



CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2016	Open Outcry DEC 2015	% CHG	ELEC DEC 2016	ELEC DEC 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	609,682	660,880	-7.7%	60,044,347	44,568,828	34.7%	6,844,130	6,322,274	8.3%	639,593,481	574,032,872	11.4%
1-MONTH EURODOLLAR	0	0	0.0%	4,604	6,458	-28.7%	0	0	0.0%	17,487	62,422	-72.0%
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	6,728,851	7,663,105	-12.2%	2,246,552	2,183,319	2.9%	117,272,028	83,864,301	39.8%	36,484,015	18,704,308	95.1%
EURO MIDCURVE	10,980,373	8,353,601	31.4%	4,293,940	3,235,518	32.7%	86,604,766	95,029,880	-8.9%	37,533,025	27,823,671	34.9%

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Equity Index Futures												
E-MINI S&P500	0	0	0.0%	35,985,492	43,175,295	-16.7%	0	0	0.0%	471,364,666	428,849,102	9.9%
S&P 500	210,852	249,219	-15.4%	5,327	9,136	-41.7%	1,386,412	1,754,564	-21.0%	113,823	184,321	-38.2%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1	-100.0%
E-MINI MIDCAP	0	0	0.0%	503,729	596,385	-15.5%	0	0	0.0%	5,172,822	5,247,362	-1.4%
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%	59	54	9.3%	0	0	0.0%	290	401	-27.7%
S&P 500/VALUE	0	0	0.0%	4,065	518	684.7%	0	0	0.0%	34,609	1,005	3,343.7%
E-MINI RUSSELL 1000	0	0	0.0%	984	2,003	-50.9%	0	0	0.0%	5,213	2,788	87.0%
E-MINI NASDAQ 100	0	0	0.0%	4,394,390	6,245,952	-29.6%	0	0	0.0%	65,005,125	66,874,880	-2.8%
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%	307,985	412,710	-25.4%	0	0	0.0%	4,286,921	4,231,572	1.3%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	1,053,129	1,237,111	-14.9%	0	0	0.0%	14,778,431	13,316,487	11.0%
DJ US REAL ESTATE	0	-	-	748	-	-	0	-	-	5,565	-	-
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%	14,608	7,020	108.1%	0	0	0.0%	125,026	83,107	50.4%
S&P FINANCIAL SECTOR	0	0	0.0%	18,275	7,416	146.4%	0	0	0.0%	101,289	35,522	185.1%
S&P TECHNOLOGY SECTOR	0	0	0.0%	6,667	4,330	54.0%	0	0	0.0%	59,488	34,503	72.4%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	11,094	5,494	101.9%	0	0	0.0%	69,221	68,645	0.8%
S&P HEALTH CARE SECTOR	0	0	0.0%	11,029	8,212	34.3%	0	0	0.0%	100,478	113,859	-11.8%
S&P MATERIALS SECTOR	0	0	0.0%	10,770	3,540	204.2%	0	0	0.0%	63,704	37,785	68.6%
S&P INDUSTRIAL SECTOR	0	0	0.0%	11,831	3,482	239.8%	0	0	0.0%	46,374	33,889	36.8%
S&P CONSUMER STAPLES SE	0	0	0.0%	14,182	8,445	67.9%	0	0	0.0%	97,722	45,849	113.1%
S&P UTILITIES SECTOR	0	0	0.0%	18,775	15,315	22.6%	0	0	0.0%	155,600	111,476	39.6%
IBOVESPA INDEX	0	0	0.0%	947	635	49.1%	0	0	0.0%	8,878	5,090	74.4%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	946	1,204	-21.4%	0	0	0.0%	5,390	1,729	211.7%
FT-SE 100	0	0	0.0%	1,799	1,970	-8.7%	0	0	0.0%	20,867	4,525	361.1%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	669	1,327	-49.6%	0	0	0.0%	3,415	1,782	91.6%
NIFTY 50	0	0	0.0%	1,923	4,037	-52.4%	0	0	0.0%	117,092	18,485	533.4%



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Equity Index Options												
E-MINI S&P500	0	0	0.0%	4,802,448	6,630,687	-27.6%	110,315	226,100	-51.2%	58,777,508	77,541,904	-24.2%
S&P 500	268,782	865,366	-68.9%	0	0	0.0%	5,672,245	9,099,682	-37.7%	0	106	-100.0%
E-MINI MIDCAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	17	37	-54.1%
E-MINI NASDAQ 100	0	0	0.0%	162,656	214,548	-24.2%	0	0	0.0%	2,568,059	1,535,576	67.2%
NASDAQ	0	0	0.0%	0	0	0.0%	0	30	-100.0%	0	0	0.0%
EOM S&P 500	172,257	101,845	69.1%	0	0	0.0%	2,069,567	1,280,558	61.6%	0	0	0.0%
EOM EMINI S&P	0	0	0.0%	2,283,508	1,284,031	77.8%	0	1,500	-100.0%	20,898,070	13,276,337	57.4%
EOW1 S&P 500	37,132	6,886	439.2%	0	0	0.0%	706,582	381,560	85.2%	0	0	0.0%
EOW1 EMINI S&P 500	0	0	0.0%	714,471	595,307	20.0%	0	3,000	-100.0%	11,710,684	11,549,239	1.4%
EOW2 S&P 500	114,541	102,774	11.4%	0	0	0.0%	1,539,741	952,275	61.7%	0	0	0.0%
EOW2 EMINI S&P 500	0	0	0.0%	886,740	1,294,999	-31.5%	0	0	0.0%	12,992,775	12,558,487	3.5%
EOW4 EMINI S&P 500	0	0	0.0%	980,775	965,759	1.6%	0	4,500	-100.0%	12,923,810	11,740,431	10.1%
EOW3 S&P 500	286,878	-	-	0	-	-	3,156,223	-	-	0	-	-
EOW3 EMINI S&P 500	0	-	-	2,822,301	-	-	27,000	-	-	27,086,276	-	-
FX Futures												
AUSTRALIAN DOLLAR	0	614	-100.0%	1,734,503	1,815,692	-4.5%	1,841	6,678	-72.4%	25,223,811	23,250,237	8.5%
BRITISH POUND	56	64	-12.5%	2,496,734	1,974,198	26.5%	1,536	10,969	-86.0%	28,965,961	24,032,475	20.5%
BRAZIL REAL	0	0	0.0%	32,583	39,750	-18.0%	0	30	-100.0%	567,107	462,742	22.6%
CANADIAN DOLLAR	8	105	-92.4%	1,404,677	1,623,157	-13.5%	1,070	7,697	-86.1%	18,649,551	17,209,046	8.4%
E-MINI EURO FX	0	0	0.0%	108,342	129,115	-16.1%	0	0	0.0%	948,825	1,481,391	-36.0%
EURO FX	289	2,570	-88.8%	4,979,423	6,030,794	-17.4%	8,413	59,091	-85.8%	49,088,760	65,025,744	-24.5%
E-MINI JAPANESE YEN	0	0	0.0%	30,938	20,921	47.9%	0	0	0.0%	392,863	212,810	84.6%
JAPANESE YEN	3	73	-95.9%	3,096,708	3,055,780	1.3%	4,352	26,722	-83.7%	36,417,663	35,922,527	1.4%
MEXICAN PESO	20	0	0.0%	1,029,534	1,056,925	-2.6%	20	120,694	-100.0%	13,965,262	10,707,354	30.4%
NEW ZEALND DOLLAR	0	0	0.0%	548,234	429,943	27.5%	0	732	-100.0%	5,865,986	5,005,379	17.2%
NKR/USD CROSS RATE	0	0	0.0%	3,506	2,748	27.6%	0	0	0.0%	21,316	13,670	55.9%
RUSSIAN RUBLE	0	0	0.0%	41,193	24,773	66.3%	0	4	-100.0%	328,943	198,667	65.6%
S.AFRICAN RAND	0	0	0.0%	33,936	38,969	-12.9%	0	806	-100.0%	237,977	208,772	14.0%
SWISS FRANC	0	0	0.0%	592,647	596,240	-0.6%	0	1,073	-100.0%	5,891,655	5,553,791	6.1%
AD/CD CROSS RATES	0	0	0.0%	10	16	-37.5%	0	0	0.0%	69	234	-70.5%
AD/JY CROSS RATES	0	0	0.0%	6,096	3,878	57.2%	0	0	0.0%	47,048	42,714	10.1%
AD/NE CROSS RATES	0	0	0.0%	1	64	-98.4%	0	0	0.0%	691	605	14.2%

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FX Futures												
BP/JY CROSS RATES	0	0	0.0%	2,325	2,752	-15.5%	0	0	0.0%	22,487	14,812	51.8%
BP/SF CROSS RATES	0	0	0.0%	2	141	-98.6%	0	0	0.0%	479	1,629	-70.6%
CD/JY CROSS RATES	0	0	0.0%	0	1	-100.0%	0	0	0.0%	15	245	-93.9%
EC/AD CROSS RATES	0	0	0.0%	2,150	4,641	-53.7%	0	0	0.0%	19,910	23,178	-14.1%
EC/CD CROSS RATES	0	0	0.0%	4,719	5,556	-15.1%	0	0	0.0%	31,900	30,594	4.3%
EC/NOK CROSS RATES	0	0	0.0%	2	8	-75.0%	0	21	-100.0%	11	46	-76.1%
EC/SEK CROSS RATES	0	0	0.0%	263	114	130.7%	0	0	0.0%	1,133	798	42.0%
EFX/BP CROSS RATES	0	0	0.0%	79,926	109,358	-26.9%	0	0	0.0%	842,173	736,287	14.4%
EFX/JY CROSS RATES	0	0	0.0%	64,434	67,664	-4.8%	0	0	0.0%	488,022	526,916	-7.4%
EFX/SF CROSS RATES	0	0	0.0%	48,984	64,949	-24.6%	0	0	0.0%	378,476	380,423	-0.5%
SF/JY CROSS RATES	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	2,855	2,885	-1.0%	0	20	-100.0%	18,829	15,096	24.7%
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%	719	741	-3.0%	0	0	0.0%	7,888	1,887	318.0%
POLISH ZLOTY (EC)	0	0	0.0%	42	2,242	-98.1%	0	0	0.0%	4,720	2,244	110.3%
SHEKEL	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6	-100.0%
RMB USD	0	0	0.0%	79	428	-81.5%	6	0	0.0%	1,942	5,239	-62.9%
KOREAN WON	0	0	0.0%	35	161	-78.3%	0	0	0.0%	207	460	-55.0%
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%	304,069	351,169	-13.4%	0	0	0.0%	3,371,953	4,325,807	-22.1%
E-MICRO GBP/USD	0	0	0.0%	63,146	31,755	98.9%	0	0	0.0%	1,038,606	488,050	112.8%
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	4	-100.0%	0	0	0.0%	1	9	-88.9%
E-MICRO USD/JPY	0	0	0.0%	0	10	-100.0%	0	0	0.0%	4	113	-96.5%
E-MICRO AUD/USD	0	0	0.0%	69,951	51,043	37.0%	0	0	0.0%	1,218,358	652,469	86.7%
MICRO CHF/USD	0	0	0.0%	1,314	2,385	-44.9%	0	0	0.0%	21,814	28,110	-22.4%
INDIAN RUPEE	0	0	0.0%	15,301	7,061	116.7%	0	0	0.0%	160,255	130,396	22.9%
EURO QUARTERLY VARIANCE	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
USDZAR	0	0	0.0%	0	31	-100.0%	0	0	0.0%	6	580	-99.0%
E-MICRO INR/USD	0	0	0.0%	3,297	72	4,479.2%	0	0	0.0%	29,960	2,576	1,063.0%
E-MICRO JPY/USD	0	0	0.0%	51,185	8,918	474.0%	0	0	0.0%	396,958	150,355	164.0%

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FX Futures												
CHINESE RENMINBI (CNH)	0	0	0.0%	2,986	1,402	113.0%	0	0	0.0%	19,265	12,267	57.0%
FCXRX	0	-	-	1,033	-	-	0	-	-	13,532	-	-
E-MICRO USD/CNH	0	0	0.0%	0	43	-100.0%	0	0	0.0%	61	367	-83.4%
E-MICRO CAD/USD	0	0	0.0%	13,588	14,083	-3.5%	0	0	0.0%	245,995	158,108	55.6%
FX Options												
AUSTRALIAN DOLLAR	0	2,963	-100.0%	42,836	98,737	-56.6%	13,722	28,124	-51.2%	1,436,190	1,496,198	-4.0%
BRITISH POUND	192	5,626	-96.6%	56,896	148,353	-61.6%	34,573	117,428	-70.6%	2,196,165	2,444,717	-10.2%
BRAZIL REAL	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR	372	6,524	-94.3%	41,011	141,631	-71.0%	25,856	32,546	-20.6%	1,414,382	1,374,993	2.9%
EURO FX	2,615	19,746	-86.8%	347,124	966,245	-64.1%	108,495	320,455	-66.1%	7,393,464	12,005,976	-38.4%
JAPANESE YEN	3,478	6,639	-47.6%	80,294	218,684	-63.3%	69,162	130,902	-47.2%	3,205,258	2,731,642	17.3%
MEXICAN PESO	20	100	-80.0%	987	1,767	-44.1%	7,770	3,460	124.6%	43,163	14,164	204.7%
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	1,722	-100.0%	2,483	7,519	-67.0%	272	6,568	-95.9%	71,017	164,470	-56.8%
JAPANESE YEN (EU)	0	0	0.0%	189	180	5.0%	0	3	-100.0%	6,126	4,512	35.8%
EURO FX (EU)	0	0	0.0%	91	3,588	-97.5%	5	5	0.0%	28,659	57,874	-50.5%
SWISS FRANC (EU)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	7	149	-95.3%	0	0	0.0%	1,818	1,588	14.5%
BRITISH POUND (EU)	0	0	0.0%	106	1,148	-90.8%	0	2	-100.0%	9,270	7,682	20.7%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	24	-100.0%	0	0	0.0%	1,146	1,291	-11.2%
JPY/USD PQO 2pm Fix	1,658	-	-	170,822	-	-	2,977	-	-	382,335	-	-
GBP/USD PQO 2pm Fix	97	-	-	78,983	-	-	1,420	-	-	214,409	-	-
AUD/USD PQO 2pm Fix	500	-	-	61,133	-	-	2,540	-	-	162,490	-	-
CAD/USD PQO 2pm Fix	0	-	-	67,690	-	-	510	-	-	169,347	-	-
CHF/USD PQO 2pm Fix	0	-	-	5,244	-	-	0	-	-	13,121	-	-
EUR/USD PQO 2pm Fix	1,351	-	-	329,378	-	-	4,021	-	-	727,634	-	-



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Commodities and Alternative Investments												
Futures												
LIVE CATTLE	3,472	5,333	-34.9%	1,066,543	1,168,122	-8.7%	39,282	406,665	-90.3%	13,072,861	13,014,621	0.4%
FEEDER CATTLE	15	25	-40.0%	200,589	230,716	-13.1%	306	42,769	-99.3%	2,536,895	2,450,250	3.5%
LEAN HOGS	3,429	2,988	14.8%	821,787	563,371	45.9%	28,628	320,838	-91.1%	9,138,609	9,246,203	-1.2%
LUMBER	0	0	0.0%	12,735	15,992	-20.4%	0	1,357	-100.0%	173,494	198,965	-12.8%
MILK	170	21	709.5%	37,301	24,826	50.2%	1,645	3,249	-49.4%	319,005	271,143	17.7%
MLK MID	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NFD MILK	0	22	-100.0%	3,139	5,915	-46.9%	13	421	-96.9%	54,599	48,788	11.9%
BUTTER CS	0	0	0.0%	2,769	2,848	-2.8%	0	0	0.0%	38,178	30,749	24.2%
CLASS IV MILK	0	0	0.0%	1,580	1,738	-9.1%	70	149	-53.0%	14,232	11,650	22.2%
DRY WHEY	0	0	0.0%	1,855	2,766	-32.9%	0	0	0.0%	16,042	21,126	-24.1%
GSCI EXCESS RETURN FUT	0	0	0.0%	300	6,438	-95.3%	0	0	0.0%	1,419	6,693	-78.8%
GOLDMAN SACHS	0	0	0.0%	33,918	33,549	1.1%	0	6,135	-100.0%	357,688	348,431	2.7%
HDD WEATHER	0	0	0.0%	0	25	-100.0%	0	0	0.0%	579	1,377	-58.0%
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	0	0.0%	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	0	0.0%	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%	7	10	-30.0%	0	0	0.0%	146	93	57.0%
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%	7,954	18,073	-56.0%	6	0	0.0%	116,360	119,851	-2.9%
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 DEC 2016	Open Outcry DEC 2015	% CHG	ELEC DEC 2016	ELEC DEC 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	43,377	180,162	-75.9%	200,401	293,330	-31.7%	1,236,316	1,375,751	-10.1%	2,796,574	2,597,550	7.7%
FEEDER CATTLE	3,123	6,357	-50.9%	23,445	39,218	-40.2%	53,127	47,263	12.4%	356,511	389,939	-8.6%
LEAN HOGS	34,045	50,870	-33.1%	164,134	177,849	-7.7%	432,703	688,880	-37.2%	1,775,843	2,148,759	-17.4%
LUMBER	3	0	0.0%	1,023	965	6.0%	115	18	538.9%	12,407	13,287	-6.6%
MILK	23,437	10,607	121.0%	30,449	11,980	154.2%	162,840	119,824	35.9%	220,596	145,590	51.5%
MLK MID	174	62	180.6%	0	0	0.0%	924	533	73.4%	0	0	0.0%
NFD MILK	354	3,132	-88.7%	461	606	-23.9%	20,714	39,743	-47.9%	13,684	5,739	138.4%
BUTTER CS	1,852	474	290.7%	299	111	169.4%	11,914	10,095	18.0%	3,601	2,125	69.5%
CLASS IV MILK	541	285	89.8%	1,257	312	302.9%	3,509	5,667	-38.1%	10,284	2,779	270.1%
DRY WHEY	288	105	174.3%	5	0	0.0%	1,229	2,657	-53.7%	96	316	-69.6%
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	581	0	0.0%	0	0	0.0%	851	81	950.6%	0	0	0.0%
SBIN HURR	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CASH-SETTLED CHEESE	3,644	8,606	-57.7%	5,901	3,460	70.5%	61,205	59,448	3.0%	30,425	20,576	47.9%
SNOWFALL	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	0	2	-100.0%	6	0	0.0%	4	73	-94.5%

CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2016	Open Outcry DEC 2015	% CHG	ELEC DEC 2016	ELEC DEC 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	609,682	660,880	-7.7%	60,048,951	44,575,286	34.7%	6,844,130	6,322,274	8.3%	639,610,968	574,096,095	11.4%
Equity Index Futures	210,852	249,219	-15.4%	42,379,423	51,751,591	-18.1%	1,386,412	1,777,666	-22.0%	561,742,027	519,307,303	8.2%
FX Futures	376	3,426	-89.0%	16,871,470	17,572,580	-4.0%	17,238	234,537	-92.7%	194,948,470	197,017,265	-1.1%
Commodities and Alternative Inve	7,086	8,389	-15.5%	2,190,477	2,074,389	5.6%	69,950	781,583	-91.1%	25,840,657	25,770,506	0.3%
Foreign Exchange Futures	0	0	0.0%	0	2	-100.0%	6	0	0.0%	4	73	-94.5%
TOTAL FUTURES	827,996	921,914	-10.2%	121,490,321	115,973,848	4.8%	8,317,736	9,116,060	-8.8%	1,422,142,126	1,316,191,242	8.0%
TOTAL OPTIONS GROUP												
Equity Index Options	879,590	1,076,871	-18.3%	12,652,899	10,985,331	15.2%	13,281,673	11,949,205	11.2%	146,957,199	128,202,117	14.6%
Interest Rate Options	17,709,224	16,016,706	10.6%	6,540,492	5,418,837	20.7%	203,876,794	178,894,181	14.0%	74,017,040	46,527,979	59.1%
FX Options	10,283	43,320	-76.3%	1,285,274	1,588,025	-19.1%	271,323	639,493	-57.6%	17,475,994	20,305,120	-13.9%
Commodities and Alternative Inve	111,419	260,660	-57.3%	427,375	527,831	-19.0%	1,985,447	2,349,960	-15.5%	5,220,039	5,326,660	-2.0%
TOTAL OPTIONS	18,710,516	17,397,557	7.5%	20,906,040	18,520,024	12.9%	219,415,237	193,832,839	13.2%	243,670,272	200,361,876	21.6%
TOTAL COMBINED												
Interest Rate	18,318,906	16,677,586	9.8%	66,589,443	49,994,123	33.2%	210,720,924	185,216,455	13.8%	713,628,008	620,624,074	15.0%
Equity Index	1,090,442	1,326,090	-17.8%	55,032,322	62,736,922	-12.3%	14,668,085	13,726,871	6.9%	708,699,226	647,509,420	9.5%
FX	10,659	46,746	-77.2%	18,156,744	19,160,605	-5.2%	288,561	874,030	-67.0%	212,424,464	217,322,385	-2.3%
Commodities and Alternative Inve	118,505	269,049	-56.0%	2,617,852	2,602,220	0.6%	2,055,397	3,131,543	-34.4%	31,060,696	31,097,166	-0.1%
Foreign Exchange	0	0	0.0%	0	2	-100.0%	6	0	0.0%	4	73	-94.5%
GRAND TOTAL	19,538,512	18,319,471	6.7%	142,396,361	134,493,872	5.9%	227,732,973	202,948,899	12.2%	1,665,812,398	1,516,553,118	9.8%