



CME Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2016	Open Outcry NOV 2015	% CHG	ELEC NOV 2016	ELEC NOV 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
Interest Rate Futures												
EUROYEN	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EURODOLLARS	918,116	540,507	69.9%	82,265,871	38,469,649	113.8%	6,234,448	5,661,394	10.1%	579,549,134	529,464,044	9.5%
1-MONTH EURODOLLAR	0	0	0.0%	2,171	7,115	-69.5%	0	0	0.0%	12,883	55,964	-77.0%
2YR BUNDLE	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	595	-100.0%
EURO 5YR BUNDLE	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	38	-100.0%
3YR BUNDLE	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	168	-100.0%
Interest Rate Options												
EURODOLLARS	9,676,460	6,002,281	61.2%	5,076,847	1,750,229	190.1%	110,543,177	76,201,196	45.1%	34,237,463	16,520,989	107.2%
EURO MIDCURVE	12,137,615	8,168,168	48.6%	4,774,237	3,170,582	50.6%	75,624,393	86,676,279	-12.8%	33,239,085	24,588,153	35.2%

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 Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2016	Open Outcry NOV 2015	% CHG	ELEC NOV 2016	ELEC NOV 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
Equity Index Futures												
E-MINI S&P500	0	0	0.0%	38,107,532	28,574,323	33.4%	0	0	0.0%	435,379,174	385,673,807	12.9%
S&P 500	61,717	72,355	-14.7%	9,162	11,527	-20.5%	1,175,560	1,505,345	-21.9%	108,496	175,185	-38.1%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	1	-100.0%	0	0	0.0%	0	1	-100.0%
E-MINI MIDCAP	0	0	0.0%	342,132	317,887	7.6%	0	0	0.0%	4,669,093	4,650,977	0.4%
S&P 400 MIDCAP	0	0	0.0%	0	0	0.0%	0	39	-100.0%	0	0	0.0%
S&P 500 GROWTH	0	0	0.0%	11	15	-26.7%	0	0	0.0%	231	347	-33.4%
S&P 500/VALUE	0	0	0.0%	3,042	193	1,476.2%	0	0	0.0%	30,544	487	6,171.9%
E-MINI RUSSELL 1000	0	0	0.0%	75	629	-88.1%	0	0	0.0%	4,229	785	438.7%
E-MINI NASDAQ 100	0	0	0.0%	5,328,024	4,382,438	21.6%	0	0	0.0%	60,610,735	60,628,928	0.0%
NASDAQ	0	0	0.0%	0	0	0.0%	0	23,063	-100.0%	0	2,120	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	292,242	209,405	39.6%	0	0	0.0%	3,978,936	3,818,862	4.2%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	1,322,841	876,705	50.9%	0	0	0.0%	13,725,302	12,079,376	13.6%
DJ US REAL ESTATE	0	-	-	3,250	-	-	0	-	-	4,817	-	-
NASDAQ BIOTECH	0	0	0.0%	0	0	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%	0	1,018	-100.0%
S&P ENERGY SECTOR	0	0	0.0%	16,589	9,464	75.3%	0	0	0.0%	110,418	76,087	45.1%
S&P FINANCIAL SECTOR	0	0	0.0%	13,642	3,399	301.4%	0	0	0.0%	83,014	28,106	195.4%
S&P TECHNOLOGY SECTOR	0	0	0.0%	4,886	2,636	85.4%	0	0	0.0%	52,821	30,173	75.1%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	8,101	5,791	39.9%	0	0	0.0%	58,127	63,151	-8.0%
S&P HEALTH CARE SECTOR	0	0	0.0%	14,794	9,547	55.0%	0	0	0.0%	89,449	105,647	-15.3%
S&P MATERIALS SECTOR	0	0	0.0%	8,053	2,825	185.1%	0	0	0.0%	52,934	34,245	54.6%
S&P INDUSTRIAL SECTOR	0	0	0.0%	7,036	3,576	96.8%	0	0	0.0%	34,543	30,407	13.6%
S&P CONSUMER STAPLES SE	0	0	0.0%	8,527	1,587	437.3%	0	0	0.0%	83,540	37,404	123.3%
S&P UTILITIES SECTOR	0	0	0.0%	17,540	7,746	126.4%	0	0	0.0%	136,825	96,161	42.3%
IBOVESPA INDEX	0	0	0.0%	729	282	158.5%	0	0	0.0%	7,931	4,455	78.0%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	90	437	-79.4%	0	0	0.0%	4,444	525	746.5%
FT-SE 100	0	0	0.0%	2,253	1,374	64.0%	0	0	0.0%	19,068	2,555	646.3%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	120	369	-67.5%	0	0	0.0%	2,746	455	503.5%
NIFTY 50	0	0	0.0%	11,098	1,894	486.0%	0	0	0.0%	115,169	14,448	697.1%

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 Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2016	Open Outcry NOV 2015	% CHG	ELEC NOV 2016	ELEC NOV 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
Equity Index Options												
E-MINI S&P500	0	33,135	-100.0%	5,434,665	5,710,189	-4.8%	110,315	226,100	-51.2%	53,975,060	70,911,217	-23.9%
S&P 500	375,320	612,742	-38.7%	0	0	0.0%	5,403,463	8,234,316	-34.4%	0	106	-100.0%
E-MINI MIDCAP	0	0	0.0%	0	7	-100.0%	0	0	0.0%	17	37	-54.1%
E-MINI NASDAQ 100	0	0	0.0%	200,488	160,865	24.6%	0	0	0.0%	2,405,403	1,321,028	82.1%
NASDAQ	0	0	0.0%	0	0	0.0%	0	30	-100.0%	0	0	0.0%
EOM S&P 500	160,586	100,567	59.7%	0	0	0.0%	1,897,310	1,178,713	61.0%	0	0	0.0%
EOM EMINI S&P	0	0	0.0%	2,216,164	656,907	237.4%	0	1,500	-100.0%	18,614,562	11,992,306	55.2%
EOW1 S&P 500	44,233	45,466	-2.7%	0	0	0.0%	669,450	374,674	78.7%	0	0	0.0%
EOW1 EMINI S&P 500	0	0	0.0%	1,038,385	1,016,657	2.1%	0	3,000	-100.0%	10,996,213	10,953,932	0.4%
EOW2 S&P 500	134,589	87,264	54.2%	0	0	0.0%	1,425,200	849,501	67.8%	0	0	0.0%
EOW2 EMINI S&P 500	0	0	0.0%	1,907,664	954,863	99.8%	0	0	0.0%	12,106,035	11,263,488	7.5%
EOW4 EMINI S&P 500	0	0	0.0%	746,612	632,307	18.1%	0	4,500	-100.0%	11,943,035	10,774,672	10.8%
EOW3 S&P 500	396,502	-	-	0	-	-	2,869,345	-	-	0	-	-
EOW3 EMINI S&P 500	0	-	-	4,197,884	-	-	27,000	-	-	24,263,975	-	-
FX Futures												
AUSTRALIAN DOLLAR	108	30	260.0%	2,303,056	1,594,955	44.4%	1,841	6,064	-69.6%	23,489,308	21,434,545	9.6%
BRITISH POUND	67	12	458.3%	2,677,083	1,497,924	78.7%	1,480	10,905	-86.4%	26,469,227	22,058,277	20.0%
BRAZIL REAL	0	0	0.0%	58,624	53,230	10.1%	0	30	-100.0%	534,524	422,992	26.4%
CANADIAN DOLLAR	85	70	21.4%	1,611,566	1,034,216	55.8%	1,062	7,592	-86.0%	17,244,874	15,585,889	10.6%
E-MINI EURO FX	0	0	0.0%	91,063	80,516	13.1%	0	0	0.0%	840,483	1,352,276	-37.8%
EURO FX	322	1,657	-80.6%	4,571,421	4,219,543	8.3%	8,124	56,521	-85.6%	44,109,337	58,994,950	-25.2%
E-MINI JAPANESE YEN	0	0	0.0%	35,894	8,967	300.3%	0	0	0.0%	361,925	191,889	88.6%
JAPANESE YEN	393	18	2,083.3%	3,878,864	2,195,401	76.7%	4,349	26,649	-83.7%	33,320,955	32,866,747	1.4%
MEXICAN PESO	0	0	0.0%	1,440,561	677,523	112.6%	0	120,694	-100.0%	12,935,728	9,650,429	34.0%
NEW ZEALND DOLLAR	0	0	0.0%	567,708	342,176	65.9%	0	732	-100.0%	5,317,752	4,575,436	16.2%
NKR/USD CROSS RATE	0	0	0.0%	1,413	583	142.4%	0	0	0.0%	17,810	10,922	63.1%
RUSSIAN RUBLE	0	0	0.0%	27,231	11,209	142.9%	0	4	-100.0%	287,750	173,894	65.5%
S.AFRICAN RAND	0	0	0.0%	28,531	15,570	83.2%	0	806	-100.0%	204,041	169,803	20.2%
SWISS FRANC	0	0	0.0%	601,140	455,448	32.0%	0	1,073	-100.0%	5,299,008	4,957,551	6.9%
AD/CD CROSS RATES	0	0	0.0%	5	6	-16.7%	0	0	0.0%	59	218	-72.9%
AD/JY CROSS RATES	0	0	0.0%	3,499	2,969	17.9%	0	0	0.0%	40,952	38,836	5.4%
AD/NE CROSS RATES	0	0	0.0%	11	9	22.2%	0	0	0.0%	690	541	27.5%

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 Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2016	Open Outcry NOV 2015	% CHG	ELEC NOV 2016	ELEC NOV 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
FX Futures												
BP/JY CROSS RATES	0	0	0.0%	1,711	882	94.0%	0	0	0.0%	20,162	12,060	67.2%
BP/SF CROSS RATES	0	0	0.0%	46	3	1,433.3%	0	0	0.0%	477	1,488	-67.9%
CD/JY CROSS RATES	0	0	0.0%	4	0	0.0%	0	0	0.0%	15	244	-93.9%
EC/AD CROSS RATES	0	0	0.0%	925	796	16.2%	0	0	0.0%	17,760	18,537	-4.2%
EC/CD CROSS RATES	0	0	0.0%	2,407	1,233	95.2%	0	0	0.0%	27,181	25,038	8.6%
EC/NOK CROSS RATES	0	0	0.0%	0	4	-100.0%	0	21	-100.0%	9	38	-76.3%
EC/SEK CROSS RATES	0	0	0.0%	162	3	5,300.0%	0	0	0.0%	870	684	27.2%
EFX/BP CROSS RATES	0	0	0.0%	53,570	41,082	30.4%	0	0	0.0%	762,247	626,929	21.6%
EFX/JY CROSS RATES	0	0	0.0%	37,254	29,017	28.4%	0	0	0.0%	423,588	459,252	-7.8%
EFX/SF CROSS RATES	0	0	0.0%	25,644	19,568	31.1%	0	0	0.0%	329,492	315,474	4.4%
SF/JY CROSS RATES	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	999	892	12.0%	0	20	-100.0%	15,974	12,211	30.8%
CZECK KORUNA (US)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CZECK KORUNA (EC)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HUNGARIAN FORINT (US)	0	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	0.0%
POLISH ZLOTY (US)	0	0	0.0%	1,790	51	3,409.8%	0	0	0.0%	7,169	1,146	525.6%
POLISH ZLOTY (EC)	0	0	0.0%	42	0	0.0%	0	0	0.0%	4,678	2	233,800.0%
SHEKEL	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6	-100.0%
RMB USD	0	0	0.0%	81	192	-57.8%	6	0	0.0%	1,863	4,811	-61.3%
KOREAN WON	0	0	0.0%	5	35	-85.7%	0	0	0.0%	172	299	-42.5%
TURKISH LIRA	0	0	0.0%	0	0	0.0%	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	0.0%
E-MICRO EUR/USD	0	0	0.0%	323,163	250,981	28.8%	0	0	0.0%	3,067,884	3,974,638	-22.8%
E-MICRO GBP/USD	0	0	0.0%	134,410	28,447	372.5%	0	0	0.0%	975,460	456,295	113.8%
E-MICRO USD/CAD	0	0	0.0%	0	0	0.0%	0	0	0.0%	22	12	83.3%
E-MICRO USD/CHF	0	0	0.0%	0	2	-100.0%	0	0	0.0%	1	5	-80.0%
E-MICRO USD/JPY	0	0	0.0%	0	1	-100.0%	0	0	0.0%	4	103	-96.1%
E-MICRO AUD/USD	0	0	0.0%	125,748	43,773	187.3%	0	0	0.0%	1,148,407	601,426	90.9%
MICRO CHF/USD	0	0	0.0%	1,707	1,687	1.2%	0	0	0.0%	20,500	25,725	-20.3%
INDIAN RUPEE	0	0	0.0%	24,514	9,053	170.8%	0	0	0.0%	144,954	123,335	17.5%
EURO QUARTERLY VARIANCE	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
USDZAR	0	0	0.0%	0	40	-100.0%	0	0	0.0%	6	549	-98.9%
E-MICRO INR/USD	0	0	0.0%	5,760	59	9,662.7%	0	0	0.0%	26,663	2,504	964.8%
E-MICRO JPY/USD	0	0	0.0%	58,401	7,000	734.3%	0	0	0.0%	345,773	141,437	144.5%

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 Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2016	Open Outcry NOV 2015	% CHG	ELEC NOV 2016	ELEC NOV 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
FX Futures												
CHINESE RENMINBI (CNH)	0	0	0.0%	2,824	2,207	28.0%	0	0	0.0%	16,279	10,865	49.8%
FCXRX	0	-	-	8,186	-	-	0	-	-	12,499	-	-
E-MICRO USD/CNH	0	0	0.0%	0	14	-100.0%	0	0	0.0%	61	324	-81.2%
E-MICRO CAD/USD	0	0	0.0%	20,779	9,498	118.8%	0	0	0.0%	232,407	144,025	61.4%
FX Options												
AUSTRALIAN DOLLAR	936	573	63.4%	89,905	109,152	-17.6%	13,722	25,161	-45.5%	1,393,354	1,397,461	-0.3%
BRITISH POUND	271	5,475	-95.1%	144,797	154,000	-6.0%	34,381	111,802	-69.2%	2,139,269	2,296,364	-6.8%
BRAZIL REAL	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR	674	750	-10.1%	51,216	85,845	-40.3%	25,484	26,022	-2.1%	1,373,371	1,233,362	11.4%
EURO FX	3,456	11,343	-69.5%	593,784	848,861	-30.0%	105,880	300,709	-64.8%	7,046,340	11,039,731	-36.2%
JAPANESE YEN	3,016	6,307	-52.2%	268,149	175,508	52.8%	65,684	124,263	-47.1%	3,124,964	2,512,958	24.4%
MEXICAN PESO	3,017	420	618.3%	9,074	797	1,038.5%	7,750	3,360	130.7%	42,176	12,397	240.2%
NEW ZEALND DOLLAR	0	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	0.0%
SWISS FRANC	0	680	-100.0%	6,761	24,227	-72.1%	272	4,846	-94.4%	68,534	156,951	-56.3%
JAPANESE YEN (EU)	0	0	0.0%	38	218	-82.6%	0	3	-100.0%	5,937	4,332	37.0%
EURO FX (EU)	0	0	0.0%	110	4,477	-97.5%	5	5	0.0%	28,568	54,286	-47.4%
SWISS FRANC (EU)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	7	66	-89.4%	0	0	0.0%	1,811	1,439	25.9%
BRITISH POUND (EU)	0	0	0.0%	13	335	-96.1%	0	2	-100.0%	9,164	6,534	40.3%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	72	-100.0%	0	0	0.0%	1,146	1,267	-9.6%
EUR/USD PQO 2pm Fix	968	-	-	248,305	-	-	2,670	-	-	398,256	-	-
JPY/USD PQO 2pm Fix	1,300	-	-	144,436	-	-	1,319	-	-	211,513	-	-
AUD/USD PQO 2pm Fix	60	-	-	64,920	-	-	2,040	-	-	101,357	-	-
CHF/USD PQO 2pm Fix	0	-	-	5,420	-	-	0	-	-	7,877	-	-
CAD/USD PQO 2pm Fix	0	-	-	49,668	-	-	510	-	-	101,657	-	-
GBP/USD PQO 2pm Fix	0	-	-	59,550	-	-	1,323	-	-	135,426	-	-

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 Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2016	Open Outcry NOV 2015	% CHG	ELEC NOV 2016	ELEC NOV 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
Commodities and Alternative Investments												
Futures												
LIVE CATTLE	1,599	6,134	-73.9%	1,254,423	1,207,315	3.9%	35,810	401,332	-91.1%	12,006,318	11,846,499	1.3%
FEEDER CATTLE	11	14	-21.4%	191,036	192,210	-0.6%	291	42,744	-99.3%	2,336,306	2,219,534	5.3%
LEAN HOGS	2,273	4,137	-45.1%	911,411	832,536	9.5%	25,199	317,850	-92.1%	8,316,822	8,682,832	-4.2%
LUMBER	0	0	0.0%	13,377	11,341	18.0%	0	1,357	-100.0%	160,759	182,973	-12.1%
MILK	318	0	0.0%	27,816	22,449	23.9%	1,475	3,228	-54.3%	281,704	246,317	14.4%
MLK MID	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NFD MILK	0	0	0.0%	4,104	5,259	-22.0%	13	399	-96.7%	51,460	42,873	20.0%
BUTTER CS	0	0	0.0%	2,763	2,085	32.5%	0	0	0.0%	35,409	27,901	26.9%
CLASS IV MILK	0	0	0.0%	1,418	673	110.7%	70	149	-53.0%	12,652	9,912	27.6%
DRY WHEY	0	0	0.0%	1,821	1,970	-7.6%	0	0	0.0%	14,187	18,360	-22.7%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,119	255	338.8%
GOLDMAN SACHS	0	0	0.0%	38,412	28,918	32.8%	0	6,135	-100.0%	323,770	314,882	2.8%
HDD WEATHER	0	0	0.0%	251	1,125	-77.7%	0	0	0.0%	579	1,352	-57.2%
CDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	400	260	53.8%
HDD SEASONAL STRIP	0	0	0.0%	0	75	-100.0%	0	0	0.0%	0	202	-100.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	54	-100.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	50	-100.0%	0	0	0.0%	100	50	100.0%
CAT WEATHER EUROPEAN	0	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%	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	0.0%
HOUSING INDEX	0	0	0.0%	46	17	170.6%	0	0	0.0%	139	83	67.5%
OTC SP GSCI ER SWAP	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
USD CRUDE PALM OIL	0	-	-	0	-	-	0	-	-	0	-	-
CASH-SETTLED CHEESE	0	0	0.0%	7,325	11,756	-37.7%	6	0	0.0%	108,406	101,778	6.5%
MALAYSIAN PALM SWAP	0	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	0.0%
PALM OIL	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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 Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2016	Open Outcry NOV 2015	% CHG	ELEC NOV 2016	ELEC NOV 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
Commodities and Alternative Investments												
Options												
LIVE CATTLE	49,258	187,591	-73.7%	208,829	239,517	-12.8%	1,192,939	1,195,589	-0.2%	2,596,173	2,304,220	12.7%
FEEDER CATTLE	4,147	4,105	1.0%	27,088	28,052	-3.4%	50,004	40,906	22.2%	333,066	350,721	-5.0%
LEAN HOGS	21,607	62,004	-65.2%	133,110	239,183	-44.3%	398,658	638,010	-37.5%	1,611,709	1,970,910	-18.2%
LUMBER	2	0	0.0%	1,116	772	44.6%	112	18	522.2%	11,384	12,322	-7.6%
MILK	13,659	9,062	50.7%	18,506	9,599	92.8%	139,403	109,217	27.6%	190,147	133,610	42.3%
MLK MID	168	48	250.0%	0	0	0.0%	750	471	59.2%	0	0	0.0%
NFD MILK	381	3,122	-87.8%	956	998	-4.2%	20,360	36,611	-44.4%	13,223	5,133	157.6%
BUTTER CS	510	153	233.3%	749	48	1,460.4%	10,062	9,621	4.6%	3,302	2,014	64.0%
CLASS IV MILK	130	62	109.7%	943	328	187.5%	2,968	5,382	-44.9%	9,027	2,467	265.9%
DRY WHEY	39	20	95.0%	36	0	0.0%	941	2,552	-63.1%	91	316	-71.2%
HDD WEATHER	0	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	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	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	0.0%
CAT WEATHER EUROPEAN	0	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	0.0%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	18	0	0.0%
LV CATL CSO	5	0	0.0%	0	0	0.0%	270	81	233.3%	0	0	0.0%
SBIN HURR	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CASH-SETTLED CHEESE	5,009	9,087	-44.9%	1,407	2,036	-30.9%	57,561	50,842	13.2%	24,524	17,116	43.3%
SNOWFALL	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	0	0	0.0%	6	0	0.0%	4	71	-94.4%

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 Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2016	Open Outcry NOV 2015	% CHG	ELEC NOV 2016	ELEC NOV 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
TOTAL FUTURES GROUP												
Interest Rate Futures	918,116	540,507	69.9%	82,268,042	38,476,764	113.8%	6,234,448	5,661,394	10.1%	579,562,017	529,520,809	9.5%
Equity Index Futures	61,717	72,355	-14.7%	45,521,769	34,424,050	32.2%	1,175,560	1,528,447	-23.1%	519,362,604	467,555,712	11.1%
FX Futures	975	1,787	-45.4%	18,727,802	12,636,765	48.2%	16,862	231,111	-92.7%	178,077,000	179,444,685	-0.8%
Commodities and Alternative Inve	4,201	10,285	-59.2%	2,454,203	2,317,779	5.9%	62,864	773,194	-91.9%	23,650,180	23,696,117	-0.2%
Foreign Exchange Futures	0	0	0.0%	0	0	0.0%	6	0	0.0%	4	71	-94.4%
TOTAL FUTURES	985,009	624,934	57.6%	148,971,816	87,855,358	69.6%	7,489,740	8,194,146	-8.6%	1,300,651,805	1,200,217,394	8.4%
TOTAL OPTIONS GROUP												
Equity Index Options	1,111,230	879,174	26.4%	15,741,862	9,131,795	72.4%	12,402,083	10,872,334	14.1%	134,304,300	117,216,786	14.6%
Interest Rate Options	21,814,075	14,170,449	53.9%	9,851,084	4,920,811	100.2%	186,167,570	162,877,475	14.3%	67,476,548	41,109,142	64.1%
FX Options	13,698	25,548	-46.4%	1,736,153	1,403,558	23.7%	261,040	596,173	-56.2%	16,190,720	18,717,095	-13.5%
Commodities and Alternative Inve	94,915	275,254	-65.5%	392,740	520,533	-24.6%	1,874,028	2,089,300	-10.3%	4,792,664	4,798,829	-0.1%
TOTAL OPTIONS	23,033,918	15,350,425	50.1%	27,721,839	15,976,697	73.5%	200,704,721	176,435,282	13.8%	222,764,232	181,841,852	22.5%
TOTAL COMBINED												
Interest Rate	22,732,191	14,710,956	54.5%	92,119,126	43,397,575	112.3%	192,402,018	168,538,869	14.2%	647,038,565	570,629,951	13.4%
Equity Index	1,172,947	951,529	23.3%	61,263,631	43,555,845	40.7%	13,577,643	12,400,781	9.5%	653,666,904	584,772,498	11.8%
FX	14,673	27,335	-46.3%	20,463,955	14,040,323	45.8%	277,902	827,284	-66.4%	194,267,720	198,161,780	-2.0%
Commodities and Alternative Inve	99,116	285,539	-65.3%	2,846,943	2,838,312	0.3%	1,936,892	2,862,494	-32.3%	28,442,844	28,494,946	-0.2%
Foreign Exchange	0	0	0.0%	0	0	0.0%	6	0	0.0%	4	71	-94.4%
GRAND TOTAL	24,018,927	15,975,359	50.3%	176,693,655	103,832,055	70.2%	208,194,461	184,629,428	12.8%	1,523,416,037	1,382,059,246	10.2%

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.