

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%



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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%

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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%

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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%

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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	-	-

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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%

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%



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%

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