



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%

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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%

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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%

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