



## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2016	Open Interest APR 2015	% CHG	Open Interest MAR 2016	% CHG
<b>Interest Rate Futures</b>					
30-YR BOND	513,090	435,022	17.9%	507,005	1.2%
10-YR NOTE	2,689,202	2,879,786	-6.6%	2,650,463	1.5%
5-YR NOTE	2,487,435	2,082,180	19.5%	2,489,899	-0.1%
2-YR NOTE	1,046,599	1,428,146	-26.7%	989,754	5.7%
FED FUND	958,305	836,445	14.6%	874,740	9.6%
EUROYEN	0	0	-	0	-
EURODOLLARS	10,184,171	11,105,336	-8.3%	9,791,466	4.0%
5-YR SWAP RATE	30,347	39,434	-23.0%	32,460	-6.5%
2-YR SWAP RATE	76	3,741	-98.0%	13	484.6%
10-YR SWAP RATE	25,213	47,165	-46.5%	26,771	-5.8%
7-YR SWAP	0	0	-	0	-
1-MONTH EURODOLLAR	770	9,523	-91.9%	998	-22.8%
ULTRA T-BOND	621,932	583,619	6.6%	616,363	0.9%
30-YR SWAP RATE	1,294	1,797	-28.0%	857	51.0%
Ultra 10-Year Note	115,416	0	-	106,560	8.3%
2YR BUNDLE	0	50	-100.0%	0	-
3YR BUNDLE	0	0	-	0	-
EURO 5YR BUNDLE	0	0	-	0	-
<b>Interest Rate Options</b>					
30-YR BOND	377,269	352,604	7.0%	431,968	-12.7%
10-YR NOTE	2,088,958	2,221,224	-6.0%	1,929,561	8.3%
5-YR NOTE	784,928	679,611	15.5%	736,374	6.6%
2-YR NOTE	117,233	138,612	-15.4%	89,136	31.5%
FED FUND	22,681	108,960	-79.2%	42,342	-46.4%
FLEX 30-YR BOND	0	0	-	0	-
EURODOLLARS	27,219,103	18,338,838	48.4%	25,667,505	6.0%
EURO MIDCURVE	9,504,372	10,158,177	-6.4%	9,265,760	2.6%
ULTRA T-BOND	4,047	2,088	93.8%	3,254	24.4%
Ultra 10-Year Note	400	0	-	400	0.0%

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<b>Equity Index Futures</b>					
\$25 DJ	0	0	-	0	-
DJIA	0	5,588	-100.0%	0	-
MINI \$5 DOW	125,796	109,069	15.3%	108,337	16.1%
E-MINI S&P500	2,812,902	2,812,016	0.0%	2,855,475	-1.5%
S&P 500	78,853	120,532	-34.6%	67,236	17.3%
S&P 600 SMALLCAP EMINI	0	0	-	0	-
E-MINI MIDCAP	78,837	90,982	-13.3%	83,967	-6.1%
S&P 400 MIDCAP	0	1,315	-100.0%	0	-
S&P 500 GROWTH	20	37	-45.9%	17	17.6%
S&P 500/VALUE	33,221	31	107,064.5%	29,862	11.2%
E-MINI RUSSELL 1000	20	0	-	30	-33.3%
E-MINI NASDAQ 100	245,132	356,207	-31.2%	220,746	11.0%
NASDAQ	0	7,436	-100.0%	0	-
NIKKEI 225 (\$) STOCK	35,868	57,765	-37.9%	30,649	17.0%
NIKKEI 225 (YEN) STOCK	102,631	105,528	-2.7%	62,780	63.5%
DJ US REAL ESTATE	8,671	5,631	54.0%	8,584	1.0%
NASDAQ BIOTECH	0	200	-100.0%	0	-
E-MICRO NIFTY	0	0	-	0	-
S&P CONSUMER DSCRTNRY SE	7,059	1,452	386.2%	6,130	15.2%
S&P HEALTH CARE SECTOR	3,705	4,286	-13.6%	3,722	-0.5%
S&P UTILITIES SECTOR	14,811	1,874	690.3%	14,761	0.3%
S&P CONSUMER STAPLES SECT	23,367	2,726	757.2%	23,321	0.2%
S&P TECHNOLOGY SECTOR	2,802	3,340	-16.1%	2,773	1.0%
S&P INDUSTRIAL SECTOR	6,820	990	588.9%	6,379	6.9%
S&P FINANCIAL SECTOR	5,655	3,193	77.1%	9,234	-38.8%
S&P ENERGY SECTOR	1,918	1,825	5.1%	1,798	6.7%
S&P MATERIALS SECTOR	1,387	1,336	3.8%	1,257	10.3%
IBOVESPA INDEX	209	9	2,222.2%	315	-33.7%
E-MINI RUSSELL 1000 VALUE	787	0	-	18	4,272.2%
E-MINI RUSSELL 1000 GROWTH	38	0	-	39	-2.6%
FT-SE 100	224	0	-	200	12.0%
<b>Equity Index Options</b>					
DJIA	0	11	-100.0%	0	-
MINI \$5 DOW	15,414	12,559	22.7%	14,557	5.9%
E-MINI S&P500	2,917,441	2,926,914	-0.3%	2,733,987	6.7%
S&P 500	456,079	473,670	-3.7%	501,714	-9.1%
E-MINI MIDCAP	0	8	-100.0%	2	-100.0%
E-MINI NASDAQ 100	66,312	60,171	10.2%	56,980	16.4%
NASDAQ	0	10	-100.0%	0	-
EOM S&P 500	178,521	24,938	615.9%	105,866	68.6%
EOM EMINI S&P	548,639	158,091	247.0%	354,331	54.8%
EOW2 EMINI S&P 500	112,776	205,722	-45.2%	180,194	-37.4%
EOW2 S&P 500	11,711	25,082	-53.3%	38,378	-69.5%
EOW1 EMINI S&P 500	343,719	299,928	14.6%	317,839	8.1%
EOW1 S&P 500	39,311	15,817	148.5%	23,604	66.5%
EOW4 EMINI S&P 500	45,330	51,345	-11.7%	41,786	8.5%
EOW5 EMINI S&P 500	262,876	0	-	38,998	574.1%
EOW5 S&P 500	112,127	0	-	58,095	93.0%

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<b>Metals Futures</b>					
COMEX COPPER	178,814	163,009	9.7%	188,415	-5.1%
URANIUM	7,273	4,539	60.2%	7,185	1.2%
COMEX MINY COPPER	36	96	-62.5%	113	-68.1%
COMEX GOLD	553,560	412,396	34.2%	474,528	16.7%
COMEX SILVER	201,872	179,953	12.2%	177,267	13.9%
E-MINI SILVER	0	0	-	0	-
NYMEX PLATINUM	64,072	70,914	-9.6%	57,851	10.8%
NYMEX HOT ROLLED STEEL	21,914	20,977	4.5%	24,943	-12.1%
PALLADIUM	22,801	32,522	-29.9%	22,321	2.2%
E-MICRO GOLD	2,653	1,530	73.4%	1,419	87.0%
SILVER	564	763	-26.1%	599	-5.8%
COPPER	5,383	4,523	19.0%	5,593	-3.8%
FERROUS PRODUCTS	360	550	-34.5%	0	-
IRON ORE 62 CHINA TSI FUTURE	24,071	15,502	55.3%	26,713	-9.9%
ALUMINUM	8,522	184	4,531.5%	7,904	7.8%
LNDN ZINC	0	0	-	5	-100.0%
IRON ORE 62 CHINA PLATTS FU	100	534	-81.3%	790	-87.3%
COMEX E-Mini SILVER	75	105	-28.6%	68	10.3%
COMEX E-Mini GOLD	1,371	1,522	-9.9%	1,231	11.4%
Aluminium MW Trans Prem Platts	27,328	5,990	356.2%	27,518	-0.7%
Gold Kilo	143	46	210.9%	8	1,687.5%
IRON ORE 58 CHINA TSI FUTURE	0	0	-	0	-
<b>Metals Options</b>					
COMEX COPPER	2,308	1,613	43.1%	2,090	10.4%
COMEX GOLD	1,153,395	1,498,703	-23.0%	1,119,202	3.1%
COMEX SILVER	131,206	166,305	-21.1%	117,244	11.9%
NYMEX PLATINUM	5,902	13,701	-56.9%	4,694	25.7%
PALLADIUM	4,668	9,698	-51.9%	4,409	5.9%
SHORT TERM	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SILVER	0	0	-	0	-
COPPER	0	0	-	0	-
GOLD	388	567	-31.6%	719	-46.0%
IRON ORE 62 CHINA TSI CALL O	18,616	7,529	147.3%	19,645	-5.2%
IRON ORE 62 CHINA TSI PUT OP	18,597	23,010	-19.2%	19,180	-3.0%
HOT ROLLED COIL STEEL CALL	0	0	-	0	-
HOT ROLLED COIL STEEL PUT O	0	0	-	0	-
<b>Energy Futures</b>					
ETHANOL FWD	132	643	-79.5%	146	-9.6%
MARS BLEND CRUDE OIL	1,215	0	-	1,046	16.2%
HUSTN SHIP CHNL PIPE SWP	3,425	0	-	3,425	0.0%
NATURAL GAS PHY	1,100,826	1,040,457	5.8%	1,092,396	0.8%
SOUTHERN NAT LA NAT GAS	0	4,280	-100.0%	0	-
COLUMBIA GULF MAIN NAT G	2,208	0	-	0	-
RBOB GASOLINE BALMO CLNDR	24	1,161	-97.9%	160	-85.0%

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<b>Energy Futures</b>					
GASOLINE UP-DOWN BALMO SW	0	525	-100.0%	250	-100.0%
FUEL OIL (PLATS) CAR CN	81	125	-35.2%	84	-3.6%
FUEL OIL (PLATS) CAR CM	146	150	-2.7%	154	-5.2%
SINGAPORE MOGAS 92 UNLEAD	13,613	17,617	-22.7%	12,680	7.4%
ETHANOL T2 FOB ROTT INCL DU	3,600	4,474	-19.5%	3,595	0.1%
SINGAPORE MOGAS 92 UNLEAD	1,860	200	830.0%	860	116.3%
JET AV FUEL (P) CAR FM ICE GA	19	123	-84.6%	32	-40.6%
NY JET FUEL (PLATTS) HEAT OIL	0	455	-100.0%	0	-
PROPANE NON-LDH MB (OPIS) B	0	0	-	0	-
PROPANE NON-LDH MT. BEL (OF	27,613	11,629	137.4%	23,749	16.3%
N ILLINOIS HUB DAILY	168	0	-	188	-10.6%
CINERGY HUB PEAK MONTH	414	1,130	-63.4%	428	-3.3%
NO 2 UP-DOWN SPREAD CALEN	276	975	-71.7%	914	-69.8%
CIN HUB 5MW D AH O PK	350,680	317,664	10.4%	345,040	1.6%
NY 3.0% FUEL OIL (PLATTS	800	370	116.2%	950	-15.8%
ARGUS LLS VS. WTI (ARG) T	12,675	12,192	4.0%	15,738	-19.5%
TRANSCO ZONE 1 NG BASIS	0	368	-100.0%	0	-
SOUTH STAR TEX OKLHM KNS	1,000	2,333	-57.1%	856	16.8%
NYISO ZONE A 5MW D AH PK	12,336	26,363	-53.2%	13,029	-5.3%
NEPOOL MAINE 5MW D AH PK	0	0	-	0	-
NEPOOL INTR HUB 5MW D AH	347,433	295,715	17.5%	352,687	-1.5%
PJM COMED 5MW D AH O PK	254,140	58,584	333.8%	166,165	52.9%
NYISO ZONE A 5MW D AH O P	331,159	467,425	-29.2%	336,647	-1.6%
NEPOOL MAINE 5MW D AH O E	0	0	-	0	-
CHICAGO UNL GAS PL VS RBO	1,413	295	379.0%	1,416	-0.2%
PREMIUM UNLEAD 10PPM FOB	53	138	-61.6%	15	253.3%
GASOIL 10P CRG CIF NW VS	0	10	-100.0%	0	-
GASOIL 0.1 RDAM BRGS VS I	78	99	-21.2%	78	0.0%
PJM WESTHDA PEAK	73,870	72,667	1.7%	68,998	7.1%
PJM PEPKO DA PEAK	0	0	-	0	-
PJM DPL DA PEAK	0	0	-	0	-
PJM DAYTON DA PEAK	15,645	13,115	19.3%	16,275	-3.9%
PJM WESTH DA OFF-PEAK	1,345,764	1,300,586	3.5%	1,260,076	6.8%
PJM PPL DA OFF-PEAK	46,085	31,617	45.8%	50,960	-9.6%
PJM AECO DA OFF-PEAK	53,208	132,080	-59.7%	58,458	-9.0%
ULSD 10PPM CIF MED BALMO	35	0	-	0	-
GASOIL 0.1CIF MED VS ICE	5	46	-89.1%	40	-87.5%
GASOIL 0.1 CIF VS ICE GAS	5	0	-	0	-
GASOIL 0.1 ROTTERDAM BARG	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	1,468	1,882	-22.0%	1,364	7.6%
HENRY HUB SWING FUTURE	0	0	-	0	-
GASOIL 0.1 CIF MED BALMO	0	0	-	0	-
BRENT BALMO SWAP	0	268	-100.0%	210	-100.0%
TENNESSEE 500 LEG NG INDE	0	0	-	0	-
CIG ROCKIES NG INDEX SWA	0	0	-	930	-100.0%
PJM PECO ZONE5MW PEAK CAL	0	386	-100.0%	0	-
MISO 5MW OFF PEAK	0	0	-	0	-
MISO 5MW PEAK	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING	1,577	5,558	-71.6%	2,662	-40.8%
NY JET FUEL (ARGUS) VS HEATI	0	0	-	0	-
N ROCKIES PIPE SWAP	729	0	-	759	-4.0%

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<b>Energy Futures</b>					
CARBON EUA EMISSIONS EURO	0	0	-	0	-
GASOIL MINI CALENDAR SWAP	787	1,360	-42.1%	815	-3.4%
BRENT OIL LAST DAY	159,379	150,982	5.6%	159,648	-0.2%
SAN JUAN PIPE SWAP	0	0	-	0	-
SINGAPORE GASOIL BALMO	12	0	-	298	-96.0%
EUROPEAN NAPHTHA BALMO	152	72	111.1%	187	-18.7%
EURO 3.5% FUEL OIL RDAM B	562	716	-21.5%	239	135.1%
LLS (ARGUS) CALENDAR SWAP	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	1,645	1,085	51.6%	1,522	8.1%
GASOLINE UP-DOWN (ARGUS)	0	0	-	0	-
GULF COAST ULSD CALENDAR	4,804	7,386	-35.0%	5,012	-4.2%
CENTERPOINT EAST INDEX	0	0	-	0	-
CENTERPOINT BASIS SWAP	21,836	9,888	120.8%	15,740	38.7%
WTI-BRENT CALENDAR SWAP	70,783	127,371	-44.4%	71,702	-1.3%
EURO GASOIL 10PPM VS ICE	823	216	281.0%	912	-9.8%
BRENT CALENDAR SWAP	16,964	30,580	-44.5%	16,915	0.3%
MINY HTG OIL	2	2	0.0%	2	0.0%
FUELOIL SWAP:CARGOES VS.B	1,483	2,713	-45.3%	1,474	0.6%
MICHIGAN HUB PEAK MONTH S	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	0	0	-	0	-
DOMINION TRAN INC - APP I	8,136	0	-	7,609	6.9%
TENNESSEE ZONE 0 BASIS SW	1,520	0	-	1,760	-13.6%
PJM OFF-PEAK LMP SWAP FUT	3,292	6,759	-51.3%	3,536	-6.9%
AEP-DAYTON HUB OFF-PEAK M	1,275	3,282	-61.2%	1,378	-7.5%
AEP-DAYTON HUB DAILY	282	0	-	268	5.2%
EASTERN RAIL DELIVERY CSX	2,742	5,467	-49.8%	2,732	0.4%
HTG OIL	3,362	114	2,849.1%	1,125	198.8%
EUROPE 3.5% FUEL OIL MED	1,309	330	296.7%	1,029	27.2%
WAHA INDEX SWAP FUTURE	5,426	0	-	3,172	71.1%
EL PASO PERMIAN INDEX SWA	0	0	-	372	-100.0%
HEATING OIL PHY	388,421	357,212	8.7%	370,670	4.8%
PJM MONTHLY	10,748	15,436	-30.4%	11,600	-7.3%
NY HARBOR HEAT OIL SWP	14,488	18,516	-21.8%	15,315	-5.4%
TCO BASIS SWAP	42,294	70,022	-39.6%	45,612	-7.3%
DOMINION TRANSMISSION INC	42,256	15,344	175.4%	42,914	-1.5%
NYISO A	3,882	9,194	-57.8%	4,388	-11.5%
MINY NATURAL GAS	2,765	3,577	-22.7%	3,228	-14.3%
TRANSCO ZONE 6 BASIS SWAP	5,697	3,792	50.2%	5,915	-3.7%
NYH NO 2 CRACK SPREAD CAL	13,672	15,810	-13.5%	13,904	-1.7%
JAPAN C&F NAPHTHA CRACK S	1,279	369	246.6%	1,385	-7.7%
PERMIAN BASIS SWAP	18,161	6,302	188.2%	16,485	10.2%
NY HARBOR RESIDUAL FUEL 1	7,253	5,354	35.5%	7,687	-5.6%
GULF COAST NO.6 FUEL OIL	71,309	69,467	2.7%	70,458	1.2%
NGPL MID-CONTINENT	42,149	19,321	118.2%	39,657	6.3%
NYISO J	4,950	7,605	-34.9%	5,232	-5.4%
NYISO G	382	3,337	-88.6%	451	-15.3%
ARGUS PROPAN(SAUDI ARAMC	903	540	67.2%	770	17.3%
JAPAN NAPHTHA BALMO SWAP	20	58	-65.5%	170	-88.2%
EUROPE JET KERO NWE CALSW	38	62	-38.7%	38	0.0%
JET CIF NWE VS ICE	400	363	10.2%	393	1.8%
RBOB PHY	387,773	376,846	2.9%	399,679	-3.0%

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<b>Energy Futures</b>					
RBOB GAS	2,561	540	374.3%	3,377	-24.2%
GASOIL 0.1 CIF NWE VS ISE	0	0	-	0	-
NY1% VS GC SPREAD SWAP	6,061	5,089	19.1%	5,393	12.4%
GULF COAST 3% FUEL OIL BA	980	981	-0.1%	1,003	-2.3%
EUROPE 3.5% FUEL OIL RDAM	8,444	13,663	-38.2%	8,471	-0.3%
FUEL OIL NWE CRACK VS ICE	171	459	-62.7%	190	-10.0%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-
TRANSCO ZONE 6 INDEX	3,082	0	-	2,834	8.8%
SONAT BASIS SWAP FUTURE	4,348	6,584	-34.0%	4,490	-3.2%
PANHANDLE BASIS SWAP FUTU	42,899	29,798	44.0%	45,941	-6.6%
NGPL MIDCONTINENT INDEX	4,280	180	2,277.8%	4,280	0.0%
DUBAI CRUDE OIL CALENDAR	2,336	9,887	-76.4%	1,536	52.1%
CRUDE OIL PHY	1,762,348	1,743,494	1.1%	1,774,422	-0.7%
CINERGY HUB OFF-PEAK MONT	608	986	-38.3%	658	-7.6%
ANR LOUISIANA BASIS SWAP	736	1,840	-60.0%	856	-14.0%
TRANSCO ZONE4 BASIS SWAP	39,390	42,879	-8.1%	38,694	1.8%
FLORIDA GAS ZONE3 BASIS S	1,105	10,162	-89.1%	1,041	6.1%
SINGAPORE NAPHTHA SWAP	0	925	-100.0%	0	-
SINGAPORE JET KEROSENE SW	2,044	4,830	-57.7%	1,829	11.8%
SINGAPORE 380CST FUEL OIL	8,594	9,109	-5.7%	8,386	2.5%
AEP-DAYTON HUB MTHLY	1,541	2,670	-42.3%	1,622	-5.0%
N ILLINOIS HUB MTHLY	420	1,644	-74.5%	440	-4.5%
ISO NEW ENGLAND OFF-PEAK	510	1,164	-56.2%	548	-6.9%
NYISO G OFF-PEAK	210	1,095	-80.8%	240	-12.5%
NYISO A OFF-PEAK	1,180	3,194	-63.1%	1,330	-11.3%
TC2 ROTTERDAM TO USAC 37K	0	0	-	0	-
EUROPE DATED BRENT SWAP	6,355	10,913	-41.8%	8,159	-22.1%
WESTERN RAIL DELIVERY PRB	3,465	6,345	-45.4%	3,375	2.7%
NATURAL GAS PEN SWP	313,044	521,672	-40.0%	310,978	0.7%
SINGAPORE GASOIL VS ICE	4,815	4,470	7.7%	4,650	3.5%
JET BARGES VS ICE GASOIL	14	0	-	21	-33.3%
SOCAL PIPE SWAP	3,360	980	242.9%	3,360	0.0%
SINGAPORE 180CST BALMO	161	20	705.0%	0	-
MONT BELVIEU LDH PROPANE 5	122,510	66,677	83.7%	121,706	0.7%
MONT BELVIEU ETHANE 5 DECI	62,272	18,438	237.7%	51,806	20.2%
MONT BELVIEU NORMAL BUTAN	33,085	24,910	32.8%	33,176	-0.3%
WAHA BASIS	14,532	10,822	34.3%	16,337	-11.0%
PREM UNL GAS 10PPM RDAM F	139	162	-14.2%	121	14.9%
PREM UNL GAS 10PPM RDAM F	0	6	-100.0%	0	-
HENRY HUB SWAP	1,390,417	1,574,998	-11.7%	1,408,818	-1.3%
HENRY HUB BASIS SWAP	71,902	35,106	104.8%	66,494	8.1%
CHICAGO ETHANOL SWAP	46,546	51,617	-9.8%	43,252	7.6%
PJM WESTH RT OFF-PEAK	3,968,290	2,808,488	41.3%	3,858,338	2.8%
PJM JCPL DA OFF-PEAK	54,720	105,120	-47.9%	58,470	-6.4%
PJM DAYTON DA OFF-PEAK	193,665	245,007	-21.0%	197,905	-2.1%
PJM AD HUB 5MW REAL TIME	1,351,889	1,365,321	-1.0%	1,403,283	-3.7%
NEPOOL SE MASS 5MW D AH P	0	193	-100.0%	0	-
ISO NEW ENGLAND PK LMP	539	1,647	-67.3%	574	-6.1%
CRUDE OIL	25,667	19,304	33.0%	24,251	5.8%
EUROPEAN NAPHTHA CRACK SP	9,977	13,463	-25.9%	10,170	-1.9%
GASOIL CRACK SPREAD CALEN	7,190	13,655	-47.3%	6,402	12.3%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2016	Open Interest APR 2015	% CHG	Open Interest MAR 2016	% CHG
<b>Energy Futures</b>					
ICE BRENT DUBAI SWAP	2,235	4,320	-48.3%	2,640	-15.3%
BRENT FINANCIAL FUTURES	7,169	9,716	-26.2%	7,143	0.4%
NGPL TEXOK SWING SWAP	0	0	-	0	-
GASOIL CALENDAR SWAP	187	159	17.6%	82	128.0%
EURO 3.5% FUEL OIL SPREAD	846	2,823	-70.0%	974	-13.1%
MICHIGAN HUB OFF-PEAK MON	0	0	-	0	-
NYMEX ALUMINUM FUTURES	1,182	0	-	1,188	-0.5%
NY HARBOR RESIDUAL FUEL C	0	100	-100.0%	0	-
GULF COAST JET VS NYM 2 H	34,763	37,586	-7.5%	33,191	4.7%
SOCAL BASIS SWAP	0	2,256	-100.0%	0	-
SAN JUAN BASIS SWAP	28,197	4,010	603.2%	19,333	45.8%
EUROPE 1% FUEL OIL RDAM C	137	100	37.0%	135	1.5%
GULF COAST GASOLINE CLNDR	0	2,518	-100.0%	0	-
Transco Zone 3 Basis	8,404	11,880	-29.3%	8,584	-2.1%
Tetco STX Basis	3,388	552	513.8%	3,688	-8.1%
COLUMBIA GULF ONSHORE	24,627	27,831	-11.5%	25,527	-3.5%
PJM DAILY	810	0	-	670	20.9%
CIG BASIS	42,010	14,315	193.5%	41,527	1.2%
NORTHERN NATURAL GAS VENTL	4,206	6,483	-35.1%	1,817	131.5%
PGE&E CITYGATE	0	0	-	0	-
TEXAS EASTERN ZONE M-3 BA	23,857	17,753	34.4%	26,295	-9.3%
MICHIGAN BASIS	11,956	3,012	296.9%	9,056	32.0%
ANR OKLAHOMA	6,293	9,772	-35.6%	6,683	-5.8%
LA JET FUEL VS NYM NO 2 H	612	90	580.0%	727	-15.8%
RBOB UP-DOWN CALENDAR SW	0	14,238	-100.0%	1,360	-100.0%
RBOB CALENDAR SWAP	12,122	16,979	-28.6%	12,610	-3.9%
MINY RBOB GAS	0	2	-100.0%	0	-
GAS EURO-BOB OXY NWE BARG	8,067	7,327	10.1%	8,156	-1.1%
GAS EURO-BOB OXY NWE BARG	34,432	37,768	-8.8%	34,979	-1.6%
PETRO OUTRIGHT EURO	18,191	17,789	2.3%	17,503	3.9%
DATED BRENT (PLATTS) DAILY S	0	5,855	-100.0%	0	-
LA CARBOB GASOLINE(OPIS)S	1,100	775	41.9%	1,725	-36.2%
EURO PROPANE CIF ARA SWA	1,546	755	104.8%	1,139	35.7%
GASOIL BULLET SWAP	0	0	-	0	-
NEW YORK ETHANOL SWAP	3,075	1,425	115.8%	3,985	-22.8%
LA CARB DIESEL (OPIS)	143	46	210.9%	156	-8.3%
DEMARC INDEX FUTURE	0	0	-	0	-
WTI CALENDAR	131,378	136,277	-3.6%	128,827	2.0%
APPALACHIAN COAL (PHY)	60	662	-90.9%	100	-40.0%
ROCKIES KERN OPAL - NW IN	736	0	-	1,046	-29.6%
NEW ENGLAND HUB PEAK DAIL	1,545	0	-	1,550	-0.3%
HOUSTON SHIP CHANNEL INDE	0	0	-	0	-
NORTHERN NATURAL GAS DEMA	2,051	645	218.0%	1,528	34.2%
TENNESSEE 500 LEG BASIS S	1,774	3,910	-54.6%	2,014	-11.9%
EAST/WEST FUEL OIL SPREAD	360	1,805	-80.1%	416	-13.5%
NYISO J OFF-PEAK	858	1,554	-44.8%	860	-0.2%
TC5 RAS TANURA TO YOKOHAM	15	15	0.0%	15	0.0%
WTI-BRENT BULLET SWAP	0	35	-100.0%	0	-
EURO GASOIL 10 CAL SWAP	0	6	-100.0%	0	-
HENRY HUB INDEX SWAP FUTU	46,620	21,402	117.8%	36,684	27.1%
Sumas Basis Swap	10,885	8,053	35.2%	10,589	2.8%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2016	Open Interest APR 2015	% CHG	Open Interest MAR 2016	% CHG
<b>Energy Futures</b>					
RBOB CRACK SPREAD	5,246	2,888	81.6%	5,042	4.0%
CIN HUB 5MW D AH PK	22,080	20,591	7.2%	22,752	-3.0%
TEXAS GAS ZONE1 NG BASIS	15,173	18,658	-18.7%	15,323	-1.0%
SINGAPORE GASOIL SWAP	7,528	5,698	32.1%	3,308	127.6%
GULF COAST JET FUEL CLNDR	894	1,918	-53.4%	725	23.3%
ULSD 10PPM CIF MED VS ICE	84	510	-83.5%	123	-31.7%
PJM BGE DA OFF-PEAK	38,232	24,256	57.6%	15,207	151.4%
SINGAPORE 380CST BALMO	103	226	-54.4%	375	-72.5%
LTD NAT GAS	270,780	374,049	-27.6%	269,780	0.4%
NORTHWEST ROCKIES BASIS S	81,415	20,159	303.9%	74,298	9.6%
SING FUEL	5	0	-	0	-
CIN HUB 5MW REAL TIME O P	950,600	522,600	81.9%	968,712	-1.9%
NYISO ZONE C 5MW D AH PK	955	1,661	-42.5%	1,070	-10.7%
NEPOOL NE MASS 5MW D AH O	0	14,052	-100.0%	0	-
NEPOOL NE MASS 5MW D AH P	640	972	-34.2%	640	0.0%
NEPOOL SE MASS 5MW D AH O	0	3,513	-100.0%	0	-
NEPOOL CNCTCT 5MW D AH O	16,621	11,722	41.8%	4,696	253.9%
NEPOOL CONECTIC 5MW D AH	889	640	38.9%	254	250.0%
NEPOOL W CNT MASS 5MW D A	43,092	36,688	17.5%	44,592	-3.4%
PJM COMED 5MW D AH PK	15,530	3,214	383.2%	10,775	44.1%
NYISO ZONE J 5MW D AH O P	140,485	102,390	37.2%	135,621	3.6%
NYISO ZONE J 5MW D AH PK	13,867	7,603	82.4%	14,006	-1.0%
PJM NI HUB 5MW REAL TIME	1,330,682	562,646	136.5%	1,324,317	0.5%
NYISO ZONE C 5MW D AH O P	17,725	30,546	-42.0%	19,600	-9.6%
ONEOK OKLAHOMA NG BASIS	4,021	2,687	49.6%	3,941	2.0%
COLUMB GULF MAINLINE NG B	37,926	40,412	-6.2%	38,544	-1.6%
PANHANDLE PIPE SWAP	0	0	-	0	-
TRANSCO ZONE 4 NAT GAS IN	496	0	-	0	-
ELEC MISO PEAK	2,735	2,171	26.0%	3,034	-9.9%
ELEC NYISO OFF-PEAK	50,689	39,954	26.9%	55,564	-8.8%
WTS (ARGUS) VS WTI SWAP	29,816	44,155	-32.5%	32,592	-8.5%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-
BRENT CFD(PLATTS) VS FRNT	0	0	-	0	-
NY 2.2% FUEL OIL (PLATTS	0	333	-100.0%	214	-100.0%
EIA FLAT TAX ONHWAY DIESE	5,524	6,642	-16.8%	5,744	-3.8%
JET FUEL UP-DOWN BALMO CL	4,073	1,775	129.5%	3,025	34.6%
ULSD UP-DOWN BALMO SWP	4,625	1,270	264.2%	3,475	33.1%
EUROPEAN GASOIL (ICE)	2,905	2,568	13.1%	3,079	-5.7%
CRUDE OIL LAST DAY	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	352,349	264,776	33.1%	308,269	14.3%
PJM PEPKO DA OFF-PEAK	0	0	-	0	-
NY H OIL PLATTS VS NYMEX	4	82	-95.1%	11	-63.6%
GASOIL 10PPM VS ICE SWAP	176	326	-46.0%	192	-8.3%
NY HARBOR 1% FUEL OIL BAL	0	0	-	30	-100.0%
LA JET (OPIS) SWAP	2,342	875	167.7%	2,502	-6.4%
PJM AECO DA PEAK	2,883	7,195	-59.9%	3,205	-10.0%
PREMIUM UNLD 10PPM CARGOE	0	0	-	0	-
GASOIL 10PPM CARGOES CIF	0	0	-	0	-
TETCO M-3 INDEX	10,098	5,064	99.4%	10,598	-4.7%
SINGAPORE JET KERO GASOIL	3,280	2,245	46.1%	2,690	21.9%
SINGAPORE FUEL OIL SPREAD	1,058	1,244	-15.0%	982	7.7%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2016	Open Interest APR 2015	% CHG	Open Interest MAR 2016	% CHG
<b>Energy Futures</b>					
NORTHERN ILLINOIS OFF-PEA	740	2,136	-65.4%	830	-10.8%
NEW YORK HUB ZONE G PEAK	2,342	0	-	2,092	12.0%
SINGAPORE FUEL 180CST CAL	2,024	3,153	-35.8%	1,849	9.5%
EUROPE 1% FUEL OIL NWE CA	430	499	-13.8%	382	12.6%
Tetco ELA Basis	0	368	-100.0%	0	-
ULSD 10PPM CIF NW BALMO S	0	0	-	0	-
JET FUEL CARGOES CIF NEW	0	0	-	0	-
ICE GASOIL BALMO SWAP	0	0	-	0	-
ULSD 10PPM CIF MED SWAP	42	3	1,300.0%	7	500.0%
GASOIL 0.1 CIF MED SWAP	20	0	-	30	-33.3%
TENNESSEE 500 LEG NG SWIN	0	0	-	0	-
TCO NG INDEX SWAP	2,200	2,200	0.0%	2,448	-10.1%
ALGONQUIN CITYGATES BASIS	2,259	164	1,277.4%	1,800	25.5%
PJM WESTH RT PEAK	224,367	131,376	70.8%	226,696	-1.0%
PJM PSEG DA OFF-PEAK	140,400	8,712	1,511.6%	93,600	50.0%
PJM PSEG DA PEAK	5,100	462	1,003.9%	2,550	100.0%
PJM PPL DA PEAK	2,483	2,509	-1.0%	2,782	-10.7%
PJM JCPL DA PEAK	2,970	5,750	-48.3%	3,200	-7.2%
PJM EASTERNH DA PEAK	0	0	-	0	-
PJM DPL DA OFF-PEAK	0	0	-	0	-
PJM BGE DA PEAK	2,082	1,719	21.1%	830	150.8%
JET FUEL BRG FOB RDM VS I	0	0	-	0	-
DATED TO FRONTLINE BRENT	9,463	11,518	-17.8%	7,363	28.5%
NEPOOL W CNTR M 5MW D AH	4,008	1,783	124.8%	4,123	-2.8%
TENNESSEE 800 LEG NG BASI	1,716	2,576	-33.4%	1,956	-12.3%
UP DOWN GC ULSD VS NMX HO	68,126	53,506	27.3%	62,821	8.4%
USGC UNL 87 CRACK SPREAD	0	1,050	-100.0%	225	-100.0%
GULF COAST ULSD CRACK SPR	7,926	12,672	-37.5%	7,220	9.8%
NYMEX ULSD VS NYMEX HO	375	699	-46.4%	576	-34.9%
RBOB VS HEATING OIL SWAP	2,796	1,750	59.8%	2,096	33.4%
NYISO ZONE G 5MW D AH PK	22,883	20,085	13.9%	24,521	-6.7%
GASOIL 0.1 BRGS FOB VS IC	5	0	-	1	400.0%
ULSD 10PPM CIF VS ICE GAS	0	10	-100.0%	0	-
SINGAPORE NAPHTHA BALMO	0	0	-	20	-100.0%
ARGUS PROPAN FAR EST INDE	1,842	392	369.9%	1,484	24.1%
3.5% FUEL OIL CID MED SWA	1,117	74	1,409.5%	891	25.4%
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	617	1,283	-51.9%	516	19.6%
EURO 1% FUEL OIL NEW BALM	0	0	-	0	-
DUBAI CRUDE OIL BALMO	0	0	-	0	-
SINGAPORE JET KERO BALMO	0	0	-	0	-
WTS (ARGUS) VS WTI TRD MT	3,790	9,869	-61.6%	3,160	19.9%
MARS (ARGUS) VS WTI TRD M	7,732	2,630	194.0%	7,536	2.6%
MARS (ARGUS) VS WTI SWAP	14,925	10,649	40.2%	15,921	-6.3%
GASOIL 0.1 CARGOES CIF NE	0	0	-	0	-
NATURAL GAS	104,005	88,929	17.0%	103,048	0.9%
NGPL TEXOK INDEX	0	186	-100.0%	0	-
FUEL OIL CRACK VS ICE	19,710	17,023	15.8%	17,750	11.0%
HEATING OIL VS ICE GASOIL	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2016	Open Interest APR 2015	% CHG	Open Interest MAR 2016	% CHG
<b>Energy Futures</b>					
HOUSTON SHIP CHANNEL BASI	24,808	19,747	25.6%	25,554	-2.9%
LLS (ARGUS) VS WTI SWAP	39,236	52,921	-25.9%	41,264	-4.9%
JAPAN C&F NAPHTHA SWAP	1,516	1,503	0.9%	1,628	-6.9%
MINY WTI CRUDE OIL	4,715	5,592	-15.7%	3,836	22.9%
CIN HUB 5MW REAL TIME PK	51,571	16,949	204.3%	50,958	1.2%
PJM NILL DA PEAK	29,834	7,643	290.3%	25,364	17.6%
PANHANDLE INDEX SWAP FUTU	0	0	-	558	-100.0%
PJM NILL DA OFF-PEAK	558,070	135,489	311.9%	460,614	21.2%
PETROCHEMICALS	7,626	9,602	-20.6%	8,056	-5.3%
IN DELIVERY MONTH EUA	47,750	77,333	-38.3%	47,500	0.5%
MONT BELVIEU NORMAL BUTAN	165	179	-7.8%	459	-64.1%
MONT BELVIEU NATURAL GASO	168	965	-82.6%	252	-33.3%
CONWAY NORMAL BUTANE (OPI	405	222	82.4%	301	34.6%
CONWAY PROPANE 5 DECIMALS	17,524	9,761	79.5%	14,725	19.0%
MONT BELVIEU NATURAL GASO	16,356	13,478	21.4%	16,468	-0.7%
CONWAY NATURAL GASOLINE (	695	387	79.6%	689	0.9%
MONT BELVIEU LDH PROPANE C	107	217	-50.7%	833	-87.2%
MONT BELVIEU ETHANE OPIS B	65	275	-76.4%	150	-56.7%
SINGAPORE JET KERO VS. GAS	0	0	-	0	-
ERCOT NORTH ZMCPPE 5MW PE	1,190	7,726	-84.6%	1,337	-11.0%
ERCOT NORTH ZMCPPE 5MW OF	15,805	76,215	-79.3%	17,725	-10.8%
ERCOT NORTH ZMCPPE 5MW OF	600	0	-	520	15.4%
DIESEL 10PPM BARGES FOB B	0	0	-	0	-
EURO 3.5% FUEL OIL M CRK	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	6,090	10,999	-44.6%	6,515	-6.5%
GRP THREE UNL GS (PLT) VS	4,656	3,866	20.4%	4,835	-3.7%
CHICAGO ULSD PL VS HO SPR	2,227	2,994	-25.6%	2,252	-1.1%
PETRO CRK&SPRD EURO	17,092	22,555	-24.2%	17,876	-4.4%
CRUDE OIL OUTRIGHTS	16,781	24,292	-30.9%	16,428	2.1%
PJM WES HUB PEAK LMP 50 M	0	193	-100.0%	0	-
FREIGHT MARKETS	822	42	1,857.1%	684	20.2%
MCCLOSKEY ARA ARGS COAL	130,144	115,422	12.8%	112,857	15.3%
MNC FUT	5,046	4,981	1.3%	5,506	-8.4%
MCCLOSKEY RCH BAY COAL	29,214	31,942	-8.5%	25,440	14.8%
CRUDE OIL SPRDS	5,768	1,125	412.7%	5,060	14.0%
ELEC FINSETTLED	3,759	613	513.2%	3,874	-3.0%
ELECTRICITY OFF PEAK	69,269	18,459	275.3%	71,144	-2.6%
PETRO OUTRIGHT NA	12,637	11,590	9.0%	13,818	-8.5%
TRANSCO ZONE 6 PIPE SWAP	0	0	-	0	-
ALGON CITY GATES NAT GAS	1,712	0	-	0	-
NEPOOL NEW HAMP 5MW D AH	0	7,412	-100.0%	0	-
PJM APS ZONE DA OFF-PEAK	10,635	24,651	-56.9%	11,760	-9.6%
NAT GAS BASIS SWAP	7,933	1,040	662.8%	6,000	32.2%
RBOB SPREAD (PLATTS) SWAP	80	106	-24.5%	85	-5.9%
NGPL TEX/OK	58,142	45,074	29.0%	59,664	-2.6%
NEPOOL RHD ISLD 5MW D AH	7,897	10,157	-22.3%	8,909	-11.4%
HEATING OIL BALMO CLNDR S	45	120	-62.5%	0	-
PJM APS ZONE DA PEAK	573	1,344	-57.4%	642	-10.7%
SINGAPORE GASOIL CALENDAR	140	370	-62.2%	50	180.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2016	Open Interest APR 2015	% CHG	Open Interest MAR 2016	% CHG
<b>Energy Futures</b>					
GC ULSD VS GC JET SPREAD	0	0	-	0	-
ELEC ERCOT OFF PEAK	0	77,286	-100.0%	0	-
ELEC ERCOT DLY PEAK	42	4,246	-99.0%	49	-14.3%
PETROLEUM PRODUCTS ASIA	2,046	2,369	-13.6%	1,490	37.3%
PETRO CRCKS & SPRDS NA	88,216	88,168	0.1%	90,304	-2.3%
SINGAPORE GASOIL	5,650	5,864	-3.6%	5,276	7.1%
ONTARIO POWER SWAPS	127,423	220,986	-42.3%	137,802	-7.5%
PLASTICS	1,849	3,407	-45.7%	1,764	4.8%
MJC FUT	353	195	81.0%	358	-1.4%
TENN 800 LEG NAT GAS INDE	1,037	0	-	1,688	-38.6%
NEPOOL RHODE IL 5MW D AH	121,255	184,238	-34.2%	135,130	-10.3%
PETROLEUM PRODUCTS	580	65	792.3%	885	-34.5%
PJM ATSI ELEC	24,675	0	-	24,675	0.0%
COAL SWAP	474	1,213	-60.9%	389	21.9%
MGN1 SWAP FUT	641	447	43.4%	640	0.2%
PETRO CRCKS & SPRDS ASIA	225	240	-6.3%	529	-57.5%
INDIANA MISO	67,112	127,740	-47.5%	68,243	-1.7%
MICHIGAN MISO	234,740	194,288	20.8%	237,878	-1.3%
NYISO CAPACITY	4,608	2,419	90.5%	4,987	-7.6%
GROUP THREE ULSD (PLATTS)	0	10	-100.0%	0	-
EURO-DENOMINATED PETRO P	0	230	-100.0%	0	-
AUSTRALIAN COKE COAL	820	943	-13.0%	897	-8.6%
DAILY PJM	261,780	0	-	253,733	3.2%
EMMISSIONS	0	0	-	0	-
UCM FUT	75	20	275.0%	85	-11.8%
INDONESIAN COAL	45	565	-92.0%	45	0.0%
NEW YORK HUB ZONE J PEAK	971	0	-	992	-2.1%
NATURAL GAS INDEX	610	0	-	610	0.0%
MGF FUT	100	0	-	60	66.7%
CHICAGO ULSD (PLATTS) SWA	27	71	-62.0%	30	-10.0%
NATURAL GAS FIXED PRICE SW	6,429	0	-	7,022	-8.4%
MINI RBOB V. EBOB(ARGUS) NW	1,833	1,590	15.3%	1,656	10.7%
NY HARBOR LOW SULPUR GAS	1,275	2,467	-48.3%	700	82.1%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
SUMAS NAT GAS PLATTS FIXED	1,527	0	-	1,617	-5.6%
ELEC ERCOT DLY OFF PK	0	0	-	0	-
MINI RBOB V. EBOBARG NWE BR	0	490	-100.0%	0	-
3.5% FUEL OIL CIF BALMO S	20	8	150.0%	50	-60.0%
MINI GAS EUROBOB OXY NWE A	375	342	9.6%	244	53.7%
CANADIAN LIGHT SWEET OIL	3,835	468	719.4%	4,714	-18.6%
MJB FUT	0	5	-100.0%	0	-
COLUMBIA GULF NAT GAS FIXE	0	0	-	0	-
DY EURO 3.5% FUEL OI RDA	0	0	-	0	-
VENTURA NAT GAS PLATTS FIX	0	0	-	0	-
EU LOW SULPHUR GASOIL CRA	0	0	-	0	-
CENTER POINT NAT GAS FIXED	0	0	-	0	-
DIESEL10PPM BARG VS ICE LS	0	0	-	0	-
ELECTRICITY ERCOT PEAK	0	0	-	0	-
NY HARBOR LOW SULPUR GAS	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2016	Open Interest APR 2015	% CHG	Open Interest MAR 2016	% CHG
<b>Energy Options</b>					
ETHANOL	25	0	-	25	0.0%
EUROPEAN JET KEROSENE NW	60	0	-	60	0.0%
HUSTN SHIP CHNL PIPE SWP	0	1,920	-100.0%	0	-
NATURAL GAS PHY	2,891,483	3,276,743	-11.8%	2,928,076	-1.2%
NATURAL GAS 3 M CSO FIN	33,235	7,155	364.5%	23,910	39.0%
NATURAL GAS 1 M CSO FIN	5,500	2,750	100.0%	5,200	5.8%
WTI CRUDE OIL 1 M CSO FI	384,625	385,514	-0.2%	375,187	2.5%
SINGAPORE JET FUEL CALEND	1,200	450	166.7%	1,300	-7.7%
ROTTERDAM 3.5%FUEL OIL CL	270	1,675	-83.9%	280	-3.6%
NYMEX EUROPEAN GASOIL APO	405	1,538	-73.7%	607	-33.3%
N ROCKIES PIPE SWAP	4,590	3,634	26.3%	3,960	15.9%
BRENT OIL LAST DAY	55,923	77,814	-28.1%	54,026	3.5%
SAN JUAN PIPE SWAP	1,310	728	79.9%	360	263.9%
BRENT CALENDAR SWAP	55,747	257,826	-78.4%	72,175	-22.8%
HEATING OIL PHY	75,640	88,696	-14.7%	67,862	11.5%
PJM MONTHLY	0	94	-100.0%	2	-100.0%
NY HARBOR HEAT OIL SWP	46,151	96,410	-52.1%	51,062	-9.6%
NG HH 3 MONTH CAL	250	0	-	250	0.0%
RBOB PHY	41,325	35,938	15.0%	41,465	-0.3%
RBOB 1MO CAL SPD OPTIONS	1,350	0	-	0	-
NYMEX EUROPEAN GASOIL OPT	0	220	-100.0%	0	-
PGE CITYGATE PIPE SWAP	0	4,800	-100.0%	0	-
CRUDE OIL PHY	3,149,505	3,826,746	-17.7%	2,967,350	6.1%
WTI 12 MONTH CALENDAR OPT	0	0	-	0	-
WTI 6 MONTH CALENDAR OPTI	0	0	-	0	-
CRUDE OIL 1MO	481,163	370,168	30.0%	427,401	12.6%
SOCAL PIPE SWAP	6,000	12,912	-53.5%	6,000	0.0%
HENRY HUB FINANCIAL LAST	5,914	15,912	-62.8%	5,929	-0.3%
ISO NEW ENGLAND PK LMP	0	0	-	0	-
HO 1 MONTH CLNDR OPTIONS	800	0	0.0%	800	0.0%
CRUDE OIL APO	305,926	531,085	-42.4%	321,527	-4.9%
RBOB CALENDAR SWAP	1,207	9,840	-87.7%	2,258	-46.5%
PETRO OUTRIGHT EURO	75	375	-80.0%	100	-25.0%
WTI-BRENT BULLET SWAP	10,500	44,230	-76.3%	13,200	-20.5%
NATURAL GAS OPTION ON CALE	14,186	12,107	17.2%	14,146	0.3%
ELEC MISO PEAK	420	0	-	420	0.0%
NATURAL GAS SUMMER STRIP	0	0	-	0	-
SINGAPORE FUEL OIL 180 CS	0	0	-	0	-
NATURAL GAS	0	0	-	500	-100.0%
NYISO ZONE G 5MW PEAK OPTI	0	105	-100.0%	0	-
PETROCHEMICALS	10,565	18,103	-41.6%	8,596	22.9%
PJM CALENDAR STRIP	0	640	-100.0%	0	-
APPALACHIAN COAL	0	0	-	0	-
CRUDE OIL OUTRIGHTS	2,340	7,200	-67.5%	3,000	-22.0%
MCCLOSKEY ARA ARGS COAL	4,320	9,355	-53.8%	4,320	0.0%
MCCLOSKEY RCH BAY COAL	1,800	2,440	-26.2%	1,350	33.3%
ELEC FINSETTLED	105	336	-68.8%	84	25.0%
ELECTRICITY OFF PEAK	0	0	-	0	-
NATURAL GAS 5 M CSO FIN	0	250	-100.0%	550	-100.0%
NATURAL GAS 2 M CSO FIN	0	0	-	1,000	-100.0%
BRENT 1 MONTH CAL	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Options</b>					
CRUDE OIL CALNDR STRIP	0	110	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	300	0	-	300	0.0%
ETHANOL SWAP	14,860	27,470	-45.9%	12,180	22.0%
NATURAL GAS 6 M CSO FIN	0	0	-	0	-
GASOIL CRACK SPREAD AVG PR	0	0	-	0	-
SHORT TERM NATURAL GAS	800	50	1,500.0%	500	60.0%
SHORT TERM	0	0	-	0	-
COAL SWAP	2,239	3,465	-35.4%	2,179	2.8%
COAL API2 INDEX	75,500	37,141	103.3%	58,895	28.2%
EURO-DENOMINATED PETRO P	0	0	-	0	-
COAL API4 INDEX	805	1,265	-36.4%	675	19.3%
SHORT TERM CRUDE OIL	0	0	-	0	-
NATURAL GAS 12 M CSO FIN	0	0	-	0	-
DAILY CRUDE OIL	0	0	-	0	-
LLS CRUDE OIL	6,045	0	-	5,235	15.5%
PJM WES HUB PEAK LMP 50MW	1,364	0	-	1,200	13.7%
GASOLINE	456	0	-	456	0.0%
PJM WES HUB PEAK CAL MTH	10,500	0	-	10,500	0.0%
1 MO GASOIL CAL SWAP SPR	100	0	-	100	0.0%
PJM ELECTRIC	0	6	-100.0%	0	-
WTI CRUDE OIL 12 M CSO F	0	0	-	0	-
<b>FX Futures</b>					
AUSTRALIAN DOLLAR	151,239	138,365	9.3%	120,776	25.2%
BRITISH POUND	246,944	169,852	45.4%	244,673	0.9%
BRAZIL REAL	43,382	32,184	34.8%	45,071	-3.7%
CANADIAN DOLLAR	123,575	123,530	0.0%	105,938	16.6%
E-MINI EURO FX	7,455	8,496	-12.3%	5,824	28.0%
EURO FX	363,978	451,897	-19.5%	342,782	6.2%
E-MINI JAPANESE YEN	1,593	2,021	-21.2%	1,074	48.3%
JAPANESE YEN	162,931	193,610	-15.8%	149,929	8.7%
MEXICAN PESO	111,972	137,228	-18.4%	111,137	0.8%
NEW ZEALND DOLLAR	35,286	29,212	20.8%	28,293	24.7%
NKR/USD CROSS RATE	964	984	-2.0%	1,138	-15.3%
RUSSIAN RUBLE	27,081	58,247	-53.5%	27,130	-0.2%
S.AFRICAN RAND	3,359	6,490	-48.2%	4,291	-21.7%
SWISS FRANC	41,195	34,347	19.9%	36,241	13.7%
AD/CD CROSS RATES	1	12	-91.7%	0	-
AD/JY CROSS RATES	488	814	-40.0%	505	-3.4%
AD/NE CROSS RATES	43	15	186.7%	27	59.3%
BP/JY CROSS RATES	364	293	24.2%	287	26.8%
BP/SF CROSS RATES	5	56	-91.1%	2	150.0%
CD/JY CROSS RATES	0	18	-100.0%	0	-
EC/AD CROSS RATES	803	1,282	-37.4%	557	44.2%
EC/CD CROSS RATES	886	1,489	-40.5%	886	0.0%
EC/NOK CROSS RATES	1	238	-99.6%	1	0.0%
EC/SEK CROSS RATES	282	436	-35.3%	273	3.3%
EFX/BP CROSS RATES	30,483	16,636	83.2%	32,203	-5.3%
EFX/JY CROSS RATES	8,351	6,565	27.2%	12,046	-30.7%

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## CME Group Exchange Open Interest Report - Monthly

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<b>FX Futures</b>					
EFX/SF CROSS RATES	16,964	8,258	105.4%	8,604	97.2%
SF/JY CROSS RATES	0	0	-	0	-
SKR/USD CROSS RATES	996	862	15.5%	918	8.5%
CZECK KORUNA (US)	0	0	-	0	-
CZECK KORUNA (EC)	0	0	-	0	-
HUNGARIAN FORINT (US)	0	0	-	0	-
HUNGARIAN FORINT (EC)	0	0	-	0	-
POLISH ZLOTY (US)	222	6	3,600.0%	401	-44.6%
POLISH ZLOTY (EC)	1,393	4	34,725.0%	2,367	-41.1%
SHEKEL	0	0	-	0	-
RMB USD	511	630	-18.9%	513	-0.4%
KOREAN WON	21	33	-36.4%	21	0.0%
TURKISH LIRA	3	0	-	0	-
TURKISH LIRA (EU)	0	0	-	0	-
E-MICRO EUR/USD	6,866	7,145	-3.9%	3,743	83.4%
E-MICRO GBP/USD	2,064	856	141.1%	1,574	31.1%
E-MICRO USD/CAD	0	0	-	3	-100.0%
E-MICRO USD/CHF	1	1	0.0%	1	0.0%
E-MICRO USD/JPY	10	14	-28.6%	10	0.0%
E-MICRO AUD/USD	3,084	1,755	75.7%	2,516	22.6%
MICRO CHF/USD	1,157	356	225.0%	1,131	2.3%
INDIAN RUPEE	487	1,484	-67.2%	320	52.2%
E-MICRO JPY/USD	3,545	967	266.6%	1,364	159.9%
FCXRX	0	0	-	0	-
CHINESE RENMINBI (CNH)	3,024	345	776.5%	3,228	-6.3%
E-MICRO USD/CNH	10	136	-92.6%	0	-
E-MICRO CAD/USD	2,086	1,087	91.9%	2,188	-4.7%
E-MICRO INR/USD	159	9	1,666.7%	87	82.8%
USDZAR	0	4	-100.0%	0	-
EURO QUARTERLY VARIANCE F	0	0	-	0	-
<b>FX Options</b>					
AUSTRALIAN DOLLAR	80,496	92,500	-13.0%	75,535	6.6%
BRITISH POUND	139,253	180,840	-23.0%	119,879	16.2%
BRAZIL REAL	0	0	-	0	-
CANADIAN DOLLAR	79,307	73,462	8.0%	79,534	-0.3%
EURO FX	287,655	461,216	-37.6%	292,090	-1.5%
JAPANESE YEN	147,156	147,006	0.1%	139,546	5.5%
MEXICAN PESO	1,557	2,060	-24.4%	1,742	-10.6%
NEW ZEALND DOLLAR	0	0	-	0	-
RUSSIAN RUBLE	831	0	-	1,187	-30.0%
SWISS FRANC	10,116	18,512	-45.4%	11,000	-8.0%
JAPANESE YEN (EU)	621	264	135.2%	852	-27.1%
EURO FX (EU)	3,049	5,307	-42.5%	3,448	-11.6%
SWISS FRANC (EU)	0	0	-	0	-
CANADIAN DOLLAR (EU)	25	2	1,150.0%	32	-21.9%
BRITISH POUND (EU)	1,183	298	297.0%	2,089	-43.4%
AUSTRALIAN DLR (EU)	481	111	333.3%	481	0.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2016	Open Interest APR 2015	% CHG	Open Interest MAR 2016	% CHG
<b>Commodities and Alternative Investments</b>					
<b>Futures</b>					
CORN	1,372,504	1,294,226	6.0%	1,389,765	-1.2%
SOYBEAN	794,400	675,480	17.6%	774,306	2.6%
SOYBEAN MEAL	351,187	329,468	6.6%	375,408	-6.5%
SOYBEAN OIL	412,824	376,654	9.6%	453,877	-9.0%
OATS	9,260	7,515	23.2%	11,107	-16.6%
ROUGH RICE	10,004	10,780	-7.2%	13,149	-23.9%
MINI CORN	5,936	5,083	16.8%	5,792	2.5%
MINI SOYBEAN	23,789	12,939	83.9%	13,439	77.0%
MINI WHEAT	1,338	1,652	-19.0%	1,122	19.3%
LIVE CATTLE	275,144	276,106	-0.3%	291,595	-5.6%
FEEDER CATTLE	44,542	39,238	13.5%	38,734	15.0%
LEAN HOGS	223,111	222,716	0.2%	230,656	-3.3%
LUMBER	4,329	6,575	-34.2%	5,025	-13.9%
MILK	33,684	33,636	0.1%	30,586	10.1%
MLK MID	0	0	0.0%	0	0.0%
NFD MILK	6,801	4,939	37.7%	5,732	18.6%
BUTTER CS	6,888	6,252	10.2%	5,798	18.8%
CLASS IV MILK	2,785	2,415	15.3%	2,046	36.1%
DRY WHEY	4,850	4,889	-0.8%	4,574	6.0%
GSCI EXCESS RETURN FUT	37,816	33,519	12.8%	36,397	3.9%
GOLDMAN SACHS	11,867	12,500	-5.1%	11,520	3.0%
HOUSING INDEX	51	71	-28.2%	37	37.8%
ETHANOL	4,824	7,594	-36.5%	3,830	26.0%
HDD WEATHER	0	0	-	550	-100.0%
CDD WEATHER	100	1,800	-94.4%	0	-
HDD SEASONAL STRIP	0	0	-	827	-100.0%
CDD SEASONAL STRIP	1,100	400	175.0%	750	46.7%
HDD WEATHER EUROPEAN	500	500	0.0%	600	-16.7%
CAT WEATHER EUROPEAN	0	0	-	0	-
HDD EURO SEASONAL STRIP	0	0	-	100	-100.0%
CAT EURO SEASONAL STRIP	250	0	-	0	-
WKLY AVG TEMP	0	0	-	0	-
COFFEE	2	4	-50.0%	13	-84.6%
DOW-UBS COMMOD INDEX	22,121	17,888	23.7%	18,433	20.0%
SUGAR 11	12	31	-61.3%	19	-36.8%
COCOA TAS	33	7	371.4%	9	266.7%
COTTON	13	24	-45.8%	8	62.5%
GRAIN BASIS SWAPS	0	0	-	0	-
DOW-UBS COMMOD INDEX SWA	0	0	-	0	-
CASH-SETTLED CHEESE	33,775	27,507	22.8%	31,881	5.9%
OTC SP GSCI ER SWAP	0	0	-	0	-
FERTILIZER PRODUCTS	3,125	3,265	-4.3%	4,155	-24.8%
S&P GSCI ENHANCED ER SWAP	13,072	13,072	0.0%	13,072	0.0%
KC WHEAT	200,282	165,496	21.0%	207,597	-3.5%
CHI WHEAT	382,164	445,392	-14.2%	434,924	-12.1%
MALAYSIAN PALM SWAP	16,600	8,860	87.4%	13,872	19.7%
Intercommodity Spread	0	0	-	0	-
DJ_UBS ROLL SELECT INDEX FU	332	1,084	-69.4%	332	0.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2016	Open Interest APR 2015	% CHG	Open Interest MAR 2016	% CHG
<b>Commodities and Alternative Investments</b>					
<b>Options</b>					
CORN	1,387,273	1,449,544	-4.3%	1,312,683	5.7%
SOYBEAN	1,005,127	729,322	37.8%	864,392	16.3%
SOYBEAN MEAL	192,471	174,125	10.5%	172,517	11.6%
SOYBEAN OIL	159,534	85,974	85.6%	194,632	-18.0%
SOYBEAN CRUSH	1,240	260	376.9%	2,483	-50.1%
OATS	2,317	3,235	-28.4%	3,237	-28.4%
ROUGH RICE	1,757	1,463	20.1%	2,816	-37.6%
WHEAT	0	0	-	0	-
LIVE CATTLE	260,522	237,024	9.9%	290,380	-10.3%
FEEDER CATTLE	30,847	42,137	-26.8%	31,183	-1.1%
LEAN HOGS	148,159	232,106	-36.2%	184,513	-19.7%
LUMBER	635	699	-9.2%	1,033	-38.5%
MILK	65,634	64,498	1.8%	56,897	15.4%
MLK MID	325	587	-44.6%	319	1.9%
NFD MILK	9,219	6,420	43.6%	7,921	16.4%
BUTTER CS	5,069	4,390	15.5%	4,215	20.3%
CLASS IV MILK	2,926	3,126	-6.4%	2,778	5.3%
DRY WHEY	434	2,615	-83.4%	214	102.8%
HOUSING INDEX	0	0	-	0	-
HDD WEATHER	0	0	-	0	-
CDD WEATHER	0	0	-	0	-
HDD SEASONAL STRIP	0	120	-100.0%	14,100	-100.0%
CDD SEASONAL STRIP	27,000	52,500	-48.6%	13,500	100.0%
HDD WEATHER EUROPEAN	3,500	1,000	250.0%	5,500	-36.4%
CAT WEATHER EUROPEAN	0	3,000	-100.0%	0	-
HDD EURO SEASONAL STRIP	0	0	-	3,500	-100.0%
NOV-NOV SOYBEAN CAL SPRD	104	33	215.2%	129	-19.4%
JULY-NOV SOYBEAN CAL SPRD	16,900	12,434	35.9%	7,021	140.7%
DEC-JULY WHEAT CAL SPRD	0	0	-	0	-
JULY-DEC CORN CAL SPRD	14,910	9,115	63.6%	13,347	11.7%
SOYBN NEARBY+2 CAL SPRD	0	200	-100.0%	350	-100.0%
WHEAT NEARBY+2 CAL SPRD	2,045	7,128	-71.3%	7,069	-71.1%
CORN NEARBY+2 CAL SPRD	2,662	4,763	-44.1%	5,688	-53.2%
JULY-JULY WHEAT CAL SPRD	230	0	-	0	-
JULY-DEC WHEAT CAL SPRD	11,240	3,646	208.3%	8,620	30.4%
LV CATL CSO	25	15	66.7%	25	0.0%
SOYMEAL NEARBY+2 CAL SPRD	100	0	-	2,475	-96.0%
SBIN HURR	0	0	-	0	-
SNOWFALL	0	0	-	0	-
WHEAT-CORN ICSO	120	0	-	1	11,900.0%
CASH-SETTLED CHEESE	31,017	22,893	35.5%	28,240	9.8%
JULY-DEC SOYMEAL CAL SPRD	0	0	-	0	-
JULY-DEC SOY OIL CAL SPRD	0	25	-100.0%	0	-
SOY OIL NEARBY+2 CAL SPRD	0	50	-100.0%	0	-
NOV-JULY SOYBEAN CAL SPRD	0	0	-	0	-
DEC-DEC CORN CAL SPRD	2,161	528	309.3%	1,778	21.5%
DEC-JULY CORN CAL SPRD	0	100	-100.0%	0	-
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-
JAN-MAY SOYBEAN CAL SPRD	0	0	-	0	-
MAY-NOV SOYBEAN CAL SPRD	0	0	-	0	-
KC WHEAT	39,416	55,709	-29.2%	45,578	-13.5%

**\*\*\* 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 2016	Open Interest APR 2015	% CHG	Open Interest MAR 2016	% CHG
<b>Commodities and Alternative Investments</b>					
<b>Options</b>					
CHI WHEAT	338,631	340,635	-0.6%	365,133	-7.3%
MAR-JULY CORN CAL SPRD	0	0	-	0	-
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-
Intercommodity Spread	1,850	527	251.0%	1,850	0.0%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-
MAR-DEC CORN CAL SPRD	0	0	-	0	-
DEC-JUL SOYBEAN OIL CSO	0	0	-	0	-
NOV-DEC SOYBEAN CSO	0	0	-	0	-
<b>Foreign Exchange Futures</b>					
CHILEAN PESO	1	0	-	4	-75.0%
<b>Ags Futures</b>					
PALM OIL	0	0	-	0	-
<b>TOTAL FUTURES GROUP</b>					
Interest Rate Futures	18,673,850	19,452,244	-4.0%	18,087,349	3.2%
Equity Index Futures	3,590,733	3,693,368	-2.8%	3,537,630	1.5%
Metals Futures	1,120,912	915,655	22.4%	1,024,471	9.4%
Energy Futures	21,741,070	18,676,301	16.4%	21,266,550	2.2%
FX Futures	1,405,264	1,438,269	-2.3%	1,300,073	8.1%
Commodities and Alternative Invest	4,311,415	4,049,577	6.5%	4,431,637	-2.7%
Foreign Exchange Futures	1	0	-	4	-75.0%
Ags Futures	0	0	-	0	-
<b>TOTAL FUTURES</b>	<b>50,843,245</b>	<b>48,225,414</b>	<b>5.4%</b>	<b>49,647,714</b>	<b>2.4%</b>
<b>TOTAL OPTIONS GROUP</b>					
Interest Rate Options	40,118,991	32,000,114	25.4%	38,166,300	5.1%
Equity Index Options	5,110,256	4,254,266	20.1%	4,466,331	14.4%
Metals Options	1,335,080	1,721,126	-22.4%	1,287,183	3.7%
Energy Options	7,706,884	9,175,216	-16.0%	7,496,558	2.8%
FX Options	751,730	981,578	-23.4%	727,415	3.3%
Commodities and Alternative Invest	3,765,400	3,551,946	6.0%	3,656,117	3.0%
<b>TOTAL OPTIONS</b>	<b>58,788,341</b>	<b>51,684,246</b>	<b>13.7%</b>	<b>55,799,904</b>	<b>5.4%</b>

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2016	Open Interest APR 2015	% CHG	Open Interest MAR 2016	% CHG
<b>TOTAL COMBINED</b>					
Interest Rate	58,792,841	51,452,358	14.3%	56,253,649	4.5%
Equity Index	8,700,989	7,947,634	9.5%	8,003,961	8.7%
Metals	2,455,992	2,636,781	-6.9%	2,311,654	6.2%
Energy	29,447,954	27,851,517	5.7%	28,763,108	2.4%
FX	2,156,994	2,419,847	-10.9%	2,027,488	6.4%
Commodities and Alternative Invest	8,076,815	7,601,523	6.3%	8,087,754	-0.1%
Foreign Exchange	1	0	-	4	-75.0%
Ags	0	0	-	0	-
<b>GRAND TOTAL</b>	<b>109,631,586</b>	<b>99,909,660</b>	<b>9.7%</b>	<b>105,447,618</b>	<b>4.0%</b>

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