5	-73.9%	0	0.74	-68.6%
EUROPE 3.5% FUEL OIL MED	UI	0	20	-97.8%	0.25	73.9%	7	17.73	-60.6%
EUROPE 3.5% FUEL OIL RDAM	UV	120	210.48	-42.9%	168.95	-28.9%	359	302.63	18.6%
EUROPEAN GASOIL (ICE)	7F	172	317	-45.9%	170.05	0.9%	164	9,157.74	-98.2%
EUROPEAN NAPHTHA BALMO	KZ	14	6.3	128.3%	13	10.7%	18	7	161.1%
EUROPEAN NAPHTHA CRACK SPR	EN	295	209.35	40.9%	350.65	-15.9%	343	218.1	57.2%
EUROPE DATED BRENT SWAP	UB	5	0	-	70	-92.3%	12	154.51	-92.5%
EUROPE JET KERO NWE CALSW	UJ	2	0	-	0	-	1	0.23	168.4%
EUROPE NAPHTHA CALSWAP	UN	145	80.7	80.1%	169	-14.0%	139	66.81	107.6%
EURO PROPANE CIF ARA SWA	PS	63	49.91	26.3%	40.5	55.7%	56	56.86	-1.5%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	-	0	-	0	49.46	-100.0%
FLORIDA GAS ZONE3 BASIS S	FP	0	145.74	-100.0%	0	-	0	32.43	-100.0%
FREIGHT MARKETS	FLP	18	1.78	882.9%	9	94.7%	8	8.98	-14.9%
FUEL OIL CRACK VS ICE	FO	58	208.39	-72.1%	76.35	-24.0%	196	199.73	-1.9%
FUEL OIL NWE CRACK VS ICE	FI	0	0	-	0	-	0	0.19	-100.0%
FUEL OIL (PLATS) CAR CM	1W	0	1.09	-100.0%	0	-	0	6.64	-100.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-	0	0.32	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	7	3.74	97.7%	14.75	-49.9%	15	16.76	-9.2%
GAS EURO-BOB OXY NWE BARGES	7H	313	249.3	25.6%	272.3	15.0%	341	333.39	2.4%
GAS EURO-BOB OXY NWE BARGES CRK	7K	983	512.52	91.8%	707.95	38.9%	923	664.9	38.8%
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	-	0	-	0	0.04	-100.0%
GASOIL 0.1 CIF MED SWAP	Z4	0	0	-	0	-	0	0.45	-100.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	0.43	-100.0%	0	-	0	0.77	-61.5%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	0	-	0	0	-
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	-	0	-	0	0.03	299.3%

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<b>Energy Futures</b>									
GASOIL 0.1 CRG CIF NW VS	4V	0	0	-	0	-	0	0.03	-100.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0	-	1	0.36	150.0%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	-	0	-	1	0	-
GASOIL 10P CRG CIF NW VS	3V	0	0	-	1.25	-100.0%	0	0.06	150.1%
GASOIL 10PPM CARGOES CIF	TY	0	0	-	0	-	0	0.02	-100.0%
GASOIL 10PPM VS ICE SWAP	TP	3	9.22	-71.7%	3.6	-27.5%	4	4.17	-15.4%
GASOIL BULLET SWAP	BG	0	0	-	0	-	0	0	-
GASOIL CALENDAR SWAP	GX	0	0.65	-100.0%	0	-	1	1.82	-21.0%
GASOIL CRACK SPREAD CALEN	GZ	198	256.52	-23.0%	265.4	-25.5%	360	253.17	42.1%
GASOIL MINI CALENDAR SWAP	QA	8	9.39	-13.0%	1.15	610.8%	7	12.23	-42.0%
GASOLINE UP-DOWN BALMO SW	1K	0	0	-	0	-	0	4.82	-100.0%
GROUP THREE ULSD (PLATTS)	A7	0	13.04	-100.0%	6.25	-100.0%	1	1.79	-58.3%
GRP THREE ULSD(PLT)VS HEA	A6	396	204.13	94.2%	273.05	45.2%	181	131.18	37.6%
GRP THREE UNL GS (PLT) VS	A8	72	88.7	-19.4%	21.25	236.6%	32	68.78	-54.1%
GULF COAST 3% FUEL OIL BA	VZ	12	12.39	0.4%	45.75	-72.8%	56	33.65	66.2%
GULF COAST GASOLINE CLNDR	GS	0	0	-	0	-	0	7.74	-100.0%
GULF COAST JET FUEL CLNDR	GE	2	1.74	5.0%	17.75	-89.7%	6	6.98	-19.6%
GULF COAST JET VS NYM 2 H	ME	2,488	1,506.91	65.1%	1,736.05	43.3%	2,143	1,560.32	37.3%
GULF COAST NO.6 FUEL OIL	MF	1,830	2,464.39	-25.7%	2,019.25	-9.4%	2,483	2,740.54	-9.4%
GULF COAST NO.6 FUEL OIL	MG	28	6.52	328.7%	24.75	13.0%	63	33.24	89.1%
GULF COAST ULSD CALENDAR	LY	3	49.22	-92.9%	26.6	-86.9%	24	43.65	-44.4%
GULF COAST ULSD CRACK SPR	GY	0	6.52	-100.0%	85	-100.0%	23	36.64	-37.1%
HEATING OIL BALMO CLNDR S	1G	0	0.65	-100.0%	5	-100.0%	5	1.99	147.8%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	-	0	0.12	-100.0%
HEATING OIL PHY	HOL	0	0	-	0	-	0	0	-
HENRY HUB BASIS SWAP	HB	0	835.09	-100.0%	136	-100.0%	304	1,039.43	-70.8%
HENRY HUB FINANCIAL LAST	NBP	24	0	-	2.95	709.1%	4	0	-
HENRY HUB FINANCIAL LAST	TTE	1	0	-	4.6	-69.8%	1	0	-
HENRY HUB INDEX SWAP FUTU	IN	0	551.35	-100.0%	105.4	-100.0%	291	950.21	-69.4%
HENRY HUB SWAP	NN	11,324	16,552.57	-31.6%	12,305.75	-8.0%	8,693	20,556.92	-57.7%
HENRY HUB SWING FUTURE	SN	0	0	-	0	-	0	1.73	-100.0%
HOUSTON SHIP CHANNEL BASI	NH	0	69.39	-100.0%	85.65	-100.0%	22	156.33	-85.6%
HOUSTON SHIP CHANNEL INDE	IP	0	0	-	0	-	0	1.11	-100.0%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	-	35.95	-100.0%	4	0	-
ICE BRENT DUBAI SWAP	DB	62	4.35	1333.0%	20	211.5%	422	0.65	64347.2%
ICE GASOIL BALMO SWAP	U9	0	0	-	0.45	-100.0%	0	0	-



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<b>Energy Futures</b>									
IN DELIVERY MONTH EUA	6T	0	0	-	0	-	17	155.96	-89.1%
INDIANA MISO	FAD	0	0	-	0	-	0	0	-
INDIANA MISO	FTD	0	0	-	0	-	0	0	-
INDIANA MISO	FTM	0	0	-	0	-	0	0	-
INDIANA MISO	PDD	0	0	-	0	-	0	0.67	-100.0%
INDIANA MISO	PDM	0	0	-	0	-	0	0	-
INDIANA MISO	PTD	0	0	-	0	-	0	0	-
INDIANA MISO	PTM	0	0	-	0	-	0	0	-
INDONESIAN COAL	MCC	0	1.52	-100.0%	0	-	0	1.22	-97.6%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	-	0	-	0	0	-
ISO NEW ENGLAND PK LMP	NI	0	0	-	0	-	0	0.12	-50.0%
JAPAN C&F NAPHTHA CRACK S	JB	32	28.57	13.5%	3.6	801.0%	28	20.38	35.3%
JAPAN C&F NAPHTHA SWAP	JA	47	80.43	-41.1%	44.7	5.9%	75	59.98	25.0%
JAPAN NAPHTHA BALMO SWAP	E6	0	3.26	-100.0%	4.5	-100.0%	8	2.2	255.1%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	1.96	-100.0%	0	-	0	0.93	-92.4%
JET BARGES VS ICE GASOIL	JR	0	0	-	0	-	0	0.13	-100.0%
JET CIF NWE VS ICE	JC	0	2.7	-83.9%	6.45	-93.3%	5	4.52	9.7%
JET FUEL BRG FOB RDM VS I	9Q	0	0	-	0	-	0	0.01	150.4%
JET FUEL CRG CIF NEW VS I	6X	0	0	-	2.1	-100.0%	0	0.18	106.6%
JET FUEL UP-DOWN BALMO CL	1M	262	327.17	-19.8%	252.8	3.8%	341	173.29	96.5%
LA CARB DIESEL (OPIS)	LX	0	0	-	0	-	0	0	-
LA CARB DIESEL (OPIS) SWA	KL	20	54.13	-63.9%	7.5	160.9%	10	37.66	-73.6%
LA CARBOB GASOLINE(OPIS)S	JL	14	14.13	0.0%	0	-	11	35.12	-68.2%
LA JET FUEL VS NYM NO 2 H	MQ	0	1.09	-100.0%	0	-	0	4.76	-96.9%
LA JET (OPIS) SWAP	JS	142	158.26	-10.0%	51.75	175.2%	92	98.88	-7.3%
LLS (ARGUS) VS WTI SWAP	WJ	358	346.74	3.4%	121.9	194.1%	198	332.96	-40.6%
MARS (ARGUS) VS WTI SWAP	YX	148	47.39	211.9%	291.5	-49.3%	150	203.68	-26.2%
MARS (ARGUS) VS WTI TRD M	YV	517	876.65	-41.0%	627.25	-17.6%	869	517.07	68.1%
MARS BLEND CRUDE OIL	MB	32	24.35	32.1%	0	-	71	92.4	-22.9%
MCCLOSKEY ARA ARGS COAL	MTF	1,158	4,379.39	-73.6%	1,817.2	-36.3%	2,262	8,375.16	-73.0%
MCCLOSKEY RCH BAY COAL	MFF	150	470	-68.0%	157.55	-4.6%	258	873.52	-70.5%
MGF FUT	MGF	4	0	-	0	-	2	0.6	186.0%
MGN1 SWAP FUT	MGN	1	3.26	-73.3%	9	-90.3%	6	6.18	-8.1%
MICHCON NG INDEX SWAP	Y8	0	0	-	0	-	0	10.95	-100.0%
MICHIGAN BASIS	NF	0	63.26	-100.0%	0	-	15	99.79	-84.5%
MICHIGAN MISO	HMO	0	0	-	0	-	351	759.76	-53.7%



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<b>Energy Futures</b>									
MICHIGAN MISO	HMW	0	0	-	0	-	19	43.1	-55.9%
MINI GAS EUROBOB OXY NWE ARGS BALM	MEB	11	37.35	-70.3%	31.2	-64.5%	24	20.47	17.8%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	49	4.35	1035.0%	20.1	145.5%	24	5.93	309.8%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	126	80.22	56.5%	168.6	-25.6%	125	57.1	119.3%
MJC FUT	MJC	1	6.26	-86.1%	1.75	-50.3%	4	4.55	-5.2%
MNC FUT	MNC	173	161.26	7.0%	192.85	-10.5%	209	190.31	9.7%
MONT BELVIEU ETHANE 5 DECIMAL	C0	715	2,214.04	-67.7%	614.65	16.4%	1,134	1,927.51	-41.2%
MONT BELVIEU ETHANE OPIS BALMO	8C	8	7.17	6.1%	0	-	15	4.85	200.2%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	4,431	6,069.7	-27.0%	3,609.4	22.8%	4,270	5,399.6	-20.9%
MONT BELVIEU LDH PROPANE OPIS BALM	8O	74	37.87	94.4%	74.75	-1.5%	86	40.4	113.6%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	100	309.35	-67.6%	170.4	-41.2%	192	403.33	-52.4%
MONT BELVIEU NATURAL GASOLINE BALM	R0	5	10.91	-53.4%	7.25	-29.8%	11	9.89	14.4%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	1,266	1,249.48	1.3%	1,177.6	7.5%	1,338	1,138.98	17.5%
MONT BELVIEU NORMAL BUTANE BALMO	8J	36	24.61	44.9%	14.7	142.5%	36	32.98	10.1%
NAT GAS BASIS SWAP	TZ6	19	287.96	-93.5%	0	-	13	176.3	-92.7%
NATURAL GAS	HBI	0	0	-	0	-	0	0	-
NATURAL GAS	XIC	0	0	-	0	-	0	0	-
NATURAL GAS FIXED PRICE SWAP FUTURE	CFS	0	0	-	0	-	0	0	-
NATURAL GAS FIXED PRICE SWAP FUTURE	DSF	0	0	-	18	-100.0%	2	0	-
NATURAL GAS FIXED PRICE SWAP FUTURE	MFS	0	0	-	0	-	0	0	-
NATURAL GAS FIXED PRICE SWAP FUTURE	PFS	0	0	-	0	-	0	0	-
NATURAL GAS FIXED PRICE SWAP FUTURE	WFS	0	0	-	0	-	0	0	-
NATURAL GAS FIXED PRICE SWAP FUTURE	ZTS	0	0	-	0	-	0	0	-
NATURAL GAS INDEX	TZI	0	0	-	0	-	4	39.89	-90.2%
NATURAL GAS PEN SWP	NP	2,824	5,079.96	-44.4%	3,153.75	-10.5%	4,155	5,364.99	-22.6%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	-	0	-	0	70.98	-100.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	-	0	-	0	3.78	-100.0%
NEPOOL INTR HUB 5MW D AH	H2	0	12,604.87	-100.0%	0	-	1,316	2,705.65	-51.4%
NEPOOL INTR HUB 5MW D AH	U6	37	726.17	-95.0%	34.5	5.9%	98	192.92	-49.1%
NEPOOL NE MASS 5MW D AH O	P8	0	0	-	0	-	0	0	-
NEPOOL NE MASS 5MW D AH P	P7	0	0	-	0	-	0	3.81	-100.0%
NEPOOL NEW HAMP 5MW D AH	U2	0	0	-	0	-	0	0	-
NEPOOL NEW HAMP 5MW D AH	U3	0	0	-	0	-	0	0	-
NEPOOL RHD ISLD 5MW D AH	U4	0	0	-	0	-	0	0	-
NEPOOL RHODE IL 5MW D AH	U5	0	0	-	0	-	0	0	-
NEPOOL SE MASS 5MW D AH O	P5	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>									
NEPOOL SE MASS 5MW D AH P	P4	0	0	-	0	-	0	0	-
NEPOOL W CNT MASS 5MW D A	L9	0	0	-	0	-	0	23.81	-100.0%
NEPOOL W CNTR M 5MW D AH	R6	0	0	-	0	-	0	10.03	-100.0%
NEW ENGLAND HUB PEAK DAIL	CE	0	0	-	0	-	0	0	-
NEW YORK ETHANOL SWAP	EZ	50	35.87	39.4%	45	11.1%	34	72.17	-52.5%
NEW YORK HUB ZONE G PEAK	GN	0	0	-	0	-	0	0	-
NEW YORK HUB ZONE J PEAK	JN	0	0	-	0	-	0	0	-
NGPL MID-CONTINENT	NL	58	52.52	10.3%	60	-3.5%	22	158.2	-86.2%
NGPL MIDCONTINENT INDEX	IW	0	0	-	0	-	0	43.02	-100.0%
NGPL MIDCONTINENT SWING S	PX	0	0	-	0	-	0	3.69	-100.0%
NGPL TEX/OK	PD	83	86.09	-3.5%	154.4	-46.2%	46	146.45	-68.4%
NGPL TEXOK INDEX	OI	0	13.04	-100.0%	0	-	0	2.14	-100.0%
N ILLINOIS HUB DAILY	UD	0	0	-	0	-	0	0	-
N ILLINOIS HUB MTHLY	UM	0	0	-	0	-	0	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	4	0	-	0	-	22	15.25	42.8%
NORTHERN NATURAL GAS DEMAR	PE	0	25.13	-100.0%	0	-	0	12.93	-100.0%
NORTHERN NATURAL GAS VENTU	PF	0	9.74	-100.0%	0	-	1	43.16	-98.8%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	-	0	-	0	0	-
NORTHWEST ROCKIES BASIS S	NR	0	339.7	-100.0%	86.9	-100.0%	18	807.23	-97.7%
N ROCKIES PIPE SWAP	XR	0	0	-	16.7	-100.0%	2	0	-
NY1% VS GC SPREAD SWAP	VR	38	98.91	-61.5%	137.7	-72.4%	107	108.76	-1.4%
NY 2.2% FUEL OIL (PLATTS	Y3	0	3.48	-100.0%	0	-	0	2.91	-100.0%
NY 3.0% FUEL OIL (PLATTS	H1	3	13.04	-75.0%	1.25	160.9%	19	8.78	115.9%
NY HARBOR 1% FUEL OIL BAL	VK	0	3.09	-100.0%	0	-	0	0.6	-75.2%
NY HARBOR HEAT OIL SWP	MP	86	77.74	11.1%	222.8	-61.2%	124	120.46	2.7%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	10	13.26	-26.2%	0	-	25	28.9	-12.0%
NY HARBOR RESIDUAL FUEL 1	MM	111	134.7	-17.4%	67.05	65.9%	122	164.14	-25.9%
NYH NO 2 CRACK SPREAD CAL	HK	12	131.96	-90.8%	83.5	-85.5%	68	87.62	-22.8%
NY H OIL PLATTS VS NYMEX	YH	0	0	-	0	-	0	0	-
NYISO A	KA	0	0	-	0	-	0	0	-
NYISO A OFF-PEAK	KB	0	0	-	0	-	0	0	-
NYISO CAPACITY	LHV	1	2.35	-77.8%	3	-82.6%	2	1	66.1%
NYISO CAPACITY	NNC	4	3.91	6.7%	2.2	89.7%	10	8.2	16.9%
NYISO CAPACITY	NRS	4	4.22	-4.1%	9	-55.1%	9	11.77	-22.3%
NYISO G	KG	0	0	-	0	-	0	0	-
NYISO G OFF-PEAK	KH	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>									
NYISO J	KJ	0	0	-	0	-	0	1.02	-100.0%
NYISO J OFF-PEAK	KK	0	0	-	0	-	0	0.48	-100.0%
NYISO ZONE A 5MW D AH O P	K4	0	344.57	-100.0%	1,170	-100.0%	195	1,424.79	-86.3%
NYISO ZONE A 5MW D AH PK	K3	0	128.7	-100.0%	0	-	41	21.43	89.3%
NYISO ZONE C 5MW D AH O P	A3	0	0	-	0	-	0	323.15	-100.0%
NYISO ZONE C 5MW D AH PK	Q5	0	0	-	0	-	1	9	-92.7%
NYISO ZONE G 5MW D AH O P	D2	3,663	893.3	310.0%	0	-	4,361	2,289.92	90.5%
NYISO ZONE G 5MW D AH PK	T3	211	231.91	-9.0%	162	30.3%	314	181.09	73.6%
NYISO ZONE J 5MW D AH O P	D4	0	0	-	0	-	1,349	612.81	120.1%
NYISO ZONE J 5MW D AH PK	D3	38	36.52	3.6%	127.5	-70.3%	138	51.23	169.1%
NY JET FUEL (PLATTS) HEAT OIL SWAP	1U	0	0	-	0	-	0	0	-
NYMEX ALUMINUM FUTURES	AN	0	0	-	0	-	0	0	-
NYMEX ULSD VS NYMEX HO	UY	0	0	-	0	-	0	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	22	50.7	-57.1%	1.45	1399.2%	49	24.46	100.0%
ONEOK OKLAHOMA NG BASIS	8X	9	5.22	63.3%	0	-	1	6.34	-81.6%
ONTARIO POWER SWAPS	OFD	0	0	-	0	-	0	0.95	-100.0%
ONTARIO POWER SWAPS	OFM	0	0	-	0	-	0	22.32	-100.0%
ONTARIO POWER SWAPS	OPD	0	4.78	-90.9%	3	-85.5%	3	2.11	39.4%
ONTARIO POWER SWAPS	OPM	0	0	-	0	-	4	2.62	47.7%
PANHANDLE BASIS SWAP FUTU	PH	0	439.91	-100.0%	150.6	-100.0%	18	415.01	-95.6%
PANHANDLE INDEX SWAP FUTU	IV	0	0	-	0	-	0	14.76	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-	5	0	-
PERMIAN BASIS SWAP	PM	0	114.74	-100.0%	39.75	-100.0%	6	171.79	-96.5%
PETROCHEMICALS	22	5	1.09	344.0%	2.5	93.0%	4	2.35	55.1%
PETROCHEMICALS	32	4	1.65	144.7%	3.35	20.7%	5	2.49	107.9%
PETROCHEMICALS	8I	30	8.26	262.1%	20.3	47.4%	30	8.07	266.0%
PETROCHEMICALS	91	12	6.3	82.8%	10.15	13.5%	10	8.12	28.6%
PETROCHEMICALS	HPE	0	0	-	0	-	0	0.29	-100.0%
PETROCHEMICALS	JKM	13	0	-	0	-	2	0	-
PETROCHEMICALS	LPE	0	0	-	0	-	0	0	-
PETROCHEMICALS	MAC	0	0	-	0	-	0	0.65	-54.6%
PETROCHEMICALS	MAE	3	1.3	133.3%	2	52.2%	1	2.29	-63.6%
PETROCHEMICALS	MAS	1	0.87	50.0%	1.5	-13.0%	1	5.54	-76.9%
PETROCHEMICALS	MBE	52	123.48	-57.6%	95	-44.9%	59	132.59	-55.4%
PETROCHEMICALS	MNB	113	148.87	-24.0%	113.95	-0.7%	81	100.3	-19.5%
PETROCHEMICALS	MPS	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>									
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	0	-	1	6.25	-86.5%
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-	2	0.38	312.4%
PETRO CRCKS & SPRDS ASIA	STS	0	3.48	-100.0%	21	-100.0%	8	0.48	1537.5%
PETRO CRCKS & SPRDS NA	CRB	39	3.74	952.3%	13	202.7%	12	5.95	96.2%
PETRO CRCKS & SPRDS NA	EXR	125	60.22	107.7%	96.85	29.2%	125	66.05	89.8%
PETRO CRCKS & SPRDS NA	FOC	12	76.3	-84.3%	0	-	36	46.76	-23.9%
PETRO CRCKS & SPRDS NA	GBB	57	15.87	259.7%	49.25	15.9%	42	9.08	357.9%
PETRO CRCKS & SPRDS NA	GCC	16	4.35	260.0%	0	-	7	9.08	-23.9%
PETRO CRCKS & SPRDS NA	GCI	0	68.3	-100.0%	37.6	-100.0%	53	48.24	10.9%
PETRO CRCKS & SPRDS NA	GCM	1	0.43	70.0%	0	-	0	0.39	-10.6%
PETRO CRCKS & SPRDS NA	GCU	147	287.74	-49.1%	145.95	0.4%	284	350.92	-19.1%
PETRO CRCKS & SPRDS NA	GFC	0	1.09	-100.0%	0	-	3	0.77	314.7%
PETRO CRCKS & SPRDS NA	HOB	123	123.78	-0.4%	388.5	-68.3%	164	193.03	-14.9%
PETRO CRCKS & SPRDS NA	KSD	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-	0	0.18	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	11.65	-100.0%	0	-	1	4.69	-86.2%
PETRO CRCKS & SPRDS NA	NYF	0	13.04	-100.0%	15	-100.0%	7	2.83	136.8%
PETRO CRCKS & SPRDS NA	NYH	0	0	-	0	-	0	1.79	-100.0%
PETRO CRCKS & SPRDS NA	RBB	278	456.09	-39.0%	343	-19.0%	402	455.09	-11.7%
PETRO CRCKS & SPRDS NA	RVG	951	619.43	53.6%	782.25	21.6%	780	384.63	102.7%
PETRO CRCKS & SPRDS NA	SF3	0	0	-	0	-	0	0.2	-55.9%
PETRO CRK&SPRD EURO	1NB	75	81.83	-8.6%	64.85	15.3%	66	82.14	-19.9%
PETRO CRK&SPRD EURO	43	13	12.57	-0.3%	11.2	11.8%	12	7.53	60.6%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	BOB	37	73.65	-49.1%	55.65	-32.7%	95	93.63	1.3%
PETRO CRK&SPRD EURO	EGN	0	0	-	0.9	-100.0%	0	0	-
PETRO CRK&SPRD EURO	EOB	1	0	-	0.55	145.1%	1	0.54	33.0%
PETRO CRK&SPRD EURO	EPN	28	15.57	80.2%	17.4	61.2%	20	11.42	77.2%
PETRO CRK&SPRD EURO	EVC	69	64.74	6.6%	68.4	0.9%	121	68.26	77.6%
PETRO CRK&SPRD EURO	FBT	0	0.87	-100.0%	0	-	0	2.86	-100.0%
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	GCB	0	1.09	-100.0%	0	-	4	4.67	-5.9%
PETRO CRK&SPRD EURO	GOC	1	0	-	1.25	-47.8%	1	0.41	52.2%
PETRO CRK&SPRD EURO	MGB	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	MUD	6	13.96	-57.0%	0	-	5	6.34	-19.5%
PETRO CRK&SPRD EURO	NBB	0	2.39	-81.8%	0.25	73.9%	1	1.06	-30.3%

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<b>Energy Futures</b>									
PETRO CRK&SPRD EURO	NOB	71	27.39	160.3%	40.2	77.4%	52	20.53	154.3%
PETRO CRK&SPRD EURO	SFB	1	0	-	0	-	1	0.63	69.5%
PETROLEUM PRODUCTS	D46	0	0	-	0	-	0	0.18	-100.0%
PETROLEUM PRODUCTS	EWB	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	EWG	111	97.09	14.0%	46.7	137.0%	120	25.64	369.1%
PETROLEUM PRODUCTS	MBS	0	0.87	-100.0%	0	-	0	3.28	-85.5%
PETROLEUM PRODUCTS	MGS	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	MHE	0	0	-	0	-	0	0.18	-100.0%
PETROLEUM PRODUCTS	MME	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	1	8.11	-92.7%
PETROLEUM PRODUCTS	VU	36	13.91	159.4%	11.65	209.8%	15	13.57	8.6%
PETROLEUM PRODUCTS ASIA	E6M	2	0	-	1.5	15.9%	1	2.54	-55.0%
PETROLEUM PRODUCTS ASIA	MJN	61	49.13	23.9%	126.2	-51.8%	96	60.98	57.2%
PETROLEUM PRODUCTS ASIA	MSB	1	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	0B	1	2.17	-60.0%	1	-13.0%	1	7.74	-92.1%
PETRO OUTRIGHT EURO	0C	0	2.39	-100.0%	0	-	0	0.96	-100.0%
PETRO OUTRIGHT EURO	0D	92	132	-30.7%	117.85	-22.3%	118	194.42	-39.5%
PETRO OUTRIGHT EURO	0E	5	43	-87.4%	19.75	-72.5%	24	40.88	-42.5%
PETRO OUTRIGHT EURO	0F	36	59.52	-39.4%	47.45	-23.9%	58	55.78	3.4%
PETRO OUTRIGHT EURO	1T	2	0	-	0	-	1	0.12	410.2%
PETRO OUTRIGHT EURO	33	0	0	-	0	-	0	1.3	-63.5%
PETRO OUTRIGHT EURO	5L	0	2.83	-100.0%	0	-	3	9.18	-68.2%
PETRO OUTRIGHT EURO	63	10	6.74	54.8%	1.75	496.3%	4	6.14	-28.6%
PETRO OUTRIGHT EURO	6L	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	7I	0	0.74	-100.0%	12.25	-100.0%	5	7.68	-32.2%
PETRO OUTRIGHT EURO	7R	10	9.04	5.8%	15.55	-38.5%	12	12.61	-2.2%
PETRO OUTRIGHT EURO	88	1	0	-	0.25	421.7%	0	0.33	-36.4%
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-	0	0.04	-100.0%
PETRO OUTRIGHT EURO	CPB	9	25.61	-64.5%	2.2	313.0%	13	5.32	151.7%
PETRO OUTRIGHT EURO	EFF	0	2.39	-81.8%	0	-	2	2.48	-30.3%
PETRO OUTRIGHT EURO	EFM	1	1.09	0.0%	5.1	-78.7%	3	3.81	-29.2%
PETRO OUTRIGHT EURO	ENS	1	3.04	-71.4%	2	-56.5%	1	6.36	-86.0%
PETRO OUTRIGHT EURO	ESB	0	0	-	3.15	-100.0%	0	0	-
PETRO OUTRIGHT EURO	EWN	30	9.96	202.6%	30.2	-0.2%	34	8.74	293.8%
PETRO OUTRIGHT EURO	FBD	0	0	-	0	-	0	0.12	0.0%

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<b>Energy Futures</b>									
PETRO OUTRIGHT EURO	MBB	0	0	-	5	-100.0%	3	0.5	471.4%
PETRO OUTRIGHT EURO	MBN	50	93.91	-46.6%	86.5	-42.0%	50	69.57	-27.9%
PETRO OUTRIGHT EURO	SMU	0	8.7	-100.0%	0	-	0	1.43	-83.3%
PETRO OUTRIGHT EURO	T0	0	0	-	2.7	-100.0%	1	2.19	-55.4%
PETRO OUTRIGHT EURO	ULB	0	0	-	0	-	2	2.92	-23.5%
PETRO OUTRIGHT EURO	V0	0	0	-	0	-	1	0	-
PETRO OUTRIGHT EURO	W0	0	0	-	0	-	0	0.3	-100.0%
PETRO OUTRIGHT EURO	X0	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	FCB	10	2.78	250.0%	24.8	-60.7%	9	6.13	52.8%
PETRO OUTRIGHT NA	FOM	0	0	-	0	-	0	0.02	1562.6%
PETRO OUTRIGHT NA	GBA	0	0	-	0	-	0	0.05	-100.0%
PETRO OUTRIGHT NA	GUD	0	0	-	0	-	0	0.08	-100.0%
PETRO OUTRIGHT NA	JE	0	0	-	0	-	3	2.61	-4.3%
PETRO OUTRIGHT NA	JET	330	330	-0.1%	122	170.2%	200	132.02	51.6%
PETRO OUTRIGHT NA	JTB	10	0	-	32.5	-69.9%	7	0	-
PETRO OUTRIGHT NA	MBL	5	0	-	0	-	2	1	58.3%
PETRO OUTRIGHT NA	MEN	29	24.7	15.7%	15.25	87.3%	30	32.37	-7.6%
PETRO OUTRIGHT NA	MEO	309	458.91	-32.6%	367.65	-15.9%	467	481.75	-3.1%
PETRO OUTRIGHT NA	MFD	0	1.96	-100.0%	0.65	-100.0%	1	4.99	-75.8%
PETRO OUTRIGHT NA	MMF	1	3.7	-85.9%	0	-	3	6.83	-61.8%
PETRO OUTRIGHT NA	NYT	0	0	-	0	-	4	0.6	525.0%
PETRO OUTRIGHT NA	XER	0	0	-	0	-	0	0	-
PJM AD HUB 5MW REAL TIME	V3	0	814.61	-100.0%	467.2	-100.0%	1,628	6,150.29	-73.5%
PJM AD HUB 5MW REAL TIME	Z9	111	346.96	-68.0%	25.55	333.9%	131	528.74	-75.2%
PJM AECO DA OFF-PEAK	X1	0	0	-	0	-	0	0	-
PJM AECO DA PEAK	Y1	0	0	-	0	-	0	0	-
PJM APS ZONE DA OFF-PEAK	W4	0	0	-	0	-	0	0	-
PJM APS ZONE DA PEAK	S4	0	0	-	0	-	0	0	-
PJM ATSI ELEC	MOD	0	0	-	0	-	279	0	-
PJM ATSI ELEC	MPD	0	0	-	0	-	15	0	-
PJM BGE DA OFF-PEAK	R3	0	0	-	0	-	0	139.29	-100.0%
PJM BGE DA PEAK	E3	0	0	-	0	-	0	7.59	-100.0%
PJM COMED 5MW D AH O PK	D9	0	0	-	0	-	508	1,254.05	-59.5%
PJM COMED 5MW D AH PK	D8	0	0	-	0	-	28	68.27	-59.2%
PJM DAILY	JD	0	0	-	0	-	0	7.74	-100.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	-	0	-	1,262	126.82	895.0%

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<b>Energy Futures</b>									
PJM DAYTON DA PEAK	D7	0	298.83	-100.0%	0	-	31	128.74	-75.7%
PJM JCPL DA OFF-PEAK	F2	0	0	-	0	-	0	0	-
PJM JCPL DA PEAK	J2	0	0	-	0	-	0	0	-
PJM NI HUB 5MW REAL TIME	B3	55	657.65	-91.7%	95.25	-42.5%	471	339.85	38.5%
PJM NI HUB 5MW REAL TIME	B6	1,567	15,902.61	-90.1%	1,638	-4.4%	10,122	8,066.26	25.5%
PJM NILL DA OFF-PEAK	L3	0	12,951.26	-100.0%	1,170	-100.0%	4,080	4,910.32	-16.9%
PJM NILL DA PEAK	N3	3	644.91	-99.6%	63.75	-95.9%	233	238.39	-2.4%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	-	0	-	0	0.83	-100.0%
PJM PECO ZONE5MW PEAK CAL MO DAY A	4N	0	0	-	0	-	0	0	-
PJM PPL DA OFF-PEAK	F5	0	0	-	0	-	0	0	-
PJM PPL DA PEAK	L5	0	0	-	0	-	0	0	-
PJM PSEG DA OFF-PEAK	W6	0	0	-	0	-	0	975	-100.0%
PJM PSEG DA PEAK	L6	0	0	-	0	-	0	30.36	-100.0%
PJM WES HUB PEAK LMP 50 M	4S	0	0	-	0	-	0	0	-
PJM WESTH DA OFF-PEAK	E4	2,035	0	-	0	-	323	4,910.77	-93.4%
PJM WESTHDA PEAK	J4	111	110.87	0.0%	0	-	51	268.74	-80.9%
PJM WESTH RT OFF-PEAK	N9	12,551	6,286.09	99.7%	2,842	341.6%	12,708	33,173.67	-61.7%
PJM WESTH RT PEAK	L1	760	3,271.26	-76.8%	797.35	-4.7%	1,166	3,122.42	-62.7%
PLASTICS	PGP	25	26.61	-6.0%	21.85	14.4%	26	16.33	60.0%
PREMIUM UNLD 10P FOB MED	3G	4	11.22	-67.1%	1.6	131.0%	3	14.36	-79.6%
PREMIUM UNLEAD 10PPM FOB	8G	0	0.43	-100.0%	1.6	-100.0%	1	1.71	-47.2%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-	0	0.01	250.4%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	1.3	-100.0%	0	-	0	1.63	-86.4%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	16	30.22	-48.6%	5	210.4%	25	19.03	33.4%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	213	400.17	-46.9%	118.15	79.9%	326	476.62	-31.7%
RBOB CALENDAR SWAP	RL	466	468.52	-0.4%	366.25	27.4%	354	313.08	13.0%
RBOB CRACK SPREAD	RM	115	64.35	78.4%	24.25	373.3%	31	70.09	-55.8%
RBOB CRACK SPREAD BALMO S	1E	0	1.09	-100.0%	0	-	0	0.3	-100.0%
RBOB GASOLINE BALMO CLNDR	1D	27	65	-58.7%	39.25	-31.5%	37	36.06	1.3%
RBOB PHY	RBL	0	0	-	0	-	0	0	-
RBOB (PLATTS) CAL SWAP	RY	0	0	-	0	-	0	0	-
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-	0	0	-
RBOB UP-DOWN CALENDAR SWA	RV	0	0	-	0	-	0	54.78	-100.0%
RBOB VS HEATING OIL SWAP	RH	55	26.09	111.7%	119	-53.6%	96	70.4	36.3%
ROCKIES KERN OPAL - NW IN	IR	0	0	-	0	-	0	6.23	-100.0%
SAN JUAN BASIS SWAP	NJ	0	264.7	-100.0%	102	-100.0%	13	305.89	-95.6%



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<b>Energy Futures</b>									
SINGAPORE 180CST BALMO	BS	4	2.39	85.5%	2.5	77.4%	3	2.6	19.9%
SINGAPORE 380CST BALMO	BT	13	5.26	141.3%	7.3	73.9%	10	6.72	49.0%
SINGAPORE 380CST FUEL OIL	SE	273	484.57	-43.7%	315.85	-13.6%	490	337.19	45.2%
SINGAPORE FUEL 180CST CAL	UA	49	38.52	26.5%	48.15	1.2%	54	56.67	-4.7%
SINGAPORE FUEL OIL SPREAD	SD	21	28.22	-24.2%	38.15	-43.9%	36	26.77	35.6%
SINGAPORE GASOIL	MTB	10	7.7	29.9%	13.5	-25.9%	8	11.06	-29.9%
SINGAPORE GASOIL	MTS	290	237.65	21.9%	214.7	34.9%	236	176.45	33.9%
SINGAPORE GASOIL	STL	0	0	-	0	-	0	0.6	-100.0%
SINGAPORE GASOIL	STZ	0	0	-	0	-	5	1.07	344.5%
SINGAPORE GASOIL CALENDAR	MSG	4	8.26	-45.8%	8.15	-45.1%	13	3.2	312.3%
SINGAPORE GASOIL SWAP	SG	306	321.22	-4.8%	483.45	-36.7%	468	218.69	114.0%
SINGAPORE GASOIL VS ICE	GA	300	90.22	232.3%	172.75	73.5%	406	89.78	352.6%
SINGAPORE JET KERO BALMO	BX	0	0	-	5	-100.0%	3	0.33	857.2%
SINGAPORE JET KERO GASOIL	RK	96	53.26	79.6%	78.25	22.2%	103	37.35	175.6%
SINGAPORE JET KEROSENE SW	KS	68	39.13	73.3%	164.75	-58.8%	70	27.5	155.5%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	-	0	-	0	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	1	1.09	0.0%	2.85	-61.9%	8	16.92	-55.5%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	301	296.57	1.5%	318.9	-5.6%	373	316.92	17.8%
SINGAPORE NAPHTHA BALMO	KU	0	0	-	0	-	0	0.12	-100.0%
SING FUEL	MSD	0	0.22	-100.0%	0	-	0	0.09	166.6%
SOCAL PIPE SWAP	XN	0	0	-	0	-	0	33.33	-100.0%
SONAT BASIS SWAP FUTURE	SZ	0	0	-	0	-	0	2.19	-100.0%
SOUTHERN NAT LA NAT GAS	M8	0	3.91	-100.0%	0	-	0	3.64	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-	0	8.14	-100.0%
Sumas Basis Swap	NK	0	20	-100.0%	27.5	-100.0%	37	84.73	-56.2%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	-	15.3	-100.0%	2	0	-
TC5 RAS TANURA TO YOKOHAM	TH	0	0	-	0	-	0	0.09	-100.0%
TCO BASIS SWAP	TC	0	360.65	-100.0%	41.2	-100.0%	49	153.03	-68.0%
TCO NG INDEX SWAP	Q1	0	0	-	0	-	0	0	-
TENN 800 LEG NAT GAS INDE	L4	0	0	-	0	-	0	7.65	-100.0%
TENNESSEE 500 LEG BASIS S	NM	0	15.65	-100.0%	0	-	3	6.45	-60.5%
TENNESSEE 800 LEG NG BASI	6Z	0	31.74	-100.0%	0	-	0	9.08	-100.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-	0	15.48	-100.0%
TETCO M-3 INDEX	IX	0	26.09	-100.0%	0	-	0	47.99	-100.0%
Tetco STX Basis	TX	0	0	-	0	-	0	9.59	-100.0%
TEXAS EASTERN ZONE M-3 BA	NX	26	466.74	-94.4%	22.65	15.9%	51	395.9	-87.1%

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<b>Energy Futures</b>									
TEXAS GAS ZONE1 NG BASIS	9F	0	0	-	0	-	0	0	-
Transco Zone 3 Basis	CZ	0	5.22	-100.0%	0	-	2	4.35	-58.6%
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	-	0	-	37	0	-
TRANSCO ZONE4 BASIS SWAP	TR	0	37.22	-100.0%	276	-100.0%	75	101.58	-26.1%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	-	0	-	3	8.67	-68.1%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	29.3	-100.0%	0	-	17	42.04	-59.4%
TRANSCO ZONE 6 INDEX	IT	0	5.22	-100.0%	0	-	5	36.51	-86.0%
UCM FUT	UCM	1	1.3	-33.3%	2.35	-63.0%	2	1.55	1.5%
ULSD 10PPM CIF MED BALMO	X7	0	0	-	0	-	0	0.23	-100.0%
ULSD 10PPM CIF MED SWAP	Z6	0	0	-	0	-	0	0.27	-33.3%
ULSD 10PPM CIF MED VS ICE	Z7	0	0.43	-100.0%	0	-	0	0.98	-59.8%
ULSD 10PPM CIF NW BALMO S	B1	0	0	-	0.3	-100.0%	0	0	-
ULSD 10PPM CIF VS ICE GAS	7V	0	0	-	0	-	0	0.21	-100.0%
ULSD UP-DOWN BALMO SWP	1L	172	493.48	-65.2%	128.75	33.4%	172	260.48	-34.0%
UP DOWN GC ULSD VS NMX HO	LT	2,766	2,602.78	6.3%	2,030.9	36.2%	2,192	2,585.54	-15.2%
USGC UNL 87 CRACK SPREAD	RU	0	0	-	0	-	0	1.04	-100.0%
WAHA BASIS	NW	131	167.39	-21.8%	61	114.7%	36	235.24	-84.7%
WAHA INDEX SWAP FUTURE	IY	0	20.87	-100.0%	0	-	0	50.12	-100.0%
WESTERN RAIL DELIVERY PRB	QP	0	30	-100.0%	0	-	13	47.96	-72.4%
WTI-BRENT BULLET SWAP	BY	0	0	-	0	-	2	0	-
WTI-BRENT CALENDAR SWAP	BK	1,382	531.78	159.9%	907	52.4%	572	585.82	-2.3%
WTI CALENDAR	CS	1,769	1,032.74	71.3%	1,548.95	14.2%	1,648	1,404.82	17.3%
WTS (ARGUS) VS WTI SWAP	FF	494	292.17	69.2%	174	184.1%	219	83.94	160.6%
WTS (ARGUS) VS WTI TRD MT	FH	70	37.17	89.5%	51.2	37.6%	33	51.08	-35.2%

### Energy Options

12 MO GASOIL CAL SWAP SPR	GXZ	0	0	-	0	-	1	0	-
1 MO GASOIL CAL SWAP SPR	GXA	0	0	-	0	-	0	0	-
BRENT CALENDAR SWAP	BA	0	26.09	-100.0%	93.75	-100.0%	32	66.83	-52.8%
BRENT OIL LAST DAY	BE	405	173.91	132.9%	417.25	-2.9%	200	203.66	-1.8%
BRENT OIL LAST DAY	BZO	2,339	1,279.3	82.8%	1,865.25	25.4%	1,387	747.35	85.6%
BRENT OIL LAST DAY	OS	22	26.26	-17.2%	0	-	22	70.39	-69.2%
COAL API2 INDEX	CLA	7	131.52	-95.0%	47.75	-86.3%	49	284.86	-82.9%
COAL API2 INDEX	CQA	0	36.96	-100.0%	0	-	4	605.56	-99.4%

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<b>Energy Options</b>									
COAL API2 INDEX	MTC	0	0	-	0	-	0	0.89	-66.7%
COAL API4 INDEX	RLA	0	0	-	0	-	0	0.3	-100.0%
COAL API4 INDEX	RQA	0	0	-	0	-	0	7.92	-100.0%
COAL SWAP	CPF	2	8.7	-80.0%	0	-	1	3.48	-69.2%
COAL SWAP	RPF	16	0	-	0	-	3	0.51	417.4%
CRUDE OIL 1MO	WA	8,424	11,124.91	-24.3%	9,113.75	-7.6%	8,521	11,788.87	-27.7%
CRUDE OIL APO	AO	2,918	1,929.91	51.2%	2,825.85	3.3%	1,932	1,295.74	49.1%
CRUDE OIL OUTRIGHTS	AH	0	49.57	-100.0%	0	-	0	13.63	-100.0%
CRUDE OIL OUTRIGHTS	DBP	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCI	334	0	-	0	-	46	0	-
CRUDE OIL PHY	CD	233	123.91	87.7%	120.25	93.4%	119	167.71	-29.0%
CRUDE OIL PHY	LC	574	551.52	4.0%	528.5	8.6%	1,302	1,685.49	-22.8%
CRUDE OIL PHY	LO	144,617	173,698.57	-16.7%	171,145.4	-15.5%	184,370	177,773.01	3.7%
CRUDE OIL PHY	LO1	1,103	468.7	135.2%	860.6	28.1%	681	273.17	149.2%
CRUDE OIL PHY	LO2	911	160.35	468.2%	675.1	35.0%	599	196.59	204.8%
CRUDE OIL PHY	LO3	445	228.61	94.9%	566.8	-21.4%	418	116.13	259.8%
CRUDE OIL PHY	LO4	893	187.61	376.2%	1,108.5	-19.4%	803	200.32	300.8%
CRUDE OIL PHY	LO5	3	0	-	0	-	208	92.55	124.2%
ELEC FINSETTLED	PML	0	0.61	-100.0%	0	-	0	1.35	-100.0%
ELEC MISO PEAK	9T	0	0	-	0	-	5	15.36	-68.2%
ETHANOL	CE1	0	0	-	0	-	0	0.15	200.0%
ETHANOL	CE3	1	0	-	0	-	2	0.15	1200.1%
ETHANOL SWAP	CVR	229	244.48	-6.4%	218.25	4.8%	244	263.8	-7.3%
ETHANOL SWAP	GVR	8	0	-	23.25	-63.5%	9	13.8	-31.8%
EURO-DENOMINATED PETRO PROD	NWE	0	0	-	0	-	0	0	-
EUROPEAN JET KEROSENE NWE (PLATTS)	30	0	0	-	0	-	0	0.36	-100.0%
GASOLINE	GCE	0	0	-	0	-	0	5.19	-100.0%
HEATING OIL CRACK OPTIONS	CH	0	0	-	0	-	1	0	-
HEATING OIL CRK SPD AVG PRICE OPTION	3W	0	0	-	0	-	0	0	-
HEATING OIL PHY	LB	6	30	-80.4%	2.6	125.8%	10	19.64	-48.4%
HEATING OIL PHY	OH	1,407	1,900.48	-26.0%	1,173.35	19.9%	1,526	2,618.39	-41.7%
HENRY HUB FINANCIAL LAST	E7	131	25.7	411.5%	156.8	-16.2%	169	94.86	78.1%
HO 1 MONTH CLNDR OPTIONS	FA	13	0	-	0	-	10	33.93	-71.9%
HUSTN SHIP CHNL PIPE SWP	PK	0	0	-	0	-	0	0	-
LLS CRUDE OIL	WJO	0	26.09	-100.0%	0	-	30	69.82	-56.5%
LLS CRUDE OIL	YVO	33	0	-	0	-	4	0	-

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<b>Energy Options</b>									
MCCLOSKEY ARA ARG5 COAL	MTO	0	0	-	0	-	8	53.54	-85.7%
MCCLOSKEY RCH BAY COAL	MFO	0	0	-	0	-	0	14.2	-100.0%
NATURAL GAS	G10	0	0	-	0	-	3	2.98	-10.0%
NATURAL GAS 1 M CSO FIN	G4	549	306.48	79.1%	484.75	13.2%	1,765	259.4	580.2%
NATURAL GAS 2 M CSO FIN	G2	0	0	-	0	-	21	5.95	255.0%
NATURAL GAS 3 M CSO FIN	G3	1,123	759.78	47.8%	381.25	194.5%	632	1,036.9	-39.0%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	0	-	24	7.14	237.5%
NATURAL GAS 6 M CSO FIN	G6	87	0	-	112.5	-22.7%	231	24.4	846.8%
NATURAL GAS OPTION ON CALENDAR STR	6J	26	114.35	-77.2%	72	-63.8%	45	95.29	-52.9%
NATURAL GAS PHY	KD	2,418	1,149.22	110.4%	1,802.85	34.1%	1,743	1,543.31	12.9%
NATURAL GAS PHY	LN	79,615	87,301.04	-8.8%	88,861.95	-10.4%	105,238	91,622.68	14.9%
NATURAL GAS PHY	ON	6,591	11,790	-44.1%	8,873.75	-25.7%	9,363	13,308.32	-29.6%
NATURAL GAS PHY	ON1	0	0.09	-100.0%	0	-	0	0.01	-100.0%
NG HH 3 MONTH CAL	IC	0	0	-	0	-	0	2.98	-100.0%
N ROCKIES PIPE SWAP	ZR	51	31.3	63.1%	18	183.6%	24	25.18	-4.7%
NY HARBOR HEAT OIL SWP	AT	111	220.04	-49.8%	215.4	-48.7%	165	281.4	-41.4%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-	118	2.5	4621.4%
NYMEX EUROPEAN GASOIL APO	F7	0	0	-	0	-	0	0	-
NYMEX EUROPEAN GASOIL OPT	F8	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-	17	0	-
PETROCHEMICALS	4H	59	41.26	43.1%	27.75	112.8%	28	62.02	-54.6%
PETROCHEMICALS	4J	12	0	-	0	-	16	26.52	-38.8%
PETROCHEMICALS	4K	9	39.13	-77.8%	10	-13.0%	2	5.36	-55.6%
PETROCHEMICALS	CPR	0	0	-	0	-	0	2.95	-96.4%
PETRO OUTRIGHT EURO	8H	0	0	-	0	-	2	0	-
PJM MONTHLY	JO	0	0	-	0	-	0	0	-
PJM WES HUB PEAK CAL MTH	6OA	11	7.39	52.9%	26.5	-57.3%	23	3.51	545.8%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-	0	61.31	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	23	317.43	-92.6%	24.6	-4.6%	75	54.83	37.1%
RBOB 1MO CAL SPD OPTIONS	ZA	89	0	-	72.9	22.3%	24	20.24	19.4%
RBOB CALENDAR SWAP	RA	10	13.04	-25.0%	0	-	14	36.3	-61.3%
RBOB PHY	OB	1,780	1,254.57	41.9%	1,220.2	45.9%	1,308	1,873.24	-30.2%
RBOB PHY	RF	0	0	-	0	-	1	0.12	325.1%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	5.22	-100.0%	0	-	0	3.1	-100.0%
SAN JUAN PIPE SWAP	PJ	0	66.78	-100.0%	9	-100.0%	12	46.71	-74.8%
SHORT TERM	U11	41	28.26	46.2%	42	-1.7%	25	13.39	88.4%

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<b>Energy Options</b>									
SHORT TERM	U12	0	23.91	-100.0%	4.5	-100.0%	22	19.82	10.5%
SHORT TERM	U13	0	0	-	21	-100.0%	12	20.3	-38.9%
SHORT TERM	U14	33	0	-	20.75	57.2%	15	26.34	-44.5%
SHORT TERM	U15	21	27.17	-21.6%	0	-	24	15.48	56.7%
SHORT TERM	U22	0	21.74	-100.0%	0	-	9	17.11	-45.1%
SHORT TERM	U23	2	17.39	-87.5%	0	-	6	6.43	-0.7%
SHORT TERM	U24	26	17.39	50.0%	12.5	108.7%	15	10.6	44.4%
SHORT TERM	U25	4	13.04	-70.0%	10	-60.9%	2	3.01	-22.8%
SHORT TERM	U26	0	0	-	0	-	2	7.32	-76.3%
SHORT TERM NATURAL GAS	U01	45	4.35	925.0%	12.5	256.5%	20	20.09	-1.8%
SHORT TERM NATURAL GAS	U02	22	7.61	185.7%	0	-	17	19.35	-10.0%
SHORT TERM NATURAL GAS	U03	4	9.57	-54.5%	0	-	13	5.63	134.9%
SHORT TERM NATURAL GAS	U04	6	69.57	-91.2%	0	-	5	24.4	-78.8%
SHORT TERM NATURAL GAS	U05	0	17.39	-100.0%	30	-100.0%	19	16.22	18.3%
SHORT TERM NATURAL GAS	U06	0	0	-	23	-100.0%	33	11.49	191.5%
SHORT TERM NATURAL GAS	U07	7	0	-	33.5	-80.5%	18	20.83	-11.9%
SHORT TERM NATURAL GAS	U08	21	51.09	-58.7%	0	-	23	19.18	20.1%
SHORT TERM NATURAL GAS	U09	39	26.09	50.0%	0	-	21	23.76	-9.8%
SHORT TERM NATURAL GAS	U10	29	18.7	54.7%	56.5	-48.8%	33	23.78	39.0%
SHORT TERM NATURAL GAS	U16	67	0	-	0	-	22	19.7	10.9%
SHORT TERM NATURAL GAS	U17	16	7.61	114.3%	51	-68.0%	20	5.68	246.0%
SHORT TERM NATURAL GAS	U18	24	31.52	-24.1%	3.5	583.2%	6	16.7	-63.0%
SHORT TERM NATURAL GAS	U19	0	8.7	-100.0%	19	-100.0%	22	7.62	187.9%
SHORT TERM NATURAL GAS	U20	0	0	-	14.5	-100.0%	17	6.13	172.3%
SHORT TERM NATURAL GAS	U21	4	0	-	9.7	-55.2%	11	3.42	230.3%
SHORT TERM NATURAL GAS	U27	0	0	-	0	-	11	5.36	107.8%
SHORT TERM NATURAL GAS	U28	0	0	-	10	-100.0%	10	19.49	-51.0%
SHORT TERM NATURAL GAS	U29	7	3.26	100.0%	0	-	2	15.03	-83.8%
SHORT TERM NATURAL GAS	U30	16	10.87	46.0%	0	-	20	5.06	302.4%
SHORT TERM NATURAL GAS	U31	4	4.35	0.0%	20	-78.3%	34	5.06	576.5%
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-	0	0	-
SINGAPORE JET FUEL CALEND	N2	0	0	-	0	-	0	0	-
SOCAL PIPE SWAP	ZN	0	0	-	0	-	0	59.52	-100.0%
WTI-BRENT BULLET SWAP	BV	1,379	661.3	108.5%	367.6	275.1%	1,602	905.06	77.0%
WTI CRUDE OIL 1 M CSO FI	7A	3,957	3,386.96	16.8%	1,437.5	175.2%	2,821	7,471.98	-62.2%

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	Commodity	ADV AUG 2017	ADV AUG 2016	% CHG	ADV JUL 2017	% CHG	ADV Y.T.D 2017	ADV Y.T.D 2016	% CHG
Commodities and Alternative Investments Futures									
	CJ	0	22.48	-100.0%	0	-	0	12.11	-96.0%
	KT	0	0.26	-100.0%	0	-	0	0.85	-72.0%
	TT	0	3.35	-100.0%	0	-	0	3.26	-97.3%
	YO	0	1	-87.0%	0.25	-47.8%	0	2.39	-90.0%
TOTAL FUTURES GROUP									
	Commodities and Alternative Investments Futures	0	27.09	-99.5%	0.25	-47.8%	1	18.6	-94.4%
	Energy Futures	2,526,071	1,934,229.91	30.6%	2,314,401.9	9.1%	2,270,869	2,054,184.69	10.5%
	Metals Futures	568,741	380,935.26	49.3%	502,569.4	13.2%	492,848	414,930.12	18.8%
	TOTAL FUTURES	3,094,812	2,315,192.26	33.7%	2,816,971.55	9.9%	2,763,718.57	2,469,133.41	11.9%
TOTAL OPTIONS GROUP									
	Energy Options	263,411	300,318.7	-12.3%	295,355.45	-10.8%	328,546	318,084.46	3.3%
	Metals Options	53,412	32,650.39	63.6%	47,495.95	12.5%	46,418	44,581.38	4.1%
	TOTAL OPTIONS	316,823	332,969.09	-4.8%	342,851.4	-7.6%	374,963.98	362,665.84	3.4%
TOTAL COMBINED									
	Metals	622,153	413,585.65	50.4%	550,065.35	13.1%	539,266	459,511.49	17.4%
	Energy	2,789,483	2,234,548.61	24.8%	2,609,757.35	6.9%	2,599,415	2,372,269.15	9.6%
	Commodities and Alternative Investments	0	27.09	-99.5%	0.25	-47.8%	1	18.6	-94.4%
	GRAND TOTAL	3,411,636	2,648,161.35	28.8%	3,159,822.95	8.0%	3,138,682.55	2,831,799.24	10.8%