



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest OCT 2016	Open Interest OCT 2015	% CHG	Open Interest SEP 2016	% CHG
Commodities and Alternative Investments Futures					
COCOA TAS	25	45	-44.4%	36	-30.6%
COFFEE	5	12	-58.3%	4	25.0%
COTTON	11	9	22.2%	13	-15.4%
SUGAR 11	0	14	-100.0%	14	-100.0%
Energy Futures					
CRUDE OIL PHY	1,880,253	1,685,157	11.6%	1,897,068	-0.9%
CRUDE OIL	5,361	11,306	-52.6%	5,379	-0.3%
MINY WTI CRUDE OIL	5,697	4,091	39.3%	5,358	6.3%
BRENT OIL LAST DAY	123,994	166,768	-25.6%	136,258	-9.0%
HEATING OIL PHY	402,501	362,869	10.9%	388,041	3.7%
HTG OIL	2,004	222	802.7%	2,598	-22.9%
MINY HTG OIL	0	1	-100.0%	0	-
RBOB PHY	395,571	328,563	20.4%	374,459	5.6%
MINY RBOB GAS	0	0	-	0	0.0%
NATURAL GAS	108,477	90,424	20.0%	103,634	4.7%
LTD NAT GAS	281,617	343,552	-18.0%	281,818	-0.1%
MINY NATURAL GAS	2,794	2,755	1.4%	2,038	37.1%
PJM MONTHLY	5,702	11,267	-49.4%	7,118	-19.9%
NATURAL GAS PHY	1,139,762	1,025,407	11.2%	1,095,675	4.0%
RBOB GAS	2,749	640	329.5%	2,680	2.6%
3.5% FUEL OIL CID MED SWA	705	237	197.5%	821	-14.1%
3.5% FUEL OIL CIF BALMO S	67	0	-	0	-
AEP-DAYTON HUB DAILY	272	242	12.4%	392	-30.6%
AEP-DAYTON HUB MTHLY	1,051	2,214	-52.5%	1,148	-8.4%
AEP-DAYTON HUB OFF-PEAK M	801	2,394	-66.5%	868	-7.7%
ALGON CITY GATES NAT GAS	3,164	0	-	3,284	-3.7%
ALGONQUIN CITYGATES BASIS	3,823	620	516.6%	3,916	-2.4%
ANR LOUISIANA BASIS SWAP	0	856	-100.0%	124	-100.0%
ANR OKLAHOMA	3,931	5,263	-25.3%	4,304	-8.7%
APPALACHIAN COAL (PHY)	5	185	-97.3%	10	-50.0%
ARGUS LLS VS. WTI (ARG) T	11,523	13,184	-12.6%	10,787	6.8%
ARGUS PROPAN FAR EST INDE	2,178	998	118.2%	1,949	11.7%
ARGUS PROPAN(SAUDI ARAMCO	799	724	10.4%	881	-9.3%
AUSTRIALIAN COKE COAL	912	654	39.4%	888	2.7%
BRENT BALMO SWAP	682	320	113.1%	200	241.0%
BRENT CALENDAR SWAP	14,953	21,888	-31.7%	15,356	-2.6%
BRENT CFD(PLATTS) VS FRNT	0	0	-	0	-
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	6,204	8,360	-25.8%	6,704	-7.5%
BRENT FINANCIAL FUTURES	0	0	-	0	-
BRENT FINANCIAL FUTURES	1,050	180	483.3%	1,085	-3.2%
BRENT OIL LAST DAY	0	0	0.0%	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	0	0.0%
CAISO SP15 EZGNHUB5 MW P	17,930	0	-	0	-
CANADIAN LIGHT SWEET OIL	10,456	6,114	71.0%	11,534	-9.3%
CARBON EUA EMISSIONS EURO	0	0	-	0	-
CENTERPOINT BASIS SWAP	22,073	15,308	44.2%	23,141	-4.6%
CENTERPOINT EAST INDEX	124	0	-	244	-49.2%
CENTER POINT NAT GAS FIXED PRICE	0	16	-100.0%	0	-
CHICAGO ETHANOL SWAP	57,853	43,745	32.3%	54,521	6.1%

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Energy Futures						
CHICAGO ULSD (PLATTS) SWA	4C	9	54	-83.3%	12	-25.0%
CHICAGO ULSD PL VS HO SPR	5C	1,455	2,368	-38.6%	1,545	-5.8%
CHICAGO UNL GAS PL VS RBO	3C	180	84	114.3%	333	-45.9%
CIG BASIS	CI	52,641	15,020	250.5%	54,374	-3.2%
CIG ROCKIES NG INDEX SWA	Z8	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	EJ	312	890	-64.9%	376	-17.0%
CINERGY HUB PEAK MONTH	EM	330	718	-54.0%	344	-4.1%
CIN HUB 5MW D AH O PK	K2	247,784	311,864	-20.5%	260,456	-4.9%
CIN HUB 5MW D AH PK	H5	18,130	18,502	-2.0%	18,775	-3.4%
CIN HUB 5MW REAL TIME O P	H4	575,248	755,368	-23.8%	600,992	-4.3%
CIN HUB 5MW REAL TIME PK	H3	45,605	25,610	78.1%	46,805	-2.6%
COAL SWAP	ACM	398	520	-23.5%	403	-1.2%
COAL SWAP	SSI	30	516	-94.2%	35	-14.3%
COLUMB GULF MAINLINE NG B	5Z	23,192	39,050	-40.6%	26,321	-11.9%
COLUMBIA GULF MAIN NAT G	L2	372	0	-	732	-49.2%
COLUMBIA GULF NAT GAS FIXED PRICE	DCE	0	0	-	0	-
COLUMBIA GULF ONSHORE	GL	18,253	29,539	-38.2%	18,749	-2.6%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	740	247	199.6%	800	-7.5%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,430	840	70.2%	1,585	-9.8%
CONWAY PROPANE 5 DECIMALS SWAP	8K	16,855	13,470	25.1%	16,768	0.5%
CRUDE OIL	CHB	0	0	-	0	-
CRUDE OIL	LPS	20,474	8,600	138.1%	20,208	1.3%
CRUDE OIL LAST DAY	26	0	0	-	0	-
CRUDE OIL OUTRIGHTS	37	0	0	-	0	-
CRUDE OIL OUTRIGHTS	42	0	405	-100.0%	250	-100.0%
CRUDE OIL OUTRIGHTS	CSW	1,230	0	-	1,065	15.5%
CRUDE OIL OUTRIGHTS	DBL	200	6,445	-96.9%	200	0.0%
CRUDE OIL OUTRIGHTS	FE	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-
CRUDE OIL OUTRIGHTS	HTT	10,340	0	-	10,380	-0.4%
CRUDE OIL OUTRIGHTS	WCC	11,615	15,046	-22.8%	11,608	0.1%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL SPRDS	38	250	300	-16.7%	100	150.0%
CRUDE OIL SPRDS	KE	0	0	-	0	-
CRUDE OIL SPRDS	WTT	21,155	4,042	423.4%	10,875	94.5%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	10,368	20,640	-49.8%	8,736	18.7%
DAILY PJM	IDO	15,136	23,439	-35.4%	17,632	-14.2%
DAILY PJM	NOC	17,376	6,000	189.6%	12,576	38.2%
DAILY PJM	PAP	780	1,325	-41.1%	805	-3.1%
DAILY PJM	PEO	12,265	35,722	-65.7%	15,320	-19.9%
DAILY PJM	PNO	35,860	15,726	128.0%	40,104	-10.6%
DAILY PJM	PNP	2,134	815	161.8%	2,044	4.4%
DAILY PJM	PWO	63,987	27,561	132.2%	59,024	8.4%
DAILY PJM	PWP	2,974	1,450	105.1%	2,690	10.6%
DAILY PJM	WOR	46,464	17,640	163.4%	33,984	36.7%
DAILY PJM	ZAO	23,815	29,241	-18.6%	32,240	-26.1%
DAILY PJM	ZGO	29,260	45,870	-36.2%	17,272	69.4%
DAILY PJM	ZJO	23,540	11,286	108.6%	2,040	1,053.9%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	80	-100.0%
DATED TO FRONTLINE BRENT	FY	11,900	13,967	-14.8%	10,695	11.3%
DEMARC INDEX FUTURE	DI	0	0	-	0	-
DEMARC SWING SWAP	DT	8	0	-	62	-87.1%

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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	-
DLY GAS EURO-BOB OXY	GBR	0	0	-	0	-
DOMINION TRAN INC - APP I	IH	5,534	2,160	156.2%	5,234	5.7%
DOMINION TRANSMISSION INC	PG	61,219	30,496	100.7%	58,036	5.5%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	2,989	9,211	-67.5%	1,937	54.3%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	QX	2,755	3,113	-11.5%	2,558	7.7%
EAST/WEST FUEL OIL SPREAD	EW	170	1,085	-84.3%	200	-15.0%
EIA FLAT TAX ONHWAY DIESE	A5	4,875	5,043	-3.3%	5,133	-5.0%
ELEC ERCOT DLY OFF PK	R4	0	2,640	-100.0%	0	-
ELEC ERCOT DLY PEAK	I7	42	186	-77.4%	42	0.0%
ELEC ERCOT DLY PEAK	I9	0	0	-	0	-
ELEC ERCOT DLY PEAK	N1	0	924	-100.0%	0	-
ELEC ERCOT DLY PEAK	R1	0	132	-100.0%	0	-
ELEC ERCOT OFF PEAK	ERU	0	0	-	0	-
ELEC ERCOT OFF PEAK	O1	0	17,446	-100.0%	0	-
ELEC FINSETTLED	47	2,804	64	4,281.3%	2,804	0.0%
ELEC FINSETTLED	49	315	1,275	-75.3%	420	-25.0%
ELEC MISO PEAK	4L	315	2,741	-88.5%	420	-25.0%
ELEC MISO PEAK	55	1,268	2,036	-37.7%	1,352	-6.2%
ELEC NYISO OFF-PEAK	4M	6,005	28,156	-78.7%	7,925	-24.2%
ELEC NYISO OFF-PEAK	58	23,588	37,600	-37.3%	25,124	-6.1%
ELECTRICITY ERCOT PEAK	ERE	0	0	-	0	-
ELECTRICITY OFF PEAK	46	51,544	1,185	4,249.7%	51,544	0.0%
ELECTRICITY OFF PEAK	4P	0	2,370	-100.0%	0	-
ELECTRICITY OFF PEAK	50	6,005	23,520	-74.5%	7,925	-24.2%
ELEC WEST POWER OFF-PEAK	MDA	400	0	-	0	-
ELEC WEST POWER PEAK	MDC	5,390	0	-	0	-
EL PASO PERMIAN INDEX SWA	IL	0	0	-	0	-
EMMISSIONS	CPL	0	250	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	480	1,800	-73.3%	480	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	3,965	35,415	-88.8%	6,005	-34.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	294	3,087	-90.5%	441	-33.3%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	2,501	2,807	-10.9%	2,539	-1.5%
EU LOW SULPHUR GASOIL CRACK	LSC	0	0	-	0	-
EURO 1% FUEL OIL NEW BALM	KX	5	70	-92.9%	10	-50.0%
EURO 3.5% FUEL OIL M CRK	FL	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	KR	294	332	-11.4%	526	-44.1%
EURO 3.5% FUEL OIL SPREAD	FK	832	1,308	-36.4%	823	1.1%
EURO-DENOMINATED PETRO PROD	IBE	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	MFE	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-
EURO GASOIL 10 CAL SWAP	GT	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	380	738	-48.5%	543	-30.0%
EUROPE 1% FUEL OIL NWE CA	UF	549	305	80.0%	584	-6.0%
EUROPE 1% FUEL OIL RDAM C	UH	51	80	-36.3%	56	-8.9%
EUROPE 3.5% FUEL OIL MED	UI	751	364	106.3%	914	-17.8%
EUROPE 3.5% FUEL OIL RDAM	UV	10,600	10,094	5.0%	9,143	15.9%
EUROPEAN GASOIL (ICE)	7F	3,289	3,370	-2.4%	3,517	-6.5%
EUROPEAN NAPHTHA BALMO	KZ	247	101	144.6%	253	-2.4%

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EUROPEAN NAPHTHA CRACK SPR	EN	10,169	12,803	-20.6%	8,437	20.5%
EUROPE DATED BRENT SWAP	UB	1,150	10,559	-89.1%	1,195	-3.8%
EUROPE JET KERO NWE CALSW	UJ	9	24	-62.5%	12	-25.0%
EUROPE NAPHTHA CALSWAP	UN	1,966	1,109	77.3%	1,887	4.2%
EURO PROPANE CIF ARA SWA	PS	1,776	927	91.6%	1,714	3.6%
FL GAS ZONE 3 NAT GAS IND	Q9	1,860	0	-	3,660	-49.2%
FLORIDA GAS ZONE3 BASIS S	FP	4,286	4,654	-7.9%	4,534	-5.5%
FREIGHT MARKETS	FLP	1,167	360	224.2%	1,151	1.4%
FREIGHT MARKETS	FRC	0	0	-	0	-
FUEL OIL CRACK VS ICE	FO	20,183	16,232	24.3%	20,172	0.1%
FUEL OIL NWE CRACK VS ICE	FI	57	273	-79.1%	76	-25.0%
FUEL OIL (PLATS) CAR CM	1W	646	94	587.2%	857	-24.6%
FUEL OIL (PLATS) CAR CN	1X	36	75	-52.0%	48	-25.0%
FUELOIL SWAP:CARGOES VS.B	FS	943	1,578	-40.2%	1,030	-8.4%
GAS EURO-BOB OXY NWE BARGES	7H	5,081	4,970	2.2%	6,068	-16.3%
GAS EURO-BOB OXY NWE BARGES CRK	7K	22,141	33,724	-34.3%	24,080	-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	0	20	-100.0%	15	-100.0%
GASOIL 0.1CIF MED VS ICE	Z5	85	61	39.3%	95	-10.5%
GASOIL 0.1 CIF NWE VS ISE	TU	35	0	-	10	250.0%
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	51	66	-22.7%	42	21.4%
GASOIL 0.1 ROTTERDAM BARG	VL	30	0	-	25	20.0%
GASOIL 10P CRG CIF NW VS	3V	0	0	-	5	-100.0%
GASOIL 10PPM CARGOES CIF	TY	0	30	-100.0%	0	-
GASOIL 10PPM VS ICE SWAP	TP	652	208	213.5%	728	-10.4%
GASOIL BULLET SWAP	BG	0	0	-	0	-
GASOIL CALENDAR SWAP	GX	115	34	238.2%	147	-21.8%
GASOIL CRACK SPREAD CALEN	GZ	12,595	10,751	17.2%	14,822	-15.0%
GASOIL MINI CALENDAR SWAP	QA	602	1,370	-56.1%	642	-6.2%
GASOLINE UP-DOWN (ARGUS)	UZ	0	0	-	0	-
GASOLINE UP-DOWN BALMO SW	1K	0	225	-100.0%	0	-
GC ULSD VS GC JET SPREAD	VV	0	0	-	0	-
GROUP THREE ULSD (PLATTS)	A7	300	0	-	300	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	7,067	8,489	-16.8%	6,304	12.1%
GRP THREE UNL GS (PLT) VS	A8	5,009	4,569	9.6%	2,334	114.6%
GULF COAST 3% FUEL OIL BA	VZ	593	1,120	-47.1%	600	-1.2%
GULF COAST GASOLINE CLNDR	GS	0	1,303	-100.0%	0	-
GULF COAST JET FUEL CLNDR	GE	1,260	1,542	-18.3%	1,061	18.8%
GULF COAST JET VS NYM 2 H	ME	38,907	38,977	-0.2%	40,306	-3.5%
GULF COAST NO.6 FUEL OIL	MF	56,341	63,469	-11.2%	58,719	-4.0%
GULF COAST NO.6 FUEL OIL	MG	5,112	8,890	-42.5%	5,740	-10.9%
GULF COAST ULSD CALENDAR	LY	4,470	5,331	-16.2%	4,527	-1.3%
GULF COAST ULSD CRACK SPR	GY	4,299	9,674	-55.6%	4,371	-1.6%
HEATING OIL BALMO CLNDR S	1G	125	811	-84.6%	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	53,075	61,702	-14.0%	54,464	-2.6%
HENRY HUB INDEX SWAP FUTU	IN	27,380	34,126	-19.8%	27,620	-0.9%

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HENRY HUB SWAP	NN	1,355,050	1,543,177	-12.2%	1,312,821	3.2%
HENRY HUB SWING FUTURE	SN	0	0	-	0	-
HOUSTON SHIP CHANNEL BASI	NH	26,666	22,601	18.0%	27,590	-3.3%
HOUSTON SHIP CHANNEL INDE	IP	0	0	-	0	-
HUSTN SHIP CHNL PIPE SWP	XJ	3,425	3,749	-8.6%	3,425	0.0%
ICE BRENT DUBAI SWAP	DB	15,923	1,155	1,278.6%	8,858	79.8%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-
IN DELIVERY MONTH EUA	6T	48,650	84,537	-42.5%	48,850	-0.4%
INDIANA MISO	FAD	15,840	10,240	54.7%	15,864	-0.2%
INDIANA MISO	FDM	0	0	-	0	-
INDIANA MISO	FTD	6,528	4,800	36.0%	5,568	17.2%
INDIANA MISO	FTM	12,010	70,740	-83.0%	15,850	-24.2%
INDIANA MISO	PDD	1,074	572	87.8%	1,335	-19.6%
INDIANA MISO	PDM	0	2,606	-100.0%	0	-
INDIANA MISO	PTD	306	203	50.7%	357	-14.3%
INDIANA MISO	PTM	0	1,600	-100.0%	0	-
INDONESIAN COAL	MCC	15	330	-95.5%	25	-40.0%
ISO NEW ENGLAND OFF-PEAK	KI	282	804	-64.9%	320	-11.9%
ISO NEW ENGLAND PK LMP	NI	329	963	-65.8%	364	-9.6%
JAPAN C&F NAPHTHA CRACK S	JB	1,042	401	159.9%	1,493	-30.2%
JAPAN C&F NAPHTHA SWAP	JA	1,487	1,480	0.5%	1,778	-16.4%
JAPAN NAPHTHA BALMO SWAP	E6	5	44	-88.6%	0	-
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	81	59	37.3%	85	-4.7%
JET BARGES VS ICE GASOIL	JR	0	15	-100.0%	0	-
JET CIF NWE VS ICE	JC	461	371	24.3%	479	-3.8%
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	6,880	4,275	60.9%	4,327	59.0%
LA CARB DIESEL (OPIS)	LX	117	221	-47.1%	78	50.0%
LA CARB DIESEL (OPIS) SWA	KL	815	1,015	-19.7%	1,055	-22.7%
LA CARBOB GASOLINE(OPIS)S	JL	50	425	-88.2%	150	-66.7%
LA JET FUEL VS NYM NO 2 H	MQ	300	320	-6.3%	335	-10.4%
LA JET (OPIS) SWAP	JS	2,060	1,215	69.5%	2,120	-2.8%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	WJ	32,071	56,477	-43.2%	36,057	-11.1%
MARS (ARGUS) VS WTI SWAP	YX	11,314	21,022	-46.2%	10,820	4.6%
MARS (ARGUS) VS WTI TRD M	YV	17,929	1,705	951.6%	15,468	15.9%
MARS BLEND CRUDE OIL	MB	1,550	0	-	1,800	-13.9%
MCCLOSKEY ARA ARGS COAL	MTF	87,715	152,198	-42.4%	96,311	-8.9%
MCCLOSKEY RCH BAY COAL	MFF	20,122	41,839	-51.9%	21,262	-5.4%
MGF FUT	MGF	0	70	-100.0%	10	-100.0%
MGN1 SWAP FUT	MGN	581	508	14.4%	665	-12.6%
MICHCON NG INDEX SWAP	Y8	980	0	-	1,220	-19.7%
MICHIGAN BASIS	NF	15,761	6,267	151.5%	14,748	6.9%
MICHIGAN HUB OFF-PEAK MON	HJ	0	0	-	0	-
MICHIGAN HUB PEAK MONTH S	HM	0	0	-	0	-
MICHIGAN MISO	HMO	176,640	153,560	15.0%	185,088	-4.6%
MICHIGAN MISO	HMW	12,056	10,857	11.0%	12,518	-3.7%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	387	20	1,835.0%	410	-5.6%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	220	350	-37.1%	1,220	-82.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	3,230	770	319.5%	2,617	23.4%
MISO 5MW OFF PEAK	4R	0	0	-	0	-

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Energy Futures						
MISO 5MW PEAK	4Q	0	0	-	0	-
MJB FUT	MJB	0	0	-	0	-
MJC FUT	MJC	428	220	94.5%	493	-13.2%
MNC FUT	MNC	3,246	5,796	-44.0%	3,864	-16.0%
MONT BELVIEU ETHANE 5 DECIMAL	C0	100,182	23,853	320.0%	101,783	-1.6%
MONT BELVIEU ETHANE OPIS BALMO	8C	420	250	68.0%	230	82.6%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	140,296	93,499	50.1%	143,035	-1.9%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,489	480	210.2%	831	79.2%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	17,125	9,014	90.0%	18,756	-8.7%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	25	127	-80.3%	75	-66.7%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	37,334	36,862	1.3%	36,515	2.2%
MONT BELVIEU NORMAL BUTANE BALMO	8J	268	550	-51.3%	228	17.5%
NAT GAS BASIS SWAP	SGW	0	0	-	0	-
NAT GAS BASIS SWAP	TZ6	13,204	4,078	223.8%	14,013	-5.8%
NATURAL GAS	HBI	0	0	-	0	-
NATURAL GAS	XAC	0	0	-	0	-
NATURAL GAS	XSC	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	CFS	244	2,440	-90.0%	368	-33.7%
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	2,224	5,848	-62.0%	2,528	-12.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	244	1,464	-83.3%	368	-33.7%
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	44	380	-88.4%	66	-33.3%
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	55	451	-87.8%	83	-33.7%
NATURAL GAS FIXED PRICE SWAP FUTURES	Z5P	0	224	-100.0%	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	8	60	-86.7%	12	-33.3%
NATURAL GAS INDEX	TZI	2,668	0	-	2,818	-5.3%
NATURAL GAS PEN SWP	NP	282,753	385,163	-26.6%	285,035	-0.8%
NEPOOL CNCTCT 5MW D AH O	P3	10,701	7,066	51.4%	12,621	-15.2%
NEPOOL CONECTIC 5MW D AH	P2	569	382	49.0%	674	-15.6%
NEPOOL INTR HUB 5MW D AH	H2	563,502	338,102	66.7%	578,345	-2.6%
NEPOOL INTR HUB 5MW D AH	U6	39,357	18,068	117.8%	34,495	14.1%
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	4,740	-100.0%	0	-
NEPOOL NE MASS 5MW D AH P	P7	105	256	-59.0%	210	-50.0%
NEPOOL NEW HAMP 5MW D AH	U2	0	128	-100.0%	0	-
NEPOOL NEW HAMP 5MW D AH	U3	0	2,370	-100.0%	0	-
NEPOOL RHD ISLD 5MW D AH	U4	3,545	13,625	-74.0%	4,364	-18.8%
NEPOOL RHODE IL 5MW D AH	U5	57,847	180,283	-67.9%	70,135	-17.5%
NEPOOL SE MASS 5MW D AH O	P5	0	1,185	-100.0%	0	-
NEPOOL SE MASS 5MW D AH P	P4	0	64	-100.0%	0	-
NEPOOL W CNT MASS 5MW D A	L9	14,196	28,208	-49.7%	19,572	-27.5%
NEPOOL W CNTR M 5MW D AH	R6	1,558	1,783	-12.6%	1,978	-21.2%
NEW ENGLAND HUB PEAK DAIL	CE	1,550	3,099	-50.0%	1,947	-20.4%
NEW YORK ETHANOL SWAP	EZ	2,430	2,105	15.4%	2,180	11.5%
NEW YORK HUB ZONE G PEAK	GN	2,386	2,719	-12.2%	2,176	9.7%
NEW YORK HUB ZONE J PEAK	JN	1,312	558	135.1%	1,312	0.0%
NGPL MID-CONTINENT	NL	35,207	39,845	-11.6%	36,679	-4.0%
NGPL MIDCONTINENT INDEX	IW	1,048	0	-	1,468	-28.6%
NGPL MIDCONTINENT SWING S	PX	0	0	-	0	-
NGPL TEX/OK	PD	43,087	69,983	-38.4%	44,396	-2.9%
NGPL TEXOK INDEX	OI	0	480	-100.0%	300	-100.0%
NGPL TEXOK SWING SWAP	OX	0	0	-	0	-
N ILLINOIS HUB DAILY	UD	178	72	147.2%	218	-18.3%

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Energy Futures						
N ILLINOIS HUB MTHLY	UM	300	828	-63.8%	320	-6.3%
NO 2 UP-DOWN SPREAD CALEN	UT	187	578	-67.6%	193	-3.1%
NORTHEN NATURAL GAS DEMAR	PE	3,613	3,006	20.2%	1,979	82.6%
NORTHEN NATURAL GAS VENTU	PF	6,320	3,538	78.6%	5,387	17.3%
NORTHERN ILLINOIS OFF-PEA	UO	240	1,352	-82.2%	320	-25.0%
NORTHWEST ROCKIES BASIS S	NR	78,142	47,298	65.2%	82,995	-5.8%
N ROCKIES PIPE SWAP	XR	668	820	-18.5%	668	0.0%
NY1% VS GC SPREAD SWAP	VR	4,926	6,963	-29.3%	5,238	-6.0%
NY 2.2% FUEL OIL (PLATTS	Y3	300	640	-53.1%	300	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	750	1,550	-51.6%	450	66.7%
NY HARBOR 1% FUEL OIL BAL	VK	0	175	-100.0%	0	-
NY HARBOR HEAT OIL SWP	MP	11,706	18,987	-38.3%	13,312	-12.1%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	2,206	1,350	63.4%	2,456	-10.2%
NY HARBOR LOW SULPUR GASOIL 1000MT	SLS	0	0	-	0	-
NY HARBOR RESIDUAL FUEL 1	MM	7,158	6,058	18.2%	6,620	8.1%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	13,621	16,409	-17.0%	12,886	5.7%
NY H OIL PLATTS VS NYMEX	YH	0	41	-100.0%	0	-
NYISO A	KA	1,260	6,482	-80.6%	1,680	-25.0%
NYISO A OFF-PEAK	KB	400	2,098	-80.9%	530	-24.5%
NYISO CAPACITY	LHV	168	0	-	168	0.0%
NYISO CAPACITY	NNC	1,796	1,588	13.1%	1,996	-10.0%
NYISO CAPACITY	NRS	2,106	3,123	-32.6%	2,231	-5.6%
NYISO G	KG	126	1,551	-91.9%	168	-25.0%
NYISO G OFF-PEAK	KH	60	558	-89.2%	90	-33.3%
NYISO J	KJ	2,600	6,253	-58.4%	2,936	-11.4%
NYISO J OFF-PEAK	KK	496	1,074	-53.8%	538	-7.8%
NYISO ZONE A 5MW D AH O P	K4	183,456	333,944	-45.1%	201,551	-9.0%
NYISO ZONE A 5MW D AH PK	K3	9,702	18,623	-47.9%	11,555	-16.0%
NYISO ZONE C 5MW D AH O P	A3	27,623	25,890	6.7%	36,455	-24.2%
NYISO ZONE C 5MW D AH PK	Q5	1,449	1,403	3.3%	1,932	-25.0%
NYISO ZONE G 5MW D AH O P	D2	303,200	239,566	26.6%	366,004	-17.2%
NYISO ZONE G 5MW D AH PK	T3	20,219	21,500	-6.0%	21,904	-7.7%
NYISO ZONE J 5MW D AH O P	D4	156,536	67,618	131.5%	139,741	12.0%
NYISO ZONE J 5MW D AH PK	D3	12,778	9,935	28.6%	11,029	15.9%
NY JET FUEL (ARGUS) VS HEATING OIL	5U	0	0	-	0	-
NY JET FUEL (PLATTS) HEAT OIL SWAP	1U	0	70	-100.0%	0	-
NYMEX ALUMINUM FUTURES	AN	1,531	2,373	-35.5%	1,216	25.9%
NYMEX ULSD VS NYMEX HO	UY	90	1,089	-91.7%	155	-41.9%
NY ULSD (ARGUS) VS HEATING OIL	7Y	5,071	4,864	4.3%	5,183	-2.2%
ONEOK OKLAHOMA NG BASIS	8X	2,361	3,006	-21.5%	2,470	-4.4%
ONTARIO POWER SWAPS	OFD	2,208	1,680	31.4%	2,208	0.0%
ONTARIO POWER SWAPS	OFM	65,199	172,049	-62.1%	74,583	-12.6%
ONTARIO POWER SWAPS	OPD	155	216	-28.2%	130	19.2%
ONTARIO POWER SWAPS	OPM	2,110	8,202	-74.3%	2,530	-16.6%
PANHANDLE BASIS SWAP FUTU	PH	46,129	52,794	-12.6%	48,002	-3.9%
PANHANDLE INDEX SWAP FUTU	IV	992	248	300.0%	992	0.0%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-
PERMIAN BASIS SWAP	PM	22,720	9,035	151.5%	21,653	4.9%
PETROCHEMICALS	22	47	50	-6.0%	24	95.8%
PETROCHEMICALS	32	63	21	200.0%	115	-45.2%
PETROCHEMICALS	51	0	0	-	0	-
PETROCHEMICALS	81	0	0	-	0	-



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Energy Futures						
PETROCHEMICALS	8I	2,113	2,655	-20.4%	1,779	18.8%
PETROCHEMICALS	91	436	29	1,403.4%	385	13.2%
PETROCHEMICALS	HPE	12	69	-82.6%	16	-25.0%
PETROCHEMICALS	LPE	0	60	-100.0%	0	-
PETROCHEMICALS	MAC	0	0	-	0	-
PETROCHEMICALS	MAE	90	20	350.0%	80	12.5%
PETROCHEMICALS	MAS	60	33	81.8%	40	50.0%
PETROCHEMICALS	MBE	2,775	3,451	-19.6%	2,760	0.5%
PETROCHEMICALS	MNB	4,262	1,951	118.5%	4,142	2.9%
PETRO CRCKS & SPRDS ASIA	STI	0	612	-100.0%	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	75	-100.0%	0	-
PETRO CRCKS & SPRDS ASIA	STS	60	178	-66.3%	80	-25.0%
PETRO CRCKS & SPRDS NA	CBA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	CRB	556	1,436	-61.3%	420	32.4%
PETRO CRCKS & SPRDS NA	EXR	1,849	1,138	62.5%	1,757	5.2%
PETRO CRCKS & SPRDS NA	FOC	2,865	1,050	172.9%	4,015	-28.6%
PETRO CRCKS & SPRDS NA	GBB	300	0	-	565	-46.9%
PETRO CRCKS & SPRDS NA	GCC	525	0	-	325	61.5%
PETRO CRCKS & SPRDS NA	GCI	4,097	4,028	1.7%	3,394	20.7%
PETRO CRCKS & SPRDS NA	GCM	31	0	-	31	0.0%
PETRO CRCKS & SPRDS NA	GCU	23,431	31,649	-26.0%	25,008	-6.3%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	13,519	14,472	-6.6%	14,291	-5.4%
PETRO CRCKS & SPRDS NA	KSD	0	390	-100.0%	0	-
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NFG	220	0	-	0	-
PETRO CRCKS & SPRDS NA	NYF	375	975	-61.5%	425	-11.8%
PETRO CRCKS & SPRDS NA	NYH	450	0	-	300	50.0%
PETRO CRCKS & SPRDS NA	RBB	24,924	18,468	35.0%	20,934	19.1%
PETRO CRCKS & SPRDS NA	RVG	14,928	250	5,871.2%	19,825	-24.7%
PETRO CRCKS & SPRDS NA	SF3	0	0	-	5	-100.0%
PETRO CRK&SPRD EURO	1NB	4,116	3,889	5.8%	4,259	-3.4%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-
PETRO CRK&SPRD EURO	43	607	56	983.9%	274	121.5%
PETRO CRK&SPRD EURO	BFR	15	120	-87.5%	20	-25.0%
PETRO CRK&SPRD EURO	BOB	5,182	4,580	13.1%	4,859	6.6%
PETRO CRK&SPRD EURO	EBF	0	0	-	0	-
PETRO CRK&SPRD EURO	EOB	39	86	-54.7%	55	-29.1%
PETRO CRK&SPRD EURO	EPN	697	174	300.6%	665	4.8%
PETRO CRK&SPRD EURO	EVC	5,588	3,420	63.4%	4,751	17.6%
PETRO CRK&SPRD EURO	FBT	0	100	-100.0%	50	-100.0%
PETRO CRK&SPRD EURO	FVB	0	24	-100.0%	0	-
PETRO CRK&SPRD EURO	GCB	345	0	-	0	-
PETRO CRK&SPRD EURO	GOC	111	174	-36.2%	121	-8.3%
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	73	209	-65.1%	44	65.9%
PETRO CRK&SPRD EURO	MUD	298	336	-11.3%	388	-23.2%
PETRO CRK&SPRD EURO	NBB	10	0	-	10	0.0%
PETRO CRK&SPRD EURO	NOB	1,144	662	72.8%	1,223	-6.5%
PETRO CRK&SPRD EURO	NYG	0	0	-	0	-

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Energy Futures						
PETRO CRK&SPRD EURO	SFB	50	0	-	10	400.0%
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	0	0	-	10	-100.0%
PETROLEUM PRODUCTS	D63	0	0	-	0	-
PETROLEUM PRODUCTS	D64	0	0	-	0	-
PETROLEUM PRODUCTS	D65	0	0	-	0	-
PETROLEUM PRODUCTS	EWB	0	0	-	0	-
PETROLEUM PRODUCTS	EWG	6,167	0	-	3,353	83.9%
PETROLEUM PRODUCTS	MBS	8	0	-	0	-
PETROLEUM PRODUCTS	MHE	0	0	-	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	RMG	0	0	-	0	-
PETROLEUM PRODUCTS	RMK	0	0	-	0	-
PETROLEUM PRODUCTS	VU	1,172	250	368.8%	147	697.3%
PETROLEUM PRODUCTS ASIA	E6M	0	0	-	40	-100.0%
PETROLEUM PRODUCTS ASIA	MJN	1,620	1,844	-12.1%	1,166	38.9%
PETRO OUTRIGHT EURO	0A	0	20	-100.0%	0	-
PETRO OUTRIGHT EURO	0B	90	187	-51.9%	175	-48.6%
PETRO OUTRIGHT EURO	0C	0	8	-100.0%	40	-100.0%
PETRO OUTRIGHT EURO	0D	8,281	8,912	-7.1%	6,846	21.0%
PETRO OUTRIGHT EURO	0E	1,160	256	353.1%	1,176	-1.4%
PETRO OUTRIGHT EURO	0F	1,966	1,457	34.9%	1,832	7.3%
PETRO OUTRIGHT EURO	1T	0	6	-100.0%	0	-
PETRO OUTRIGHT EURO	33	201	322	-37.6%	154	30.5%
PETRO OUTRIGHT EURO	59	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	240	75	220.0%	50	380.0%
PETRO OUTRIGHT EURO	63	128	55	132.7%	285	-55.1%
PETRO OUTRIGHT EURO	6L	0	0	-	0	-
PETRO OUTRIGHT EURO	7I	97	230	-57.8%	109	-11.0%
PETRO OUTRIGHT EURO	7P	0	0	-	0	-
PETRO OUTRIGHT EURO	7R	276	42	557.1%	290	-4.8%
PETRO OUTRIGHT EURO	88	0	0	-	0	-
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTRIGHT EURO	CPB	44	48	-8.3%	48	-8.3%
PETRO OUTRIGHT EURO	EFF	85	0	-	0	-
PETRO OUTRIGHT EURO	EFM	215	32	571.9%	410	-47.6%
PETRO OUTRIGHT EURO	ENS	410	141	190.8%	524	-21.8%
PETRO OUTRIGHT EURO	EWN	398	406	-2.0%	491	-18.9%
PETRO OUTRIGHT EURO	FBD	0	10	-100.0%	0	-
PETRO OUTRIGHT EURO	MBB	0	50	-100.0%	0	-
PETRO OUTRIGHT EURO	MBN	3,238	3,416	-5.2%	3,724	-13.1%
PETRO OUTRIGHT EURO	RBF	0	0	-	0	-
PETRO OUTRIGHT EURO	SMU	200	0	-	200	0.0%
PETRO OUTRIGHT EURO	T0	785	288	172.6%	262	199.6%
PETRO OUTRIGHT EURO	ULB	0	0	-	0	-
PETRO OUTRIGHT EURO	V0	180	490	-63.3%	100	80.0%
PETRO OUTRIGHT EURO	W0	0	0	-	0	-
PETRO OUTRIGHT EURO	X0	150	60	150.0%	150	0.0%
PETRO OUTRIGHT EURO	Y0	0	0	-	0	-

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Energy Futures						
PETRO OUTRIGHT NA	5Y	0	0	-	0	-
PETRO OUTRIGHT NA	DBB	0	0	-	0	-
PETRO OUTRIGHT NA	FCB	1,244	64	1,843.8%	210	492.4%
PETRO OUTRIGHT NA	FOB	0	0	-	0	-
PETRO OUTRIGHT NA	FOM	5	15	-66.7%	0	-
PETRO OUTRIGHT NA	GBA	0	0	-	0	-
PETRO OUTRIGHT NA	GUD	0	0	-	0	-
PETRO OUTRIGHT NA	JE	126	140	-10.0%	164	-23.2%
PETRO OUTRIGHT NA	JET	10,490	3,025	246.8%	10,005	4.8%
PETRO OUTRIGHT NA	MBL	161	342	-52.9%	175	-8.0%
PETRO OUTRIGHT NA	MEN	388	363	6.9%	375	3.5%
PETRO OUTRIGHT NA	MEO	10,031	7,001	43.3%	8,616	16.4%
PETRO OUTRIGHT NA	MFD	206	335	-38.5%	196	5.1%
PETRO OUTRIGHT NA	MMF	359	212	69.3%	198	81.3%
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	925,237	1,673,625	-44.7%	942,051	-1.8%
PJM AD HUB 5MW REAL TIME	Z9	47,440	70,113	-32.3%	48,568	-2.3%
PJM AECO DA OFF-PEAK	X1	28,152	86,024	-67.3%	31,608	-10.9%
PJM AECO DA PEAK	Y1	1,521	4,675	-67.5%	1,710	-11.1%
PJM APS ZONE DA OFF-PEAK	W4	3,603	17,667	-79.6%	4,755	-24.2%
PJM APS ZONE DA PEAK	S4	189	957	-80.3%	252	-25.0%
PJM ATSI ELEC	MOD	15,640	23,400	-33.2%	17,560	-10.9%
PJM ATSI ELEC	MPD	845	1,275	-33.7%	950	-11.1%
PJM BGE DA OFF-PEAK	R3	35,888	17,176	108.9%	36,272	-1.1%
PJM BGE DA PEAK	E3	1,954	999	95.6%	1,975	-1.1%
PJM COMED 5MW D AH O PK	D9	182,095	103,285	76.3%	205,135	-11.2%
PJM COMED 5MW D AH PK	D8	9,830	8,174	20.3%	11,510	-14.6%
PJM DAILY	JD	704	420	67.6%	1,088	-35.3%
PJM DAYTON DA OFF-PEAK	R7	99,510	138,648	-28.2%	113,100	-12.0%
PJM DAYTON DA PEAK	D7	27,280	12,741	114.1%	27,910	-2.3%
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	31,280	78,160	-60.0%	35,120	-10.9%
PJM JCPL DA PEAK	J2	1,690	4,250	-60.2%	1,900	-11.1%
PJM NI HUB 5MW REAL TIME	B3	46,089	36,653	25.7%	46,436	-0.7%
PJM NI HUB 5MW REAL TIME	B6	886,153	1,372,336	-35.4%	906,304	-2.2%
PJM NILL DA OFF-PEAK	L3	853,688	399,141	113.9%	875,119	-2.4%
PJM NILL DA PEAK	N3	44,504	19,600	127.1%	46,203	-3.7%
PJM OFF-PEAK LMP SWAP FUT	JP	1,760	5,202	-66.2%	2,072	-15.1%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	128	-100.0%	0	-
PJM PEPKO DA OFF-PEAK	Q8	0	0	-	0	-
PJM PEPKO DA PEAK	R8	0	0	-	0	-
PJM PPL DA OFF-PEAK	F5	15,613	71,817	-78.3%	20,605	-24.2%
PJM PPL DA PEAK	L5	819	4,147	-80.3%	1,092	-25.0%
PJM PSEG DA OFF-PEAK	W6	132,640	1,960	6,667.3%	134,560	-1.4%
PJM PSEG DA PEAK	L6	5,100	110	4,536.4%	5,100	0.0%
PJM WES HUB PEAK LMP 50 M	4S	0	64	-100.0%	0	-

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Energy Futures						
PJM WESTH DA OFF-PEAK	E4	926,969	1,311,776	-29.3%	1,027,444	-9.8%
PJM WESTHDA PEAK	J4	52,153	70,809	-26.3%	57,192	-8.8%
PJM WESTH RT OFF-PEAK	N9	2,755,586	3,150,787	-12.5%	2,965,242	-7.1%
PJM WESTH RT PEAK	L1	177,911	158,986	11.9%	179,534	-0.9%
PLASTICS	PGP	1,079	2,643	-59.2%	1,153	-6.4%
PLASTICS	PPP	0	0	-	0	-
PREMIUM UNLD 10P FOB MED	3G	180	365	-50.7%	257	-30.0%
PREMIUM UNLD 10PPM CARGOE	4G	0	0	-	0	-
PREMIUM UNLEAD 10PPM FOB	8G	61	40	52.5%	5	1,120.0%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	5	-100.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	16	0	-	40	-60.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	368	139	164.7%	2,100	-82.5%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	31,653	24,910	27.1%	27,435	15.4%
RBOB CALENDAR SWAP	RL	15,773	13,800	14.3%	15,691	0.5%
RBOB CRACK SPREAD	RM	3,016	3,037	-0.7%	2,821	6.9%
RBOB CRACK SPREAD BALMO S	1E	0	30	-100.0%	300	-100.0%
RBOB GASOLINE BALMO CLNDR	1D	245	82	198.8%	693	-64.6%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	50	109	-54.1%	55	-9.1%
RBOB UP-DOWN CALENDAR SWA	RV	0	18,235	-100.0%	0	-
RBOB VS HEATING OIL SWAP	RH	3,100	2,325	33.3%	3,605	-14.0%
ROCKIES KERN OPAL - NW IN	IR	0	1,880	-100.0%	240	-100.0%
SAN JUAN BASIS SWAP	NJ	43,007	11,214	283.5%	41,630	3.3%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-
SINGAPORE 180CST BALMO	BS	42	22	90.9%	52	-19.2%
SINGAPORE 380CST BALMO	BT	25	22	13.6%	203	-87.7%
SINGAPORE 380CST FUEL OIL	SE	11,679	6,760	72.8%	12,058	-3.1%
SINGAPORE FUEL 180CST CAL	UA	1,547	1,995	-22.5%	1,411	9.6%
SINGAPORE FUEL OIL SPREAD	SD	1,468	1,085	35.3%	1,329	10.5%
SINGAPORE GASOIL	MTB	98	35	180.0%	202	-51.5%
SINGAPORE GASOIL	MTS	6,769	4,276	58.3%	8,368	-19.1%
SINGAPORE GASOIL	STF	0	0	-	0	-
SINGAPORE GASOIL	STL	0	0	-	0	-
SINGAPORE GASOIL	STZ	0	150	-100.0%	60	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	36	440	-91.8%	175	-79.4%
SINGAPORE GASOIL SWAP	SG	18,759	4,675	301.3%	13,004	44.3%
SINGAPORE GASOIL VS ICE	GA	11,201	4,320	159.3%	9,956	12.5%
SINGAPORE JET KERO BALMO	BX	0	225	-100.0%	100	-100.0%
SINGAPORE JET KERO GASOIL	RK	3,690	1,345	174.3%	3,620	1.9%
SINGAPORE JET KEROSENE SW	KS	2,135	3,420	-37.6%	2,046	4.3%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	50	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	874	425	105.6%	100	774.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	13,609	8,296	64.0%	10,735	26.8%
SINGAPORE NAPHTHA BALMO	KU	0	0	-	0	-
SINGAPORE NAPHTHA SWAP	SP	0	50	-100.0%	0	-
SING FUEL	MSD	0	0	-	15	-100.0%
SOCAL BASIS SWAP	NS	0	48	-100.0%	0	-
SOCAL PIPE SWAP	XN	3,624	244	1,385.2%	3,624	0.0%
SONAT BASIS SWAP FUTURE	SZ	852	8,076	-89.5%	1,441	-40.9%
SOUTHERN NAT LA NAT GAS	M8	0	620	-100.0%	90	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	464	2,680	-82.7%	698	-33.5%
Sumas Basis Swap	NK	9,757	11,805	-17.3%	9,668	0.9%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	913	1,980	-53.9%	1,068	-14.5%



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Energy Futures						
TC2 ROTTERDAM TO USAC 37K	TM	0	0	-	0	-
TC5 RAS TANURA TO YOKOHAM	TH	0	0	-	0	-
TCO BASIS SWAP	TC	30,776	52,951	-41.9%	32,675	-5.8%
TCO NG INDEX SWAP	Q1	976	3,664	-73.4%	976	0.0%
TD3 MEG TO JAPAN 250K MT	TL	0	0	-	0	-
TENN 800 LEG NAT GAS INDE	L4	0	2,094	-100.0%	0	-
TENNESSEE 500 LEG BASIS S	NM	1,599	2,438	-34.4%	1,847	-13.4%
TENNESSEE 500 LEG NG INDE	Y7	0	0	-	0	-
TENNESSEE 500 LEG NG SWIN	T7	0	0	-	0	-
TENNESSEE 800 LEG NG BASI	6Z	852	2,196	-61.2%	1,038	-17.9%
TENNESSEE ZONE 0 BASIS SW	NQ	2,240	604	270.9%	2,364	-5.2%
Tetco ELA Basis	TE	0	0	-	0	-
TETCO M-3 INDEX	IX	7,596	6,784	12.0%	8,418	-9.8%
Tetco STX Basis	TX	2,098	3,050	-31.2%	2,408	-12.9%
TEXAS EASTERN ZONE M-3 BA	NX	22,615	14,173	59.6%	23,109	-2.1%
TEXAS GAS ZONE1 NG BASIS	9F	14,253	16,388	-13.0%	14,656	-2.7%
TRANSCO ZONE 1 NG BASIS	8E	0	0	-	0	-
Transco Zone 3 Basis	CZ	7,540	11,406	-33.9%	7,517	0.3%
TRANSCO ZONE4 BASIS SWAP	TR	22,651	42,705	-47.0%	25,080	-9.7%
TRANSCO ZONE 4 NAT GAS IN	B2	0	62	-100.0%	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	6,254	4,776	30.9%	5,635	11.0%
TRANSCO ZONE 6 INDEX	IT	2,558	0	-	2,858	-10.5%
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	0	-	0	-
UCM FUT	UCM	87	270	-67.8%	100	-13.0%
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	46	115	-60.0%	73	-37.0%
ULSD 10PPM CIF NW BALMO S	B1	0	0	-	0	-
ULSD 10PPM CIF VS ICE GAS	7V	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	4,645	3,625	28.1%	7,845	-40.8%
UP DOWN GC ULSD VS NMX HO	LT	55,322	55,614	-0.5%	50,266	10.1%
USGC UNL 87 CRACK SPREAD	RU	0	650	-100.0%	0	-
VENTURA NAT GAS PLATTS FIXED PRICE	DVA	0	22	-100.0%	0	-
WAHA BASIS	NW	13,684	17,251	-20.7%	14,111	-3.0%
WAHA INDEX SWAP FUTURE	IY	1,764	0	-	2,424	-27.2%
WESTERN RAIL DELIVERY PRB	QP	1,865	3,580	-47.9%	1,990	-6.3%
WTI-BRENT BULLET SWAP	BY	0	5	-100.0%	0	-
WTI-BRENT CALENDAR SWAP	BK	51,413	111,983	-54.1%	57,218	-10.1%
WTI CALENDAR	CS	119,023	137,160	-13.2%	119,672	-0.5%
WTS (ARGUS) VS WTI SWAP	FF	42,210	40,528	4.2%	31,026	36.0%
WTS (ARGUS) VS WTI TRD MT	FH	3,242	5,522	-41.3%	3,445	-5.9%
Energy Options						
1 MO GASOIL CAL SWAP SPR	GXA	100	100	0.0%	100	0.0%
APPALACHIAN COAL	6K	0	0	-	0	-
BRENT 1 MONTH CAL	AA	0	0	-	0	-
BRENT CALENDAR SWAP	BA	27,305	150,820	-81.9%	28,714	-4.9%
BRENT OIL LAST DAY	BE	6,090	14,984	-59.4%	13,014	-53.2%
BRENT OIL LAST DAY	BZO	59,143	0	-	60,505	-2.3%
BRENT OIL LAST DAY	OS	20,436	45,569	-55.2%	34,398	-40.6%
COAL API2 INDEX	CLA	29,379	30,618	-4.0%	28,134	4.4%
COAL API2 INDEX	CQA	100	36,620	-99.7%	100	0.0%
COAL API2 INDEX	MTC	0	0	-	0	-



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Energy Options						
COAL API4 INDEX	RLA	150	1,490	-89.9%	100	50.0%
COAL API4 INDEX	RQA	270	500	-46.0%	170	58.8%
COAL SWAP	CPF	120	350	-65.7%	120	0.0%
COAL SWAP	RPF	1,080	2,265	-52.3%	1,080	0.0%
CRUDE OIL 1MO	WA	640,901	270,414	137.0%	703,290	-8.9%
CRUDE OIL APO	AO	281,296	432,115	-34.9%	269,790	4.3%
CRUDE OIL CALNDR STRIP	6F	0	110	-100.0%	0	-
CRUDE OIL OUTRIGHTS	AH	750	600	25.0%	1,290	-41.9%
CRUDE OIL OUTRIGHTS	DBP	630	4,905	-87.2%	840	-25.0%
CRUDE OIL PHY	CD	0	0	0.0%	0	0.0%
CRUDE OIL PHY	LC	70,396	107,514	-34.5%	67,256	4.7%
CRUDE OIL PHY	LO	3,079,105	3,383,462	-9.0%	3,042,117	1.2%
CRUDE OIL PHY	LO1	2,285	818	179.3%	738	209.6%
CRUDE OIL PHY	LO2	125	2	6,150.0%	277	-54.9%
CRUDE OIL PHY	LO3	52	0	-	17	205.9%
CRUDE OIL PHY	LO4	0	0	-	0	-
CRUDE OIL PHY	LO5	0	0	0.0%	0	0.0%
DAILY CRUDE OIL	DNM	0	0	-	0	-
ELEC FINSETTLED	PML	44	90	-51.1%	38	15.8%
ELEC MISO PEAK	9T	420	0	-	420	0.0%
ELEC MISO PEAK	OEM	0	0	-	0	-
ELECTRICITY OFF PEAK	N9P	0	0	-	0	-
ETHANOL	CE1	0	0	-	0	-
ETHANOL	CE3	0	0	-	0	-
ETHANOL SWAP	CVR	16,183	14,791	9.4%	14,555	11.2%
ETHANOL SWAP	GVR	3,189	7,914	-59.7%	2,866	11.3%
EURO-DENOMINATED PETRO PROD	EFB	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	NWE	0	15	-100.0%	0	-
EUROPEAN JET KEROSENE NWE (PLATTS) AVG PRC	30	30	0	-	40	-25.0%
GASOIL CRACK SPREAD AVG PRICE OPTIONS	3U	0	0	-	0	-
GASOLINE	GCE	456	125	264.8%	456	0.0%
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	200	0	-	300	-33.3%
HEATING OIL PHY	LB	983	974	0.9%	1,081	-9.1%
HEATING OIL PHY	OH	76,750	71,471	7.4%	67,022	14.5%
HENRY HUB FINANCIAL LAST	E7	11,104	7,594	46.2%	11,087	0.2%
HO 1 MONTH CLNDR OPTIONS	FA	200	600	-66.7%	400	-50.0%
HUSTN SHIP CHNL PIPE SWP	PK	0	1,080	-100.0%	0	-
ISO NEW ENGLAND PK LMP	OE	0	0	-	0	-
LLS CRUDE OIL	WJO	9,880	0	-	10,470	-5.6%
MCCLOSKEY ARA ARGS COAL	MTO	1,125	3,600	-68.8%	1,130	-0.4%
MCCLOSKEY RCH BAY COAL	MFO	325	1,590	-79.6%	420	-22.6%
NATURAL GAS	G10	0	0	-	0	-
NATURAL GAS 12 M CSO FIN	G7	0	1,200	-100.0%	0	-
NATURAL GAS 1 M CSO FIN	G4	27,750	15,275	81.7%	8,050	244.7%
NATURAL GAS 2 M CSO FIN	G2	1,000	2,000	-50.0%	200	400.0%
NATURAL GAS 3 M CSO FIN	G3	350	2,500	-86.0%	250	40.0%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	G6	1,500	2,000	-25.0%	0	-
NATURAL GAS OPTION ON CALENDAR STRP	6J	18,686	13,487	38.5%	17,826	4.8%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	2,380,289	2,896,380	-17.8%	2,410,274	-1.2%
NATURAL GAS PHY	ON	138,228	175,592	-21.3%	119,079	16.1%
NATURAL GAS PHY	ON1	0	0	-	0	-

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Energy Options						
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	9,780	9,337	4.7%	9,150	6.9%
NY HARBOR HEAT OIL SWP	AT	39,776	80,159	-50.4%	40,309	-1.3%
NYISO ZONE G 5MW PEAK OPTIONS	9U	420	440	-4.5%	420	0.0%
NYMEX EUROPEAN GASOIL APO	F7	30	1,354	-97.8%	0	-
NYMEX EUROPEAN GASOIL OPT	F8	0	120	-100.0%	0	-
PETROCHEMICALS	4H	4,536	8,537	-46.9%	5,982	-24.2%
PETROCHEMICALS	4I	0	0	-	0	-
PETROCHEMICALS	4J	5,300	1,170	353.0%	5,045	5.1%
PETROCHEMICALS	4K	690	0	-	690	0.0%
PETROCHEMICALS	CPR	25	0	-	165	-84.8%
PETRO OUTRIGHT EURO	8H	0	165	-100.0%	0	-
PGE CITYGATE PIPE SWAP	CW	0	1,200	-100.0%	0	-
PJM CALENDAR STRIP	6O	0	1,400	-100.0%	0	-
PJM ELECTRIC	6OO	0	6	-100.0%	0	-
PJM MONTHLY	JO	0	22	-100.0%	0	-
PJM WES HUB PEAK CAL MTH	6OA	710	200	255.0%	550	29.1%
PJM WES HUB PEAK CAL MTH	JOA	9,840	0	-	9,840	0.0%
PJM WES HUB PEAK LMP 50MW	PMA	8,963	0	-	8,883	0.9%
RBOB 1MO CAL SPD OPTIONS	ZA	50	0	-	0	-
RBOB CALENDAR SWAP	RA	2,453	8,469	-71.0%	3,395	-27.7%
RBOB PHY	OB	21,088	23,820	-11.5%	25,748	-18.1%
RBOB PHY	RF	0	0	-	0	-
ROTTERDAM 3.5%FUEL OIL CL	Q6	510	690	-26.1%	510	0.0%
SAN JUAN PIPE SWAP	PJ	8,736	4,732	84.6%	8,316	5.1%
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	1,000	0	-	0	-
SHORT TERM NATURAL GAS	U02	0	2,225	-100.0%	0	-
SHORT TERM NATURAL GAS	U03	0	0	-	675	-100.0%
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	-

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Commodity		Open Interest OCT 2016	Open Interest OCT 2015	% CHG	Open Interest SEP 2016	% CHG
Energy Options						
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	-
SHORT TERM NATURAL GAS	U29	0	0	-	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	300	0.0%	300	0.0%
SINGAPORE JET FUEL CALEND	N2	840	1,500	-44.0%	700	20.0%
SOCAL PIPE SWAP	ZN	7,200	1,840	291.3%	7,200	0.0%
WTI 12 MONTH CALENDAR OPT	WZ	0	2,000	-100.0%	0	-
WTI 6 MONTH CALENDAR OPTI	WM	0	0	-	0	-
WTI-BRENT BULLET SWAP	BV	21,060	32,145	-34.5%	23,480	-10.3%
WTI CRUDE OIL 12 M CSO F	7Z	0	0	-	0	-
WTI CRUDE OIL 1 M CSO FI	7A	335,125	401,927	-16.6%	356,870	-6.1%
Metals Futures						
COMEX GOLD	GC	511,276	454,571	12.5%	571,054	-10.5%
NYMEX HOT ROLLED STEEL	HR	16,863	22,864	-26.2%	17,510	-3.7%
NYMEX PLATINUM	PL	71,127	70,099	1.5%	68,461	3.9%
PALLADIUM	PA	22,825	26,017	-12.3%	28,148	-18.9%
URANIUM	UX	5,151	4,577	12.5%	5,051	2.0%
COMEX SILVER	SI	194,016	169,495	14.5%	202,973	-4.4%
COMEX E-Mini GOLD	QO	2,343	1,142	105.2%	2,226	5.3%
E-MINI SILVER	6Q	0	0	-	0	-
COMEX E-Mini SILVER	QI	198	101	96.0%	109	81.7%
COMEX COPPER	HG	200,654	166,310	20.7%	183,405	9.4%
COMEX MINY COPPER	QC	32	139	-77.0%	28	14.3%
Aluminium MW Trans Prem Platts	AUP	30,013	20,061	49.6%	30,906	-2.9%
ALUMINUM	A38	62	0	-	61	1.6%
ALUMINUM	AEP	6,266	1,244	403.7%	6,550	-4.3%
ALUMINUM	ALA	60	0	-	0	-
ALUMINUM	ALI	283	166	70.5%	233	21.5%
ALUMINUM	EDP	5,019	0	-	3,609	39.1%
ALUMINUM	MJP	3,101	0	-	2,976	4.2%
COPPER	HGS	2,482	6,043	-58.9%	3,167	-21.6%
E-MICRO GOLD	MGC	3,097	2,237	38.4%	2,680	15.6%
FERROUS PRODUCTS	BUS	397	154	157.8%	442	-10.2%
FERROUS PRODUCTS	SSF	0	0	-	0	-
Gold Kilo	GCK	144	81	77.8%	149	-3.4%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FUTURES	PIO	1,440	330	336.4%	960	50.0%
IRON ORE 62 CHINA TSI FUTURES	TIO	20,388	19,282	5.7%	22,469	-9.3%
LNDN ZINC	ZNC	27	66	-59.1%	9	200.0%
METALS	LED	0	0	-	15	-100.0%
SILVER	SIL	1,040	1,984	-47.6%	724	43.6%
Metals Options						
COMEX COPPER	UV	5,200	2,800	82.5%	2,700	45.0%



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest OCT 2016	Open Interest OCT 2015	% CHG	Open Interest SEP 2016	% CHG
Metals Options					
COMEX COPPER	3,009	2,000	50.0%	3,702	43.0%
COMEX GOLD	1,120,493	1,419,391	-21.1%	1,078,550	3.9%
COMEX SILVER	137,363	150,301	-8.6%	131,932	4.1%
COPPER	0	0	-	0	-
GOLD	1,185	406	191.9%	309	283.5%
GOLD	164	50	228.0%	176	-6.8%
GOLD	19	0	-	3	533.3%
GOLD	21	0	-	0	-
GOLD	0	0	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	13,333	9,798	36.1%	13,675	-2.5%
IRON ORE 62 CHINA TSI PUT OPTION	15,731	23,910	-34.2%	18,254	-13.8%
NYMEX PLATINUM	5,833	5,302	10.0%	5,417	7.7%
PALLADIUM	3,569	5,568	-35.9%	4,139	-13.8%
SHORT TERM	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SILVER	68	0	-	39	74.4%
SILVER	135	0	-	15	800.0%
SILVER	3	0	-	21	-85.7%
SILVER	0	0	-	0	-
SILVER	0	0	-	0	0.0%
TOTAL FUTURES GROUP					
Commodities and Alternative Investments Futures	41	80	-48.8%	67	-38.8%
Energy Futures	18,713,303	20,477,850	-8.6%	19,168,365	-2.4%
Metals Futures	1,098,304	966,963	13.6%	1,153,915	-4.8%
TOTAL FUTURES	19,811,648	21,444,893	-7.6%	20,322,347	-2.5%
TOTAL OPTIONS GROUP					
Energy Options	7,386,837	8,285,292	-10.8%	7,426,242	-0.5%
Metals Options	1,303,306	1,617,526	-19.4%	1,256,232	3.7%
TOTAL OPTIONS	8,690,143	9,902,818	-12.2%	8,682,474	0.1%

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NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest OCT 2016	Open Interest OCT 2015	% CHG	Open Interest SEP 2016	% CHG
TOTAL COMBINED					
Commodities and Alternative Investments	41	80	-48.8%	67	-38.8%
Energy	26,100,140	28,763,142	-9.3%	26,594,607	-1.9%
Metals	2,401,610	2,584,489	-7.1%	2,410,147	-0.4%
GRAND TOTAL	28,501,791	31,347,711	-9.1%	29,004,821	-1.7%