



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Interest Rate Futures</b>												
30-YR BOND	19,505	28,431	-31.4%	4,932,431	4,770,020	0.03	199,311	760,844	-73.8%	55,738,326	59,258,786	-5.9%
10-YR NOTE	100,381	131,985	-23.9%	22,222,540	22,692,828	-0.02	1,383,582	2,932,015	-52.8%	272,721,002	269,268,708	1.3%
5-YR NOTE	27,677	30,032	-7.8%	10,912,212	11,482,930	-0.05	286,250	1,685,864	-83.0%	150,240,779	149,494,143	0.5%
2-YR NOTE	1,010	464	117.7%	5,145,205	4,440,461	0.16	9,103	893,862	-99.0%	61,584,066	65,694,614	-6.3%
FED FUND	225	80	181.3%	2,270,364	1,775,379	0.28	225	8,456	-97.3%	27,697,916	16,483,984	68.0%
EUROYEN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURODOLLARS	406,790	585,340	-30.5%	41,410,245	43,700,269	-0.05	5,316,332	5,120,887	3.8%	497,283,263	490,994,395	1.3%
5-YR SWAP RATE	0	0	0.0%	37,472	41,253	-0.09	0	0	0.0%	566,834	535,644	5.8%
2-YR SWAP RATE	0	0	0.0%	0	1,262	-1	0	35	-100.0%	4,414	25,561	-82.7%
10-YR SWAP RATE	0	0	0.0%	33,041	24,760	0.33	0	2,652	-100.0%	449,862	514,605	-12.6%
7-YR SWAP	0	0	0.0%	0	1,214	-1	0	0	0.0%	3,052	1,404	117.4%
1-MONTH EURODOLLAR	0	0	0.0%	391	1,727	-0.77	0	0	0.0%	10,712	48,849	-78.1%
ULTRA T-BOND	371	0	0.0%	1,565,729	1,745,494	-0.1	497	424,211	-99.9%	21,154,561	22,508,151	-6.0%
Ultra 10-Year Note	0	-	-	1,272,000	-	-	28	-	-	11,434,190	-	-
30-YR SWAP RATE	0	0	0.0%	876	667	0.31	0	61	-100.0%	16,550	30,173	-45.1%
2YR BUNDLE	0	0	0.0%	0	0	0	0	0	0.0%	0	595	-100.0%
3YR BUNDLE	0	0	0.0%	0	0	0	0	0	0.0%	0	168	-100.0%
EURO 5YR BUNDLE	0	0	0.0%	0	0	0	0	0	0.0%	0	38	-100.0%
<b>Interest Rate Options</b>												
30-YR BOND	363,451	349,664	3.9%	1,333,267	1,151,979	0.16	2,971,850	5,052,084	-41.2%	14,346,441	13,219,352	8.5%
10-YR NOTE	1,679,614	2,317,278	-27.5%	4,840,895	4,120,126	0.17	22,141,718	30,936,808	-28.4%	51,702,151	53,225,811	-2.9%
5-YR NOTE	428,893	486,196	-11.8%	866,826	1,230,011	-0.3	6,271,855	6,157,517	1.9%	12,758,124	11,403,520	11.9%
2-YR NOTE	69,735	28,400	145.5%	48,123	81,770	-0.41	441,876	870,252	-49.2%	1,011,460	1,254,582	-19.4%
FED FUND	2,350	42,230	-94.4%	10	3,648	-1	70,351	281,716	-75.0%	13,319	26,591	-49.9%
FLEX 30-YR BOND	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURODOLLARS	6,429,982	7,472,803	-14.0%	2,316,002	1,835,345	0.26	100,866,717	70,198,915	43.7%	29,160,616	14,770,760	97.4%
EURO MIDCURVE	5,057,832	8,909,621	-43.2%	2,152,778	3,111,626	-0.31	63,486,778	78,508,111	-19.1%	28,464,848	21,417,571	32.9%
ULTRA T-BOND	7,682	1,636	369.6%	6,452	1,769	2.65	26,096	44,862	-41.8%	47,951	52,249	-8.2%
Ultra 10-Year Note	3,900	-	-	2,320	-	-	9,475	-	-	17,816	-	-

\*\*\* 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Equity Index Futures</b>												
\$25 DJ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
DJIA	0	0	0.0%	0	0	0	0	10,422	-100.0%	0	1,413	-100.0%
MINI \$5 DOW	0	0	0.0%	3,268,255	3,214,414	0.02	0	0	0.0%	35,631,418	34,254,815	4.0%
E-MINI S&P500	0	0	0.0%	32,449,166	36,178,872	-0.1	0	0	0.0%	397,271,642	357,099,484	11.2%
S&P 500	35,316	60,866	-42.0%	5,535	12,638	-0.56	1,113,843	1,432,990	-22.3%	99,334	163,658	-39.3%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
E-MINI MIDCAP	0	0	0.0%	327,545	387,165	-0.15	0	0	0.0%	4,326,961	4,333,090	-0.1%
S&P 400 MIDCAP	0	0	0.0%	0	0	0	0	39	-100.0%	0	0	0.0%
S&P 500 GROWTH	0	0	0.0%	12	8	0.5	0	0	0.0%	220	332	-33.7%
S&P 500/VALUE	0	0	0.0%	300	8	36.5	0	0	0.0%	27,502	294	9,254.4%
E-MINI RUSSELL 1000	0	0	0.0%	131	153	-0.14	0	0	0.0%	4,154	156	2,562.8%
E-MINI NASDAQ 100	0	0	0.0%	4,683,119	5,733,066	-0.18	0	0	0.0%	55,282,711	56,246,490	-1.7%
NASDAQ	0	0	0.0%	0	0	0	0	23,063	-100.0%	0	2,120	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	193,521	265,088	-0.27	0	0	0.0%	3,686,694	3,609,457	2.1%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	847,860	1,103,070	-0.23	0	0	0.0%	12,402,461	11,202,671	10.7%
DJ US REAL ESTATE	0	0	0.0%	8,856	10,239	-0.14	0	0	0.0%	114,497	96,391	18.8%
NASDAQ BIOTECH	0	0	0.0%	18	0	0	0	0	0.0%	18	0	0.0%
E-MICRO NIFTY	0	0	0.0%	0	0	0	0	0	0.0%	0	1,018	-100.0%
S&P CONSUMER STAPLES SE	0	0	0.0%	5,343	1,132	3.72	0	0	0.0%	75,013	35,817	109.4%
S&P HEALTH CARE SECTOR	0	0	0.0%	4,393	16,771	-0.74	0	0	0.0%	74,655	96,100	-22.3%
S&P TECHNOLOGY SECTOR	0	0	0.0%	2,166	3,882	-0.44	0	0	0.0%	47,935	27,537	74.1%
S&P INDUSTRIAL SECTOR	0	0	0.0%	2,005	1,302	0.54	0	0	0.0%	27,507	26,831	2.5%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	6,074	3,777	0.61	0	0	0.0%	50,026	57,360	-12.8%
S&P UTILITIES SECTOR	0	0	0.0%	11,646	7,432	0.57	0	0	0.0%	119,285	88,415	34.9%
S&P FINANCIAL SECTOR	0	0	0.0%	6,370	3,085	1.06	0	0	0.0%	69,372	24,707	180.8%
S&P ENERGY SECTOR	0	0	0.0%	9,077	11,127	-0.18	0	0	0.0%	93,829	66,623	40.8%
S&P MATERIALS SECTOR	0	0	0.0%	4,279	2,446	0.75	0	0	0.0%	44,881	31,420	42.8%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	16	83	-0.81	0	0	0.0%	2,626	86	2,953.5%
FT-SE 100	0	0	0.0%	1,420	1,181	0.2	0	0	0.0%	16,815	1,181	1,323.8%
IBOVESPA INDEX	0	0	0.0%	1,204	580	1.08	0	0	0.0%	7,202	4,173	72.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	49	85	-0.42	0	0	0.0%	4,354	88	4,847.7%
NIFTY 50	0	0	0.0%	13,294	1,773	6.5	0	0	0.0%	104,071	12,554	729.0%

\*\*\* 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Equity Index Options</b>												
DJIA	0	0	0.0%	0	0	0	0	32	-100.0%	0	0	0.0%
MINI \$5 DOW	0	0	0.0%	5,324	11,920	-0.55	0	0	0.0%	107,773	116,384	-7.4%
E-MINI S&P500	0	24,260	-100.0%	2,354,131	6,861,428	-0.66	110,315	192,965	-42.8%	48,540,395	65,201,028	-25.6%
S&P 500	140,050	709,936	-80.3%	0	0	0	5,028,143	7,621,574	-34.0%	0	106	-100.0%
E-MINI MIDCAP	0	0	0.0%	0	2	-1	0	0	0.0%	17	30	-43.3%
E-MINI NASDAQ 100	0	0	0.0%	190,796	146,912	0.3	0	0	0.0%	2,204,915	1,160,163	90.1%
NASDAQ	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%
EOM S&P 500	134,824	116,981	15.3%	0	0	0	1,736,724	1,078,146	61.1%	0	0	0.0%
EOM EMINI S&P	0	0	0.0%	1,355,515	1,260,498	0.08	0	1,500	-100.0%	16,398,398	11,335,399	44.7%
EOW1 S&P 500	93,078	37,542	147.9%	0	0	0	625,217	329,208	89.9%	0	0	0.0%
EOW1 EMINI S&P 500	0	0	0.0%	1,184,812	1,059,894	0.12	0	3,000	-100.0%	9,957,828	9,937,275	0.2%
EOW2 S&P 500	111,845	67,752	65.1%	0	0	0	1,290,611	762,237	69.3%	0	0	0.0%
EOW2 EMINI S&P 500	0	0	0.0%	1,115,305	1,029,723	0.08	0	0	0.0%	10,198,371	10,308,625	-1.1%
EOW4 EMINI S&P 500	0	0	0.0%	928,897	1,170,204	-0.21	0	4,500	-100.0%	11,196,423	10,142,365	10.4%
EOW3 S&P 500	434,322	-	-	0	-	-	2,472,843	-	-	0	-	-
EOW3 EMINI S&P 500	0	-	-	4,397,999	-	-	27,000	-	-	20,066,091	-	-

\*\*\* 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Metals Futures</b>												
COMEX GOLD	2,713	11,918	-77.2%	3,574,211	2,866,704	0.25	90,777	298,882	-69.6%	44,394,106	32,974,487	34.6%
E-MINI SILVER	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
COMEX MINY COPPER	0	0	0.0%	239	366	-0.35	0	0	0.0%	5,043	8,018	-37.1%
COMEX SILVER	253	1,823	-86.1%	1,299,064	1,064,040	0.22	9,675	79,546	-87.8%	14,471,128	10,870,919	33.1%
COMEX COPPER	72	0	0.0%	1,490,243	1,207,307	0.23	922	260,899	-99.6%	16,380,972	13,706,894	19.5%
NYMEX HOT ROLLED STEEL	0	0	0.0%	404	1	403	0	0	0.0%	4,593	1,234	272.2%
NYMEX PLATINUM	0	11	-100.0%	288,495	268,088	0.08	38	235	-83.8%	3,072,367	2,829,912	8.6%
URANIUM	0	0	0.0%	0	402	-1	0	0	0.0%	993	1,950	-49.1%
PALLADIUM	0	3	-100.0%	106,495	84,578	0.26	63	379	-83.4%	1,071,610	1,049,534	2.1%
E-MICRO GOLD	0	0	0.0%	52,304	41,762	0.25	0	0	0.0%	821,509	313,160	162.3%
ALUMINUM	0	0	0.0%	985	879	0.12	0	0	0.0%	10,399	3,415	204.5%
COPPER	0	0	0.0%	0	0	0	0	0	0.0%	0	1	-100.0%
SILVER	0	0	0.0%	5,630	5,532	0.02	0	0	0.0%	83,606	79,312	5.4%
Gold Kilo	0	0	0.0%	3,711	5,290	-0.3	0	0	0.0%	47,646	38,221	24.7%
COMEX E-Mini SILVER	0	0	0.0%	1,033	652	0.58	0	0	0.0%	12,279	8,513	44.2%
COMEX E-Mini GOLD	0	0	0.0%	6,890	4,122	0.67	0	0	0.0%	105,332	56,192	87.5%
Aluminium MW Trans Prem Platts	0	0	0.0%	244	1,046	-0.77	0	0	0.0%	4,934	6,007	-17.9%
LNDN ZINC	0	0	0.0%	27	14	0.93	0	0	0.0%	227	338	-32.8%
METALS	0	-	-	0	-		0	-	-	25	-	-
FERROUS PRODUCTS	0	0	0.0%	0	0	0	0	0	0.0%	0	8	-100.0%
IRON ORE 62 CHINA PLATTS F	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI FUTU	0	0	0.0%	508	300	0.69	0	0	0.0%	5,306	303	1,651.2%
IRON ORE 58 CHINA TSI FUTU	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Metals Options</b>												
COMEX GOLD	16,698	98,846	-83.1%	607,491	481,211	0.26	592,859	881,572	-32.7%	5,732,193	4,270,445	34.2%
COMEX SILVER	8,781	9,002	-2.5%	90,349	74,825	0.21	79,795	126,855	-37.1%	993,161	847,760	17.2%
COMEX COPPER	0	668	-100.0%	2,454	1,266	0.94	1,188	8,087	-85.3%	23,822	13,201	80.5%
NYMEX PLATINUM	0	101	-100.0%	743	1,337	-0.44	2,254	2,257	-0.1%	7,645	5,378	42.2%
PALLADIUM	0	10	-100.0%	265	355	-0.25	322	1,202	-73.2%	2,546	2,946	-13.6%
SHORT TERM GOLD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SHORT TERM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
GOLD	0	145	-100.0%	5,865	1,688	2.47	666	2,553	-73.9%	38,371	15,814	142.6%
COPPER	0	0	0.0%	0	0	0	0	0	0.0%	0	10	-100.0%
SILVER	0	0	0.0%	773	5	153.6	0	10	-100.0%	1,569	1,142	37.4%
IRON ORE 62 CHINA TSI CALL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI PUT O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOT ROLLED COIL STEEL CAL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HOT ROLLED COIL STEEL PUT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
<b>Energy Futures</b>												
ETHANOL FWD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOUSTON SHIP CHANNEL BAS	0	0	0.0%	182	0	0	0	0	0.0%	1,102	61	1,706.6%
NORTHWEST ROCKIES BASIS	0	0	0.0%	870	0	0	0	0	0.0%	2,815	0	0.0%
HEATING OIL VS ICE GASOIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FUEL OIL CRACK VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FUEL OIL NWE CRACK VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL MIDCONTINENT INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL TEXOK INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CENTERPOINT BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	34,775	21,589	0.61	800	1,013	-21.0%	200,362	47,306	323.5%
HTG OIL	0	0	0.0%	0	0	0	36	0	0.0%	0	0	0.0%
LTD NAT GAS	0	0	0.0%	85,476	74,249	0.15	0	549	-100.0%	729,085	649,886	12.2%
GASOIL MINI CALENDAR SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 ROTTERDAM BAR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
HUSTN SHIP CHNL PIPE SWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PANHANDLE PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	1,530,837	2,081,282	-0.26	344	0	0.0%	18,888,975	22,057,428	-14.4%
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CARGOES CIF NE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF NWE VS ISE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY H OIL PLATTS VS NYMEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI TRD MT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE 180CST BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE NAPHTHA BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO 3.5% FUEL OIL RDAM B	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR 1% FUEL OIL BAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST 3% FUEL OIL BA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREMIUM UNLD 10P FOB MED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 10P CRG CIF NW VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CRG CIF NW VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT CFD SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET FUEL CRG CIF NEW VS I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
3.5% FUEL OIL CID MED SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ARGUS PROPAN FAR EST IND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF VS ICE GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET FUEL BRG FOB RDM VS I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM NILL DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM AECO DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
PJM DAYTON DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM DPL DA PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM DPL DA OFF-PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM EASTERNH DA PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM JCPL DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM JCPL DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PEPCO DA PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM PEPCO DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PPL DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PPL DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WESTHDA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WESTH RT PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WESTH RT OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ALGONQUIN CITYGATES BASI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TCO NG INDEX SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TENNESSEE 500 LEG NG INDE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MICHCON NG INDEX SWAP	0	-	-	0	-		0	-	-	0	-	-
CIG ROCKIES NG INDEX SWA	0	-	-	0	-		0	-	-	0	-	-
TENNESSEE 500 LEG NG SWIN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
GASOIL 0.1 CIF MED SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF MED SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF MED VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ICE GASOIL BALMO SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
JET FUEL CARGOES CIF NEW	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ULSD 10PPM CIF NW BALMO S	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ULSD 10PPM CIF MED BALMO	0	-	-	0	-		0	-	-	0	-	-
PERMIAN BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
Tetco ELA Basis	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PANHANDLE INDEX SWAP FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST JET FUEL CLNDR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL NWE CA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL 180CST CAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST NO.6 FUEL OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE G PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NORTHERN ILLINOIS OFF-PEA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB DAILY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL OIL SPREA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO GASOI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TETCO M-3 INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DOMINION TRAN INC - APP I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	182	182	0.0%	2,939,540	3,146,464	-0.07	968	4,886	-80.2%	29,921,434	27,967,806	7.0%
GASOIL 10PPM CARGOES CIF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 10PPM VS ICE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPEAN NAPHTHA BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREMIUM UNLD 10PPM CARG	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
GASOIL 0.1 BRGS FOB VS IC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DIESEL 10P BRG FOB RDM VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ARGUS PROPAN(SAUDI ARAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM AECO DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY HTG OIL	0	0	0.0%	7	5	0.4	0	0	0.0%	95	81	17.3%
WAHA BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY NATURAL GAS	0	0	0.0%	33,276	25,601	0.3	0	0	0.0%	253,764	268,527	-5.5%
SINGAPORE GASOIL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
UP DOWN GC ULSD VS NMX H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LA JET (OPIS) SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
ULSD UP-DOWN BALMO SWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET FUEL UP-DOWN BALMO C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EIA FLAT TAX ONHWAY DIESE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JAPAN NAPHTHA BALMO SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY 2.2% FUEL OIL (PLATTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 MW P	0	-	-	0	-		0	-	-	0	-	-
BRENT CFD(PLATTS) VS FRNT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
RBOB GASOLINE BALMO CLNC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOLINE UP-DOWN BALMO S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 4 NAT GAS IN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COLUMBIA GULF MAIN NAT G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOUTHERN NAT LA NAT GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FL GAS ZONE 3 NAT GAS IND	0	-	-	0	-		0	-	-	0	-	-
COLUMB GULF MAINLINE NG B	0	0	0.0%	0	0	0	0	0	0.0%	122	0	0.0%
TENNESSEE 800 LEG NG BASI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 1 NG BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ONEOK OKLAHOMA NG BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOUTH STAR TEX OKLHM KNS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TEXAS GAS ZONE1 NG BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH O P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH O P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH O P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
NEPOOL CONECTIC 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL CNCTCT 5MW D AH O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL MAINE 5MW D AH PK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NYISO ZONE C 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL W CNTR M 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL MAINE 5MW D AH O E	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CIN HUB 5MW D AH O PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME O P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB PHY	64	2	3,100.0%	3,162,693	2,928,554	0.08	573	3,156	-81.8%	35,580,563	30,992,060	14.8%
SING FUEL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LLS (ARGUS) CALENDAR SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS DEM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOUSTON SHIP CHANNEL IND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE JET KERO NWE CALS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY WTI CRUDE OIL	0	0	0.0%	227,921	210,853	0.08	0	0	0.0%	2,848,927	2,744,725	3.8%
NEW ENGLAND HUB PEAK DAI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ROCKIES KERN OPAL - NW IN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	52	8,035	-99.4%	9,905,953	7,319,622	0.35	1,590	45,394	-96.5%	76,374,450	64,827,090	17.8%
APPALACHIAN COAL (PHY)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI CALENDAR	0	83	-100.0%	0	0	0	1,069	105	918.1%	0	0	0.0%
HENRY HUB BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	31	0	0.0%
DEMARC INDEX FUTURE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREMIUM UNLEAD 10PPM FOB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHICAGO UNL GAS PL VS RBO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	462	6,735	-93.1%	22,383,452	16,862,626	0.33	20,093	136,210	-85.2%	219,008,768	162,141,527	35.1%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0	0	12	-100.0%	0	2	-100.0%

\*\*\* 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
ISO NEW ENGLAND PK LMP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHICAGO ETHANOL SWAP	0	0	0.0%	329	1,699	-0.81	0	0	0.0%	10,811	8,251	31.0%
NEW YORK ETHANOL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL BULLET SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURO PROPANE CIF ARA SW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOLINE UP-DOWN (ARGUS)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
LA CARBOB GASOLINE(OPIS)S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY RBOB GAS	0	0	0.0%	3	4	-0.25	0	0	0.0%	45	47	-4.3%
RBOB GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB CRACK SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB UP-DOWN CALENDAR S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR RESIDUAL FUEL 1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	0	0	0	39	170	-77.1%	12	11	9.1%
LA JET FUEL VS NYM NO 2 H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ANR OKLAHOMA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MICHIGAN BASIS	0	0	0.0%	31	0	0	0	0	0.0%	766	0	0.0%
Sumas Basis Swap	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TEXAS EASTERN ZONE M-3 BA	0	0	0.0%	0	0	0	0	0	0.0%	31	0	0.0%
PGE&E CITYGATE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM MONTHLY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS VEN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DOMINION TRANSMISSION INC	0	0	0.0%	30	0	0	0	0	0.0%	366	0	0.0%
TCO BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIG BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM DAILY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COLUMBIA GULF ONSHORE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
Tetco STX Basis	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
Transco Zone 3 Basis	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HENRY HUB SWING FUTURE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EL PASO PERMIAN INDEX SWA	0	-	-	0	-		0	-	-	0	-	-
HENRY HUB INDEX SWAP FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WAHA INDEX SWAP FUTURE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST GASOLINE CLND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE NAPHTHA CALSWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL RDAM C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL RDAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PANHANDLE BASIS SWAP FUT	0	0	0.0%	214	0	0	0	0	0.0%	946	0	0.0%
SAN JUAN BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOCAL BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 BASIS SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO J	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST JET VS NYM 2 H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR RESIDUAL FUEL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MICHIGAN HUB PEAK MONTH	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MICHIGAN HUB OFF-PEAK MO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURO 3.5% FUEL OIL SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO GASOIL 10 CAL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL MIDCONTINENT SWING	0	-	-	0	-		0	-	-	0	-	-
NGPL TEXOK SWING SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
DEMARC SWING SWAP	0	-	-	0	-		0	-	-	0	-	-
CENTERPOINT EAST INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	21	-100.0%
BRENT FINANCIAL FUTURES	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI-BRENT CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DATED TO FRONTLINE BRENT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL CRACK SPREAD CALE	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
EUROPEAN NAPHTHA CRACK S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO GASOIL 10PPM VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET CIF NWE VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET BARGES VS ICE GASOIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS PEN SWP	0	124	-100.0%	0	0	0	92	20,948	-99.6%	0	0	0.0%
WESTERN RAIL DELIVERY PR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EASTERN RAIL DELIVERY CSX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE DATED BRENT SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TC5 RAS TANURA TO YOKOHA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TD3 MEG TO JAPAN 250K MT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
TC2 ROTTERDAM TO USAC 37	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM OFF-PEAK LMP SWAP FU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO A OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO G OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB DAILY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FUELOIL SWAP:CARGOES VS.	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EAST/WEST FUEL OIL SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST FUEL OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE JET KEROSENE S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE NAPHTHA SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SONAT BASIS SWAP FUTURE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FLORIDA GAS ZONE3 BASIS S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE4 BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	646	0	0.0%
ANR LOUISIANA BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TENNESSEE 500 LEG BASIS S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TENNESSEE ZONE 0 BASIS S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CINERGY HUB OFF-PEAK MON	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CALEND	0	0	0.0%	0	0	0	0	0	0.0%	3	2	50.0%

\*\*\* 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
GULF COAST ULSD CRACK SP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HENRY HUB SWAP	0	0	0.0%	194,391	178,753	0.09	1,472	236	523.7%	1,950,435	488,496	299.3%
DUBAI CRUDE OIL CALENDAR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
USGC UNL 87 CRACK SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYH NO 2 CRACK SPREAD CA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ETHANOL T2 FOB ROTT INCL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MT. BEL (	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MB (OPIS)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY JET FUEL (PLATTS) HEAT C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET AV FUEL (P) CAR FM ICE G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY JET FUEL (ARGUS) VS HEA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NY ULSD (ARGUS) VS HEATIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MISO 5MW PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MISO 5MW OFF PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM PECO ZONE5MW PEAK C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
IN DELIVERY MONTH EUA	0	0	0.0%	0	706	-1	0	0	0.0%	225	1,212	-81.4%
DATED BRENT (PLATTS) DAILY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE 5 DEC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	0	17	-1	0	0	0.0%	158	137	15.3%
EUROPEAN GASOIL (ICE)	0	0	0.0%	6,938	72,383	-0.9	0	0	0.0%	1,474,467	198,180	644.0%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW P	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
SINGAPORE JET KERO VS. GA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE OPIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CONWAY NORMAL BUTANE (O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CONWAY NATURAL GASOLINE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CONWAY PROPANE 5 DECIMA	0	0	0.0%	0	0	0	0	0	0.0%	0	20	-100.0%
PETROCHEMICALS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL LAST DAY	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ELEC NYISO OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC MISO PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MARS BLEND CRUDE OIL	0	-	-	0	-	-	0	-	-	0	-	-
NYMEX ALUMINUM FUTURES	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF MED BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB CRACK SPREAD BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CARBON EUA EMISSIONS EUR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
DIESEL 10PPM BARGES FOB B	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURO 3.5% FUEL OIL M CRK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM DUQUESNE 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM DUQUS 5MW D AH O PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GRP THREE ULSD(PLT)VS HEA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HEATING OIL CRCK SPRD BAL	0	-	-	0	-	-	0	-	-	0	-	-
CHICAGO ULSD PL VS HO SPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GRP THREE UNL GS (PLT) VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50 M	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL NEW HAMP 5MW D A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
CRUDE OIL SPRDS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM APS ZONE DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC FINSETTLED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM APS ZONE DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NAT GAS BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PLASTICS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MNC FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GC ULSD VS GC JET SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL CALEND A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MJC FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL TEX/OK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB SPREAD (PLATTS) SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TENN 800 LEG NAT GAS INDE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS ASIA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
INDONESIAN COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DAILY PJM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
INDIANA MISO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
AUSTRIALIAN COKE COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO CAPACITY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
VENTURA NAT GAS PLATTS FI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EMMISSIONS	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
DIESEL10PPM BARG VS ICE LS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SUMAS NAT GAS PLATTS FIXE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
3.5% FUEL OIL CIF BALMO S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CANADIAN LIGHT SWEET OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DLY GAS EURO-BOB OXY	0	-	-	0	-		0	-	-	0	-	-
MINI RBOB V. EBOBARG NWE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOB(ARGUS) N	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL TRADE AT MARKE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MGF FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MJB FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM ATSI ELEC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EU LOW SULPHUR GASOIL CR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CENTER POINT NAT GAS FIXE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC ERCOT DLY OFF PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHICAGO ULSD (PLATTS) SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR LOW SULPUR GA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINI GAS EUROBOB OXY NWE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COLUMBIA GULF NAT GAS FIX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MGN1 SWAP FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GROUP THREE ULSD (PLATTS)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
UCM FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DY EURO 3.5% FUEL OI RDA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NY HARBOR LOW SULPUR GA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ELEC WEST POWER PEAK	0	-	-	0	-		0	-	-	0	-	-
ELEC WEST POWER OFF-PEA	0	-	-	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Options</b>												
ETHANOL	0	-	-	0	-	-	0	-	-	0	-	-
NATURAL GAS	0	-	-	0	-	-	0	-	-	0	-	-
PGE CITYGATE PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HUSTN SHIP CHNL PIPE SWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	4	6	-33.3%	8,493	0	0	9,909	2,295	331.8%	25,308	12	210,800.0%
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ROTTERDAM 3.5%FUEL OIL CL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL OIL 180 CS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	396	1,491	-73.4%	4,646	5,090	-0.09	7,014	24,051	-70.8%	65,162	57,632	13.1%
HENRY HUB FINANCIAL LAST	42	69	-39.1%	0	0	0	68	69	-1.4%	0	0	0.0%
RBOB PHY	267	68	292.6%	4,323	3,549	0.22	8,506	15,099	-43.7%	75,745	65,517	15.6%
NATURAL GAS PHY	1,560	22,064	-92.9%	917,024	457,456	1	21,738	262,919	-91.7%	7,029,765	2,360,588	197.8%
CRUDE OIL APO	74	257	-71.2%	0	0	0	7,251	762	851.6%	0	0	0.0%
NATURAL GAS 3 M CSO FIN	0	0	0.0%	0	0	0	250	0	0.0%	0	0	0.0%
NATURAL GAS 1 M CSO FIN	0	200	-100.0%	0	100	-1	200	1,162	-82.8%	0	100	-100.0%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0	0	3,000	-100.0%	26,126	0	0.0%
CRUDE OIL PHY	4,922	42,631	-88.5%	2,437,668	2,279,237	0.07	220,408	1,127,570	-80.5%	27,920,424	22,797,306	22.5%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0	50	9	455.6%	0	0	0.0%
RBOB 1MO CAL SPD OPTIONS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NY HARBOR HEAT OIL SWP	55	106	-48.1%	0	0	0	1,572	1,779	-11.6%	6	16	-62.5%
PJM MONTHLY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	2,000	-100.0%
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0	0	0	125	-100.0%	0	0	0.0%
NG HH 3 MONTH CAL	0	-	-	0	-	-	500	-	-	0	-	-
CRUDE OIL 1MO	0	0	0.0%	56,764	5,495	9.33	100	4,600	-97.8%	590,909	74,237	696.0%
WTI 6 MONTH CALENDAR OPTI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
WTI 12 MONTH CALENDAR OP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL O	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Options</b>												
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW PEAK OP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	4	-1	0	0	0.0%	10	41	-75.6%
NATURAL GAS SUMMER STRIP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NATURAL GAS OPTION ON CA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC MISO PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPEAN JET KEROSENE N	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM CALENDAR STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
APPALACHIAN COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HEATING OIL CRK SPD AVG P	0	-	-	0	-	-	0	-	-	0	-	-
ELECTRICITY OFF PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC FINSETTLED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT 1 MONTH CAL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CRUDE OIL CALNDR STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS 5 M CSO FIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS 2 M CSO FIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS 6 M CSO FIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL CRACK SPREAD AVG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL CALENDAR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ETHANOL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SHORT TERM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS 12 M CSO FIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SHORT TERM CRUDE OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DAILY CRUDE OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM ELECTRIC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50M	0	-	-	0	-	-	0	-	-	0	-	-
LLS CRUDE OIL	0	-	-	0	-	-	0	-	-	0	-	-
EURO-DENOMINATED PETRO	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Options</b>												
COAL API2 INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOLINE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COAL API4 INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
1 MO GASOIL CAL SWAP SPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI CRUDE OIL 12 M CSO F	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
<b>FX Futures</b>												
AUSTRALIAN DOLLAR	281	31	806.5%	1,857,451	1,749,541	0.06	1,733	6,034	-71.3%	21,186,252	19,839,590	6.8%
BRITISH POUND	553	158	250.0%	2,709,798	1,632,281	0.66	1,413	10,893	-87.0%	23,792,144	20,560,353	15.7%
BRAZIL REAL	0	0	0.0%	43,631	30,235	0.44	0	30	-100.0%	475,900	369,762	28.7%
CANADIAN DOLLAR	230	124	85.5%	1,503,266	1,279,375	0.18	977	7,522	-87.0%	15,633,308	14,551,673	7.4%
E-MINI EURO FX	0	0	0.0%	55,493	92,570	-0.4	0	0	0.0%	749,420	1,271,760	-41.1%
EURO FX	394	2,305	-82.9%	3,340,405	4,429,154	-0.25	7,802	54,864	-85.8%	39,537,916	54,775,407	-27.8%
E-MINI JAPANESE YEN	0	0	0.0%	18,458	12,719	0.45	0	0	0.0%	326,031	182,922	78.2%
JAPANESE YEN	357	463	-22.9%	2,332,374	2,970,958	-0.21	3,956	26,631	-85.1%	29,442,091	30,671,346	-4.0%
MEXICAN PESO	0	0	0.0%	1,086,633	841,977	0.29	0	120,694	-100.0%	11,495,167	8,972,906	28.1%
NEW ZEALND DOLLAR	0	0	0.0%	470,683	432,505	0.09	0	732	-100.0%	4,750,044	4,233,260	12.2%
NKR/USD CROSS RATE	0	0	0.0%	807	568	0.42	0	0	0.0%	16,397	10,339	58.6%
RUSSIAN RUBLE	0	0	0.0%	12,807	9,304	0.38	0	4	-100.0%	260,519	162,685	60.1%
S.AFRICAN RAND	0	0	0.0%	21,359	12,603	0.69	0	806	-100.0%	175,510	154,233	13.8%
SWISS FRANC	0	0	0.0%	447,319	379,371	0.18	0	1,073	-100.0%	4,697,868	4,502,103	4.3%
AD/CD CROSS RATES	0	0	0.0%	4	3	0.33	0	0	0.0%	54	212	-74.5%
AD/JY CROSS RATES	0	0	0.0%	1,966	2,387	-0.18	0	0	0.0%	37,453	35,867	4.4%
AD/NE CROSS RATES	0	0	0.0%	9	34	-0.74	0	0	0.0%	679	532	27.6%
BP/JY CROSS RATES	0	0	0.0%	1,147	656	0.75	0	0	0.0%	18,451	11,178	65.1%
BP/SF CROSS RATES	0	0	0.0%	65	22	1.95	0	0	0.0%	431	1,485	-71.0%
CD/JY CROSS RATES	0	0	0.0%	0	17	-1	0	0	0.0%	11	244	-95.5%
EC/AD CROSS RATES	0	0	0.0%	613	1,009	-0.39	0	0	0.0%	16,835	17,741	-5.1%
EC/CD CROSS RATES	0	0	0.0%	1,727	827	1.09	0	0	0.0%	24,774	23,805	4.1%
EC/NOK CROSS RATES	0	0	0.0%	0	0	0	0	21	-100.0%	9	34	-73.5%
EC/SEK CROSS RATES	0	0	0.0%	108	36	2	0	0	0.0%	708	681	4.0%

\*\*\* 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>FX Futures</b>												
EFX/BP CROSS RATES	0	0	0.0%	67,431	45,390	0.49	0	0	0.0%	708,677	585,847	21.0%
EFX/JY CROSS RATES	0	0	0.0%	24,328	33,804	-0.28	0	0	0.0%	386,334	430,235	-10.2%
EFX/SF CROSS RATES	0	0	0.0%	24,758	20,889	0.19	0	0	0.0%	303,848	295,906	2.7%
SF/JY CROSS RATES	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	1,059	680	0.56	0	20	-100.0%	14,975	11,319	32.3%
CZECK KORUNA (US)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CZECK KORUNA (EC)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	0	0	0	0	0	0.0%	0	2	-100.0%
HUNGARIAN FORINT (EC)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
POLISH ZLOTY (US)	0	0	0.0%	1,059	1	1,058	0	0	0.0%	5,379	1,095	391.2%
POLISH ZLOTY (EC)	0	0	0.0%	32	2	15	0	0	0.0%	4,636	2	231,700.0%
SHEKEL	0	0	0.0%	0	0	0	0	0	0.0%	0	6	-100.0%
RMB USD	0	0	0.0%	49	374	-0.87	6	0	0.0%	1,782	4,619	-61.4%
KOREAN WON	0	0	0.0%	0	3	-1	0	0	0.0%	167	264	-36.7%
TURKISH LIRA	0	0	0.0%	0	5	-1	0	0	0.0%	0	26	-100.0%
TURKISH LIRA (EU)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
E-MICRO EUR/USD	0	0	0.0%	210,672	344,378	-0.39	0	0	0.0%	2,744,721	3,723,657	-26.3%
E-MICRO GBP/USD	0	0	0.0%	138,409	39,838	2.47	0	0	0.0%	841,050	427,848	96.6%
E-MICRO USD/CAD	0	0	0.0%	0	0	0	0	0	0.0%	22	12	83.3%
E-MICRO USD/CHF	0	0	0.0%	0	0	0	0	0	0.0%	1	3	-66.7%
E-MICRO USD/JPY	0	0	0.0%	0	0	0	0	0	0.0%	4	102	-96.1%
E-MICRO AUD/USD	0	0	0.0%	100,626	61,402	0.64	0	0	0.0%	1,022,659	557,653	83.4%
MICRO CHF/USD	0	0	0.0%	1,626	2,785	-0.42	0	0	0.0%	18,793	24,038	-21.8%
E-MICRO JPY/USD	0	0	0.0%	20,655	9,257	1.23	0	0	0.0%	287,372	134,437	113.8%
E-MICRO INR/USD	0	0	0.0%	1,921	157	11.24	0	0	0.0%	20,903	2,445	754.9%
FCXRX	0	-	-	3,018	-	-	0	-	-	4,313	-	-
E-MICRO USD/CNH	0	0	0.0%	0	15	-1	0	0	0.0%	61	310	-80.3%
CHINESE RENMINBI (CNH)	0	0	0.0%	1,480	1,445	0.02	0	0	0.0%	13,455	8,658	55.4%
E-MICRO CAD/USD	0	0	0.0%	22,946	16,496	0.39	0	0	0.0%	211,628	134,527	57.3%
INDIAN RUPEE	0	0	0.0%	10,602	10,432	0.02	0	0	0.0%	120,440	114,282	5.4%
USDZAR	0	0	0.0%	0	29	-1	0	0	0.0%	6	509	-98.8%
EURO QUARTERLY VARIANCE	-	0	0.0%	-	0	0	-	0	0.0%	-	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>FX Options</b>												
AUSTRALIAN DOLLAR	280	904	-69.0%	83,441	111,298	-0.25	12,786	24,588	-48.0%	1,303,449	1,288,309	1.2%
BRITISH POUND	2,147	6,878	-68.8%	238,245	145,405	0.64	34,110	106,327	-67.9%	1,994,472	2,142,364	-6.9%
BRAZIL REAL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR	1,357	514	164.0%	76,321	113,493	-0.33	24,810	25,272	-1.8%	1,322,155	1,147,517	15.2%
EURO FX	5,290	18,906	-72.0%	428,776	836,806	-0.49	102,424	289,366	-64.6%	6,452,556	10,190,870	-36.7%
JAPANESE YEN	2,757	10,356	-73.4%	206,021	282,566	-0.27	62,668	117,956	-46.9%	2,856,815	2,337,450	22.2%
MEXICAN PESO	2,410	530	354.7%	5,984	1,565	2.82	4,733	2,940	61.0%	33,102	11,600	185.4%
NEW ZEALND DOLLAR	0	0	0.0%	0	0	0	0	0	0.0%	0	13	-100.0%
RUSSIAN RUBLE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SWISS FRANC	0	50	-100.0%	4,110	11,470	-0.64	272	4,166	-93.5%	61,773	132,724	-53.5%
JAPANESE YEN (EU)	0	0	0.0%	0	535	-1	0	3	-100.0%	5,899	4,114	43.4%
EURO FX (EU)	5	0	0.0%	79	3,255	-0.98	5	5	0.0%	28,458	49,809	-42.9%
SWISS FRANC (EU)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	15	7	1.14	0	0	0.0%	1,804	1,373	31.4%
BRITISH POUND (EU)	0	0	0.0%	69	762	-0.91	0	2	-100.0%	9,151	6,199	47.6%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	38	-1	0	0	0.0%	1,146	1,195	-4.1%
EUR/USD PQO 2pm Fix	1,190	-	-	100,906	-	-	1,702	-	-	149,951	-	-
CAD/USD PQO 2pm Fix	510	-	-	31,074	-	-	510	-	-	51,989	-	-
JPY/USD PQO 2pm Fix	0	-	-	36,611	-	-	19	-	-	67,077	-	-
AUD/USD PQO 2pm Fix	1,680	-	-	22,261	-	-	1,980	-	-	36,437	-	-
GBP/USD PQO 2pm Fix	1,283	-	-	51,605	-	-	1,323	-	-	75,876	-	-
CHF/USD PQO 2pm Fix	0	-	-	1,418	-	-	0	-	-	2,457	-	-
<b>Commodities and Alternative Investments</b>												
<b>Futures</b>												
CORN	37,541	35,181	6.7%	5,091,869	5,428,397	-0.06	424,338	1,167,676	-63.7%	70,536,120	66,358,833	6.3%
SOYBEAN	29,898	32,054	-6.7%	5,483,896	5,802,893	-0.05	306,857	587,157	-47.7%	50,324,457	43,163,973	16.6%
SOYBEAN MEAL	3,017	6,596	-54.3%	1,902,971	2,033,979	-0.06	47,133	156,242	-69.8%	20,905,901	19,077,483	9.6%
SOYBEAN OIL	5,832	7,073	-17.5%	2,340,348	2,456,343	-0.05	45,757	138,126	-66.9%	23,062,748	22,609,341	2.0%
OATS	0	0	0.0%	20,616	11,558	0.78	60	553	-89.2%	181,082	140,420	29.0%
ROUGH RICE	0	0	0.0%	35,213	42,425	-0.17	0	996	-100.0%	248,712	251,081	-0.9%
MINI CORN	0	0	0.0%	11,682	9,370	0.25	0	1,409	-100.0%	119,363	112,453	6.1%

\*\*\* 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Commodities and Alternative Investments</b>												
<b>Futures</b>												
MINI SOYBEAN	0	0	0.0%	35,485	27,342	0.3	0	3,129	-100.0%	243,748	198,067	23.1%
MINI WHEAT	0	0	0.0%	5,393	5,570	-0.03	0	489	-100.0%	64,190	71,605	-10.4%
LIVE CATTLE	2,022	4,383	-53.9%	1,025,850	1,217,674	-0.16	34,211	395,198	-91.3%	10,751,895	10,639,184	1.1%
FEEDER CATTLE	0	87	-100.0%	251,269	242,096	0.04	280	42,730	-99.3%	2,145,270	2,027,324	5.8%
LEAN HOGS	3,518	5,417	-35.1%	758,013	711,244	0.07	22,926	313,713	-92.7%	7,405,411	7,850,296	-5.7%
LUMBER	0	0	0.0%	16,400	20,973	-0.22	0	1,357	-100.0%	147,382	171,632	-14.1%
MILK	284	51	456.9%	23,847	17,919	0.33	1,157	3,228	-64.2%	253,888	223,868	13.4%
MLK MID	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NFD MILK	13	137	-90.5%	5,419	5,057	0.07	13	399	-96.7%	47,356	37,614	25.9%
BUTTER CS	0	0	0.0%	4,744	1,488	2.19	0	0	0.0%	32,646	25,816	26.5%
CLASS IV MILK	70	0	0.0%	1,828	823	1.22	70	149	-53.0%	11,234	9,239	21.6%
DRY WHEY	0	0	0.0%	1,820	1,777	0.02	0	0	0.0%	12,366	16,390	-24.6%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0	0	0	0.0%	1,119	255	338.8%
GOLDMAN SACHS	0	0	0.0%	33,492	28,243	0.19	0	6,135	-100.0%	285,358	285,964	-0.2%
ETHANOL	0	0	0.0%	11,502	10,938	0.05	0	0	0.0%	137,625	162,325	-15.2%
HDD WEATHER	0	0	0.0%	50	150	-0.67	0	0	0.0%	328	227	44.5%
CDD WEATHER	0	0	0.0%	0	0	0	0	0	0.0%	400	260	53.8%
HDD SEASONAL STRIP	0	0	0.0%	0	75	-1	0	0	0.0%	0	127	-100.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	54	-100.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0	0	0	0.0%	100	0	0.0%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	50	0	0.0%
CAT EURO SEASONAL STRIP	0	-	-	0	-	-	0	-	-	0	-	-
WKLY AVG TEMP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HOUSING INDEX	0	0	0.0%	14	9	0.56	0	0	0.0%	93	66	40.9%
DOW-UBS COMMOD INDEX	0	0	0.0%	16,596	16,518	0	0	0	0.0%	322,280	284,941	13.1%
COTTON	0	0	0.0%	9	43	-0.79	0	0	0.0%	575	552	4.2%
COCOA TAS	0	0	0.0%	30	219	-0.86	0	0	0.0%	2,580	1,193	116.3%
COFFEE	0	0	0.0%	3	36	-0.92	0	0	0.0%	168	584	-71.2%
SUGAR 11	0	0	0.0%	2	47	-0.96	0	0	0.0%	415	1,175	-64.7%
USD CRUDE PALM OIL	0	-	-	0	-	-	0	-	-	0	-	-
CASH-SETTLED CHEESE	0	0	0.0%	8,042	7,380	0.09	6	0	0.0%	101,081	90,022	12.3%
OTC SP GSCI ER SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
DOW-UBS COMMOD INDEX SW	-	0	0.0%	-	0	0	-	0	0.0%	-	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Commodities and Alternative Investments</b>												
<b>Futures</b>												
GRAIN BASIS SWAPS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHI WHEAT	16,109	16,984	-5.2%	2,174,818	2,289,872	-0.05	169,127	295,723	-42.8%	25,858,460	25,835,190	0.1%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	6	-100.0%
KC WHEAT	240	794	-69.8%	687,329	488,394	0.41	12,325	18,997	-35.1%	7,635,142	5,835,908	30.8%
Intercommodity Spread	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PALM OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
<b>Commodities and Alternative Investments</b>												
<b>Options</b>												
CORN	501,161	516,533	-3.0%	1,077,572	922,202	0.17	7,131,029	8,579,869	-16.9%	13,255,551	12,772,344	3.8%
SOYBEAN	319,498	498,071	-35.9%	906,630	1,047,157	-0.13	4,448,105	5,745,797	-22.6%	13,330,746	10,462,065	27.4%
SOYBEAN MEAL	50,480	104,260	-51.6%	98,924	143,758	-0.31	636,465	987,926	-35.6%	1,345,295	1,465,826	-8.2%
SOYBEAN OIL	82,700	124,861	-33.8%	77,821	81,774	-0.05	945,404	1,049,095	-9.9%	987,363	593,943	66.2%
SOYBEAN CRUSH	89	374	-76.2%	0	0	0	4,773	1,639	191.2%	0	0	0.0%
OATS	1,382	1,244	11.1%	1,850	411	3.5	6,066	12,353	-50.9%	8,126	5,742	41.5%
ROUGH RICE	199	567	-64.9%	1,046	2,264	-0.54	2,413	5,774	-58.2%	15,256	13,359	14.2%
WHEAT	0	0	0.0%	0	0	0	0	485	-100.0%	0	0	0.0%
LIVE CATTLE	62,054	153,579	-59.6%	227,193	254,322	-0.11	1,143,681	1,007,998	13.5%	2,387,344	2,064,703	15.6%
FEEDER CATTLE	5,402	4,583	17.9%	32,554	32,085	0.01	45,857	36,801	24.6%	305,978	322,669	-5.2%
LEAN HOGS	33,690	58,718	-42.6%	189,256	153,159	0.24	377,051	576,006	-34.5%	1,478,599	1,731,727	-14.6%
LUMBER	5	0	0.0%	1,675	981	0.71	110	18	511.1%	10,268	11,550	-11.1%
MILK	10,694	7,899	35.4%	23,224	9,626	1.41	125,744	100,155	25.5%	171,641	124,011	38.4%
MLK MID	43	61	-29.5%	0	0	0	582	423	37.6%	0	0	0.0%
NFD MILK	1,462	5,730	-74.5%	1,941	1,876	0.03	19,979	33,489	-40.3%	12,267	4,135	196.7%
BUTTER CS	615	230	167.4%	680	70	8.71	9,552	9,468	0.9%	2,553	1,966	29.9%
CLASS IV MILK	409	938	-56.4%	682	515	0.32	2,838	5,320	-46.7%	8,084	2,139	277.9%
DRY WHEY	121	25	384.0%	0	2	-1	902	2,532	-64.4%	55	316	-82.6%
HDD WEATHER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Commodities and Alternative Investments</b>												
<b>Options</b>												
CDD SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOUSING INDEX	0	0	0.0%	0	0	0	0	0	0.0%	18	0	0.0%
CORN NEARBY+2 CAL SPRD	2,158	5,633	-61.7%	0	2	-1	32,733	38,742	-15.5%	82	2,167	-96.2%
SOYBN NEARBY+2 CAL SPRD	1,000	0	0.0%	0	0	0	1,401	280	400.4%	0	0	0.0%
WHEAT NEARBY+2 CAL SPRD	2,508	7,649	-67.2%	454	76	4.97	44,486	118,738	-62.5%	1,791	5,666	-68.4%
JULY-DEC CORN CAL SPRD	0	7,935	-100.0%	0	0	0	36,609	30,551	19.8%	175	827	-78.8%
DEC-JULY WHEAT CAL SPRD	415	0	0.0%	0	0	0	515	35	1,371.4%	0	0	0.0%
JULY-NOV SOYBEAN CAL SPR	1,557	1,033	50.7%	0	0	0	62,026	34,745	78.5%	263	198	32.8%
JULY-DEC WHEAT CAL SPRD	200	0	0.0%	0	0	0	33,374	10,404	220.8%	145	2,292	-93.7%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0	480	0	0.0%	13	0	0.0%
NOV-NOV SOYBEAN CAL SPR	11	0	0.0%	0	0	0	2,982	272	996.3%	0	0	0.0%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0	3,785	300	1,161.7%	0	0	0.0%
LV CATL CSO	5	0	0.0%	0	0	0	265	81	227.2%	0	0	0.0%
SBIN HURR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
JULY-DEC SOYMEAL CAL SPR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	0	0	0	45	-100.0%	0	0	0.0%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0	0	68	-100.0%	0	0	0.0%
SOY OIL NEARBY+2 CAL SPRD	0	0	0.0%	0	0	0	0	75	-100.0%	0	0	0.0%
CASH-SETTLED CHEESE	8,081	4,759	69.8%	2,367	1,807	0.31	52,552	41,755	25.9%	23,117	15,080	53.3%
DEC-JULY CORN CAL SPRD	3,915	2,165	80.8%	10	0	0	20,203	9,575	111.0%	10	460	-97.8%
WHEAT-CORN IC SO	3,210	700	358.6%	0	0	0	15,652	15,250	2.6%	0	0	0.0%
DEC-DEC CORN CAL SPRD	34	1,346	-97.5%	0	0	0	17,851	3,505	409.3%	15	0	0.0%
SNOWFALL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0	20	0	0.0%	0	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MAR-DEC CORN CAL SPRD	0	0	0.0%	0	0	0	0	5,430	-100.0%	0	0	0.0%
CHI WHEAT	114,576	215,495	-46.8%	347,067	346,481	0	1,717,953	2,849,546	-39.7%	4,247,002	3,654,041	16.2%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0	2,416	0	0.0%	4	0	0.0%
KC WHEAT	3,220	13,350	-75.9%	7,930	7,416	0.07	149,642	278,847	-46.3%	156,725	128,711	21.8%
MAR-JULY WHEAT CAL SPRD	0	5,295	-100.0%	0	2	-1	1,650	5,605	-70.6%	0	8	-100.0%
AUG-DEC SOYBEAN MEAL CS	0	-	-	0	-	-	5	-	-	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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Commodities and Alternative Investments</b>												
<b>Options</b>												
Intercommodity Spread	0	325	-100.0%	0	0	0	3,395	959	254.0%	0	0	0.0%
SEP-DEC SOYBEAN MEAL CSC	0	0	0.0%	0	0	0	0	1,050	-100.0%	0	10	-100.0%
DEC-JUL SOYBEAN OIL CSO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MAY-NOV SOYBEAN CAL SPR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NOV-DEC SOYBEAN CSO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
<b>Ags Futures</b>												
WHEAT	0	-	-	44,388	-	-	0	-	-	65,098	-	-
<b>Ags Options</b>												
WHEAT	0	-	-	105	-	-	0	-	-	357	-	-
<b>Foreign Exchange Futures</b>												
CHILEAN PESO	0	0	0.0%	0	7	-1	6	0	0.0%	4	71	-94.4%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	555,959	776,332	-28.4%	89,802,506	90,678,264	-1.0%	7,195,328	11,828,887	-39.2%	1,098,905,527	1,074,859,818	2.2%
Equity Index Futures	35,316	60,866	-42.0%	41,851,654	46,959,377	-10.9%	1,113,843	1,466,514	-24.0%	509,585,183	467,484,281	9.0%
Metals Futures	3,038	13,755	-77.9%	6,830,483	5,551,083	23.0%	101,475	639,941	-84.1%	80,492,075	61,948,418	29.9%
Energy Futures	760	15,161	-95.0%	40,506,918	32,924,407	23.0%	27,076	212,679	-87.3%	387,249,404	312,392,876	24.0%
FX Futures	1,815	3,081	-41.1%	14,536,794	14,465,534	0.5%	15,887	229,324	-93.1%	159,349,198	166,807,920	-4.5%
Commodities and Alternative Inve	98,544	108,757	-9.4%	19,948,550	20,878,852	-4.5%	1,064,260	3,133,406	-66.0%	220,839,543	205,483,468	7.5%
Ags Futures	0	-	-	44,388	-	-	0	-	-	65,098	-	-
Foreign Exchange Futures	0	0	0.0%	0	7	-100.0%	6	0	0.0%	4	71	-94.4%
<b>TOTAL FUTURES</b>	<b>695,432</b>	<b>977,952</b>	<b>-28.9%</b>	<b>213,521,293</b>	<b>211,457,524</b>	<b>1.0%</b>	<b>9,517,875</b>	<b>17,510,751</b>	<b>-45.6%</b>	<b>2,456,486,032</b>	<b>2,288,976,852</b>	<b>7.3%</b>

\*\*\* 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	914,119	956,471	-4.4%	11,532,779	11,540,581	-0.1%	11,290,853	9,993,192	13.0%	118,670,211	108,201,375	9.7%
Interest Rate Options	14,043,439	19,607,828	-28.4%	11,566,673	11,536,274	0.3%	196,286,716	192,050,265	2.2%	137,522,726	115,370,436	19.2%
Metals Options	25,479	108,772	-76.6%	707,940	560,687	26.3%	677,084	1,022,536	-33.8%	6,799,307	5,156,696	31.9%
Energy Options	7,320	66,892	-89.1%	3,428,918	2,750,931	24.6%	277,566	1,443,440	-80.8%	35,733,455	25,357,449	40.9%
FX Options	18,909	38,138	-50.4%	1,286,936	1,507,200	-14.6%	247,342	570,625	-56.7%	14,454,567	17,313,537	-16.5%
Commodities and Alternative Inve	1,210,894	1,743,358	-30.5%	2,998,876	3,005,986	-0.2%	17,100,546	21,601,006	-20.8%	37,748,486	33,385,955	13.1%
Ags Options	0	-	-	105	-	-	0	-	-	357	-	-
<b>TOTAL OPTIONS</b>	<b>16,220,160</b>	<b>22,521,459</b>	<b>-28.0%</b>	<b>31,522,227</b>	<b>30,901,659</b>	<b>2.0%</b>	<b>225,880,107</b>	<b>226,681,064</b>	<b>-0.4%</b>	<b>350,929,109</b>	<b>304,785,448</b>	<b>15.1%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	14,599,398	20,384,160	-28.4%	101,369,179	102,214,538	-0.8%	203,482,044	203,879,152	-0.2%	1,236,428,253	1,190,230,254	3.9%
Equity Index	949,435	1,017,337	-6.7%	53,384,433	58,499,958	-8.7%	12,404,696	11,459,706	8.2%	628,255,394	575,685,656	9.1%
Metals	28,517	122,527	-76.7%	7,538,423	6,111,770	23.3%	778,559	1,662,477	-53.2%	87,291,382	67,105,114	30.1%
Energy	8,080	82,053	-90.2%	43,935,836	35,675,338	23.2%	304,642	1,656,119	-81.6%	422,982,859	337,750,325	25.2%
FX	20,724	41,219	-49.7%	15,823,730	15,972,734	-0.9%	263,229	799,949	-67.1%	173,803,765	184,121,457	-5.6%
Commodities and Alternative Inve	1,309,438	1,852,115	-29.3%	22,947,426	23,884,838	-3.9%	18,164,806	24,734,412	-26.6%	258,588,029	238,869,423	8.3%
Ags	0	-	-	44,493	-	-	0	-	-	65,455	-	-
Foreign Exchange	0	0	0.0%	0	7	-100.0%	6	0	0.0%	4	71	-94.4%
<b>GRAND TOTAL</b>	<b>16,915,592</b>	<b>23,499,411</b>	<b>-28.0%</b>	<b>245,043,520</b>	<b>242,359,183</b>	<b>1.1%</b>	<b>235,397,982</b>	<b>244,191,815</b>	<b>-3.6%</b>	<b>2,807,415,141</b>	<b>2,593,762,300</b>	<b>8.2%</b>

\*\*\* 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.