



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest JUL 2016	Open Interest JUL 2015	% CHG	Open Interest JUN 2016	% CHG
Commodities and Alternative Investments Futures					
COCOA TAS	47	83	-43.4%	29	62.1%
COFFEE	3	22	-86.4%	3	0.0%
COTTON	22	18	22.2%	4	450.0%
SUGAR 11	9	33	-72.7%	12	-25.0%
Energy Futures					
CRUDE OIL PHY	1,776,158	1,725,100	3.0%	1,750,691	1.5%
CRUDE OIL	4,964	12,723	-61.0%	4,912	1.1%
MINY WTI CRUDE OIL	4,866	7,858	-38.1%	3,076	58.2%
BRENT OIL LAST DAY	155,521	148,427	4.8%	169,497	-8.2%
HEATING OIL PHY	384,183	403,237	-4.7%	378,361	1.5%
HTG OIL	3,334	120	2,678.3%	3,446	-3.3%
MINY HTG OIL	1	1	0.0%	1	0.0%
RBOB PHY	393,880	357,228	10.3%	387,931	1.5%
MINY RBOB GAS	1	0	-	0	0.0%
NATURAL GAS	123,423	97,271	26.9%	118,102	4.5%
LTD NAT GAS	276,046	390,637	-29.3%	282,263	-2.2%
MINY NATURAL GAS	2,545	1,563	62.8%	2,609	-2.5%
PJM MONTHLY	8,884	13,548	-34.4%	9,356	-5.0%
NATURAL GAS PHY	996,494	973,490	2.4%	1,054,914	-5.5%
RBOB GAS	3,000	524	472.5%	2,441	22.9%
3.5% FUEL OIL CID MED SWA	882	77	1,045.5%	893	-1.2%
3.5% FUEL OIL CIF BALMO S	0	0	-	0	-
AEP-DAYTON HUB DAILY	302	0	-	238	26.9%
AEP-DAYTON HUB MTHLY	1,302	2,692	-51.6%	1,379	-5.6%
AEP-DAYTON HUB OFF-PEAK M	1,002	3,144	-68.1%	1,069	-6.3%
ALGON CITY GATES NAT GAS	3,664	0	-	2,448	49.7%
ALGONQUIN CITYGATES BASIS	3,403	731	365.5%	2,581	31.8%
ANR LOUISIANA BASIS SWAP	368	920	-60.0%	492	-25.2%
ANR OKLAHOMA	5,345	7,753	-31.1%	5,500	-2.8%
APPALACHIAN COAL (PHY)	20	434	-95.4%	25	-20.0%
ARGUS LLS VS. WTI (ARG) T	12,535	10,997	14.0%	16,343	-23.3%
ARGUS PROPAN FAR EST INDE	2,307	583	295.7%	2,221	3.9%
ARGUS PROPAN(SAUDI ARAMCO	1,085	328	230.8%	1,247	-13.0%
AUSTRIALIAN COKE COAL	1,000	872	14.7%	1,063	-5.9%
BRENT BALMO SWAP	40	420	-90.5%	0	-
BRENT CALENDAR SWAP	17,812	28,588	-37.7%	17,677	0.8%
BRENT CFD(PLATTS) VS FRNT	0	0	-	0	-
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	7,093	8,491	-16.5%	6,923	2.5%
BRENT FINANCIAL FUTURES	30	0	-	30	0.0%
BRENT FINANCIAL FUTURES	105	330	-68.2%	63	66.7%
BRENT OIL LAST DAY	0	0	0.0%	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	0	0.0%
CANADIAN LIGHT SWEET OIL	10,425	812	1,183.9%	11,078	-5.9%
CARBON EUA EMISSIONS EURO	0	0	-	0	-
CENTERPOINT BASIS SWAP	22,294	16,968	31.4%	22,188	0.5%
CENTERPOINT EAST INDEX	740	341	117.0%	0	-
CENTER POINT NAT GAS FIXED PRICE	0	32	-100.0%	0	-
CHICAGO ETHANOL SWAP	52,308	55,108	-5.1%	57,609	-9.2%
CHICAGO ULSD (PLATTS) SWA	18	63	-71.4%	21	-14.3%

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Energy Futures						
CHICAGO ULSD PL VS HO SPR	5C	1,501	2,594	-42.1%	1,423	5.5%
CHICAGO UNL GAS PL VS RBO	3C	54	202	-73.3%	607	-91.1%
CIG BASIS	CI	53,998	14,863	263.3%	52,232	3.4%
CIG ROCKIES NG INDEX SWA	Z8	124	0	-	0	-
CINERGY HUB OFF-PEAK MONT	EJ	464	792	-41.4%	508	-8.7%
CINERGY HUB PEAK MONTH	EM	372	900	-58.7%	386	-3.6%
CIN HUB 5MW D AH O PK	K2	260,120	276,776	-6.0%	316,480	-17.8%
CIN HUB 5MW D AH PK	H5	19,111	18,894	1.1%	21,038	-9.2%
CIN HUB 5MW REAL TIME O P	H4	617,912	464,784	32.9%	720,824	-14.3%
CIN HUB 5MW REAL TIME PK	H3	47,493	16,969	179.9%	50,274	-5.5%
COAL SWAP	ACM	120	290	-58.6%	90	33.3%
COAL SWAP	SSI	50	919	-94.6%	30	66.7%
COLUMB GULF MAINLINE NG B	5Z	29,702	41,125	-27.8%	32,924	-9.8%
COLUMBIA GULF MAIN NAT G	L2	1,476	0	-	1,836	-19.6%
COLUMBIA GULF NAT GAS FIXED PRICE	DCE	0	488	-100.0%	0	-
COLUMBIA GULF ONSHORE	GL	21,867	29,783	-26.6%	22,797	-4.1%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	709	228	211.0%	745	-4.8%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	255	685	-62.8%	330	-22.7%
CONWAY PROPANE 5 DECIMALS SWAP	8K	15,229	10,427	46.1%	16,399	-7.1%
CRUDE OIL	CHB	0	0	-	0	-
CRUDE OIL	LPS	19,901	5,255	278.7%	19,410	2.5%
CRUDE OIL LAST DAY	26	0	0	-	0	-
CRUDE OIL OUTRIGHTS	37	0	0	-	0	-
CRUDE OIL OUTRIGHTS	42	180	1,793	-90.0%	12	1,400.0%
CRUDE OIL OUTRIGHTS	DBL	0	16,485	-100.0%	400	-100.0%
CRUDE OIL OUTRIGHTS	FE	0	30	-100.0%	0	-
CRUDE OIL OUTRIGHTS	GSW	30	0	-	0	-
CRUDE OIL OUTRIGHTS	HTT	6,500	0	-	2,712	139.7%
CRUDE OIL OUTRIGHTS	WCC	11,920	10,876	9.6%	13,273	-10.2%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL SPRDS	38	0	0	-	0	-
CRUDE OIL SPRDS	KE	0	0	-	0	-
CRUDE OIL SPRDS	WTT	11,200	945	1,085.2%	7,470	49.9%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	14,112	0	-	10,848	30.1%
DAILY PJM	IDO	29,184	0	-	27,864	4.7%
DAILY PJM	NOC	20,304	0	-	13,536	50.0%
DAILY PJM	PAP	980	1,483	-33.9%	875	12.0%
DAILY PJM	PEO	23,040	26,784	-14.0%	22,160	4.0%
DAILY PJM	PNO	61,544	15,912	286.8%	59,448	3.5%
DAILY PJM	PNP	3,029	0	-	2,680	13.0%
DAILY PJM	PWO	83,968	17,136	390.0%	80,008	4.9%
DAILY PJM	PWP	4,900	0	-	4,095	19.7%
DAILY PJM	WOR	82,368	0	-	36,480	125.8%
DAILY PJM	ZAO	33,280	0	-	39,088	-14.9%
DAILY PJM	ZGO	17,408	0	-	17,408	0.0%
DAILY PJM	ZJO	2,560	0	-	3,088	-17.1%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	11,095	15,244	-27.2%	10,128	9.5%
DEMARC INDEX FUTURE	DI	620	0	-	800	-22.5%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DIESEL 10PPM BARGES FOB B	U7	0	0	-	0	-
DIESEL10PPM BARG VS ICE LS	LSE	0	0	-	0	-

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DLY GAS EURO-BOB OXY	40	0	-	0	-
DOMINION TRAN INC - APP I	8,303	0	-	9,203	-9.8%
DOMINION TRANSMISSION INC	47,462	21,493	120.8%	48,024	-1.2%
DUBAI CRUDE OIL BALMO	275	0	-	0	-
DUBAI CRUDE OIL CALENDAR	4,650	7,566	-38.5%	2,521	84.5%
DY EURO 3.5% FUEL OI RDA	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	2,205	3,999	-44.9%	2,232	-1.2%
EAST/WEST FUEL OIL SPREAD	325	1,412	-77.0%	328	-0.9%
EIA FLAT TAX ONHWAY DIESE	5,200	5,706	-8.9%	5,024	3.5%
ELEC ERCOT DLY OFF PK	0	0	-	0	-
ELEC ERCOT DLY PEAK	42	0	-	42	0.0%
ELEC ERCOT DLY PEAK	0	0	-	0	-
ELEC ERCOT DLY PEAK	0	2,838	-100.0%	0	-
ELEC ERCOT DLY PEAK	0	0	-	0	-
ELEC ERCOT OFF PEAK	0	0	-	0	-
ELEC ERCOT OFF PEAK	0	51,766	-100.0%	0	-
ELEC FINSETTLED	2,804	129	2,073.6%	2,804	0.0%
ELEC FINSETTLED	635	0	-	745	-14.8%
ELEC MISO PEAK	635	1,275	-50.2%	745	-14.8%
ELEC MISO PEAK	1,524	510	198.8%	1,612	-5.5%
ELEC NYISO OFF-PEAK	11,925	23,520	-49.3%	13,765	-13.4%
ELEC NYISO OFF-PEAK	28,324	9,408	201.1%	29,796	-4.9%
ELECTRICITY ERCOT PEAK	0	0	-	0	-
ELECTRICITY OFF PEAK	51,544	2,353	2,090.6%	51,544	0.0%
ELECTRICITY OFF PEAK	0	16,386	-100.0%	0	-
ELECTRICITY OFF PEAK	11,925	0	-	13,765	-13.4%
EL PASO PERMIAN INDEX SWA	1,240	0	-	620	100.0%
EMMISSIONS	0	250	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	720	0	-	480	50.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	9,805	58,815	-83.3%	11,925	-17.8%
ERCOT NORTH ZMCPE 5MW PEAK	749	5,784	-87.1%	889	-15.7%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	2,643	4,688	-43.6%	3,142	-15.9%
EU LOW SULPHUR GASOIL CRACK	0	0	-	0	-
EURO 1% FUEL OIL NEW BALM	0	0	-	0	-
EURO 3.5% FUEL OIL M CRK	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	182	385	-52.7%	262	-30.5%
EURO 3.5% FUEL OIL SPREAD	780	2,207	-64.7%	859	-9.2%
EURO-DENOMINATED PETRO PROD	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	88	44	100.0%	0	-
EURO GASOIL 10 CAL SWAP	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	594	229	159.4%	635	-6.5%
EUROPE 1% FUEL OIL NWE CA	749	445	68.3%	332	125.6%
EUROPE 1% FUEL OIL RDAM C	71	80	-11.3%	72	-1.4%
EUROPE 3.5% FUEL OIL MED	963	74	1,201.4%	989	-2.6%
EUROPE 3.5% FUEL OIL RDAM	8,390	10,767	-22.1%	8,761	-4.2%
EUROPEAN GASOIL (ICE)	4,642	2,469	88.0%	3,578	29.7%
EUROPEAN NAPHTHA BALMO	128	60	113.3%	166	-22.9%
EUROPEAN NAPHTHA CRACK SPR	9,787	13,708	-28.6%	9,518	2.8%
EUROPE DATED BRENT SWAP	3,720	3,496	6.4%	3,215	15.7%
EUROPE JET KERO NWE CALSW	18	92	-80.4%	23	-21.7%
EUROPE NAPHTHA CALSWAP	1,873	1,546	21.2%	1,614	16.0%
EURO PROPANE CIF ARA SWA	1,689	924	82.8%	1,726	-2.1%

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Energy Futures						
FL GAS ZONE 3 NAT GAS IND	Q9	8,310	0	-	8,310	0.0%
FLORIDA GAS ZONE3 BASIS S	FP	1,792	6,910	-74.1%	1,282	39.8%
FREIGHT MARKETS	FLP	1,013	129	685.3%	1,081	-6.3%
FREIGHT MARKETS	FRC	0	0	-	0	-
FUEL OIL CRACK VS ICE	FO	20,081	15,135	32.7%	19,723	1.8%
FUEL OIL NWE CRACK VS ICE	FI	114	318	-64.2%	165	-30.9%
FUEL OIL (PLATS) CAR CM	1W	1,029	81	1,170.4%	119	764.7%
FUEL OIL (PLATS) CAR CN	1X	72	75	-4.0%	75	-4.0%
FUELOIL SWAP:CARGOES VS.B	FS	1,164	2,077	-44.0%	1,305	-10.8%
GAS EURO-BOB OXY NWE BARGES	7H	6,385	7,064	-9.6%	7,145	-10.6%
GAS EURO-BOB OXY NWE BARGES CRK	7K	26,067	36,019	-27.6%	28,514	-8.6%
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	-	0	-
GASOIL 0.1 CARGOES CIF NE	TW	0	0	-	0	-
GASOIL 0.1 CIF MED BALMO	X6	0	0	-	0	-
GASOIL 0.1 CIF MED SWAP	Z4	15	0	-	20	-25.0%
GASOIL 0.1CIF MED VS ICE	Z5	40	41	-2.4%	5	700.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	111	-100.0%	0	-
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	-	0	-
GASOIL 0.1 CRG CIF NW VS	4V	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	59	66	-10.6%	65	-9.2%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	-	0	-
GASOIL 10P CRG CIF NW VS	3V	0	10	-100.0%	0	-
GASOIL 10PPM CARGOES CIF	TY	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	TP	552	570	-3.2%	522	5.7%
GASOIL BULLET SWAP	BG	0	0	-	0	-
GASOIL CALENDAR SWAP	GX	178	93	91.4%	154	15.6%
GASOIL CRACK SPREAD CALEN	GZ	15,208	13,110	16.0%	17,991	-15.5%
GASOIL MINI CALENDAR SWAP	QA	672	1,193	-43.7%	801	-16.1%
GASOLINE UP-DOWN (ARGUS)	UZ	0	0	-	0	-
GASOLINE UP-DOWN BALMO SW	1K	0	350	-100.0%	0	-
GC ULSD VS GC JET SPREAD	VV	0	0	-	0	-
GROUP THREE ULSD (PLATTS)	A7	0	6	-100.0%	0	-
GRP THREE ULSD(PLT)VS HEA	A6	6,918	11,218	-38.3%	6,270	10.3%
GRP THREE UNL GS (PLT) VS	A8	3,237	4,786	-32.4%	2,974	8.8%
GULF COAST 3% FUEL OIL BA	VZ	242	859	-71.8%	192	26.0%
GULF COAST GASOLINE CLNDR	GS	0	1,721	-100.0%	0	-
GULF COAST JET FUEL CLNDR	GE	1,185	1,810	-34.5%	1,129	5.0%
GULF COAST JET VS NYM 2 H	ME	41,915	38,959	7.6%	43,392	-3.4%
GULF COAST NO.6 FUEL OIL	MF	54,380	68,977	-21.2%	50,157	8.4%
GULF COAST NO.6 FUEL OIL	MG	7,155	8,884	-19.5%	7,435	-3.8%
GULF COAST ULSD CALENDAR	LY	4,444	6,121	-27.4%	4,440	0.1%
GULF COAST ULSD CRACK SPR	GY	5,998	10,746	-44.2%	6,395	-6.2%
HEATING OIL BALMO CLNDR S	1G	25	185	-86.5%	0	-
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%
HEATING OIL VS ICE GASOIL	HA	0	0	-	0	-
HENRY HUB BASIS SWAP	HB	55,279	55,942	-1.2%	52,035	6.2%
HENRY HUB INDEX SWAP FUTU	IN	30,391	29,011	4.8%	26,407	15.1%
HENRY HUB SWAP	NN	1,369,747	1,655,563	-17.3%	1,389,951	-1.5%
HENRY HUB SWING FUTURE	SN	0	0	-	0	-
HOUSTON SHIP CHANNEL BASI	NH	30,326	20,408	48.6%	31,992	-5.2%
HOUSTON SHIP CHANNEL INDE	IP	186	0	-	0	-
HUSTN SHIP CHNL PIPE SWP	XJ	3,425	4,073	-15.9%	3,425	0.0%

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ICE BRENT DUBAI SWAP	DB	1,080	1,395	-22.6%	1,465	-26.3%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-
IN DELIVERY MONTH EUA	6T	48,850	86,641	-43.6%	48,850	0.0%
INDIANA MISO	FAD	13,000	6,048	114.9%	13,000	0.0%
INDIANA MISO	FDM	0	0	-	0	-
INDIANA MISO	FTD	6,912	3,168	118.2%	6,528	5.9%
INDIANA MISO	FTM	23,850	94,100	-74.7%	27,530	-13.4%
INDIANA MISO	PDD	1,015	324	213.3%	898	13.0%
INDIANA MISO	PDM	0	4,227	-100.0%	22	-100.0%
INDIANA MISO	PTD	1,113	189	488.9%	420	165.0%
INDIANA MISO	PTM	0	3,225	-100.0%	0	-
INDONESIAN COAL	MCC	60	390	-84.6%	45	33.3%
ISO NEW ENGLAND OFF-PEAK	KI	396	984	-59.8%	434	-8.8%
ISO NEW ENGLAND PK LMP	NI	434	1,266	-65.7%	469	-7.5%
JAPAN C&F NAPHTHA CRACK S	JB	883	291	203.4%	666	32.6%
JAPAN C&F NAPHTHA SWAP	JA	1,865	1,320	41.3%	1,990	-6.3%
JAPAN NAPHTHA BALMO SWAP	E6	5	0	-	0	-
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	68	127	-46.5%	43	58.1%
JET BARGES VS ICE GASOIL	JR	0	15	-100.0%	2	-100.0%
JET CIF NWE VS ICE	JC	532	571	-6.8%	485	9.7%
JET FUEL BRG FOB RDM VS I	9Q	0	0	-	0	-
JET FUEL CARGOES CIF NEW	F3	0	0	-	0	-
JET FUEL CRG CIF NEW VS I	6X	0	0	-	0	-
JET FUEL UP-DOWN BALMO CL	1M	1,340	3,115	-57.0%	1,150	16.5%
LA CARB DIESEL (OPIS)	LX	104	80	30.0%	117	-11.1%
LA CARB DIESEL (OPIS) SWA	KL	1,000	1,642	-39.1%	1,440	-30.6%
LA CARBOB GASOLINE(OPIS)S	JL	600	675	-11.1%	825	-27.3%
LA JET FUEL VS NYM NO 2 H	MQ	445	130	242.3%	503	-11.5%
LA JET (OPIS) SWAP	JS	2,775	1,145	142.4%	2,960	-6.3%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	WJ	37,815	50,160	-24.6%	39,593	-4.5%
MARS (ARGUS) VS WTI SWAP	YX	13,082	15,120	-13.5%	15,117	-13.5%
MARS (ARGUS) VS WTI TRD M	YV	10,316	985	947.3%	8,642	19.4%
MARS BLEND CRUDE OIL	MB	3,099	0	-	4,099	-24.4%
MCCLOSKEY ARA ARGS COAL	MTF	112,421	135,141	-16.8%	117,953	-4.7%
MCCLOSKEY RCH BAY COAL	MFF	18,791	34,362	-45.3%	17,834	5.4%
MGF FUT	MGF	54	16	237.5%	76	-28.9%
MGN1 SWAP FUT	MGN	574	427	34.4%	581	-1.2%
MICHCON NG INDEX SWAP	Y8	1,840	0	-	0	-
MICHIGAN BASIS	NF	10,637	3,124	240.5%	10,583	0.5%
MICHIGAN HUB OFF-PEAK MON	HJ	0	0	-	0	-
MICHIGAN HUB PEAK MONTH S	HM	0	0	-	0	-
MICHIGAN MISO	HMO	202,688	166,784	21.5%	210,784	-3.8%
MICHIGAN MISO	HMW	13,464	11,592	16.1%	13,948	-3.5%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	341	208	63.9%	371	-8.1%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	200	60	233.3%	0	-
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	1,445	1,174	23.1%	1,712	-15.6%
MISO 5MW OFF PEAK	4R	0	0	-	0	-
MISO 5MW PEAK	4Q	0	0	-	0	-
MJB FUT	MJB	0	0	-	0	-
MJC FUT	MJC	469	260	80.4%	359	30.6%
MNC FUT	MNC	4,840	4,674	3.6%	3,834	26.2%
MONT BELVIEU ETHANE 5 DECIMAL	C0	80,053	19,178	317.4%	76,937	4.1%

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Energy Futures						
MONT BELVIEU ETHANE OPIS BALMO	8C	110	430	-74.4%	60	83.3%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	139,919	71,043	96.9%	149,359	-6.3%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	765	415	84.3%	2,145	-64.3%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	18,724	10,008	87.1%	18,075	3.6%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	82	603	-86.4%	380	-78.4%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	33,732	28,859	16.9%	33,224	1.5%
MONT BELVIEU NORMAL BUTANE BALMO	8J	626	767	-18.4%	1,288	-51.4%
NAT GAS BASIS SWAP	SGW	0	40	-100.0%	0	-
NAT GAS BASIS SWAP	TZ6	13,823	1,880	635.3%	14,536	-4.9%
NATURAL GAS	XAC	0	0	-	0	-
NATURAL GAS	XSC	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	CFS	612	3,416	-82.1%	736	-16.8%
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	3,132	6,452	-51.5%	3,436	-8.8%
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	612	1,464	-58.2%	736	-16.8%
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	110	496	-77.8%	132	-16.7%
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	138	572	-75.9%	166	-16.9%
NATURAL GAS FIXED PRICE SWAP FUTURES	Z5P	0	448	-100.0%	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	20	84	-76.2%	24	-16.7%
NATURAL GAS INDEX	TZI	3,128	0	-	4,990	-37.3%
NATURAL GAS PEN SWP	NP	312,835	457,120	-31.6%	323,334	-3.2%
NEPOOL CNCTCT 5MW D AH O	P3	16,621	9,402	76.8%	16,621	0.0%
NEPOOL CONECTIC 5MW D AH	P2	889	512	73.6%	889	0.0%
NEPOOL INTR HUB 5MW D AH	H2	340,161	292,373	16.3%	361,593	-5.9%
NEPOOL INTR HUB 5MW D AH	U6	21,739	18,720	16.1%	23,510	-7.5%
NEPOOL MAINE 5MW D AH O E	W2	0	0	-	0	-
NEPOOL MAINE 5MW D AH PK	P9	0	0	-	0	-
NEPOOL NE MASS 5MW D AH O	P8	0	13,332	-100.0%	0	-
NEPOOL NE MASS 5MW D AH P	P7	425	1,081	-60.7%	535	-20.6%
NEPOOL NEW HAMP 5MW D AH	U2	0	258	-100.0%	0	-
NEPOOL NEW HAMP 5MW D AH	U3	0	4,706	-100.0%	0	-
NEPOOL RHD ISLD 5MW D AH	U4	6,041	11,026	-45.2%	6,679	-9.6%
NEPOOL RHODE IL 5MW D AH	U5	95,735	186,555	-48.7%	103,831	-7.8%
NEPOOL SE MASS 5MW D AH O	P5	0	2,353	-100.0%	0	-
NEPOOL SE MASS 5MW D AH P	P4	0	129	-100.0%	0	-
NEPOOL W CNT MASS 5MW D A	L9	34,772	41,216	-15.6%	39,924	-12.9%
NEPOOL W CNTR M 5MW D AH	R6	3,253	2,203	47.7%	3,693	-11.9%
NEW ENGLAND HUB PEAK DAIL	CE	2,728	0	-	2,422	12.6%
NEW YORK ETHANOL SWAP	EZ	1,250	2,915	-57.1%	1,375	-9.1%
NEW YORK HUB ZONE G PEAK	GN	3,107	0	-	2,563	21.2%
NEW YORK HUB ZONE J PEAK	JN	2,244	0	-	1,771	26.7%
NGPL MID-CONTINENT	NL	41,343	40,000	3.4%	40,498	2.1%
NGPL MIDCONTINENT INDEX	IW	3,297	0	-	4,861	-32.2%
NGPL MIDCONTINENT SWING S	PX	80	0	-	620	-87.1%
NGPL TEX/OK	PD	51,863	76,468	-32.2%	53,700	-3.4%
NGPL TEXOK INDEX	OI	0	0	-	60	-100.0%
NGPL TEXOK SWING SWAP	OX	0	0	-	0	-
N ILLINOIS HUB DAILY	UD	178	0	-	208	-14.4%
N ILLINOIS HUB MTHLY	UM	360	1,176	-69.4%	380	-5.3%
NO 2 UP-DOWN SPREAD CALEN	UT	203	317	-36.0%	22	822.7%
NORTHEN NATURAL GAS DEMAR	PE	2,143	1,669	28.4%	2,262	-5.3%
NORTHEN NATURAL GAS VENTU	PF	5,633	5,194	8.5%	4,760	18.3%
NORTHERN ILLINOIS OFF-PEA	UO	480	1,714	-72.0%	560	-14.3%
NORTHWEST ROCKIES BASIS S	NR	88,092	30,846	185.6%	89,927	-2.0%



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Energy Futures						
N ROCKIES PIPE SWAP	XR	668	991	-32.6%	668	0.0%
NY1% VS GC SPREAD SWAP	VR	6,511	5,403	20.5%	6,850	-4.9%
NY 2.2% FUEL OIL (PLATTS	Y3	220	125	76.0%	220	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	550	800	-31.3%	700	-21.4%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	14,168	20,067	-29.4%	15,096	-6.1%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	2,651	2,897	-8.5%	2,506	5.8%
NY HARBOR LOW SULPUR GASOIL 1000MT	SLS	0	0	-	0	-
NY HARBOR RESIDUAL FUEL 1	MM	5,374	4,412	21.8%	5,962	-9.9%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	13,718	15,419	-11.0%	15,457	-11.3%
NY H OIL PLATTS VS NYMEX	YH	0	41	-100.0%	0	-
NYISO A	KA	2,560	7,870	-67.5%	3,000	-14.7%
NYISO A OFF-PEAK	KB	790	2,676	-70.5%	920	-14.1%
NYISO CAPACITY	LHV	114	0	-	72	58.3%
NYISO CAPACITY	NNC	2,036	1,241	64.1%	2,146	-5.1%
NYISO CAPACITY	NRS	2,549	2,052	24.2%	2,743	-7.1%
NYISO G	KG	254	2,377	-89.3%	298	-14.8%
NYISO G OFF-PEAK	KH	150	814	-81.6%	170	-11.8%
NYISO J	KJ	3,882	7,029	-44.8%	4,278	-9.3%
NYISO J OFF-PEAK	KK	722	1,434	-49.7%	774	-6.7%
NYISO ZONE A 5MW D AH O P	K4	253,031	449,137	-43.7%	277,471	-8.8%
NYISO ZONE A 5MW D AH PK	K3	10,191	24,190	-57.9%	10,950	-6.9%
NYISO ZONE C 5MW D AH O P	A3	40,455	28,226	43.3%	68,055	-40.6%
NYISO ZONE C 5MW D AH PK	Q5	2,147	1,533	40.1%	2,257	-4.9%
NYISO ZONE G 5MW D AH O P	D2	393,340	258,736	52.0%	326,564	20.4%
NYISO ZONE G 5MW D AH PK	T3	24,119	20,987	14.9%	23,198	4.0%
NYISO ZONE J 5MW D AH O P	D4	132,437	100,350	32.0%	134,317	-1.4%
NYISO ZONE J 5MW D AH PK	D3	10,127	10,073	0.5%	11,645	-13.0%
NY JET FUEL (ARGUS) VS HEATING OIL	5U	0	0	-	0	-
NY JET FUEL (PLATTS) HEAT OIL SWAP	1U	0	225	-100.0%	0	-
NYMEX ALUMINUM FUTURES	AN	1,462	0	-	1,223	19.5%
NYMEX ULSD VS NYMEX HO	UY	285	1,203	-76.3%	315	-9.5%
NY ULSD (ARGUS) VS HEATING OIL	7Y	1,213	8,764	-86.2%	1,286	-5.7%
ONEOK OKLAHOMA NG BASIS	8X	3,015	3,524	-14.4%	3,290	-8.4%
ONTARIO POWER SWAPS	OFD	3,312	1,344	146.4%	2,208	50.0%
ONTARIO POWER SWAPS	OFM	92,063	188,625	-51.2%	101,815	-9.6%
ONTARIO POWER SWAPS	OPD	120	204	-41.2%	180	-33.3%
ONTARIO POWER SWAPS	OPM	3,410	10,737	-68.2%	3,810	-10.5%
PANHANDLE BASIS SWAP FUTU	PH	45,394	53,866	-15.7%	46,464	-2.3%
PANHANDLE INDEX SWAP FUTU	IV	1,922	0	-	1,922	0.0%
PANHANDLE PIPE SWAP	XH	0	314	-100.0%	0	-
PERMIAN BASIS SWAP	PM	16,928	5,618	201.3%	15,990	5.9%
PETROCHEMICALS	22	15	21	-28.6%	39	-61.5%
PETROCHEMICALS	32	45	24	87.5%	54	-16.7%
PETROCHEMICALS	51	0	0	-	0	-
PETROCHEMICALS	81	0	0	-	0	-
PETROCHEMICALS	8I	1,577	3,597	-56.2%	1,664	-5.2%
PETROCHEMICALS	91	465	80	481.3%	467	-0.4%
PETROCHEMICALS	HPE	24	141	-83.0%	28	-14.3%
PETROCHEMICALS	LPE	0	72	-100.0%	0	-
PETROCHEMICALS	MAC	0	0	-	10	-100.0%
PETROCHEMICALS	MAE	150	70	114.3%	135	11.1%



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Energy Futures						
PETROCHEMICALS	MAS	65	55	18.2%	290	-77.6%
PETROCHEMICALS	MBE	3,550	3,040	16.8%	3,550	0.0%
PETROCHEMICALS	MNB	3,325	2,649	25.5%	2,961	12.3%
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	75	-100.0%
PETRO CRCKS & SPRDS ASIA	STR	0	150	-100.0%	64	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	-	0	-
PETRO CRCKS & SPRDS NA	CBA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	CRB	592	1,457	-59.4%	318	86.2%
PETRO CRCKS & SPRDS NA	EXR	1,618	1,542	4.9%	1,877	-13.8%
PETRO CRCKS & SPRDS NA	FOC	3,900	1,500	160.0%	3,075	26.8%
PETRO CRCKS & SPRDS NA	GBB	30	0	-	705	-95.7%
PETRO CRCKS & SPRDS NA	GCC	225	0	-	300	-25.0%
PETRO CRCKS & SPRDS NA	GCI	3,759	3,352	12.1%	2,937	28.0%
PETRO CRCKS & SPRDS NA	GCM	38	0	-	17	123.5%
PETRO CRCKS & SPRDS NA	GCU	26,244	31,374	-16.4%	26,386	-0.5%
PETRO CRCKS & SPRDS NA	GFC	104	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	14,840	16,208	-8.4%	15,728	-5.6%
PETRO CRCKS & SPRDS NA	KSD	0	150	-100.0%	0	-
PETRO CRCKS & SPRDS NA	MFR	30	0	-	30	0.0%
PETRO CRCKS & SPRDS NA	NFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NFG	0	150	-100.0%	100	-100.0%
PETRO CRCKS & SPRDS NA	NYF	250	825	-69.7%	300	-16.7%
PETRO CRCKS & SPRDS NA	NYH	300	0	-	300	0.0%
PETRO CRCKS & SPRDS NA	RBB	19,439	26,581	-26.9%	18,707	3.9%
PETRO CRCKS & SPRDS NA	RVG	16,122	425	3,693.4%	15,417	4.6%
PETRO CRCKS & SPRDS NA	SF3	15	0	-	15	0.0%
PETRO CRK&SPRD EURO	1NB	3,915	6,345	-38.3%	3,831	2.2%
PETRO CRK&SPRD EURO	1ND	0	50	-100.0%	0	-
PETRO CRK&SPRD EURO	43	45	162	-72.2%	69	-34.8%
PETRO CRK&SPRD EURO	BFR	30	50	-40.0%	45	-33.3%
PETRO CRK&SPRD EURO	BOB	5,030	3,380	48.8%	5,616	-10.4%
PETRO CRK&SPRD EURO	EBF	0	0	-	0	-
PETRO CRK&SPRD EURO	EOB	83	111	-25.2%	97	-14.4%
PETRO CRK&SPRD EURO	EPN	505	199	153.8%	604	-16.4%
PETRO CRK&SPRD EURO	EVC	4,626	3,831	20.8%	4,693	-1.4%
PETRO CRK&SPRD EURO	FBT	110	10	1,000.0%	100	10.0%
PETRO CRK&SPRD EURO	FVB	0	33	-100.0%	0	-
PETRO CRK&SPRD EURO	GCB	0	125	-100.0%	0	-
PETRO CRK&SPRD EURO	GOC	114	285	-60.0%	123	-7.3%
PETRO CRK&SPRD EURO	GRB	0	0	-	0	-
PETRO CRK&SPRD EURO	GRS	0	0	-	0	-
PETRO CRK&SPRD EURO	LSU	0	0	-	0	-
PETRO CRK&SPRD EURO	MGB	66	275	-76.0%	77	-14.3%
PETRO CRK&SPRD EURO	MUD	206	296	-30.4%	200	3.0%
PETRO CRK&SPRD EURO	NBB	23	15	53.3%	0	-
PETRO CRK&SPRD EURO	NOB	1,106	371	198.1%	844	31.0%
PETRO CRK&SPRD EURO	NYG	0	0	-	0	-
PETRO CRK&SPRD EURO	SFB	0	0	-	40	-100.0%
PETRO CRK&SPRD EURO	SFC	0	0	-	0	-
PETROLEUM PRODUCTS	D43	0	0	-	0	-
PETROLEUM PRODUCTS	D44	0	0	-	0	-
PETROLEUM PRODUCTS	D45	0	20	-100.0%	0	-
PETROLEUM PRODUCTS	D46	30	0	-	30	0.0%

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Energy Futures						
PETROLEUM PRODUCTS	D63	0	0	-	0	-
PETROLEUM PRODUCTS	D64	0	0	-	0	-
PETROLEUM PRODUCTS	D65	0	50	-100.0%	0	-
PETROLEUM PRODUCTS	EWB	0	0	-	0	-
PETROLEUM PRODUCTS	EWG	1,694	0	-	500	238.8%
PETROLEUM PRODUCTS	MBS	0	0	-	10	-100.0%
PETROLEUM PRODUCTS	MHE	30	0	-	30	0.0%
PETROLEUM PRODUCTS	MPE	0	0	-	85	-100.0%
PETROLEUM PRODUCTS	RMG	0	0	-	0	-
PETROLEUM PRODUCTS	RMK	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	MJN	1,995	1,802	10.7%	1,519	31.3%
PETRO OUTFRIGHT EURO	0A	0	0	-	0	-
PETRO OUTFRIGHT EURO	0B	387	192	101.6%	305	26.9%
PETRO OUTFRIGHT EURO	0C	0	0	-	30	-100.0%
PETRO OUTFRIGHT EURO	0D	7,495	7,478	0.2%	8,020	-6.5%
PETRO OUTFRIGHT EURO	0E	503	564	-10.8%	513	-1.9%
PETRO OUTFRIGHT EURO	0F	2,377	1,061	124.0%	2,241	6.1%
PETRO OUTFRIGHT EURO	1T	0	64	-100.0%	5	-100.0%
PETRO OUTFRIGHT EURO	33	135	513	-73.7%	173	-22.0%
PETRO OUTFRIGHT EURO	59	0	0	-	0	-
PETRO OUTFRIGHT EURO	5L	597	0	-	170	251.2%
PETRO OUTFRIGHT EURO	63	130	135	-3.7%	40	225.0%
PETRO OUTFRIGHT EURO	6L	0	0	-	0	-
PETRO OUTFRIGHT EURO	7I	506	197	156.9%	42	1,104.8%
PETRO OUTFRIGHT EURO	7P	0	0	-	0	-
PETRO OUTFRIGHT EURO	7R	401	127	215.7%	190	111.1%
PETRO OUTFRIGHT EURO	88	0	0	-	0	-
PETRO OUTFRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTFRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTFRIGHT EURO	CPB	15	5	200.0%	47	-68.1%
PETRO OUTFRIGHT EURO	EFF	0	0	-	50	-100.0%
PETRO OUTFRIGHT EURO	EFM	570	42	1,257.1%	50	1,040.0%
PETRO OUTFRIGHT EURO	ENS	649	75	765.3%	288	125.3%
PETRO OUTFRIGHT EURO	EWN	565	341	65.7%	416	35.8%
PETRO OUTFRIGHT EURO	FBD	0	60	-100.0%	0	-
PETRO OUTFRIGHT EURO	MBB	0	30	-100.0%	50	-100.0%
PETRO OUTFRIGHT EURO	MBN	3,911	2,919	34.0%	4,207	-7.0%
PETRO OUTFRIGHT EURO	RBF	0	0	-	0	-
PETRO OUTFRIGHT EURO	SMU	40	100	-60.0%	40	0.0%
PETRO OUTFRIGHT EURO	T0	318	429	-25.9%	328	-3.0%
PETRO OUTFRIGHT EURO	ULB	400	0	-	0	-
PETRO OUTFRIGHT EURO	V0	150	200	-25.0%	175	-14.3%
PETRO OUTFRIGHT EURO	W0	0	0	-	0	-
PETRO OUTFRIGHT EURO	X0	0	0	-	0	-
PETRO OUTFRIGHT EURO	Y0	0	0	-	0	-
PETRO OUTFRIGHT NA	5Y	0	0	-	0	-
PETRO OUTFRIGHT NA	DBB	0	0	-	0	-
PETRO OUTFRIGHT NA	FCB	19	291	-93.5%	465	-95.9%
PETRO OUTFRIGHT NA	FOB	0	0	-	0	-
PETRO OUTFRIGHT NA	FOM	0	0	-	0	-
PETRO OUTFRIGHT NA	GBA	0	0	-	0	-
PETRO OUTFRIGHT NA	GUD	0	0	-	0	-

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Energy Futures						
PETRO OUTRIGHT NA	JE	240	0	-	270	-11.1%
PETRO OUTRIGHT NA	JET	4,765	2,590	84.0%	2,955	61.3%
PETRO OUTRIGHT NA	MBL	137	459	-70.2%	151	-9.3%
PETRO OUTRIGHT NA	MEN	791	819	-3.4%	235	236.6%
PETRO OUTRIGHT NA	MEO	11,801	7,019	68.1%	11,254	4.9%
PETRO OUTRIGHT NA	MFD	419	141	197.2%	180	132.8%
PETRO OUTRIGHT NA	MMF	227	132	72.0%	402	-43.5%
PETRO OUTRIGHT NA	NYB	0	0	-	0	-
PETRO OUTRIGHT NA	NYT	0	0	-	100	-100.0%
PETRO OUTRIGHT NA	XER	0	90	-100.0%	0	-
PGE&E CITYGATE	PC	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	1,057,994	1,193,501	-11.4%	1,080,874	-2.1%
PJM AD HUB 5MW REAL TIME	Z9	55,624	44,109	26.1%	58,500	-4.9%
PJM AECO DA OFF-PEAK	X1	38,808	102,376	-62.1%	42,120	-7.9%
PJM AECO DA PEAK	Y1	2,097	5,717	-63.3%	2,295	-8.6%
PJM APS ZONE DA OFF-PEAK	W4	7,155	21,171	-66.2%	8,259	-13.4%
PJM APS ZONE DA PEAK	S4	381	1,152	-66.9%	447	-14.8%
PJM ATSI ELEC	MOD	21,560	23,400	-7.9%	23,400	-7.9%
PJM ATSI ELEC	MPD	1,165	1,275	-8.6%	1,275	-8.6%
PJM BGE DA OFF-PEAK	R3	37,072	18,344	102.1%	37,440	-1.0%
PJM BGE DA PEAK	E3	2,018	1,129	78.7%	2,040	-1.1%
PJM COMED 5MW D AH O PK	D9	234,025	94,443	147.8%	242,260	-3.4%
PJM COMED 5MW D AH PK	D8	13,880	5,144	169.8%	14,900	-6.8%
PJM DAILY	JD	900	0	-	858	4.9%
PJM DAYTON DA OFF-PEAK	R7	144,785	155,166	-6.7%	161,705	-10.5%
PJM DAYTON DA PEAK	D7	24,290	13,420	81.0%	21,285	14.1%
PJM DPL DA OFF-PEAK	E8	0	0	-	0	-
PJM DPL DA PEAK	L8	0	0	-	0	-
PJM DUQUESNE 5MW D AH PK	D5	0	0	-	0	-
PJM DUQUS 5MW D AH O PK	D6	0	0	-	0	-
PJM EASTERNH DA PEAK	E9	0	0	-	0	-
PJM JCPL DA OFF-PEAK	F2	43,120	101,520	-57.5%	46,800	-7.9%
PJM JCPL DA PEAK	J2	2,330	5,550	-58.0%	2,550	-8.6%
PJM NI HUB 5MW REAL TIME	B3	39,788	29,226	36.1%	41,568	-4.3%
PJM NI HUB 5MW REAL TIME	B6	1,020,968	646,333	58.0%	1,094,757	-6.7%
PJM NILL DA OFF-PEAK	L3	601,370	143,780	318.3%	665,961	-9.7%
PJM NILL DA PEAK	N3	32,407	8,665	274.0%	36,139	-10.3%
PJM OFF-PEAK LMP SWAP FUT	JP	2,560	5,956	-57.0%	2,804	-8.7%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	908	-100.0%	0	-
PJM PEPCO DA OFF-PEAK	Q8	0	3,760	-100.0%	0	-
PJM PEPCO DA PEAK	R8	0	0	-	0	-
PJM PPL DA OFF-PEAK	F5	31,005	21,177	46.4%	35,789	-13.4%
PJM PPL DA PEAK	L5	1,651	1,677	-1.6%	1,937	-14.8%
PJM PSEG DA OFF-PEAK	W6	138,560	0	-	140,400	-1.3%
PJM PSEG DA PEAK	L6	5,100	0	-	5,100	0.0%
PJM WES HUB PEAK LMP 50 M	4S	0	129	-100.0%	0	-
PJM WESTH DA OFF-PEAK	E4	1,121,692	1,305,890	-14.1%	1,183,356	-5.2%
PJM WESTHDA PEAK	J4	60,595	74,173	-18.3%	64,620	-6.2%
PJM WESTH RT OFF-PEAK	N9	3,156,559	2,891,201	9.2%	3,484,564	-9.4%
PJM WESTH RT PEAK	L1	178,855	131,445	36.1%	200,716	-10.9%
PLASTICS	PGP	1,603	3,326	-51.8%	1,781	-10.0%
PLASTICS	PPP	0	0	-	0	-
PREMIUM UNLD 10P FOB MED	3G	284	633	-55.1%	320	-11.3%

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Energy Futures						
PREMIUM UNLD 10PPM CARGOE	4G	0	0	-	0	-
PREMIUM UNLEAD 10PPM FOB	8G	17	88	-80.7%	97	-82.5%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	70	59	18.6%	29	141.4%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	225	25	800.0%	736	-69.4%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	28,106	17,372	61.8%	30,079	-6.6%
RBOB CALENDAR SWAP	RL	14,622	17,296	-15.5%	14,292	2.3%
RBOB CRACK SPREAD	RM	2,528	3,768	-32.9%	3,466	-27.1%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	785	932	-15.8%	294	167.0%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	65	91	-28.6%	70	-7.1%
RBOB UP-DOWN CALENDAR SWA	RV	0	21,170	-100.0%	0	-
RBOB VS HEATING OIL SWAP	RH	2,741	1,625	68.7%	2,956	-7.3%
ROCKIES KERN OPAL - NW IN	IR	798	0	-	736	8.4%
SAN JUAN BASIS SWAP	NJ	38,929	10,597	267.4%	36,327	7.2%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-
SINGAPORE 180CST BALMO	BS	15	95	-84.2%	38	-60.5%
SINGAPORE 380CST BALMO	BT	125	296	-57.8%	155	-19.4%
SINGAPORE 380CST FUEL OIL	SE	8,572	8,129	5.4%	7,959	7.7%
SINGAPORE FUEL 180CST CAL	UA	1,816	2,420	-25.0%	1,921	-5.5%
SINGAPORE FUEL OIL SPREAD	SD	1,792	1,077	66.4%	1,829	-2.0%
SINGAPORE GASOIL	MTB	166	101	64.4%	95	74.7%
SINGAPORE GASOIL	MTS	6,001	4,977	20.6%	6,092	-1.5%
SINGAPORE GASOIL	STF	0	0	-	0	-
SINGAPORE GASOIL	STL	0	0	-	0	-
SINGAPORE GASOIL	STZ	180	300	-40.0%	180	0.0%
SINGAPORE GASOIL BALMO	VU	755	225	235.6%	295	155.9%
SINGAPORE GASOIL CALENDAR	MSG	0	50	-100.0%	0	-
SINGAPORE GASOIL SWAP	SG	13,255	4,760	178.5%	10,279	29.0%
SINGAPORE GASOIL VS ICE	GA	8,031	4,805	67.1%	6,685	20.1%
SINGAPORE JET KERO BALMO	BX	0	25	-100.0%	0	-
SINGAPORE JET KERO GASOIL	RK	2,170	1,920	13.0%	2,900	-25.2%
SINGAPORE JET KEROSENE SW	KS	1,676	3,037	-44.8%	1,736	-3.5%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	50	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	100	-100.0%	428	-100.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	11,132	9,725	14.5%	10,911	2.0%
SINGAPORE NAPHTHA BALMO	KU	0	0	-	0	-
SINGAPORE NAPHTHA SWAP	SP	0	50	-100.0%	0	-
SING FUEL	MSD	5	5	0.0%	0	-
SOCAL BASIS SWAP	NS	0	1,224	-100.0%	0	-
SOCAL PIPE SWAP	XN	3,360	612	449.0%	3,360	0.0%
SONAT BASIS SWAP FUTURE	SZ	2,600	7,930	-67.2%	3,189	-18.5%
SOUTHERN NAT LA NAT GAS	M8	0	2,460	-100.0%	0	-
SOUTH STAR TEX OKLHM KNS	8Z	1,736	2,237	-22.4%	756	129.6%
Sumas Basis Swap	NK	11,230	9,864	13.8%	11,342	-1.0%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	1,251	2,893	-56.8%	1,313	-4.7%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	-	0	-
TC5 RAS TANURA TO YOKOHAM	TH	0	0	-	5	-100.0%
TCO BASIS SWAP	TC	31,606	63,864	-50.5%	34,001	-7.0%
TCO NG INDEX SWAP	Q1	1,472	4,400	-66.5%	1,712	-14.0%
TD3 MEG TO JAPAN 250K MT	TL	0	0	-	0	-
TENN 800 LEG NAT GAS INDE	L4	248	0	-	248	0.0%

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Energy Futures						
TENNESSEE 500 LEG BASIS S	NM	1,519	3,054	-50.3%	1,526	-0.5%
TENNESSEE 500 LEG NG INDE	Y7	0	0	-	0	-
TENNESSEE 500 LEG NG SWIN	T7	0	0	-	0	-
TENNESSEE 800 LEG NG BASI	6Z	796	2,020	-60.6%	1,044	-23.8%
TENNESSEE ZONE 0 BASIS SW	NQ	2,180	0	-	1,700	28.2%
Tetco ELA Basis	TE	0	184	-100.0%	0	-
TETCO M-3 INDEX	IX	10,074	4,464	125.7%	10,612	-5.1%
Tetco STX Basis	TX	3,018	2,964	1.8%	2,778	8.6%
TEXAS EASTERN ZONE M-3 BA	NX	25,895	14,957	73.1%	26,310	-1.6%
TEXAS GAS ZONE1 NG BASIS	9F	14,713	17,492	-15.9%	14,868	-1.0%
TRANSCO ZONE 1 NG BASIS	8E	0	184	-100.0%	0	-
Transco Zone 3 Basis	CZ	7,852	9,860	-20.4%	8,038	-2.3%
TRANSCO ZONE4 BASIS SWAP	TR	30,394	49,087	-38.1%	33,297	-8.7%
TRANSCO ZONE 4 NAT GAS IN	B2	961	868	10.7%	217	342.9%
TRANSCO ZONE 6 BASIS SWAP	NZ	5,223	4,540	15.0%	4,741	10.2%
TRANSCO ZONE 6 INDEX	IT	3,294	0	-	2,990	10.2%
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	122	-100.0%	0	-
UCM FUT	UCM	111	110	0.9%	111	0.0%
ULSD 10PPM CIF MED BALMO	X7	0	0	-	0	-
ULSD 10PPM CIF MED SWAP	Z6	0	0	-	38	-100.0%
ULSD 10PPM CIF MED VS ICE	Z7	98	180	-45.6%	87	12.6%
ULSD 10PPM CIF NW BALMO S	B1	0	0	-	0	-
ULSD 10PPM CIF VS ICE GAS	7V	0	10	-100.0%	0	-
ULSD UP-DOWN BALMO SWP	1L	9,602	7,880	21.9%	4,875	97.0%
UP DOWN GC ULSD VS NMX HO	LT	65,747	68,661	-4.2%	68,752	-4.4%
USGC UNL 87 CRACK SPREAD	RU	0	1,050	-100.0%	0	-
VENTURA NAT GAS PLATTS FIXED PRICE	DVA	0	44	-100.0%	0	-
WAHA BASIS	NW	17,994	11,935	50.8%	19,189	-6.2%
WAHA INDEX SWAP FUTURE	IY	3,804	0	-	5,104	-25.5%
WESTERN RAIL DELIVERY PRB	QP	3,065	4,598	-33.3%	3,445	-11.0%
WTI-BRENT BULLET SWAP	BY	0	20	-100.0%	0	-
WTI-BRENT CALENDAR SWAP	BK	71,060	128,186	-44.6%	71,841	-1.1%
WTI CALENDAR	CS	122,346	144,775	-15.5%	130,267	-6.1%
WTS (ARGUS) VS WTI SWAP	FF	23,260	45,207	-48.5%	25,623	-9.2%
WTS (ARGUS) VS WTI TRD MT	FH	2,840	7,233	-60.7%	2,795	1.6%
Energy Options						
1 MO GASOIL CAL SWAP SPR	GXA	100	0	-	100	0.0%
APPALACHIAN COAL	6K	0	0	-	0	-
BRENT 1 MONTH CAL	AA	0	0	-	0	-
BRENT CALENDAR SWAP	BA	34,332	203,830	-83.2%	44,351	-22.6%
BRENT OIL LAST DAY	BE	9,509	15,518	-38.7%	16,506	-42.4%
BRENT OIL LAST DAY	BZO	42,510	0	-	31,064	36.8%
BRENT OIL LAST DAY	OS	38,414	48,594	-20.9%	38,822	-1.1%
COAL API2 INDEX	CLA	25,164	18,610	35.2%	24,547	2.5%
COAL API2 INDEX	CQA	34,625	25,855	33.9%	33,925	2.1%
COAL API2 INDEX	MTC	150	75	100.0%	150	0.0%
COAL API4 INDEX	RLA	100	1,240	-91.9%	100	0.0%
COAL API4 INDEX	RQA	120	75	60.0%	120	0.0%
COAL SWAP	CPF	425	485	-12.4%	425	0.0%
COAL SWAP	RPF	947	2,500	-62.1%	947	0.0%
CRUDE OIL 1MO	WA	698,671	425,269	64.3%	634,050	10.2%
CRUDE OIL APO	AO	276,861	480,931	-42.4%	290,153	-4.6%



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Energy Options						
CRUDE OIL CALNDR STRIP	6F	0	110	-100.0%	0	-
CRUDE OIL OUTRIGHTS	AH	150	600	-75.0%	1,250	-88.0%
CRUDE OIL OUTRIGHTS	DBP	1,260	5,340	-76.4%	1,470	-14.3%
CRUDE OIL PHY	CD	0	0	-	0	0.0%
CRUDE OIL PHY	LC	76,399	127,610	-40.1%	70,779	7.9%
CRUDE OIL PHY	LO	2,890,050	3,306,598	-12.6%	2,742,776	5.4%
CRUDE OIL PHY	LO1	1,755	645	172.1%	2,060	-14.8%
CRUDE OIL PHY	LO2	77	10	670.0%	368	-79.1%
CRUDE OIL PHY	LO3	0	2	-100.0%	0	-
CRUDE OIL PHY	LO4	0	0	-	15	-100.0%
CRUDE OIL PHY	LO5	0	0	0.0%	2	-100.0%
DAILY CRUDE OIL	DNM	0	0	-	0	-
ELEC FINSETTLED	PML	52	210	-75.2%	65	-20.0%
ELEC MISO PEAK	9T	420	0	-	1,800	-76.7%
ELEC MISO PEAK	OEM	0	0	-	0	-
ELECTRICITY OFF PEAK	N9P	0	0	-	0	-
ETHANOL	CE1	0	0	-	0	-
ETHANOL	CE3	0	0	-	25	-100.0%
ETHANOL SWAP	CVR	12,201	9,842	24.0%	13,266	-8.0%
ETHANOL SWAP	GVR	2,980	9,549	-68.8%	2,907	2.5%
EURO-DENOMINATED PETRO PROD	EFB	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	NWE	0	0	-	0	-
EUROPEAN JET KEROSENE NWE (PLATTS) AVG PRC	30	60	0	-	60	0.0%
GASOIL CRACK SPREAD AVG PRICE OPTIONS	3U	0	0	-	0	-
GASOLINE	GCE	456	125	264.8%	456	0.0%
HEATING OIL PHY	LB	980	1,417	-30.8%	234	318.8%
HEATING OIL PHY	OH	67,450	60,458	11.6%	68,691	-1.8%
HENRY HUB FINANCIAL LAST	E7	11,207	12,011	-6.7%	11,093	1.0%
HO 1 MONTH CLNDR OPTIONS	FA	600	200	200.0%	600	0.0%
HUSTN SHIP CHNL PIPE SWP	PK	0	2,160	-100.0%	0	-
ISO NEW ENGLAND PK LMP	OE	0	0	-	0	-
LLS CRUDE OIL	WJO	11,350	0	-	9,540	19.0%
MCCLOSKEY ARA ARGS COAL	MTO	900	7,095	-87.3%	840	7.1%
MCCLOSKEY RCH BAY COAL	MFO	1,260	1,830	-31.1%	1,260	0.0%
NATURAL GAS	G10	0	0	-	0	-
NATURAL GAS 12 M CSO FIN	G7	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	G4	6,750	7,950	-15.1%	5,750	17.4%
NATURAL GAS 2 M CSO FIN	G2	0	1,000	-100.0%	0	-
NATURAL GAS 3 M CSO FIN	G3	53,415	10,895	390.3%	49,990	6.9%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	G6	0	1,000	-100.0%	0	-
NATURAL GAS OPTION ON CALENDAR STRP	6J	15,786	12,267	28.7%	14,986	5.3%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	2,818,476	3,209,878	-12.2%	2,828,050	-0.3%
NATURAL GAS PHY	ON	151,013	134,761	12.1%	154,759	-2.4%
NATURAL GAS PHY	ON1	0	0	-	0	-
NATURAL GAS PHY	ON2	0	0	-	0	-
NATURAL GAS PHY	ON3	0	0	-	0	-
NATURAL GAS PHY	ON4	0	0	-	0	-
NATURAL GAS PHY	ON5	0	0	-	0	-
NATURAL GAS SUMMER STRIP	4D	0	0	-	0	-
NG HH 3 MONTH CAL	IC	0	0	-	0	-
N ROCKIES PIPE SWAP	ZR	6,750	6,441	4.8%	6,030	11.9%

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Energy Options						
NY HARBOR HEAT OIL SWP	AT	43,842	97,096	-54.8%	43,711	0.3%
NYISO ZONE G 5MW PEAK OPTIONS	9U	420	105	300.0%	420	0.0%
NYMEX EUROPEAN GASOIL APO	F7	0	1,567	-100.0%	2	-100.0%
NYMEX EUROPEAN GASOIL OPT	F8	0	200	-100.0%	0	-
PETROCHEMICALS	4H	7,341	15,093	-51.4%	7,619	-3.6%
PETROCHEMICALS	4I	0	0	-	0	-
PETROCHEMICALS	4J	4,305	3,225	33.5%	3,260	32.1%
PETROCHEMICALS	4K	0	0	-	0	-
PETROCHEMICALS	CPR	495	14	3,435.7%	495	0.0%
PETRO OUTRIGHT EURO	8H	0	300	-100.0%	25	-100.0%
PGE CITYGATE PIPE SWAP	CW	0	3,000	-100.0%	0	-
PJM CALENDAR STRIP	6O	0	900	-100.0%	0	-
PJM ELECTRIC	6OO	0	6	-100.0%	0	-
PJM MONTHLY	JO	0	58	-100.0%	0	-
PJM WES HUB PEAK CAL MTH	6OA	384	20	1,820.0%	200	92.0%
PJM WES HUB PEAK CAL MTH	JOA	9,840	0	-	10,300	-4.5%
PJM WES HUB PEAK LMP 50MW	PMA	1,910	0	-	1,695	12.7%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-
RBOB CALENDAR SWAP	RA	3,251	13,482	-75.9%	3,254	-0.1%
RBOB PHY	OB	30,465	34,186	-10.9%	34,037	-10.5%
RBOB PHY	RF	0	0	-	0	-
ROTTERDAM 3.5%FUEL OIL CL	Q6	390	850	-54.1%	390	0.0%
SAN JUAN PIPE SWAP	PJ	6,300	3,276	92.3%	5,700	10.5%
SHORT TERM	U11	0	0	-	0	-
SHORT TERM	U12	0	0	-	0	-
SHORT TERM	U13	0	0	-	0	-
SHORT TERM	U14	0	0	-	0	-
SHORT TERM	U15	0	0	-	0	-
SHORT TERM	U22	0	0	-	0	-
SHORT TERM	U23	0	0	-	0	-
SHORT TERM	U24	0	0	-	0	-
SHORT TERM	U25	0	0	-	0	-
SHORT TERM	U26	0	0	-	0	-
SHORT TERM CRUDE OIL	C02	0	0	-	0	-
SHORT TERM CRUDE OIL	C05	0	0	-	0	-
SHORT TERM NATURAL GAS	U01	300	0	-	400	-25.0%
SHORT TERM NATURAL GAS	U02	0	0	-	0	-
SHORT TERM NATURAL GAS	U03	0	200	-100.0%	0	-
SHORT TERM NATURAL GAS	U04	0	0	-	0	-
SHORT TERM NATURAL GAS	U05	0	0	-	0	-
SHORT TERM NATURAL GAS	U06	0	0	-	0	-
SHORT TERM NATURAL GAS	U07	0	0	-	0	-
SHORT TERM NATURAL GAS	U08	0	0	-	0	-
SHORT TERM NATURAL GAS	U09	0	0	-	0	-
SHORT TERM NATURAL GAS	U10	0	0	-	0	-
SHORT TERM NATURAL GAS	U16	0	0	-	0	-
SHORT TERM NATURAL GAS	U17	0	0	-	0	-
SHORT TERM NATURAL GAS	U18	0	0	-	0	-
SHORT TERM NATURAL GAS	U19	0	0	-	0	-
SHORT TERM NATURAL GAS	U20	0	0	-	0	-
SHORT TERM NATURAL GAS	U21	0	0	-	0	-
SHORT TERM NATURAL GAS	U27	0	0	-	0	-
SHORT TERM NATURAL GAS	U28	0	0	-	0	-



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Energy Options						
SHORT TERM NATURAL GAS	U29	0	0	-	0	-
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0.0%
SHORT TERM NATURAL GAS	U31	0	0	-	0	-
SINGAPORE FUEL OIL 180 CS	C5	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	M2	300	0	-	300	0.0%
SINGAPORE JET FUEL CALEND	N2	900	0	-	1,000	-10.0%
SOCAL PIPE SWAP	ZN	6,000	7,376	-18.7%	6,000	0.0%
WTI 12 MONTH CALENDAR OPT	WZ	0	500	-100.0%	0	-
WTI 6 MONTH CALENDAR OPTI	WM	0	0	-	0	-
WTI-BRENT BULLET SWAP	BV	17,450	50,935	-65.7%	12,800	36.3%
WTI CRUDE OIL 12 M CSO F	ZZ	0	0	-	0	-
WTI CRUDE OIL 1 M CSO FI	7A	372,295	296,808	25.4%	463,520	-19.7%
Metals Futures						
COMEX GOLD	GC	572,243	437,014	30.9%	624,465	-8.4%
NYMEX HOT ROLLED STEEL	HR	18,028	19,944	-9.6%	21,910	-17.7%
NYMEX PLATINUM	PL	78,954	79,120	-0.2%	61,191	29.0%
PALLADIUM	PA	28,178	37,986	-25.8%	21,690	29.9%
URANIUM	UX	5,551	4,620	20.2%	6,472	-14.2%
COMEX SILVER	SI	224,453	186,246	20.5%	212,393	5.7%
COMEX E-Mini GOLD	QO	2,393	1,180	102.8%	1,596	49.9%
E-MINI SILVER	6Q	0	0	-	0	-
COMEX E-Mini SILVER	QI	133	136	-2.2%	92	44.6%
COMEX COPPER	HG	184,521	173,390	6.4%	166,778	10.6%
COMEX MINY COPPER	QC	65	135	-51.9%	56	16.1%
Aluminium MW Trans Prem Platts	AUP	31,613	16,647	89.9%	31,805	-0.6%
ALUMINUM	A38	50	0	-	0	-
ALUMINUM	AEP	6,387	0	-	5,932	7.7%
ALUMINUM	ALI	291	124	134.7%	293	-0.7%
ALUMINUM	EDP	1,395	0	-	1,116	25.0%
ALUMINUM	MJP	2,545	0	-	2,639	-3.6%
COPPER	HGS	4,134	3,785	9.2%	4,761	-13.2%
E-MICRO GOLD	MGC	2,369	1,942	22.0%	2,677	-11.5%
FERROUS PRODUCTS	BUS	360	375	-4.0%	405	-11.1%
FERROUS PRODUCTS	SSF	0	0	-	0	-
Gold Kilo	GCK	176	6	2,833.3%	119	47.9%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FUTURES	PIO	1,130	1,330	-15.0%	1,230	-8.1%
IRON ORE 62 CHINA TSI FUTURES	TIO	22,154	17,845	24.1%	22,884	-3.2%
LNDN ZINC	ZNC	35	61	-42.6%	16	118.8%
METALS	LED	0	0	-	5	-100.0%
SILVER	SIL	848	3,039	-72.1%	533	59.1%
Metals Options						
COMEX COPPER	HX	5,711	2,170	163.2%	2,786	105.0%
COMEX GOLD	OG	1,045,922	1,325,471	-21.1%	1,090,087	-4.1%
COMEX SILVER	SO	131,943	164,289	-19.7%	115,283	14.5%
COPPER	H4E	0	0	-	0	-
GOLD	OG1	177	142	24.6%	1,243	-85.8%
GOLD	OG2	0	30	-100.0%	310	-100.0%
GOLD	OG3	0	0	-	5	-100.0%
GOLD	OG4	0	0	-	0	-



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest JUL 2016	Open Interest JUL 2015	% CHG	Open Interest JUN 2016	% CHG
Metals Options					
GOLD	0	0	0.0%	0	-
HOT ROLLED COIL STEEL CALL OPTION	0	0	-	0	-
HOT ROLLED COIL STEEL PUT OPTION	0	0	-	0	-
IRON ORE 62 CHINA TSI CALL OPTION	15,126	12,816	18.0%	15,506	-2.5%
IRON ORE 62 CHINA TSI PUT OPTION	18,760	26,220	-28.5%	16,311	15.0%
NYMEX PLATINUM	4,327	5,122	-15.5%	3,437	25.9%
PALLADIUM	6,946	5,657	22.8%	4,657	49.2%
SHORT TERM	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SILVER	0	0	-	0	-
SILVER	0	0	-	0	-
SILVER	0	0	-	0	-
SILVER	0	0	-	0	-
SILVER	0	0	0.0%	0	-
TOTAL FUTURES GROUP					
Commodities and Alternative Investments Futures	81	156	-48.1%	48	68.8%
Energy Futures	19,529,667	18,679,998	4.5%	20,407,824	-4.3%
Metals Futures	1,188,006	984,925	20.6%	1,191,058	-0.3%
TOTAL FUTURES	20,717,754	19,665,079	5.4%	21,598,930	-4.1%
TOTAL OPTIONS GROUP					
Energy Options	7,799,913	8,682,183	-10.2%	7,699,510	1.3%
Metals Options	1,228,912	1,541,917	-20.3%	1,249,625	-1.7%
TOTAL OPTIONS	9,028,825	10,224,100	-11.7%	8,949,135	0.9%



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest JUL 2016	Open Interest JUL 2015	% CHG	Open Interest JUN 2016	% CHG
TOTAL COMBINED					
Commodities and Alternative Investments	81	156	-48.1%	48	68.8%
Energy	27,329,580	27,362,181	-0.1%	28,107,334	-2.8%
Metals	2,416,918	2,526,842	-4.4%	2,440,683	-1.0%
GRAND TOTAL	29,746,579	29,889,179	-0.5%	30,548,065	-2.6%