

## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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	125,267	144,752	-13.5%	42,886,170	37,849,501	13.31%	1,057,532	1,053,516	0.4%	290,560,935	246,204,290	18.0%
10-YR SWAP RATE	0	0	0.0%	15,237	27,562	-44.72%	0	0	0.0%	309,732	332,851	-6.9%
1-MONTH EURODOLLAR	0	0	0.0%	61	2,237	-97.27%	0	0	0.0%	31,227	42,371	-26.3%
2-YR NOTE	6,765	3,311	104.3%	13,688,044	10,594,072	29.20%	26,415	12,709	107.8%	83,146,445	57,852,237	43.7%
2-YR SWAP RATE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
30-YR BOND	29,213	12,667	130.6%	8,537,215	7,470,297	14.28%	171,827	140,452	22.3%	57,870,004	47,809,565	21.0%
30-YR SWAP RATE	0	0	0.0%	0	135	-100.00%	0	0	0.0%	983	9,376	-89.5%
5-YR NOTE	23,498	17,238	36.3%	28,895,666	23,502,994	22.94%	267,803	182,095	47.1%	179,694,085	145,953,120	23.1%
5-YR SWAP RATE	0	0	0.0%	11,432	23,500	-51.35%	0	0	0.0%	179,470	353,025	-49.2%
7-YR SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EURODOLLARS	632,038	468,913	34.8%	42,462,902	43,437,061	-2.24%	6,594,103	4,915,784	34.1%	490,674,097	425,730,270	15.3%
FED FUND	0	0	0.0%	3,648,428	3,082,568	18.36%	0	30	-100.0%	40,871,944	34,858,283	17.3%
SOFR	0	-	-	140,115	-	-	0	-	-	271,131	-	-
Ultra 10-Year Note	0	0	0.0%	4,660,336	3,270,155	42.51%	0	8	-100.0%	29,927,525	17,376,662	72.2%
ULTRA T-BOND	0	0	0.0%	5,386,635	4,127,603	30.50%	230	15	1,433.3%	28,567,191	20,513,072	39.3%
<b>Interest Rate Options</b>												
10-YR NOTE	2,142,687	2,835,525	-24.4%	10,481,444	9,599,554	9.19%	17,287,927	18,180,803	-4.9%	83,888,605	65,693,644	27.7%
2-YR NOTE	175,410	226,230	-22.5%	468,405	264,597	77.03%	1,155,956	412,207	180.4%	3,123,837	698,691	347.1%
30-YR BOND	423,397	287,009	47.5%	2,575,895	2,350,952	9.57%	2,562,755	2,060,886	24.4%	18,340,089	16,037,050	14.4%
5-YR NOTE	817,109	565,565	44.5%	2,353,927	1,904,723	23.58%	5,538,895	4,474,682	23.8%	20,661,655	15,509,866	33.2%
EURODOLLARS	7,766,761	4,694,990	65.4%	3,459,250	2,508,419	37.91%	74,759,399	68,029,393	9.9%	35,730,481	32,200,154	11.0%
EURO MIDCURVE	6,875,279	7,492,609	-8.2%	3,907,213	6,734,332	-41.98%	72,281,157	68,268,865	5.9%	41,637,931	41,461,489	0.4%
FED FUND	0	3,300	-100.0%	495	0	0.00%	1,750	11,698	-85.0%	15,763	1,407	1,020.3%
Ultra 10-Year Note	0	0	0.0%	0	0	0.00%	0	952	-100.0%	28	6,835	-99.6%
ULTRA T-BOND	2,064	654	215.6%	1,867	1,126	65.81%	29,171	9,847	196.2%	19,033	12,606	51.0%

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<b>Equity Index Futures</b>												
BITCOIN FUTURES	0	-	-	126,908	-		0	-	-	598,080	-	-
DJ US REAL ESTATE	0	0	0.0%	19,585	9,346	109.55%	0	0	0.0%	181,772	115,262	57.7%
E-mini (\$5) Dow	0	0	0.0%	2,987,875	2,838,540	5.26%	0	0	0.0%	37,803,006	22,416,522	68.6%
E-mini FTSE 100 (USD)	0	0	0.0%	682	35	1,848.57%	0	0	0.0%	11,487	120	9,472.5%
E-mini FTSE China 50	0	0	0.0%	924	1,751	-47.23%	0	0	0.0%	9,108	11,596	-21.5%
E-MINI MIDCAP	0	0	0.0%	224,851	299,975	-25.04%	0	0	0.0%	2,848,433	2,846,955	0.1%
E-MINI NASDAQ 100	0	0	0.0%	7,565,326	7,415,712	2.02%	0	0	0.0%	69,901,498	43,869,917	59.3%
E-MINI RUSSELL 1000	0	0	0.0%	5,505	3,412	61.34%	0	0	0.0%	66,083	12,421	432.0%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	4,845	2,473	95.92%	0	0	0.0%	56,932	9,308	511.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	7,936	2,154	268.43%	0	0	0.0%	72,606	14,856	388.7%
E-MINI RUSSELL 2000	0	0	0.0%	2,178,598	447,415	386.93%	0	0	0.0%	21,449,882	582,063	3,585.1%
E-MINI S&P500	0	0	0.0%	24,909,223	32,504,379	-23.37%	0	0	0.0%	265,867,412	248,643,119	6.9%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,157	1,263	70.78%	0	0	0.0%	25,056	20,813	20.4%
FT-SE 100	0	0	0.0%	1,480	1,145	29.26%	0	0	0.0%	10,621	3,824	177.7%
FTSE Emerging	0	0	0.0%	1,708	43	3,872.09%	0	0	0.0%	3,752	228	1,545.6%
IBOVESPA INDEX	0	0	0.0%	1,500	1,027	46.06%	0	0	0.0%	8,598	5,195	65.5%
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	15,995	-100.00%	0	0	0.0%	54,444	84,770	-35.8%
NIKKEI 225 (\$) STOCK	0	0	0.0%	172,247	218,230	-21.07%	0	0	0.0%	2,490,204	2,078,213	19.8%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	628,732	828,791	-24.14%	0	0	0.0%	6,928,933	7,197,097	-3.7%
S&P 500	10,010	25,750	-61.1%	1,217	4,247	-71.34%	314,532	530,055	-40.7%	38,081	35,930	6.0%
S&P 500/GI	0	0	0.0%	1	3	-66.67%	0	0	0.0%	53	147	-63.9%
S&P 500/VALUE	0	0	0.0%	4,190	5,843	-28.29%	0	0	0.0%	31,812	63,172	-49.6%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	8,420	3,138	168.32%	0	0	0.0%	100,902	31,336	222.0%
S&P CONSUMER STAPLES SE	0	0	0.0%	8,342	2,177	283.19%	0	0	0.0%	90,893	46,109	97.1%
S&P ENERGY SECTOR	0	0	0.0%	20,116	8,918	125.57%	0	0	0.0%	150,193	80,307	87.0%
S&P FINANCIAL SECTOR	0	0	0.0%	21,920	16,619	31.90%	0	0	0.0%	218,190	117,940	85.0%
S&P HEALTH CARE SECTOR	0	0	0.0%	10,952	4,215	159.83%	0	0	0.0%	93,006	68,489	35.8%
S&P INDUSTRIAL SECTOR	0	0	0.0%	11,466	6,719	70.65%	0	0	0.0%	93,041	32,800	183.7%
S&P MATERIALS SECTOR	0	0	0.0%	5,380	3,220	67.08%	0	0	0.0%	50,967	42,950	18.7%
S&P TECHNOLOGY SECTOR	0	0	0.0%	11,250	3,546	217.26%	0	0	0.0%	136,870	36,241	277.7%
S&P UTILITIES SECTOR	0	0	0.0%	25,918	4,911	427.75%	0	0	0.0%	162,208	102,699	57.9%
YEN DENOMINATED TOPIX	0	-	-	798	-		0	-	-	3,844	-	-

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<b>Equity Index Options</b>												
E-mini (\$5) Dow	0	0	0.0%	7,989	6,729	18.72%	0	0	0.0%	80,404	42,754	88.1%
E-MINI MIDCAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-MINI NASDAQ 100	0	0	0.0%	206,220	360,616	-42.81%	0	0	0.0%	1,927,997	1,816,708	6.1%
E-MINI RUSSELL 2000	0	0	0.0%	14,637	4,906	198.35%	0	0	0.0%	102,929	6,763	1,421.9%
E-MINI S&P500	345	0	0.0%	5,812,924	5,705,797	1.88%	14,660	1,935	657.6%	46,201,192	33,116,049	39.5%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	6,480	1,818	256.44%	0	0	0.0%	46,616	2,149	2,069.2%
EOM EMINI S&P	0	0	0.0%	2,586,242	2,080,680	24.30%	0	0	0.0%	20,605,099	15,882,299	29.7%
EOM S&P 500	154,407	192,110	-19.6%	0	0	0.00%	1,516,527	1,396,096	8.6%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	752	366	105.46%	0	0	0.0%	16,567	649	2,452.7%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,119	317	253.00%	0	0	0.0%	22,188	989	2,143.5%
EOW1 EMINI S&P 500	0	0	0.0%	962,271	940,366	2.33%	0	0	0.0%	8,662,151	8,734,638	-0.8%
EOW1 S&P 500	77,862	91,082	-14.5%	0	0	0.00%	649,742	695,827	-6.6%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	2,758	458	502.18%	0	0	0.0%	40,695	696	5,747.0%
EOW2 EMINI S&P 500	0	0	0.0%	893,708	1,383,549	-35.40%	0	0	0.0%	10,050,918	9,002,565	11.6%
EOW2 S&P 500	185,644	197,130	-5.8%	0	0	0.00%	1,274,241	1,324,566	-3.8%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	13,308	3,577	272.04%	0	0	0.0%	169,874	4,644	3,557.9%
EOW3 EMINI S&P 500	0	3,000	-100.0%	2,712,429	3,572,196	-24.07%	0	3,000	-100.0%	29,063,953	28,046,806	3.6%
EOW3 S&P 500	234,745	375,215	-37.4%	0	0	0.00%	2,446,691	2,814,477	-13.1%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	3,088	452	583.19%	0	0	0.0%	45,817	953	4,707.7%
EOW4 EMINI S&P 500	0	0	0.0%	991,860	1,275,028	-22.21%	0	0	0.0%	9,496,537	7,573,159	25.4%
S&P 500	286,481	483,641	-40.8%	0	0	0.00%	2,415,602	2,541,585	-5.0%	0	0	0.0%

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<b>Metals Futures</b>												
ALUMINUM	0	0	0.0%	419	198	111.62%	0	0	0.0%	6,023	5,987	0.6%
COMEX COPPER	0	0	0.0%	3,377,601	2,918,785	15.72%	0	0	0.0%	23,552,439	16,770,736	40.4%
COMEX E-Mini GOLD	0	0	0.0%	7,762	6,863	13.10%	0	0	0.0%	59,958	65,951	-9.1%
COMEX E-Mini SILVER	0	0	0.0%	1,210	795	52.20%	0	0	0.0%	9,776	7,194	35.9%
COMEX GOLD	0	0	0.0%	6,082,485	6,585,348	-7.64%	0	0	0.0%	55,810,658	43,544,550	28.2%
COMEX MINY COPPER	0	0	0.0%	381	674	-43.47%	0	0	0.0%	3,921	6,153	-36.3%
COMEX SILVER	0	0	0.0%	2,303,039	2,551,022	-9.72%	0	0	0.0%	16,459,272	15,184,866	8.4%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
E-MICRO GOLD	0	0	0.0%	164,142	107,277	53.01%	0	0	0.0%	1,070,839	713,349	50.1%
FERROUS PRODUCTS	0	0	0.0%	165	0	0.00%	0	0	0.0%	276	35	688.6%
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	2,829	-95.2%
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%	18	365	-95.07%	0	0	0.0%	135	2,463	-94.5%
LNDN ZINC	0	0	0.0%	1,435	0	0.00%	0	0	0.0%	4,266	85	4,918.8%
METALS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYMEX HOT ROLLED STEEL	0	0	0.0%	2,910	60	4,750.00%	0	0	0.0%	25,820	1,962	1,216.0%
NYMEX PLATINUM	0	0	0.0%	404,093	380,656	6.16%	0	0	0.0%	3,535,327	2,934,267	20.5%
PALLADIUM	0	0	0.0%	168,470	155,850	8.10%	0	0	0.0%	963,247	956,621	0.7%
SILVER	0	0	0.0%	9,435	10,988	-14.13%	0	0	0.0%	60,622	47,805	26.8%
URANIUM	0	0	0.0%	174	0	0.00%	0	0	0.0%	305	427	-28.6%

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<b>Metals Options</b>												
COMEX COPPER	0	0	0.0%	19,743	10,432	89.25%	0	0	0.0%	141,106	36,342	288.3%
COMEX GOLD	0	0	0.0%	943,386	750,638	25.68%	0	0	0.0%	6,270,418	5,067,632	23.7%
COMEX SILVER	0	0	0.0%	139,306	158,741	-12.24%	0	0	0.0%	1,048,268	877,531	19.5%
COPPER	0	-	-	201	-		0	-	-	378	-	-
GOLD	0	0	0.0%	51,916	17,098	203.64%	0	0	0.0%	313,547	95,287	229.1%
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	-	-	10	-		0	-	-	21	-	-
NYMEX PLATINUM	0	0	0.0%	3,284	2,081	57.81%	0	0	0.0%	15,849	8,733	81.5%
PALLADIUM	0	0	0.0%	1,279	1,891	-32.36%	0	0	0.0%	12,669	8,848	43.2%
SILVER	0	0	0.0%	3,850	35	10,900.00%	0	0	0.0%	13,693	1,405	874.6%
<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 AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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%	1,191,765	2,116,426	-43.69%	0	0	0.0%	13,765,350	15,746,338	-12.6%
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	-	-	2,668	-		0	-	-	51,140	-	-
CHICAGO ETHANOL SWAP	0	0	0.0%	56	412	-86.41%	0	0	0.0%	1,901	1,937	-1.9%
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%	1	5	-80.00%	0	0	0.0%	32	44	-27.3%
CRUDE OIL	0	0	0.0%	0	202	-100.00%	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%	19,206,267	34,183,281	-43.81%	0	0	0.0%	206,790,064	205,123,104	0.8%
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 AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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%	8,237	9,114	-9.62%	0	0	0.0%	71,341	112,053	-36.3%
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 AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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%	334	3,887	-91.41%	0	0	0.0%	3,651	27,508	-86.7%
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 AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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%	3,376,550	4,532,482	-25.50%	0	0	0.0%	29,606,828	27,198,708	8.9%
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%	4,497	581	674.01%	0	0	0.0%	23,320	732	3,085.8%
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%	244	2	12,100.00%	0	0	0.0%	54,879	59,905	-8.4%
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 AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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%	158,535	136,031	16.54%	0	0	0.0%	1,621,630	970,457	67.1%
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%	375	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%	5	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 AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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	3	133.33%	0	0	0.0%	29	21	38.1%
MINY NATURAL GAS	0	0	0.0%	17,133	16,749	2.29%	0	0	0.0%	203,119	201,339	0.9%
MINY RBOB GAS	0	0	0.0%	5	4	25.00%	0	0	0.0%	28	35	-20.0%
MINY WTI CRUDE OIL	0	0	0.0%	310,323	304,306	1.98%	0	0	0.0%	2,690,332	2,119,492	26.9%
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%	34	61	-44.26%	0	0	0.0%	170	231	-26.4%
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%	23,549	32,178	-26.82%	0	0	0.0%	365,804	287,653	27.2%
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	0	0.00%	0	0	0.0%	0	58	-100.0%
NATURAL GAS PHY	0	0	0.0%	8,237,496	7,878,602	4.56%	0	0	0.0%	67,980,414	66,492,544	2.2%
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 AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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%	9	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 AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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 AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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%	4,633,674	5,397,658	-14.15%	0	0	0.0%	31,966,847	32,470,867	-1.6%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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 AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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 AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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%	57,868	28,940	99.96%	0	0	0.0%	464,813	65,993	604.3%
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%	13,630	56,904	-76.05%	0	0	0.0%	120,890	183,188	-34.0%
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%	2,479,684	2,772,720	-10.57%	0	0	0.0%	23,528,687	25,027,056	-6.0%
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%	2,957	4,919	-39.89%	0	0	0.0%	42,884	40,037	7.1%
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 ARGS 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%	245	325	-24.62%	0	0	0.0%	1,386	1,320	5.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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%	1,193,806	1,151,564	3.67%	0	0	0.0%	9,603,933	9,336,974	2.9%
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%	36	33	9.09%	0	0	0.0%	446	446	0.0%
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%	3	0	0.00%	0	0	0.0%	23	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%	1,600	9,287	-82.77%	0	0	0.0%	28,775	49,617	-42.0%
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%	356	0	0.00%	0	0	0.0%	981	0	0.0%
SHORT TERM NATURAL GAS	0	0	0.0%	64	0	0.00%	0	0	0.0%	810	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%	1,150	1,468	-21.66%	0	0	0.0%	137,661	7,088	1,842.2%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	500	400	25.00%	0	0	0.0%	15,050	400	3,662.5%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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%	9	4	125.00%	0	0	0.0%	52	33	57.6%
AD/JY CROSS RATES	0	0	0.0%	4,500	2,432	85.03%	0	0	0.0%	33,230	17,922	85.4%
AD/NE CROSS RATES	0	0	0.0%	120	101	18.81%	0	0	0.0%	665	720	-7.6%
AUSTRALIAN DOLLAR	0	0	0.0%	2,434,936	2,038,588	19.44%	0	1,506	-100.0%	18,971,624	15,170,621	25.1%
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%	3,125	2,908	7.46%	0	0	0.0%	24,977	20,842	19.8%
BP/SF CROSS RATES	0	0	0.0%	456	15	2,940.00%	0	0	0.0%	2,910	612	375.5%
BRAZIL REAL	0	0	0.0%	137,790	51,932	165.33%	0	0	0.0%	793,486	395,560	100.6%
BRITISH POUND	0	0	0.0%	2,313,682	2,120,911	9.09%	7	248	-97.2%	21,548,891	19,080,512	12.9%
CANADIAN DOLLAR	3	496	-99.4%	1,632,729	1,514,219	7.83%	41	2,532	-98.4%	14,065,653	12,251,738	14.8%
CD/JY CROSS RATES	0	0	0.0%	307	50	514.00%	0	0	0.0%	849	552	53.8%
CHINESE RENMINBI (CNH)	0	0	0.0%	20,530	1,404	1,362.25%	0	0	0.0%	38,134	11,080	244.2%
CZECK KORUNA (EC)	0	-	-	0	-		0	-	-	2	-	-
CZECK KORUNA (US)	0	-	-	0	-		0	-	-	15	-	-
EC/AD CROSS RATES	0	0	0.0%	1,573	1,008	56.05%	0	0	0.0%	12,869	18,671	-31.1%
EC/CD CROSS RATES	0	0	0.0%	1,067	3,186	-66.51%	0	0	0.0%	25,177	31,707	-20.6%
EC/NOK CROSS RATES	0	0	0.0%	498	321	55.14%	0	0	0.0%	2,985	765	290.2%
EC/SEK CROSS RATES	0	0	0.0%	333	446	-25.34%	0	0	0.0%	6,187	3,046	103.1%
EFX/BP CROSS RATES	0	0	0.0%	52,731	55,280	-4.61%	0	0	0.0%	607,272	497,556	22.1%
EFX/JY CROSS RATES	0	0	0.0%	62,352	72,748	-14.29%	0	0	0.0%	630,265	488,998	28.9%
EFX/SF CROSS RATES	0	0	0.0%	24,829	35,360	-29.78%	0	0	0.0%	217,748	263,257	-17.3%
E-MICRO AUD/USD	0	0	0.0%	149,459	105,362	41.85%	0	0	0.0%	846,303	682,310	24.0%
E-MICRO CAD/USD	0	0	0.0%	18,790	24,740	-24.05%	0	0	0.0%	145,699	151,043	-3.5%
E-MICRO CHF/USD	0	0	0.0%	1,712	1,023	67.35%	0	0	0.0%	11,298	7,536	49.9%
E-MICRO EUR/USD	0	0	0.0%	322,810	281,860	14.53%	0	0	0.0%	3,032,428	2,031,467	49.3%
E-MICRO GBP/USD	0	0	0.0%	36,069	36,635	-1.54%	0	0	0.0%	381,922	459,741	-16.9%
E-MICRO INR/USD	0	0	0.0%	6,170	2,197	180.84%	0	0	0.0%	34,990	20,406	71.5%
E-MICRO JPY/USD	0	0	0.0%	27,834	30,881	-9.87%	0	0	0.0%	252,365	327,675	-23.0%
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%	85,681	97,241	-11.89%	0	0	0.0%	827,688	729,262	13.5%
E-MINI JAPANESE YEN	0	0	0.0%	12,381	23,166	-46.56%	0	0	0.0%	108,213	269,426	-59.8%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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>												
EURO FX	82	193	-57.5%	5,979,689	4,666,145	28.15%	534	2,459	-78.3%	46,766,922	35,506,637	31.7%
HUNGARIAN FORINT (EC)	0	-	-	0	-		0	-	-	0	-	-
HUNGARIAN FORINT (US)	0	-	-	0	-		0	-	-	0	-	-
INDIAN RUPEE	0	0	0.0%	73,591	35,535	107.09%	0	0	0.0%	695,568	247,078	181.5%
JAPANESE YEN	0	882	-100.0%	2,508,142	3,385,170	-25.91%	102	8,676	-98.8%	24,566,532	26,835,864	-8.5%
KOREAN WON	0	0	0.0%	136	8	1,600.00%	0	0	0.0%	1,773	137	1,194.2%
MEXICAN PESO	0	0	0.0%	1,341,303	810,536	65.48%	0	5	-100.0%	11,168,255	7,820,400	42.8%
NEW ZEALND DOLLAR	0	0	0.0%	577,660	505,052	14.38%	0	0	0.0%	5,150,696	3,909,056	31.8%
NKR/USD CROSS RATE	0	0	0.0%	5,196	1,445	259.58%	0	0	0.0%	33,078	13,891	138.1%
POLISH ZLOTY (EC)	0	0	0.0%	64	18	255.56%	0	0	0.0%	148	371	-60.1%
POLISH ZLOTY (US)	0	0	0.0%	77	70	10.00%	0	0	0.0%	701	867	-19.1%
RMB USD	0	0	0.0%	5	28	-82.14%	0	0	0.0%	23	230	-90.0%
RUSSIAN RUBLE	0	0	0.0%	40,562	29,029	39.73%	0	0	0.0%	401,824	274,348	46.5%
S.AFRICAN RAND	0	0	0.0%	63,869	44,527	43.44%	0	0	0.0%	368,994	336,819	9.6%
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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	4,109	1,523	169.80%	0	0	0.0%	29,748	15,055	97.6%
SWISS FRANC	0	0	0.0%	627,750	685,928	-8.48%	0	0	0.0%	4,744,550	4,389,023	8.1%
TURKISH LIRA	0	0	0.0%	5	0	0.00%	0	0	0.0%	5	12	-58.3%
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	0	163	-100.0%	132,500	143,263	-7.51%	0	4,338	-100.0%	989,925	814,646	21.5%
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%	18	443	-95.94%	0	0	0.0%	272	1,765	-84.6%
CAD/USD PQO 2pm Fix	21	1,627	-98.7%	131,239	165,426	-20.67%	1,965	4,095	-52.0%	1,287,457	961,161	33.9%
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	13	-100.00%	0	0	0.0%	63	111	-43.2%
CHF/USD PQO 2pm Fix	0	0	0.0%	2,338	3,799	-38.46%	0	0	0.0%	24,559	19,485	26.0%
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%	20	90	-77.78%	0	0	0.0%	56	436	-87.2%
EUR/USD PQO 2pm Fix	2,146	2,150	-0.2%	771,758	1,063,210	-27.41%	11,597	20,941	-44.6%	6,241,697	4,551,816	37.1%
GBP/USD PQO 2pm Fix	0	164	-100.0%	300,996	230,638	30.51%	576	2,634	-78.1%	1,969,228	1,365,764	44.2%
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	78	3,229	-97.6%	247,509	336,693	-26.49%	4,043	30,535	-86.8%	2,105,483	1,929,643	9.1%
MEXICAN PESO	200	0	0.0%	564	235	140.00%	4,088	749	445.8%	12,558	20,371	-38.4%
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	1	-100.00%	0	0	0.0%	0	15	-100.0%

### Ags Futures

FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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### Foreign Exchange Futures

CHILEAN PESO	0	0	0.0%	1,960	4,000	-51.00%	0	0	0.0%	11,348	11,476	-1.1%
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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	-	-	1,782	-		0	-	-	6,676	-	-
<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	3,187	4,084	-21.96%	0	0	0.0%	33,758	24,572	37.4%
CASH-SETTLED CHEESE	0	0	0.0%	9,667	10,004	-3.37%	0	0	0.0%	80,716	77,940	3.6%
CAT EURO SEASONAL STRIP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CATTLE	1,267	719	76.2%	1,202,454	1,152,224	4.36%	10,881	31,057	-65.0%	11,000,910	11,020,933	-0.2%
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	15,691	15,267	2.8%	4,133,220	3,341,423	23.70%	119,871	138,752	-13.6%	27,427,024	24,011,201	14.2%
CLASS IV MILK	0	6	-100.0%	605	1,084	-44.19%	0	67	-100.0%	4,750	8,557	-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	30,661	31,278	-2.0%	8,242,340	8,962,629	-8.04%	292,653	282,341	3.7%	68,541,806	62,560,998	9.6%
COTTON	0	0	0.0%	2	0	0.00%	0	0	0.0%	4	15	-73.3%
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%	39,428	60,219	-34.53%	0	0	0.0%	631,113	548,527	15.1%
DRY WHEY	0	0	0.0%	1,238	1,209	2.40%	0	0	0.0%	10,162	14,937	-32.0%
FEEDER CATTLE	0	32	-100.0%	372,382	382,734	-2.70%	17	455	-96.3%	2,445,833	2,368,292	3.3%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	30,402	31,341	-3.00%	0	0	0.0%	250,864	274,008	-8.4%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	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	1,716	4,129	-58.4%	1,306,421	971,278	34.51%	11,683	22,888	-49.0%	9,123,227	7,281,538	25.3%
HOUSING INDEX	0	0	0.0%	8	18	-55.56%	0	0	0.0%	65	100	-35.0%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	2,176	665	227.2%	1,650,535	1,384,796	19.19%	10,369	9,555	8.5%	11,282,483	8,764,792	28.7%
LUMBER	0	0	0.0%	19,928	15,662	27.24%	0	0	0.0%	153,951	129,404	19.0%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Ag Products Futures</b>												
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	144	125	15.2%	27,685	30,844	-10.24%	1,182	916	29.0%	182,945	220,825	-17.2%
MINI CORN	0	0	0.0%	10,167	9,675	5.09%	0	0	0.0%	83,921	83,560	0.4%
MINI SOYBEAN	0	0	0.0%	16,998	10,695	58.93%	0	0	0.0%	190,264	129,464	47.0%
MINI WHEAT	0	0	0.0%	11,591	7,145	62.23%	0	0	0.0%	66,132	52,221	26.6%
MLK MID OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NFD MILK	0	14	-100.0%	4,720	5,553	-15.00%	43	14	207.1%	41,863	39,252	6.7%
OATS	0	0	0.0%	14,813	11,385	30.11%	40	80	-50.0%	112,378	108,807	3.3%
PALM OIL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ROUGH RICE	8	0	0.0%	26,718	28,692	-6.88%	8	0	0.0%	150,880	177,958	-15.2%
SOYBEAN	16,653	20,793	-19.9%	3,947,839	3,977,810	-0.75%	125,753	116,306	8.1%	39,920,951	34,162,688	16.9%
SOYBEAN MEAL	1,817	3,462	-47.5%	2,629,327	2,106,271	24.83%	31,337	19,218	63.1%	21,534,169	16,548,088	30.1%
SOYBEAN OIL	704	2,944	-76.1%	2,154,532	2,665,207	-19.16%	12,197	29,945	-59.3%	20,482,504	19,330,903	6.0%
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	3	-100.00%	0	0	0.0%	58	40	45.0%
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	8,220	-100.00%	0	0	0.0%	22	118,761	-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	595	754	-21.1%	2,862	1,420	101.55%	8,904	7,972	11.7%	21,866	3,497	525.3%
CASH-SETTLED CHEESE	1,270	3,098	-59.0%	8,029	3,487	130.26%	19,666	30,001	-34.4%	59,080	25,386	132.7%
CATTLE	21,022	40,253	-47.8%	133,480	183,859	-27.40%	214,799	420,883	-49.0%	1,749,010	1,568,871	11.5%
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	235,627	152,261	54.8%	807,118	535,937	50.60%	1,559,461	1,317,810	18.3%	5,330,769	4,370,898	22.0%
CLASS IV MILK	77	132	-41.7%	2,172	1,631	33.17%	692	2,335	-70.4%	8,503	11,764	-27.7%
CORN	591,120	620,537	-4.7%	1,753,517	1,746,404	0.41%	5,011,758	5,173,510	-3.1%	14,369,364	12,852,391	11.8%
CORN NEARBY+2 CAL SPRD	9,140	5,851	56.2%	0	0	0.00%	16,918	13,708	23.4%	100	77	29.9%
DEC-DEC CORN CAL SPRD	5,734	3,160	81.5%	0	2	-100.00%	14,138	9,165	54.3%	0	246	-100.0%
DEC-JULY CORN CAL SPRD	3,950	5,094	-22.5%	0	0	0.00%	13,444	29,618	-54.6%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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	34	225	-84.9%	0	0	0.00%	144	225	-36.0%	0	0	0.0%
DRY WHEY	127	2	6,250.0%	808	69	1,071.01%	1,349	2,325	-42.0%	3,719	1,176	216.2%
FEEDER CATTLE	2,344	5,242	-55.3%	27,701	35,941	-22.93%	16,813	32,933	-48.9%	226,428	242,817	-6.7%
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	36,826	41,991	-12.3%	348,127	276,536	25.89%	220,686	235,235	-6.2%	1,638,880	1,405,322	16.6%
HOUSING INDEX	0	0	0.0%	0	10	-100.00%	0	0	0.0%	0	35	-100.0%
Intercommodity Spread	480	0	0.0%	0	0	0.00%	9,259	701	1,220.8%	0	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	0	-	-	0	-	-	0	-	-	0	-	-
JULY-DEC CORN CAL SPRD	600	0	0.0%	0	0	0.00%	9,946	17,402	-42.8%	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	1,700	0	0.0%	250	0	0.00%	49,473	69,340	-28.7%	2,583	1,317	96.1%
KC WHEAT	54,117	14,005	286.4%	66,978	40,094	67.05%	284,157	133,159	113.4%	484,721	286,258	69.3%
LUMBER	4	5	-20.0%	1,209	1,015	19.11%	211	40	427.5%	13,997	8,897	57.3%
LV CATL CSO	0	0	0.0%	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	6,092	14,160	-57.0%	42,228	22,781	85.36%	52,526	98,852	-46.9%	218,957	188,009	16.5%
MLK MID OPTIONS	43	0	0.0%	26	0	0.00%	375	501	-25.1%	27	0	0.0%
NFD MILK	100	1,040	-90.4%	3,106	1,998	55.46%	7,568	11,817	-36.0%	32,635	20,874	56.3%
NOV-JULY SOYBEAN CAL SPR	0	520	-100.0%	0	0	0.00%	1	1,146	-99.9%	0	0	0.0%
NOV-MAR SOYBEAN CSO	0	-	-	0	-	-	130	-	-	0	-	-
NOV-NOV SOYBEAN CAL SPR	100	0	0.0%	0	0	0.00%	118	121	-2.5%	0	0	0.0%
OATS	244	869	-71.9%	544	945	-42.43%	930	4,776	-80.5%	2,463	5,742	-57.1%
ROUGH RICE	1,398	454	207.9%	935	675	38.52%	5,380	8,601	-37.4%	7,105	7,711	-7.9%
SEP-DEC SOYBEAN MEAL CSC	0	-	-	0	-	-	1,170	-	-	0	-	-
SOYBEAN	299,537	325,958	-8.1%	1,256,802	1,440,022	-12.72%	2,619,009	2,497,452	4.9%	11,542,870	9,460,328	22.0%
SOYBEAN CRUSH	0	35	-100.0%	0	0	0.00%	185	545	-66.1%	0	0	0.0%
SOYBEAN MEAL	77,651	48,935	58.7%	194,064	98,149	97.72%	888,194	458,067	93.9%	1,645,510	1,018,977	61.5%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2018	Open Outcry AUG 2017	% CHG	ELEC AUG 2018	ELEC AUG 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	30,414	69,591	-56.3%	76,449	119,858	-36.22%	278,475	678,054	-58.9%	622,629	767,989	-18.9%
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	0	0	0.0%	0	0	0.00%	2,650	0	0.0%	0	0	0.0%
WHEAT	535	0	0.0%	85	0	0.00%	2,640	997	164.8%	303	427	-29.0%
WHEAT-CORN ICSCO	340	70	385.7%	0	0	0.00%	5,120	5,335	-4.0%	0	6	-100.0%
WHEAT NEARBY+2 CAL SPRD	747	3,500	-78.7%	450	275	63.64%	8,032	7,926	1.3%	4,331	3,422	26.6%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	816,781	646,881	26.3%	150,332,241	133,387,685	12.7%	8,117,910	6,304,609	28.8%	1,202,104,769	997,035,122	20.6%
Equity Index Futures	10,010	25,750	-61.1%	38,970,052	44,655,242	-12.7%	314,532	530,055	-40.7%	409,557,967	328,570,399	24.6%
Metals Futures	0	0	0.0%	12,523,739	12,719,175	-1.5%	0	0	0.0%	101,563,020	80,245,281	26.6%
Energy Futures	0	0	0.0%	37,171,764	54,611,984	-31.9%	0	0	0.0%	355,198,169	350,820,003	1.2%
FX Futures	85	1,571	-94.6%	18,574,631	16,669,032	11.4%	684	15,426	-95.6%	156,552,719	132,289,089	18.3%
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%	1,960	4,000	-51.0%	0	0	0.0%	11,348	11,476	-1.1%
Ag Products Futures	70,837	79,434	-10.8%	25,856,207	25,180,205	2.7%	616,034	651,594	-5.5%	213,753,151	188,059,329	13.7%
<b>TOTAL FUTURES</b>	<b>897,713</b>	<b>753,636</b>	<b>19.1%</b>	<b>283,430,594</b>	<b>287,227,323</b>	<b>-1.3%</b>	<b>9,049,160</b>	<b>7,501,684</b>	<b>20.6%</b>	<b>2,438,741,143</b>	<b>2,077,030,699</b>	<b>17.4%</b>
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	939,484	1,342,178	-30.0%	14,215,785	15,336,855	-7.3%	8,317,463	8,777,486	-5.2%	126,532,937	104,231,821	21.4%
Interest Rate Options	18,202,707	16,105,882	13.0%	23,248,496	23,363,703	-0.5%	173,617,010	161,449,333	7.5%	203,417,422	171,621,742	18.5%
Metals Options	0	0	0.0%	1,162,975	940,916	23.6%	0	0	0.0%	7,815,949	6,095,778	28.2%
Energy Options	0	0	0.0%	3,751,899	4,026,560	-6.8%	0	0	0.0%	33,949,576	34,712,181	-2.2%
FX Options	2,445	7,333	-66.7%	1,586,942	1,943,811	-18.4%	22,269	88,259	-74.8%	12,631,298	12,348,556	2.3%
Ag Products Options	1,381,968	1,357,742	1.8%	4,726,940	4,511,108	4.8%	11,327,809	11,275,719	0.5%	37,986,405	32,253,323	17.8%
Foreign Exchange Options	0	-	-	1,782	-	-	0	-	-	6,676	-	-
<b>TOTAL OPTIONS</b>	<b>20,526,604</b>	<b>18,813,135</b>	<b>9.1%</b>	<b>48,694,819</b>	<b>50,122,953</b>	<b>-2.8%</b>	<b>193,284,551</b>	<b>181,590,797</b>	<b>6.4%</b>	<b>422,340,263</b>	<b>361,263,401</b>	<b>16.9%</b>

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>TOTAL COMBINED</b>												
Interest Rate	19,019,488	16,752,763	13.5%	173,580,737	156,751,388	10.7%	181,734,920	167,753,942	8.3%	1,405,522,191	1,168,656,864	20.3%
Equity Index	949,494	1,367,928	-30.6%	53,185,837	59,992,097	-11.3%	8,631,995	9,307,541	-7.3%	536,090,904	432,802,220	23.9%
Metals	0	0	0.0%	13,686,714	13,660,091	0.2%	0	0	0.0%	109,378,969	86,341,059	26.7%
Energy	0	0	0.0%	40,923,663	58,638,544	-30.2%	0	0	0.0%	389,147,745	385,532,184	0.9%
FX	2,530	8,904	-71.6%	20,161,573	18,612,843	8.3%	22,953	103,685	-77.9%	169,184,017	144,637,645	17.0%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange	0	0	0.0%	3,742	4,000	-6.5%	0	0	0.0%	18,024	11,476	57.1%
Ag Products	1,452,805	1,437,176	1.1%	30,583,147	29,691,313	3.0%	11,943,843	11,927,313	0.1%	251,739,556	220,312,652	14.3%
<b>GRAND TOTAL</b>	<b>21,424,317</b>	<b>19,566,771</b>	<b>9.5%</b>	<b>332,125,413</b>	<b>337,350,276</b>	<b>-1.5%</b>	<b>202,333,711</b>	<b>189,092,481</b>	<b>7.0%</b>	<b>2,861,081,406</b>	<b>2,438,294,100</b>	<b>17.3%</b>

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