



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Interest Rate Futures</b>												
10-YR NOTE	105,820	106,488	-0.6%	24,606,159	23,661,932	3.99%	932,265	908,764	2.6%	247,674,765	208,354,789	18.9%
10-YR SWAP RATE	0	0	0.0%	12,521	24,470	-48.83%	0	0	0.0%	294,495	305,289	-3.5%
1-MONTH EUROSOLLAR	0	0	0.0%	1,124	2,105	-46.60%	0	0	0.0%	31,166	40,134	-22.3%
2-YR NOTE	2,570	190	1,252.6%	5,022,859	4,409,113	13.92%	19,650	9,398	109.1%	69,458,401	47,258,165	47.0%
2-YR SWAP RATE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
30-YR BOND	23,113	14,470	59.7%	5,095,799	4,514,658	12.87%	142,614	127,785	11.6%	49,332,789	40,339,268	22.3%
30-YR SWAP RATE	0	0	0.0%	0	123	-100.00%	0	0	0.0%	983	9,241	-89.4%
5-YR NOTE	27,217	12,834	112.1%	13,345,701	12,034,803	10.89%	244,305	164,857	48.2%	150,798,419	122,450,126	23.2%
5-YR SWAP RATE	0	0	0.0%	7,533	21,815	-65.47%	0	0	0.0%	168,038	329,525	-49.0%
7-YR SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EUROSOLLARS	504,953	356,553	41.6%	37,334,122	39,762,954	-6.11%	5,962,065	4,446,871	34.1%	448,211,195	382,293,209	17.2%
FED FUND	0	0	0.0%	2,507,178	2,753,557	-8.95%	0	30	-100.0%	37,223,516	31,775,715	17.1%
SOFR	0	-	-	64,874	-	-	0	-	-	131,016	-	-
Ultra 10-Year Note	0	0	0.0%	2,419,672	1,810,751	33.63%	0	8	-100.0%	25,267,189	14,106,507	79.1%
ULTRA T-BOND	0	15	-100.0%	2,090,005	1,645,271	27.03%	230	15	1,433.3%	23,180,556	16,385,469	41.5%
<b>Interest Rate Options</b>												
10-YR NOTE	1,580,212	1,926,260	-18.0%	7,082,253	8,180,309	-13.42%	15,145,240	15,345,278	-1.3%	73,407,161	56,094,090	30.9%
2-YR NOTE	64,045	21,597	196.5%	372,737	42,404	779.01%	980,546	185,977	427.2%	2,655,432	434,094	511.7%
30-YR BOND	361,460	313,735	15.2%	1,758,815	2,339,022	-24.81%	2,139,358	1,773,877	20.6%	15,764,194	13,686,098	15.2%
5-YR NOTE	405,514	336,982	20.3%	1,495,448	1,577,987	-5.23%	4,721,786	3,909,117	20.8%	18,307,728	13,605,143	34.6%
EUROSOLLARS	7,297,228	3,960,773	84.2%	3,000,724	2,698,879	11.18%	66,992,638	63,334,403	5.8%	32,271,231	29,691,735	8.7%
EURO MIDCURVE	5,086,327	5,005,977	1.6%	2,694,156	4,157,744	-35.20%	65,405,878	60,776,256	7.6%	37,730,718	34,727,157	8.6%
FED FUND	0	0	0.0%	1	0	0.00%	1,750	8,398	-79.2%	15,268	1,407	985.1%
Ultra 10-Year Note	0	0	0.0%	0	38	-100.00%	0	952	-100.0%	28	6,835	-99.6%
ULTRA T-BOND	202	811	-75.1%	2,178	872	149.77%	27,107	9,193	194.9%	17,166	11,480	49.5%

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<b>Equity Index Futures</b>												
BITCOIN FUTURES	0	-	-	129,418	-		0	-	-	471,172	-	-
DJ US REAL ESTATE	0	0	0.0%	18,861	11,695	61.27%	0	0	0.0%	162,187	105,916	53.1%
E-mini (\$5) Dow	0	0	0.0%	3,309,138	2,128,156	55.49%	0	0	0.0%	34,815,131	19,577,982	77.8%
E-mini FTSE 100 (USD)	0	0	0.0%	885	19	4,557.89%	0	0	0.0%	10,805	85	12,611.8%
E-mini FTSE China 50	0	0	0.0%	715	1,662	-56.98%	0	0	0.0%	8,184	9,845	-16.9%
E-MINI MIDCAP	0	0	0.0%	266,970	238,414	11.98%	0	0	0.0%	2,623,582	2,546,980	3.0%
E-MINI NASDAQ 100	0	0	0.0%	7,252,366	5,460,087	32.83%	0	0	0.0%	62,336,172	36,454,205	71.0%
E-MINI RUSSELL 1000	0	0	0.0%	8,154	2,100	288.29%	0	0	0.0%	60,578	9,009	572.4%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	7,108	1,609	341.77%	0	0	0.0%	52,087	6,835	662.1%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	8,020	2,063	288.75%	0	0	0.0%	64,670	12,702	409.1%
E-MINI RUSSELL 2000	0	0	0.0%	2,225,633	134,648	1,552.93%	0	0	0.0%	19,271,284	134,648	14,212.3%
E-MINI S&P500	0	0	0.0%	23,169,451	22,133,365	4.68%	0	0	0.0%	240,958,189	216,138,740	11.5%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	3,703	1,270	191.57%	0	0	0.0%	22,899	19,550	17.1%
FT-SE 100	0	0	0.0%	1,010	848	19.10%	0	0	0.0%	9,141	2,679	241.2%
FTSE Emerging	0	0	0.0%	1,357	0	0.00%	0	0	0.0%	2,044	185	1,004.9%
IBOVESPA INDEX	0	0	0.0%	875	152	475.66%	0	0	0.0%	7,098	4,168	70.3%
NASDAQ BIOTECH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NIFTY 50	0	0	0.0%	0	15,006	-100.00%	0	0	0.0%	54,444	68,775	-20.8%
NIKKEI 225 (\$) STOCK	0	0	0.0%	182,851	170,906	6.99%	0	0	0.0%	2,317,957	1,859,983	24.6%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	596,135	663,953	-10.21%	0	0	0.0%	6,300,201	6,368,306	-1.1%
S&P 500	8,526	21,861	-61.0%	1,716	3,769	-54.47%	304,522	504,305	-39.6%	36,864	31,683	16.4%
S&P 500/GI	0	0	0.0%	0	6	-100.00%	0	0	0.0%	52	144	-63.9%
S&P 500/VALUE	0	0	0.0%	1,714	9,684	-82.30%	0	0	0.0%	27,622	57,329	-51.8%
S&P CONSUMER DSCRTRNY S	0	0	0.0%	8,326	2,992	178.28%	0	0	0.0%	92,482	28,198	228.0%
S&P CONSUMER STAPLES SE	0	0	0.0%	10,179	2,626	287.62%	0	0	0.0%	82,551	43,932	87.9%
S&P ENERGY SECTOR	0	0	0.0%	11,647	7,718	50.91%	0	0	0.0%	130,077	71,389	82.2%
S&P FINANCIAL SECTOR	0	0	0.0%	31,775	10,510	202.33%	0	0	0.0%	196,270	101,321	93.7%
S&P HEALTH CARE SECTOR	0	0	0.0%	8,679	3,728	132.81%	0	0	0.0%	82,054	64,274	27.7%
S&P INDUSTRIAL SECTOR	0	0	0.0%	11,426	2,307	395.28%	0	0	0.0%	81,575	26,081	212.8%
S&P MATERIALS SECTOR	0	0	0.0%	4,151	2,852	45.55%	0	0	0.0%	45,587	39,730	14.7%
S&P TECHNOLOGY SECTOR	0	0	0.0%	12,852	3,344	284.33%	0	0	0.0%	125,620	32,695	284.2%
S&P UTILITIES SECTOR	0	0	0.0%	11,129	3,724	198.85%	0	0	0.0%	136,290	97,788	39.4%
YEN DENOMINATED TOPIX	0	-	-	772	-		0	-	-	3,046	-	-

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<b>Equity Index Options</b>												
E-mini (\$5) Dow	0	0	0.0%	6,268	5,933	5.65%	0	0	0.0%	72,415	36,025	101.0%
E-MINI MIDCAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-MINI NASDAQ 100	0	0	0.0%	239,308	276,966	-13.60%	0	0	0.0%	1,721,777	1,456,092	18.2%
E-MINI RUSSELL 2000	0	0	0.0%	5,047	1,857	171.78%	0	0	0.0%	88,292	1,857	4,654.6%
E-MINI S&P500	8,985	0	0.0%	3,085,434	2,337,042	32.02%	14,315	1,935	639.8%	40,388,268	27,410,252	47.3%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	2,192	331	562.24%	0	0	0.0%	40,136	331	12,025.7%
EOM EMINI S&P	0	0	0.0%	1,705,110	1,351,158	26.20%	0	0	0.0%	18,018,857	13,801,619	30.6%
EOM S&P 500	92,853	163,904	-43.3%	0	0	0.00%	1,362,120	1,203,986	13.1%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,129	283	298.94%	0	0	0.0%	15,815	283	5,488.3%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,255	672	86.76%	0	0	0.0%	21,069	672	3,035.3%
EOW1 EMINI S&P 500	0	0	0.0%	980,746	911,791	7.56%	0	0	0.0%	7,699,880	7,794,272	-1.2%
EOW1 S&P 500	160,174	126,069	27.1%	0	0	0.00%	571,880	604,745	-5.4%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	2,910	238	1,122.69%	0	0	0.0%	37,937	238	15,839.9%
EOW2 EMINI S&P 500	0	0	0.0%	942,931	835,882	12.81%	0	0	0.0%	9,157,210	7,619,016	20.2%
EOW2 S&P 500	191,158	159,598	19.8%	0	0	0.00%	1,088,597	1,127,436	-3.4%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	11,561	1,067	983.51%	0	0	0.0%	156,566	1,067	14,573.5%
EOW3 EMINI S&P 500	0	0	0.0%	3,047,988	2,958,456	3.03%	0	0	0.0%	26,351,524	24,474,610	7.7%
EOW3 S&P 500	212,829	386,535	-44.9%	0	0	0.00%	2,211,946	2,439,262	-9.3%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	2,323	501	363.67%	0	0	0.0%	42,729	501	8,428.7%
EOW4 EMINI S&P 500	0	0	0.0%	979,691	801,966	22.16%	0	0	0.0%	8,504,677	6,298,131	35.0%
S&P 500	171,663	147,927	16.0%	0	0	0.00%	2,129,121	2,057,944	3.5%	0	0	0.0%

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<b>Metals Futures</b>												
ALUMINUM	0	0	0.0%	976	602	62.13%	0	0	0.0%	5,604	5,789	-3.2%
COMEX COPPER	0	0	0.0%	2,807,297	1,732,299	62.06%	0	0	0.0%	20,174,838	13,851,951	45.6%
COMEX E-Mini GOLD	0	0	0.0%	11,516	7,215	59.61%	0	0	0.0%	52,196	59,088	-11.7%
COMEX E-Mini SILVER	0	0	0.0%	1,123	915	22.73%	0	0	0.0%	8,566	6,399	33.9%
COMEX GOLD	0	0	0.0%	6,989,474	5,735,118	21.87%	0	0	0.0%	49,728,173	36,959,202	34.5%
COMEX MINY COPPER	0	0	0.0%	360	370	-2.70%	0	0	0.0%	3,540	5,479	-35.4%
COMEX SILVER	0	0	0.0%	1,546,660	1,787,910	-13.49%	0	0	0.0%	14,156,233	12,633,844	12.1%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
E-MICRO GOLD	0	0	0.0%	126,651	81,456	55.48%	0	0	0.0%	906,697	606,072	49.6%
FERROUS PRODUCTS	0	0	0.0%	9	0	0.00%	0	0	0.0%	111	35	217.1%
GOLD	0	0	0.0%	0	1	-100.00%	0	0	0.0%	0	1	-100.0%
Gold Kilo	0	0	0.0%	0	258	-100.00%	0	0	0.0%	136	2,535	-94.6%
IRON ORE 62 CHINA PLATTS F	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI FUTU	0	0	0.0%	38	158	-75.95%	0	0	0.0%	117	2,098	-94.4%
LNDN ZINC	0	0	0.0%	1,538	0	0.00%	0	0	0.0%	2,831	85	3,230.6%
METALS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYMEX HOT ROLLED STEEL	0	0	0.0%	4,137	634	552.52%	0	0	0.0%	22,910	1,902	1,104.5%
NYMEX PLATINUM	0	0	0.0%	386,681	310,600	24.49%	0	0	0.0%	3,131,234	2,553,611	22.6%
PALLADIUM	0	0	0.0%	93,629	78,393	19.44%	0	0	0.0%	794,777	800,771	-0.7%
SILVER	0	0	0.0%	6,645	5,431	22.35%	0	0	0.0%	51,187	36,817	39.0%
URANIUM	0	0	0.0%	21	0	0.00%	0	0	0.0%	131	427	-69.3%

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COMEX COPPER	0	0	0.0%	24,105	5,989	302.49%	0	0	0.0%	121,363	25,910	368.4%
COMEX GOLD	0	0	0.0%	748,184	658,169	13.68%	0	0	0.0%	5,327,032	4,316,994	23.4%
COMEX SILVER	0	0	0.0%	114,859	118,204	-2.83%	0	0	0.0%	908,962	718,790	26.5%
COPPER	0	-	-	129	-	-	0	-	-	177	-	-
GOLD	0	0	0.0%	49,655	9,926	400.25%	0	0	0.0%	261,631	78,189	234.6%
HOT ROLLED COIL STEEL CAL	0	-	-	0	-	-	0	-	-	0	-	-
IRON ORE 62 CHINA TSI CALL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI PUT O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NIKKEI 225 (YEN) STOCK	0	-	-	11	-	-	0	-	-	11	-	-
NYMEX PLATINUM	0	0	0.0%	3,646	1,678	117.28%	0	0	0.0%	12,565	6,652	88.9%
PALLADIUM	0	0	0.0%	1,080	1,166	-7.38%	0	0	0.0%	11,390	6,957	63.7%
SILVER	0	0	0.0%	3,501	55	6,265.45%	0	0	0.0%	9,843	1,370	618.5%
<b>Energy Futures</b>												
3.5% FUEL OIL CID MED SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
3.5% FUEL OIL CIF BALMO S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ALGONQUIN CITYGATES BASI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ANR LOUISIANA BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ANR OKLAHOMA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
APPALACHIAN COAL (PHY)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ARGUS LLS VS. WTI (ARG) T	0	0	0.0%	0	0	0.00%	0	0	0.0%	30	60	-50.0%
ARGUS PROPAN FAR EST IND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ARGUS PROPAN(SAUDI ARAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AUSTRIALIAN COKE COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CFD SWAP	0	-	-	0	-	-	0	-	-	0	-	-

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Futures</b>												
BRENT FINANCIAL FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	1,610,194	1,410,009	14.20%	0	0	0.0%	12,573,585	13,629,912	-7.8%
CAISO SP15 EZGNHUB5 MW P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CANADIAN LIGHT SWEET OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CENTERPOINT BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CENTERPOINT EAST INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CEU ENERGY	0	-	-	6,674	-		0	-	-	48,472	-	-
CHICAGO ETHANOL SWAP	0	0	0.0%	15	136	-88.97%	0	0	0.0%	1,845	1,525	21.0%
CHICAGO ULSD (PLATTS) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHICAGO UNL GAS PL VS RBO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIG BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIG ROCKIES NG INDEX SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CINERGY HUB OFF-PEAK MON	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COLUMB GULF MAINLINE NG B	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COLUMBIA GULF MAIN NAT G	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
COLUMBIA GULF ONSHORE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CONWAY NATURAL GASOLINE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CONWAY NORMAL BUTANE (O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CONWAY PROPANE 5 DECIMA	0	0	0.0%	0	0	0.00%	0	0	0.0%	31	39	-20.5%
CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	89	205	-56.6%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	0	0	0.0%	22,689,538	27,094,330	-16.26%	0	0	0.0%	187,583,797	170,939,823	9.7%
CRUDE OIL SPRDS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	50	-100.0%
CRUDE OIL TRADE AT MARKE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DAILY PJM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Futures</b>												
DATED TO FRONTLINE BRENT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DEMARC INDEX FUTURE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DEMARC SWING SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DIESEL 10P BRG FOB RDM VS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DIESEL 10PPM BARGES FOB B	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DLY GAS EURO-BOB OXY	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DOMINION TRAN INC - APP I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DOMINION TRANSMISSION INC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL CALENDAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DY EURO 3.5% FUEL OI RDA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EASTERN RAIL DELIVERY CSX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EAST/WEST FUEL OIL SPREAD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EIA FLAT TAX ONHWAY DIESE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC ERCOT DLY OFF PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	0	-	-	0	-		0	-	-	0	-	-
ELEC FINSETTLED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC MISO PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC WEST POWER OFF-PEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC WEST POWER PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EL PASO PERMIAN INDEX SWA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ERCOT DAILY 5MW PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT HOUSTON Z MCPE 5M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL	0	0	0.0%	6,646	6,524	1.87%	0	0	0.0%	63,104	102,939	-38.7%
ETHANOL FWD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHANOL SWAP	0	-	-	0	-		0	-	-	0	-	-
ETHANOL T2 FOB ROTT INCL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Futures</b>												
EURO 1% FUEL OIL NEW BALM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO 3.5% FUEL OIL RDAM B	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO 3.5% FUEL OIL SPREAD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO GASOIL 10 CAL SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EURO GASOIL 10PPM VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL NWE CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL RDAM C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPEAN GASOIL (ICE)	0	0	0.0%	318	3,401	-90.65%	0	0	0.0%	3,317	23,621	-86.0%
EUROPEAN NAPHTHA BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPEAN NAPHTHA CRACK S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE DATED BRENT SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE JET KERO NWE CALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE NAPHTHA CALSWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO PROPANE CIF ARA SW	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FL GAS ZONE 3 NAT GAS IND	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
FLORIDA GAS ZONE3 BASIS S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUEL OIL CRACK VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUEL OIL NWE CRACK VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUELOIL SWAP:CARGOES VS.	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 BRGS FOB VS IC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GASOIL 0.1 CIF MED SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF NWE VS ISE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CRG CIF NW VS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Futures</b>												
GASOIL 0.1 ROTTERDAM BAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 10P CRG CIF NW VS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 10PPM CARGOES CIF	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GASOIL 10PPM VS ICE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL BULLET SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL CRACK SPREAD CALE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL MINI CALENDAR SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOLINE UP-DOWN BALMO S	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GROUP THREE ULSD (PLATTS)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GROUP THREE UNLEAD GAS (	0	-	-	0	-		0	-	-	0	-	-
GRP THREE ULSD(PLT)VS HEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GRP THREE UNL GS (PLT) VS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST 3% FUEL OIL BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST GASOLINE CLND	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GULF COAST JET FUEL CLNDR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST JET VS NYM 2 H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST NO.6 FUEL OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CALEND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CRACK SP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRCK SPRD BAL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HEATING OIL PHY	0	0	0.0%	3,171,255	3,405,108	-6.87%	0	0	0.0%	26,230,278	22,666,226	15.7%
HENRY HUB BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2,996	-100.0%
HENRY HUB FINANCIAL LAST	0	0	0.0%	4,044	151	2,578.15%	0	0	0.0%	18,823	151	12,365.6%
HENRY HUB INDEX SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2,996	-100.0%
HENRY HUB SWAP	0	0	0.0%	671	244	175.00%	0	0	0.0%	54,635	59,903	-8.8%
HENRY HUB SWING FUTURE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HOUSTON SHIP CHANNEL BAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOUSTON SHIP CHANNEL IND	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HTG OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	84	-100.0%
HUSTN SHIP CHNL PIPE SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ICE GASOIL BALMO SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Futures</b>												
IN DELIVERY MONTH EUA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
INDIANA MISO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
INDONESIAN COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
INDONESIAN COAL ICI4	0	-	-	0	-		0	-	-	0	-	-
ISO NEW ENGLAND OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN NAPHTHA BALMO SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET AV FUEL (P) CAR FM ICE G	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET BARGES VS ICE GASOIL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JET CIF NWE VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET FUEL BRG FOB RDM VS I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET FUEL CRG CIF NEW VS I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET FUEL UP-DOWN BALMO C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARBOB GASOLINE(OPIS)S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA JET FUEL VS NYM NO 2 H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA JET (OPIS) SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	15	-100.0%
LTD NAT GAS	0	0	0.0%	146,864	118,378	24.06%	0	0	0.0%	1,463,095	834,426	75.3%
MARS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MARS BLEND CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	200	-100.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	285	0	0.00%	0	0	0.0%	714	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MGF FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MGN1 SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MICHCON NG INDEX SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MICHIGAN BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI GAS EUROBOB OXY NWE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOBARG NWE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Futures</b>												
MINI RBOB V. EBOB(ARGUS) N	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINY HTG OIL	0	0	0.0%	4	4	0.00%	0	0	0.0%	22	18	22.2%
MINY NATURAL GAS	0	0	0.0%	18,448	16,566	11.36%	0	0	0.0%	185,986	184,590	0.8%
MINY RBOB GAS	0	0	0.0%	4	3	33.33%	0	0	0.0%	23	31	-25.8%
MINY WTI CRUDE OIL	0	0	0.0%	403,151	254,223	58.58%	0	0	0.0%	2,380,009	1,815,186	31.1%
MJC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MNC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE 5 DEC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE OPIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	48	26	84.62%	0	0	0.0%	136	170	-20.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NAT GAS BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	31,291	33,126	-5.54%	0	0	0.0%	342,255	255,475	34.0%
NATURAL GAS FIXED PRICE S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PEN SWP	0	0	0.0%	0	7	-100.00%	0	0	0.0%	0	58	-100.0%
NATURAL GAS PHY	0	0	0.0%	6,867,404	7,302,983	-5.96%	0	0	0.0%	59,742,918	58,613,942	1.9%
NEPOOL CNCTCT 5MW D AH O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL NEW HAMP 5MW D A	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL RHD ISLD 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL SE MASS 5MW D AH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL W CNT MASS 5MW D	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL W CNTR M 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW ENGLAND HUB PEAK DAI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Futures</b>												
NEW YORK ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE G PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NGPL MIDCONTINENT INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NGPL MIDCONTINENT SWING	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NGPL TEX/OK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NGPL TEXOK INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
N ILLINOIS HUB DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHERN NATURAL GAS DEM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHERN NATURAL GAS VEN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHERN ILLINOIS OFF-PEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHWEST ROCKIES BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY 2.2% FUEL OIL (PLATTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR 1% FUEL OIL BAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	12	0	0.00%	0	0	0.0%	58	3	1,833.3%
NY HARBOR LOW SULPUR GA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR RESIDUAL FUEL 1	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYH NO 2 CRACK SPREAD CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY H OIL PLATTS VS NYMEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO A	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO A OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO CAPACITY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO G	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO G OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO J	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Futures</b>												
NYISO ZONE C 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY JET FUEL (PLATTS) HEAT C	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYMEX ALUMINUM FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY ULSD (ARGUS) VS HEATIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ONEOK OKLAHOMA NG BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PANHANDLE BASIS SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PANHANDLE INDEX SWAP FUT	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PANHANDLE PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS ASIA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM AECO DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM AECO DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM APS ZONE DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM APS ZONE DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM ATSI ELEC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Futures</b>												
PJM DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM JCPL DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM JCPL DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM MONTHLY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NILL DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM OFF-PEAK LMP SWAP FU	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK C	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM PPL DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PPL DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50 M	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM WESTH DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTHDA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH RT OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH RT PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PLASTICS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREMIUM UNLD 10P FOB MED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREMIUM UNLEAD 10PPM FOB	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MB (OPIS)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MT. BEL (	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5	-100.0%
RBOB CRACK SPREAD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CRACK SPREAD BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLNC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	3,776,733	3,766,073	0.28%	0	0	0.0%	27,333,173	27,073,209	1.0%
RBOB (PLATTS) CAL SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Futures</b>												
RBOB SPREAD (PLATTS) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB UP-DOWN CALENDAR S	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ROCKIES KERN OPAL - NW IN	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SAN JUAN BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	0	-	-	0	-	-	0	-	-	0	-	-
SINGAPORE 180CST BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST FUEL OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL 180CST CAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL OIL SPREA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL CALEND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	36	-94.4%
SINGAPORE GASOIL VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO GASOI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KEROSENE S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO VS. GA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	5	-60.0%
SINGAPORE NAPHTHA BALMO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SINGAPORE NAPHTHA SWAP	0	-	-	0	-	-	0	-	-	0	-	-
SING FUEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SONAT BASIS SWAP FUTURE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SOUTHERN NAT LA NAT GAS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SOUTH STAR TEX OKLHM KNS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Sumas Basis Swap	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SUMAS NAT GAS PLATTS FIXE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TC2 ROTTERDAM TO USAC 37	0	-	-	0	-	-	0	-	-	0	-	-
TC5 RAS TANURA TO YOKOHA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TCO BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TCO NG INDEX SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Futures</b>												
TD3 MEG TO JAPAN 250K MT	0	-	-	0	-		0	-	-	0	-	-
TENN 800 LEG NAT GAS INDE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TENNESSEE 500 LEG BASIS S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TENNESSEE 800 LEG NG BASI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TENNESSEE ZONE 0 BASIS S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TETCO M-3 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Tetco STX Basis	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TEXAS EASTERN ZONE M-3 BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TEXAS GAS ZONE1 NG BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Transco Zone 3 Basis	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 3 NG INDEX S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE4 BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 4 NAT GAS IN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 BASIS SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UCM FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF MED BALMO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ULSD 10PPM CIF MED SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF MED VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF NW BALMO S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF VS ICE GAS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ULSD UP-DOWN BALMO SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UP DOWN GC ULSD VS NMX H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
USGC UNL 87 CRACK SPREAD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
WAHA BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WAHA INDEX SWAP FUTURE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WESTERN RAIL DELIVERY PR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI-BRENT CALENDAR SWAP	0	0	0.0%	3	0	0.00%	0	0	0.0%	6	120	-95.0%
WTI CALENDAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI TRD MT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Options</b>												
12 MO GASOIL CAL SWAP SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
1 MO GASOIL CAL SWAP SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRENT 1 MONTH CAL	0	-	-	0	-	-	0	-	-	0	-	-
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CRUDE OIL 12 M CSO	0	-	-	0	-	-	0	-	-	0	-	-
BRENT CRUDE OIL 1 M CSO	0	-	-	500	-	-	0	-	-	2,900	-	-
BRENT CRUDE OIL 6 M CSO	0	-	-	0	-	-	0	-	-	0	-	-
BRENT OIL LAST DAY	0	0	0.0%	114,122	12,343	824.59%	0	0	0.0%	406,945	37,053	998.3%
COAL API2 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL API4 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL 1MO	0	0	0.0%	12,200	17,425	-29.99%	0	0	0.0%	107,260	126,284	-15.1%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	331	52	536.5%
CRUDE OIL CALNDR STRIP	0	-	-	0	-	-	0	-	-	0	-	-
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	0	0	0.0%	2,559,968	2,853,093	-10.27%	0	0	0.0%	21,049,003	22,254,336	-5.4%
ELEC FINSETTLED	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ELEC MISO PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EUROPEAN JET KEROSENE N	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOLINE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRACK OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRK SPD AVG P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	0	0	0.0%	2,120	3,985	-46.80%	0	0	0.0%	39,927	35,118	13.7%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	0	0.0%
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HUSTN SHIP CHNL PIPE SWP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
LLS CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGCS COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	987	795	24.15%	0	0	0.0%	1,141	995	14.7%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Energy Options</b>												
NATURAL GAS 2 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 3 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	1	0	0.0%
NATURAL GAS 5 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 6 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS OPTION ON CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	0	0.0%	800,146	1,127,902	-29.06%	0	0	0.0%	8,410,127	8,185,410	2.7%
NG HH 3 MONTH CAL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	67	24	179.17%	0	0	0.0%	410	413	-0.7%
NYISO ZONE G 5MW PEAK OP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL A	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL O	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PANHANDLE PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	20	0	0.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	-	-	0	-		0	-	-	0	-	-
PJM MONTHLY	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM WES HUB PEAK CAL MTH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB 1MO CAL SPD OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	10	-100.0%
RBOB PHY	0	0	0.0%	1,458	4,876	-70.10%	0	0	0.0%	27,175	40,330	-32.6%
ROTTERDAM 3.5%FUEL OIL CL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SHORT TERM	0	0	0.0%	125	0	0.00%	0	0	0.0%	625	0	0.0%
SHORT TERM NATURAL GAS	0	0	0.0%	184	0	0.00%	0	0	0.0%	746	0	0.0%
SINGAPORE GASOIL CALEND A	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	1,250	600	108.33%	0	0	0.0%	136,511	5,620	2,329.0%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	800	0	0.00%	0	0	0.0%	14,550	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>FX Futures</b>												
AD/CD CROSS RATES	0	0	0.0%	1	3	-66.67%	0	0	0.0%	43	29	48.3%
AD/JY CROSS RATES	0	0	0.0%	5,262	2,285	130.28%	0	0	0.0%	28,730	15,490	85.5%
AD/NE CROSS RATES	0	0	0.0%	93	109	-14.68%	0	0	0.0%	545	619	-12.0%
AUSTRALIAN DOLLAR	0	11	-100.0%	1,970,145	1,924,173	2.39%	0	1,506	-100.0%	16,536,688	13,132,033	25.9%
BDI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	6,243	-100.0%
BP/JY CROSS RATES	0	0	0.0%	2,463	2,110	16.73%	0	0	0.0%	21,852	17,934	21.8%
BP/SF CROSS RATES	0	0	0.0%	485	53	815.09%	0	0	0.0%	2,454	597	311.1%
BRAZIL REAL	0	0	0.0%	71,542	48,203	48.42%	0	0	0.0%	655,696	343,628	90.8%
BRITISH POUND	0	0	0.0%	2,492,055	1,989,079	25.29%	7	248	-97.2%	19,235,209	16,959,601	13.4%
CANADIAN DOLLAR	0	2	-100.0%	1,407,690	1,595,262	-11.76%	38	2,036	-98.1%	12,432,924	10,737,519	15.8%
CD/JY CROSS RATES	0	0	0.0%	4	66	-93.94%	0	0	0.0%	542	502	8.0%
CHINESE RENMINBI (CNH)	0	0	0.0%	2,968	685	333.28%	0	0	0.0%	17,604	9,676	81.9%
CZECK KORUNA (EC)	0	-	-	2	-	-	0	-	-	2	-	-
CZECK KORUNA (US)	0	-	-	15	-	-	0	-	-	15	-	-
EC/AD CROSS RATES	0	0	0.0%	1,014	1,197	-15.29%	0	0	0.0%	11,296	17,663	-36.0%
EC/CD CROSS RATES	0	0	0.0%	912	3,442	-73.50%	0	0	0.0%	24,110	28,521	-15.5%
EC/NOK CROSS RATES	0	0	0.0%	308	160	92.50%	0	0	0.0%	2,487	444	460.1%
EC/SEK CROSS RATES	0	0	0.0%	307	755	-59.34%	0	0	0.0%	5,854	2,600	125.2%
EFX/BP CROSS RATES	0	0	0.0%	56,977	50,331	13.20%	0	0	0.0%	554,541	442,276	25.4%
EFX/JY CROSS RATES	0	0	0.0%	39,548	56,116	-29.52%	0	0	0.0%	567,913	416,250	36.4%
EFX/SF CROSS RATES	0	0	0.0%	15,596	41,212	-62.16%	0	0	0.0%	192,919	227,897	-15.3%
E-MICRO AUD/USD	0	0	0.0%	99,245	99,803	-0.56%	0	0	0.0%	696,844	576,948	20.8%
E-MICRO CAD/USD	0	0	0.0%	14,260	25,429	-43.92%	0	0	0.0%	126,909	126,303	0.5%
E-MICRO CHF/USD	0	0	0.0%	1,326	836	58.61%	0	0	0.0%	9,586	6,513	47.2%
E-MICRO EUR/USD	0	0	0.0%	245,637	176,724	38.99%	0	0	0.0%	2,709,618	1,749,607	54.9%
E-MICRO GBP/USD	0	0	0.0%	33,767	31,778	6.26%	0	0	0.0%	345,853	423,106	-18.3%
E-MICRO INR/USD	0	0	0.0%	4,270	2,833	50.72%	0	0	0.0%	28,820	18,209	58.3%
E-MICRO JPY/USD	0	0	0.0%	25,224	26,367	-4.33%	0	0	0.0%	224,531	296,794	-24.3%
E-MICRO USD/CAD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-MICRO USD/CHF	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-MICRO USD/CNH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-MICRO USD/JPY	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-MINI EURO FX	0	0	0.0%	69,489	83,746	-17.02%	0	0	0.0%	742,007	632,021	17.4%
E-MINI JAPANESE YEN	0	0	0.0%	15,261	31,403	-51.40%	0	0	0.0%	95,832	246,260	-61.1%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>FX Futures</b>												
EURO FX	2	28	-92.9%	4,486,043	4,433,824	1.18%	452	2,266	-80.1%	40,787,233	30,840,492	32.3%
HUNGARIAN FORINT (EC)	0	-	-	0	-		0	-	-	0	-	-
HUNGARIAN FORINT (US)	0	-	-	0	-		0	-	-	0	-	-
INDIAN RUPEE	0	0	0.0%	65,210	23,573	176.63%	0	0	0.0%	621,977	211,543	194.0%
JAPANESE YEN	2	0	0.0%	2,760,440	2,805,975	-1.62%	102	7,794	-98.7%	22,058,390	23,450,694	-5.9%
KOREAN WON	0	0	0.0%	112	6	1,766.67%	0	0	0.0%	1,637	129	1,169.0%
MEXICAN PESO	0	0	0.0%	1,238,707	711,791	74.03%	0	5	-100.0%	9,826,952	7,009,864	40.2%
NEW ZEALND DOLLAR	0	0	0.0%	527,199	439,944	19.83%	0	0	0.0%	4,573,036	3,404,004	34.3%
NKR/USD CROSS RATE	0	0	0.0%	3,464	1,999	73.29%	0	0	0.0%	27,882	12,446	124.0%
POLISH ZLOTY (EC)	0	0	0.0%	9	30	-70.00%	0	0	0.0%	84	353	-76.2%
POLISH ZLOTY (US)	0	0	0.0%	30	114	-73.68%	0	0	0.0%	624	797	-21.7%
RMB USD	0	0	0.0%	1	18	-94.44%	0	0	0.0%	18	202	-91.1%
RUSSIAN RUBLE	0	0	0.0%	23,243	28,570	-18.65%	0	0	0.0%	361,262	245,319	47.3%
S.AFRICAN RAND	0	0	0.0%	36,992	49,490	-25.25%	0	0	0.0%	305,125	292,292	4.4%
SF/JY CROSS RATES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SHEKEL	0	-	-	0	-		0	-	-	0	-	-
SKR/USD CROSS RATES	0	0	0.0%	2,975	1,195	148.95%	0	0	0.0%	25,639	13,532	89.5%
SWISS FRANC	0	0	0.0%	501,443	601,839	-16.68%	0	0	0.0%	4,116,800	3,703,095	11.2%
TURKISH LIRA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	12	-100.0%
USDZAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>FX Options</b>												
AUD/USD PQO 2pm Fix	0	1,000	-100.0%	102,256	191,720	-46.66%	0	4,175	-100.0%	857,425	671,383	27.7%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2	-100.0%
AUSTRALIAN DOLLAR	0	0	0.0%	0	0	0.00%	0	2,674	-100.0%	0	200,250	-100.0%
BRITISH POUND	0	0	0.0%	0	0	0.00%	0	693	-100.0%	0	462,114	-100.0%
BRITISH POUND (EU)	0	0	0.0%	13	278	-95.32%	0	0	0.0%	254	1,322	-80.8%
CAD/USD PQO 2pm Fix	10	142	-93.0%	122,603	230,999	-46.92%	1,944	2,468	-21.2%	1,156,218	795,735	45.3%
CANADIAN DOLLAR	0	0	0.0%	0	0	0.00%	0	4,597	-100.0%	0	183,080	-100.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	0	12	-100.00%	0	0	0.0%	63	98	-35.7%
CHF/USD PQO 2pm Fix	0	0	0.0%	3,551	3,423	3.74%	0	0	0.0%	22,221	15,686	41.7%
EFX/JY CROSS RATES	0	-	-	0	-	-	0	-	-	0	-	-
EURO FX	0	0	0.0%	0	0	0.00%	0	8,535	-100.0%	0	1,287,538	-100.0%
EURO FX (EU)	0	0	0.0%	5	13	-61.54%	0	0	0.0%	36	346	-89.6%
EUR/USD PQO 2pm Fix	1,151	2,029	-43.3%	516,626	857,786	-39.77%	9,451	18,791	-49.7%	5,469,939	3,488,606	56.8%
GBP/USD PQO 2pm Fix	0	36	-100.0%	220,248	192,781	14.25%	576	2,470	-76.7%	1,668,232	1,135,126	47.0%
JAPANESE YEN	0	0	0.0%	0	0	0.00%	0	8,468	-100.0%	0	544,469	-100.0%
JAPANESE YEN (EU)	0	0	0.0%	0	40	-100.00%	0	0	0.0%	0	180	-100.0%
JPY/USD PQO 2pm Fix	82	770	-89.4%	279,558	298,055	-6.21%	3,965	27,306	-85.5%	1,857,974	1,592,950	16.6%
MEXICAN PESO	0	0	0.0%	2,312	448	416.07%	3,888	749	419.1%	11,994	20,136	-40.4%
RUSSIAN RUBLE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SWISS FRANC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5,710	-100.0%
SWISS FRANC (EU)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	14	-100.0%
<b>Ags Futures</b>												
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
<b>Foreign Exchange Futures</b>												
CHILEAN PESO	0	0	0.0%	593	2,994	-80.19%	0	0	0.0%	9,388	7,476	25.6%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Foreign Exchange Options</b>												
AUD/USD PQO 2pm Fix	0	-	-	239	-	-	0	-	-	4,894	-	-
<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	3,266	2,801	16.60%	0	0	0.0%	30,571	20,488	49.2%
CASH-SETTLED CHEESE	0	0	0.0%	10,596	7,694	37.72%	0	0	0.0%	71,049	67,936	4.6%
CAT EURO SEASONAL STRIP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CATTLE	968	2,566	-62.3%	1,475,409	1,478,927	-0.24%	9,614	30,338	-68.3%	9,798,456	9,868,709	-0.7%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	25	-100.0%
CHI WHEAT	20,838	14,836	40.5%	2,942,450	3,085,913	-4.65%	104,180	123,485	-15.6%	23,293,804	20,669,778	12.7%
CLASS IV MILK	0	0	0.0%	577	525	9.90%	0	61	-100.0%	4,145	7,473	-44.5%
COCOA TAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	81	-93.8%
COFFEE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	40	-100.0%
CORN	51,258	45,106	13.6%	6,391,095	8,312,690	-23.12%	261,992	251,063	4.4%	60,299,466	53,598,369	12.5%
COTTON	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	15	-86.7%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DOW-UBS COMMOD INDEX	0	0	0.0%	57,061	46,717	22.14%	0	0	0.0%	591,685	488,308	21.2%
DRY WHEY	0	0	0.0%	1,055	835	26.35%	0	0	0.0%	8,924	13,728	-35.0%
FEEDER CATTLE	5	0	0.0%	338,058	300,055	12.67%	17	423	-96.0%	2,073,451	1,985,558	4.4%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	28,783	35,933	-19.90%	0	0	0.0%	220,462	242,667	-9.2%
GSCI EXCESS RETURN FUT	0	0	0.0%	33	0	0.00%	0	0	0.0%	338	702	-51.9%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	55	50	10.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	50	-100.0%
HOGS	1,348	4,269	-68.4%	1,246,877	968,972	28.68%	9,967	18,759	-46.9%	7,816,806	6,310,260	23.9%
HOUSING INDEX	0	0	0.0%	5	6	-16.67%	0	0	0.0%	57	82	-30.5%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	744	572	30.1%	1,038,998	989,957	4.95%	8,193	8,890	-7.8%	9,631,948	7,379,996	30.5%
LUMBER	0	0	0.0%	15,314	14,202	7.83%	0	0	0.0%	134,023	113,742	17.8%

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<b>Ag Products Futures</b>												
MALYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	170	133	27.8%	23,318	25,413	-8.24%	1,038	791	31.2%	155,260	189,981	-18.3%
MINI CORN	0	0	0.0%	8,387	12,650	-33.70%	0	0	0.0%	73,754	73,885	-0.2%
MINI SOYBEAN	0	0	0.0%	17,299	23,732	-27.11%	0	0	0.0%	173,266	118,769	45.9%
MINI WHEAT	0	0	0.0%	10,986	8,531	28.78%	0	0	0.0%	54,541	45,076	21.0%
MLK MID OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NFD MILK	0	0	0.0%	6,049	2,733	121.33%	43	0	0.0%	37,143	33,699	10.2%
OATS	0	0	0.0%	6,841	9,712	-29.56%	40	80	-50.0%	97,565	97,422	0.1%
PALM OIL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ROUGH RICE	0	0	0.0%	10,670	9,211	15.84%	0	0	0.0%	124,162	149,266	-16.8%
SOYBEAN	12,257	14,584	-16.0%	3,627,110	5,089,996	-28.74%	109,100	95,513	14.2%	35,973,112	30,184,878	19.2%
SOYBEAN MEAL	938	3,296	-71.5%	2,325,134	2,273,902	2.25%	29,520	15,756	87.4%	18,904,842	14,441,817	30.9%
SOYBEAN OIL	1,500	2,213	-32.2%	2,112,584	2,406,188	-12.20%	11,493	27,001	-57.4%	18,327,972	16,665,696	10.0%
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SUGAR 11	0	0	0.0%	0	5	-100.00%	0	0	0.0%	58	37	56.8%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WHEAT	0	0	0.0%	0	23,789	-100.00%	0	0	0.0%	22	110,541	-100.0%
<b>Ag Products Options</b>												
AUG-DEC SOYBEAN MEAL CS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
AUG-NOV SOYBEAN CAL SPR	0	50	-100.0%	0	0	0.00%	0	103	-100.0%	0	0	0.0%
BUTTER CS	518	1,424	-63.6%	2,260	362	524.31%	8,309	7,218	15.1%	19,004	2,077	815.0%
CASH-SETTLED CHEESE	2,406	2,809	-14.3%	6,988	2,752	153.92%	18,396	26,903	-31.6%	51,051	21,899	133.1%
CATTLE	18,573	30,116	-38.3%	186,608	148,891	25.33%	193,777	380,630	-49.1%	1,615,530	1,385,012	16.6%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHI WHEAT	233,042	196,826	18.4%	662,583	642,619	3.11%	1,323,834	1,165,549	13.6%	4,523,651	3,834,961	18.0%
CLASS IV MILK	122	79	54.4%	1,332	863	54.35%	615	2,203	-72.1%	6,331	10,133	-37.5%
CORN	658,191	907,761	-27.5%	1,987,971	2,381,938	-16.54%	4,420,638	4,552,973	-2.9%	12,615,847	11,105,987	13.6%
CORN NEARBY+2 CAL SPRD	800	1,040	-23.1%	100	0	0.00%	7,778	7,857	-1.0%	100	77	29.9%
DEC-DEC CORN CAL SPRD	2,233	530	321.3%	0	57	-100.00%	8,404	6,005	40.0%	0	244	-100.0%
DEC-JULY CORN CAL SPRD	6,334	6,704	-5.5%	0	0	0.00%	9,494	24,524	-61.3%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Ag Products Options</b>												
DEC-JULY WHEAT CAL SPRD	110	0	0.0%	0	0	0.00%	110	0	0.0%	0	0	0.0%
DRY WHEY	103	603	-82.9%	390	354	10.17%	1,222	2,323	-47.4%	2,911	1,107	163.0%
FEEDER CATTLE	1,336	4,429	-69.8%	25,339	18,833	34.55%	14,469	27,691	-47.7%	198,727	206,876	-3.9%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	29,783	28,485	4.6%	280,856	160,586	74.89%	183,860	193,244	-4.9%	1,290,753	1,128,786	14.3%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	25	-100.0%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	8,779	701	1,152.4%	0	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	0	-	-	0	-	-	0	-	-	0	-	-
JULY-DEC CORN CAL SPRD	0	0	0.0%	0	0	0.00%	9,346	17,402	-46.3%	100	0	0.0%
JULY-DEC SOYMEAL CAL SPR	1,200	-	-	0	-	-	1,200	-	-	0	-	-
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	0	0.00%	0	630	-100.0%	0	10	-100.0%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	1,965	1,414	39.0%	455	200	127.5%
JULY-JULY WHEAT CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	47,773	69,340	-31.1%	2,333	1,317	77.1%
KC WHEAT	29,588	19,020	55.6%	61,653	34,590	78.24%	230,040	119,154	93.1%	417,743	246,164	69.7%
LUMBER	1	5	-80.0%	922	739	24.76%	207	35	491.4%	12,788	7,882	62.2%
LV CATL CSO	5	10	-50.0%	0	0	0.00%	113	1,267	-91.1%	0	0	0.0%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	200	1,293	-84.5%	0	76	-100.0%
MILK	5,374	10,384	-48.2%	30,753	22,731	35.29%	46,434	84,692	-45.2%	176,729	165,228	7.0%
MLK MID OPTIONS	42	16	162.5%	0	0	0.00%	332	501	-33.7%	1	0	0.0%
NFD MILK	235	601	-60.9%	3,965	1,733	128.79%	7,468	10,777	-30.7%	29,529	18,876	56.4%
NOV-JULY SOYBEAN CAL SPR	0	1	-100.0%	0	0	0.00%	1	626	-99.8%	0	0	0.0%
NOV-MAR SOYBEAN CSO	50	-	-	0	-	-	130	-	-	0	-	-
NOV-NOV SOYBEAN CAL SPR	0	42	-100.0%	0	0	0.00%	18	121	-85.1%	0	0	0.0%
OATS	14	740	-98.1%	109	607	-82.04%	686	3,907	-82.4%	1,919	4,797	-60.0%
ROUGH RICE	678	1,022	-33.7%	795	770	3.25%	3,982	8,147	-51.1%	6,170	7,036	-12.3%
SEP-DEC SOYBEAN MEAL CSC	4	-	-	0	-	-	1,170	-	-	0	-	-
SOYBEAN	275,037	381,983	-28.0%	1,178,324	1,783,820	-33.94%	2,319,472	2,171,494	6.8%	10,286,068	8,020,306	28.3%
SOYBEAN CRUSH	54	55	-1.8%	0	0	0.00%	185	510	-63.7%	0	0	0.0%
SOYBEAN MEAL	48,819	72,058	-32.3%	141,456	163,481	-13.47%	810,543	409,132	98.1%	1,451,446	920,828	57.6%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Ag Products Options</b>												
SOYBEAN OIL	29,010	43,951	-34.0%	51,593	69,037	-25.27%	248,061	608,463	-59.2%	546,180	648,131	-15.7%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	0	0	0.00%	10	460	-97.8%	0	600	-100.0%
SOYMEAL NEARBY+2 CAL SPR	250	0	0.0%	0	0	0.00%	2,650	0	0.0%	0	0	0.0%
WHEAT	1,495	0	0.0%	5	0	0.00%	2,105	997	111.1%	218	427	-48.9%
WHEAT-CORN ICSCO	1,435	60	2,291.7%	0	0	0.00%	4,780	5,265	-9.2%	0	6	-100.0%
WHEAT NEARBY+2 CAL SPRD	550	400	37.5%	675	200	237.50%	7,285	4,426	64.6%	3,881	3,147	23.3%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	663,673	490,550	35.3%	92,507,547	90,641,552	2.1%	7,301,129	5,657,728	29.0%	1,051,772,528	863,647,437	21.8%
Equity Index Futures	8,526	21,861	-61.0%	37,297,016	31,019,213	20.2%	304,522	504,305	-39.6%	370,587,915	283,915,157	30.5%
Metals Futures	0	0	0.0%	11,976,755	9,741,360	22.9%	0	0	0.0%	89,039,281	67,526,106	31.9%
Energy Futures	0	0	0.0%	38,733,602	43,411,292	-10.8%	0	0	0.0%	318,026,405	296,208,019	7.4%
FX Futures	4	41	-90.2%	16,221,734	15,292,528	6.1%	599	13,855	-95.7%	137,978,088	115,620,057	19.3%
Ags Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange Futures	0	0	0.0%	593	2,994	-80.2%	0	0	0.0%	9,388	7,476	25.6%
Ag Products Futures	90,026	87,575	2.8%	21,697,955	25,131,089	-13.7%	545,197	572,160	-4.7%	187,896,944	162,879,124	15.4%
<b>TOTAL FUTURES</b>	<b>762,229</b>	<b>600,027</b>	<b>27.0%</b>	<b>218,435,202</b>	<b>215,240,028</b>	<b>1.5%</b>	<b>8,151,447</b>	<b>6,748,048</b>	<b>20.8%</b>	<b>2,155,310,549</b>	<b>1,789,803,376</b>	<b>20.4%</b>
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	837,662	984,033	-14.9%	11,013,893	9,484,143	16.1%	7,377,979	7,435,308	-0.8%	112,317,152	88,894,966	26.3%
Interest Rate Options	14,794,988	11,566,135	27.9%	16,406,312	18,997,255	-13.6%	155,414,303	145,343,451	6.9%	180,168,926	148,258,039	21.5%
Metals Options	0	0	0.0%	945,170	795,187	18.9%	0	0	0.0%	6,652,974	5,154,862	29.1%
Energy Options	0	0	0.0%	3,493,927	4,021,043	-13.1%	0	0	0.0%	30,197,677	30,685,621	-1.6%
FX Options	1,243	3,977	-68.7%	1,247,172	1,775,555	-29.8%	19,824	80,926	-75.5%	11,044,356	10,404,745	6.1%
Ag Products Options	1,347,392	1,711,204	-21.3%	4,624,677	5,434,963	-14.9%	9,945,841	9,917,977	0.3%	33,259,465	27,742,215	19.9%
Foreign Exchange Options	0	-	-	239	-	-	0	-	-	4,894	-	-
<b>TOTAL OPTIONS</b>	<b>16,981,285</b>	<b>14,265,349</b>	<b>19.0%</b>	<b>37,731,390</b>	<b>40,508,146</b>	<b>-6.9%</b>	<b>172,757,947</b>	<b>162,777,662</b>	<b>6.1%</b>	<b>373,645,444</b>	<b>311,140,448</b>	<b>20.1%</b>

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2018	Open Outcry JUL 2017	% CHG	ELEC JUL 2018	ELEC JUL 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>TOTAL COMBINED</b>												
Interest Rate	15,458,661	12,056,685	28.2%	108,913,859	109,638,807	-0.7%	162,715,432	151,001,179	7.8%	1,231,941,454	1,011,905,476	21.7%
Equity Index	846,188	1,005,894	-15.9%	48,310,909	40,503,356	19.3%	7,682,501	7,939,613	-3.2%	482,905,067	372,810,123	29.5%
Metals	0	0	0.0%	12,921,925	10,536,547	22.6%	0	0	0.0%	95,692,255	72,680,968	31.7%
Energy	0	0	0.0%	42,227,529	47,432,335	-11.0%	0	0	0.0%	348,224,082	326,893,640	6.5%
FX	1,247	4,018	-69.0%	17,468,906	17,068,083	2.3%	20,423	94,781	-78.5%	149,022,444	126,024,802	18.2%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange	0	0	0.0%	832	2,994	-72.2%	0	0	0.0%	14,282	7,476	91.0%
Ag Products	1,437,418	1,798,779	-20.1%	26,322,632	30,566,052	-13.9%	10,491,038	10,490,137	0.0%	221,156,409	190,621,339	16.0%
<b>GRAND TOTAL</b>	<b>17,743,514</b>	<b>14,865,376</b>	<b>19.4%</b>	<b>256,166,592</b>	<b>255,748,174</b>	<b>0.2%</b>	<b>180,909,394</b>	<b>169,525,710</b>	<b>6.7%</b>	<b>2,528,955,993</b>	<b>2,100,943,824</b>	<b>20.4%</b>

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