

CME Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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
Interest Rate Futures												
EURODOLLARS	356,553	525,240	-32.1%	39,762,954	48,471,097	-18.0%	4,446,871	4,081,816	8.9%	382,293,209	358,658,827	6.6%
1-MONTH EURODOLLAR	0	0	0.0%	2,105	849	147.9%	0	0	0.0%	40,134	9,230	334.8%
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%
Interest Rate Options												
EURODOLLARS	3,960,773	12,363,910	-68.0%	2,698,879	3,192,430	-15.5%	63,334,403	76,657,250	-17.4%	29,691,735	20,906,960	42.0%
EURO MIDCURVE	5,005,977	5,658,951	-11.5%	4,157,744	2,639,054	57.5%	60,776,256	49,767,065	22.1%	34,727,157	22,352,490	55.4%

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Equity Index Futures												
E-MINI S&P500	0	0	0.0%	22,133,365	31,036,913	-28.7%	0	0	0.0%	216,138,740	281,839,745	-23.3%
S&P 500	21,861	48,248	-54.7%	3,769	7,924	-52.4%	504,305	810,462	-37.8%	31,683	79,080	-59.9%
S&P 600 SMALLCAP EMINI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
E-MINI MIDCAP	0	0	0.0%	238,414	295,634	-19.4%	0	0	0.0%	2,546,980	3,099,040	-17.8%
S&P 400 MIDCAP	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
S&P 500 GROWTH	0	0	0.0%	6	8	-25.0%	0	0	0.0%	144	163	-11.7%
S&P 500/VALUE	0	0	0.0%	9,684	562	1,623.1%	0	0	0.0%	57,329	25,963	120.8%
E-MINI RUSSELL 2000	0	-	-	134,648	-	-	0	-	-	134,648	-	-
E-MINI RUSSELL 1000	0	0	0.0%	2,100	107	1,862.6%	0	0	0.0%	9,009	3,717	142.4%
E-MINI NASDAQ 100	0	0	0.0%	5,460,087	3,798,745	43.7%	0	0	0.0%	36,454,205	40,074,633	-9.0%
NASDAQ	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	170,906	349,588	-51.1%	0	0	0.0%	1,859,983	2,937,093	-36.7%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	663,953	1,108,723	-40.1%	0	0	0.0%	6,368,306	9,529,397	-33.2%
NASDAQ BIOTECH	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
E-MICRO NIFTY	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
S&P ENERGY SECTOR	0	0	0.0%	7,718	6,527	18.2%	0	0	0.0%	71,389	56,342	26.7%
S&P FINANCIAL SECTOR	0	0	0.0%	10,510	3,798	176.7%	0	0	0.0%	101,321	46,621	117.3%
S&P TECHNOLOGY SECTOR	0	0	0.0%	3,344	3,430	-2.5%	0	0	0.0%	32,695	33,725	-3.1%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	2,992	5,496	-45.6%	0	0	0.0%	28,198	34,512	-18.3%
S&P HEALTH CARE SECTOR	0	0	0.0%	3,728	5,823	-36.0%	0	0	0.0%	64,274	54,574	17.8%
S&P MATERIALS SECTOR	0	0	0.0%	2,852	4,838	-41.1%	0	0	0.0%	39,730	29,560	34.4%
S&P INDUSTRIAL SECTOR	0	0	0.0%	2,307	2,785	-17.2%	0	0	0.0%	26,081	20,225	29.0%
S&P CONSUMER STAPLES SE	0	0	0.0%	2,626	5,467	-52.0%	0	0	0.0%	43,932	53,251	-17.5%
S&P UTILITIES SECTOR	0	0	0.0%	3,724	13,178	-71.7%	0	0	0.0%	97,788	82,155	19.0%
IBOVESPA INDEX	0	0	0.0%	152	382	-60.2%	0	0	0.0%	4,168	4,663	-10.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,063	139	1,384.2%	0	0	0.0%	12,702	3,775	236.5%
FT-SE 100	0	0	0.0%	2,529	1,945	30.0%	0	0	0.0%	12,794	12,693	0.8%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,609	114	1,311.4%	0	0	0.0%	6,835	2,276	200.3%
E-MINI S&P REAL ESTATE SEL	0	-	-	1,270	-	-	0	-	-	19,550	-	-
NIFTY 50	0	0	0.0%	15,006	5,428	176.5%	0	0	0.0%	68,775	53,301	29.0%

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Equity Index Options												
E-MINI S&P500	0	0	0.0%	2,337,042	2,046,984	14.2%	1,935	110,315	-98.2%	27,410,252	38,705,778	-29.2%
S&P 500	147,927	144,025	2.7%	0	0	0.0%	2,057,944	4,430,950	-53.6%	0	0	0.0%
E-MINI MIDCAP	0	0	0.0%	0	1	-100.0%	0	0	0.0%	0	10	-100.0%
E-MINI RUSSELL 2000	0	-	-	2,188	-	-	0	-	-	2,188	-	-
E-MINI NASDAQ 100	0	0	0.0%	276,966	147,233	88.1%	0	0	0.0%	1,456,092	1,570,714	-7.3%
NASDAQ	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EOM S&P 500	163,904	278,989	-41.3%	0	0	0.0%	1,203,986	1,251,252	-3.8%	0	0	0.0%
EOM EMINI S&P	0	0	0.0%	1,351,158	1,984,780	-31.9%	0	0	0.0%	13,801,619	10,974,698	25.8%
EOW1 S&P 500	126,069	55,592	126.8%	0	0	0.0%	604,745	384,851	57.1%	0	0	0.0%
EOW1 EMINI S&P 500	0	0	0.0%	911,791	814,044	12.0%	0	0	0.0%	7,794,272	6,499,409	19.9%
EOW2 S&P 500	159,598	110,629	44.3%	0	0	0.0%	1,127,436	886,476	27.2%	0	0	0.0%
EOW2 EMINI S&P 500	0	0	0.0%	835,882	752,439	11.1%	0	0	0.0%	7,619,016	6,834,181	11.5%
EOW4 EMINI S&P 500	0	0	0.0%	801,966	1,108,737	-27.7%	0	0	0.0%	6,298,131	7,608,849	-17.2%
EOM3 E-MINI S&P 500 END OF	0	-	-	2,761	-	-	0	-	-	2,761	-	-
EOW3 EMINI S&P 500	0	0	0.0%	2,958,456	3,826,861	-22.7%	0	27,000	-100.0%	24,474,610	9,064,082	170.0%
EOW3 S&P 500	386,535	461,051	-16.2%	0	0	0.0%	2,439,262	1,421,889	71.6%	0	0	0.0%
FX Futures												
AUSTRALIAN DOLLAR	11	60	-81.7%	1,924,173	1,739,906	10.6%	1,506	749	101.1%	13,132,033	14,875,590	-11.7%
BRITISH POUND	0	12	-100.0%	1,989,079	2,333,130	-14.7%	248	705	-64.8%	16,959,601	16,700,310	1.6%
BRAZIL REAL	0	0	0.0%	48,203	28,446	69.5%	0	0	0.0%	343,628	337,891	1.7%
CANADIAN DOLLAR	2	0	0.0%	1,595,262	1,238,653	28.8%	2,036	744	173.7%	10,737,519	10,870,510	-1.2%
E-MINI EURO FX	0	0	0.0%	83,746	61,158	36.9%	0	0	0.0%	632,021	575,539	9.8%
EURO FX	28	522	-94.6%	4,433,824	2,723,147	62.8%	2,266	6,320	-64.1%	30,840,492	28,565,503	8.0%
E-MINI JAPANESE YEN	0	0	0.0%	31,403	33,583	-6.5%	0	0	0.0%	246,260	249,122	-1.1%
JAPANESE YEN	0	147	-100.0%	2,805,975	2,629,425	6.7%	7,794	2,785	179.9%	23,450,694	21,641,970	8.4%
MEXICAN PESO	0	0	0.0%	711,791	835,046	-14.8%	5	0	0.0%	7,009,864	7,586,727	-7.6%
NEW ZEALND DOLLAR	0	0	0.0%	439,944	405,442	8.5%	0	0	0.0%	3,404,004	3,129,668	8.8%
NKR/USD CROSS RATE	0	0	0.0%	1,999	649	208.0%	0	0	0.0%	12,446	9,990	24.6%
RUSSIAN RUBLE	0	0	0.0%	28,570	16,919	68.9%	0	0	0.0%	245,319	194,195	26.3%
S.AFRICAN RAND	0	0	0.0%	49,490	11,609	326.3%	0	0	0.0%	292,292	99,533	193.7%
SWISS FRANC	0	0	0.0%	601,839	326,942	84.1%	0	0	0.0%	3,703,095	3,254,027	13.8%
AD/CD CROSS RATES	0	0	0.0%	3	0	0.0%	0	0	0.0%	29	37	-21.6%

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FX Futures												
AD/JY CROSS RATES	0	0	0.0%	2,285	2,324	-1.7%	0	0	0.0%	15,490	29,773	-48.0%
AD/NE CROSS RATES	0	0	0.0%	109	55	98.2%	0	0	0.0%	619	594	4.2%
BP/JY CROSS RATES	0	0	0.0%	2,110	3,528	-40.2%	0	0	0.0%	17,934	12,926	38.7%
BP/SF CROSS RATES	0	0	0.0%	53	182	-70.9%	0	0	0.0%	597	309	93.2%
CD/JY CROSS RATES	0	0	0.0%	66	1	6,500.0%	0	0	0.0%	502	10	4,920.0%
EC/AD CROSS RATES	0	0	0.0%	1,197	682	75.5%	0	0	0.0%	17,663	11,681	51.2%
EC/CD CROSS RATES	0	0	0.0%	3,442	1,387	148.2%	0	0	0.0%	28,521	16,542	72.4%
EC/NOK CROSS RATES	0	0	0.0%	160	0	0.0%	0	0	0.0%	444	7	6,242.9%
EC/SEK CROSS RATES	0	0	0.0%	755	21	3,495.2%	0	0	0.0%	2,600	460	465.2%
EFX/BP CROSS RATES	0	0	0.0%	50,331	35,235	42.8%	0	0	0.0%	442,276	513,043	-13.8%
EFX/JY CROSS RATES	0	0	0.0%	56,116	26,976	108.0%	0	0	0.0%	416,250	287,423	44.8%
EFX/SF CROSS RATES	0	0	0.0%	41,212	12,391	232.6%	0	0	0.0%	227,897	225,711	1.0%
SF/JY CROSS RATES	0	-	-	0	-	-	0	-	-	0	-	-
SKR/USD CROSS RATES	0	0	0.0%	1,195	929	28.6%	0	0	0.0%	13,532	10,181	32.9%
HUNGARIAN FORINT (US)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
POLISH ZLOTY (US)	0	0	0.0%	114	301	-62.1%	0	0	0.0%	797	2,692	-70.4%
POLISH ZLOTY (EC)	0	0	0.0%	30	1	2,900.0%	0	0	0.0%	353	4,592	-92.3%
SHEKEL	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
RMB USD	0	0	0.0%	18	37	-51.4%	0	6	-100.0%	202	1,648	-87.7%
KOREAN WON	0	0	0.0%	6	2	200.0%	0	0	0.0%	129	118	9.3%
TURKISH LIRA	0	0	0.0%	0	0	0.0%	0	0	0.0%	12	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%	176,724	244,931	-27.8%	0	0	0.0%	1,749,607	2,091,176	-16.3%
E-MICRO GBP/USD	0	0	0.0%	31,778	118,706	-73.2%	0	0	0.0%	423,106	504,419	-16.1%
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%	99,803	125,054	-20.2%	0	0	0.0%	576,948	667,951	-13.6%
MICRO CHF/USD	0	0	0.0%	836	895	-6.6%	0	0	0.0%	6,513	14,271	-54.4%
INDIAN RUPEE	0	0	0.0%	23,573	9,985	136.1%	0	0	0.0%	211,543	86,417	144.8%
USDZAR	0	0	0.0%	0	2	-100.0%	0	0	0.0%	0	6	-100.0%
E-MICRO INR/USD	0	0	0.0%	2,833	2,510	12.9%	0	0	0.0%	18,209	11,297	61.2%
E-MICRO JPY/USD	0	0	0.0%	26,367	37,559	-29.8%	0	0	0.0%	296,794	206,006	44.1%
CHINESE RENMINBI (CNH)	0	0	0.0%	685	659	3.9%	0	0	0.0%	9,676	10,022	-3.5%
FCXRX	0	0	0.0%	0	127	-100.0%	0	0	0.0%	6,243	410	1,422.7%

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FX Futures												
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%	25,429	21,611	17.7%	0	0	0.0%	126,303	143,217	-11.8%
FX Options												
AUSTRALIAN DOLLAR	0	773	-100.0%	0	104,621	-100.0%	2,674	6,579	-59.4%	200,250	976,062	-79.5%
BRITISH POUND	0	1,086	-100.0%	0	180,743	-100.0%	693	25,945	-97.3%	462,114	1,422,287	-67.5%
CANADIAN DOLLAR	0	309	-100.0%	0	112,557	-100.0%	4,597	23,016	-80.0%	183,080	1,037,240	-82.3%
EURO FX	0	4,140	-100.0%	0	469,004	-100.0%	8,535	88,070	-90.3%	1,287,538	5,129,917	-74.9%
JAPANESE YEN	0	6,136	-100.0%	0	312,754	-100.0%	8,468	53,648	-84.2%	544,469	2,160,925	-74.8%
MEXICAN PESO	0	32	-100.0%	448	2,727	-83.6%	749	765	-2.1%	20,136	16,475	22.2%
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	25	-100.0%	0	5,960	-100.0%	0	272	-100.0%	5,710	48,990	-88.3%
JAPANESE YEN (EU)	0	0	0.0%	40	909	-95.6%	0	0	0.0%	180	5,803	-96.9%
EURO FX (EU)	0	0	0.0%	13	3,891	-99.7%	0	0	0.0%	346	27,727	-98.8%
SWISS FRANC (EU)	0	-	-	0	-	-	0	-	-	14	-	-
CANADIAN DOLLAR (EU)	0	0	0.0%	12	110	-89.1%	0	0	0.0%	98	1,768	-94.5%
BRITISH POUND (EU)	0	0	0.0%	278	1,329	-79.1%	0	0	0.0%	1,322	8,966	-85.3%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	80	-100.0%	0	0	0.0%	2	1,124	-99.8%
CHF/USD PQO 2pm Fix	0	-	-	3,423	-	-	0	-	-	15,686	-	-
GBP/USD PQO 2pm Fix	36	-	-	192,781	-	-	2,470	-	-	1,135,126	-	-
AUD/USD PQO 2pm Fix	1,000	-	-	191,720	-	-	4,175	-	-	671,383	-	-
EUR/USD PQO 2pm Fix	2,029	-	-	857,786	-	-	18,791	-	-	3,488,606	-	-
JPY/USD PQO 2pm Fix	770	-	-	298,055	-	-	27,306	-	-	1,592,950	-	-
CAD/USD PQO 2pm Fix	142	-	-	230,999	-	-	2,468	-	-	795,735	-	-

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Commodities and Alternative Investments												
Futures												
LIVE CATTLE	2,566	1,816	41.3%	1,478,927	1,068,616	38.4%	30,338	25,034	21.2%	9,868,709	7,407,911	33.2%
FEEDER CATTLE	0	5	-100.0%	300,055	191,521	56.7%	423	172	145.9%	1,985,558	1,396,824	42.1%
LEAN HOGS	4,269	2,348	81.8%	968,972	823,316	17.7%	18,759	14,476	29.6%	6,310,260	5,166,387	22.1%
LUMBER	0	0	0.0%	14,202	10,769	31.9%	0	0	0.0%	113,742	100,487	13.2%
MILK	133	22	504.5%	25,413	17,769	43.0%	791	323	144.9%	189,981	172,200	10.3%
MLK MID	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NFD MILK	0	0	0.0%	2,733	2,980	-8.3%	0	0	0.0%	33,699	34,722	-2.9%
BUTTER CS	0	0	0.0%	2,801	1,995	40.4%	0	0	0.0%	20,488	20,255	1.2%
CLASS IV MILK	0	0	0.0%	525	1,025	-48.8%	61	0	0.0%	7,473	6,921	8.0%
DRY WHEY	0	0	0.0%	835	755	10.6%	0	0	0.0%	13,728	7,789	76.2%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	33	-100.0%	0	0	0.0%	702	819	-14.3%
GOLDMAN SACHS	0	0	0.0%	35,933	27,325	31.5%	0	0	0.0%	242,667	190,165	27.6%
HDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	78	-35.9%
CDD WEATHER	0	0	0.0%	0	150	-100.0%	0	0	0.0%	25	350	-92.9%
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%	6	9	-33.3%	0	0	0.0%	82	63	30.2%
USD CRUDE PALM OIL	0	-	-	0	-	-	0	-	-	0	-	-
CASH-SETTLED CHEESE	0	0	0.0%	7,694	5,849	31.5%	0	0	0.0%	67,936	75,758	-10.3%
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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	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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
Commodities and Alternative Investments												
Options												
LIVE CATTLE	30,116	58,134	-48.2%	148,891	198,609	-25.0%	380,630	927,042	-58.9%	1,385,012	1,681,035	-17.6%
FEEDER CATTLE	4,429	4,636	-4.5%	18,833	27,148	-30.6%	27,691	28,660	-3.4%	206,876	207,696	-0.4%
LEAN HOGS	28,485	45,811	-37.8%	160,586	168,485	-4.7%	193,244	251,540	-23.2%	1,128,786	887,032	27.3%
LUMBER	5	10	-50.0%	739	880	-16.0%	35	105	-66.7%	7,882	6,297	25.2%
MILK	10,384	7,970	30.3%	22,731	15,789	44.0%	84,692	82,992	2.0%	165,228	101,508	62.8%
MLK MID	16	60	-73.3%	0	0	0.0%	501	279	79.6%	0	0	0.0%
NFD MILK	601	693	-13.3%	1,733	864	100.6%	10,777	16,399	-34.3%	18,876	8,174	130.9%
BUTTER CS	1,424	778	83.0%	362	247	46.6%	7,218	7,349	-1.8%	2,077	1,574	32.0%
CLASS IV MILK	79	1,012	-92.2%	863	1,692	-49.0%	2,203	1,915	15.0%	10,133	4,568	121.8%
DRY WHEY	603	20	2,915.0%	354	18	1,866.7%	2,323	630	268.7%	1,107	37	2,891.9%
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%	25	18	38.9%
LV CATL CSO	10	0	0.0%	0	0	0.0%	1,267	249	408.8%	0	0	0.0%
CASH-SETTLED CHEESE	2,809	5,035	-44.2%	2,752	1,081	154.6%	26,903	31,704	-15.1%	21,899	17,427	25.7%
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	2,994	0	0.0%	0	6	-100.0%	7,476	4	186,800.0%
TOTAL FUTURES GROUP												
Interest Rate Futures	356,553	525,240	-32.1%	39,765,059	48,471,946	-18.0%	4,446,871	4,081,816	8.9%	382,333,343	358,668,057	6.6%
Equity Index Futures	21,861	48,248	-54.7%	28,879,362	36,657,554	-21.2%	504,305	810,462	-37.8%	264,231,259	338,076,504	-21.8%
FX Futures	41	741	-94.5%	15,292,528	13,030,146	17.4%	13,855	11,309	22.5%	115,620,057	112,943,602	2.4%
Commodities and Alternative Inve	6,968	4,191	66.3%	2,838,096	2,152,112	31.9%	50,372	40,005	25.9%	18,855,150	14,580,879	29.3%
Foreign Exchange Futures	0	0	0.0%	2,994	0	0.0%	0	6	-100.0%	7,476	4	186,800.0%
TOTAL FUTURES	385,423	578,420	-33.4%	86,778,039	100,311,758	-13.5%	5,015,403	4,943,598	1.5%	781,047,285	824,269,046	-5.2%

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.

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	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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
TOTAL OPTIONS GROUP												
Equity Index Options	984,033	1,050,286	-6.3%	9,478,210	10,681,079	-11.3%	7,435,308	8,512,733	-12.7%	88,858,941	81,257,721	9.4%
Interest Rate Options	8,966,750	18,022,861	-50.2%	6,856,623	5,831,484	17.6%	124,110,659	126,424,315	-1.8%	64,418,892	43,259,450	48.9%
FX Options	3,977	12,501	-68.2%	1,775,555	1,194,685	48.6%	80,926	198,295	-59.2%	10,404,745	10,837,284	-4.0%
Commodities and Alternative Inve	78,961	124,159	-36.4%	357,844	414,813	-13.7%	737,484	1,348,864	-45.3%	2,947,901	2,915,366	1.1%
TOTAL OPTIONS	10,033,721	19,209,807	-47.8%	18,468,232	18,122,061	1.9%	132,364,377	136,484,207	-3.0%	166,630,479	138,269,821	20.5%
TOTAL COMBINED												
Interest Rate	9,323,303	18,548,101	-49.7%	46,621,682	54,303,430	-14.1%	128,557,530	130,506,131	-1.5%	446,752,235	401,927,507	11.2%
Equity Index	1,005,894	1,098,534	-8.4%	38,357,572	47,338,633	-19.0%	7,939,613	9,323,195	-14.8%	353,090,200	419,334,225	-15.8%
FX	4,018	13,242	-69.7%	17,068,083	14,224,831	20.0%	94,781	209,604	-54.8%	126,024,802	123,780,886	1.8%
Commodities and Alternative Inve	85,929	128,350	-33.1%	3,195,940	2,566,925	24.5%	787,856	1,388,869	-43.3%	21,803,051	17,496,245	24.6%
Foreign Exchange	0	0	0.0%	2,994	0	0.0%	0	6	-100.0%	7,476	4	186,800.0%
GRAND TOTAL	10,419,144	19,788,227	-47.3%	105,246,271	118,433,819	-11.1%	137,379,780	141,427,805	-2.9%	947,677,764	962,538,867	-1.5%