



CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2017	Open Interest APR 2016	% CHG	Open Interest MAR 2017	% CHG
Interest Rate Futures					
30-YR BOND	645,017	513,090	25.7%	632,384	2.0%
10-YR NOTE	3,232,357	2,689,202	20.2%	3,058,628	5.7%
5-YR NOTE	3,211,982	2,487,435	29.1%	2,982,596	7.7%
2-YR NOTE	1,383,120	1,046,599	32.2%	1,383,199	0.0%
FED FUND	1,649,265	958,305	72.1%	1,673,462	-1.4%
EURODOLLARS	13,253,945	10,184,171	30.1%	12,829,797	3.3%
5-YR SWAP RATE	26,076	30,347	-14.1%	27,152	-4.0%
2-YR SWAP RATE	0	76	-100.0%	0	-
10-YR SWAP RATE	29,832	25,213	18.3%	32,396	-7.9%
7-YR SWAP	0	0	-	0	-
1-MONTH EURODOLLAR	8,020	770	941.6%	4,043	98.4%
ULTRA T-BOND	735,458	621,932	18.3%	704,430	4.4%
30-YR SWAP RATE	1,078	1,294	-16.7%	880	22.5%
Ultra 10-Year Note	347,841	115,416	201.4%	337,406	3.1%
EURO 5YR BUNDLE	0	0	-	0	-
3YR BUNDLE	0	0	-	0	-
2YR BUNDLE	0	0	-	0	-
Interest Rate Options					
30-YR BOND	528,438	377,269	40.1%	498,630	6.0%
10-YR NOTE	3,021,980	2,088,958	44.7%	2,844,069	6.3%
5-YR NOTE	1,196,334	784,928	52.4%	1,343,529	-11.0%
2-YR NOTE	85,856	117,233	-26.8%	77,421	10.9%
FED FUND	2,876	22,681	-87.3%	2,876	0.0%
EURODOLLARS	25,629,889	27,219,103	-5.8%	21,971,635	16.6%
EURO MIDCURVE	17,950,331	9,504,372	88.9%	16,013,814	12.1%
ULTRA T-BOND	3,563	4,047	-12.0%	2,153	65.5%
Ultra 10-Year Note	194	400	-51.5%	1,806	-89.3%

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Equity Index Futures					
DJIA	0	0	-	0	-
MINI \$5 DOW	132,298	125,796	5.2%	128,693	2.8%
E-MINI S&P500	2,937,918	2,812,902	4.4%	2,833,526	3.7%
S&P 500	87,786	78,453	11.9%	77,282	13.6%
S&P 600 SMALLCAP EMINI	0	0	-	0	-
E-MINI MIDCAP	94,815	78,837	20.3%	90,156	5.2%
S&P 400 MIDCAP	0	0	-	0	-
S&P 500 GROWTH	18	20	-10.0%	19	-5.3%
S&P 500/VALUE	57,924	33,221	74.4%	53,047	9.2%
E-MINI RUSSELL 1000	332	20	1,560.0%	368	-9.8%
E-MINI NASDAQ 100	272,835	245,132	11.3%	238,856	14.2%
NASDAQ	0	0	-	0	-
NIKKEI 225 (\$) STOCK	39,112	35,868	9.0%	36,696	6.6%
NIKKEI 225 (YEN) STOCK	81,421	102,631	-20.7%	60,855	33.8%
DJ US REAL ESTATE	13,635	8,671	57.2%	13,169	3.5%
NASDAQ BIOTECH	324	0	-	324	0.0%
E-MICRO NIFTY	0	0	-	0	-
S&P CONSUMER DSCRTNRY SE	3,502	7,059	-50.4%	3,988	-12.2%
S&P HEALTH CARE SECTOR	8,396	3,705	126.6%	7,474	12.3%
S&P UTILITIES SECTOR	15,821	14,811	6.8%	12,556	26.0%
S&P CONSUMER STAPLES SECT	7,255	23,367	-69.0%	8,375	-13.4%
S&P TECHNOLOGY SECTOR	5,359	2,802	91.3%	5,252	2.0%
S&P INDUSTRIAL SECTOR	4,006	6,820	-41.3%	3,572	12.2%
S&P FINANCIAL SECTOR	13,086	5,655	131.4%	10,826	20.9%
S&P ENERGY SECTOR	6,029	1,918	214.3%	6,576	-8.3%
S&P MATERIALS SECTOR	3,710	1,387	167.5%	3,770	-1.6%
IBOVESPA INDEX	168	209	-19.6%	143	17.5%
E-MINI RUSSELL 1000 VALUE	1,167	787	48.3%	1,337	-12.7%
FT-SE 100	333	224	48.7%	146	128.1%
E-MINI RUSSELL 1000 GROWTH	352	38	826.3%	51	590.2%
E-MINI S&P REAL ESTATE SELE	2,565	0	-	2,156	19.0%
NIFTY 50	582	400	45.5%	1,586	-63.3%

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Equity Index Options					
DJIA	0	0	-	0	-
MINI \$5 DOW	6,350	15,414	-58.8%	6,378	-0.4%
E-MINI S&P500	1,506,796	2,917,441	-48.4%	1,131,567	33.2%
S&P 500	134,766	456,079	-70.5%	79,380	69.8%
E-MINI MIDCAP	0	0	-	0	-
E-MINI NASDAQ 100	40,961	66,312	-38.2%	44,416	-7.8%
NASDAQ	0	0	-	0	-
EOM S&P 500	37,246	178,521	-79.1%	18,810	98.0%
EOM EMINI S&P	642,793	548,639	17.2%	517,621	24.2%
EOW2 EMINI S&P 500	218,231	112,776	93.5%	218,604	-0.2%
EOW2 S&P 500	7,796	11,711	-33.4%	18,715	-58.3%
EOW1 EMINI S&P 500	457,452	343,719	33.1%	495,056	-7.6%
EOW1 S&P 500	79,338	39,311	101.8%	64,607	22.8%
EOW4 EMINI S&P 500	39,350	45,330	-13.2%	0	-
EOW3 EMINI S&P 500	1,216,566	262,876	362.8%	1,615,636	-24.7%
EOW3 S&P 500	182,003	112,127	62.3%	271,788	-33.0%
Metals Futures					
COMEX COPPER	248,692	178,814	39.1%	276,851	-10.2%
URANIUM	4,516	7,273	-37.9%	5,049	-10.6%
COMEX MINY COPPER	174	36	383.3%	130	33.8%
COMEX GOLD	474,139	553,560	-14.3%	419,515	13.0%
COMEX SILVER	200,033	201,872	-0.9%	217,076	-7.9%
NYMEX PLATINUM	67,693	64,072	5.7%	63,750	6.2%
NYMEX HOT ROLLED STEEL	11,858	21,914	-45.9%	12,733	-6.9%
PALLADIUM	36,731	22,801	61.1%	33,076	11.1%
E-MICRO GOLD	4,986	2,653	87.9%	4,499	10.8%
SILVER	578	564	2.5%	409	41.3%
COPPER	1,581	5,383	-70.6%	1,528	3.5%
FERROUS PRODUCTS	255	360	-29.2%	321	-20.6%
ALUMINUM	28,293	8,522	232.0%	29,882	-5.3%
GOLD	0	0	-	0	-
COMEX E-Mini GOLD	798	1,371	-41.8%	975	-18.2%
COMEX E-Mini SILVER	93	75	24.0%	121	-23.1%
IRON ORE 62 CHINA TSI FUTURE	19,025	24,071	-21.0%	18,448	3.1%
IRON ORE 58 CHINA TSI FUTURE	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FU	1,152	100	1,052.0%	1,312	-12.2%
Aluminium MW Trans Prem Platss	33,811	27,328	23.7%	34,556	-2.2%
Gold Kilo	17	143	-88.1%	6	183.3%
LNDN ZINC	5	0	-	0	-
METALS	0	0	-	0	-

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Metals Options					
COMEX COPPER	3,141	2,308	36.1%	2,646	18.7%
COMEX GOLD	984,047	1,153,395	-14.7%	978,852	0.5%
COMEX SILVER	105,294	131,206	-19.7%	108,239	-2.7%
NYMEX PLATINUM	4,790	5,902	-18.8%	2,748	74.3%
PALLADIUM	4,956	4,668	6.2%	3,496	41.8%
SILVER	11	0	0.0%	0	-
COPPER	0	0	-	0	-
GOLD	2,431	388	526.5%	1,877	29.5%
IRON ORE 62 CHINA TSI PUT OP	8,400	18,597	-54.8%	9,400	-10.6%
IRON ORE 62 CHINA TSI CALL O	13,201	18,616	-29.1%	12,006	10.0%
Energy Futures					
ETHANOL	4,750	4,824	-1.5%	5,100	-6.9%
ETHANOL FWD	180	132	36.4%	116	55.2%
MARS BLEND CRUDE OIL	2,559	1,215	110.6%	2,144	19.4%
HUSTN SHIP CHNL PIPE SWP	1,839	3,425	-46.3%	2,225	-17.3%
NATURAL GAS PHY	1,493,066	1,100,826	35.6%	1,383,409	7.9%
SOUTHERN NAT LA NAT GAS	0	0	-	0	-
COLUMBIA GULF MAIN NAT G	0	2,208	-100.0%	0	-
RBOB GASOLINE BALMO CLNDR	471	24	1,862.5%	343	37.3%
GASOLINE UP-DOWN BALMO SW	0	0	-	0	-
FUEL OIL (PLATS) CAR CN	0	81	-100.0%	0	-
FUEL OIL (PLATS) CAR CM	52	146	-64.4%	105	-50.5%
SINGAPORE MOGAS 92 UNLEAD	16,556	13,613	21.6%	18,327	-9.7%
ETHANOL T2 FOB ROTT INCL DU	4,100	3,600	13.9%	4,183	-2.0%
SINGAPORE MOGAS 92 UNLEAD	315	1,860	-83.1%	82	284.1%
JET AV FUEL (P) CAR FM ICE GA	21	19	10.5%	27	-22.2%
NY JET FUEL (PLATTS) HEAT OIL	0	0	-	0	-
PROPANE NON-LDH MB (OPIS) B	122	0	-	520	-76.5%
PROPANE NON-LDH MT. BEL (OF	28,099	27,613	1.8%	31,842	-11.8%
N ILLINOIS HUB DAILY	244	168	45.2%	186	31.2%
CINERGY HUB PEAK MONTH	288	414	-30.4%	288	0.0%
NO 2 UP-DOWN SPREAD CALEN	1,560	276	465.2%	1,535	1.6%
CIN HUB 5MW D AH O PK	362,840	350,680	3.5%	337,000	7.7%
NY 3.0% FUEL OIL (PLATTS	885	800	10.6%	535	65.4%
ARGUS LLS VS. WTI (ARG) T	12,872	12,675	1.6%	11,737	9.7%
TRANSCO ZONE 1 NG BASIS	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	248	1,000	-75.2%	464	-46.6%
NYISO ZONE A 5MW D AH PK	10,940	12,336	-11.3%	11,380	-3.9%
NEPOOL INTR HUB 5MW D AH	671,554	347,433	93.3%	652,163	3.0%
PJM COMED 5MW D AH O PK	68,925	254,140	-72.9%	103,035	-33.1%
NYISO ZONE A 5MW D AH O P	134,550	331,159	-59.4%	146,310	-8.0%
CHICAGO UNL GAS PL VS RBO	27	1,413	-98.1%	30	-10.0%
PREMIUM UNLEAD 10PPM FOB	14	53	-73.6%	5	180.0%
GASOIL 10P CRG CIF NW VS	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	135	78	73.1%	25	440.0%
PJM WESTHDA PEAK	47,338	73,870	-35.9%	50,990	-7.2%
PJM DAYTON DA PEAK	16,668	15,645	6.5%	18,098	-7.9%
PJM WESTH DA OFF-PEAK	833,902	1,345,764	-38.0%	898,582	-7.2%

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Energy Futures					
PJM PPL DA OFF-PEAK	0	46,085	-100.0%	0	-
PJM AECO DA OFF-PEAK	7,128	53,208	-86.6%	10,503	-32.1%
ULSD 10PPM CIF MED BALMO	0	35	-100.0%	0	-
GASOIL 0.1CIF MED VS ICE	45	5	800.0%	50	-10.0%
GASOIL 0.1 CIF VS ICE GAS	0	5	-100.0%	0	-
GASOIL 0.1 ROTTERDAM BARG	25	0	-	30	-16.7%
EUROPE NAPHTHA CALSWAP	2,901	1,468	97.6%	2,914	-0.4%
HENRY HUB SWING FUTURE	0	0	-	0	-
FL GAS ZONE 3 NAT GAS IND	0	0	-	0	-
GASOIL 0.1 CIF MED BALMO	0	0	-	0	-
BRENT BALMO SWAP	113	0	-	0	-
CIG ROCKIES NG INDEX SWA	720	0	-	720	0.0%
PJM PECO ZONE5MW PEAK CAL	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING	1,630	1,577	3.4%	2,601	-37.3%
N ROCKIES PIPE SWAP	426	729	-41.6%	456	-6.6%
GASOIL MINI CALENDAR SWAP	348	787	-55.8%	402	-13.4%
BRENT OIL LAST DAY	133,694	159,379	-16.1%	131,625	1.6%
SAN JUAN PIPE SWAP	0	0	-	0	-
EUROPEAN NAPHTHA BALMO	351	152	130.9%	398	-11.8%
EURO 3.5% FUEL OIL RDAM B	345	562	-38.6%	499	-30.9%
LLS (ARGUS) CALENDAR SWAP	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	160	1,645	-90.3%	227	-29.5%
GULF COAST ULSD CALENDAR	3,024	4,804	-37.1%	3,176	-4.8%
CENTERPOINT EAST INDEX	0	0	-	0	-
CENTERPOINT BASIS SWAP	15,644	21,836	-28.4%	16,400	-4.6%
WTI-BRENT CALENDAR SWAP	40,393	70,783	-42.9%	41,192	-1.9%
EURO GASOIL 10PPM VS ICE	252	823	-69.4%	263	-4.2%
BRENT CALENDAR SWAP	16,387	16,964	-3.4%	17,106	-4.2%
MINY HTG OIL	1	2	-50.0%	0	-
FUELOIL SWAP:CARGOES VS.B	914	1,483	-38.4%	1,013	-9.8%
DOMINION TRAN INC - APP I	2,920	8,136	-64.1%	2,920	0.0%
TENNESSEE ZONE 0 BASIS SW	972	1,520	-36.1%	1,032	-5.8%
PJM OFF-PEAK LMP SWAP FUT	888	3,292	-73.0%	944	-5.9%
AEP-DAYTON HUB OFF-PEAK M	450	1,275	-64.7%	500	-10.0%
AEP-DAYTON HUB DAILY	150	282	-46.8%	212	-29.2%
EASTERN RAIL DELIVERY CSX	1,229	2,742	-55.2%	1,301	-5.5%
HTG OIL	229	3,362	-93.2%	200	14.5%
EUROPE 3.5% FUEL OIL MED	711	1,309	-45.7%	907	-21.6%
WAHA INDEX SWAP FUTURE	0	5,426	-100.0%	248	-100.0%
EL PASO PERMIAN INDEX SWA	0	0	-	0	-
HEATING OIL PHY	419,910	388,421	8.1%	421,066	-0.3%
PJM MONTHLY	3,092	10,748	-71.2%	3,324	-7.0%
NY HARBOR HEAT OIL SWP	10,595	14,488	-26.9%	11,124	-4.8%
TCO BASIS SWAP	23,753	42,294	-43.8%	22,809	4.1%
DOMINION TRANSMISSION INC	57,756	42,256	36.7%	60,943	-5.2%
NYISO A	0	3,882	-100.0%	0	-
MINY NATURAL GAS	1,364	2,765	-50.7%	1,308	4.3%
TRANSCO ZONE 6 BASIS SWAP	7,465	5,697	31.0%	8,411	-11.2%
NYH NO 2 CRACK SPREAD CAL	9,397	13,672	-31.3%	9,433	-0.4%
JAPAN C&F NAPHTHA CRACK S	1,347	1,279	5.3%	1,095	23.0%
PERMIAN BASIS SWAP	17,946	18,161	-1.2%	18,902	-5.1%

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Energy Futures					
NY HARBOR RESIDUAL FUEL 1	5,147	7,253	-29.0%	5,380	-4.3%
GULF COAST NO.6 FUEL OIL	53,353	71,309	-25.2%	55,944	-4.6%
NGPL MID-CONTINENT	28,344	42,149	-32.8%	29,184	-2.9%
NYISO J	1,251	4,950	-74.7%	1,366	-8.4%
NYISO G	0	382	-100.0%	0	-
ARGUS PROPAN(SAUDI ARAMC	812	903	-10.1%	781	4.0%
JAPAN NAPHTHA BALMO SWAP	607	20	2,935.0%	30	1,923.3%
EUROPE JET KERO NWE CALSW	48	38	26.3%	36	33.3%
JET CIF NWE VS ICE	486	400	21.5%	452	7.5%
RBOB PHY	404,800	387,773	4.4%	389,241	4.0%
RBOB GAS	1,224	2,561	-52.2%	1,174	4.3%
GASOIL 0.1 CIF NWE VS ISE	0	0	-	0	-
NY1% VS GC SPREAD SWAP	6,165	6,061	1.7%	7,825	-21.2%
GULF COAST 3% FUEL OIL BA	1,226	980	25.1%	543	125.8%
EUROPE 3.5% FUEL OIL RDAM	10,941	8,444	29.6%	12,219	-10.5%
FUEL OIL NWE CRACK VS ICE	0	171	-100.0%	0	-
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-
TRANSCO ZONE 6 INDEX	1,712	3,082	-44.5%	1,960	-12.7%
SONAT BASIS SWAP FUTURE	490	4,348	-88.7%	550	-10.9%
PANHANDLE BASIS SWAP FUTU	32,822	42,899	-23.5%	34,969	-6.1%
NGPL MIDCONTINENT INDEX	0	4,280	-100.0%	0	-
DUBAI CRUDE OIL CALENDAR	18,275	2,336	682.3%	21,377	-14.5%
CRUDE OIL PHY	2,208,206	1,762,348	25.3%	2,240,224	-1.4%
CINERGY HUB OFF-PEAK MONT	128	608	-78.9%	132	-3.0%
ANR LOUISIANA BASIS SWAP	0	736	-100.0%	0	-
TRANSCO ZONE4 BASIS SWAP	21,952	39,390	-44.3%	23,116	-5.0%
FLORIDA GAS ZONE3 BASIS S	0	1,105	-100.0%	0	-
SINGAPORE NAPHTHA SWAP	0	0	-	0	-
SINGAPORE JET KEROSENE SW	3,035	2,044	48.5%	3,785	-19.8%
SINGAPORE 380CST FUEL OIL	15,169	8,594	76.5%	16,232	-6.5%
AEP-DAYTON HUB MTHLY	630	1,541	-59.1%	700	-10.0%
N ILLINOIS HUB MTHLY	180	420	-57.1%	200	-10.0%
ISO NEW ENGLAND OFF-PEAK	126	510	-75.3%	140	-10.0%
NYISO G OFF-PEAK	0	210	-100.0%	0	-
NYISO A OFF-PEAK	0	1,180	-100.0%	0	-
TC2 ROTTERDAM TO USAC 37K	0	0	-	0	-
EUROPE DATED BRENT SWAP	362	6,355	-94.3%	369	-1.9%
WESTERN RAIL DELIVERY PRB	1,240	3,465	-64.2%	1,445	-14.2%
NATURAL GAS PEN SWP	244,427	313,044	-21.9%	277,555	-11.9%
SINGAPORE GASOIL VS ICE	27,361	4,815	468.2%	28,341	-3.5%
JET BARGES VS ICE GASOIL	0	14	-100.0%	0	-
SOCAL PIPE SWAP	0	3,360	-100.0%	0	-
SINGAPORE 180CST BALMO	100	161	-37.9%	66	51.5%
MONT BELVIEU LDH PROPANE 5	104,772	122,510	-14.5%	109,507	-4.3%
MONT BELVIEU ETHANE 5 DECI	84,937	62,272	36.4%	87,457	-2.9%
MONT BELVIEU NORMAL BUTAN	38,968	33,085	17.8%	38,437	1.4%
WAHA BASIS	9,715	14,532	-33.1%	10,229	-5.0%
PREM UNL GAS 10PPM RDAM F	17	139	-87.8%	32	-46.9%
PREM UNL GAS 10PPM RDAM F	0	0	-	7	-100.0%
HENRY HUB SWAP	1,267,805	1,390,417	-8.8%	1,278,678	-0.9%
HENRY HUB BASIS SWAP	38,846	71,902	-46.0%	43,535	-10.8%

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CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2017	Open Interest APR 2016	% CHG	Open Interest MAR 2017	% CHG
Energy Futures					
CHICAGO ETHANOL SWAP	54,394	46,546	16.9%	56,875	-4.4%
PJM WESTH RT OFF-PEAK	2,486,980	3,968,290	-37.3%	2,167,840	14.7%
PJM JCPL DA OFF-PEAK	7,920	54,720	-85.5%	11,670	-32.1%
PJM DAYTON DA OFF-PEAK	201,628	193,665	4.1%	211,428	-4.6%
PJM AD HUB 5MW REAL TIME	687,058	1,351,889	-49.2%	730,389	-5.9%
NEPOOL SE MASS 5MW D AH P	0	0	-	0	-
ISO NEW ENGLAND PK LMP	153	539	-71.6%	170	-10.0%
CRUDE OIL	22,631	25,667	-11.8%	23,182	-2.4%
EUROPEAN NAPHTHA CRACK SP	10,481	9,977	5.1%	10,726	-2.3%
GASOIL CRACK SPREAD CALEN	21,056	7,190	192.9%	20,581	2.3%
ICE BRENT DUBAI SWAP	31,233	2,235	1,297.4%	20,433	52.9%
BRENT FINANCIAL FUTURES	1,131	7,169	-84.2%	1,101	2.7%
DEMARC SWING SWAP	0	0	-	0	-
NGPL MIDCONTINENT SWING S	0	0	-	0	-
GASOIL CALENDAR SWAP	75	187	-59.9%	65	15.4%
EURO 3.5% FUEL OIL SPREAD	1,907	846	125.4%	2,219	-14.1%
NYMEX ALUMINUM FUTURES	880	1,182	-25.5%	1,064	-17.3%
NY HARBOR RESIDUAL FUEL C	0	0	-	0	-
GULF COAST JET VS NYM 2 H	33,118	34,763	-4.7%	36,351	-8.9%
SOCAL BASIS SWAP	0	0	-	0	-
SAN JUAN BASIS SWAP	32,405	28,197	14.9%	34,355	-5.7%
EUROPE 1% FUEL OIL RDAM C	16	137	-88.3%	10	60.0%
GULF COAST GASOLINE CLNDR	0	0	-	0	-
Transco Zone 3 Basis	6,282	8,404	-25.2%	6,310	-0.4%
Tetco STX Basis	1,465	3,388	-56.8%	1,555	-5.8%
COLUMBIA GULF ONSHORE	11,515	24,627	-53.2%	12,925	-10.9%
PJM DAILY	758	810	-6.4%	606	25.1%
CIG BASIS	40,111	42,010	-4.5%	42,327	-5.2%
NORTHERN NATURAL GAS VENTL	4,116	4,206	-2.1%	4,504	-8.6%
TEXAS EASTERN ZONE M-3 BA	19,167	23,857	-19.7%	21,027	-8.8%
MICHIGAN BASIS	10,259	11,956	-14.2%	10,919	-6.0%
ANR OKLAHOMA	3,052	6,293	-51.5%	3,262	-6.4%
LA JET FUEL VS NYM NO 2 H	0	612	-100.0%	25	-100.0%
RBOB UP-DOWN CALENDAR SW	0	0	-	0	-
RBOB CALENDAR SWAP	10,847	12,122	-10.5%	10,643	1.9%
MINY RBOB GAS	0	0	-	0	-
GAS EURO-BOB OXY NWE BARG	6,065	8,067	-24.8%	5,723	6.0%
GAS EURO-BOB OXY NWE BARG	33,101	34,432	-3.9%	29,810	11.0%
PETRO OUTRIGHT EURO	16,583	18,191	-8.8%	17,599	-5.8%
DATED BRENT (PLATTS) DAILY S	0	0	-	0	-
LA CARBOB GASOLINE(OPIS)S	150	1,100	-86.4%	200	-25.0%
EURO PROPANE CIF ARA SWA	1,139	1,546	-26.3%	1,323	-13.9%
GASOIL BULLET SWAP	0	0	-	0	-
NEW YORK ETHANOL SWAP	645	3,075	-79.0%	730	-11.6%
LA CARB DIESEL (OPIS)	39	143	-72.7%	52	-25.0%
DEMARC INDEX FUTURE	0	0	-	0	-
WTI CALENDAR	130,805	131,378	-0.4%	129,462	1.0%
APPALACHIAN COAL (PHY)	0	60	-100.0%	0	-
ROCKIES KERN OPAL - NW IN	0	736	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	1,122	1,545	-27.4%	1,331	-15.7%
HOUSTON SHIP CHANNEL INDE	0	0	-	0	-

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
NORTHERN NATURAL GAS DEMA	2,686	2,051	31.0%	2,758	-2.6%
TENNESSEE 500 LEG BASIS S	734	1,774	-58.6%	1,094	-32.9%
EAST/WEST FUEL OIL SPREAD	964	360	167.8%	876	10.0%
NYISO J OFF-PEAK	270	858	-68.5%	300	-10.0%
TC5 RAS TANURA TO YOKOHAM	0	15	-100.0%	0	-
WTI-BRENT BULLET SWAP	904	0	-	904	0.0%
EURO GASOIL 10 CAL SWAP	0	0	-	0	-
HENRY HUB INDEX SWAP FUTU	30,126	46,620	-35.4%	30,153	-0.1%
Sumas Basis Swap	7,802	10,885	-28.3%	8,414	-7.3%
RBOB CRACK SPREAD	2,079	5,246	-60.4%	2,034	2.2%
CIN HUB 5MW D AH PK	18,395	22,080	-16.7%	16,931	8.6%
TEXAS GAS ZONE1 NG BASIS	11,228	15,173	-26.0%	11,904	-5.7%
SINGAPORE GASOIL SWAP	18,743	7,528	149.0%	19,863	-5.6%
GULF COAST JET FUEL CLNDR	1,081	894	20.9%	1,071	0.9%
ULSD 10PPM CIF MED VS ICE	33	84	-60.7%	21	57.1%
PJM BGE DA OFF-PEAK	33,552	38,232	-12.2%	33,927	-1.1%
SINGAPORE 380CST BALMO	307	103	198.1%	158	94.3%
LTD NAT GAS	372,418	270,780	37.5%	377,909	-1.5%
NORTHWEST ROCKIES BASIS S	60,325	81,415	-25.9%	63,077	-4.4%
SING FUEL	10	5	100.0%	15	-33.3%
CIN HUB 5MW REAL TIME O P	583,048	950,600	-38.7%	622,688	-6.4%
NYISO ZONE C 5MW D AH PK	0	955	-100.0%	0	-
NEPOOL NE MASS 5MW D AH O	0	0	-	0	-
NEPOOL NE MASS 5MW D AH P	0	640	-100.0%	0	-
NEPOOL SE MASS 5MW D AH O	0	0	-	0	-
NEPOOL CNCTCT 5MW D AH O	3,561	16,621	-78.6%	3,936	-9.5%
NEPOOL CONECTIC 5MW D AH	190	889	-78.6%	213	-10.8%
NEPOOL W CNT MASS 5MW D A	7,122	43,092	-83.5%	7,872	-9.5%
PJM COMED 5MW D AH PK	3,695	15,530	-76.2%	5,685	-35.0%
NYISO ZONE J 5MW D AH O P	301,261	140,485	114.4%	279,821	7.7%
NYISO ZONE J 5MW D AH PK	18,311	13,867	32.0%	17,498	4.6%
PJM NI HUB 5MW REAL TIME	1,407,774	1,330,682	5.8%	1,649,380	-14.6%
NYISO ZONE C 5MW D AH O P	0	17,725	-100.0%	0	-
ONEOK OKLAHOMA NG BASIS	1,295	4,021	-67.8%	1,325	-2.3%
COLUMB GULF MAINLINE NG B	14,152	37,926	-62.7%	15,350	-7.8%
PANHANDLE PIPE SWAP	864	0	-	864	0.0%
TRANSCO ZONE 4 NAT GAS IN	465	496	-6.2%	0	-
ELEC MISO PEAK	975	2,735	-64.4%	1,067	-8.6%
ELEC NYISO OFF-PEAK	14,244	50,689	-71.9%	15,744	-9.5%
WTS (ARGUS) VS WTI SWAP	49,104	29,816	64.7%	47,802	2.7%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-
CAISO SP15 EZGNHUB5 MW P	5,150	0	-	6,450	-20.2%
NY 2.2% FUEL OIL (PLATTS	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	3,986	5,524	-27.8%	4,351	-8.4%
JET FUEL UP-DOWN BALMO CL	5,893	4,073	44.7%	10,656	-44.7%
ULSD UP-DOWN BALMO SWP	2,665	4,625	-42.4%	3,685	-27.7%
EUROPEAN GASOIL (ICE)	2,504	2,905	-13.8%	2,852	-12.2%
NYISO ZONE G 5MW D AH O P	363,509	352,349	3.2%	348,341	4.4%
PJM PEPSCO DA OFF-PEAK	0	0	-	0	-
NY H OIL PLATTS VS NYMEX	0	4	-100.0%	0	-
GASOIL 10PPM VS ICE SWAP	905	176	414.2%	954	-5.1%

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CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2017	Open Interest APR 2016	% CHG	Open Interest MAR 2017	% CHG
Energy Futures					
NY HARBOR 1% FUEL OIL BAL	25	0	-	0	-
LA JET (OPIS) SWAP	2,315	2,342	-1.2%	2,070	11.8%
PJM AECO DA PEAK	378	2,883	-86.9%	585	-35.4%
GASOIL 10PPM CARGOES CIF	0	0	-	0	-
TETCO M-3 INDEX	5,992	10,098	-40.7%	5,992	0.0%
SINGAPORE JET KERO GASOIL	6,230	3,280	89.9%	7,085	-12.1%
SINGAPORE FUEL OIL SPREAD	1,694	1,058	60.1%	1,590	6.5%
NORTHERN ILLINOIS OFF-PEA	0	740	-100.0%	0	-
NEW YORK HUB ZONE G PEAK	1,364	2,342	-41.8%	1,550	-12.0%
SINGAPORE FUEL 180CST CAL	2,147	2,024	6.1%	2,290	-6.2%
EUROPE 1% FUEL OIL NWE CA	209	430	-51.4%	260	-19.6%
Tetco ELA Basis	0	0	-	0	-
ULSD 10PPM CIF MED SWAP	5	42	-88.1%	0	-
GASOIL 0.1 CIF MED SWAP	0	20	-100.0%	0	-
MICHCON NG INDEX SWAP	0	0	-	0	-
TRANSCO ZONE 3 NG INDEX S	6,256	0	-	0	-
TCO NG INDEX SWAP	0	2,200	-100.0%	0	-
ALGONQUIN CITYGATES BASIS	1,620	2,259	-28.3%	1,800	-10.0%
PJM WESTH RT PEAK	146,990	224,367	-34.5%	153,990	-4.5%
PJM PSEG DA OFF-PEAK	120,960	140,400	-13.8%	122,835	-1.5%
PJM PSEG DA PEAK	5,100	5,100	0.0%	5,100	0.0%
PJM PPL DA PEAK	0	2,483	-100.0%	0	-
PJM JCPL DA PEAK	420	2,970	-85.9%	650	-35.4%
PJM BGE DA PEAK	1,827	2,082	-12.2%	1,850	-1.2%
JET FUEL BRG FOB RDM VS I	0	0	-	0	-
DATED TO FRONTLINE BRENT	8,605	9,463	-9.1%	8,745	-1.6%
NEPOOL W CNTR M 5MW D AH	480	4,008	-88.0%	641	-25.1%
TENNESSEE 800 LEG NG BASI	368	1,716	-78.6%	428	-14.0%
UP DOWN GC ULSD VS NMX HO	44,727	68,126	-34.3%	42,543	5.1%
USGC UNL 87 CRACK SPREAD	0	0	-	0	-
GULF COAST ULSD CRACK SPR	2,248	7,926	-71.6%	2,473	-9.1%
NYMEX ULSD VS NYMEX HO	0	375	-100.0%	0	-
RBOB VS HEATING OIL SWAP	4,261	2,796	52.4%	4,750	-10.3%
NYISO ZONE G 5MW D AH PK	22,771	22,883	-0.5%	22,310	2.1%
GASOIL 0.1 BRGS FOB VS IC	0	5	-100.0%	0	-
ULSD 10PPM CIF VS ICE GAS	0	0	-	0	-
SINGAPORE NAPHTHA BALMO	0	0	-	0	-
ARGUS PROPAN FAR EST INDE	1,677	1,842	-9.0%	1,747	-4.0%
3.5% FUEL OIL CID MED SWA	607	1,117	-45.7%	732	-17.1%
JET FUEL CRG CIF NEW VS I	0	0	-	0	-
BRENT CFD SWAP	0	0	-	0	-
GASOIL 0.1 CRG CIF NW VS	0	0	-	0	-
PREMIUM UNLD 10P FOB MED	110	617	-82.2%	150	-26.7%
EURO 1% FUEL OIL NEW BALM	5	0	-	0	-
DUBAI CRUDE OIL BALMO	0	0	-	0	-
SINGAPORE JET KERO BALMO	0	0	-	0	-
WTS (ARGUS) VS WTI TRD MT	1,285	3,790	-66.1%	1,720	-25.3%
MARS (ARGUS) VS WTI TRD M	23,416	7,732	202.8%	23,852	-1.8%
MARS (ARGUS) VS WTI SWAP	12,199	14,925	-18.3%	13,403	-9.0%
GASOIL 0.1 CARGOES CIF NE	0	0	-	0	-
NATURAL GAS	122,843	104,005	18.1%	124,313	-1.2%

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
NGPL TEXOK INDEX	0	0	-	0	-
FUEL OIL CRACK VS ICE	20,392	19,710	3.5%	20,445	-0.3%
HEATING OIL VS ICE GASOIL	0	0	-	0	-
HOUSTON SHIP CHANNEL BASI	22,299	24,808	-10.1%	22,471	-0.8%
LLS (ARGUS) VS WTI SWAP	27,433	39,236	-30.1%	26,860	2.1%
JAPAN C&F NAPHTHA SWAP	2,407	1,516	58.8%	1,801	33.6%
MINY WTI CRUDE OIL	4,150	4,715	-12.0%	4,375	-5.1%
CIN HUB 5MW REAL TIME PK	48,821	51,571	-5.3%	48,540	0.6%
PJM NILL DA PEAK	61,039	29,834	104.6%	50,615	20.6%
PANHANDLE INDEX SWAP FUTU	0	0	-	0	-
PJM NILL DA OFF-PEAK	1,330,781	558,070	138.5%	993,883	33.9%
PETROCHEMICALS	8,343	7,626	9.4%	8,612	-3.1%
IN DELIVERY MONTH EUA	10,598	47,750	-77.8%	10,748	-1.4%
MONT BELVIEU NORMAL BUTAN	405	165	145.5%	1,635	-75.2%
MONT BELVIEU NATURAL GASO	155	168	-7.7%	210	-26.2%
CONWAY NORMAL BUTANE (OPI	3,057	405	654.8%	2,410	26.8%
CONWAY PROPANE 5 DECIMALS	13,750	17,524	-21.5%	14,340	-4.1%
MONT BELVIEU NATURAL GASO	10,909	16,356	-33.3%	12,686	-14.0%
CONWAY NATURAL GASOLINE (905	695	30.2%	933	-3.0%
MONT BELVIEU LDH PROPANE C	1,366	107	1,176.6%	774	76.5%
MONT BELVIEU ETHANE OPIS B	200	65	207.7%	75	166.7%
SINGAPORE JET KERO VS. GAS	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW PE	0	1,190	-100.0%	400	-100.0%
ERCOT NORTH ZMCPE 5MW OF	0	15,805	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OF	0	600	-100.0%	0	-
RBOB (PLATTS) CAL SWAP	0	0	-	0	-
PJM DUQUESNE 5MW D AH PK	0	0	-	0	-
PJM DUQUS 5MW D AH O PK	0	0	-	0	-
GRP THREE ULSD(PLT)VS HEA	7,272	6,090	19.4%	5,303	37.1%
GRP THREE UNL GS (PLT) VS	3,485	4,656	-25.2%	3,775	-7.7%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
CHICAGO ULSD PL VS HO SPR	1,512	2,227	-32.1%	1,519	-0.5%
PETRO CRK&SPRD EURO	18,947	17,092	10.9%	19,631	-3.5%
CRUDE OIL OUTRIGHTS	41,205	16,781	145.5%	32,891	25.3%
PJM WES HUB PEAK LMP 50 M	0	0	-	0	-
FREIGHT MARKETS	934	822	13.6%	998	-6.4%
MCCLOSKEY ARA ARGS COAL	71,156	130,144	-45.3%	72,640	-2.0%
MNC FUT	5,211	5,046	3.3%	4,871	7.0%
MCCLOSKEY RCH BAY COAL	12,545	29,214	-57.1%	13,771	-8.9%
CRUDE OIL SPRDS	28,612	5,768	396.0%	24,920	14.8%
ELEC FINSETTLED	2,484	3,759	-33.9%	2,599	-4.4%
ELECTRICITY OFF PEAK	45,869	69,269	-33.8%	47,744	-3.9%
PETRO OUTRIGHT NA	18,367	12,637	45.3%	20,036	-8.3%
TRANSCO ZONE 6 PIPE SWAP	0	0	-	0	-
ALGON CITY GATES NAT GAS	1,712	1,712	0.0%	1,960	-12.7%
NEPOOL NEW HAMP 5MW D AH	0	0	-	0	-
PJM APS ZONE DA OFF-PEAK	0	10,635	-100.0%	0	-
NAT GAS BASIS SWAP	11,257	7,933	41.9%	11,855	-5.0%
RBOB SPREAD (PLATTS) SWAP	24	80	-70.0%	27	-11.1%
NGPL TEX/OK	33,156	58,142	-43.0%	35,586	-6.8%
NEPOOL RHD ISLD 5MW D AH	950	7,897	-88.0%	1,226	-22.5%

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
HEATING OIL BALMO CLNDR S	195	45	333.3%	175	11.4%
PJM APS ZONE DA PEAK	0	573	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	970	140	592.9%	740	31.1%
GC ULSD VS GC JET SPREAD	0	0	-	0	-
ELEC ERCOT OFF PEAK	0	0	-	0	-
ELEC ERCOT DLY PEAK	120	42	185.7%	60	100.0%
PETROLEUM PRODUCTS ASIA	2,380	2,046	16.3%	2,210	7.7%
PETRO CRCKS & SPRDS NA	83,553	88,216	-5.3%	81,857	2.1%
SINGAPORE GASOIL	10,461	5,650	85.2%	10,774	-2.9%
ONTARIO POWER SWAPS	34,150	127,423	-73.2%	37,670	-9.3%
PLASTICS	1,501	1,849	-18.8%	1,433	4.7%
MJC FUT	285	353	-19.3%	323	-11.8%
TENN 800 LEG NAT GAS INDE	0	1,037	-100.0%	0	-
NEPOOL RHODE IL 5MW D AH	17,805	121,255	-85.3%	22,305	-20.2%
PETROLEUM PRODUCTS	5,821	592	883.3%	6,664	-12.7%
PJM ATSI ELEC	82,690	24,675	235.1%	84,680	-2.4%
COAL SWAP	345	474	-27.2%	280	23.2%
MGN1 SWAP FUT	494	641	-22.9%	474	4.2%
PETRO CRCKS & SPRDS ASIA	64	225	-71.6%	319	-79.9%
INDIANA MISO	32,644	67,112	-51.4%	27,672	18.0%
MICHIGAN MISO	180,520	234,740	-23.1%	198,705	-9.2%
NYISO CAPACITY	3,380	4,608	-26.6%	3,890	-13.1%
GROUP THREE ULSD (PLATTS)	225	0	-	250	-10.0%
EURO-DENOMINATED PETRO P	440	0	-	0	-
AUSTRALIAN COKE COAL	806	820	-1.7%	896	-10.0%
DAILY PJM	319,647	261,780	22.1%	296,391	7.8%
EMMISSIONS	0	0	-	0	-
UCM FUT	55	75	-26.7%	41	34.1%
INDONESIAN COAL	0	45	-100.0%	0	-
NEW YORK HUB ZONE J PEAK	803	971	-17.3%	851	-5.6%
DLY GAS EURO-BOB OXY	0	0	-	0	-
NATURAL GAS INDEX	1,336	610	119.0%	1,708	-21.8%
MGF FUT	163	100	63.0%	148	10.1%
CHICAGO ULSD (PLATTS) SWA	0	27	-100.0%	0	-
NATURAL GAS FIXED PRICE SW	900	6,429	-86.0%	1,080	-16.7%
3.5% FUEL OIL CIF BALMO S	50	20	150.0%	5	900.0%
MINI RBOB V. EBOB(ARGUS) NW	3,097	1,833	69.0%	2,688	15.2%
SUMAS NAT GAS PLATTS FIXED	490	1,527	-67.9%	550	-10.9%
NY HARBOR LOW SULPUR GAS	1,440	1,275	12.9%	1,522	-5.4%
DY EURO 3.5% FUEL OI RDA	0	0	-	0	-
DIESEL10PPM BARG VS ICE LS	0	0	-	0	-
VENTURA NAT GAS PLATTS FIX	0	0	-	0	-
COLUMBIA GULF NAT GAS FIXE	0	0	-	0	-
MJB FUT	0	0	-	0	-
CENTER POINT NAT GAS FIXED	0	0	-	0	-
MINI RBOB V. EBOBARG NWE BF	188	0	-	0	-
ELEC ERCOT DLY OFF PK	0	0	-	0	-
EU LOW SULPHUR GASOIL CRA	0	0	-	0	-
CANADIAN LIGHT SWEET OIL	6,564	3,835	71.2%	7,480	-12.2%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
MINI GAS EUROBOB OXY NWE A	479	375	27.7%	438	9.4%

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
ELEC WEST POWER PEAK	1,300	0	-	2,600	-50.0%
CAISO SP15 EZGNHUB5 PEAK	1,850	0	-	1,250	48.0%
ELEC WEST POWER OFF-PEAK	1,550	0	-	1,250	24.0%
Energy Options					
ETHANOL	310	25	1,140.0%	305	1.6%
EUROPEAN JET KEROSENE NW	0	60	-100.0%	0	-
HUSTN SHIP CHNL PIPE SWP	0	0	-	0	-
NATURAL GAS PHY	2,626,450	2,891,483	-9.2%	2,689,054	-2.3%
NATURAL GAS 3 M CSO FIN	13,376	33,235	-59.8%	9,150	46.2%
NATURAL GAS 1 M CSO FIN	82,050	5,500	1,391.8%	30,600	168.1%
WTI CRUDE OIL 1 M CSO FI	296,438	384,625	-22.9%	312,764	-5.2%
SINGAPORE JET FUEL CALEND	630	1,200	-47.5%	760	-17.1%
ROTTERDAM 3.5%FUEL OIL CL	420	270	55.6%	480	-12.5%
NYMEX EUROPEAN GASOIL APO	0	405	-100.0%	0	0.0%
N ROCKIES PIPE SWAP	4,230	4,590	-7.8%	3,780	11.9%
BRENT OIL LAST DAY	60,450	55,923	8.1%	87,152	-30.6%
SAN JUAN PIPE SWAP	3,824	1,310	191.9%	3,642	5.0%
BRENT CALENDAR SWAP	14,157	55,747	-74.6%	15,351	-7.8%
HEATING OIL PHY	54,730	75,640	-27.6%	51,075	7.2%
PJM MONTHLY	0	0	-	0	-
NY HARBOR HEAT OIL SWP	28,852	46,151	-37.5%	28,920	-0.2%
NG HH 3 MONTH CAL	0	250	-100.0%	0	-
RBOB PHY	28,239	41,325	-31.7%	17,712	59.4%
RBOB 1MO CAL SPD OPTIONS	0	1,350	-100.0%	0	-
NYMEX EUROPEAN GASOIL OPT	0	0	-	0	-
PGE CITYGATE PIPE SWAP	0	0	-	0	-
CRUDE OIL PHY	3,163,350	3,149,505	0.4%	3,022,813	4.6%
WTI 12 MONTH CALENDAR OPT	0	0	-	0	-
CRUDE OIL 1MO	731,165	481,163	52.0%	775,585	-5.7%
SOCAL PIPE SWAP	0	6,000	-100.0%	0	-
HENRY HUB FINANCIAL LAST	10,569	5,914	78.7%	10,445	1.2%
HO 1 MONTH CLNDR OPTIONS	1,300	800	62.5%	0	-
CRUDE OIL APO	299,347	305,926	-2.2%	290,847	2.9%
RBOB CALENDAR SWAP	1,551	1,207	28.5%	1,179	31.6%
PETRO OUTRIGHT EURO	300	75	300.0%	300	0.0%
WTI-BRENT BULLET SWAP	146,400	10,500	1,294.3%	157,620	-7.1%
PANHANDLE PIPE SWAP	2,880	0	-	2,880	0.0%
NATURAL GAS OPTION ON CALE	6,078	14,186	-57.2%	5,958	2.0%
ELEC MISO PEAK	0	420	-100.0%	0	-
SINGAPORE FUEL OIL 180 CS	0	0	-	0	-
NATURAL GAS	250	0	-	0	-
NYISO ZONE G 5MW PEAK OPTI	14,910	0	-	14,910	0.0%
PETROCHEMICALS	7,769	10,565	-26.5%	8,420	-7.7%
PJM CALENDAR STRIP	0	0	-	0	-
APPALACHIAN COAL	0	0	-	0	-
CRUDE OIL OUTRIGHTS	150	2,340	-93.6%	150	0.0%
MCCLOSKEY ARA ARGS COAL	1,020	4,320	-76.4%	1,070	-4.7%
MCCLOSKEY RCH BAY COAL	0	1,800	-100.0%	0	-

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CME Group Exchange Open Interest Report - Monthly

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Energy Options					
ELEC FINSETTLED	0	105	-100.0%	0	-
ELECTRICITY OFF PEAK	0	0	-	0	-
NATURAL GAS 5 M CSO FIN	0	0	-	2,325	-100.0%
HEATING OIL CRK SPD AVG PRI	0	0	-	0	-
NATURAL GAS 2 M CSO FIN	1,750	0	-	1,850	-5.4%
CRUDE OIL CALNDR STRIP	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	225	300	-25.0%	250	-10.0%
ETHANOL SWAP	12,162	14,860	-18.2%	12,703	-4.3%
NATURAL GAS 6 M CSO FIN	0	0	-	0	-
GASOIL CRACK SPREAD AVG PR	0	0	-	0	-
SHORT TERM NATURAL GAS	400	800	-50.0%	40	900.0%
SHORT TERM	0	0	-	0	-
COAL SWAP	665	2,239	-70.3%	665	0.0%
COAL API2 INDEX	4,822	75,500	-93.6%	4,330	11.4%
EURO-DENOMINATED PETRO P	0	0	-	0	-
COAL API4 INDEX	0	805	-100.0%	0	-
SHORT TERM CRUDE OIL	0	0	-	0	-
NATURAL GAS 12 M CSO FIN	0	0	-	0	-
DAILY CRUDE OIL	0	0	-	0	-
PJM WES HUB PEAK LMP 50MW	16,606	1,364	1,117.4%	15,463	7.4%
LLS CRUDE OIL	10,300	6,045	70.4%	11,025	-6.6%
PJM WES HUB PEAK CAL MTH	2,720	10,500	-74.1%	2,340	16.2%
PJM ELECTRIC	0	0	-	0	-
1 MO GASOIL CAL SWAP SPR	0	100	-100.0%	0	-
GASOLINE	0	456	-100.0%	0	-
FX Futures					
AUSTRALIAN DOLLAR	110,405	151,239	-27.0%	137,605	-19.8%
BRITISH POUND	264,173	246,944	7.0%	246,071	7.4%
BRAZIL REAL	36,852	43,382	-15.1%	32,502	13.4%
CANADIAN DOLLAR	183,541	123,575	48.5%	122,558	49.8%
E-MINI EURO FX	12,272	7,455	64.6%	9,840	24.7%
EURO FX	413,751	363,978	13.7%	402,816	2.7%
E-MINI JAPANESE YEN	7,481	1,593	369.6%	7,239	3.3%
JAPANESE YEN	200,646	162,931	23.1%	195,473	2.6%
MEXICAN PESO	178,717	111,972	59.6%	198,361	-9.9%
NEW ZEALND DOLLAR	44,394	35,286	25.8%	39,456	12.5%
NKR/USD CROSS RATE	1,267	964	31.4%	1,261	0.5%
RUSSIAN RUBLE	46,332	27,081	71.1%	35,197	31.6%
S.AFRICAN RAND	18,056	3,359	437.5%	26,736	-32.5%
SWISS FRANC	45,754	41,195	11.1%	38,298	19.5%
AD/CD CROSS RATES	3	1	200.0%	4	-25.0%
AD/JY CROSS RATES	889	488	82.2%	887	0.2%
AD/NE CROSS RATES	26	43	-39.5%	22	18.2%
BP/JY CROSS RATES	1,010	364	177.5%	472	114.0%
BP/SF CROSS RATES	69	5	1,280.0%	4	1,625.0%
CD/JY CROSS RATES	46	0	-	40	15.0%
EC/AD CROSS RATES	3,614	803	350.1%	4,533	-20.3%
EC/CD CROSS RATES	1,803	886	103.5%	1,279	41.0%

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CME Group Exchange Open Interest Report - Monthly

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FX Futures					
EC/NOK CROSS RATES	38	1	3,700.0%	34	11.8%
EC/SEK CROSS RATES	435	282	54.3%	396	9.8%
EFX/BP CROSS RATES	32,783	30,483	7.5%	35,703	-8.2%
EFX/JY CROSS RATES	16,967	8,351	103.2%	16,023	5.9%
EFX/SF CROSS RATES	10,825	16,964	-36.2%	13,157	-17.7%
SF/JY CROSS RATES	0	0	-	0	-
SKR/USD CROSS RATES	1,514	996	52.0%	1,294	17.0%
HUNGARIAN FORINT (US)	0	0	-	0	-
POLISH ZLOTY (US)	52	222	-76.6%	43	20.9%
POLISH ZLOTY (EC)	13	1,393	-99.1%	2	550.0%
SHEKEL	0	0	-	0	-
RMB USD	70	511	-86.3%	72	-2.8%
KOREAN WON	14	21	-33.3%	26	-46.2%
TURKISH LIRA	2,392	3	79,633.3%	1,373	74.2%
TURKISH LIRA (EU)	0	0	-	0	-
E-MICRO EUR/USD	4,102	6,866	-40.3%	4,453	-7.9%
E-MICRO GBP/USD	2,922	2,064	41.6%	2,629	11.1%
E-MICRO USD/CAD	0	0	-	0	-
E-MICRO USD/CHF	0	1	-100.0%	0	-
E-MICRO USD/JPY	0	10	-100.0%	0	-
E-MICRO AUD/USD	2,371	3,084	-23.1%	1,720	37.8%
MICRO CHF/USD	143	1,157	-87.6%	223	-35.9%
INDIAN RUPEE	918	487	88.5%	960	-4.4%
E-MICRO INR/USD	124	159	-22.0%	417	-70.3%
E-MICRO JPY/USD	1,078	3,545	-69.6%	1,195	-9.8%
CHINESE RENMINBI (CNH)	1,506	3,024	-50.2%	1,436	4.9%
USDZAR	0	0	-	0	-
FCXRX	48	0	-	9	433.3%
E-MICRO USD/CNH	0	10	-100.0%	0	-
E-MICRO CAD/USD	1,733	2,086	-16.9%	854	102.9%

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CME Group Exchange Open Interest Report - Monthly

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FX Options					
AUSTRALIAN DOLLAR	25,899	80,496	-67.8%	21,953	18.0%
BRITISH POUND	53,618	139,253	-61.5%	33,307	61.0%
CANADIAN DOLLAR	19,489	79,307	-75.4%	14,070	38.5%
EURO FX	147,867	287,655	-48.6%	94,853	55.9%
JAPANESE YEN	65,185	147,156	-55.7%	48,914	33.3%
MEXICAN PESO	1,715	1,557	10.1%	1,675	2.4%
NEW ZEALND DOLLAR	0	0	-	0	-
RUSSIAN RUBLE	0	831	-100.0%	0	-
SWISS FRANC	2,221	10,116	-78.0%	2,230	-0.4%
JAPANESE YEN (EU)	25	621	-96.0%	4	525.0%
EURO FX (EU)	80	3,049	-97.4%	137	-41.6%
SWISS FRANC (EU)	3	0	-	1	200.0%
CANADIAN DOLLAR (EU)	31	25	24.0%	30	3.3%
BRITISH POUND (EU)	507	1,183	-57.1%	504	0.6%
AUSTRALIAN DLR (EU)	0	481	-100.0%	0	-
CHF/USD PQO 2pm Fix	2,191	0	-	2,870	-23.7%
JPY/USD PQO 2pm Fix	94,501	0	-	114,523	-17.5%
EUR/USD PQO 2pm Fix	196,699	0	-	186,737	5.3%
GBP/USD PQO 2pm Fix	67,629	0	-	83,773	-19.3%
CAD/USD PQO 2pm Fix	37,501	0	-	48,685	-23.0%
AUD/USD PQO 2pm Fix	43,295	0	-	56,623	-23.5%

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CME Group Exchange Open Interest Report - Monthly

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Commodities and Alternative Investments					
Futures					
CORN	1,337,193	1,372,504	-2.6%	1,465,661	-8.8%
SOYBEAN	637,981	794,400	-19.7%	728,412	-12.4%
SOYBEAN MEAL	363,009	351,187	3.4%	377,934	-3.9%
SOYBEAN OIL	408,955	412,824	-0.9%	416,136	-1.7%
OATS	5,823	9,260	-37.1%	6,179	-5.8%
ROUGH RICE	11,011	10,004	10.1%	11,108	-0.9%
MINI CORN	7,842	5,936	32.1%	8,278	-5.3%
MINI SOYBEAN	17,547	23,789	-26.2%	19,693	-10.9%
MINI WHEAT	1,393	1,338	4.1%	1,736	-19.8%
LIVE CATTLE	428,332	275,144	55.7%	392,036	9.3%
FEEDER CATTLE	61,097	44,542	37.2%	59,116	3.4%
LEAN HOGS	218,648	223,111	-2.0%	203,449	7.5%
LUMBER	5,891	4,329	36.1%	5,813	1.3%
MILK	34,999	33,684	3.9%	36,530	-4.2%
MLK MID	0	0	-	0	-
NFD MILK	7,086	6,801	4.2%	7,533	-5.9%
BUTTER CS	6,403	6,888	-7.0%	6,377	0.4%
CLASS IV MILK	4,623	2,785	66.0%	4,992	-7.4%
DRY WHEY	6,554	4,850	35.1%	6,749	-2.9%
GSCI EXCESS RETURN FUT	48,766	37,816	29.0%	48,568	0.4%
GOLDMAN SACHS	14,354	11,867	21.0%	15,456	-7.1%
HOUSING INDEX	69	51	35.3%	66	4.5%
HDD WEATHER	0	0	-	500	-100.0%
CDD WEATHER	25,000	100	24,900.0%	25,000	0.0%
HDD SEASONAL STRIP	0	0	-	100	-100.0%
CDD SEASONAL STRIP	1,100	1,100	0.0%	250	340.0%
HDD WEATHER EUROPEAN	0	500	-100.0%	175	-100.0%
CAT WEATHER EUROPEAN	0	0	-	0	-
HDD EURO SEASONAL STRIP	0	0	-	150	-100.0%
CAT EURO SEASONAL STRIP	0	250	-100.0%	0	-
COFFEE	20	2	900.0%	0	-
DOW-UBS COMMOD INDEX	39,516	22,121	78.6%	35,920	10.0%
SUGAR 11	1	12	-91.7%	1	0.0%
COCOA TAS	0	33	-100.0%	7	-100.0%
COTTON	2	13	-84.6%	4	-50.0%
USD CRUDE PALM OIL	1,384	0	-	1,204	15.0%
CASH-SETTLED CHEESE	31,313	33,775	-7.3%	31,847	-1.7%
FERTILIZER PRODUCTS	2,015	3,125	-35.5%	2,592	-22.3%
S&P GSCI ENHANCED ER SWAP	17,033	13,072	30.3%	29,740	-42.7%
CHI WHEAT	466,992	382,164	22.2%	514,042	-9.2%
KC WHEAT	262,991	200,282	31.3%	258,836	1.6%
MALAYSIAN PALM SWAP	26,818	16,600	61.6%	24,312	10.3%
PALM OIL	0	0	-	0	-
Intercommodity Spread	0	0	-	0	-
DJ_UBS ROLL SELECT INDEX FU	1,070	332	222.3%	1,070	0.0%
Commodities and Alternative Investments					
Options					
CORN	1,324,145	1,387,273	-4.6%	1,272,646	4.0%
SOYBEAN	589,196	1,005,127	-41.4%	686,154	-14.1%

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CME Group Exchange Open Interest Report - Monthly

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Commodities and Alternative Investments					
Options					
SOYBEAN MEAL	116,661	192,471	-39.4%	129,116	-9.6%
SOYBEAN OIL	137,738	159,534	-13.7%	138,725	-0.7%
SOYBEAN CRUSH	215	1,240	-82.7%	180	19.4%
OATS	2,174	2,317	-6.2%	2,675	-18.7%
ROUGH RICE	2,651	1,757	50.9%	2,283	16.1%
WHEAT	611	0	-	0	0.0%
LIVE CATTLE	203,381	260,522	-21.9%	224,984	-9.6%
FEEDER CATTLE	35,011	30,847	13.5%	34,419	1.7%
LEAN HOGS	154,643	148,159	4.4%	181,684	-14.9%
LUMBER	847	635	33.4%	1,009	-16.1%
MILK	95,528	65,634	45.5%	98,202	-2.7%
MLK MID	610	325	87.7%	672	-9.2%
NFD MILK	11,818	9,219	28.2%	13,164	-10.2%
BUTTER CS	5,564	5,069	9.8%	5,991	-7.1%
CLASS IV MILK	6,290	2,926	115.0%	6,862	-8.3%
DRY WHEY	1,795	434	313.6%	1,344	33.6%
HOUSING INDEX	6	0	0.0%	6	0.0%
HDD WEATHER	0	0	-	2,000	-100.0%
CDD WEATHER	47,000	0	-	47,000	0.0%
HDD SEASONAL STRIP	0	0	-	14,100	-100.0%
CDD SEASONAL STRIP	2,800	27,000	-89.6%	1,000	180.0%
HDD WEATHER EUROPEAN	0	3,500	-100.0%	1,500	-100.0%
CAT WEATHER EUROPEAN	0	0	-	0	-
HDD EURO SEASONAL STRIP	0	0	-	2,500	-100.0%
NOV-NOV SOYBEAN CAL SPRD	76	104	-26.9%	64	18.8%
JULY-NOV SOYBEAN CAL SPRD	23,231	16,900	37.5%	21,976	5.7%
DEC-JULY WHEAT CAL SPRD	0	0	-	0	-
JULY-DEC CORN CAL SPRD	5,950	14,910	-60.1%	3,225	84.5%
SOYBN NEARBY+2 CAL SPRD	1,210	0	-	1,010	19.8%
WHEAT NEARBY+2 CAL SPRD	2,100	2,045	2.7%	3,553	-40.9%
CORN NEARBY+2 CAL SPRD	1,176	2,662	-55.8%	2,396	-50.9%
JULY-JULY WHEAT CAL SPRD	0	230	-100.0%	0	-
JULY-DEC WHEAT CAL SPRD	934	11,240	-91.7%	934	0.0%
LV CATL CSO	593	25	2,272.0%	458	29.5%
SOYMEAL NEARBY+2 CAL SPRD	0	100	-100.0%	0	-
WHEAT-CORN IC SO	750	120	525.0%	600	25.0%
CASH-SETTLED CHEESE	38,701	31,017	24.8%	38,094	1.6%
JULY-DEC SOY OIL CAL SPRD	590	0	-	590	0.0%
SOY OIL NEARBY+2 CAL SPRD	0	0	-	0	-
NOV-JULY SOYBEAN CAL SPRD	25	0	-	25	0.0%
DEC-DEC CORN CAL SPRD	1,960	2,161	-9.3%	2,033	-3.6%
DEC-JULY CORN CAL SPRD	2,600	0	-	2,600	0.0%
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-
CHI WHEAT	326,316	338,631	-3.6%	350,070	-6.8%
KC WHEAT	43,080	39,416	9.3%	42,089	2.4%
MAR-DEC CORN CAL SPRD	0	0	-	0	-
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-
Intercommodity Spread	650	1,850	-64.9%	650	0.0%
MAR-JULY CORN CAL SPRD	0	0	-	0	-
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-
AUG-DEC SOYBEAN MEAL CSO	0	0	-	0	-

*** Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

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CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2017	Open Interest APR 2016	% CHG	Open Interest MAR 2017	% CHG
Foreign Exchange Futures					
CHILEAN PESO	329	1	32,800.0%	138	138.4%
Ags Futures					
WHEAT	807	0	-	750	7.6%
Ags Options					
WHEAT	100	0	-	200	-50.0%
TOTAL FUTURES GROUP					
Interest Rate Futures	24,523,991	18,673,850	31.3%	23,666,373	3.6%
Equity Index Futures	3,790,749	3,590,733	5.6%	3,600,799	5.3%
Metals Futures	1,134,430	1,120,912	1.2%	1,120,237	1.3%
Energy Futures	19,597,694	21,745,894	-9.9%	19,324,991	1.4%
FX Futures	1,651,149	1,405,264	17.5%	1,582,673	4.3%
Commodities and Alternative Invest	4,502,831	4,306,591	4.6%	4,747,572	-5.2%
Foreign Exchange Futures	329	1	32,800.0%	138	138.4%
Ags Futures	807	0	-	750	7.6%
TOTAL FUTURES	55,201,980	50,843,245	8.6%	54,043,533	2.1%
TOTAL OPTIONS GROUP					
Interest Rate Options	48,419,461	40,118,991	20.7%	42,755,933	13.2%
Equity Index Options	4,569,648	5,110,256	-10.6%	4,482,578	1.9%
Metals Options	1,126,271	1,335,080	-15.6%	1,119,264	0.6%
Energy Options	7,650,845	7,706,884	-0.7%	7,593,913	0.7%
FX Options	758,456	751,730	0.9%	710,889	6.7%
Commodities and Alternative Invest	3,188,626	3,765,400	-15.3%	3,338,583	-4.5%
Ags Options	100	0	-	200	-50.0%
TOTAL OPTIONS	65,713,407	58,788,341	11.8%	60,001,360	9.5%

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CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2017	Open Interest APR 2016	% CHG	Open Interest MAR 2017	% CHG
TOTAL COMBINED					
Interest Rate	72,943,452	58,792,841	24.1%	66,422,306	9.8%
Equity Index	8,360,397	8,700,989	-3.9%	8,083,377	3.4%
Metals	2,260,701	2,455,992	-8.0%	2,239,501	0.9%
Energy	27,248,539	29,452,778	-7.5%	26,918,904	1.2%
FX	2,409,605	2,156,994	11.7%	2,293,562	5.1%
Commodities and Alternative Invest	7,691,457	8,071,991	-4.7%	8,086,155	-4.9%
Foreign Exchange	329	1	32,800.0%	138	138.4%
Ags	907	0	-	950	-4.5%
GRAND TOTAL	120,915,387	109,631,586	10.3%	114,044,893	6.0%

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