



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest JAN 2017	Open Interest JAN 2016	% CHG	Open Interest DEC 2017	% CHG
Commodities and Alternative Investments Futures					
COCOA TAS	13	45	-71.1%	13	0.0%
COFFEE	1	3	-66.7%	1	0.0%
COTTON	3	6	-50.0%	4	-25.0%
SUGAR 11	1	24	-95.8%	1	0.0%
Energy Futures					
CRUDE OIL PHY	2,194,908	1,841,290	19.2%	2,068,877	6.1%
CRUDE OIL	5,526	19,485	-71.6%	1,443	283.0%
MINY WTI CRUDE OIL	4,256	8,872	-52.0%	4,372	-2.7%
BRENT OIL LAST DAY	130,335	179,797	-27.5%	126,410	3.1%
HEATING OIL PHY	405,989	355,447	14.2%	428,386	-5.2%
HTG OIL	614	2,110	-70.9%	1,033	-40.6%
MINY HTG OIL	0	2	-100.0%	1	-100.0%
RBOB PHY	426,771	386,463	10.4%	403,123	5.9%
MINY RBOB GAS	0	0	0.0%	0	0.0%
NATURAL GAS	120,046	97,407	23.2%	106,281	13.0%
LTD NAT GAS	362,635	284,731	27.4%	355,797	1.9%
MINY NATURAL GAS	1,788	2,671	-33.1%	2,027	-11.8%
PJM MONTHLY	3,836	12,252	-68.7%	4,602	-16.6%
NATURAL GAS PHY	1,175,887	925,938	27.0%	1,251,358	-6.0%
RBOB GAS	1,356	4,586	-70.4%	1,334	1.6%
3.5% FUEL OIL CID MED SWA	931	583	59.7%	674	38.1%
3.5% FUEL OIL CIF BALMO S	25	5	400.0%	90	-72.2%
AEP-DAYTON HUB DAILY	192	278	-30.9%	248	-22.6%
AEP-DAYTON HUB MTHLY	840	1,776	-52.7%	907	-7.4%
AEP-DAYTON HUB OFF-PEAK M	600	1,584	-62.1%	667	-10.0%
ALGON CITY GATES NAT GAS	2,432	0	-	2,680	-9.3%
ALGONQUIN CITYGATES BASIS	2,573	950	170.8%	2,821	-8.8%
ANR LOUISIANA BASIS SWAP	59	856	-93.1%	214	-72.4%
ANR OKLAHOMA	3,439	7,385	-53.4%	3,532	-2.6%
APPALACHIAN COAL (PHY)	0	110	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	11,503	15,942	-27.8%	11,079	3.8%
ARGUS PROPAN FAR EST INDE	1,528	1,324	15.4%	1,654	-7.6%
ARGUS PROPAN(SAUDI ARAMCO	794	908	-12.6%	608	30.6%
AUSTRIALIAN COKE COAL	882	687	28.4%	900	-2.0%
BRENT BALMO SWAP	25	20	25.0%	250	-90.0%
BRENT CALENDAR SWAP	14,997	16,653	-9.9%	14,834	1.1%
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	5,642	7,786	-27.5%	1,089	418.1%
BRENT FINANCIAL FUTURES	0	2,475	-100.0%	0	-
BRENT FINANCIAL FUTURES	0	60	-100.0%	350	-100.0%
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	7,700	0	-	15,640	-50.8%
CAISO SP15 EZGNHUB5 PEAK	550	0	-	1,690	-67.5%
CANADIAN LIGHT SWEET OIL	9,310	5,950	56.5%	9,410	-1.1%
CENTERPOINT BASIS SWAP	18,721	16,880	10.9%	19,799	-5.4%
CENTERPOINT EAST INDEX	0	0	-	0	-
CENTER POINT NAT GAS FIXED PRICE	0	0	-	0	-
CHICAGO ETHANOL SWAP	59,739	42,552	40.4%	56,560	5.6%
CHICAGO ULSD (PLATTS) SWA	0	36	-100.0%	3	-100.0%



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CHICAGO ULSD PL VS HO SPR	5C	1,280	1,841	-30.5%	1,102	16.2%
CHICAGO UNL GAS PL VS RBO	3C	36	1,122	-96.8%	39	-7.7%
CIG BASIS	CI	46,755	36,631	27.6%	48,622	-3.8%
CIG ROCKIES NG INDEX SWA	Z8	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	EJ	140	698	-79.9%	194	-27.8%
CINERGY HUB PEAK MONTH	EM	288	496	-41.9%	302	-4.6%
CIN HUB 5MW D AH O PK	K2	238,800	350,280	-31.8%	247,600	-3.6%
CIN HUB 5MW D AH PK	H5	16,195	22,043	-26.5%	17,052	-5.0%
CIN HUB 5MW REAL TIME O P	H4	652,536	975,696	-33.1%	661,456	-1.3%
CIN HUB 5MW REAL TIME PK	H3	49,533	34,762	42.5%	45,224	9.5%
COAL SWAP	ACM	265	930	-71.5%	353	-24.9%
COAL SWAP	SSI	15	191	-92.1%	20	-25.0%
COLUMB GULF MAINLINE NG B	5Z	18,474	36,010	-48.7%	20,114	-8.2%
COLUMBIA GULF MAIN NAT G	L2	0	930	-100.0%	0	-
COLUMBIA GULF NAT GAS FIXED PRICE	DCE	0	0	-	0	-
COLUMBIA GULF ONSHORE	GL	15,698	27,207	-42.3%	17,279	-9.1%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	353	507	-30.4%	429	-17.7%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	857	529	62.0%	1,095	-21.7%
CONWAY PROPANE 5 DECIMALS SWAP	8K	16,897	13,255	27.5%	18,504	-8.7%
CRUDE OIL	CHB	0	0	-	0	-
CRUDE OIL	LPS	20,380	12,965	57.2%	20,680	-1.5%
CRUDE OIL OUTRIGHTS	37	0	0	-	0	-
CRUDE OIL OUTRIGHTS	42	85	14	507.1%	184	-53.8%
CRUDE OIL OUTRIGHTS	CSW	1,520	0	-	1,555	-2.3%
CRUDE OIL OUTRIGHTS	DBL	200	2,820	-92.9%	0	-
CRUDE OIL OUTRIGHTS	FE	100	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	80	0	-	70	14.3%
CRUDE OIL OUTRIGHTS	HTT	18,847	0	-	12,199	54.5%
CRUDE OIL OUTRIGHTS	WCC	11,040	17,540	-37.1%	9,990	10.5%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL SPRDS	38	250	225	11.1%	250	0.0%
CRUDE OIL SPRDS	WTT	28,940	5,491	427.0%	23,990	20.6%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	14,688	29,664	-50.5%	15,552	-5.6%
DAILY PJM	IDO	22,440	27,592	-18.7%	24,752	-9.3%
DAILY PJM	NOC	13,440	11,664	15.2%	26,064	-48.4%
DAILY PJM	PAP	1,175	780	50.6%	1,137	3.3%
DAILY PJM	PEO	2,200	14,880	-85.2%	5,440	-59.6%
DAILY PJM	PNO	70,576	25,336	178.6%	67,728	4.2%
DAILY PJM	PNP	3,425	812	321.8%	3,242	5.6%
DAILY PJM	PWO	72,600	57,040	27.3%	86,224	-15.8%
DAILY PJM	PWP	4,150	2,470	68.0%	4,081	1.7%
DAILY PJM	WOR	22,848	56,016	-59.2%	74,016	-69.1%
DAILY PJM	ZAO	13,200	32,240	-59.1%	18,632	-29.2%
DAILY PJM	ZGO	28,600	17,488	63.5%	28,016	2.1%
DAILY PJM	ZJO	11,000	10,416	5.6%	10,880	1.1%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	10,310	6,368	61.9%	15,940	-35.3%
DEMARC INDEX FUTURE	DI	0	0	-	0	-
DEMARC SWING SWAP	DT	0	0	-	0	-
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	100	-100.0%
DIESEL10PPM BARG VS ICE LS	LSE	0	0	-	0	-
DLY GAS EURO-BOB OXY	GBR	0	0	-	0	-

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Energy Futures					
DOMINION TRAN INC - APP I	2,920	751	288.8%	2,951	-1.1%
DOMINION TRANSMISSION INC	59,984	38,921	54.1%	56,031	7.1%
DUBAI CRUDE OIL BALMO	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	21,870	4,371	400.3%	10,920	100.3%
DY EURO 3.5% FUEL OI RDA	1,500	0	-	0	-
EASTERN RAIL DELIVERY CSX	2,005	2,910	-31.1%	2,375	-15.6%
EAST/WEST FUEL OIL SPREAD	887	685	29.5%	145	511.7%
EIA FLAT TAX ONHWAY DIESE	4,213	6,071	-30.6%	4,124	2.2%
ELEC ERCOT DLY OFF PK	0	0	-	0	-
ELEC ERCOT DLY PEAK	0	78	-100.0%	42	-100.0%
ELEC ERCOT DLY PEAK	0	105	-100.0%	0	-
ELEC ERCOT DLY PEAK	0	30	-100.0%	0	-
ELEC ERCOT OFF PEAK	0	0	-	0	-
ELEC FINSETTLED	2,804	1,534	82.8%	2,804	0.0%
ELEC FINSETTLED	0	1,275	-100.0%	105	-100.0%
ELEC MISO PEAK	215	1,531	-86.0%	320	-32.8%
ELEC MISO PEAK	1,016	2,036	-50.1%	1,100	-7.6%
ELEC NYISO OFF-PEAK	0	28,156	-100.0%	2,040	-100.0%
ELEC NYISO OFF-PEAK	18,784	37,600	-50.0%	20,416	-8.0%
ELECTRICITY OFF PEAK	51,544	28,064	83.7%	51,544	0.0%
ELECTRICITY OFF PEAK	0	0	-	0	-
ELECTRICITY OFF PEAK	0	23,520	-100.0%	2,040	-100.0%
ELEC WEST POWER OFF-PEAK	0	0	-	0	-
ELEC WEST POWER PEAK	3,850	0	-	5,390	-28.6%
EL PASO PERMIAN INDEX SWA	0	0	-	0	-
EMMISSIONS	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	0	864	-100.0%	720	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	0	21,400	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW PEAK	430	1,750	-75.4%	0	-
ETHANOL T2 FOB ROTT INCL DUTY SWAP	4,411	2,990	47.5%	4,468	-1.3%
EU LOW SULPHUR GASOIL CRACK	0	0	-	0	-
EURO 1% FUEL OIL NEW BALM	0	173	-100.0%	6	-100.0%
EURO 3.5% FUEL OIL RDAM B	829	277	199.3%	1,059	-21.7%
EURO 3.5% FUEL OIL SPREAD	2,857	1,156	147.1%	3,180	-10.2%
EURO-DENOMINATED PETRO PROD	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	500	70	614.3%	159	214.5%
EURO GASOIL 10 CAL SWAP	0	3	-100.0%	0	-
EURO GASOIL 10PPM VS ICE	330	912	-63.8%	299	10.4%
EUROPE 1% FUEL OIL NWE CA	254	414	-38.6%	328	-22.6%
EUROPE 1% FUEL OIL RDAM C	8	96	-91.7%	25	-68.0%
EUROPE 3.5% FUEL OIL MED	1,116	664	68.1%	957	16.6%
EUROPE 3.5% FUEL OIL RDAM	12,778	9,417	35.7%	12,158	5.1%
EUROPEAN GASOIL (ICE)	3,537	3,577	-1.1%	3,745	-5.6%
EUROPEAN NAPHTHA BALMO	409	114	258.8%	245	66.9%
EUROPEAN NAPHTHA CRACK SPR	10,342	10,845	-4.6%	10,993	-5.9%
EUROPE DATED BRENT SWAP	339	3,667	-90.8%	395	-14.2%
EUROPE JET KERO NWE CALSW	0	10	-100.0%	3	-100.0%
EUROPE NAPHTHA CALSWAP	2,433	1,075	126.3%	1,945	25.1%
EURO PROPANE CIF ARA SWA	1,570	898	74.8%	1,765	-11.0%
FL GAS ZONE 3 NAT GAS IND	0	0	-	0	-
FLORIDA GAS ZONE3 BASIS S	1,708	2,109	-19.0%	2,700	-36.7%
FREIGHT MARKETS	1,188	538	120.8%	1,153	3.0%
FUEL OIL CRACK VS ICE	18,275	15,912	14.9%	18,596	-1.7%

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Energy Futures						
FUEL OIL NWE CRACK VS ICE	FI	0	228	-100.0%	19	-100.0%
FUEL OIL (PLATS) CAR CM	1W	211	140	50.7%	403	-47.6%
FUEL OIL (PLATS) CAR CN	1X	0	36	-100.0%	12	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	1,041	1,088	-4.3%	1,063	-2.1%
GAS EURO-BOB OXY NWE BARGES	7H	5,693	6,986	-18.5%	5,924	-3.9%
GAS EURO-BOB OXY NWE BARGES CRK	7K	30,537	33,731	-9.5%	27,506	11.0%
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	65	-100.0%	10	-100.0%
GASOIL 0.1CIF MED VS ICE	Z5	60	125	-52.0%	80	-25.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	15	-100.0%
GASOIL 0.1 CIF VS ICE GAS	8W	20	0	-	0	-
GASOIL 0.1 CRG CIF NW VS	4V	0	5	-100.0%	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	45	51	-11.8%	47	-4.3%
GASOIL 0.1 ROTTERDAM BARG	VL	30	0	-	10	200.0%
GASOIL 10P CRG CIF NW VS	3V	0	10	-100.0%	0	-
GASOIL 10PPM CARGOES CIF	TY	0	3	-100.0%	0	-
GASOIL 10PPM VS ICE SWAP	TP	821	178	361.2%	652	25.9%
GASOIL BULLET SWAP	BG	0	0	-	50	-100.0%
GASOIL CALENDAR SWAP	GX	75	41	82.9%	96	-21.9%
GASOIL CRACK SPREAD CALEN	GZ	18,079	7,551	139.4%	17,784	1.7%
GASOIL MINI CALENDAR SWAP	QA	230	1,059	-78.3%	432	-46.8%
GASOLINE UP-DOWN BALMO SW	1K	0	350	-100.0%	0	-
GC ULSD VS GC JET SPREAD	VV	0	0	-	0	-
GROUP THREE ULSD (PLATTS)	A7	300	0	-	300	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	5,972	5,827	2.5%	5,273	13.3%
GRP THREE UNL GS (PLT) VS	A8	4,315	5,265	-18.0%	4,392	-1.8%
GULF COAST 3% FUEL OIL BA	VZ	311	1,455	-78.6%	949	-67.2%
GULF COAST GASOLINE CLNDR	GS	0	2,800	-100.0%	0	-
GULF COAST JET FUEL CLNDR	GE	1,213	1,044	16.2%	1,342	-9.6%
GULF COAST JET VS NYM 2 H	ME	33,397	36,853	-9.4%	36,123	-7.5%
GULF COAST NO.6 FUEL OIL	MF	56,126	57,106	-1.7%	54,187	3.6%
GULF COAST NO.6 FUEL OIL	MG	6,726	8,594	-21.7%	7,842	-14.2%
GULF COAST ULSD CALENDAR	LY	3,479	5,743	-39.4%	3,859	-9.8%
GULF COAST ULSD CRACK SPR	GY	2,833	8,139	-65.2%	3,355	-15.6%
HEATING OIL BALMO CLNDR S	1G	0	75	-100.0%	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	41,394	64,203	-35.5%	42,762	-3.2%
HENRY HUB INDEX SWAP FUTU	IN	20,807	27,165	-23.4%	20,251	2.7%
HENRY HUB SWAP	NN	1,305,939	1,420,838	-8.1%	1,360,539	-4.0%
HENRY HUB SWING FUTURE	SN	0	290	-100.0%	0	-
HOUSTON SHIP CHANNEL BASI	NH	23,821	28,449	-16.3%	24,441	-2.5%
HOUSTON SHIP CHANNEL INDE	IP	0	0	-	0	-
HUSTN SHIP CHNL PIPE SWP	XJ	3,017	3,425	-11.9%	3,425	-11.9%
ICE BRENT DUBAI SWAP	DB	15,518	3,450	349.8%	22,156	-30.0%
IN DELIVERY MONTH EUA	6T	10,748	46,000	-76.6%	10,748	0.0%
INDIANA MISO	FAD	11,200	17,640	-36.5%	14,952	-25.1%
INDIANA MISO	FDM	0	0	-	0	-
INDIANA MISO	FTD	3,936	9,792	-59.8%	8,352	-52.9%
INDIANA MISO	FTM	0	47,040	-100.0%	4,080	-100.0%



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INDIANA MISO	PDD	1,486	1,092	36.1%	1,479	0.5%
INDIANA MISO	PDM	0	786	-100.0%	0	-
INDIANA MISO	PTD	497	217	129.0%	357	39.2%
INDIANA MISO	PTM	0	0	-	0	-
INDONESIAN COAL	MCC	0	125	-100.0%	5	-100.0%
ISO NEW ENGLAND OFF-PEAK	KI	168	624	-73.1%	206	-18.4%
ISO NEW ENGLAND PK LMP	NI	234	624	-62.5%	259	-9.7%
JAPAN C&F NAPHTHA CRACK S	JB	1,215	1,593	-23.7%	875	38.9%
JAPAN C&F NAPHTHA SWAP	JA	1,543	1,448	6.6%	1,896	-18.6%
JAPAN NAPHTHA BALMO SWAP	E6	50	82	-39.0%	66	-24.2%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	39	46	-15.2%	48	-18.8%
JET BARGES VS ICE GASOIL	JR	0	33	-100.0%	0	-
JET CIF NWE VS ICE	JC	368	403	-8.7%	357	3.1%
JET FUEL BRG FOB RDM VS I	9Q	0	2	-100.0%	0	-
JET FUEL CRG CIF NEW VS I	6X	10	0	-	0	-
JET FUEL UP-DOWN BALMO CL	1M	4,603	3,010	52.9%	6,025	-23.6%
LA CARB DIESEL (OPIS)	LX	78	182	-57.1%	91	-14.3%
LA CARB DIESEL (OPIS) SWA	KL	451	579	-22.1%	641	-29.6%
LA CARBOB GASOLINE(OPIS)S	JL	250	2,025	-87.7%	0	-
LA JET FUEL VS NYM NO 2 H	MQ	30	405	-92.6%	75	-60.0%
LA JET (OPIS) SWAP	JS	2,385	1,140	109.2%	1,080	120.8%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	WJ	26,108	44,896	-41.8%	25,918	0.7%
MARS (ARGUS) VS WTI SWAP	YX	13,861	16,589	-16.4%	14,029	-1.2%
MARS (ARGUS) VS WTI TRD M	YV	19,380	4,740	308.9%	17,786	9.0%
MARS BLEND CRUDE OIL	MB	3,074	115	2,573.0%	2,800	9.8%
MCCLOSKEY ARA ARGS COAL	MTF	75,926	135,186	-43.8%	76,901	-1.3%
MCCLOSKEY RCH BAY COAL	MFF	15,802	34,201	-53.8%	18,578	-14.9%
MGF FUT	MGF	0	15	-100.0%	0	-
MGN1 SWAP FUT	MGN	551	607	-9.2%	449	22.7%
MICHCON NG INDEX SWAP	Y8	0	0	-	0	-
MICHIGAN BASIS	NF	12,076	7,918	52.5%	14,181	-14.8%
MICHIGAN MISO	HMO	150,240	210,688	-28.7%	159,216	-5.6%
MICHIGAN MISO	HMW	10,670	13,945	-23.5%	11,132	-4.2%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	447	95	370.5%	661	-32.4%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	666	500	33.2%	50	1,232.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	4,327	1,260	243.4%	4,170	3.8%
MJB FUT	MJB	0	0	-	0	-
MJC FUT	MJC	259	258	0.4%	262	-1.1%
MNC FUT	MNC	4,298	5,112	-15.9%	4,926	-12.7%
MONT BELVIEU ETHANE 5 DECIMAL	C0	104,659	35,127	197.9%	104,548	0.1%
MONT BELVIEU ETHANE OPIS BALMO	8C	965	115	739.1%	375	157.3%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	126,515	109,556	15.5%	137,635	-8.1%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	3,160	170	1,758.8%	2,165	46.0%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	16,471	9,811	67.9%	17,270	-4.6%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	771	85	807.1%	200	285.5%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	38,558	32,472	18.7%	38,590	-0.1%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,085	494	119.6%	582	86.4%
NAT GAS BASIS SWAP	SGW	0	0	-	0	-
NAT GAS BASIS SWAP	TZ6	12,585	2,192	474.1%	13,540	-7.1%
NATURAL GAS	HBI	0	0	-	0	-
NATURAL GAS	XSC	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	CFS	0	1,340	-100.0%	0	-

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Energy Futures						
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	1,440	4,940	-70.9%	1,620	-11.1%
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	0	1,340	-100.0%	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	0	242	-100.0%	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	0	302	-100.0%	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	Z5P	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	0	36	-100.0%	0	-
NATURAL GAS INDEX	TZI	1,992	0	-	2,308	-13.7%
NATURAL GAS PEN SWP	NP	279,366	307,834	-9.2%	279,942	-0.2%
NEPOOL CNCTCT 5MW D AH O	P3	4,696	4,696	0.0%	6,736	-30.3%
NEPOOL CONECTIC 5MW D AH	P2	254	254	0.0%	359	-29.2%
NEPOOL INTR HUB 5MW D AH	H2	549,040	339,728	61.6%	566,992	-3.2%
NEPOOL INTR HUB 5MW D AH	U6	38,261	16,947	125.8%	39,081	-2.1%
NEPOOL NE MASS 5MW D AH O	P8	0	0	-	0	-
NEPOOL NE MASS 5MW D AH P	P7	0	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	1,718	10,833	-84.1%	2,327	-26.2%
NEPOOL RHODE IL 5MW D AH	U5	31,425	164,138	-80.9%	40,401	-22.2%
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 A	L9	9,392	43,728	-78.5%	11,024	-14.8%
NEPOOL W CNTR M 5MW D AH	R6	928	2,643	-64.9%	1,138	-18.5%
NEW ENGLAND HUB PEAK DAIL	CE	1,271	1,903	-33.2%	1,356	-6.3%
NEW YORK ETHANOL SWAP	EZ	1,550	4,465	-65.3%	2,225	-30.3%
NEW YORK HUB ZONE G PEAK	GN	4,284	2,386	79.5%	3,592	19.3%
NEW YORK HUB ZONE J PEAK	JN	341	1,312	-74.0%	1,177	-71.0%
NGPL MID-CONTINENT	NL	32,093	40,400	-20.6%	33,621	-4.5%
NGPL MIDCONTINENT INDEX	IW	0	0	-	0	-
NGPL MIDCONTINENT SWING S	PX	0	0	-	0	-
NGPL TEX/OK	PD	38,764	65,908	-41.2%	40,686	-4.7%
NGPL TEXOK INDEX	OI	0	0	-	0	-
N ILLINOIS HUB DAILY	UD	196	188	4.3%	198	-1.0%
N ILLINOIS HUB MTHLY	UM	240	480	-50.0%	260	-7.7%
NO 2 UP-DOWN SPREAD CALEN	UT	1,671	1,525	9.6%	1,007	65.9%
NORTHEN NATURAL GAS DEMAR	PE	2,936	2,008	46.2%	3,144	-6.6%
NORTHEN NATURAL GAS VENTU	PF	5,212	1,901	174.2%	5,584	-6.7%
NORTHERN ILLINOIS OFF-PEA	UO	0	1,010	-100.0%	80	-100.0%
NORTHWEST ROCKIES BASIS S	NR	70,447	73,041	-3.6%	74,433	-5.4%
N ROCKIES PIPE SWAP	XR	515	759	-32.1%	546	-5.7%
NY1% VS GC SPREAD SWAP	VR	8,236	6,322	30.3%	7,062	16.6%
NY 2.2% FUEL OIL (PLATTS	Y3	300	805	-62.7%	300	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	975	1,600	-39.1%	575	69.6%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	50	-100.0%
NY HARBOR HEAT OIL SWP	MP	13,963	16,662	-16.2%	14,333	-2.6%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	1,927	525	267.0%	2,327	-17.2%
NY HARBOR RESIDUAL FUEL 1	MM	4,219	6,743	-37.4%	5,565	-24.2%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	10,167	14,704	-30.9%	11,592	-12.3%
NY H OIL PLATTS VS NYMEX	YH	0	26	-100.0%	0	-
NYISO A	KA	0	5,310	-100.0%	420	-100.0%
NYISO A OFF-PEAK	KB	0	1,630	-100.0%	140	-100.0%
NYISO CAPACITY	LHV	270	0	-	286	-5.6%
NYISO CAPACITY	NNC	1,575	2,231	-29.4%	1,556	1.2%

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NYISO CAPACITY	1,732	3,277	-47.1%	1,832	-5.5%
NYISO G	0	635	-100.0%	42	-100.0%
NYISO G OFF-PEAK	0	280	-100.0%	20	-100.0%
NYISO J	1,571	5,802	-72.9%	1,907	-17.6%
NYISO J OFF-PEAK	360	904	-60.2%	402	-10.4%
NYISO ZONE A 5MW D AH O P	169,560	311,520	-45.6%	170,760	-0.7%
NYISO ZONE A 5MW D AH PK	11,910	14,312	-16.8%	6,915	72.2%
NYISO ZONE C 5MW D AH O P	0	23,520	-100.0%	9,384	-100.0%
NYISO ZONE C 5MW D AH PK	0	1,275	-100.0%	483	-100.0%
NYISO ZONE G 5MW D AH O P	326,016	198,798	64.0%	277,288	17.6%
NYISO ZONE G 5MW D AH PK	24,540	21,728	12.9%	19,145	28.2%
NYISO ZONE J 5MW D AH O P	174,096	50,370	245.6%	182,896	-4.8%
NYISO ZONE J 5MW D AH PK	11,581	8,808	31.5%	11,601	-0.2%
NY JET FUEL (PLATTS) HEAT OIL SWAP	0	0	-	0	-
NYMEX ALUMINUM FUTURES	620	1,760	-64.8%	926	-33.0%
NYMEX ULSD VS NYMEX HO	0	978	-100.0%	30	-100.0%
NY ULSD (ARGUS) VS HEATING OIL	5,289	4,250	24.4%	5,284	0.1%
ONEOK OKLAHOMA NG BASIS	1,708	3,903	-56.2%	1,907	-10.4%
ONTARIO POWER SWAPS	960	4,032	-76.2%	3,312	-71.0%
ONTARIO POWER SWAPS	42,880	149,075	-71.2%	46,960	-8.7%
ONTARIO POWER SWAPS	60	160	-62.5%	120	-50.0%
ONTARIO POWER SWAPS	1,265	6,190	-79.6%	1,375	-8.0%
PANHANDLE BASIS SWAP FUTU	38,118	46,989	-18.9%	39,968	-4.6%
PANHANDLE INDEX SWAP FUTU	0	124	-100.0%	0	-
PANHANDLE PIPE SWAP	0	0	-	0	-
PERMIAN BASIS SWAP	20,495	18,230	12.4%	21,332	-3.9%
PETROCHEMICALS	106	17	523.5%	38	178.9%
PETROCHEMICALS	212	63	236.5%	147	44.2%
PETROCHEMICALS	2,078	2,388	-13.0%	2,149	-3.3%
PETROCHEMICALS	423	136	211.0%	343	23.3%
PETROCHEMICALS	0	2	-100.0%	4	-100.0%
PETROCHEMICALS	0	0	-	0	-
PETROCHEMICALS	0	0	-	0	-
PETROCHEMICALS	10	60	-83.3%	40	-75.0%
PETROCHEMICALS	65	110	-40.9%	30	116.7%
PETROCHEMICALS	2,270	3,095	-26.7%	2,560	-11.3%
PETROCHEMICALS	2,617	1,558	68.0%	3,046	-14.1%
PETRO CRCKS & SPRDS ASIA	105	387	-72.9%	0	-
PETRO CRCKS & SPRDS ASIA	200	250	-20.0%	0	-
PETRO CRCKS & SPRDS ASIA	150	0	-	170	-11.8%
PETRO CRCKS & SPRDS NA	988	1,454	-32.0%	524	88.5%
PETRO CRCKS & SPRDS NA	3,482	1,559	123.3%	2,825	23.3%
PETRO CRCKS & SPRDS NA	1,855	4,735	-60.8%	2,290	-19.0%
PETRO CRCKS & SPRDS NA	800	0	-	2,095	-61.8%
PETRO CRCKS & SPRDS NA	725	850	-14.7%	1,000	-27.5%
PETRO CRCKS & SPRDS NA	4,581	2,579	77.6%	4,346	5.4%
PETRO CRCKS & SPRDS NA	22	18	22.2%	22	0.0%
PETRO CRCKS & SPRDS NA	23,633	27,987	-15.6%	24,724	-4.4%
PETRO CRCKS & SPRDS NA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	13,090	14,545	-10.0%	13,515	-3.1%
PETRO CRCKS & SPRDS NA	75	390	-80.8%	0	-
PETRO CRCKS & SPRDS NA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	0	220	-100.0%	0	-

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Energy Futures					
PETRO CRCKS & SPRDS NA	400	625	-36.0%	325	23.1%
PETRO CRCKS & SPRDS NA	450	0	-	450	0.0%
PETRO CRCKS & SPRDS NA	17,115	22,716	-24.7%	21,162	-19.1%
PETRO CRCKS & SPRDS NA	20,266	7,371	174.9%	19,130	5.9%
PETRO CRCKS & SPRDS NA	36	19	89.5%	30	20.0%
PETRO CRK&SPRD EURO	3,401	5,623	-39.5%	3,556	-4.4%
PETRO CRK&SPRD EURO	0	0	-	0	-
PETRO CRK&SPRD EURO	266	63	322.2%	222	19.8%
PETRO CRK&SPRD EURO	0	120	-100.0%	5	-100.0%
PETRO CRK&SPRD EURO	5,011	5,660	-11.5%	5,187	-3.4%
PETRO CRK&SPRD EURO	27	113	-76.1%	31	-12.9%
PETRO CRK&SPRD EURO	625	217	188.0%	645	-3.1%
PETRO CRK&SPRD EURO	7,119	3,263	118.2%	6,831	4.2%
PETRO CRK&SPRD EURO	0	170	-100.0%	0	-
PETRO CRK&SPRD EURO	0	11	-100.0%	0	-
PETRO CRK&SPRD EURO	150	460	-67.4%	0	-
PETRO CRK&SPRD EURO	139	174	-20.1%	132	5.3%
PETRO CRK&SPRD EURO	0	0	-	0	-
PETRO CRK&SPRD EURO	40	132	-69.7%	31	29.0%
PETRO CRK&SPRD EURO	410	223	83.9%	316	29.7%
PETRO CRK&SPRD EURO	10	0	-	23	-56.5%
PETRO CRK&SPRD EURO	1,190	733	62.3%	1,271	-6.4%
PETRO CRK&SPRD EURO	125	25	400.0%	0	-
PETRO CRK&SPRD EURO	0	0	-	0	-
PETROLEUM PRODUCTS	0	0	-	0	-
PETROLEUM PRODUCTS	0	0	-	0	-
PETROLEUM PRODUCTS	0	0	-	0	-
PETROLEUM PRODUCTS	0	0	-	0	-
PETROLEUM PRODUCTS	0	0	-	0	-
PETROLEUM PRODUCTS	0	0	-	15	-100.0%
PETROLEUM PRODUCTS	8,590	0	-	8,218	4.5%
PETROLEUM PRODUCTS	0	170	-100.0%	0	-
PETROLEUM PRODUCTS	0	0	-	0	-
PETROLEUM PRODUCTS	0	310	-100.0%	0	-
PETROLEUM PRODUCTS	489	420	16.4%	336	45.5%
PETROLEUM PRODUCTS ASIA	15	22	-31.8%	35	-57.1%
PETROLEUM PRODUCTS ASIA	1,903	1,553	22.5%	2,092	-9.0%
PETROLEUM PRODUCTS ASIA	5	0	-	0	-
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT EURO	138	132	4.5%	165	-16.4%
PETRO OUTRIGHT EURO	0	10	-100.0%	95	-100.0%
PETRO OUTRIGHT EURO	9,656	7,235	33.5%	9,764	-1.1%
PETRO OUTRIGHT EURO	741	613	20.9%	658	12.6%
PETRO OUTRIGHT EURO	1,652	1,742	-5.2%	1,817	-9.1%
PETRO OUTRIGHT EURO	0	5	-100.0%	0	-
PETRO OUTRIGHT EURO	180	175	2.9%	193	-6.7%
PETRO OUTRIGHT EURO	154	130	18.5%	238	-35.3%
PETRO OUTRIGHT EURO	115	112	2.7%	205	-43.9%
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT EURO	317	292	8.6%	539	-41.2%
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT EURO	321	252	27.4%	280	14.6%
PETRO OUTRIGHT EURO	0	0	-	5	-100.0%



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Energy Futures						
PETRO OUTRIGHT EURO	CBB	5	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	6	-100.0%	0	-
PETRO OUTRIGHT EURO	CPB	442	70	531.4%	50	784.0%
PETRO OUTRIGHT EURO	EFF	25	16	56.3%	63	-60.3%
PETRO OUTRIGHT EURO	EFM	279	65	329.2%	238	17.2%
PETRO OUTRIGHT EURO	ENS	120	97	23.7%	209	-42.6%
PETRO OUTRIGHT EURO	EWN	691	240	187.9%	453	52.5%
PETRO OUTRIGHT EURO	FBD	20	0	-	20	0.0%
PETRO OUTRIGHT EURO	MBB	60	34	76.5%	0	-
PETRO OUTRIGHT EURO	MBN	2,612	4,112	-36.5%	2,833	-7.8%
PETRO OUTRIGHT EURO	SMU	0	0	-	0	-
PETRO OUTRIGHT EURO	T0	738	204	261.8%	760	-2.9%
PETRO OUTRIGHT EURO	ULB	375	0	-	0	-
PETRO OUTRIGHT EURO	V0	405	382	6.0%	355	14.1%
PETRO OUTRIGHT EURO	W0	0	0	-	0	-
PETRO OUTRIGHT EURO	X0	0	0	-	0	-
PETRO OUTRIGHT EURO	Y0	0	0	-	0	-
PETRO OUTRIGHT NA	FCB	0	96	-100.0%	478	-100.0%
PETRO OUTRIGHT NA	FOB	0	0	-	0	-
PETRO OUTRIGHT NA	FOM	0	3	-100.0%	0	-
PETRO OUTRIGHT NA	GBA	0	0	-	0	-
PETRO OUTRIGHT NA	GUD	0	0	-	0	-
PETRO OUTRIGHT NA	JE	0	458	-100.0%	44	-100.0%
PETRO OUTRIGHT NA	JET	5,574	2,335	138.7%	8,053	-30.8%
PETRO OUTRIGHT NA	MBL	175	198	-11.6%	198	-11.6%
PETRO OUTRIGHT NA	MEN	887	847	4.7%	564	57.3%
PETRO OUTRIGHT NA	MEO	9,543	8,938	6.8%	8,358	14.2%
PETRO OUTRIGHT NA	MFD	35	208	-83.2%	55	-36.4%
PETRO OUTRIGHT NA	MMF	306	242	26.4%	374	-18.2%
PETRO OUTRIGHT NA	NYT	0	0	-	0	-
PETRO OUTRIGHT NA	XER	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	783,189	1,548,523	-49.4%	913,860	-14.3%
PJM AD HUB 5MW REAL TIME	Z9	37,735	74,862	-49.6%	40,790	-7.5%
PJM AECO DA OFF-PEAK	X1	17,343	69,434	-75.0%	21,015	-17.5%
PJM AECO DA PEAK	Y1	954	3,779	-74.8%	1,143	-16.5%
PJM APS ZONE DA OFF-PEAK	W4	0	14,112	-100.0%	1,224	-100.0%
PJM APS ZONE DA PEAK	S4	0	765	-100.0%	63	-100.0%
PJM ATSI ELEC	MOD	37,325	23,400	59.5%	39,365	-5.2%
PJM ATSI ELEC	MPD	2,010	1,275	57.6%	2,115	-5.0%
PJM BGE DA OFF-PEAK	R3	34,687	15,991	116.9%	35,095	-1.2%
PJM BGE DA PEAK	E3	1,891	871	117.1%	1,912	-1.1%
PJM COMED 5MW D AH O PK	D9	133,435	84,325	58.2%	134,515	-0.8%
PJM COMED 5MW D AH PK	D8	7,325	7,150	2.4%	7,310	0.2%
PJM DAILY	JD	868	712	21.9%	754	15.1%
PJM DAYTON DA OFF-PEAK	R7	206,155	211,120	-2.4%	114,960	79.3%
PJM DAYTON DA PEAK	D7	23,243	17,060	36.2%	24,183	-3.9%
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	19,270	66,310	-70.9%	23,350	-17.5%
PJM JCPL DA PEAK	J2	1,060	3,610	-70.6%	1,270	-16.5%
PJM NI HUB 5MW REAL TIME	B3	64,986	47,405	37.1%	61,025	6.5%
PJM NI HUB 5MW REAL TIME	B6	1,605,825	1,306,261	22.9%	1,176,715	36.5%
PJM NILL DA OFF-PEAK	L3	1,137,232	461,476	146.4%	1,066,671	6.6%



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Energy Futures						
PJM NILL DA PEAK	N3	48,663	22,389	117.4%	44,984	8.2%
PJM OFF-PEAK LMP SWAP FUT	JP	1,028	4,100	-74.9%	1,272	-19.2%
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	61,152	-100.0%	5,304	-100.0%
PJM PPL DA PEAK	L5	0	3,315	-100.0%	273	-100.0%
PJM PSEG DA OFF-PEAK	W6	126,635	0	-	128,675	-1.6%
PJM PSEG DA PEAK	L6	5,100	0	-	5,100	0.0%
PJM WES HUB PEAK LMP 50 M	4S	0	0	-	0	-
PJM WESTH DA OFF-PEAK	E4	1,044,457	1,262,769	-17.3%	1,102,537	-5.3%
PJM WESTHDA PEAK	J4	59,232	68,548	-13.6%	62,552	-5.3%
PJM WESTH RT OFF-PEAK	N9	2,288,111	3,284,660	-30.3%	2,410,018	-5.1%
PJM WESTH RT PEAK	L1	165,224	170,189	-2.9%	164,154	0.7%
PLASTICS	PGP	1,466	2,009	-27.0%	1,634	-10.3%
PREMIUM UNLND 10P FOB MED	3G	137	495	-72.3%	196	-30.1%
PREMIUM UNLEAD 10PPM FOB	8G	6	34	-82.4%	23	-73.9%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	48	-100.0%	5	-100.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,716	774	121.7%	150	1,044.0%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	38,103	24,737	54.0%	38,127	-0.1%
RBOB CALENDAR SWAP	RL	14,413	15,581	-7.5%	13,675	5.4%
RBOB CRACK SPREAD	RM	3,319	3,920	-15.3%	3,889	-14.7%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	60	-100.0%
RBOB GASOLINE BALMO CLNDR	1D	1,027	0	-	2,312	-55.6%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB (PLATTS) CAL SWAP	RY	0	0	-	0	-
RBOB SPREAD (PLATTS) SWAP	RI	33	92	-64.1%	38	-13.2%
RBOB UP-DOWN CALENDAR SWA	RV	0	10,194	-100.0%	0	-
RBOB VS HEATING OIL SWAP	RH	3,618	3,015	20.0%	4,018	-10.0%
ROCKIES KERN OPAL - NW IN	IR	0	910	-100.0%	0	-
SAN JUAN BASIS SWAP	NJ	37,628	17,014	121.2%	39,271	-4.2%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-
SINGAPORE 180CST BALMO	BS	0	113	-100.0%	35	-100.0%
SINGAPORE 380CST BALMO	BT	69	40	72.5%	174	-60.3%
SINGAPORE 380CST FUEL OIL	SE	14,896	7,860	89.5%	14,187	5.0%
SINGAPORE FUEL 180CST CAL	UA	2,589	1,595	62.3%	2,333	11.0%
SINGAPORE FUEL OIL SPREAD	SD	1,681	727	131.2%	1,472	14.2%
SINGAPORE GASOIL	MTB	238	155	53.5%	379	-37.2%
SINGAPORE GASOIL	MTS	6,757	5,169	30.7%	6,677	1.2%
SINGAPORE GASOIL	STL	0	100	-100.0%	0	-
SINGAPORE GASOIL	STZ	100	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	218	0	-	48	354.2%
SINGAPORE GASOIL SWAP	SG	20,764	3,868	436.8%	22,499	-7.7%
SINGAPORE GASOIL VS ICE	GA	23,393	2,895	708.0%	18,968	23.3%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	6,890	1,440	378.5%	6,110	12.8%
SINGAPORE JET KEROSENE SW	KS	2,365	1,901	24.4%	2,013	17.5%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	75	0	-	375	-80.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	21,865	12,150	80.0%	20,694	5.7%
SINGAPORE NAPHTHA BALMO	KU	0	0	-	0	-
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-
SING FUEL	MSD	10	0	-	5	100.0%

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Commodity		Open Interest JAN 2017	Open Interest JAN 2016	% CHG	Open Interest DEC 2017	% CHG
Energy Futures						
SOCAL BASIS SWAP	NS	0	0	-	0	-
SOCAL PIPE SWAP	XN	1,520	0	-	2,280	-33.3%
SONAT BASIS SWAP FUTURE	SZ	668	5,868	-88.6%	916	-27.1%
SOUTHERN NAT LA NAT GAS	M8	0	522	-100.0%	0	-
SOUTH STAR TEX OKLHM KNS	8Z	523	1,216	-57.0%	554	-5.6%
Sumas Basis Swap	NK	8,037	10,251	-21.6%	8,789	-8.6%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	668	1,706	-60.8%	761	-12.2%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	-	0	-
TC5 RAS TANURA TO YOKOHAM	TH	0	0	-	0	-
TCO BASIS SWAP	TC	24,790	48,381	-48.8%	26,585	-6.8%
TCO NG INDEX SWAP	Q1	0	2,928	-100.0%	248	-100.0%
TENN 800 LEG NAT GAS INDE	L4	0	1,911	-100.0%	0	-
TENNESSEE 500 LEG BASIS S	NM	843	2,134	-60.5%	936	-9.9%
TENNESSEE 800 LEG NG BASI	6Z	546	2,316	-76.4%	608	-10.2%
TENNESSEE ZONE 0 BASIS SW	NQ	1,504	1,032	45.7%	1,752	-14.2%
Tetco ELA Basis	TE	0	0	-	0	-
TETCO M-3 INDEX	IX	5,992	9,836	-39.1%	6,364	-5.8%
Tetco STX Basis	TX	1,791	3,047	-41.2%	1,915	-6.5%
TEXAS EASTERN ZONE M-3 BA	NX	23,102	18,372	25.7%	21,530	7.3%
TEXAS GAS ZONE1 NG BASIS	9F	13,260	15,623	-15.1%	13,948	-4.9%
TRANSCO ZONE 1 NG BASIS	8E	0	0	-	0	-
Transco Zone 3 Basis	CZ	6,959	9,904	-29.7%	7,300	-4.7%
TRANSCO ZONE4 BASIS SWAP	TR	25,690	38,598	-33.4%	22,821	12.6%
TRANSCO ZONE 4 NAT GAS IN	B2	0	310	-100.0%	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	8,454	5,131	64.8%	7,342	15.1%
TRANSCO ZONE 6 INDEX	IT	1,576	604	160.9%	1,824	-13.6%
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	0	-	0	-
UCM FUT	UCM	30	15	100.0%	50	-40.0%
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	21	245	-91.4%	36	-41.7%
ULSD 10PPM CIF VS ICE GAS	7V	0	35	-100.0%	0	-
ULSD UP-DOWN BALMO SWP	1L	7,295	1,510	383.1%	8,800	-17.1%
UP DOWN GC ULSD VS NMX HO	LT	50,228	47,623	5.5%	51,984	-3.4%
USGC UNL 87 CRACK SPREAD	RU	0	875	-100.0%	0	-
VENTURA NAT GAS PLATTS FIXED PRICE	DVA	0	0	-	0	-
WAHA BASIS	NW	12,050	15,408	-21.8%	12,360	-2.5%
WAHA INDEX SWAP FUTURE	IY	720	1,712	-57.9%	968	-25.6%
WESTERN RAIL DELIVERY PRB	QP	1,515	3,770	-59.8%	1,700	-10.9%
WTI-BRENT BULLET SWAP	BY	704	0	-	500	40.8%
WTI-BRENT CALENDAR SWAP	BK	46,637	88,281	-47.2%	49,622	-6.0%
WTI CALENDAR	CS	125,399	122,636	2.3%	125,487	-0.1%
WTS (ARGUS) VS WTI SWAP	FF	47,646	37,409	27.4%	48,137	-1.0%
WTS (ARGUS) VS WTI TRD MT	FH	2,470	3,830	-35.5%	2,435	1.4%
Energy Options						
1 MO GASOIL CAL SWAP SPR	GXA	0	100	-100.0%	0	-
APPALACHIAN COAL	6K	0	0	-	0	-
BRENT CALENDAR SWAP	BA	15,807	95,030	-83.4%	22,776	-30.6%
BRENT OIL LAST DAY	BE	3,482	5,378	-35.3%	2,670	30.4%
BRENT OIL LAST DAY	BZO	38,956	868	4,388.0%	60,893	-36.0%
BRENT OIL LAST DAY	OS	20,276	39,686	-48.9%	20,428	-0.7%
COAL API2 INDEX	CLA	2,285	10,925	-79.1%	1,320	73.1%



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Energy Options						
COAL API2 INDEX	CQA	2,120	44,900	-95.3%	2,100	1.0%
COAL API2 INDEX	MTC	75	0	-	25	200.0%
COAL API4 INDEX	RLA	0	100	-100.0%	0	-
COAL API4 INDEX	RQA	110	400	-72.5%	110	0.0%
COAL SWAP	CPF	80	385	-79.2%	0	-
COAL SWAP	RPF	850	2,610	-67.4%	810	4.9%
CRUDE OIL 1MO	WA	750,890	306,777	144.8%	676,972	10.9%
CRUDE OIL APO	AO	299,167	347,083	-13.8%	302,491	-1.1%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-
CRUDE OIL OUTRIGHTS	AH	150	5,750	-97.4%	350	-57.1%
CRUDE OIL OUTRIGHTS	DBP	0	3,570	-100.0%	210	-100.0%
CRUDE OIL PHY	CD	0	0	0.0%	0	0.0%
CRUDE OIL PHY	LC	68,758	119,153	-42.3%	66,991	2.6%
CRUDE OIL PHY	LO	2,582,541	2,938,191	-12.1%	2,457,680	5.1%
CRUDE OIL PHY	LO1	2,016	1,564	28.9%	2,127	-5.2%
CRUDE OIL PHY	LO2	330	22	1,400.0%	355	-7.0%
CRUDE OIL PHY	LO3	30	0	-	0	-
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	0	44	-100.0%	0	-
ELEC MISO PEAK	9T	0	880	-100.0%	0	-
ELECTRICITY OFF PEAK	N9P	0	0	-	0	-
ETHANOL	CE1	15	0	-	100	-85.0%
ETHANOL	CE3	300	0	-	300	0.0%
ETHANOL SWAP	CVR	15,839	10,993	44.1%	18,359	-13.7%
ETHANOL SWAP	GVR	2,988	3,572	-16.3%	3,125	-4.4%
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	0	-	10	-100.0%
GASOIL CRACK SPREAD AVG PRICE OPTIONS	3U	0	0	-	0	-
GASOLINE	GCE	0	0	-	456	-100.0%
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	-	0	0.0%
HEATING OIL PHY	LB	741	755	-1.9%	916	-19.1%
HEATING OIL PHY	OH	52,108	66,992	-22.2%	53,129	-1.9%
HENRY HUB FINANCIAL LAST	E7	11,365	6,393	77.8%	11,960	-5.0%
HO 1 MONTH CLNDR OPTIONS	FA	0	2,800	-100.0%	0	-
HUSTN SHIP CHNL PIPE SWP	PK	0	356	-100.0%	0	-
LLS CRUDE OIL	WJO	7,975	3,740	113.2%	8,700	-8.3%
MCCLOSKEY ARA ARGS COAL	MTO	820	4,620	-82.3%	905	-9.4%
MCCLOSKEY RCH BAY COAL	MFO	0	675	-100.0%	75	-100.0%
NATURAL GAS	G10	0	0	-	0	-
NATURAL GAS 12 M CSO FIN	G7	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	G4	61,925	21,980	181.7%	61,650	0.4%
NATURAL GAS 2 M CSO FIN	G2	600	0	-	100	500.0%
NATURAL GAS 3 M CSO FIN	G3	1,600	3,760	-57.4%	700	128.6%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	G6	9,100	3,000	203.3%	5,100	78.4%
NATURAL GAS OPTION ON CALENDAR STRP	6J	2,678	11,388	-76.5%	2,278	17.6%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	2,538,881	2,761,880	-8.1%	2,282,427	11.2%
NATURAL GAS PHY	ON	127,717	147,348	-13.3%	151,608	-15.8%
NATURAL GAS PHY	ON1	0	0	-	0	-

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Energy Options						
NATURAL GAS PHY	ON5	0	0	-	0	-
NG HH 3 MONTH CAL	IC	0	250	-100.0%	0	-
N ROCKIES PIPE SWAP	ZR	4,978	5,183	-4.0%	7,379	-32.5%
NY HARBOR HEAT OIL SWP	AT	35,414	64,593	-45.2%	38,746	-8.6%
NYISO ZONE G 5MW PEAK OPTIONS	9U	7,390	0	-	5,200	42.1%
NYMEX EUROPEAN GASOIL APO	F7	20	1,009	-98.0%	30	-33.3%
NYMEX EUROPEAN GASOIL OPT	F8	0	20	-100.0%	0	-
PETROCHEMICALS	4H	4,101	4,983	-17.7%	4,230	-3.0%
PETROCHEMICALS	4I	0	0	-	0	-
PETROCHEMICALS	4J	6,555	0	-	5,450	20.3%
PETROCHEMICALS	4K	460	0	-	690	-33.3%
PETROCHEMICALS	CPR	0	495	-100.0%	0	-
PETRO OUTRIGHT EURO	8H	0	150	-100.0%	0	-
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	6	-100.0%	0	-
PJM WES HUB PEAK CAL MTH	6OA	1,750	200	775.0%	580	201.7%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	4,800	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	10,485	0	-	10,683	-1.9%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-
RBOB CALENDAR SWAP	RA	1,143	2,024	-43.5%	117	876.9%
RBOB PHY	OB	11,975	35,187	-66.0%	6,231	92.2%
RBOB PHY	RF	20	30	-33.3%	0	-
ROTTERDAM 3.5%FUEL OIL CL	Q6	600	40	1,400.0%	610	-1.6%
SAN JUAN PIPE SWAP	PJ	4,812	1,868	157.6%	6,698	-28.2%
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	300	700	-57.1%	0	-
SHORT TERM NATURAL GAS	U02	0	0	-	0	-
SHORT TERM NATURAL GAS	U03	0	0	-	100	-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	-
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	-

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Energy Options						
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%
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	1,020	1,500	-32.0%	1,120	-8.9%
SOCAL PIPE SWAP	ZN	3,200	0	-	4,800	-33.3%
WTI 12 MONTH CALENDAR OPT	WZ	0	0	-	0	-
WTI-BRENT BULLET SWAP	BV	149,268	31,400	375.4%	97,545	53.0%
WTI CRUDE OIL 1 M CSO FI	7A	358,764	321,055	11.7%	395,136	-9.2%
Metals Futures						
COMEX GOLD	GC	401,586	374,497	7.2%	423,967	-5.3%
NYMEX HOT ROLLED STEEL	HR	12,422	21,719	-42.8%	13,287	-6.5%
NYMEX PLATINUM	PL	64,783	66,047	-1.9%	62,997	2.8%
PALLADIUM	PA	28,596	25,578	11.8%	23,829	20.0%
URANIUM	UX	4,275	4,385	-2.5%	4,451	-4.0%
COMEX SILVER	SI	187,630	158,711	18.2%	164,943	13.8%
COMEX E-Mini GOLD	QO	1,112	1,032	7.8%	1,972	-43.6%
COMEX E-Mini SILVER	QI	133	113	17.7%	161	-17.4%
COMEX COPPER	HG	292,253	200,688	45.6%	224,939	29.9%
COMEX MINY COPPER	QC	168	96	75.0%	86	95.3%
Aluminium MW Trans Prem Platts	AUP	35,145	25,812	36.2%	33,544	4.8%
ALUMINUM	A38	56	0	-	66	-15.2%
ALUMINUM	AEP	11,549	4,862	137.5%	5,963	93.7%
ALUMINUM	ALA	60	0	-	60	0.0%
ALUMINUM	ALI	1,152	92	1,152.2%	220	423.6%
ALUMINUM	EDP	7,272	0	-	7,483	-2.8%
ALUMINUM	MJP	6,296	1,408	347.2%	5,086	23.8%
COPPER	HGS	1,608	5,524	-70.9%	1,996	-19.4%
E-MICRO GOLD	MGC	3,690	1,332	177.0%	2,917	26.5%
FERROUS PRODUCTS	BUS	302	0	-	367	-17.7%
FERROUS PRODUCTS	SSF	0	0	-	0	-
GOLD	GPS	0	0	-	0	-
Gold Kilo	GCK	18	7	157.1%	25	-28.0%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FUTURES	PIO	880	0	-	946	-7.0%
IRON ORE 62 CHINA TSI FUTURES	TIO	17,504	24,349	-28.1%	19,371	-9.6%
LNDN ZINC	ZNC	5	48	-89.6%	3	66.7%
METALS	LED	0	0	-	0	-
SILVER	SIL	928	814	14.0%	851	9.0%
Metals Options						
COMEX COPPER	HX	4,381	2,593	69.0%	2,661	64.6%
COMEX GOLD	OG	914,378	990,833	-7.7%	953,182	-4.1%
COMEX SILVER	SO	111,063	100,572	10.4%	104,888	5.9%
COPPER	H4E	0	0	-	0	-
GOLD	OG1	1,250	641	95.0%	653	91.4%
GOLD	OG2	623	200	211.5%	41	1,419.5%
GOLD	OG3	44	0	-	0	-



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Metals Options					
GOLD	0	0	-	0	-
GOLD	0	0	0.0%	0	0.0%
IRON ORE 62 CHINA TSI CALL OPTION	10,946	13,835	-20.9%	13,283	-17.6%
IRON ORE 62 CHINA TSI PUT OPTION	2,700	22,846	-88.2%	8,092	-66.6%
NYMEX PLATINUM	6,694	3,980	68.2%	7,740	-13.5%
PALLADIUM	5,469	4,502	21.5%	2,652	106.2%
SILVER	11	0	-	0	-
SILVER	0	0	-	0	-
SILVER	0	0	-	0	-
SILVER	0	0	-	0	-
SILVER	0	0	0.0%	0	0.0%
TOTAL FUTURES GROUP					
Commodities and Alternative Investments Futures	18	78	-76.9%	19	-5.3%
Energy Futures	19,495,563	20,497,820	-4.9%	19,375,981	0.6%
Metals Futures	1,079,423	917,114	17.7%	999,530	8.0%
TOTAL FUTURES	20,575,004	21,415,012	-3.9%	20,375,530	1.0%
TOTAL OPTIONS GROUP					
Energy Options	7,225,130	7,444,661	-2.9%	6,810,651	6.1%
Metals Options	1,057,559	1,140,002	-7.2%	1,093,192	-3.3%
TOTAL OPTIONS	8,282,689	8,584,663	-3.5%	7,903,843	4.8%
TOTAL COMBINED					
Commodities and Alternative Investments	18	78	-76.9%	19	-5.3%
Energy	26,720,693	27,942,481	-4.4%	26,186,632	2.0%
Metals	2,136,982	2,057,116	3.9%	2,092,722	2.1%
GRAND TOTAL	28,857,693	29,999,675	-3.8%	28,279,373	2.0%

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