



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest DEC 2017	Open Interest DEC 2016	% CHG	Open Interest NOV 2017	% CHG
Commodities and Alternative Investments Futures					
COCOA TAS	4	13	-69.2%	1	300.0%
COFFEE	0	1	-100.0%	0	-
COTTON	1	4	-75.0%	1	0.0%
SUGAR 11	0	1	-100.0%	0	-
Energy Futures					
CRUDE OIL PHY	2,463,668	2,068,877	19.1%	2,524,205	-2.4%
CRUDE OIL	2,526	1,443	75.1%	4,280	-41.0%
MINY WTI CRUDE OIL	4,859	4,372	11.1%	4,390	10.7%
BRENT OIL LAST DAY	172,294	126,410	36.3%	151,897	13.4%
HEATING OIL PHY	439,305	428,386	2.5%	428,932	2.4%
HTG OIL	269	1,033	-74.0%	288	-6.6%
MINY HTG OIL	1	1	0.0%	0	-
RBOB PHY	383,668	403,123	-4.8%	406,613	-5.6%
MINY RBOB GAS	0	0	0.0%	0	-
NATURAL GAS	115,785	106,281	8.9%	107,736	7.5%
LTD NAT GAS	389,877	355,797	9.6%	396,152	-1.6%
MINY NATURAL GAS	2,857	2,027	40.9%	1,811	57.8%
PJM MONTHLY	1,516	4,602	-67.1%	1,698	-10.7%
NATURAL GAS PHY	1,438,202	1,251,358	14.9%	1,447,093	-0.6%
RBOB GAS	1,795	1,334	34.6%	1,732	3.6%
3.5% FUEL OIL CID MED SWA	167	674	-75.2%	225	-25.8%
3.5% FUEL OIL CIF BALMO S	0	90	-100.0%	0	-
AEP-DAYTON HUB DAILY	152	248	-38.7%	164	-7.3%
AEP-DAYTON HUB MTHLY	70	907	-92.3%	140	-50.0%
AEP-DAYTON HUB OFF-PEAK M	50	667	-92.5%	100	-50.0%
ALGON CITY GATES NAT GAS	0	2,680	-100.0%	0	-
ALGONQUIN CITYGATES BASIS	90	2,821	-96.8%	276	-67.4%
ANR LOUISIANA BASIS SWAP	0	214	-100.0%	0	-
ANR OKLAHOMA	1,703	3,532	-51.8%	1,734	-1.8%
APPALACHIAN COAL (PHY)	0	0	-	0	-
ARGUS LLS VS. WTI (ARG) T	59,466	11,079	436.7%	53,921	10.3%
ARGUS PROPAN FAR EST INDE	3,330	1,654	101.3%	3,277	1.6%
ARGUS PROPAN(SAUDI ARAMCO	918	608	51.0%	905	1.4%
AUSTRIALIAN COKE COAL	0	0	-	60	-100.0%
AUSTRIALIAN COKE COAL	380	900	-57.8%	424	-10.4%
BRENT BALMO SWAP	0	250	-100.0%	0	-
BRENT CALENDAR SWAP	15,733	14,834	6.1%	17,250	-8.8%
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	3,322	1,089	205.1%	4,022	-17.4%
BRENT FINANCIAL FUTURES	0	0	-	0	-
BRENT FINANCIAL FUTURES	48	350	-86.3%	0	-
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	0	15,640	-100.0%	0	-
CAISO SP15 EZGNHUB5 PEAK	0	1,690	-100.0%	0	-
CANADIAN LIGHT SWEET OIL	77	9,410	-99.2%	84	-8.3%
CENTERPOINT BASIS SWAP	9,545	19,799	-51.8%	10,293	-7.3%
CENTERPOINT EAST INDEX	0	0	-	0	-
CENTER POINT NAT GAS FIXED PRICE	0	0	-	0	-
CHICAGO ETHANOL SWAP	59,409	56,560	5.0%	56,465	5.2%



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CHICAGO ULSD (PLATTS) SWA	4C	0	3	-100.0%	0	-
CHICAGO ULSD PL VS HO SPR	5C	913	1,102	-17.2%	501	82.2%
CHICAGO UNL GAS PL VS RBO	3C	3	39	-92.3%	6	-50.0%
CIG BASIS	CI	23,054	48,622	-52.6%	24,695	-6.6%
CIG ROCKIES NG INDEX SWA	Z8	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	EJ	120	194	-38.1%	120	0.0%
CINERGY HUB PEAK MONTH	EM	288	302	-4.6%	288	0.0%
CIN HUB 5MW D AH O PK	K2	150,080	247,600	-39.4%	163,800	-8.4%
CIN HUB 5MW D AH PK	H5	8,278	17,052	-51.5%	8,680	-4.6%
CIN HUB 5MW REAL TIME O P	H4	472,840	661,456	-28.5%	499,128	-5.3%
CIN HUB 5MW REAL TIME PK	H3	38,474	45,224	-14.9%	40,014	-3.8%
COAL SWAP	ACM	160	353	-54.7%	130	23.1%
COAL SWAP	SSI	0	20	-100.0%	0	-
COLUMB GULF MAINLINE NG B	5Z	4,686	20,114	-76.7%	5,766	-18.7%
COLUMBIA GULF MAIN NAT G	L2	0	0	-	0	-
COLUMBIA GULF NAT GAS FIXED PRICE	DCE	0	0	-	0	-
COLUMBIA GULF ONSHORE	GL	0	17,279	-100.0%	1,457	-100.0%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	1,106	429	157.8%	1,248	-11.4%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,810	1,095	65.3%	2,712	-33.3%
CONWAY PROPANE 5 DECIMALS SWAP	8K	16,714	18,504	-9.7%	17,860	-6.4%
CRUDE OIL	CHB	0	0	-	0	-
CRUDE OIL	LPS	15,310	20,680	-26.0%	14,850	3.1%
CRUDE OIL OUTRIGHTS	37	0	0	-	0	-
CRUDE OIL OUTRIGHTS	42	432	184	134.8%	140	208.6%
CRUDE OIL OUTRIGHTS	CC5	60	0	-	0	-
CRUDE OIL OUTRIGHTS	CPD	500	0	-	0	-
CRUDE OIL OUTRIGHTS	CSN	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSW	360	1,555	-76.8%	570	-36.8%
CRUDE OIL OUTRIGHTS	DBL	0	0	-	11	-100.0%
CRUDE OIL OUTRIGHTS	FE	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	30	70	-57.1%	45	-33.3%
CRUDE OIL OUTRIGHTS	HTT	66,885	12,199	448.3%	61,725	8.4%
CRUDE OIL OUTRIGHTS	LSW	2,325	0	-	2,535	-8.3%
CRUDE OIL OUTRIGHTS	SSW	60	0	-	90	-33.3%
CRUDE OIL OUTRIGHTS	UMD	600	0	-	0	-
CRUDE OIL OUTRIGHTS	UNS	1,878	0	-	0	-
CRUDE OIL OUTRIGHTS	WCC	1,900	9,990	-81.0%	2,130	-10.8%
CRUDE OIL OUTRIGHTS	WCW	23,683	0	-	24,551	-3.5%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL SPRDS	38	0	250	-100.0%	0	-
CRUDE OIL SPRDS	WTT	99,372	23,990	314.2%	70,917	40.1%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	20,328	15,552	30.7%	13,320	52.6%
DAILY PJM	IDO	21,744	24,752	-12.2%	17,688	22.9%
DAILY PJM	NOC	27,216	26,064	4.4%	30,240	-10.0%
DAILY PJM	PAP	531	1,137	-53.3%	675	-21.3%
DAILY PJM	PEO	12,232	5,440	124.9%	13,400	-8.7%
DAILY PJM	PNO	99,568	67,728	47.0%	157,584	-36.8%
DAILY PJM	PNP	3,483	3,242	7.4%	5,435	-35.9%
DAILY PJM	PWO	49,560	86,224	-42.5%	93,800	-47.2%
DAILY PJM	PWP	2,140	4,081	-47.6%	4,650	-54.0%
DAILY PJM	WOR	46,368	74,016	-37.4%	33,120	40.0%
DAILY PJM	ZAO	10,288	18,632	-44.8%	16,080	-36.0%

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DAILY PJM	ZGO	33,544	28,016	19.7%	11,256	198.0%
DAILY PJM	ZJO	10,600	10,880	-2.6%	2,680	295.5%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	10,005	15,940	-37.2%	11,105	-9.9%
DEMARC INDEX FUTURE	DI	0	0	-	0	-
DEMARC SWING SWAP	DT	0	0	-	0	-
DIESEL 10P BRG FOB RDM VS	7X	0	100	-100.0%	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	2,920	2,951	-1.1%	2,920	0.0%
DOMINION TRANSMISSION INC	PG	29,811	56,031	-46.8%	31,795	-6.2%
DUBAI CRUDE OIL BALMO	BI	50	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	10,780	10,920	-1.3%	12,220	-11.8%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	QX	265	2,375	-88.8%	255	3.9%
EAST/WEST FUEL OIL SPREAD	EW	65	145	-55.2%	115	-43.5%
EIA FLAT TAX ONHWAY DIESE	A5	2,779	4,124	-32.6%	3,088	-10.0%
ELEC ERCOT DLY OFF PK	R4	0	0	-	0	-
ELEC ERCOT DLY PEAK	I7	0	42	-100.0%	0	-
ELEC ERCOT DLY PEAK	N1	0	0	-	0	-
ELEC ERCOT DLY PEAK	R1	0	0	-	0	-
ELEC ERCOT OFF PEAK	O1	0	0	-	0	-
ELEC FINSETTLED	47	1,634	2,804	-41.7%	1,739	-6.0%
ELEC FINSETTLED	49	0	105	-100.0%	0	-
ELEC MISO PEAK	4L	3,825	320	1,095.3%	3,825	0.0%
ELEC MISO PEAK	55	80	1,100	-92.7%	164	-51.2%
ELEC NYISO OFF-PEAK	4M	70,200	2,040	3,341.2%	70,200	0.0%
ELEC NYISO OFF-PEAK	58	1,696	20,416	-91.7%	3,236	-47.6%
ELECTRICITY ERCOT PEAK	ERE	0	0	-	0	-
ELECTRICITY OFF PEAK	46	30,184	51,544	-41.4%	32,109	-6.0%
ELECTRICITY OFF PEAK	4P	0	0	-	0	-
ELECTRICITY OFF PEAK	50	0	2,040	-100.0%	0	-
ELEC WEST POWER OFF-PEAK	MDA	0	0	-	0	-
ELEC WEST POWER PEAK	MDC	0	5,390	-100.0%	0	-
EL PASO PERMIAN INDEX SWA	IL	0	0	-	0	-
EMMISSIONS	CPL	0	0	-	0	-
ERCOT DAILY 5MW PEAK	ERW	0	0	-	0	-
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	3,880	0	-	3,880	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	8,400	720	1,066.7%	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	155,520	0	-	100,400	54.9%
ERCOT NORTH ZMCPE 5MW PEAK	I5	5,980	0	-	5,980	0.0%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	5,988	4,468	34.0%	6,396	-6.4%
EU LOW SULPHUR GASOIL CRACK	LSC	0	0	-	0	-
EURO 1% FUEL OIL NEW BALM	KX	0	6	-100.0%	0	-
EURO 3.5% FUEL OIL RDAM B	KR	171	1,059	-83.9%	740	-76.9%
EURO 3.5% FUEL OIL SPREAD	FK	379	3,180	-88.1%	543	-30.2%
EURO-DENOMINATED PETRO PROD	IBE	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	NCP	0	159	-100.0%	0	-
EURO GASOIL 10 CAL SWAP	GT	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	245	299	-18.1%	275	-10.9%
EUROPE 1% FUEL OIL NWE CA	UF	53	328	-83.8%	29	82.8%
EUROPE 1% FUEL OIL RDAM C	UH	0	25	-100.0%	0	-

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Energy Futures						
EUROPE 3.5% FUEL OIL MED	UI	571	957	-40.3%	615	-7.2%
EUROPE 3.5% FUEL OIL RDAM	UV	10,475	12,158	-13.8%	10,660	-1.7%
EUROPEAN GASOIL (ICE)	7F	858	3,745	-77.1%	787	9.0%
EUROPEAN NAPHTHA BALMO	KZ	267	245	9.0%	107	149.5%
EUROPEAN NAPHTHA CRACK SPR	EN	11,481	10,993	4.4%	12,484	-8.0%
EUROPE DATED BRENT SWAP	UB	662	395	67.6%	962	-31.2%
EUROPE JET KERO NWE CALSW	UJ	54	3	1,700.0%	54	0.0%
EUROPE NAPHTHA CALSWAP	UN	2,732	1,945	40.5%	2,482	10.1%
EURO PROPANE CIF ARA SWA	PS	1,358	1,765	-23.1%	1,520	-10.7%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	-	0	-
FLORIDA GAS ZONE3 BASIS S	FP	0	2,700	-100.0%	0	-
FREIGHT MARKETS	FLP	599	1,153	-48.0%	744	-19.5%
FREIGHT MARKETS	FRS	50	0	-	0	-
FUEL OIL CRACK VS ICE	FO	14,030	18,596	-24.6%	14,264	-1.6%
FUEL OIL NWE CRACK VS ICE	FI	0	19	-100.0%	0	-
FUEL OIL (PLATS) CAR CM	1W	3	403	-99.3%	26	-88.5%
FUEL OIL (PLATS) CAR CN	1X	0	12	-100.0%	0	-
FUELOIL SWAP:CARGOES VS.B	FS	831	1,063	-21.8%	957	-13.2%
GAS EURO-BOB OXY NWE BARGES	7H	3,663	5,924	-38.2%	3,514	4.2%
GAS EURO-BOB OXY NWE BARGES CRK	7K	27,644	27,506	0.5%	27,777	-0.5%
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	10	-100.0%	0	-
GASOIL 0.1CIF MED VS ICE	Z5	5	80	-93.8%	10	-50.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	15	-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	204	47	334.0%	144	41.7%
GASOIL 0.1 ROTTERDAM BARG	VL	60	10	500.0%	55	9.1%
GASOIL 10P CRG CIF NW VS	3V	0	0	-	0	-
GASOIL 10PPM CARGOES CIF	TY	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	TP	657	652	0.8%	702	-6.4%
GASOIL BULLET SWAP	BG	0	50	-100.0%	130	-100.0%
GASOIL CALENDAR SWAP	GX	8	96	-91.7%	17	-52.9%
GASOIL CRACK SPREAD CALEN	GZ	19,382	17,784	9.0%	20,125	-3.7%
GASOIL MINI CALENDAR SWAP	QA	514	432	19.0%	461	11.5%
GASOLINE UP-DOWN BALMO SW	1K	0	0	-	0	-
GC ULSD VS GC JET SPREAD	VV	0	0	-	0	-
GROUP THREE ULSD (PLATTS)	A7	25	300	-91.7%	50	-50.0%
GRP THREE ULSD(PLT)VS HEA	A6	12,997	5,273	146.5%	13,948	-6.8%
GRP THREE UNL GS (PLT) VS	A8	4,435	4,392	1.0%	4,865	-8.8%
GULF COAST 3% FUEL OIL BA	VZ	4,130	949	335.2%	1,058	290.4%
GULF COAST GASOLINE CLNDR	GS	0	0	-	0	-
GULF COAST JET FUEL CLNDR	GE	911	1,342	-32.1%	746	22.1%
GULF COAST JET VS NYM 2 H	ME	27,091	36,123	-25.0%	27,030	0.2%
GULF COAST NO.6 FUEL OIL	MF	46,449	54,187	-14.3%	43,507	6.8%
GULF COAST NO.6 FUEL OIL	MG	6,442	7,842	-17.9%	5,882	9.5%
GULF COAST ULSD CALENDAR	LY	2,091	3,859	-45.8%	2,330	-10.3%
GULF COAST ULSD CRACK SPR	GY	760	3,355	-77.3%	920	-17.4%
HEATING OIL BALMO CLNDR S	1G	161	0	-	0	-
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%

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Energy Futures					
HEATING OIL VS ICE GASOIL	0	0	-	0	-
HENRY HUB BASIS SWAP	3,172	42,762	-92.6%	5,559	-42.9%
HENRY HUB FINANCIAL LAST	38	0	-	4	850.0%
HENRY HUB FINANCIAL LAST	36	0	-	0	-
HENRY HUB INDEX SWAP FUTU	1,929	20,251	-90.5%	2,139	-9.8%
HENRY HUB SWAP	1,232,637	1,360,539	-9.4%	1,194,164	3.2%
HENRY HUB SWING FUTURE	0	0	-	0	-
HOUSTON SHIP CHANNEL BASI	18,651	24,441	-23.7%	19,485	-4.3%
HOUSTON SHIP CHANNEL INDE	0	0	-	0	-
HUSTN SHIP CHNL PIPE SWP	0	3,425	-100.0%	0	-
ICE BRENT DUBAI SWAP	45,877	22,156	107.1%	47,089	-2.6%
ICE GASOIL BALMO SWAP	0	0	-	0	-
IN DELIVERY MONTH EUA	3,698	10,748	-65.6%	10,598	-65.1%
INDIANA MISO	27,496	14,952	83.9%	44,608	-38.4%
INDIANA MISO	0	0	-	0	-
INDIANA MISO	10,416	8,352	24.7%	7,440	40.0%
INDIANA MISO	0	4,080	-100.0%	0	-
INDIANA MISO	1,432	1,479	-3.2%	1,832	-21.8%
INDIANA MISO	0	0	-	0	-
INDIANA MISO	539	357	51.0%	399	35.1%
INDIANA MISO	0	0	-	0	-
INDONESIAN COAL	0	5	-100.0%	0	-
ISO NEW ENGLAND OFF-PEAK	14	206	-93.2%	28	-50.0%
ISO NEW ENGLAND PK LMP	17	259	-93.4%	34	-50.0%
JAPAN C&F NAPHTHA CRACK S	2,105	875	140.6%	1,838	14.5%
JAPAN C&F NAPHTHA SWAP	2,032	1,896	7.2%	2,002	1.5%
JAPAN NAPHTHA BALMO SWAP	8	66	-87.9%	0	-
JET AV FUEL (P) CAR FM ICE GAS SWAP	29	48	-39.6%	34	-14.7%
JET BARGES VS ICE GASOIL	0	0	-	0	-
JET CIF NWE VS ICE	542	357	51.8%	587	-7.7%
JET FUEL BRG FOB RDM VS I	0	0	-	0	-
JET FUEL CRG CIF NEW VS I	0	0	-	2	-100.0%
JET FUEL UP-DOWN BALMO CL	3,565	6,025	-40.8%	3,505	1.7%
LA CARB DIESEL (OPIS)	0	91	-100.0%	0	-
LA CARB DIESEL (OPIS) SWA	250	641	-61.0%	225	11.1%
LA CARBOB GASOLINE(OPIS)S	625	0	-	225	177.8%
LA JET FUEL VS NYM NO 2 H	0	75	-100.0%	0	-
LA JET (OPIS) SWAP	1,750	1,080	62.0%	1,785	-2.0%
LLS (ARGUS) CALENDAR SWAP	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	23,148	25,918	-10.7%	19,113	21.1%
MARS (ARGUS) VS WTI SWAP	8,289	14,029	-40.9%	9,910	-16.4%
MARS (ARGUS) VS WTI TRD M	26,245	17,786	47.6%	22,190	18.3%
MARS BLEND CRUDE OIL	1,520	2,800	-45.7%	1,720	-11.6%
MCCLOSKEY ARA ARGS COAL	48,653	76,901	-36.7%	44,875	8.4%
MCCLOSKEY RCH BAY COAL	5,743	18,578	-69.1%	4,846	18.5%
MGF FUT	38	0	-	54	-29.6%
MGN1 SWAP FUT	291	449	-35.2%	294	-1.0%
MICHCON NG INDEX SWAP	0	0	-	0	-
MICHIGAN BASIS	5,355	14,181	-62.2%	5,851	-8.5%
MICHIGAN MISO	51,840	159,216	-67.4%	69,120	-25.0%
MICHIGAN MISO	2,885	11,132	-74.1%	4,040	-28.6%
MINI GAS EUROBOB OXY NWE ARGS BALMO	668	661	1.1%	175	281.7%
MINI RBOB V. EBOBARG NWE BRGS BALMO	120	50	140.0%	90	33.3%



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Energy Futures						
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	2,139	4,170	-48.7%	1,822	17.4%
MJB FUT	MJB	0	0	-	0	-
MJC FUT	MJC	650	262	148.1%	680	-4.4%
MNC FUT	MNC	3,448	4,926	-30.0%	3,725	-7.4%
MONT BELVIEU ETHANE 5 DECIMAL	C0	57,105	104,548	-45.4%	64,127	-11.0%
MONT BELVIEU ETHANE OPIS BALMO	8C	335	375	-10.7%	180	86.1%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	114,064	137,635	-17.1%	111,680	2.1%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,292	2,165	-40.3%	1,103	17.1%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	17,416	17,270	0.8%	14,028	24.2%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	323	200	61.5%	450	-28.2%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	41,503	38,590	7.5%	44,713	-7.2%
MONT BELVIEU NORMAL BUTANE BALMO	8J	613	582	5.3%	529	15.9%
NAT GAS BASIS SWAP	SGW	0	0	-	0	-
NAT GAS BASIS SWAP	TZ6	5,835	13,540	-56.9%	6,021	-3.1%
NATURAL GAS	HBI	0	0	-	0	-
NATURAL GAS	XIC	12	0	-	16	-25.0%
NATURAL GAS	XSC	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	CFS	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	0	1,620	-100.0%	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	Z5P	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	0	0	-	0	-
NATURAL GAS INDEX	TZI	0	2,308	-100.0%	0	-
NATURAL GAS PEN SWP	NP	183,405	279,942	-34.5%	196,520	-6.7%
NEPOOL CNCTCT 5MW D AH O	P3	424	6,736	-93.7%	809	-47.6%
NEPOOL CONECTIC 5MW D AH	P2	20	359	-94.4%	41	-51.2%
NEPOOL INTR HUB 5MW D AH	H2	502,264	566,992	-11.4%	518,728	-3.2%
NEPOOL INTR HUB 5MW D AH	U6	35,588	39,081	-8.9%	36,886	-3.5%
NEPOOL NE MASS 5MW D AH O	P8	14,040	0	-	14,040	0.0%
NEPOOL NE MASS 5MW D AH P	P7	765	0	-	765	0.0%
NEPOOL NEW HAMP 5MW D AH	U2	0	0	-	0	-
NEPOOL NEW HAMP 5MW D AH	U3	0	0	-	0	-
NEPOOL RHD ISLD 5MW D AH	U4	100	2,327	-95.7%	205	-51.2%
NEPOOL RHODE IL 5MW D AH	U5	2,120	40,401	-94.8%	4,045	-47.6%
NEPOOL SE MASS 5MW D AH O	P5	0	0	-	0	-
NEPOOL SE MASS 5MW D AH P	P4	0	0	-	0	-
NEPOOL W CNT MASS 5MW D AH	L9	848	11,024	-92.3%	1,618	-47.6%
NEPOOL W CNTR M 5MW D AH	R6	40	1,138	-96.5%	82	-51.2%
NEW ENGLAND HUB PEAK DAIL	CE	1,694	1,356	24.9%	1,116	51.8%
NEW YORK ETHANOL SWAP	EZ	2,090	2,225	-6.1%	1,305	60.2%
NEW YORK HUB ZONE G PEAK	GN	1,881	3,592	-47.6%	837	124.7%
NEW YORK HUB ZONE J PEAK	JN	1,221	1,177	3.7%	341	258.1%
NGPL MID-CONTINENT	NL	22,143	33,621	-34.1%	24,362	-9.1%
NGPL MIDCONTINENT INDEX	IW	0	0	-	0	-
NGPL MIDCONTINENT SWING S	PX	0	0	-	0	-
NGPL TEX/OK	PD	21,876	40,686	-46.2%	23,410	-6.6%
NGPL TEXOK INDEX	OI	0	0	-	0	-
N ILLINOIS HUB DAILY	UD	240	198	21.2%	220	9.1%
N ILLINOIS HUB MTHLY	UM	20	260	-92.3%	40	-50.0%
NO 2 UP-DOWN SPREAD CALEN	UT	100	1,007	-90.1%	0	-
NORTHEN NATURAL GAS DEMAR	PE	1,896	3,144	-39.7%	2,082	-8.9%

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Energy Futures						
NORTHERN NATURAL GAS VENTU	PF	1,494	5,584	-73.2%	1,692	-11.7%
NORTHERN ILLINOIS OFF-PEA	UO	0	80	-100.0%	0	-
NORTHWEST ROCKIES BASIS S	NR	38,605	74,433	-48.1%	41,457	-6.9%
N ROCKIES PIPE SWAP	XR	181	546	-66.8%	212	-14.6%
NY1% VS GC SPREAD SWAP	VR	5,218	7,062	-26.1%	4,723	10.5%
NY 2.2% FUEL OIL (PLATTS	Y3	0	300	-100.0%	0	-
NY 3.0% FUEL OIL (PLATTS	H1	150	575	-73.9%	0	-
NY HARBOR 1% FUEL OIL BAL	VK	0	50	-100.0%	0	-
NY HARBOR HEAT OIL SWP	MP	6,837	14,333	-52.3%	7,661	-10.8%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	390	2,327	-83.2%	600	-35.0%
NY HARBOR RESIDUAL FUEL 1	MM	4,048	5,565	-27.3%	3,348	20.9%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	4,888	11,592	-57.8%	6,713	-27.2%
NY H OIL PLATTS VS NYMEX	YH	0	0	-	0	-
NYISO A	KA	0	420	-100.0%	0	-
NYISO A OFF-PEAK	KB	0	140	-100.0%	0	-
NYISO CAPACITY	LHV	397	286	38.8%	410	-3.2%
NYISO CAPACITY	NNC	1,116	1,556	-28.3%	1,266	-11.8%
NYISO CAPACITY	NRS	2,142	1,832	16.9%	2,207	-2.9%
NYISO G	KG	0	42	-100.0%	0	-
NYISO G OFF-PEAK	KH	0	20	-100.0%	0	-
NYISO J	KJ	100	1,907	-94.8%	205	-51.2%
NYISO J OFF-PEAK	KK	30	402	-92.5%	60	-50.0%
NYISO ZONE A 5MW D AH O P	K4	69,392	170,760	-59.4%	74,880	-7.3%
NYISO ZONE A 5MW D AH PK	K3	7,354	6,915	6.3%	7,650	-3.9%
NYISO ZONE C 5MW D AH O P	A3	0	9,384	-100.0%	0	-
NYISO ZONE C 5MW D AH PK	Q5	0	483	-100.0%	0	-
NYISO ZONE G 5MW D AH O P	D2	529,585	277,288	91.0%	550,425	-3.8%
NYISO ZONE G 5MW D AH PK	T3	23,750	19,145	24.1%	24,826	-4.3%
NYISO ZONE J 5MW D AH O P	D4	261,616	182,896	43.0%	271,416	-3.6%
NYISO ZONE J 5MW D AH PK	D3	18,191	11,601	56.8%	18,016	1.0%
NY JET FUEL (PLATTS) HEAT OIL SWAP	1U	0	0	-	0	-
NYMEX ALUMINUM FUTURES	AN	726	926	-21.6%	620	17.1%
NYMEX ULSD VS NYMEX HO	UY	0	30	-100.0%	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	608	5,284	-88.5%	680	-10.6%
ONEOK OKLAHOMA NG BASIS	8X	730	1,907	-61.7%	761	-4.1%
ONTARIO POWER SWAPS	OFD	1,680	3,312	-49.3%	1,200	40.0%
ONTARIO POWER SWAPS	OFM	0	46,960	-100.0%	4,240	-100.0%
ONTARIO POWER SWAPS	OPD	35	120	-70.8%	30	16.7%
ONTARIO POWER SWAPS	OPM	0	1,375	-100.0%	100	-100.0%
PANHANDLE BASIS SWAP FUTU	PH	13,659	39,968	-65.8%	15,051	-9.2%
PANHANDLE INDEX SWAP FUTU	IV	0	0	-	0	-
PANHANDLE PIPE SWAP	XH	2,796	0	-	2,868	-2.5%
PERMIAN BASIS SWAP	PM	9,916	21,332	-53.5%	10,226	-3.0%
PETROCHEMICALS	22	209	38	450.0%	127	64.6%
PETROCHEMICALS	32	66	147	-55.1%	132	-50.0%
PETROCHEMICALS	8I	4,593	2,149	113.7%	4,515	1.7%
PETROCHEMICALS	91	1,112	343	224.2%	1,077	3.2%
PETROCHEMICALS	HPE	0	4	-100.0%	0	-
PETROCHEMICALS	JKM	900	0	-	555	62.2%
PETROCHEMICALS	LPE	0	0	-	0	-
PETROCHEMICALS	MAC	0	0	-	0	-
PETROCHEMICALS	MAE	160	40	300.0%	190	-15.8%

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Energy Futures						
PETROCHEMICALS	MAS	40	30	33.3%	10	300.0%
PETROCHEMICALS	MBE	285	2,560	-88.9%	500	-43.0%
PETROCHEMICALS	MNB	3,886	3,046	27.6%	4,463	-12.9%
PETROCHEMICALS	MPS	110	0	-	50	120.0%
PETRO CRCKS & SPRDS ASIA	JNC	50	0	-	100	-50.0%
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STS	1,315	170	673.5%	668	96.9%
PETRO CRCKS & SPRDS NA	CRB	1,098	524	109.5%	951	15.5%
PETRO CRCKS & SPRDS NA	EXR	3,324	2,825	17.7%	3,275	1.5%
PETRO CRCKS & SPRDS NA	FOC	1,115	2,290	-51.3%	880	26.7%
PETRO CRCKS & SPRDS NA	GBB	650	2,095	-69.0%	1,150	-43.5%
PETRO CRCKS & SPRDS NA	GCC	50	1,000	-95.0%	150	-66.7%
PETRO CRCKS & SPRDS NA	GCI	2,372	4,346	-45.4%	2,733	-13.2%
PETRO CRCKS & SPRDS NA	GCM	0	22	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GCU	20,693	24,724	-16.3%	19,519	6.0%
PETRO CRCKS & SPRDS NA	GFC	20	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	10,438	13,515	-22.8%	13,500	-22.7%
PETRO CRCKS & SPRDS NA	KSD	0	0	-	0	-
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NYF	375	325	15.4%	375	0.0%
PETRO CRCKS & SPRDS NA	NYH	0	450	-100.0%	0	-
PETRO CRCKS & SPRDS NA	RBB	17,032	21,162	-19.5%	18,920	-10.0%
PETRO CRCKS & SPRDS NA	RVG	14,169	19,130	-25.9%	15,840	-10.5%
PETRO CRCKS & SPRDS NA	SF3	9	30	-70.0%	9	0.0%
PETRO CRK&SPRD EURO	1NB	1,987	3,556	-44.1%	1,830	8.6%
PETRO CRK&SPRD EURO	1ND	275	0	-	350	-21.4%
PETRO CRK&SPRD EURO	43	123	222	-44.6%	105	17.1%
PETRO CRK&SPRD EURO	BFR	0	5	-100.0%	0	-
PETRO CRK&SPRD EURO	BOB	3,654	5,187	-29.6%	3,889	-6.0%
PETRO CRK&SPRD EURO	EGB	0	0	-	0	-
PETRO CRK&SPRD EURO	EGN	0	0	-	0	-
PETRO CRK&SPRD EURO	EOB	18	31	-41.9%	18	0.0%
PETRO CRK&SPRD EURO	EPN	1,272	645	97.2%	1,158	9.8%
PETRO CRK&SPRD EURO	EVC	7,272	6,831	6.5%	6,838	6.3%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-
PETRO CRK&SPRD EURO	GCB	0	0	-	0	-
PETRO CRK&SPRD EURO	GOC	28	132	-78.8%	41	-31.7%
PETRO CRK&SPRD EURO	LSU	0	0	-	0	-
PETRO CRK&SPRD EURO	MGB	80	31	158.1%	80	0.0%
PETRO CRK&SPRD EURO	MUD	177	316	-44.0%	222	-20.3%
PETRO CRK&SPRD EURO	NBB	5	23	-78.3%	0	-
PETRO CRK&SPRD EURO	NOB	1,924	1,271	51.4%	2,189	-12.1%
PETRO CRK&SPRD EURO	SFB	0	0	-	0	-
PETRO CRK&SPRD EURO	SFC	0	0	-	0	-
PETROLEUM PRODUCTS	D44	0	0	-	0	-
PETROLEUM PRODUCTS	D45	0	0	-	0	-
PETROLEUM PRODUCTS	D46	0	0	-	0	-
PETROLEUM PRODUCTS	D64	0	0	-	0	-
PETROLEUM PRODUCTS	D65	0	0	-	0	-
PETROLEUM PRODUCTS	EWB	0	15	-100.0%	0	-

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Energy Futures						
PETROLEUM PRODUCTS	EWG	7,501	8,218	-8.7%	7,210	4.0%
PETROLEUM PRODUCTS	MBS	0	0	-	0	-
PETROLEUM PRODUCTS	MGS	0	0	-	0	-
PETROLEUM PRODUCTS	MHE	0	0	-	0	-
PETROLEUM PRODUCTS	MME	30	0	-	30	0.0%
PETROLEUM PRODUCTS	MPE	18	0	-	0	-
PETROLEUM PRODUCTS	VU	171	336	-49.1%	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	35	-100.0%	20	-100.0%
PETROLEUM PRODUCTS ASIA	MJN	1,794	2,092	-14.2%	1,796	-0.1%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	-
PETRO OUTFRIGHT EURO	0A	0	0	-	0	-
PETRO OUTFRIGHT EURO	0B	20	165	-87.9%	50	-60.0%
PETRO OUTFRIGHT EURO	0C	0	95	-100.0%	20	-100.0%
PETRO OUTFRIGHT EURO	0D	4,653	9,764	-52.3%	5,030	-7.5%
PETRO OUTFRIGHT EURO	0E	33	658	-95.0%	8	312.5%
PETRO OUTFRIGHT EURO	0F	694	1,817	-61.8%	906	-23.4%
PETRO OUTFRIGHT EURO	1T	54	0	-	54	0.0%
PETRO OUTFRIGHT EURO	33	12	193	-93.8%	24	-50.0%
PETRO OUTFRIGHT EURO	5L	0	238	-100.0%	0	-
PETRO OUTFRIGHT EURO	63	82	205	-60.0%	10	720.0%
PETRO OUTFRIGHT EURO	6L	0	0	-	0	-
PETRO OUTFRIGHT EURO	7I	50	539	-90.7%	0	-
PETRO OUTFRIGHT EURO	7P	0	0	-	0	-
PETRO OUTFRIGHT EURO	7R	152	280	-45.7%	120	26.7%
PETRO OUTFRIGHT EURO	88	0	5	-100.0%	15	-100.0%
PETRO OUTFRIGHT EURO	CBB	0	0	-	10	-100.0%
PETRO OUTFRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTFRIGHT EURO	CPB	507	50	914.0%	5	10,040.0%
PETRO OUTFRIGHT EURO	EFF	13	63	-79.4%	0	-
PETRO OUTFRIGHT EURO	EFM	0	238	-100.0%	0	-
PETRO OUTFRIGHT EURO	ENS	250	209	19.6%	20	1,150.0%
PETRO OUTFRIGHT EURO	ESB	0	0	-	0	-
PETRO OUTFRIGHT EURO	EWN	1,097	453	142.2%	1,022	7.3%
PETRO OUTFRIGHT EURO	FBD	0	20	-100.0%	0	-
PETRO OUTFRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTFRIGHT EURO	MBN	1,978	2,833	-30.2%	2,302	-14.1%
PETRO OUTFRIGHT EURO	SMU	0	0	-	0	-
PETRO OUTFRIGHT EURO	T0	197	760	-74.1%	250	-21.2%
PETRO OUTFRIGHT EURO	ULB	0	0	-	0	-
PETRO OUTFRIGHT EURO	V0	25	355	-93.0%	50	-50.0%
PETRO OUTFRIGHT EURO	W0	0	0	-	0	-
PETRO OUTFRIGHT EURO	X0	0	0	-	0	-
PETRO OUTFRIGHT EURO	Y0	0	0	-	0	-
PETRO OUTFRIGHT NA	FCB	0	478	-100.0%	0	-
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	-
PETRO OUTFRIGHT NA	JE	370	44	740.9%	380	-2.6%
PETRO OUTFRIGHT NA	JET	1,359	8,053	-83.1%	1,499	-9.3%
PETRO OUTFRIGHT NA	JTB	125	0	-	375	-66.7%
PETRO OUTFRIGHT NA	MBL	84	198	-57.6%	105	-20.0%
PETRO OUTFRIGHT NA	MEN	100	564	-82.3%	591	-83.1%

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Energy Futures						
PETRO OUTRIGHT NA	MEO	4,091	8,358	-51.1%	3,997	2.4%
PETRO OUTRIGHT NA	MFD	44	55	-20.0%	0	-
PETRO OUTRIGHT NA	MMF	90	374	-75.9%	107	-15.9%
PETRO OUTRIGHT NA	NYT	0	0	-	0	-
PETRO OUTRIGHT NA	XER	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	324,547	913,860	-64.5%	375,851	-13.7%
PJM AD HUB 5MW REAL TIME	Z9	21,203	40,790	-48.0%	22,723	-6.7%
PJM AECO DA OFF-PEAK	X1	0	21,015	-100.0%	0	-
PJM AECO DA PEAK	Y1	0	1,143	-100.0%	0	-
PJM APS ZONE DA OFF-PEAK	W4	0	1,224	-100.0%	0	-
PJM APS ZONE DA PEAK	S4	0	63	-100.0%	0	-
PJM ATSI ELEC	MOD	27,590	39,365	-29.9%	35,290	-21.8%
PJM ATSI ELEC	MPD	1,470	2,115	-30.5%	1,890	-22.2%
PJM BGE DA OFF-PEAK	R3	21,035	35,095	-40.1%	22,960	-8.4%
PJM BGE DA PEAK	E3	1,145	1,912	-40.1%	1,250	-8.4%
PJM COMED 5MW D AH O PK	D9	25,520	134,515	-81.0%	27,445	-7.0%
PJM COMED 5MW D AH PK	D8	1,375	7,310	-81.2%	1,480	-7.1%
PJM DAILY	JD	946	754	25.5%	662	42.9%
PJM DAYTON DA OFF-PEAK	R7	124,171	114,960	8.0%	132,403	-6.2%
PJM DAYTON DA PEAK	D7	10,350	24,183	-57.2%	10,746	-3.7%
PJM DUQUESNE 5MW D AH PK	D5	0	0	-	0	-
PJM DUQUS 5MW D AH O PK	D6	0	0	-	0	-
PJM JCPL DA OFF-PEAK	F2	0	23,350	-100.0%	0	-
PJM JCPL DA PEAK	J2	0	1,270	-100.0%	0	-
PJM NI HUB 5MW REAL TIME	B3	31,385	61,025	-48.6%	33,785	-7.1%
PJM NI HUB 5MW REAL TIME	B6	689,290	1,176,715	-41.4%	757,978	-9.1%
PJM NILL DA OFF-PEAK	L3	494,366	1,066,671	-53.7%	546,894	-9.6%
PJM NILL DA PEAK	N3	27,373	44,984	-39.1%	29,771	-8.1%
PJM OFF-PEAK LMP SWAP FUT	JP	538	1,272	-57.7%	580	-7.2%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	-	0	-
PJM PEPKO DA OFF-PEAK	Q8	0	0	-	0	-
PJM PPL DA OFF-PEAK	F5	0	5,304	-100.0%	0	-
PJM PPL DA PEAK	L5	0	273	-100.0%	0	-
PJM PSEG DA OFF-PEAK	W6	70,100	128,675	-45.5%	77,800	-9.9%
PJM PSEG DA PEAK	L6	2,540	5,100	-50.2%	2,960	-14.2%
PJM WES HUB PEAK LMP 50 M	4S	0	0	-	0	-
PJM WESTH DA OFF-PEAK	E4	374,567	1,102,537	-66.0%	396,127	-5.4%
PJM WESTHDA PEAK	J4	21,150	62,552	-66.2%	22,360	-5.4%
PJM WESTH RT OFF-PEAK	N9	2,024,410	2,410,018	-16.0%	2,164,794	-6.5%
PJM WESTH RT PEAK	L1	148,383	164,154	-9.6%	116,634	27.2%
PLASTICS	PGP	1,112	1,634	-31.9%	1,205	-7.7%
PREMIUM UNLD 10P FOB MED	3G	343	196	75.0%	348	-1.4%
PREMIUM UNLEAD 10PPM FOB	8G	0	23	-100.0%	10	-100.0%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	5	-100.0%	0	-
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	325	150	116.7%	0	-
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	28,591	38,127	-25.0%	26,984	6.0%
RBOB CALENDAR SWAP	RL	13,671	13,675	0.0%	14,927	-8.4%
RBOB CRACK SPREAD	RM	4,895	3,889	25.9%	6,218	-21.3%
RBOB CRACK SPREAD BALMO S	1E	0	60	-100.0%	0	-
RBOB GASOLINE BALMO CLNDR	1D	1,746	2,312	-24.5%	815	114.2%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB (PLATTS) CAL SWAP	RY	0	0	-	0	-

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Energy Futures						
RBOB SPREAD (PLATTS) SWAP	RI	2	38	-94.7%	4	-50.0%
RBOB UP-DOWN CALENDAR SWA	RV	0	0	-	0	-
RBOB VS HEATING OIL SWAP	RH	2,694	4,018	-33.0%	2,608	3.3%
ROCKIES KERN OPAL - NW IN	IR	0	0	-	0	-
SAN JUAN BASIS SWAP	NJ	20,278	39,271	-48.4%	21,084	-3.8%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-
SINGAPORE 180CST BALMO	BS	100	35	185.7%	100	0.0%
SINGAPORE 380CST BALMO	BT	165	174	-5.2%	373	-55.8%
SINGAPORE 380CST FUEL OIL	SE	10,578	14,187	-25.4%	10,630	-0.5%
SINGAPORE FUEL 180CST CAL	UA	1,227	2,333	-47.4%	1,253	-2.1%
SINGAPORE FUEL OIL SPREAD	SD	710	1,472	-51.8%	1,038	-31.6%
SINGAPORE GASOIL	MTB	39	379	-89.7%	30	30.0%
SINGAPORE GASOIL	MTS	8,440	6,677	26.4%	7,003	20.5%
SINGAPORE GASOIL	STL	0	0	-	0	-
SINGAPORE GASOIL	STZ	273	0	-	100	173.0%
SINGAPORE GASOIL CALENDAR	GHS	60	0	-	0	-
SINGAPORE GASOIL CALENDAR	MGO	130	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	378	48	687.5%	726	-47.9%
SINGAPORE GASOIL CALENDAR	SGG	168	0	-	0	-
SINGAPORE GASOIL SWAP	SG	9,104	22,499	-59.5%	11,749	-22.5%
SINGAPORE GASOIL VS ICE	GA	2,206	18,968	-88.4%	4,014	-45.0%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	1,195	6,110	-80.4%	1,615	-26.0%
SINGAPORE JET KEROSENE SW	KS	1,783	2,013	-11.4%	2,333	-23.6%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	545	375	45.3%	531	2.6%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	13,062	20,694	-36.9%	13,446	-2.9%
SINGAPORE NAPHTHA BALMO	KU	0	0	-	0	-
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-
SING FUEL	MSD	0	5	-100.0%	50	-100.0%
SOCAL BASIS SWAP	NS	0	0	-	0	-
SOCAL PIPE SWAP	XN	0	2,280	-100.0%	0	-
SONAT BASIS SWAP FUTURE	SZ	0	916	-100.0%	62	-100.0%
SOUTHERN NAT LA NAT GAS	M8	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	8Z	120	554	-78.3%	136	-11.8%
Sumas Basis Swap	NK	5,836	8,789	-33.6%	6,459	-9.6%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	761	-100.0%	62	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	200	0	-	80	150.0%
TC5 RAS TANURA TO YOKOHAM	TH	75	0	-	0	-
TCO BASIS SWAP	TC	11,259	26,585	-57.6%	13,391	-15.9%
TCO NG INDEX SWAP	Q1	0	248	-100.0%	0	-
TD3 MEG TO JAPAN 250K MT	TL	390	0	-	30	1,200.0%
TENN 800 LEG NAT GAS INDE	L4	0	0	-	0	-
TENNESSEE 500 LEG BASIS S	NM	0	936	-100.0%	0	-
TENNESSEE 800 LEG NG BASI	6Z	0	608	-100.0%	0	-
TENNESSEE ZONE 0 BASIS SW	NQ	360	1,752	-79.5%	484	-25.6%
Tetco ELA Basis	TE	0	0	-	0	-
TETCO M-3 INDEX	IX	0	6,364	-100.0%	0	-
Tetco STX Basis	TX	730	1,915	-61.9%	823	-11.3%
TEXAS EASTERN ZONE M-3 BA	NX	6,223	21,530	-71.1%	6,626	-6.1%
TEXAS GAS ZONE1 NG BASIS	9F	5,760	13,948	-58.7%	6,448	-10.7%
TRANSCO ZONE 1 NG BASIS	8E	0	0	-	0	-
Transco Zone 3 Basis	CZ	3,465	7,300	-52.5%	3,868	-10.4%

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Energy Futures						
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	TR	9,415	22,821	-58.7%	10,278	-8.4%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	-	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	2,498	7,342	-66.0%	2,591	-3.6%
TRANSCO ZONE 6 INDEX	IT	0	1,824	-100.0%	0	-
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	0	-	0	-
UCM FUT	UCM	73	50	46.0%	86	-15.1%
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	32	36	-11.1%	49	-34.7%
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	8,950	8,800	1.7%	6,671	34.2%
UP DOWN GC ULSD VS NMX HO	LT	38,866	51,984	-25.2%	49,279	-21.1%
USGC UNL 87 CRACK SPREAD	RU	0	0	-	0	-
VENTURA NAT GAS PLATTS FIXED PRICE	DVA	0	0	-	0	-
WAHA BASIS	NW	7,582	12,360	-38.7%	7,417	2.2%
WAHA INDEX SWAP FUTURE	IY	0	968	-100.0%	0	-
WESTERN RAIL DELIVERY PRB	QP	470	1,700	-72.4%	255	84.3%
WTI-BRENT BULLET SWAP	BY	654	500	30.8%	404	61.9%
WTI-BRENT CALENDAR SWAP	BK	102,252	49,622	106.1%	82,698	23.6%
WTI CALENDAR	CS	157,168	125,487	25.2%	149,325	5.3%
WTS (ARGUS) VS WTI SWAP	FF	58,692	48,137	21.9%	48,914	20.0%
WTS (ARGUS) VS WTI TRD MT	FH	4,433	2,435	82.1%	4,851	-8.6%
Energy Options						
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	-	430	-100.0%
1 MO GASOIL CAL SWAP SPR	GXA	0	0	-	0	-
APPALACHIAN COAL	6K	0	0	-	0	-
BRENT CALENDAR SWAP	BA	3,579	22,776	-84.3%	4,923	-27.3%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-
BRENT OIL LAST DAY	BE	14,126	2,670	429.1%	13,126	7.6%
BRENT OIL LAST DAY	BZO	114,798	60,893	88.5%	101,693	12.9%
BRENT OIL LAST DAY	OS	1,164	20,428	-94.3%	1,144	1.7%
COAL API2 INDEX	CLA	260	1,320	-80.3%	5,819	-95.5%
COAL API2 INDEX	CQA	150	2,100	-92.9%	165	-9.1%
COAL API2 INDEX	MTC	0	25	-100.0%	0	-
COAL API4 INDEX	RLA	0	0	-	0	-
COAL API4 INDEX	RQA	30	110	-72.7%	30	0.0%
COAL SWAP	CPF	30	0	-	40	-25.0%
COAL SWAP	RPF	385	810	-52.5%	520	-26.0%
CRUDE OIL 1MO	WA	377,664	676,972	-44.2%	398,667	-5.3%
CRUDE OIL APO	AO	441,149	302,491	45.8%	394,658	11.8%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-
CRUDE OIL OUTRIGHTS	AH	150	350	-57.1%	150	0.0%
CRUDE OIL OUTRIGHTS	DBP	0	210	-100.0%	0	-
CRUDE OIL OUTRIGHTS	WCI	7,370	0	-	8,070	-8.7%
CRUDE OIL PHY	CD	0	0	0.0%	0	-
CRUDE OIL PHY	LC	45,606	66,991	-31.9%	46,853	-2.7%
CRUDE OIL PHY	LO	2,509,416	2,457,680	2.1%	2,579,455	-2.7%
CRUDE OIL PHY	LO1	2,175	2,127	2.3%	6,079	-64.2%
CRUDE OIL PHY	LO2	368	355	3.7%	3,135	-88.3%
CRUDE OIL PHY	LO3	581	0	-	87	567.8%



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Energy Options					
CRUDE OIL PHY	LO4	0	0	752	-100.0%
CRUDE OIL PHY	LO5	0	0	0	-
DAILY CRUDE OIL	DNM	0	0	0	-
ELEC FINSETTLED	PML	0	0	0	-
ELEC MISO PEAK	9T	0	0	0	-
ELECTRICITY OFF PEAK	N9P	0	0	0	-
ETHANOL	CE1	0	100	0	-100.0%
ETHANOL	CE3	0	300	0	-100.0%
ETHANOL SWAP	CVR	14,067	18,359	14,079	-23.4%
ETHANOL SWAP	GVR	2,077	3,125	1,811	-33.5%
EURO-DENOMINATED PETRO PROD	EFB	0	0	0	-
EURO-DENOMINATED PETRO PROD	NWE	0	0	0	-
EUROPEAN JET KEROSENE NWE (PLATTS) AVG PRC	30	0	10	0	-100.0%
GASOIL CRACK SPREAD AVG PRICE OPTIONS	3U	0	0	0	-
GASOLINE	GCE	0	456	0	-100.0%
HEATING OIL CRACK OPTIONS	CH	0	0	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	0	0.0%
HEATING OIL PHY	LB	233	916	317	-74.6%
HEATING OIL PHY	OH	53,085	53,129	52,111	-0.1%
HENRY HUB FINANCIAL LAST	E7	6,141	11,960	6,333	-48.7%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0	0.0%
HUSTN SHIP CHNL PIPE SWP	PK	0	0	0	-
LLS CRUDE OIL	WJO	1,800	8,700	3,275	-79.3%
LLS CRUDE OIL	YVO	2,500	0	3,000	-16.7%
MCCLOSKEY ARA ARGS COAL	MTO	850	905	850	-6.1%
MCCLOSKEY RCH BAY COAL	MFO	275	75	0	266.7%
NATURAL GAS	G10	0	0	0	-
NATURAL GAS 12 M CSO FIN	G7	0	0	0	-
NATURAL GAS 1 M CSO FIN	G4	131,862	61,650	135,799	113.9%
NATURAL GAS 2 M CSO FIN	G2	0	100	6,150	-100.0%
NATURAL GAS 3 M CSO FIN	G3	31,201	700	22,900	4,357.3%
NATURAL GAS 5 M CSO FIN	G5	0	0	0	-
NATURAL GAS 6 M CSO FIN	G6	16,850	5,100	15,800	230.4%
NATURAL GAS OPTION ON CALENDAR STRP	6J	1,810	2,278	12,070	-20.5%
NATURAL GAS PHY	KD	0	0	0	0.0%
NATURAL GAS PHY	LN	2,194,015	2,282,427	2,311,490	-3.9%
NATURAL GAS PHY	ON	143,545	151,608	131,073	-5.3%
NATURAL GAS PHY	ON1	0	0	0	-
NATURAL GAS PHY	ON5	0	0	0	-
NG HH 3 MONTH CAL	IC	0	0	0	-
N ROCKIES PIPE SWAP	ZR	4,987	7,379	6,754	-32.4%
NY HARBOR HEAT OIL SWP	AT	14,024	38,746	16,845	-63.8%
NYISO ZONE G 5MW PEAK OPTIONS	9U	2,800	5,200	5,880	-46.2%
NYMEX EUROPEAN GASOIL APO	F7	0	30	0	-100.0%
NYMEX EUROPEAN GASOIL OPT	F8	0	0	0	-
PANHANDLE PIPE SWAP	PU	7,200	0	7,440	-
PETROCHEMICALS	4H	4,817	4,230	5,788	13.9%
PETROCHEMICALS	4I	0	0	0	-
PETROCHEMICALS	4J	855	5,450	1,265	-84.3%
PETROCHEMICALS	4K	450	690	575	-34.8%
PETROCHEMICALS	CPR	12	0	15	-
PETRO OUTRIGHT EURO	8H	50	0	100	-50.0%
PETRO OUTRIGHT NA	DAP	72	0	72	0.0%



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Energy Options						
PGE CITYGATE PIPE SWAP	CW	0	0	-	0	-
PJM CALENDAR STRIP	6O	0	0	-	0	-
PJM ELECTRIC	6OO	0	0	-	0	-
PJM MONTHLY	JO	0	0	-	0	-
PJM WES HUB PEAK CAL MTH	6OA	1,550	580	167.2%	3,420	-54.7%
PJM WES HUB PEAK CAL MTH	JOA	0	4,800	-100.0%	0	-
PJM WES HUB PEAK LMP 50MW	PMA	12,130	10,683	13.5%	14,330	-15.4%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	100	-100.0%
RBOB CALENDAR SWAP	RA	75	117	-35.9%	571	-86.9%
RBOB PHY	OB	12,107	6,231	94.3%	11,437	5.9%
RBOB PHY	RF	150	0	-	250	-40.0%
ROTTERDAM 3.5%FUEL OIL CL	Q6	40	610	-93.4%	80	-50.0%
SAN JUAN PIPE SWAP	PJ	3,910	6,698	-41.6%	5,548	-29.5%
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 NATURAL GAS	U01	0	0	-	401	-100.0%
SHORT TERM NATURAL GAS	U02	300	0	-	0	-
SHORT TERM NATURAL GAS	U03	0	100	-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	-
SHORT TERM NATURAL GAS	U29	0	0	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	25	300	-91.7%	50	-50.0%
SINGAPORE JET FUEL CALEND	N2	40	1,120	-96.4%	80	-50.0%
SOCAL PIPE SWAP	ZN	0	4,800	-100.0%	0	-
WTI 12 MONTH CALENDAR OPT	WZ	0	0	-	0	-
WTI-BRENT BULLET SWAP	BV	226,666	97,545	132.4%	206,990	9.5%
WTI CRUDE OIL 1 M CSO FI	7A	237,020	395,136	-40.0%	273,275	-13.3%

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Metals Futures						
COMEX GOLD	GC	494,896	423,967	16.7%	485,509	1.9%
NYMEX HOT ROLLED STEEL	HR	12,487	13,287	-6.0%	15,059	-17.1%
NYMEX PLATINUM	PL	82,135	62,997	30.4%	78,561	4.5%
PALLADIUM	PA	37,419	23,829	57.0%	34,697	7.8%
URANIUM	UX	3,900	4,451	-12.4%	4,015	-2.9%
COMEX SILVER	SI	194,009	164,943	17.6%	187,033	3.7%
COMEX E-Mini GOLD	QO	761	1,972	-61.4%	716	6.3%
COMEX E-Mini SILVER	QI	113	161	-29.8%	95	18.9%
COMEX COPPER	HG	285,342	224,939	26.9%	265,886	7.3%
COMEX MINY COPPER	QC	273	86	217.4%	208	31.3%
ALUMINUM	A38	0	66	-100.0%	0	-
ALUMINUM	AEP	15,359	5,963	157.6%	15,329	0.2%
ALUMINUM	ALA	2,710	60	4,416.7%	3,320	-18.4%
ALUMINUM	ALI	31	220	-85.9%	31	0.0%
ALUMINUM	AUP	26,731	33,544	-20.3%	27,038	-1.1%
ALUMINUM	CUP	329	0	-	0	-
ALUMINUM	EDP	10,201	7,483	36.3%	9,857	3.5%
ALUMINUM	MJP	9,052	5,086	78.0%	8,871	2.0%
COPPER	HGS	7,736	1,996	287.6%	3,971	94.8%
E-MICRO GOLD	MGC	7,436	2,917	154.9%	7,405	0.4%
FERROUS PRODUCTS	BUS	615	367	67.6%	735	-16.3%
FERROUS PRODUCTS	SSF	0	0	-	0	-
GOLD	GPS	0	0	-	0	-
Gold Kilo	GCK	0	25	-100.0%	3	-100.0%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FUTURES	PIO	2,720	946	187.5%	3,560	-23.6%
IRON ORE 62 CHINA TSI FUTURES	TIO	11,385	19,371	-41.2%	12,898	-11.7%
LNDN ZINC	ZNC	11	3	266.7%	10	10.0%
METALS	LED	0	0	-	0	-
SILVER	SIL	1,248	851	46.7%	1,618	-22.9%
Metals Options						
COMEX COPPER	HX	11,891	2,661	346.9%	7,352	61.7%
COMEX GOLD	OG	823,512	953,182	-13.6%	794,099	3.7%
COMEX SILVER	SO	116,700	104,888	11.3%	93,564	24.7%
COPPER	H4E	0	0	-	0	-
GOLD	OG1	3,605	653	452.1%	3,944	-8.6%
GOLD	OG2	1,754	41	4,178.0%	2,767	-36.6%
GOLD	OG3	905	0	-	320	182.8%
GOLD	OG4	0	0	-	51	-100.0%
GOLD	OG5	0	0	0.0%	0	-
HOT ROLLED COIL STEEL CALL OPTION	HRO	1,530	0	-	330	363.6%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	6,000	13,283	-54.8%	7,230	-17.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	3,530	8,092	-56.4%	4,980	-29.1%
NYMEX PLATINUM	PO	5,079	7,740	-34.4%	4,837	5.0%
PALLADIUM	PAO	3,406	2,652	28.4%	3,010	13.2%
SILVER	SO1	4	0	-	2	100.0%
SILVER	SO2	0	0	-	0	-
SILVER	SO3	0	0	-	5	-100.0%
SILVER	SO4	0	0	-	1	-100.0%
SILVER	SO5	0	0	0.0%	0	-



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest DEC 2017	Open Interest DEC 2016	% CHG	Open Interest NOV 2017	% CHG
TOTAL FUTURES GROUP					
Commodities and Alternative Investments Futures	5	19	-73.7%	2	150.0%
Energy Futures	16,081,169	19,375,981	-17.0%	16,561,219	-2.9%
Metals Futures	1,206,899	999,530	20.7%	1,166,425	3.5%
TOTAL FUTURES	17,288,073	20,375,530	-15.2%	17,727,646	-2.5%
TOTAL OPTIONS GROUP					
Energy Options	6,648,592	6,810,651	-2.4%	6,844,120	-2.9%
Metals Options	977,916	1,093,192	-10.5%	922,492	6.0%
TOTAL OPTIONS	7,626,508	7,903,843	-3.5%	7,766,612	-1.8%
TOTAL COMBINED					
Commodities and Alternative Investments	5	19	-73.7%	2	150.0%
Energy	22,729,761	26,186,632	-13.2%	23,405,339	-2.9%
Metals	2,184,815	2,092,722	4.4%	2,088,917	4.6%
GRAND TOTAL	24,914,581	28,279,373	-11.9%	25,494,258	-2.3%