



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest AUG 2016	Open Interest AUG 2015	% CHG	Open Interest JUL 2016	% CHG
Commodities and Alternative Investments Futures					
COCOA TAS	13	18	-27.8%	47	-72.3%
COFFEE	1	12	-91.7%	3	-66.7%
COTTON	12	10	20.0%	22	-45.5%
SUGAR 11	12	24	-50.0%	9	33.3%
Energy Futures					
CRUDE OIL PHY	1,819,900	1,732,154	5.1%	1,776,158	2.5%
CRUDE OIL	4,887	12,549	-61.1%	4,964	-1.6%
MINY WTI CRUDE OIL	4,707	9,044	-48.0%	4,866	-3.3%
BRENT OIL LAST DAY	149,165	170,840	-12.7%	155,521	-4.1%
HEATING OIL PHY	378,849	419,647	-9.7%	384,183	-1.4%
HTG OIL	3,116	222	1,303.6%	3,334	-6.5%
MINY HTG OIL	0	1	-100.0%	1	-100.0%
RBOB PHY	386,763	360,879	7.2%	393,880	-1.8%
MINY RBOB GAS	0	0	-	1	-100.0%
NATURAL GAS	121,104	91,636	32.2%	123,423	-1.9%
LTD NAT GAS	284,835	379,234	-24.9%	276,046	3.2%
MINY NATURAL GAS	2,553	1,346	89.7%	2,545	0.3%
PJM MONTHLY	7,836	13,254	-40.9%	8,884	-11.8%
NATURAL GAS PHY	1,046,676	926,227	13.0%	996,494	5.0%
RBOB GAS	2,573	599	329.5%	3,000	-14.2%
3.5% FUEL OIL CID MED SWA	934	45	1,975.6%	882	5.9%
3.5% FUEL OIL CIF BALMO S	45	0	-	0	-
AEP-DAYTON HUB DAILY	302	0	-	302	0.0%
AEP-DAYTON HUB MTHLY	1,225	2,556	-52.1%	1,302	-5.9%
AEP-DAYTON HUB OFF-PEAK M	935	2,914	-67.9%	1,002	-6.7%
ALGON CITY GATES NAT GAS	3,656	0	-	3,664	-0.2%
ALGONQUIN CITYGATES BASIS	2,662	876	203.9%	3,403	-21.8%
ANR LOUISIANA BASIS SWAP	244	610	-60.0%	368	-33.7%
ANR OKLAHOMA	4,724	6,726	-29.8%	5,345	-11.6%
APPALACHIAN COAL (PHY)	15	334	-95.5%	20	-25.0%
ARGUS LLS VS. WTI (ARG) T	14,306	11,387	25.6%	12,535	14.1%
ARGUS PROPAN FAR EST INDE	2,113	677	212.1%	2,307	-8.4%
ARGUS PROPAN(SAUDI ARAMCO	898	324	177.2%	1,085	-17.2%
AUSTRIALIAN COKE COAL	1,007	771	30.6%	1,000	0.7%
BRENT BALMO SWAP	275	344	-20.1%	40	587.5%
BRENT CALENDAR SWAP	16,337	27,826	-41.3%	17,812	-8.3%
BRENT CFD(PLATTS) VS FRNT	0	0	-	0	-
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	6,954	8,480	-18.0%	7,093	-2.0%
BRENT FINANCIAL FUTURES	30	0	-	30	0.0%
BRENT FINANCIAL FUTURES	70	280	-75.0%	105	-33.3%
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	12,022	2,016	496.3%	10,425	15.3%
CARBON EUA EMISSIONS EURO	0	0	-	0	-
CENTERPOINT BASIS SWAP	21,621	16,224	33.3%	22,294	-3.0%
CENTERPOINT EAST INDEX	740	341	117.0%	740	0.0%
CENTER POINT NAT GAS FIXED PRICE	0	32	-100.0%	0	-
CHICAGO ETHANOL SWAP	55,828	51,286	8.9%	52,308	6.7%
CHICAGO ULSD (PLATTS) SWA	15	58	-74.1%	18	-16.7%



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Energy Futures						
CHICAGO ULSD PL VS HO SPR	5C	1,750	2,385	-26.6%	1,501	16.6%
CHICAGO UNL GAS PL VS RBO	3C	276	171	61.4%	54	411.1%
CIG BASIS	CI	53,259	15,647	240.4%	53,998	-1.4%
CIG ROCKIES NG INDEX SWA	Z8	124	0	-	124	0.0%
CINERGY HUB OFF-PEAK MONT	EJ	420	878	-52.2%	464	-9.5%
CINERGY HUB PEAK MONTH	EM	358	866	-58.7%	372	-3.8%
CIN HUB 5MW D AH O PK	K2	250,520	317,208	-21.0%	260,120	-3.7%
CIN HUB 5MW D AH PK	H5	18,463	18,880	-2.2%	19,111	-3.4%
CIN HUB 5MW REAL TIME O P	H4	599,864	538,552	11.4%	617,912	-2.9%
CIN HUB 5MW REAL TIME PK	H3	46,601	17,531	165.8%	47,493	-1.9%
COAL SWAP	ACM	130	345	-62.3%	120	8.3%
COAL SWAP	SSI	35	790	-95.6%	50	-30.0%
COLUMB GULF MAINLINE NG B	5Z	27,932	40,824	-31.6%	29,702	-6.0%
COLUMBIA GULF MAIN NAT G	L2	1,104	0	-	1,476	-25.2%
COLUMBIA GULF NAT GAS FIXED PRICE	DCE	0	488	-100.0%	0	-
COLUMBIA GULF ONSHORE	GL	19,229	29,783	-35.4%	21,867	-12.1%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	606	299	102.7%	709	-14.5%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	600	763	-21.4%	255	135.3%
CONWAY PROPANE 5 DECIMALS SWAP	8K	16,201	9,869	64.2%	15,229	6.4%
CRUDE OIL	CHB	0	0	-	0	-
CRUDE OIL	LPS	21,292	6,600	222.6%	19,901	7.0%
CRUDE OIL LAST DAY	26	0	0	-	0	-
CRUDE OIL OUTRIGHTS	37	0	0	-	0	-
CRUDE OIL OUTRIGHTS	42	108	969	-88.9%	180	-40.0%
CRUDE OIL OUTRIGHTS	CSW	540	0	-	0	-
CRUDE OIL OUTRIGHTS	DBL	0	12,745	-100.0%	0	-
CRUDE OIL OUTRIGHTS	FE	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	0	0	-	30	-100.0%
CRUDE OIL OUTRIGHTS	HTT	8,961	0	-	6,500	37.9%
CRUDE OIL OUTRIGHTS	WCC	12,668	14,584	-13.1%	11,920	6.3%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL SPRDS	38	100	300	-66.7%	0	-
CRUDE OIL SPRDS	KE	0	0	-	0	-
CRUDE OIL SPRDS	WTT	12,510	915	1,267.2%	11,200	11.7%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	9,408	15,648	-39.9%	14,112	-33.3%
DAILY PJM	IDO	24,984	26,496	-5.7%	29,184	-14.4%
DAILY PJM	NOC	15,456	4,224	265.9%	20,304	-23.9%
DAILY PJM	PAP	910	1,613	-43.6%	980	-7.1%
DAILY PJM	PEO	17,400	44,304	-60.7%	23,040	-24.5%
DAILY PJM	PNO	52,120	35,776	45.7%	61,544	-15.3%
DAILY PJM	PNP	2,598	903	187.7%	3,029	-14.2%
DAILY PJM	PWO	60,128	18,672	222.0%	83,968	-28.4%
DAILY PJM	PWP	3,794	1,092	247.4%	4,900	-22.6%
DAILY PJM	WOR	52,032	12,864	304.5%	82,368	-36.8%
DAILY PJM	ZAO	30,680	19,640	56.2%	33,280	-7.8%
DAILY PJM	ZGO	16,048	19,200	-16.4%	17,408	-7.8%
DAILY PJM	ZJO	440	7,680	-94.3%	2,560	-82.8%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	11,170	13,715	-18.6%	11,095	0.7%
DEMARC INDEX FUTURE	DI	0	0	-	620	-100.0%
DIESEL 10P BRG FOB RDM VS	7X	115	0	-	0	-
DIESEL 10PPM BARGES FOB B	U7	0	0	-	0	-

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Energy Futures						
DIESEL10PPM BARG VS ICE LS	LSE	0	0	-	0	-
DLY GAS EURO-BOB OXY	GBR	0	0	-	40	-100.0%
DOMINION TRAN INC - APP I	IH	6,784	0	-	8,303	-18.3%
DOMINION TRANSMISSION INC	PG	53,998	21,767	148.1%	47,462	13.8%
DUBAI CRUDE OIL BALMO	BI	0	0	-	275	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	4,349	7,580	-42.6%	4,650	-6.5%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	QX	2,250	4,092	-45.0%	2,205	2.0%
EAST/WEST FUEL OIL SPREAD	EW	287	1,321	-78.3%	325	-11.7%
EIA FLAT TAX ONHWAY DIESE	A5	5,471	5,479	-0.1%	5,200	5.2%
ELEC ERCOT DLY OFF PK	R4	0	0	-	0	-
ELEC ERCOT DLY PEAK	I7	42	0	-	42	0.0%
ELEC ERCOT DLY PEAK	I9	0	0	-	0	-
ELEC ERCOT DLY PEAK	N1	0	2,332	-100.0%	0	-
ELEC ERCOT DLY PEAK	R1	0	0	-	0	-
ELEC ERCOT OFF PEAK	ERU	0	0	-	0	-
ELEC ERCOT OFF PEAK	O1	0	43,494	-100.0%	0	-
ELEC FINSETTLED	47	2,804	106	2,545.3%	2,804	0.0%
ELEC FINSETTLED	49	535	0	-	635	-15.7%
ELEC MISO PEAK	4L	535	1,531	-65.1%	635	-15.7%
ELEC MISO PEAK	55	1,444	510	183.1%	1,524	-5.2%
ELEC NYISO OFF-PEAK	4M	9,805	28,156	-65.2%	11,925	-17.8%
ELEC NYISO OFF-PEAK	58	26,628	9,408	183.0%	28,324	-6.0%
ELECTRICITY ERCOT PEAK	ERE	0	0	-	0	-
ELECTRICITY OFF PEAK	46	51,544	1,977	2,507.2%	51,544	0.0%
ELECTRICITY OFF PEAK	4P	0	11,874	-100.0%	0	-
ELECTRICITY OFF PEAK	50	9,805	0	-	11,925	-17.8%
EL PASO PERMIAN INDEX SWA	IL	620	0	-	1,240	-50.0%
EMMISSIONS	CPL	0	250	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	480	0	-	720	-33.3%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	7,925	59,703	-86.7%	9,805	-19.2%
ERCOT NORTH ZMCPE 5MW PEAK	I5	588	5,071	-88.4%	749	-21.5%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	2,502	3,888	-35.6%	2,643	-5.3%
EU LOW SULPHUR GASOIL CRACK	LSC	0	0	-	0	-
EURO 1% FUEL OIL NEW BALM	KX	0	3	-100.0%	0	-
EURO 3.5% FUEL OIL M CRK	FL	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	KR	353	782	-54.9%	182	94.0%
EURO 3.5% FUEL OIL SPREAD	FK	918	1,857	-50.6%	780	17.7%
EURO-DENOMINATED PETRO PROD	IBE	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	MFE	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	NCP	8	0	-	88	-90.9%
EURO GASOIL 10 CAL SWAP	GT	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	565	222	154.5%	594	-4.9%
EUROPE 1% FUEL OIL NWE CA	UF	684	337	103.0%	749	-8.7%
EUROPE 1% FUEL OIL RDAM C	UH	66	80	-17.5%	71	-7.0%
EUROPE 3.5% FUEL OIL MED	UI	1,025	42	2,340.5%	963	6.4%
EUROPE 3.5% FUEL OIL RDAM	UV	8,694	10,482	-17.1%	8,390	3.6%
EUROPEAN GASOIL (ICE)	7F	4,065	1,749	132.4%	4,642	-12.4%
EUROPEAN NAPHTHA BALMO	KZ	140	60	133.3%	128	9.4%
EUROPEAN NAPHTHA CRACK SPR	EN	8,791	13,581	-35.3%	9,787	-10.2%
EUROPE DATED BRENT SWAP	UB	2,325	11,573	-79.9%	3,720	-37.5%
EUROPE JET KERO NWE CALSW	UJ	15	74	-79.7%	18	-16.7%
EUROPE NAPHTHA CALSWAP	UN	1,859	1,341	38.6%	1,873	-0.7%

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Energy Futures						
EURO PROPANE CIF ARA SWA	PS	1,705	785	117.2%	1,689	0.9%
FL GAS ZONE 3 NAT GAS IND	Q9	5,520	0	-	8,310	-33.6%
FLORIDA GAS ZONE3 BASIS S	FP	4,804	4,996	-3.8%	1,792	168.1%
FREIGHT MARKETS	FLP	962	282	241.1%	1,013	-5.0%
FREIGHT MARKETS	FRC	0	0	-	0	-
FUEL OIL CRACK VS ICE	FO	21,143	15,864	33.3%	20,081	5.3%
FUEL OIL NWE CRACK VS ICE	FI	95	303	-68.6%	114	-16.7%
FUEL OIL (PLATS) CAR CM	1W	1,038	164	532.9%	1,029	0.9%
FUEL OIL (PLATS) CAR CN	1X	60	63	-4.8%	72	-16.7%
FUELOIL SWAP:CARGOES VS.B	FS	1,078	1,929	-44.1%	1,164	-7.4%
GAS EURO-BOB OXY NWE BARGES	7H	5,888	6,574	-10.4%	6,385	-7.8%
GAS EURO-BOB OXY NWE BARGES CRK	7K	23,946	35,198	-32.0%	26,067	-8.1%
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	-	15	0.0%
GASOIL 0.1CIF MED VS ICE	Z5	50	31	61.3%	40	25.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	74	-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	53	67	-20.9%	59	-10.2%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	-	0	-
GASOIL 10P CRG CIF NW VS	3V	0	0	-	0	-
GASOIL 10PPM CARGOES CIF	TY	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	TP	674	447	50.8%	552	22.1%
GASOIL BULLET SWAP	BG	0	0	-	0	-
GASOIL CALENDAR SWAP	GX	176	88	100.0%	178	-1.1%
GASOIL CRACK SPREAD CALEN	GZ	14,614	12,579	16.2%	15,208	-3.9%
GASOIL MINI CALENDAR SWAP	QA	696	1,156	-39.8%	672	3.6%
GASOLINE UP-DOWN (ARGUS)	UZ	0	0	-	0	-
GASOLINE UP-DOWN BALMO SW	1K	0	0	-	0	-
GC ULSD VS GC JET SPREAD	VV	0	0	-	0	-
GROUP THREE ULSD (PLATTS)	A7	300	4	7,400.0%	0	-
GRP THREE ULSD(PLT)VS HEA	A6	6,821	9,994	-31.7%	6,918	-1.4%
GRP THREE UNL GS (PLT) VS	A8	3,175	5,209	-39.0%	3,237	-1.9%
GULF COAST 3% FUEL OIL BA	VZ	255	1,007	-74.7%	242	5.4%
GULF COAST GASOLINE CLNDR	GS	0	2,215	-100.0%	0	-
GULF COAST JET FUEL CLNDR	GE	1,080	1,558	-30.7%	1,185	-8.9%
GULF COAST JET VS NYM 2 H	ME	41,251	39,751	3.8%	41,915	-1.6%
GULF COAST NO.6 FUEL OIL	MF	59,115	63,837	-7.4%	54,380	8.7%
GULF COAST NO.6 FUEL OIL	MG	6,275	9,227	-32.0%	7,155	-12.3%
GULF COAST ULSD CALENDAR	LY	4,778	5,909	-19.1%	4,444	7.5%
GULF COAST ULSD CRACK SPR	GY	5,426	10,274	-47.2%	5,998	-9.5%
HEATING OIL BALMO CLNDR S	1G	15	0	-	25	-40.0%
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	56,666	51,226	10.6%	55,279	2.5%
HENRY HUB INDEX SWAP FUTU	IN	32,208	28,044	14.8%	30,391	6.0%
HENRY HUB SWAP	NN	1,337,918	1,646,341	-18.7%	1,369,747	-2.3%
HENRY HUB SWING FUTURE	SN	0	1,200	-100.0%	0	-
HOUSTON SHIP CHANNEL BASI	NH	28,123	22,544	24.7%	30,326	-7.3%
HOUSTON SHIP CHANNEL INDE	IP	186	0	-	186	0.0%

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Energy Futures						
HUSTN SHIP CHNL PIPE SWP	XJ	3,425	4,073	-15.9%	3,425	0.0%
ICE BRENT DUBAI SWAP	DB	995	1,305	-23.8%	1,080	-7.9%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-
IN DELIVERY MONTH EUA	6T	48,850	87,891	-44.4%	48,850	0.0%
INDIANA MISO	FAD	12,000	5,760	108.3%	13,000	-7.7%
INDIANA MISO	FDM	0	0	-	0	-
INDIANA MISO	FTD	4,608	3,168	45.5%	6,912	-33.3%
INDIANA MISO	FTM	19,610	86,580	-77.4%	23,850	-17.8%
INDIANA MISO	PDD	987	534	84.8%	1,015	-2.8%
INDIANA MISO	PDM	0	3,698	-100.0%	0	-
INDIANA MISO	PTD	1,113	162	587.0%	1,113	0.0%
INDIANA MISO	PTM	0	2,650	-100.0%	0	-
INDONESIAN COAL	MCC	30	340	-91.2%	60	-50.0%
ISO NEW ENGLAND OFF-PEAK	KI	358	924	-61.3%	396	-9.6%
ISO NEW ENGLAND PK LMP	NI	399	1,159	-65.6%	434	-8.1%
JAPAN C&F NAPHTHA CRACK S	JB	1,341	1,283	4.5%	883	51.9%
JAPAN C&F NAPHTHA SWAP	JA	1,853	1,187	56.1%	1,865	-0.6%
JAPAN NAPHTHA BALMO SWAP	E6	75	20	275.0%	5	1,400.0%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	79	91	-13.2%	68	16.2%
JET BARGES VS ICE GASOIL	JR	0	15	-100.0%	0	-
JET CIF NWE VS ICE	JC	517	502	3.0%	532	-2.8%
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	6,225	825	654.5%	1,340	364.6%
LA CARB DIESEL (OPIS)	LX	91	79	15.2%	104	-12.5%
LA CARB DIESEL (OPIS) SWA	KL	1,225	1,154	6.2%	1,000	22.5%
LA CARBOB GASOLINE(OPIS)S	JL	400	400	0.0%	600	-33.3%
LA JET FUEL VS NYM NO 2 H	MQ	385	155	148.4%	445	-13.5%
LA JET (OPIS) SWAP	JS	2,735	1,275	114.5%	2,775	-1.4%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	WJ	36,869	52,704	-30.0%	37,815	-2.5%
MARS (ARGUS) VS WTI SWAP	YX	12,055	18,130	-33.5%	13,082	-7.9%
MARS (ARGUS) VS WTI TRD M	YV	15,294	1,781	758.7%	10,316	48.3%
MARS BLEND CRUDE OIL	MB	2,030	0	-	3,099	-34.5%
MCCLOSKEY ARA ARGS COAL	MTF	105,025	144,730	-27.4%	112,421	-6.6%
MCCLOSKEY RCH BAY COAL	MFF	19,204	33,385	-42.5%	18,791	2.2%
MGF FUT	MGF	32	16	100.0%	54	-40.7%
MGN1 SWAP FUT	MGN	537	454	18.3%	574	-6.4%
MICHCON NG INDEX SWAP	Y8	1,840	0	-	1,840	0.0%
MICHIGAN BASIS	NF	10,475	4,280	144.7%	10,637	-1.5%
MICHIGAN HUB OFF-PEAK MON	HJ	0	0	-	0	-
MICHIGAN HUB PEAK MONTH S	HM	0	0	-	0	-
MICHIGAN MISO	HMO	193,360	163,856	18.0%	202,688	-4.6%
MICHIGAN MISO	HMW	13,024	11,487	13.4%	13,464	-3.3%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	846	216	291.7%	341	148.1%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	100	170	-41.2%	200	-50.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	2,175	956	127.5%	1,445	50.5%
MISO 5MW OFF PEAK	4R	0	0	-	0	-
MISO 5MW PEAK	4Q	0	0	-	0	-
MJB FUT	MJB	0	0	-	0	-
MJC FUT	MJC	550	190	189.5%	469	17.3%
MNC FUT	MNC	4,818	4,845	-0.6%	4,840	-0.5%

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Energy Futures						
MONT BELVIEU ETHANE 5 DECIMAL	C0	90,685	21,063	330.5%	80,053	13.3%
MONT BELVIEU ETHANE OPIS BALMO	8C	165	90	83.3%	110	50.0%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	138,529	72,496	91.1%	139,919	-1.0%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	791	124	537.9%	765	3.4%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	19,301	9,561	101.9%	18,724	3.1%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	251	230	9.1%	82	206.1%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	36,590	28,926	26.5%	33,732	8.5%
MONT BELVIEU NORMAL BUTANE BALMO	8J	521	290	79.7%	626	-16.8%
NAT GAS BASIS SWAP	SGW	0	40	-100.0%	0	-
NAT GAS BASIS SWAP	TZ6	15,496	2,398	546.2%	13,823	12.1%
NATURAL GAS	XAC	0	0	-	0	-
NATURAL GAS	XSC	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	CFS	488	3,416	-85.7%	612	-20.3%
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	2,828	6,452	-56.2%	3,132	-9.7%
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	488	1,464	-66.7%	612	-20.3%
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	88	496	-82.3%	110	-20.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	110	572	-80.8%	138	-20.3%
NATURAL GAS FIXED PRICE SWAP FUTURES	Z5P	0	448	-100.0%	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	16	84	-81.0%	20	-20.0%
NATURAL GAS INDEX	TZI	3,004	0	-	3,128	-4.0%
NATURAL GAS PEN SWP	NP	302,412	416,876	-27.5%	312,835	-3.3%
NEPOOL CNCTCT 5MW D AH O	P3	14,501	8,650	67.6%	16,621	-12.8%
NEPOOL CONECTIC 5MW D AH	P2	789	466	69.3%	889	-11.2%
NEPOOL INTR HUB 5MW D AH	H2	591,401	322,253	83.5%	340,161	73.9%
NEPOOL INTR HUB 5MW D AH	U6	35,650	18,151	96.4%	21,739	64.0%
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	9,948	-100.0%	0	-
NEPOOL NE MASS 5MW D AH P	P7	325	529	-38.6%	425	-23.5%
NEPOOL NEW HAMP 5MW D AH	U2	0	212	-100.0%	0	-
NEPOOL NEW HAMP 5MW D AH	U3	0	3,954	-100.0%	0	-
NEPOOL RHD ISLD 5MW D AH	U4	5,261	11,925	-55.9%	6,041	-12.9%
NEPOOL RHODE IL 5MW D AH	U5	82,167	172,643	-52.4%	95,735	-14.2%
NEPOOL SE MASS 5MW D AH O	P5	0	1,977	-100.0%	0	-
NEPOOL SE MASS 5MW D AH P	P4	0	106	-100.0%	0	-
NEPOOL W CNT MASS 5MW D A	L9	26,716	36,704	-27.2%	34,772	-23.2%
NEPOOL W CNTR M 5MW D AH	R6	2,553	2,623	-2.7%	3,253	-21.5%
NEW ENGLAND HUB PEAK DAIL	CE	2,359	1,743	35.3%	2,728	-13.5%
NEW YORK ETHANOL SWAP	EZ	1,550	2,385	-35.0%	1,250	24.0%
NEW YORK HUB ZONE G PEAK	GN	2,451	903	171.4%	3,107	-21.1%
NEW YORK HUB ZONE J PEAK	JN	1,587	546	190.7%	2,244	-29.3%
NGPL MID-CONTINENT	NL	38,636	40,414	-4.4%	41,343	-6.5%
NGPL MIDCONTINENT INDEX	IW	1,716	120	1,330.0%	3,297	-48.0%
NGPL MIDCONTINENT SWING S	PX	0	0	-	80	-100.0%
NGPL TEX/OK	PD	45,468	75,401	-39.7%	51,863	-12.3%
NGPL TEXOK INDEX	OI	300	480	-37.5%	0	-
NGPL TEXOK SWING SWAP	OX	0	0	-	0	-
N ILLINOIS HUB DAILY	UD	178	0	-	178	0.0%
N ILLINOIS HUB MTHLY	UM	340	1,078	-68.5%	360	-5.6%
NO 2 UP-DOWN SPREAD CALEN	UT	198	392	-49.5%	203	-2.5%
NORTHEN NATURAL GAS DEMAR	PE	2,051	2,733	-25.0%	2,143	-4.3%
NORTHEN NATURAL GAS VENTU	PF	5,547	4,577	21.2%	5,633	-1.5%
NORTHERN ILLINOIS OFF-PEA	UO	400	1,628	-75.4%	480	-16.7%

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Energy Futures						
NORTHWEST ROCKIES BASIS S	NR	84,492	38,766	118.0%	88,092	-4.1%
N ROCKIES PIPE SWAP	XR	668	991	-32.6%	668	0.0%
NY1% VS GC SPREAD SWAP	VR	5,647	4,605	22.6%	6,511	-13.3%
NY 2.2% FUEL OIL (PLATTS	Y3	300	310	-3.2%	220	36.4%
NY 3.0% FUEL OIL (PLATTS	H1	525	875	-40.0%	550	-4.5%
NY HARBOR 1% FUEL OIL BAL	VK	71	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	13,592	19,387	-29.9%	14,168	-4.1%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	2,731	2,348	16.3%	2,651	3.0%
NY HARBOR LOW SULPUR GASOIL 1000MT	SLS	0	0	-	0	-
NY HARBOR RESIDUAL FUEL 1	MM	5,530	5,351	3.3%	5,374	2.9%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	13,793	14,674	-6.0%	13,718	0.5%
NY H OIL PLATTS VS NYMEX	YH	0	41	-100.0%	0	-
NYISO A	KA	2,140	7,364	-70.9%	2,560	-16.4%
NYISO A OFF-PEAK	KB	660	2,470	-73.3%	790	-16.5%
NYISO CAPACITY	LHV	168	0	-	114	47.4%
NYISO CAPACITY	NNC	1,896	1,284	47.7%	2,036	-6.9%
NYISO CAPACITY	NRS	2,407	2,681	-10.2%	2,549	-5.6%
NYISO G	KG	214	2,055	-89.6%	254	-15.7%
NYISO G OFF-PEAK	KH	120	712	-83.1%	150	-20.0%
NYISO J	KJ	3,442	6,877	-49.9%	3,882	-11.3%
NYISO J OFF-PEAK	KK	630	1,294	-51.3%	722	-12.7%
NYISO ZONE A 5MW D AH O P	K4	228,071	422,049	-46.0%	253,031	-9.9%
NYISO ZONE A 5MW D AH PK	K3	12,353	21,874	-43.5%	10,191	21.2%
NYISO ZONE C 5MW D AH O P	A3	38,335	27,474	39.5%	40,455	-5.2%
NYISO ZONE C 5MW D AH PK	Q5	2,047	1,487	37.7%	2,147	-4.7%
NYISO ZONE G 5MW D AH O P	D2	380,284	220,880	72.2%	393,340	-3.3%
NYISO ZONE G 5MW D AH PK	T3	23,332	19,195	21.6%	24,119	-3.3%
NYISO ZONE J 5MW D AH O P	D4	132,437	95,264	39.0%	132,437	0.0%
NYISO ZONE J 5MW D AH PK	D3	10,106	8,722	15.9%	10,127	-0.2%
NY JET FUEL (ARGUS) VS HEATING OIL	5U	0	0	-	0	-
NY JET FUEL (PLATTS) HEAT OIL SWAP	1U	0	170	-100.0%	0	-
NYMEX ALUMINUM FUTURES	AN	1,271	1,533	-17.1%	1,462	-13.1%
NYMEX ULSD VS NYMEX HO	UY	220	1,165	-81.1%	285	-22.8%
NY ULSD (ARGUS) VS HEATING OIL	7Y	2,162	8,573	-74.8%	1,213	78.2%
ONEOK OKLAHOMA NG BASIS	8X	2,860	3,263	-12.4%	3,015	-5.1%
ONTARIO POWER SWAPS	OFD	2,208	1,344	64.3%	3,312	-33.3%
ONTARIO POWER SWAPS	OFM	83,415	182,913	-54.4%	92,063	-9.4%
ONTARIO POWER SWAPS	OPD	120	224	-46.4%	120	0.0%
ONTARIO POWER SWAPS	OPM	2,950	10,023	-70.6%	3,410	-13.5%
PANHANDLE BASIS SWAP FUTU	PH	47,319	55,064	-14.1%	45,394	4.2%
PANHANDLE INDEX SWAP FUTU	IV	0	1,770	-100.0%	1,922	-100.0%
PANHANDLE PIPE SWAP	XH	0	314	-100.0%	0	-
PERMIAN BASIS SWAP	PM	17,495	6,360	175.1%	16,928	3.3%
PETROCHEMICALS	22	25	10	150.0%	15	66.7%
PETROCHEMICALS	32	35	27	29.6%	45	-22.2%
PETROCHEMICALS	51	0	0	-	0	-
PETROCHEMICALS	81	0	0	-	0	-
PETROCHEMICALS	8I	1,529	3,046	-49.8%	1,577	-3.0%
PETROCHEMICALS	91	378	74	410.8%	465	-18.7%
PETROCHEMICALS	HPE	20	117	-82.9%	24	-16.7%
PETROCHEMICALS	LPE	0	68	-100.0%	0	-
PETROCHEMICALS	MAC	0	0	-	0	-



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Energy Futures						
PETROCHEMICALS	MAE	130	60	116.7%	150	-13.3%
PETROCHEMICALS	MAS	30	45	-33.3%	65	-53.8%
PETROCHEMICALS	MBE	3,355	2,697	24.4%	3,550	-5.5%
PETROCHEMICALS	MNB	4,208	2,554	64.8%	3,325	26.6%
PETRO CRCKS & SPRDS ASIA	STI	0	300	-100.0%	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	125	-100.0%	0	-
PETRO CRCKS & SPRDS ASIA	STS	80	128	-37.5%	0	-
PETRO CRCKS & SPRDS NA	CBA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	CRB	659	1,489	-55.7%	592	11.3%
PETRO CRCKS & SPRDS NA	EXR	1,746	1,331	31.2%	1,618	7.9%
PETRO CRCKS & SPRDS NA	FOC	4,480	1,625	175.7%	3,900	14.9%
PETRO CRCKS & SPRDS NA	GBB	340	0	-	30	1,033.3%
PETRO CRCKS & SPRDS NA	GCC	275	0	-	225	22.2%
PETRO CRCKS & SPRDS NA	GCI	3,923	4,057	-3.3%	3,759	4.4%
PETRO CRCKS & SPRDS NA	GCM	31	0	-	38	-18.4%
PETRO CRCKS & SPRDS NA	GCU	26,795	31,578	-15.1%	26,244	2.1%
PETRO CRCKS & SPRDS NA	GFC	25	0	-	104	-76.0%
PETRO CRCKS & SPRDS NA	HOB	14,610	15,464	-5.5%	14,840	-1.5%
PETRO CRCKS & SPRDS NA	KSD	0	390	-100.0%	0	-
PETRO CRCKS & SPRDS NA	MFR	0	0	-	30	-100.0%
PETRO CRCKS & SPRDS NA	NFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NFG	268	50	436.0%	0	-
PETRO CRCKS & SPRDS NA	NYF	475	1,225	-61.2%	250	90.0%
PETRO CRCKS & SPRDS NA	NYH	300	0	-	300	0.0%
PETRO CRCKS & SPRDS NA	RBB	19,973	25,478	-21.6%	19,439	2.7%
PETRO CRCKS & SPRDS NA	RVG	19,042	50	37,984.0%	16,122	18.1%
PETRO CRCKS & SPRDS NA	SF3	10	0	-	15	-33.3%
PETRO CRK&SPRD EURO	1NB	4,032	5,263	-23.4%	3,915	3.0%
PETRO CRK&SPRD EURO	1ND	0	25	-100.0%	0	-
PETRO CRK&SPRD EURO	43	289	491	-41.1%	45	542.2%
PETRO CRK&SPRD EURO	BFR	25	140	-82.1%	30	-16.7%
PETRO CRK&SPRD EURO	BOB	4,669	3,557	31.3%	5,030	-7.2%
PETRO CRK&SPRD EURO	EBF	0	0	-	0	-
PETRO CRK&SPRD EURO	EOB	69	94	-26.6%	83	-16.9%
PETRO CRK&SPRD EURO	EPN	613	185	231.4%	505	21.4%
PETRO CRK&SPRD EURO	EVC	4,614	3,825	20.6%	4,626	-0.3%
PETRO CRK&SPRD EURO	FBT	70	0	-	110	-36.4%
PETRO CRK&SPRD EURO	FVB	0	30	-100.0%	0	-
PETRO CRK&SPRD EURO	GCB	25	150	-83.3%	0	-
PETRO CRK&SPRD EURO	GOC	104	242	-57.0%	114	-8.8%
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	55	305	-82.0%	66	-16.7%
PETRO CRK&SPRD EURO	MUD	446	256	74.2%	206	116.5%
PETRO CRK&SPRD EURO	NBB	55	0	-	23	139.1%
PETRO CRK&SPRD EURO	NOB	1,118	440	154.1%	1,106	1.1%
PETRO CRK&SPRD EURO	NYG	0	0	-	0	-
PETRO CRK&SPRD EURO	SFB	0	0	-	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	0	-	0	-



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Energy Futures						
PETROLEUM PRODUCTS	D46	20	0	-	30	-33.3%
PETROLEUM PRODUCTS	D63	0	0	-	0	-
PETROLEUM PRODUCTS	D64	0	0	-	0	-
PETROLEUM PRODUCTS	D65	0	0	-	0	-
PETROLEUM PRODUCTS	EWB	0	15	-100.0%	0	-
PETROLEUM PRODUCTS	EWG	3,252	0	-	1,694	92.0%
PETROLEUM PRODUCTS	MBS	20	0	-	0	-
PETROLEUM PRODUCTS	MHE	0	0	-	30	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	RMG	0	0	-	0	-
PETROLEUM PRODUCTS	RMK	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	179	-100.0%	0	-
PETROLEUM PRODUCTS ASIA	MJN	1,920	2,260	-15.0%	1,995	-3.8%
PETRO OUTFRIGHT EURO	0A	0	10	-100.0%	0	-
PETRO OUTFRIGHT EURO	0B	332	177	87.6%	387	-14.2%
PETRO OUTFRIGHT EURO	0C	55	15	266.7%	0	-
PETRO OUTFRIGHT EURO	0D	7,296	8,242	-11.5%	7,495	-2.7%
PETRO OUTFRIGHT EURO	0E	934	526	77.6%	503	85.7%
PETRO OUTFRIGHT EURO	0F	1,552	1,084	43.2%	2,377	-34.7%
PETRO OUTFRIGHT EURO	1T	0	41	-100.0%	0	-
PETRO OUTFRIGHT EURO	33	122	452	-73.0%	135	-9.6%
PETRO OUTFRIGHT EURO	59	0	0	-	0	-
PETRO OUTFRIGHT EURO	5L	65	42	54.8%	597	-89.1%
PETRO OUTFRIGHT EURO	63	150	92	63.0%	130	15.4%
PETRO OUTFRIGHT EURO	6L	0	0	-	0	-
PETRO OUTFRIGHT EURO	7I	17	10	70.0%	506	-96.6%
PETRO OUTFRIGHT EURO	7P	0	0	-	0	-
PETRO OUTFRIGHT EURO	7R	203	236	-14.0%	401	-49.4%
PETRO OUTFRIGHT EURO	88	0	40	-100.0%	0	-
PETRO OUTFRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTFRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTFRIGHT EURO	CPB	498	5	9,860.0%	15	3,220.0%
PETRO OUTFRIGHT EURO	EFF	55	0	-	0	-
PETRO OUTFRIGHT EURO	EFM	585	90	550.0%	570	2.6%
PETRO OUTFRIGHT EURO	ENS	675	50	1,250.0%	649	4.0%
PETRO OUTFRIGHT EURO	EWN	556	308	80.5%	565	-1.6%
PETRO OUTFRIGHT EURO	FBD	0	60	-100.0%	0	-
PETRO OUTFRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTFRIGHT EURO	MBN	3,877	3,443	12.6%	3,911	-0.9%
PETRO OUTFRIGHT EURO	RBF	0	0	-	0	-
PETRO OUTFRIGHT EURO	SMU	200	50	300.0%	40	400.0%
PETRO OUTFRIGHT EURO	T0	269	367	-26.7%	318	-15.4%
PETRO OUTFRIGHT EURO	ULB	0	0	-	400	-100.0%
PETRO OUTFRIGHT EURO	V0	125	0	-	150	-16.7%
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	64	74	-13.5%	19	236.8%
PETRO OUTFRIGHT NA	FOB	0	0	-	0	-
PETRO OUTFRIGHT NA	FOM	0	0	-	0	-
PETRO OUTFRIGHT NA	GBA	0	0	-	0	-



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Energy Futures						
PETRO OUTRIGHT NA	GUD	0	0	-	0	-
PETRO OUTRIGHT NA	JE	202	215	-6.0%	240	-15.8%
PETRO OUTRIGHT NA	JET	5,955	3,700	60.9%	4,765	25.0%
PETRO OUTRIGHT NA	MBL	123	434	-71.7%	137	-10.2%
PETRO OUTRIGHT NA	MEN	533	421	26.6%	791	-32.6%
PETRO OUTRIGHT NA	MEO	10,852	7,210	50.5%	11,801	-8.0%
PETRO OUTRIGHT NA	MFD	378	181	108.8%	419	-9.8%
PETRO OUTRIGHT NA	MMF	123	198	-37.9%	227	-45.8%
PETRO OUTRIGHT NA	NYB	0	0	-	0	-
PETRO OUTRIGHT NA	NYT	0	0	-	0	-
PETRO OUTRIGHT NA	XER	0	90	-100.0%	0	-
PGE&E CITYGATE	PC	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	1,011,802	1,197,053	-15.5%	1,057,994	-4.4%
PJM AD HUB 5MW REAL TIME	Z9	52,201	63,157	-17.3%	55,624	-6.2%
PJM AECO DA OFF-PEAK	X1	34,992	97,112	-64.0%	38,808	-9.8%
PJM AECO DA PEAK	Y1	1,917	5,326	-64.0%	2,097	-8.6%
PJM APS ZONE DA OFF-PEAK	W4	5,883	20,043	-70.6%	7,155	-17.8%
PJM APS ZONE DA PEAK	S4	321	1,083	-70.4%	381	-15.7%
PJM ATSI ELEC	MOD	19,440	23,400	-16.9%	21,560	-9.8%
PJM ATSI ELEC	MPD	1,065	1,275	-16.5%	1,165	-8.6%
PJM BGE DA OFF-PEAK	R3	36,648	17,968	104.0%	37,072	-1.1%
PJM BGE DA PEAK	E3	1,998	1,083	84.5%	2,018	-1.0%
PJM COMED 5MW D AH O PK	D9	208,585	88,427	135.9%	234,025	-10.9%
PJM COMED 5MW D AH PK	D8	12,280	4,776	157.1%	13,880	-11.5%
PJM DAILY	JD	806	0	-	900	-10.4%
PJM DAYTON DA OFF-PEAK	R7	131,345	134,430	-2.3%	144,785	-9.3%
PJM DAYTON DA PEAK	D7	28,855	12,307	134.5%	24,290	18.8%
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	38,880	94,000	-58.6%	43,120	-9.8%
PJM JCPL DA PEAK	J2	2,130	5,090	-58.2%	2,330	-8.6%
PJM NI HUB 5MW REAL TIME	B3	50,840	32,944	54.3%	39,788	27.8%
PJM NI HUB 5MW REAL TIME	B6	969,113	823,595	17.7%	1,020,968	-5.1%
PJM NILL DA OFF-PEAK	L3	855,793	169,691	404.3%	601,370	42.3%
PJM NILL DA PEAK	N3	45,058	7,300	517.2%	32,407	39.0%
PJM OFF-PEAK LMP SWAP FUT	JP	2,316	5,886	-60.7%	2,560	-9.5%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	632	-100.0%	0	-
PJM PEPCO DA OFF-PEAK	Q8	0	0	-	0	-
PJM PEPCO DA PEAK	R8	0	0	-	0	-
PJM PPL DA OFF-PEAK	F5	25,493	41,313	-38.3%	31,005	-17.8%
PJM PPL DA PEAK	L5	1,391	2,653	-47.6%	1,651	-15.7%
PJM PSEG DA OFF-PEAK	W6	136,440	0	-	138,560	-1.5%
PJM PSEG DA PEAK	L6	5,100	0	-	5,100	0.0%
PJM WES HUB PEAK LMP 50 M	4S	0	106	-100.0%	0	-
PJM WESTH DA OFF-PEAK	E4	1,075,996	1,305,490	-17.6%	1,121,692	-4.1%
PJM WESTHDA PEAK	J4	59,691	72,880	-18.1%	60,595	-1.5%
PJM WESTH RT OFF-PEAK	N9	2,993,247	2,872,024	4.2%	3,156,559	-5.2%
PJM WESTH RT PEAK	L1	187,474	144,302	29.9%	178,855	4.8%
PLASTICS	PGP	1,424	3,091	-53.9%	1,603	-11.2%
PLASTICS	PPP	0	0	-	0	-

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Energy Futures						
PREMIUM UNLND 10P FOB MED	3G	347	613	-43.4%	284	22.2%
PREMIUM UNLND 10PPM CARGOE	4G	0	0	-	0	-
PREMIUM UNLEAD 10PPM FOB	8G	10	113	-91.2%	17	-41.2%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	10	-100.0%	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	85	49	73.5%	70	21.4%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	695	100	595.0%	225	208.9%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	26,890	16,576	62.2%	28,106	-4.3%
RBOB CALENDAR SWAP	RL	16,541	19,042	-13.1%	14,622	13.1%
RBOB CRACK SPREAD	RM	3,140	3,375	-7.0%	2,528	24.2%
RBOB CRACK SPREAD BALMO S	1E	25	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	1,495	545	174.3%	785	90.4%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	60	119	-49.6%	65	-7.7%
RBOB UP-DOWN CALENDAR SWA	RV	0	21,465	-100.0%	0	-
RBOB VS HEATING OIL SWAP	RH	2,910	2,025	43.7%	2,741	6.2%
ROCKIES KERN OPAL - NW IN	IR	550	0	-	798	-31.1%
SAN JUAN BASIS SWAP	NJ	38,625	10,823	256.9%	38,929	-0.8%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-
SINGAPORE 180CST BALMO	BS	55	45	22.2%	15	266.7%
SINGAPORE 380CST BALMO	BT	121	82	47.6%	125	-3.2%
SINGAPORE 380CST FUEL OIL	SE	10,842	8,089	34.0%	8,572	26.5%
SINGAPORE FUEL 180CST CAL	UA	1,608	2,561	-37.2%	1,816	-11.5%
SINGAPORE FUEL OIL SPREAD	SD	1,691	1,090	55.1%	1,792	-5.6%
SINGAPORE GASOIL	MTB	177	55	221.8%	166	6.6%
SINGAPORE GASOIL	MTS	8,020	4,373	83.4%	6,001	33.6%
SINGAPORE GASOIL	STF	0	0	-	0	-
SINGAPORE GASOIL	STL	0	0	-	0	-
SINGAPORE GASOIL	STZ	120	250	-52.0%	180	-33.3%
SINGAPORE GASOIL BALMO	VU	80	350	-77.1%	755	-89.4%
SINGAPORE GASOIL CALENDAR	MSG	190	50	280.0%	0	-
SINGAPORE GASOIL SWAP	SG	14,876	4,247	250.3%	13,255	12.2%
SINGAPORE GASOIL VS ICE	GA	9,106	4,230	115.3%	8,031	13.4%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	3,045	1,645	85.1%	2,170	40.3%
SINGAPORE JET KEROSENE SW	KS	2,411	2,934	-17.8%	1,676	43.9%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	25	50	-50.0%	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	10,976	8,929	22.9%	11,132	-1.4%
SINGAPORE NAPHTHA BALMO	KU	0	0	-	0	-
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-
SING FUEL	MSD	5	0	-	5	0.0%
SOCAL BASIS SWAP	NS	0	848	-100.0%	0	-
SOCAL PIPE SWAP	XN	3,360	488	588.5%	3,360	0.0%
SONAT BASIS SWAP FUTURE	SZ	2,011	9,540	-78.9%	2,600	-22.7%
SOUTHERN NAT LA NAT GAS	M8	90	1,840	-95.1%	0	-
SOUTH STAR TEX OKLHM KNS	8Z	1,240	2,086	-40.6%	1,736	-28.6%
Sumas Basis Swap	NK	10,198	9,586	6.4%	11,230	-9.2%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	1,158	2,893	-60.0%	1,251	-7.4%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	-	0	-
TC5 RAS TANURA TO YOKOHAM	TH	0	0	-	0	-
TCO BASIS SWAP	TC	32,896	60,337	-45.5%	31,606	4.1%
TCO NG INDEX SWAP	Q1	1,224	4,152	-70.5%	1,472	-16.8%
TD3 MEG TO JAPAN 250K MT	TL	0	0	-	0	-

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Energy Futures						
TENN 800 LEG NAT GAS INDE	L4	0	0	-	248	-100.0%
TENNESSEE 500 LEG BASIS S	NM	1,631	2,806	-41.9%	1,519	7.4%
TENNESSEE 500 LEG NG INDE	Y7	0	0	-	0	-
TENNESSEE 500 LEG NG SWIN	T7	0	0	-	0	-
TENNESSEE 800 LEG NG BASI	6Z	1,218	3,050	-60.1%	796	53.0%
TENNESSEE ZONE 0 BASIS SW	NQ	2,056	0	-	2,180	-5.7%
Tetco ELA Basis	TE	0	122	-100.0%	0	-
TETCO M-3 INDEX	IX	9,596	4,464	115.0%	10,074	-4.7%
Tetco STX Basis	TX	2,708	2,747	-1.4%	3,018	-10.3%
TEXAS EASTERN ZONE M-3 BA	NX	24,477	14,076	73.9%	25,895	-5.5%
TEXAS GAS ZONE1 NG BASIS	9F	14,558	17,180	-15.3%	14,713	-1.1%
TRANSCO ZONE 1 NG BASIS	8E	0	122	-100.0%	0	-
Transco Zone 3 Basis	CZ	7,725	10,406	-25.8%	7,852	-1.6%
TRANSCO ZONE4 BASIS SWAP	TR	27,673	46,446	-40.4%	30,394	-9.0%
TRANSCO ZONE 4 NAT GAS IN	B2	744	372	100.0%	961	-22.6%
TRANSCO ZONE 6 BASIS SWAP	NZ	4,453	3,713	19.9%	5,223	-14.7%
TRANSCO ZONE 6 INDEX	IT	3,044	0	-	3,294	-7.6%
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	122	-100.0%	0	-
UCM FUT	UCM	105	100	5.0%	111	-5.4%
ULSD 10PPM CIF MED BALMO	X7	0	0	-	0	-
ULSD 10PPM CIF MED SWAP	Z6	0	0	-	0	-
ULSD 10PPM CIF MED VS ICE	Z7	95	190	-50.0%	98	-3.1%
ULSD 10PPM CIF NW BALMO S	B1	0	0	-	0	-
ULSD 10PPM CIF VS ICE GAS	7V	0	5	-100.0%	0	-
ULSD UP-DOWN BALMO SWP	1L	10,595	1,400	656.8%	9,602	10.3%
UP DOWN GC ULSD VS NMX HO	LT	54,266	66,783	-18.7%	65,747	-17.5%
USGC UNL 87 CRACK SPREAD	RU	0	1,100	-100.0%	0	-
VENTURA NAT GAS PLATTS FIXED PRICE	DVA	0	44	-100.0%	0	-
WAHA BASIS	NW	16,744	15,908	5.3%	17,994	-6.9%
WAHA INDEX SWAP FUTURE	IY	3,044	0	-	3,804	-20.0%
WESTERN RAIL DELIVERY PRB	QP	2,550	4,308	-40.8%	3,065	-16.8%
WTI-BRENT BULLET SWAP	BY	0	15	-100.0%	0	-
WTI-BRENT CALENDAR SWAP	BK	68,142	124,463	-45.3%	71,060	-4.1%
WTI CALENDAR	CS	121,821	141,385	-13.8%	122,346	-0.4%
WTS (ARGUS) VS WTI SWAP	FF	25,871	44,931	-42.4%	23,260	11.2%
WTS (ARGUS) VS WTI TRD MT	FH	2,660	8,576	-69.0%	2,840	-6.3%
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	31,623	189,334	-83.3%	34,332	-7.9%
BRENT OIL LAST DAY	BE	11,509	15,718	-26.8%	9,509	21.0%
BRENT OIL LAST DAY	BZO	52,638	0	-	42,510	23.8%
BRENT OIL LAST DAY	OS	38,406	47,759	-19.6%	38,414	0.0%
COAL API2 INDEX	CLA	26,327	24,519	7.4%	25,164	4.6%
COAL API2 INDEX	CQA	35,375	30,855	14.6%	34,625	2.2%
COAL API2 INDEX	MTC	150	75	100.0%	150	0.0%
COAL API4 INDEX	RLA	100	1,265	-92.1%	100	0.0%
COAL API4 INDEX	RQA	120	325	-63.1%	120	0.0%
COAL SWAP	CPF	475	610	-22.1%	425	11.8%
COAL SWAP	RPF	947	2,500	-62.1%	947	0.0%
CRUDE OIL 1MO	WA	725,920	428,739	69.3%	698,671	3.9%



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Energy Options					
CRUDE OIL APO	278,637	467,599	-40.4%	276,861	0.6%
CRUDE OIL CALNDR STRIP	0	110	-100.0%	0	-
CRUDE OIL OUTRIGHTS	990	600	65.0%	150	560.0%
CRUDE OIL OUTRIGHTS	1,050	5,195	-79.8%	1,260	-16.7%
CRUDE OIL PHY	0	0	0.0%	0	0.0%
CRUDE OIL PHY	68,424	131,183	-47.8%	76,399	-10.4%
CRUDE OIL PHY	2,823,214	3,350,264	-15.7%	2,890,050	-2.3%
CRUDE OIL PHY	3,018	1,575	91.6%	1,755	72.0%
CRUDE OIL PHY	305	14	2,078.6%	77	296.1%
CRUDE OIL PHY	296	1	29,500.0%	0	-
CRUDE OIL PHY	4	0	0.0%	0	-
CRUDE OIL PHY	0	0	-	0	0.0%
DAILY CRUDE OIL	0	0	-	0	-
ELEC FINSETTLED	31	177	-82.5%	52	-40.4%
ELEC MISO PEAK	420	0	-	420	0.0%
ELEC MISO PEAK	0	0	-	0	-
ELECTRICITY OFF PEAK	0	0	-	0	-
ETHANOL	0	0	-	0	-
ETHANOL	0	0	-	0	0.0%
ETHANOL SWAP	12,197	9,257	31.8%	12,201	0.0%
ETHANOL SWAP	2,703	8,264	-67.3%	2,980	-9.3%
EURO-DENOMINATED PETRO PROD	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	0	0	-	0	-
EUROPEAN JET KEROSENE NWE (PLATTS) AVG PRC	50	0	-	60	-16.7%
GASOIL CRACK SPREAD AVG PRICE OPTIONS	0	0	-	0	-
GASOLINE	456	125	264.8%	456	0.0%
HEATING OIL PHY	1,301	1,441	-9.7%	980	32.8%
HEATING OIL PHY	66,169	64,417	2.7%	67,450	-1.9%
HENRY HUB FINANCIAL LAST	10,987	10,465	5.0%	11,207	-2.0%
HO 1 MONTH CLNDR OPTIONS	600	1,400	-57.1%	600	0.0%
HUSTN SHIP CHNL PIPE SWP	0	1,800	-100.0%	0	-
ISO NEW ENGLAND PK LMP	0	0	-	0	-
LLS CRUDE OIL	11,060	0	-	11,350	-2.6%
MCCLOSKEY ARA ARGS COAL	890	5,860	-84.8%	900	-1.1%
MCCLOSKEY RCH BAY COAL	420	1,525	-72.5%	1,260	-66.7%
NATURAL GAS	0	0	-	0	-
NATURAL GAS 12 M CSO FIN	0	500	-100.0%	0	-
NATURAL GAS 1 M CSO FIN	7,550	7,075	6.7%	6,750	11.9%
NATURAL GAS 2 M CSO FIN	0	1,000	-100.0%	0	-
NATURAL GAS 3 M CSO FIN	55,789	13,545	311.9%	53,415	4.4%
NATURAL GAS 5 M CSO FIN	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	0	1,000	-100.0%	0	-
NATURAL GAS OPTION ON CALENDAR STRP	17,826	12,487	42.8%	15,786	12.9%
NATURAL GAS PHY	0	0	0.0%	0	0.0%
NATURAL GAS PHY	2,722,825	2,991,872	-9.0%	2,818,476	-3.4%
NATURAL GAS PHY	138,094	127,898	8.0%	151,013	-8.6%
NATURAL GAS PHY	2	0	-	0	-
NATURAL GAS PHY	0	0	-	0	-
NATURAL GAS PHY	0	0	-	0	-
NATURAL GAS PHY	0	0	-	0	-
NATURAL GAS PHY	0	0	-	0	-
NATURAL GAS PHY	0	0	-	0	-
NATURAL GAS SUMMER STRIP	0	0	-	0	-
NG HH 3 MONTH CAL	0	0	-	0	-

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Energy Options						
N ROCKIES PIPE SWAP	ZR	7,470	7,437	0.4%	6,750	10.7%
NY HARBOR HEAT OIL SWP	AT	42,565	94,883	-55.1%	43,842	-2.9%
NYISO ZONE G 5MW PEAK OPTIONS	9U	420	0	-	420	0.0%
NYMEX EUROPEAN GASOIL APO	F7	0	1,563	-100.0%	0	0.0%
NYMEX EUROPEAN GASOIL OPT	F8	0	160	-100.0%	0	-
PETROCHEMICALS	4H	6,885	13,085	-47.4%	7,341	-6.2%
PETROCHEMICALS	4I	0	0	-	0	-
PETROCHEMICALS	4J	4,270	2,540	68.1%	4,305	-0.8%
PETROCHEMICALS	4K	450	0	-	0	-
PETROCHEMICALS	CPR	330	14	2,257.1%	495	-33.3%
PETRO OUTRIGHT EURO	8H	0	255	-100.0%	0	-
PGE CITYGATE PIPE SWAP	CW	0	2,400	-100.0%	0	-
PJM CALENDAR STRIP	6O	0	1,060	-100.0%	0	-
PJM ELECTRIC	6OO	0	6	-100.0%	0	-
PJM MONTHLY	JO	0	46	-100.0%	0	-
PJM WES HUB PEAK CAL MTH	6OA	550	200	175.0%	384	43.2%
PJM WES HUB PEAK CAL MTH	JOA	9,840	0	-	9,840	0.0%
PJM WES HUB PEAK LMP 50MW	PMA	8,883	0	-	1,910	365.1%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-
RBOB CALENDAR SWAP	RA	3,248	13,701	-76.3%	3,251	-0.1%
RBOB PHY	OB	24,419	29,230	-16.5%	30,465	-19.8%
RBOB PHY	RF	0	100	-100.0%	0	-
ROTTERDAM 3.5%FUEL OIL CL	Q6	510	740	-31.1%	390	30.8%
SAN JUAN PIPE SWAP	PJ	7,716	4,004	92.7%	6,300	22.5%
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	100	350	-71.4%	300	-66.7%
SHORT TERM NATURAL GAS	U02	0	0	-	0	-
SHORT TERM NATURAL GAS	U03	0	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	-



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Energy Options						
SHORT TERM NATURAL GAS	U28	0	0	-	0	-
SHORT TERM NATURAL GAS	U29	0	0	-	0	0.0%
SHORT TERM NATURAL GAS	U30	0	0	-	0	-
SHORT TERM NATURAL GAS	U31	0	0	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	800	1,200	-33.3%	900	-11.1%
SOCAL PIPE SWAP	ZN	6,000	5,528	8.5%	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	21,510	38,200	-43.7%	17,450	23.3%
WTI CRUDE OIL 12 M CSO F	7Z	0	0	-	0	-
WTI CRUDE OIL 1 M CSO FI	7A	363,660	388,581	-6.4%	372,295	-2.3%
Metals Futures						
COMEX GOLD	GC	559,604	414,364	35.1%	572,243	-2.2%
NYMEX HOT ROLLED STEEL	HR	19,990	20,548	-2.7%	18,028	10.9%
NYMEX PLATINUM	PL	78,944	70,147	12.5%	78,954	0.0%
PALLADIUM	PA	25,529	28,642	-10.9%	28,178	-9.4%
URANIUM	UX	4,851	4,554	6.5%	5,551	-12.6%
COMEX SILVER	SI	189,839	157,520	20.5%	224,453	-15.4%
COMEX E-Mini GOLD	QO	2,588	1,220	112.1%	2,393	8.1%
E-MINI SILVER	6Q	0	0	-	0	-
COMEX E-Mini SILVER	QI	92	84	9.5%	133	-30.8%
COMEX COPPER	HG	190,599	158,185	20.5%	184,521	3.3%
COMEX MINY COPPER	QC	36	133	-72.9%	65	-44.6%
Aluminium MW Trans Prem Platts	AUP	30,456	19,335	57.5%	31,613	-3.7%
ALUMINUM	A38	71	0	-	50	42.0%
ALUMINUM	AEP	7,067	0	-	6,387	10.6%
ALUMINUM	ALI	225	122	84.4%	291	-22.7%
ALUMINUM	EDP	2,845	0	-	1,395	103.9%
ALUMINUM	MJP	3,172	0	-	2,545	24.6%
COPPER	HGS	3,846	4,317	-10.9%	4,134	-7.0%
E-MICRO GOLD	MGC	2,575	1,807	42.5%	2,369	8.7%
FERROUS PRODUCTS	BUS	285	300	-5.0%	360	-20.8%
FERROUS PRODUCTS	SSF	0	0	-	0	-
Gold Kilo	GCK	171	9	1,800.0%	176	-2.8%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FUTURES	PIO	1,020	970	5.2%	1,130	-9.7%
IRON ORE 62 CHINA TSI FUTURES	TIO	21,683	17,876	21.3%	22,154	-2.1%
LNDN ZINC	ZNC	29	177	-83.6%	35	-17.1%
METALS	LED	5	0	-	0	-
SILVER	SIL	633	1,941	-67.4%	848	-25.4%
Metals Options						
COMEX COPPER	HX	3,252	2,063	57.6%	5,711	-43.1%
COMEX GOLD	OG	1,063,849	1,359,187	-21.7%	1,045,922	1.7%
COMEX SILVER	SO	128,889	148,064	-13.0%	131,943	-2.3%
COPPER	H4E	0	0	-	0	-
GOLD	OG1	666	271	145.8%	177	276.3%
GOLD	OG2	111	2	5,450.0%	0	-
GOLD	OG3	25	1	2,400.0%	0	-



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest AUG 2016	Open Interest AUG 2015	% CHG	Open Interest JUL 2016	% CHG
Metals Options					
GOLD	0	0	0.0%	0	-
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	14,667	12,085	21.4%	15,126	-3.0%
IRON ORE 62 CHINA TSI PUT OPTION	16,947	25,650	-33.9%	18,760	-9.7%
NYMEX PLATINUM	6,042	4,569	32.2%	4,327	39.6%
PALLADIUM	3,544	4,293	-17.4%	6,946	-49.0%
SHORT TERM	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SILVER	10	0	-	0	-
SILVER	0	0	-	0	-
SILVER	0	0	-	0	-
SILVER	0	0	0.0%	0	-
SILVER	0	0	-	0	-
TOTAL FUTURES GROUP					
Commodities and Alternative Investments Futures	38	64	-40.6%	81	-53.1%
Energy Futures	19,531,454	18,972,547	2.9%	19,529,667	0.0%
Metals Futures	1,146,155	902,251	27.0%	1,188,006	-3.5%
TOTAL FUTURES	20,677,647	19,874,862	4.0%	20,717,754	-0.2%
TOTAL OPTIONS GROUP					
Energy Options	7,658,924	8,564,131	-10.6%	7,799,913	-1.8%
Metals Options	1,238,002	1,556,185	-20.4%	1,228,912	0.7%
TOTAL OPTIONS	8,896,926	10,120,316	-12.1%	9,028,825	-1.5%



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest AUG 2016	Open Interest AUG 2015	% CHG	Open Interest JUL 2016	% CHG
TOTAL COMBINED					
Commodities and Alternative Investments	38	64	-40.6%	81	-53.1%
Energy	27,190,378	27,536,678	-1.3%	27,329,580	-0.5%
Metals	2,384,157	2,458,436	-3.0%	2,416,918	-1.4%
GRAND TOTAL	29,574,573	29,995,178	-1.4%	29,746,579	-0.6%