



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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	121,577	94,048	29.3%	26,685,646	26,846,713	-0.60%	1,179,109	1,147,564	2.7%	317,246,581	273,051,003	16.2%
10-YR SWAP RATE	0	0	0.0%	69,049	68,854	0.28%	0	0	0.0%	378,781	401,705	-5.7%
1-MONTH EURODOLLAR	0	0	0.0%	115	2,893	-96.02%	0	0	0.0%	31,342	45,264	-30.8%
2-YR NOTE	1,588	2,936	-45.9%	6,116,595	5,909,942	3.50%	28,003	15,645	79.0%	89,263,040	63,762,179	40.0%
2-YR SWAP RATE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
30-YR BOND	18,346	14,377	27.6%	5,821,135	5,345,135	8.91%	190,173	154,829	22.8%	63,691,139	53,154,700	19.8%
30-YR SWAP RATE	0	0	0.0%	0	702	-100.00%	0	0	0.0%	983	10,078	-90.2%
5-YR NOTE	36,636	14,870	146.4%	14,771,678	14,119,219	4.62%	304,439	196,965	54.6%	194,465,763	160,072,339	21.5%
5-YR SWAP RATE	0	0	0.0%	37,217	60,104	-38.08%	0	0	0.0%	216,687	413,129	-47.5%
7-YR SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EURODOLLARS	666,690	626,060	6.5%	53,600,016	53,616,859	-0.03%	7,260,793	5,541,844	31.0%	544,274,113	479,347,129	13.5%
FED FUND	0	0	0.0%	4,087,906	4,084,690	0.08%	0	30	-100.0%	44,959,850	38,942,973	15.5%
SOFR	0	-	-	84,706	-	-	0	-	-	355,837	-	-
Ultra 10-Year Note	0	0	0.0%	2,649,080	2,212,570	19.73%	0	8	-100.0%	32,576,605	19,589,232	66.3%
ULTRA T-BOND	0	0	0.0%	2,410,340	2,083,914	15.66%	230	15	1,433.3%	30,977,531	22,596,986	37.1%
<b>Interest Rate Options</b>												
10-YR NOTE	2,325,293	1,919,052	21.2%	8,753,844	10,086,666	-13.21%	19,613,220	20,099,855	-2.4%	92,642,449	75,780,310	22.3%
2-YR NOTE	159,800	163,365	-2.2%	388,827	223,999	73.58%	1,315,756	575,572	128.6%	3,512,664	922,690	280.7%
30-YR BOND	228,694	308,204	-25.8%	2,681,225	2,389,870	12.19%	2,791,449	2,369,090	17.8%	21,021,314	18,426,920	14.1%
5-YR NOTE	502,197	474,726	5.8%	2,034,605	1,960,849	3.76%	6,041,092	4,949,408	22.1%	22,696,260	17,470,715	29.9%
EURODOLLARS	6,536,104	7,137,812	-8.4%	3,894,226	3,705,799	5.08%	81,295,503	75,167,205	8.2%	39,624,707	35,905,953	10.4%
EURO MIDCURVE	7,595,804	8,480,060	-10.4%	4,327,475	7,194,571	-39.85%	79,876,961	76,748,925	4.1%	45,965,406	48,656,060	-5.5%
FED FUND	0	2,700	-100.0%	200	0	0.00%	1,750	14,398	-87.8%	15,963	1,407	1,034.5%
Ultra 10-Year Note	0	0	0.0%	0	0	0.00%	0	952	-100.0%	28	6,835	-99.6%
ULTRA T-BOND	5,457	943	478.7%	1,484	3,175	-53.26%	34,628	10,790	220.9%	20,517	15,781	30.0%
	250	-	-	1	-	-	250	-	-	1	-	-

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<b>Equity Index Futures</b>												
BITCOIN FUTURES	0	-	-	62,014	-		0	-	-	660,094	-	-
DJ US REAL ESTATE	0	0	0.0%	31,109	26,324	18.18%	0	0	0.0%	212,881	141,586	50.4%
E-mini (\$5) Dow	0	0	0.0%	3,518,233	2,665,716	31.98%	0	0	0.0%	41,321,239	25,082,238	64.7%
E-mini FTSE 100 (USD)	0	0	0.0%	918	266	245.11%	0	0	0.0%	12,405	386	3,113.7%
E-mini FTSE China 50	0	0	0.0%	657	1,449	-54.66%	0	0	0.0%	9,765	13,045	-25.1%
E-MINI MIDCAP	0	0	0.0%	461,324	411,458	12.12%	0	0	0.0%	3,309,757	3,258,413	1.6%
E-MINI NASDAQ 100	0	0	0.0%	9,373,956	6,729,943	39.29%	0	0	0.0%	79,275,454	50,599,860	56.7%
E-MINI RUSSELL 1000	0	0	0.0%	6,616	4,818	37.32%	0	0	0.0%	72,699	17,239	321.7%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	7,253	2,852	154.31%	0	0	0.0%	64,185	12,160	427.8%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	9,004	4,284	110.18%	0	0	0.0%	81,610	19,140	326.4%
E-MINI RUSSELL 2000	0	0	0.0%	3,384,285	2,822,378	19.91%	0	0	0.0%	24,834,167	3,404,441	629.5%
E-MINI S&P500	0	0	0.0%	33,174,768	33,269,343	-0.28%	0	0	0.0%	299,042,180	281,912,462	6.1%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	4,163	2,554	63.00%	0	0	0.0%	29,219	23,367	25.0%
FT-SE 100	0	0	0.0%	634	907	-30.10%	0	0	0.0%	11,255	4,731	137.9%
FTSE Emerging	0	0	0.0%	482	41	1,075.61%	0	0	0.0%	4,234	269	1,474.0%
IBOVESPA INDEX	0	0	0.0%	863	192	349.48%	0	0	0.0%	9,461	5,387	75.6%
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	18,228	-100.00%	0	0	0.0%	54,444	102,998	-47.1%
NIKKEI 225 (\$) STOCK	0	0	0.0%	263,979	274,544	-3.85%	0	0	0.0%	2,754,183	2,352,757	17.1%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	734,303	852,391	-13.85%	0	0	0.0%	7,663,236	8,049,488	-4.8%
S&P 500	79,508	135,054	-41.1%	3,251	3,236	0.46%	394,040	665,109	-40.8%	41,332	39,166	5.5%
S&P 500/GI	0	0	0.0%	20	85	-76.47%	0	0	0.0%	73	232	-68.5%
S&P 500/VALUE	0	0	0.0%	4,229	4,188	0.98%	0	0	0.0%	36,041	67,360	-46.5%
S&P 600 SMALLCAP EMINI	0	-	-	1	-		0	-	-	1	-	-
S&P CONSUMER DSCRTNRY S	0	0	0.0%	13,427	6,450	108.17%	0	0	0.0%	114,329	37,786	202.6%
S&P CONSUMER STAPLES SE	0	0	0.0%	29,800	32,441	-8.14%	0	0	0.0%	120,693	78,550	53.7%
S&P ENERGY SECTOR	0	0	0.0%	19,514	15,450	26.30%	0	0	0.0%	169,707	95,757	77.2%
S&P FINANCIAL SECTOR	0	0	0.0%	30,989	25,292	22.52%	0	0	0.0%	249,179	143,232	74.0%
S&P HEALTH CARE SECTOR	0	0	0.0%	22,253	15,505	43.52%	0	0	0.0%	115,259	83,994	37.2%
S&P INDUSTRIAL SECTOR	0	0	0.0%	16,955	9,453	79.36%	0	0	0.0%	109,996	42,253	160.3%
S&P MATERIALS SECTOR	0	0	0.0%	15,575	10,791	44.33%	0	0	0.0%	66,542	53,741	23.8%
S&P TECHNOLOGY SECTOR	0	0	0.0%	33,162	13,151	152.16%	0	0	0.0%	170,032	49,392	244.3%
S&P UTILITIES SECTOR	0	0	0.0%	39,858	33,802	17.92%	0	0	0.0%	202,066	136,501	48.0%
YEN DENOMINATED TOPIX	0	-	-	449	-		0	-	-	4,293	-	-

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<b>Equity Index Options</b>												
E-mini (\$5) Dow	0	0	0.0%	6,387	4,174	53.02%	0	0	0.0%	86,791	46,928	84.9%
E-MINI MIDCAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-MINI NASDAQ 100	0	0	0.0%	185,156	230,746	-19.76%	0	0	0.0%	2,113,153	2,047,454	3.2%
E-MINI RUSSELL 2000	0	0	0.0%	12,513	3,063	308.52%	0	0	0.0%	115,442	9,826	1,074.9%
E-MINI S&P500	0	0	0.0%	4,910,266	4,585,072	7.09%	14,660	1,935	657.6%	51,111,458	37,701,121	35.6%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	10,180	7,698	32.24%	0	0	0.0%	56,796	9,847	476.8%
EOM EMINI S&P	0	0	0.0%	2,091,261	2,073,790	0.84%	0	0	0.0%	22,696,360	17,956,089	26.4%
EOM S&P 500	153,142	218,798	-30.0%	0	0	0.00%	1,669,669	1,614,894	3.4%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	931	1,830	-49.13%	0	0	0.0%	17,498	2,479	605.8%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	780	1,222	-36.17%	0	0	0.0%	22,968	2,211	938.8%
EOW1 EMINI S&P 500	0	0	0.0%	995,850	741,584	34.29%	0	0	0.0%	9,658,001	9,476,222	1.9%
EOW1 S&P 500	86,343	73,833	16.9%	0	0	0.00%	736,085	769,660	-4.4%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	3,240	1,704	90.14%	0	0	0.0%	43,935	2,400	1,730.6%
EOW2 EMINI S&P 500	0	0	0.0%	933,897	612,816	52.39%	0	0	0.0%	10,984,815	9,615,381	14.2%
EOW2 S&P 500	69,457	136,564	-49.1%	0	0	0.00%	1,343,698	1,461,130	-8.0%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	4,330	18,508	-76.60%	0	0	0.0%	174,204	23,152	652.4%
EOW3 EMINI S&P 500	0	0	0.0%	1,842,005	2,524,133	-27.02%	0	3,000	-100.0%	30,905,958	30,570,939	1.1%
EOW3 S&P 500	102,641	360,150	-71.5%	0	0	0.00%	2,549,332	3,174,627	-19.7%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	201	2,139	-90.60%	0	0	0.0%	46,018	3,092	1,388.3%
EOW4 EMINI S&P 500	0	0	0.0%	67,137	986,983	-93.20%	0	0	0.0%	9,563,674	8,560,142	11.7%
S&P 500	308,755	320,586	-3.7%	0	0	0.00%	2,724,357	2,862,171	-4.8%	0	0	0.0%

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<b>Metals Futures</b>												
ALUMINUM	0	0	0.0%	968	668	44.91%	0	0	0.0%	6,991	6,655	5.0%
COMEX COPPER	0	0	0.0%	2,332,430	2,282,240	2.20%	0	0	0.0%	25,884,869	19,052,976	35.9%
COMEX E-Mini GOLD	0	0	0.0%	11,095	9,049	22.61%	0	0	0.0%	71,053	75,000	-5.3%
COMEX E-Mini SILVER	0	0	0.0%	795	419	89.74%	0	0	0.0%	10,571	7,613	38.9%
COMEX GOLD	0	0	0.0%	5,317,356	6,981,728	-23.84%	0	0	0.0%	61,128,014	50,526,278	21.0%
COMEX MINY COPPER	0	0	0.0%	260	401	-35.16%	0	0	0.0%	4,181	6,554	-36.2%
COMEX SILVER	0	0	0.0%	1,611,917	1,696,173	-4.97%	0	0	0.0%	18,071,189	16,881,039	7.1%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
E-MICRO GOLD	0	0	0.0%	166,039	126,540	31.21%	0	0	0.0%	1,236,878	839,889	47.3%
FERROUS PRODUCTS	0	0	0.0%	86	50	72.00%	0	0	0.0%	362	85	325.9%
GOLD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	1	-100.0%
Gold Kilo	0	0	0.0%	0	294	-100.00%	0	0	0.0%	136	3,123	-95.6%
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%	6	127	-95.28%	0	0	0.0%	141	2,590	-94.6%
LNDN ZINC	0	0	0.0%	1,677	10	16,670.00%	0	0	0.0%	5,943	95	6,155.8%
METALS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYMEX HOT ROLLED STEEL	0	0	0.0%	2,079	786	164.50%	0	0	0.0%	27,899	2,748	915.2%
NYMEX PLATINUM	0	0	0.0%	558,935	508,939	9.82%	0	0	0.0%	4,094,262	3,443,206	18.9%
PALLADIUM	0	0	0.0%	85,540	76,656	11.59%	0	0	0.0%	1,048,787	1,033,277	1.5%
SILVER	0	0	0.0%	7,226	5,614	28.71%	0	0	0.0%	67,848	53,419	27.0%
URANIUM	0	0	0.0%	288	0	0.00%	0	0	0.0%	593	427	38.9%

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<b>Metals Options</b>												
COMEX COPPER	0	0	0.0%	29,910	17,787	68.16%	0	0	0.0%	171,016	54,129	215.9%
COMEX GOLD	0	0	0.0%	545,202	819,893	-33.50%	0	0	0.0%	6,815,620	5,887,525	15.8%
COMEX SILVER	0	0	0.0%	114,527	119,402	-4.08%	0	0	0.0%	1,162,795	996,933	16.6%
COPPER	0	-	-	25	-	-	0	-	-	403	-	-
GOLD	0	0	0.0%	38,184	14,395	165.26%	0	0	0.0%	351,731	109,682	220.7%
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	-	-	6	-	-	0	-	-	27	-	-
NYMEX PLATINUM	0	0	0.0%	1,498	1,196	25.25%	0	0	0.0%	17,347	9,929	74.7%
PALLADIUM	0	0	0.0%	1,151	1,543	-25.41%	0	0	0.0%	13,820	10,391	33.0%
SILVER	0	0	0.0%	3,491	23	15,078.26%	0	0	0.0%	17,184	1,428	1,103.4%
<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 SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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%	1,525,993	1,592,290	-4.16%	0	0	0.0%	15,291,343	17,338,628	-11.8%
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	-	-	12,010	-		0	-	-	63,150	-	-
CHICAGO ETHANOL SWAP	0	0	0.0%	29	299	-90.30%	0	0	0.0%	1,930	2,236	-13.7%
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	7	-100.00%	0	0	0.0%	32	51	-37.3%
CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	89	407	-78.1%
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%	20,730,513	27,030,260	-23.31%	0	0	0.0%	227,520,577	232,153,364	-2.0%
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 SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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%	8,239	6,012	37.04%	0	0	0.0%	79,580	118,065	-32.6%
ETHANOL FWD	-	-	-	-	-		-	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 SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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%	670	901	-25.64%	0	0	0.0%	4,321	28,409	-84.8%
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 SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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%	3,276,986	3,350,745	-2.20%	0	0	0.0%	32,883,814	30,549,453	7.6%
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%	3,861	815	373.74%	0	0	0.0%	27,181	1,547	1,657.0%
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%	1,330	1,159	14.75%	0	0	0.0%	56,209	61,064	-8.0%
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 SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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) CALENDAR SWA	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%	188,472	137,908	36.67%	0	0	0.0%	1,810,102	1,108,365	63.3%
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%	375	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%	0	0	0.00%	0	0	0.0%	719	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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. EBOBARG NWE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%	7	4	75.00%	0	0	0.0%	36	25	44.0%
MINY NATURAL GAS	0	0	0.0%	24,447	17,406	40.45%	0	0	0.0%	227,566	218,745	4.0%
MINY RBOB GAS	0	0	0.0%	5	4	25.00%	0	0	0.0%	33	39	-15.4%
MINY WTI CRUDE OIL	0	0	0.0%	298,906	245,647	21.68%	0	0	0.0%	2,989,238	2,365,139	26.4%
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%	14	51	-72.55%	0	0	0.0%	184	282	-34.8%
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%	73,666	31,882	131.06%	0	0	0.0%	439,470	319,535	37.5%
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	4	-100.00%	0	0	0.0%	0	62	-100.0%
NATURAL GAS PHY	0	0	0.0%	9,438,851	8,199,047	15.12%	0	0	0.0%	77,419,265	74,691,591	3.7%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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 ENGLAND HUB PEAK DAI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%
NORTHEN NATURAL GAS DEM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHEN 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%	0	0	0.00%	0	0	0.0%	67	3	2,133.3%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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 A 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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 COMED 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%	3,707,112	3,872,264	-4.26%	0	0	0.0%	35,673,959	36,343,131	-1.8%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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 (PLATTS) CAL SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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>												
TCO NG INDEX SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%	0	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 SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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	-	-	0	-	-	0	-	-	2,900	-	-
BRENT CRUDE OIL 6 M CSO	0	-	-	0	-	-	0	-	-	0	-	-
BRENT OIL LAST DAY	0	0	0.0%	85,616	19,464	339.87%	0	0	0.0%	550,429	85,457	544.1%
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%	4,345	83,405	-94.79%	0	0	0.0%	125,235	266,593	-53.0%
CRUDE OIL APO	0	0	0.0%	0	8	-100.00%	0	0	0.0%	331	60	451.7%
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%	2,721,678	2,221,034	22.54%	0	0	0.0%	26,250,365	27,248,090	-3.7%
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%	3,656	3,214	13.75%	0	0	0.0%	46,540	43,251	7.6%
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%	243	2,100	-88.43%	0	0	0.0%	1,629	3,420	-52.4%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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%	1,467,911	1,256,428	16.83%	0	0	0.0%	11,071,844	10,593,402	4.5%
NATURAL GAS WINTER STRIP	0	-	-	0	-	-	0	-	-	0	-	-
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%	50	22	127.27%	0	0	0.0%	496	468	6.0%
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	8	-100.00%	0	0	0.0%	23	8	187.5%
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%	2,412	12,717	-81.03%	0	0	0.0%	31,187	62,334	-50.0%
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%	15	60	-75.00%	0	0	0.0%	996	60	1,560.0%
SHORT TERM NATURAL GAS	0	0	0.0%	35	178	-80.34%	0	0	0.0%	845	178	374.7%
SINGAPORE GASOIL CALEND	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%	1,104	8,072	-86.32%	0	0	0.0%	138,765	15,160	815.3%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	3,600	-100.00%	0	0	0.0%	15,050	4,000	276.3%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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	4	-75.00%	0	0	0.0%	53	37	43.2%
AD/JY CROSS RATES	0	0	0.0%	6,058	4,024	50.55%	0	0	0.0%	39,288	21,946	79.0%
AD/NE CROSS RATES	0	0	0.0%	34	39	-12.82%	0	0	0.0%	699	759	-7.9%
AUSTRALIAN DOLLAR	0	31	-100.0%	2,349,852	2,575,327	-8.76%	0	1,537	-100.0%	21,321,476	17,745,948	20.1%
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%	3,114	4,402	-29.26%	0	0	0.0%	28,091	25,244	11.3%
BP/SF CROSS RATES	0	0	0.0%	444	85	422.35%	0	0	0.0%	3,354	697	381.2%
BRAZIL REAL	0	0	0.0%	95,158	60,071	58.41%	0	0	0.0%	888,644	455,631	95.0%
BRITISH POUND	3	0	0.0%	2,955,386	3,395,872	-12.97%	10	248	-96.0%	24,504,277	22,476,384	9.0%
CANADIAN DOLLAR	0	0	0.0%	1,679,782	2,127,458	-21.04%	41	2,532	-98.4%	15,745,435	14,379,196	9.5%
CD/JY CROSS RATES	0	0	0.0%	0	2	-100.00%	0	0	0.0%	849	554	53.2%
CHINESE RENMINBI (CNH)	0	0	0.0%	21,260	2,688	690.92%	0	0	0.0%	59,394	13,768	331.4%
CZECK KORUNA (EC)	0	-	-	4	-	-	0	-	-	6	-	-
CZECK KORUNA (US)	0	-	-	0	-	-	0	-	-	15	-	-
EC/AD CROSS RATES	0	0	0.0%	5,747	2,870	100.24%	0	0	0.0%	18,616	21,541	-13.6%
EC/CD CROSS RATES	0	0	0.0%	5,933	7,695	-22.90%	0	0	0.0%	31,110	39,402	-21.0%
EC/NOK CROSS RATES	0	0	0.0%	772	521	48.18%	0	0	0.0%	3,757	1,286	192.1%
EC/SEK CROSS RATES	0	0	0.0%	1,656	2,343	-29.32%	0	0	0.0%	7,843	5,389	45.5%
EFX/BP CROSS RATES	0	0	0.0%	144,144	150,034	-3.93%	0	0	0.0%	751,416	647,590	16.0%
EFX/JY CROSS RATES	0	0	0.0%	108,953	101,177	7.69%	0	0	0.0%	739,218	590,175	25.3%
EFX/SF CROSS RATES	0	0	0.0%	49,778	46,929	6.07%	0	0	0.0%	267,526	310,186	-13.8%
E-MICRO AUD/USD	0	0	0.0%	121,585	98,832	23.02%	0	0	0.0%	967,888	781,142	23.9%
E-MICRO CAD/USD	0	0	0.0%	13,711	35,050	-60.88%	0	0	0.0%	159,410	186,093	-14.3%
E-MICRO CHF/USD	0	0	0.0%	1,995	1,038	92.20%	0	0	0.0%	13,293	8,574	55.0%
E-MICRO EUR/USD	0	0	0.0%	332,456	279,760	18.84%	0	0	0.0%	3,364,884	2,311,227	45.6%
E-MICRO GBP/USD	0	0	0.0%	46,347	61,737	-24.93%	0	0	0.0%	428,269	521,478	-17.9%
E-MICRO INR/USD	0	0	0.0%	5,862	2,863	104.75%	0	0	0.0%	40,852	23,269	75.6%
E-MICRO JPY/USD	0	0	0.0%	23,194	31,763	-26.98%	0	0	0.0%	275,559	359,438	-23.3%
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%	113,175	134,404	-15.79%	0	0	0.0%	940,863	863,666	8.9%
E-MINI JAPANESE YEN	0	0	0.0%	8,809	17,745	-50.36%	0	0	0.0%	117,022	287,171	-59.3%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>FX Futures</b>												
EURO FX	4	142	-97.2%	6,141,988	5,837,373	5.22%	538	2,601	-79.3%	52,908,910	41,344,010	28.0%
HUNGARIAN FORINT (EC)	0	-	-	0	-		0	-	-	0	-	-
HUNGARIAN FORINT (US)	0	-	-	0	-		0	-	-	0	-	-
INDIAN RUPEE	0	0	0.0%	89,647	57,411	56.15%	0	0	0.0%	785,215	304,489	157.9%
JAPANESE YEN	2	231	-99.1%	2,568,243	4,582,482	-43.96%	104	8,907	-98.8%	27,134,775	31,418,346	-13.6%
KOREAN WON	0	0	0.0%	320	38	742.11%	0	0	0.0%	2,093	175	1,096.0%
MEXICAN PESO	0	0	0.0%	1,485,043	1,494,833	-0.65%	0	5	-100.0%	12,653,298	9,315,233	35.8%
NEW ZEALND DOLLAR	0	0	0.0%	615,837	690,635	-10.83%	0	0	0.0%	5,766,533	4,599,691	25.4%
NKR/USD CROSS RATE	0	0	0.0%	9,475	2,851	232.34%	0	0	0.0%	42,553	16,742	154.2%
POLISH ZLOTY (EC)	0	0	0.0%	26	10	160.00%	0	0	0.0%	174	381	-54.3%
POLISH ZLOTY (US)	0	0	0.0%	69	75	-8.00%	0	0	0.0%	770	942	-18.3%
RMB USD	0	0	0.0%	0	46	-100.00%	0	0	0.0%	23	276	-91.7%
RUSSIAN RUBLE	0	0	0.0%	85,544	45,931	86.24%	0	0	0.0%	487,368	320,279	52.2%
S.AFRICAN RAND	0	0	0.0%	55,589	76,535	-27.37%	0	0	0.0%	424,583	413,354	2.7%
SF/JY CROSS RATES	0	0	0.0%	7	0	0.00%	0	0	0.0%	7	0	0.0%
SHEKEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	8,656	3,843	125.24%	0	0	0.0%	38,404	18,898	103.2%
SWISS FRANC	0	0	0.0%	695,845	769,279	-9.55%	0	0	0.0%	5,440,395	5,158,302	5.5%
TURKISH LIRA	0	0	0.0%	5	0	0.00%	0	0	0.0%	10	12	-16.7%
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

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<b>FX Options</b>												
AUD/USD PQO 2pm Fix	600	1,408	-57.4%	136,271	148,084	-7.98%	600	5,746	-89.6%	1,126,196	962,730	17.0%
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%	3	881	-99.66%	0	0	0.0%	275	2,646	-89.6%
CAD/USD PQO 2pm Fix	136	26	423.1%	157,790	244,734	-35.53%	2,101	4,121	-49.0%	1,445,247	1,205,895	19.8%
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	0	0.00%	0	0	0.0%	63	111	-43.2%
CHF/USD PQO 2pm Fix	0	0	0.0%	1,488	2,829	-47.40%	0	0	0.0%	26,047	22,314	16.7%
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%	3	7	-57.14%	0	0	0.0%	59	443	-86.7%
EUR/USD PQO 2pm Fix	1,350	3,564	-62.1%	559,671	874,685	-36.01%	12,947	24,505	-47.2%	6,801,368	5,426,501	25.3%
GBP/USD PQO 2pm Fix	56	2,054	-97.3%	292,478	355,095	-17.63%	632	4,688	-86.5%	2,261,706	1,720,859	31.4%
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	0	0.00%	0	0	0.0%	0	180	-100.0%
JPY/USD PQO 2pm Fix	395	2,638	-85.0%	178,122	362,722	-50.89%	4,438	33,173	-86.6%	2,283,605	2,292,365	-0.4%
MEXICAN PESO	1,200	21	5,614.3%	730	99	637.37%	5,288	770	586.8%	13,288	20,470	-35.1%
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	15	-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%	493	2,904	-83.02%	0	0	0.0%	11,841	14,380	-17.7%

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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	-	-	1,252	-	-	0	-	-	7,928	-	-
<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	3,986	3,673	8.52%	0	0	0.0%	37,744	28,245	33.6%
CASH-SETTLED CHEESE	0	0	0.0%	8,490	9,515	-10.77%	0	0	0.0%	89,206	87,455	2.0%
CAT EURO SEASONAL STRIP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CATTLE	984	1,084	-9.2%	1,431,849	1,358,632	5.39%	11,865	32,141	-63.1%	12,432,759	12,379,565	0.4%
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	10,049	5,024	100.0%	2,056,784	1,875,927	9.64%	129,920	143,776	-9.6%	29,483,808	25,887,128	13.9%
CLASS IV MILK	0	0	0.0%	511	542	-5.72%	0	67	-100.0%	5,261	9,099	-42.2%
COCOA TAS	0	0	0.0%	0	2	-100.00%	0	0	0.0%	5	83	-94.0%
COFFEE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	40	-100.0%
CORN	18,705	24,678	-24.2%	5,403,997	4,414,574	22.41%	311,358	307,019	1.4%	73,945,803	66,975,572	10.4%
COTTON	0	0	0.0%	9	1	800.00%	0	0	0.0%	13	16	-18.8%
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%	87,065	186,314	-53.27%	0	0	0.0%	718,178	734,841	-2.3%
DRY WHEY	0	0	0.0%	1,517	1,232	23.13%	0	0	0.0%	11,679	16,169	-27.8%
FEEDER CATTLE	0	0	0.0%	293,434	319,319	-8.11%	17	455	-96.3%	2,739,267	2,687,611	1.9%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	29,492	31,886	-7.51%	0	0	0.0%	280,356	305,894	-8.3%
GSCI EXCESS RETURN FUT	0	0	0.0%	278	346	-19.65%	0	0	0.0%	616	1,048	-41.2%
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	1,550	2,153	-28.0%	1,239,627	1,112,382	11.44%	13,233	25,041	-47.2%	10,362,854	8,393,920	23.5%
HOUSING INDEX	0	0	0.0%	2	22	-90.91%	0	0	0.0%	67	122	-45.1%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	581	67	767.2%	721,736	617,140	16.95%	10,950	9,622	13.8%	12,004,219	9,381,932	28.0%
LUMBER	0	0	0.0%	14,116	15,795	-10.63%	0	0	0.0%	168,067	145,199	15.7%

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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	0	44	-100.0%	22,004	22,352	-1.56%	1,182	960	23.1%	204,949	243,177	-15.7%
MINI CORN	0	0	0.0%	7,914	5,318	48.82%	0	0	0.0%	91,835	88,878	3.3%
MINI SOYBEAN	0	0	0.0%	13,212	14,178	-6.81%	0	0	0.0%	203,476	143,642	41.7%
MINI WHEAT	0	0	0.0%	5,750	4,045	42.15%	0	0	0.0%	71,882	56,266	27.8%
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%	4,143	4,848	-14.54%	43	14	207.1%	46,006	44,100	4.3%
OATS	0	0	0.0%	8,011	7,175	11.65%	40	80	-50.0%	120,389	115,982	3.8%
PALM OIL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ROUGH RICE	18	0	0.0%	11,175	13,201	-15.35%	26	0	0.0%	162,055	191,159	-15.2%
SOYBEAN	12,375	19,599	-36.9%	2,992,068	3,454,240	-13.38%	138,128	135,905	1.6%	42,913,019	37,616,928	14.1%
SOYBEAN MEAL	2,654	1,159	129.0%	2,260,500	1,861,473	21.44%	33,991	20,377	66.8%	23,794,669	18,409,561	29.3%
SOYBEAN OIL	1,430	3,859	-62.9%	2,323,476	2,386,243	-2.63%	13,627	33,804	-59.7%	22,805,980	21,717,146	5.0%
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	2	-100.00%	0	0	0.0%	58	42	38.1%
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	119	-100.00%	0	0	0.0%	22	118,880	-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	0	0.0%	0	0	0.00%	0	103	-100.0%	0	0	0.0%
BUTTER CS	1,410	1,819	-22.5%	5,166	1,579	227.17%	10,314	9,791	5.3%	27,032	5,076	432.5%
CASH-SETTLED CHEESE	2,616	9,875	-73.5%	7,016	6,678	5.06%	22,282	39,876	-44.1%	66,096	32,064	106.1%
CATTLE	32,350	38,217	-15.4%	161,634	160,809	0.51%	247,149	459,100	-46.2%	1,910,644	1,729,680	10.5%
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	148,616	96,399	54.2%	552,264	338,507	63.15%	1,708,077	1,414,209	20.8%	5,883,033	4,709,405	24.9%
CLASS IV MILK	57	153	-62.7%	1,048	1,328	-21.08%	749	2,488	-69.9%	9,551	13,092	-27.0%
CORN	330,647	411,601	-19.7%	1,386,591	1,250,149	10.91%	5,342,405	5,585,111	-4.3%	15,755,955	14,102,540	11.7%
CORN NEARBY+2 CAL SPRD	5,350	50	10,600.0%	0	0	0.00%	22,268	13,758	61.9%	100	77	29.9%
DEC-DEC CORN CAL SPRD	1,604	2,621	-38.8%	0	28	-100.00%	15,742	11,786	33.6%	0	274	-100.0%
DEC-JULY CORN CAL SPRD	2,480	3,130	-20.8%	0	0	0.00%	15,924	32,748	-51.4%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2018	Open Outcry SEP 2017	% CHG	ELEC SEP 2018	ELEC SEP 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	1,550	699	121.7%	0	0	0.00%	1,694	924	83.3%	0	0	0.0%
DRY WHEY	6	267	-97.8%	842	51	1,550.98%	1,355	2,592	-47.7%	4,561	1,227	271.7%
FEEDER CATTLE	965	6,697	-85.6%	23,438	29,065	-19.36%	17,778	39,630	-55.1%	249,866	271,882	-8.1%
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	21,158	34,600	-38.8%	231,808	244,127	-5.05%	241,844	269,835	-10.4%	1,870,688	1,649,449	13.4%
HOUSING INDEX	0	0	0.0%	0	7	-100.00%	0	0	0.0%	0	42	-100.0%
Intercommodity Spread	560	0	0.0%	0	0	0.00%	9,819	701	1,300.7%	0	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	0	36	-100.0%	0	0	0.00%	0	36	-100.0%	0	0	0.0%
JULY-DEC CORN CAL SPRD	200	0	0.0%	0	0	0.00%	10,146	17,402	-41.7%	100	0	0.0%
JULY-DEC SOYMEAL CAL SPR	0	-	-	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	3,770	0	0.0%	15	0	0.00%	53,243	69,340	-23.2%	2,598	1,317	97.3%
KC WHEAT	33,470	6,821	390.7%	39,921	14,962	166.82%	317,627	139,980	126.9%	524,642	301,220	74.2%
LUMBER	5	2	150.0%	1,384	1,190	16.30%	216	42	414.3%	15,381	10,087	52.5%
LV CATL CSO	169	652	-74.1%	0	0	0.00%	282	1,919	-85.3%	0	0	0.0%
MAR-JULY CORN CAL SPRD	0	70	-100.0%	0	0	0.00%	0	70	-100.0%	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	3,552	7,484	-52.5%	33,284	22,682	46.74%	56,078	106,336	-47.3%	252,241	210,691	19.7%
MLK MID OPTIONS	12	25	-52.0%	0	0	0.00%	387	526	-26.4%	27	0	0.0%
NFD MILK	236	879	-73.2%	4,408	2,703	63.08%	7,804	12,696	-38.5%	37,043	23,577	57.1%
NOV-JULY SOYBEAN CAL SPR	0	550	-100.0%	0	0	0.00%	1	1,696	-99.9%	0	0	0.0%
NOV-MAR SOYBEAN CSO	0	-	-	0	-	-	130	-	-	0	-	-
NOV-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	118	121	-2.5%	0	0	0.0%
OATS	126	425	-70.4%	524	428	22.43%	1,056	5,201	-79.7%	2,987	6,170	-51.6%
ROUGH RICE	1,170	1,326	-11.8%	625	1,687	-62.95%	6,550	9,927	-34.0%	7,730	9,398	-17.7%
SEP-DEC SOYBEAN MEAL CSC	0	-	-	0	-	-	1,170	-	-	0	-	-
SOYBEAN	161,848	278,973	-42.0%	917,790	1,124,494	-18.38%	2,780,857	2,776,425	0.2%	12,460,660	10,584,822	17.7%
SOYBEAN CRUSH	0	75	-100.0%	0	0	0.00%	185	620	-70.2%	0	0	0.0%
SOYBEAN MEAL	58,893	39,874	47.7%	138,213	86,861	59.12%	947,087	497,941	90.2%	1,783,723	1,105,838	61.3%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Ag Products Options</b>												
SOYBEAN OIL	43,625	59,972	-27.3%	86,829	73,640	17.91%	322,100	738,026	-56.4%	709,458	841,629	-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	2,540	0	0.0%	0	0	0.00%	5,190	0	0.0%	0	0	0.0%
WHEAT	270	0	0.0%	7	0	0.00%	2,910	997	191.9%	310	427	-27.4%
WHEAT-CORN ICSCO	15	0	0.0%	0	0	0.00%	5,135	5,335	-3.7%	0	6	-100.0%
WHEAT NEARBY+2 CAL SPRD	160	1,900	-91.6%	140	100	40.00%	8,192	9,826	-16.6%	4,471	3,522	26.9%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	844,837	752,291	12.3%	116,333,483	114,351,595	1.7%	8,962,747	7,056,900	27.0%	1,318,438,252	1,111,386,717	18.6%
Equity Index Futures	79,508	135,054	-41.1%	51,264,044	47,257,532	8.5%	394,040	665,109	-40.8%	460,822,011	375,827,931	22.6%
Metals Futures	0	0	0.0%	10,096,697	11,689,694	-13.6%	0	0	0.0%	111,659,717	91,934,975	21.5%
Energy Futures	0	0	0.0%	39,291,111	44,486,705	-11.7%	0	0	0.0%	394,489,280	395,306,708	-0.2%
FX Futures	9	404	-97.8%	19,851,504	22,706,075	-12.6%	693	15,830	-95.6%	176,404,223	154,995,164	13.8%
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%	493	2,904	-83.0%	0	0	0.0%	11,841	14,380	-17.7%
Ag Products Futures	48,346	57,667	-16.2%	18,941,146	17,720,496	6.9%	664,380	709,261	-6.3%	232,694,297	205,779,825	13.1%
<b>TOTAL FUTURES</b>	<b>972,700</b>	<b>945,416</b>	<b>2.9%</b>	<b>255,778,478</b>	<b>258,215,001</b>	<b>-0.9%</b>	<b>10,021,860</b>	<b>8,447,100</b>	<b>18.6%</b>	<b>2,694,519,621</b>	<b>2,335,245,700</b>	<b>15.4%</b>
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	720,338	1,109,931	-35.1%	11,064,134	11,795,462	-6.2%	9,037,801	9,887,417	-8.6%	137,597,071	116,027,283	18.6%
Interest Rate Options	17,353,599	18,486,862	-6.1%	22,081,887	25,564,929	-13.6%	190,970,609	179,936,195	6.1%	225,499,309	197,186,671	14.4%
Metals Options	0	0	0.0%	733,994	974,239	-24.7%	0	0	0.0%	8,549,943	7,070,017	20.9%
Energy Options	0	0	0.0%	4,287,065	3,610,310	18.7%	0	0	0.0%	38,236,641	38,322,491	-0.2%
FX Options	3,737	9,711	-61.5%	1,326,556	1,989,136	-33.3%	26,006	97,970	-73.5%	13,957,854	14,337,692	-2.6%
Ag Products Options	859,430	1,005,192	-14.5%	3,592,947	3,361,075	6.9%	12,187,239	12,280,911	-0.8%	41,579,352	35,614,398	16.7%
Foreign Exchange Options	0	-	-	1,252	-	-	0	-	-	7,928	-	-
<b>TOTAL OPTIONS</b>	<b>18,937,104</b>	<b>20,611,696</b>	<b>-8.1%</b>	<b>43,087,835</b>	<b>47,295,151</b>	<b>-8.9%</b>	<b>212,221,655</b>	<b>202,202,493</b>	<b>5.0%</b>	<b>465,428,098</b>	<b>408,558,552</b>	<b>13.9%</b>

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>TOTAL COMBINED</b>												
Interest Rate	18,198,436	19,239,153	-5.4%	138,415,370	139,916,524	-1.1%	199,933,356	186,993,095	6.9%	1,543,937,561	1,308,573,388	18.0%
Equity Index	799,846	1,244,985	-35.8%	62,328,178	59,052,994	5.5%	9,431,841	10,552,526	-10.6%	598,419,082	491,855,214	21.7%
Metals	0	0	0.0%	10,830,691	12,663,933	-14.5%	0	0	0.0%	120,209,660	99,004,992	21.4%
Energy	0	0	0.0%	43,578,176	48,097,015	-9.4%	0	0	0.0%	432,725,921	433,629,199	-0.2%
FX	3,746	10,115	-63.0%	21,178,060	24,695,211	-14.2%	26,699	113,800	-76.5%	190,362,077	169,332,856	12.4%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange	0	0	0.0%	1,745	2,904	-39.9%	0	0	0.0%	19,769	14,380	37.5%
Ag Products	907,776	1,062,859	-14.6%	22,534,093	21,081,571	6.9%	12,851,619	12,990,172	-1.1%	274,273,649	241,394,223	13.6%
<b>GRAND TOTAL</b>	<b>19,909,804</b>	<b>21,557,112</b>	<b>-7.6%</b>	<b>298,866,313</b>	<b>305,510,152</b>	<b>-2.2%</b>	<b>222,243,515</b>	<b>210,649,593</b>	<b>5.5%</b>	<b>3,159,947,719</b>	<b>2,743,804,252</b>	<b>15.2%</b>

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