

## CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Interest Rate Futures</b>												
EURODOLLARS	642,085	609,682	5.3%	45,454,095	60,044,347	-24.3%	7,649,506	6,844,130	11.8%	623,495,814	639,593,481	-2.5%
1-MONTH EURODOLLAR	0	0	0.0%	11,747	4,604	155.1%	0	0	0.0%	63,522	17,487	263.3%
2YR BUNDLE	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EURO 5YR BUNDLE	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
3YR BUNDLE	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
<b>Interest Rate Options</b>												
EURODOLLARS	6,581,550	6,728,851	-2.2%	3,758,222	2,246,552	67.3%	95,633,923	117,272,028	-18.5%	46,782,381	36,484,015	28.2%
EURO MIDCURVE	7,475,241	10,980,373	-31.9%	3,835,511	4,293,940	-10.7%	105,942,974	86,604,766	22.3%	67,671,055	37,533,025	80.3%

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<b>Equity Index Futures</b>												
E-MINI S&P500	0	0	0.0%	30,200,611	35,985,492	-16.1%	0	0	0.0%	363,956,513	471,364,666	-22.8%
S&P 500	118,124	210,852	-44.0%	2,695	5,327	-49.4%	816,606	1,386,412	-41.1%	50,785	113,823	-55.4%
S&P 600 SMALLCAP EMINI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
E-MINI MIDCAP	0	0	0.0%	436,225	503,729	-13.4%	0	0	0.0%	4,196,882	5,172,822	-18.9%
S&P 400 MIDCAP	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
S&P 500 GROWTH	0	0	0.0%	34	59	-42.4%	0	0	0.0%	285	290	-1.7%
S&P 500/VALUE	0	0	0.0%	7,792	4,065	91.7%	0	0	0.0%	81,530	34,609	135.6%
E-MINI RUSSELL 2000	0	-	-	3,306,804	-	-	0	-	-	10,517,084	-	-
E-MINI RUSSELL 1000	0	0	0.0%	9,081	984	822.9%	0	0	0.0%	37,426	5,213	617.9%
E-MINI NASDAQ 100	0	0	0.0%	6,467,768	4,394,390	47.2%	0	0	0.0%	68,947,756	65,005,125	6.1%
NASDAQ	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	348,348	307,985	13.1%	0	0	0.0%	3,371,643	4,286,921	-21.4%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	751,579	1,053,129	-28.6%	0	0	0.0%	10,818,523	14,778,431	-26.8%
NASDAQ BIOTECH	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	18	-100.0%
E-MICRO NIFTY	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
S&P ENERGY SECTOR	0	0	0.0%	13,964	14,608	-4.4%	0	0	0.0%	121,411	125,026	-2.9%
S&P FINANCIAL SECTOR	0	0	0.0%	29,630	18,275	62.1%	0	0	0.0%	194,012	101,289	91.5%
S&P TECHNOLOGY SECTOR	0	0	0.0%	12,300	6,667	84.5%	0	0	0.0%	70,983	59,488	19.3%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	8,131	11,094	-26.7%	0	0	0.0%	53,565	69,221	-22.6%
S&P HEALTH CARE SECTOR	0	0	0.0%	8,421	11,029	-23.6%	0	0	0.0%	101,161	100,478	0.7%
S&P MATERIALS SECTOR	0	0	0.0%	6,930	10,770	-35.7%	0	0	0.0%	69,673	63,704	9.4%
S&P INDUSTRIAL SECTOR	0	0	0.0%	8,532	11,831	-27.9%	0	0	0.0%	60,414	46,374	30.3%
S&P CONSUMER STAPLES SE	0	0	0.0%	16,029	14,182	13.0%	0	0	0.0%	103,263	97,722	5.7%
S&P UTILITIES SECTOR	0	0	0.0%	27,983	18,775	49.0%	0	0	0.0%	179,104	155,600	15.1%
IBOVESPA INDEX	0	0	0.0%	1,124	947	18.7%	0	0	0.0%	8,112	8,878	-8.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	5,925	946	526.3%	0	0	0.0%	32,143	5,390	496.3%
FT-SE 100	0	0	0.0%	1,126	588	91.5%	0	0	0.0%	7,829	7,630	2.6%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	4,788	669	615.7%	0	0	0.0%	22,473	3,415	558.1%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,537	748	239.2%	0	0	0.0%	29,232	5,565	425.3%
NIFTY 50	0	0	0.0%	11,288	1,923	487.0%	0	0	0.0%	142,778	117,092	21.9%
E-mini FTSE China 50	0	0	0.0%	2,422	1,173	106.5%	0	0	0.0%	21,713	11,337	91.5%
E-mini FTSE 100 (USD)	0	0	0.0%	958	0	0.0%	0	0	0.0%	3,030	375	708.0%
FTSE Emerging	0	0	0.0%	215	38	465.8%	0	0	0.0%	937	1,525	-38.6%
BITCOIN FUTURES	0	-	-	9,498	-	-	0	-	-	9,498	-	-

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<b>Equity Index Options</b>												
E-MINI S&P500	4,240	0	0.0%	4,257,471	4,802,448	-11.3%	9,375	110,315	-91.5%	51,046,149	58,777,508	-13.2%
S&P 500	318,751	268,782	18.6%	0	0	0.0%	3,892,488	5,672,245	-31.4%	0	0	0.0%
E-MINI MIDCAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	17	-100.0%
E-MINI RUSSELL 2000	0	-	-	6,543	-	-	0	-	-	47,902	-	-
E-MINI NASDAQ 100	0	0	0.0%	181,848	162,656	11.8%	0	0	0.0%	2,873,368	2,568,059	11.9%
NASDAQ	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EOM S&P 500	237,026	172,257	37.6%	0	0	0.0%	2,347,874	2,069,567	13.4%	0	0	0.0%
EOM EMINI S&P	0	0	0.0%	2,555,559	2,283,508	11.9%	0	0	0.0%	24,790,850	20,898,070	18.6%
EOW1 S&P 500	109,985	37,132	196.2%	0	0	0.0%	1,092,049	706,582	54.6%	0	0	0.0%
EOW1 EMINI S&P 500	0	0	0.0%	863,745	714,471	20.9%	0	0	0.0%	12,669,333	11,710,684	8.2%
EOW2 S&P 500	185,468	114,541	61.9%	0	0	0.0%	2,097,086	1,539,741	36.2%	0	0	0.0%
EOW2 EMINI S&P 500	0	0	0.0%	903,260	886,740	1.9%	0	0	0.0%	12,649,778	12,992,775	-2.6%
EOW4 EMINI S&P 500	0	0	0.0%	898,012	980,775	-8.4%	0	0	0.0%	11,434,439	12,923,810	-11.5%
EOW3 EMINI S&P 500	0	0	0.0%	2,262,927	2,822,301	-19.8%	3,000	27,000	-88.9%	39,317,303	27,086,276	45.2%
EOW3 S&P 500	310,077	286,878	8.1%	0	0	0.0%	4,294,574	3,156,223	36.1%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	-	-	2,352	-	-	0	-	-	13,997	-	-
EOW1 E-MINI RUSSELL 2000 W	0	-	-	844	-	-	0	-	-	7,420	-	-
EOM E-MINI RUSSELL 2000 EN	0	-	-	7,031	-	-	0	-	-	22,049	-	-
EOW3 E-MINI RUSSELL 2000 W	0	-	-	9,657	-	-	0	-	-	65,039	-	-
EOW1 E-MINI RUSSELL 2000 W	0	-	-	725	-	-	0	-	-	7,350	-	-
EOW4 E-MINI RUSSELL 2000 W	0	-	-	5,031	-	-	0	-	-	16,589	-	-
<b>FX Futures</b>												
AUSTRALIAN DOLLAR	0	0	0.0%	1,947,977	1,734,503	12.3%	1,537	1,841	-16.5%	23,899,523	25,223,811	-5.3%
BRITISH POUND	14	56	-75.0%	3,068,950	2,496,734	22.9%	263	1,536	-82.9%	31,048,707	28,965,961	7.2%
BRAZIL REAL	0	0	0.0%	80,904	32,583	148.3%	0	0	0.0%	731,733	567,107	29.0%
CANADIAN DOLLAR	32	8	300.0%	1,734,996	1,404,677	23.5%	2,716	1,070	153.8%	19,080,203	18,649,551	2.3%
E-MINI EURO FX	0	0	0.0%	106,509	108,342	-1.7%	0	0	0.0%	1,140,403	948,825	20.2%
EURO FX	88	289	-69.6%	5,370,411	4,979,423	7.9%	2,913	8,413	-65.4%	55,977,807	49,088,760	14.0%
E-MINI JAPANESE YEN	0	0	0.0%	8,563	30,938	-72.3%	0	0	0.0%	316,956	392,863	-19.3%
JAPANESE YEN	49	3	1,533.3%	3,128,652	3,096,708	1.0%	9,030	4,352	107.5%	41,449,197	36,417,663	13.8%
MEXICAN PESO	0	20	-100.0%	1,363,597	1,029,534	32.4%	5	20	-75.0%	12,869,533	13,965,262	-7.8%
NEW ZEALND DOLLAR	0	0	0.0%	548,070	548,234	0.0%	0	0	0.0%	6,231,072	5,865,986	6.2%

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<b>FX Futures</b>												
NKR/USD CROSS RATE	0	0	0.0%	2,808	3,506	-19.9%	0	0	0.0%	22,380	21,316	5.0%
RUSSIAN RUBLE	0	0	0.0%	52,518	41,193	27.5%	0	0	0.0%	449,172	328,943	36.6%
S.AFRICAN RAND	0	0	0.0%	64,722	33,936	90.7%	0	0	0.0%	555,018	237,977	133.2%
SWISS FRANC	0	0	0.0%	697,135	592,647	17.6%	0	0	0.0%	6,904,907	5,891,655	17.2%
AD/CD CROSS RATES	0	0	0.0%	0	10	-100.0%	0	0	0.0%	38	69	-44.9%
AD/JY CROSS RATES	0	0	0.0%	3,775	6,096	-38.1%	0	0	0.0%	29,884	47,048	-36.5%
AD/NE CROSS RATES	0	0	0.0%	56	1	5,500.0%	0	0	0.0%	996	691	44.1%
BP/JY CROSS RATES	0	0	0.0%	5,147	2,325	121.4%	0	0	0.0%	37,284	22,487	65.8%
BP/SF CROSS RATES	0	0	0.0%	191	2	9,450.0%	0	0	0.0%	1,103	479	130.3%
CD/JY CROSS RATES	0	0	0.0%	0	0	0.0%	0	0	0.0%	554	15	3,593.3%
EC/AD CROSS RATES	0	0	0.0%	6,004	2,150	179.3%	0	0	0.0%	31,051	19,910	56.0%
EC/CD CROSS RATES	0	0	0.0%	8,137	4,719	72.4%	0	0	0.0%	53,911	31,900	69.0%
EC/NOK CROSS RATES	0	0	0.0%	253	2	12,550.0%	0	0	0.0%	3,029	11	27,436.4%
EC/SEK CROSS RATES	0	0	0.0%	996	263	278.7%	0	0	0.0%	8,498	1,133	650.0%
EFX/BP CROSS RATES	0	0	0.0%	142,062	79,926	77.7%	0	0	0.0%	913,898	842,173	8.5%
EFX/JY CROSS RATES	0	0	0.0%	102,242	64,434	58.7%	0	0	0.0%	800,666	488,022	64.1%
EFX/SF CROSS RATES	0	0	0.0%	48,767	48,984	-0.4%	0	0	0.0%	399,260	378,476	5.5%
SF/JY CROSS RATES	0	-	-	0	-	-	0	-	-	0	-	-
SKR/USD CROSS RATES	0	0	0.0%	4,939	2,855	73.0%	0	0	0.0%	26,738	18,829	42.0%
HUNGARIAN FORINT (US)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
POLISH ZLOTY (US)	0	0	0.0%	325	719	-54.8%	0	0	0.0%	1,618	7,888	-79.5%
POLISH ZLOTY (EC)	0	0	0.0%	9	42	-78.6%	0	0	0.0%	416	4,720	-91.2%
SHEKEL	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RMB USD	0	0	0.0%	24	79	-69.6%	0	6	-100.0%	305	1,942	-84.3%
KOREAN WON	0	0	0.0%	323	35	822.9%	0	0	0.0%	673	207	225.1%
TURKISH LIRA	0	0	0.0%	2	0	0.0%	0	0	0.0%	20	0	0.0%
TURKISH LIRA (EU)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
E-MICRO EUR/USD	0	0	0.0%	217,510	304,069	-28.5%	0	0	0.0%	2,987,367	3,371,953	-11.4%
E-MICRO GBP/USD	0	0	0.0%	49,472	63,146	-21.7%	0	0	0.0%	681,701	1,038,606	-34.4%
E-MICRO USD/CAD	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	22	-100.0%
E-MICRO USD/CHF	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1	-100.0%
E-MICRO USD/JPY	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4	-100.0%
E-MICRO AUD/USD	0	0	0.0%	65,633	69,951	-6.2%	0	0	0.0%	1,012,132	1,218,358	-16.9%
INDIAN RUPEE	0	0	0.0%	44,530	15,301	191.0%	0	0	0.0%	472,306	160,255	194.7%
USDZAR	0	0	0.0%	1	0	0.0%	0	0	0.0%	1	6	-83.3%

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<b>FX Futures</b>												
E-MICRO INR/USD	0	0	0.0%	1,985	3,297	-39.8%	0	0	0.0%	31,089	29,960	3.8%
E-MICRO JPY/USD	0	0	0.0%	22,521	51,185	-56.0%	0	0	0.0%	450,068	396,958	13.4%
CHINESE RENMINBI (CNH)	0	0	0.0%	2,247	2,986	-24.7%	0	0	0.0%	19,769	19,265	2.6%
E-MICRO USD/CNH	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	61	-100.0%
E-MICRO CAD/USD	0	0	0.0%	21,505	13,588	58.3%	0	0	0.0%	244,321	245,995	-0.7%
E-MICRO CHF/USD	0	0	0.0%	936	1,314	-28.8%	0	0	0.0%	11,952	21,814	-45.2%
BDI	0	0	0.0%	0	1,033	-100.0%	0	0	0.0%	6,243	13,532	-53.9%
<b>FX Options</b>												
AUSTRALIAN DOLLAR	0	0	0.0%	0	42,836	-100.0%	2,674	13,722	-80.5%	200,250	1,436,190	-86.1%
BRITISH POUND	0	192	-100.0%	0	56,896	-100.0%	693	34,573	-98.0%	462,114	2,196,165	-79.0%
CANADIAN DOLLAR	0	372	-100.0%	0	41,011	-100.0%	4,597	25,856	-82.2%	183,080	1,414,382	-87.1%
EURO FX	0	2,615	-100.0%	0	347,124	-100.0%	8,535	108,495	-92.1%	1,287,538	7,393,464	-82.6%
JAPANESE YEN	0	3,478	-100.0%	0	80,294	-100.0%	8,468	69,162	-87.8%	544,469	3,205,258	-83.0%
MEXICAN PESO	0	20	-100.0%	820	987	-16.9%	1,770	7,770	-77.2%	26,166	43,163	-39.4%
NEW ZEALND DOLLAR	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
RUSSIAN RUBLE	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SWISS FRANC	0	0	0.0%	0	2,483	-100.0%	0	272	-100.0%	5,710	71,017	-92.0%
JAPANESE YEN (EU)	0	0	0.0%	0	189	-100.0%	0	0	0.0%	182	6,126	-97.0%
EURO FX (EU)	0	0	0.0%	4	91	-95.6%	0	5	-100.0%	509	28,659	-98.2%
SWISS FRANC (EU)	0	-	-	0	-	-	0	-	-	15	-	-
CANADIAN DOLLAR (EU)	0	0	0.0%	10	7	42.9%	0	0	0.0%	146	1,818	-92.0%
BRITISH POUND (EU)	0	0	0.0%	180	106	69.8%	0	0	0.0%	4,609	9,270	-50.3%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	1,146	-99.8%
CHF/USD PQO 2pm Fix	0	0	0.0%	1,550	5,244	-70.4%	0	0	0.0%	38,525	13,121	193.6%
GBP/USD PQO 2pm Fix	467	97	381.4%	218,144	78,983	176.2%	5,469	1,420	285.1%	2,644,755	214,409	1,133.5%
AUD/USD PQO 2pm Fix	0	500	-100.0%	74,203	61,133	21.4%	5,746	2,540	126.2%	1,257,212	162,490	673.7%
EUR/USD PQO 2pm Fix	1,764	1,351	30.6%	605,620	329,378	83.9%	31,710	4,021	688.6%	7,698,222	727,634	958.0%
JPY/USD PQO 2pm Fix	520	1,658	-68.6%	175,468	170,822	2.7%	35,123	2,977	1,079.8%	2,996,133	382,335	683.6%
CAD/USD PQO 2pm Fix	501	0	0.0%	169,089	67,690	149.8%	6,646	510	1,203.1%	1,693,702	169,347	900.1%



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	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Commodities and Alternative Investments</b>												
<b>Futures</b>												
LIVE CATTLE	441	3,472	-87.3%	989,457	1,066,543	-7.2%	38,318	39,282	-2.5%	16,087,063	13,072,861	23.1%
FEEDER CATTLE	0	15	-100.0%	274,899	200,589	37.0%	538	306	75.8%	3,539,370	2,536,895	39.5%
LEAN HOGS	710	3,429	-79.3%	729,540	821,787	-11.2%	34,887	28,628	21.9%	11,158,074	9,138,609	22.1%
LUMBER	0	0	0.0%	18,305	12,735	43.7%	0	0	0.0%	203,573	173,494	17.3%
MILK	80	170	-52.9%	24,944	37,301	-33.1%	2,994	1,645	82.0%	315,653	319,005	-1.1%
MLK MID	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NFD MILK	70	0	0.0%	4,621	3,139	47.2%	99	13	661.5%	59,579	54,599	9.1%
BUTTER CS	0	0	0.0%	3,672	2,769	32.6%	0	0	0.0%	39,041	38,178	2.3%
CLASS IV MILK	0	0	0.0%	323	1,580	-79.6%	79	70	12.9%	10,336	14,232	-27.4%
DRY WHEY	0	0	0.0%	1,628	1,855	-12.2%	0	0	0.0%	20,707	16,042	29.1%
GSCI EXCESS RETURN FUT	0	0	0.0%	320	300	6.7%	0	0	0.0%	1,385	1,419	-2.4%
GOLDMAN SACHS	0	0	0.0%	28,228	33,918	-16.8%	0	0	0.0%	402,183	357,688	12.4%
HDD WEATHER	0	0	0.0%	39	0	0.0%	0	0	0.0%	89	579	-84.6%
CDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	25	400	-93.8%
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%	50	100	-50.0%
CAT WEATHER EUROPEAN	-	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	50	-100.0%
CAT 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%	3	7	-57.1%	0	0	0.0%	136	146	-6.8%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CASH-SETTLED CHEESE	0	0	0.0%	12,865	7,954	61.7%	0	6	-100.0%	126,301	116,360	8.5%
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%

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## CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Commodities and Alternative Investments</b>												
<b>Options</b>												
LIVE CATTLE	19,818	43,377	-54.3%	171,381	200,401	-14.5%	558,398	1,236,316	-54.8%	2,342,992	2,796,574	-16.2%
FEEDER CATTLE	3,684	3,123	18.0%	30,758	23,445	31.2%	52,018	53,127	-2.1%	360,535	356,511	1.1%
LEAN HOGS	11,686	34,045	-65.7%	127,275	164,134	-22.5%	354,162	432,703	-18.2%	2,177,565	1,775,843	22.6%
LUMBER	0	3	-100.0%	1,609	1,023	57.3%	44	115	-61.7%	16,175	12,407	30.4%
MILK	6,319	23,437	-73.0%	22,158	30,449	-27.2%	139,463	162,840	-14.4%	281,662	220,596	27.7%
MLK MID	78	174	-55.2%	0	0	0.0%	834	924	-9.7%	0	0	0.0%
NFD MILK	1,176	354	232.2%	3,696	461	701.7%	17,085	20,714	-17.5%	35,804	13,684	161.6%
BUTTER CS	305	1,852	-83.5%	1,968	299	558.2%	11,871	11,914	-0.4%	11,006	3,601	205.6%
CLASS IV MILK	30	541	-94.5%	955	1,257	-24.0%	3,321	3,509	-5.4%	17,000	10,284	65.3%
DRY WHEY	478	288	66.0%	369	5	7,280.0%	4,288	1,229	248.9%	3,193	96	3,226.0%
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%
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%	46	18	155.6%
LV CATL CSO	0	581	-100.0%	0	0	0.0%	1,972	851	131.7%	0	0	0.0%
CASH-SETTLED CHEESE	6,365	3,644	74.7%	9,781	5,901	65.8%	56,796	61,205	-7.2%	62,510	30,425	105.5%
<b>Foreign Exchange Futures</b>												
CHILEAN PESO	0	0	0.0%	3,887	0	0.0%	0	6	-100.0%	21,480	4	536,900.0%
<b>Foreign Exchange Options</b>												
AUD/USD PQO 2pm Fix	0	-	-	138	-	-	0	-	-	772	-	-



## CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	642,085	609,682	5.3%	45,465,842	60,048,951	-24.3%	7,649,506	6,844,130	11.8%	623,559,336	639,610,968	-2.5%
Equity Index Futures	118,124	210,852	-44.0%	41,702,738	42,379,423	-1.6%	816,606	1,386,412	-41.1%	463,209,758	561,742,027	-17.5%
FX Futures	183	376	-51.3%	18,925,404	16,871,470	12.2%	16,464	17,238	-4.5%	208,903,502	194,948,470	7.2%
Commodities and Alternative Inve	1,301	7,086	-81.6%	2,088,844	2,190,477	-4.6%	76,915	69,950	10.0%	31,963,565	25,840,657	23.7%
Foreign Exchange Futures	0	0	0.0%	3,887	0	0.0%	0	6	-100.0%	21,480	4	536,900.0%
<b>TOTAL FUTURES</b>	<b>761,693</b>	<b>827,996</b>	<b>-8.0%</b>	<b>108,186,715</b>	<b>121,490,321</b>	<b>-11.0%</b>	<b>8,559,491</b>	<b>8,317,736</b>	<b>2.9%</b>	<b>1,327,657,641</b>	<b>1,422,142,126</b>	<b>-6.6%</b>
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	1,165,547	879,590	32.5%	11,955,005	12,652,899	-5.5%	13,736,446	13,281,673	3.4%	154,961,566	146,957,199	5.4%
Interest Rate Options	14,056,791	17,709,224	-20.6%	7,593,733	6,540,492	16.1%	201,576,897	203,876,794	-1.1%	114,453,436	74,017,040	54.6%
FX Options	3,252	10,283	-68.4%	1,245,088	1,285,274	-3.1%	111,431	271,323	-58.9%	19,043,339	17,475,994	9.0%
Commodities and Alternative Inve	49,939	111,419	-55.2%	369,950	427,375	-13.4%	1,200,252	1,985,447	-39.5%	5,308,488	5,220,039	1.7%
Foreign Exchange Options	0	-	-	138	-	-	0	-	-	772	-	-
<b>TOTAL OPTIONS</b>	<b>15,275,529</b>	<b>18,710,516</b>	<b>-18.4%</b>	<b>21,163,914</b>	<b>20,906,040</b>	<b>1.2%</b>	<b>216,625,026</b>	<b>219,415,237</b>	<b>-1.3%</b>	<b>293,767,601</b>	<b>243,670,272</b>	<b>20.6%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	14,698,876	18,318,906	-19.8%	53,059,575	66,589,443	-20.3%	209,226,403	210,720,924	-0.7%	738,012,772	713,628,008	3.4%
Equity Index	1,283,671	1,090,442	17.7%	53,657,743	55,032,322	-2.5%	14,553,052	14,668,085	-0.8%	618,171,324	708,699,226	-12.8%
FX	3,435	10,659	-67.8%	20,170,492	18,156,744	11.1%	127,895	288,561	-55.7%	227,946,841	212,424,464	7.3%
Commodities and Alternative Inve	51,240	118,505	-56.8%	2,458,794	2,617,852	-6.1%	1,277,167	2,055,397	-37.9%	37,272,053	31,060,696	20.0%
Foreign Exchange	0	0	0.0%	4,025	0	0.0%	0	6	-100.0%	22,252	4	556,200.0%
<b>GRAND TOTAL</b>	<b>16,037,222</b>	<b>19,538,512</b>	<b>-17.9%</b>	<b>129,350,629</b>	<b>142,396,361</b>	<b>-9.2%</b>	<b>225,184,517</b>	<b>227,732,973</b>	<b>-1.1%</b>	<b>1,621,425,242</b>	<b>1,665,812,398</b>	<b>-2.7%</b>

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