



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Interest Rate Futures</b>												
10-YR NOTE	114,311	118,990	-3.9%	32,797,424	32,717,360	0.24%	322,990	393,707	-18.0%	103,131,522	114,162,142	-9.7%
10-YR SWAP RATE	0	0	0.0%	74,545	85,692	-13.01%	0	0	0.0%	123,425	166,159	-25.7%
15-YR SWAP RATE	0	-	-	0	-	-	0	-	-	0	-	-
1-MONTH EURODOLLAR	0	0	0.0%	50	5,552	-99.10%	0	0	0.0%	115	12,829	-99.1%
20-YR SWAP RATE	0	-	-	46	-	-	0	-	-	46	-	-
2-YR NOTE	4,838	1,169	313.9%	9,109,030	8,867,805	2.72%	7,524	9,607	-21.7%	36,665,579	34,407,638	6.6%
2-YR SWAP RATE	0	-	-	37,858	-	-	0	-	-	109,818	-	-
30-YR BOND	19,016	12,963	46.7%	6,521,096	6,249,318	4.35%	55,028	53,931	2.0%	21,015,428	23,142,651	-9.2%
30-YR SWAP RATE	0	0	0.0%	702	317	121.45%	0	0	0.0%	1,770	825	114.5%
3-YR SWAP RATE	0	-	-	18,376	-	-	0	-	-	29,991	-	-
4-YR SWAP RATE	0	-	-	7,807	-	-	0	-	-	12,640	-	-
5-YR NOTE	37,255	30,996	20.2%	18,792,050	19,199,682	-2.12%	86,760	97,893	-11.4%	67,789,952	70,619,826	-4.0%
5-YR SWAP RATE	0	0	0.0%	87,808	54,645	60.69%	0	0	0.0%	179,425	100,669	78.2%
7-YR SWAP RATE	0	-	-	7,348	-	-	0	-	-	12,891	-	-
EURODOLLARS	682,846	1,111,558	-38.6%	67,703,928	84,822,480	-20.18%	2,126,540	3,053,489	-30.4%	172,121,837	240,355,898	-28.4%
FED FUND	0	0	0.0%	6,239,594	6,068,412	2.82%	0	0	0.0%	16,607,670	17,117,869	-3.0%
SOFR	0	-	-	782,170	-	-	0	-	-	1,722,014	-	-
SONIA	0	-	-	168,036	-	-	0	-	-	460,866	-	-
Ultra 10-Year Note	0	0	0.0%	4,083,501	3,365,674	21.33%	0	0	0.0%	11,761,670	11,939,348	-1.5%
ULTRA T-BOND	34	60	-43.3%	2,816,676	2,613,833	7.76%	66	230	-71.3%	10,612,883	10,821,232	-1.9%
<b>Interest Rate Options</b>												
10-YR NOTE	2,350,789	1,995,675	17.8%	12,233,632	10,760,287	13.69%	6,451,967	7,012,613	-8.0%	31,439,812	35,284,714	-10.9%
2-YR NOTE	262,156	142,850	83.5%	493,357	301,370	63.70%	429,935	513,520	-16.3%	892,648	812,810	9.8%
30-YR BOND	364,892	241,955	50.8%	3,000,550	2,042,056	46.94%	936,853	928,734	0.9%	7,033,920	7,772,269	-9.5%
5-YR NOTE	922,763	593,671	55.4%	3,678,666	2,757,581	33.40%	2,346,729	2,145,603	9.4%	9,565,806	9,180,814	4.2%
EURODOLLARS	14,329,698	11,311,949	26.7%	7,759,714	4,921,042	57.68%	37,812,019	35,883,364	5.4%	19,050,274	17,711,450	7.6%
EURO MIDCURVE	7,320,311	11,135,124	-34.3%	5,924,411	5,706,771	3.81%	23,123,913	36,393,205	-36.5%	16,700,038	20,750,585	-19.5%
FED FUND	250	1,000	-75.0%	2	5,030	-99.96%	250	1,750	-85.7%	202	7,817	-97.4%
Ultra 10-Year Note	4,187	0	0.0%	5,327	3	177,466.67%	4,237	0	0.0%	5,328	28	18,928.6%
ULTRA T-BOND	4,305	2,643	62.9%	2,990	2,453	21.89%	37,223	7,162	419.7%	6,350	6,338	0.2%

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<b>Equity Index Futures</b>												
BITCOIN FUTURES	0	0	0.0%	75,167	54,072	39.01%	0	0	0.0%	266,514	113,017	135.8%
DJ US REAL ESTATE	0	0	0.0%	50,107	27,435	82.64%	0	0	0.0%	82,755	68,991	20.0%
E-mini (\$5) Dow	0	0	0.0%	4,916,930	6,931,807	-29.07%	0	0	0.0%	13,466,100	17,095,383	-21.2%
E-mini FTSE 100 (USD)	0	0	0.0%	0	2,505	-100.00%	0	0	0.0%	336	6,252	-94.6%
E-mini FTSE China 50	0	0	0.0%	52	964	-94.61%	0	0	0.0%	693	4,489	-84.6%
E-MINI MIDCAP	0	0	0.0%	504,307	531,351	-5.09%	0	0	0.0%	1,080,656	1,261,181	-14.3%
E-MINI NASDAQ 100	0	0	0.0%	10,745,074	12,170,109	-11.71%	0	0	0.0%	29,232,193	29,092,576	0.5%
E-MINI RUSSELL 1000	0	0	0.0%	4,022	10,604	-62.07%	0	0	0.0%	8,906	29,060	-69.4%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	4,279	10,669	-59.89%	0	0	0.0%	7,405	22,252	-66.7%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	11,914	9,637	23.63%	0	0	0.0%	23,888	26,992	-11.5%
E-MINI RUSSELL 2000	0	0	0.0%	4,009,970	3,710,853	8.06%	0	0	0.0%	8,837,934	8,864,263	-0.3%
E-MINI S&P500	0	0	0.0%	38,473,212	47,115,197	-18.34%	0	0	0.0%	97,589,494	118,217,816	-17.4%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	9,966	6,282	58.64%	0	0	0.0%	21,106	11,081	90.5%
FT-SE 100	0	0	0.0%	0	2,432	-100.00%	0	0	0.0%	372	4,788	-92.2%
FTSE Emerging	0	0	0.0%	1,926	90	2,040.00%	0	0	0.0%	6,796	487	1,295.5%
IBOVESPA INDEX	0	0	0.0%	508	605	-16.03%	0	0	0.0%	2,293	3,400	-32.6%
NASDAQ BIOTECH	0	0	0.0%	244	0	0.00%	0	0	0.0%	326	0	0.0%
NIFTY 50	0	0	0.0%	0	760	-100.00%	0	0	0.0%	0	54,444	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	290,565	530,369	-45.21%	0	0	0.0%	665,226	1,418,280	-53.1%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	842,475	1,282,949	-34.33%	228	0	0.0%	2,166,810	3,478,837	-37.7%
S&P 500	61,518	109,423	-43.8%	1,387	5,349	-74.07%	79,048	152,798	-48.3%	4,704	21,991	-78.6%
S&P 500/GI	0	0	0.0%	20	26	-23.08%	0	0	0.0%	20	26	-23.1%
S&P 500/VALUE	0	0	0.0%	11,036	2,266	387.03%	0	0	0.0%	29,696	9,719	205.5%
S&P 600 SMALLCAP EMINI	0	-	-	0	-	-	0	-	-	0	-	-
S&P CONSUMER DSCRTNRY S	0	0	0.0%	7,870	20,999	-62.52%	0	0	0.0%	27,074	39,276	-31.1%
S&P CONSUMER STAPLES SE	0	0	0.0%	18,164	25,481	-28.72%	0	0	0.0%	37,392	42,643	-12.3%
S&P ENERGY SECTOR	0	0	0.0%	21,876	26,073	-16.10%	0	0	0.0%	46,351	53,529	-13.4%
S&P FINANCIAL SECTOR	0	0	0.0%	16,600	51,623	-67.84%	0	0	0.0%	43,686	82,603	-47.1%
S&P HEALTH CARE SECTOR	0	0	0.0%	15,638	22,037	-29.04%	0	0	0.0%	37,371	39,115	-4.5%
S&P INDUSTRIAL SECTOR	0	0	0.0%	8,454	18,811	-55.06%	0	0	0.0%	28,672	32,297	-11.2%
S&P MATERIALS SECTOR	0	0	0.0%	9,264	10,768	-13.97%	0	0	0.0%	20,894	23,843	-12.4%
S&P TECHNOLOGY SECTOR	0	0	0.0%	12,036	31,992	-62.38%	0	0	0.0%	40,429	53,803	-24.9%
S&P UTILITIES SECTOR	0	0	0.0%	25,729	36,231	-28.99%	0	0	0.0%	60,418	64,184	-5.9%
YEN DENOMINATED TOPIX	0	0	0.0%	21,518	392	5,389.29%	0	0	0.0%	32,346	1,005	3,118.5%

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<b>Equity Index Options</b>												
E-mini (\$5) Dow	0	0	0.0%	5,190	14,157	-63.34%	0	0	0.0%	17,268	39,439	-56.2%
E-MINI NASDAQ 100	0	0	0.0%	185,126	232,997	-20.55%	0	0	0.0%	613,923	868,907	-29.3%
E-MINI RUSSELL 2000	0	0	0.0%	10,849	25,315	-57.14%	0	0	0.0%	32,074	58,719	-45.4%
E-MINI S&P500	0	315	-100.0%	4,922,171	7,064,137	-30.32%	0	4,955	-100.0%	13,477,404	22,683,798	-40.6%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	14,170	14,552	-2.63%	0	0	0.0%	20,338	26,346	-22.8%
EOM EMINI S&P	0	0	0.0%	1,988,523	3,239,347	-38.61%	0	0	0.0%	5,276,541	10,539,411	-49.9%
EOM S&P 500	142,364	133,286	6.8%	0	0	0.00%	379,013	909,089	-58.3%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	2,241	3,493	-35.84%	0	0	0.0%	3,202	8,538	-62.5%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,896	4,147	-54.28%	0	0	0.0%	3,178	11,138	-71.5%
EOW1 EMINI S&P 500	0	0	0.0%	597,072	1,004,842	-40.58%	0	0	0.0%	2,314,447	3,686,724	-37.2%
EOW1 S&P 500	22,840	24,572	-7.0%	0	0	0.00%	190,632	201,409	-5.4%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	4,283	7,543	-43.22%	0	0	0.0%	6,982	18,620	-62.5%
EOW2 EMINI S&P 500	0	0	0.0%	934,682	1,046,308	-10.67%	0	0	0.0%	2,790,176	4,853,007	-42.5%
EOW2 S&P 500	108,285	127,744	-15.2%	0	0	0.00%	432,519	505,758	-14.5%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	11,168	44,098	-74.67%	0	0	0.0%	23,324	88,277	-73.6%
EOW3 EMINI S&P 500	0	0	0.0%	1,983,287	3,298,651	-39.88%	0	0	0.0%	7,156,857	14,418,599	-50.4%
EOW3 S&P 500	54,355	143,096	-62.0%	0	0	0.00%	432,692	1,371,336	-68.4%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	5,153	16,540	-68.85%	0	0	0.0%	8,645	29,326	-70.5%
EOW4 EMINI S&P 500	0	0	0.0%	1,087,485	1,686,002	-35.50%	0	0	0.0%	3,020,004	4,658,495	-35.2%
S&P 500	276,585	427,092	-35.2%	0	0	0.00%	754,806	1,194,902	-36.8%	0	0	0.0%

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<b>Metals Futures</b>												
ALUMINUM	0	0	0.0%	544	1,217	-55.30%	0	0	0.0%	2,869	2,127	34.9%
COMEX COPPER	0	0	0.0%	1,736,955	2,482,431	-30.03%	0	0	0.0%	6,134,606	8,195,079	-25.1%
COMEX E-Mini GOLD	0	0	0.0%	8,207	6,801	20.67%	0	0	0.0%	19,532	21,557	-9.4%
COMEX E-Mini SILVER	0	0	0.0%	3,102	1,258	146.58%	0	0	0.0%	6,710	3,758	78.6%
COMEX GOLD	0	0	0.0%	6,511,882	7,727,280	-15.73%	0	0	0.0%	16,403,202	22,461,937	-27.0%
COMEX MINY COPPER	0	0	0.0%	534	402	32.84%	0	0	0.0%	1,673	1,868	-10.4%
COMEX SILVER	0	0	0.0%	1,371,573	1,790,191	-23.38%	0	0	0.0%	4,589,299	6,033,073	-23.9%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
E-MICRO GOLD	0	0	0.0%	244,516	117,149	108.72%	0	0	0.0%	618,701	385,747	60.4%
FERROUS PRODUCTS	0	0	0.0%	414	29	1,327.59%	0	0	0.0%	1,537	42	3,559.5%
GOLD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
Gold Kilo	0	0	0.0%	0	35	-100.00%	0	0	0.0%	0	76	-100.0%
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%	2	10	-80.00%	0	0	0.0%	28	16	75.0%
LNDN ZINC	0	0	0.0%	122	0	0.00%	0	0	0.0%	969	33	2,836.4%
NYMEX HOT ROLLED STEEL	0	0	0.0%	2,237	2,862	-21.84%	0	0	0.0%	9,982	9,277	7.6%
NYMEX PLATINUM	0	0	0.0%	613,179	549,655	11.56%	0	0	0.0%	1,326,943	1,321,400	0.4%
PALLADIUM	0	0	0.0%	109,662	97,268	12.74%	0	0	0.0%	356,681	348,341	2.4%
SILVER	0	0	0.0%	13,899	5,150	169.88%	0	0	0.0%	46,770	19,933	134.6%
URANIUM	0	0	0.0%	275	0	0.00%	0	0	0.0%	307	52	490.4%

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<b>Metals Options</b>												
COMEX COPPER	0	0	0.0%	39,371	12,146	224.15%	0	0	0.0%	118,694	45,044	163.5%
COMEX GOLD	0	0	0.0%	905,170	772,103	17.23%	0	0	0.0%	2,223,388	2,288,899	-2.9%
COMEX SILVER	0	0	0.0%	107,123	116,112	-7.74%	0	0	0.0%	318,828	360,642	-11.6%
COPPER	0	-	-	51	-	-	0	-	-	117	-	-
GOLD	0	0	0.0%	103,913	33,893	206.59%	0	0	0.0%	208,578	97,919	113.0%
HOT ROLLED COIL STEEL CAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	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%
NYMEX PLATINUM	0	0	0.0%	1,206	926	30.24%	0	0	0.0%	3,855	5,057	-23.8%
PALLADIUM	0	0	0.0%	821	1,894	-56.65%	0	0	0.0%	1,967	5,357	-63.3%
SILVER	0	0	0.0%	4,631	1,003	361.71%	0	0	0.0%	9,566	1,624	489.0%
<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	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
ANR OKLAHOMA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	30	-100.0%
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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%	1,839,053	1,765,269	4.18%	0	0	0.0%	4,923,654	4,763,762	3.4%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Energy Futures</b>												
CAISO SP15 EZGNHUB5 MW P	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CAISO SP15 EZGNHUB5 PEAK	-	0	0.0%	-	0	0.00%	-	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%
CHICAGO ETHANOL SWAP	0	0	0.0%	43	474	-90.93%	0	0	0.0%	464	760	-38.9%
CHICAGO ULSD (PLATTS) SWA	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	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 ONSHORE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CONWAY NATURAL GASOLINE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CONWAY NORMAL BUTANE (O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CONWAY PROPANE 5 DECIMA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	6	-100.0%
CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	89	-100.0%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	50	0	0.0%
CRUDE OIL PHY	0	0	0.0%	23,384,634	24,567,490	-4.81%	0	0	0.0%	71,147,376	78,776,616	-9.7%
CRUDE OIL SPRDS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	0.00%	-	0	0.0%	-	0	0.0%
DATED TO FRONTLINE BRENT	0	0	0.0%	0	0	0.00%	0	0	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	0.00%	-	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Energy Futures</b>												
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%
DUTCH TTF NATURAL GAS CA	0	0	0.0%	11,512	1,225	839.76%	0	0	0.0%	27,328	2,395	1,041.0%
DY EURO 3.5% FUEL OI RDA	-	0	0.0%	-	0	0.00%	-	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	-	-
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	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
ELEC WEST POWER PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ERCOT DAILY 5MW PEAK	-	0	0.0%	-	0	0.00%	-	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%	10,627	8,683	22.39%	0	0	0.0%	31,452	28,398	10.8%
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	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%
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 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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Energy Futures</b>												
EUROPEAN GASOIL (ICE)	0	0	0.0%	220	400	-45.00%	0	0	0.0%	428	934	-54.2%
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%
FLORIDA GAS ZONE3 BASIS S	-	0	0.0%	-	0	0.00%	-	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 CIF MED SWAP	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	-	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%
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	0.00%	-	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	0.00%	-	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%
GERMAN POWER BASELOAD	0	0	0.0%	4,944	501	886.83%	0	0	0.0%	5,937	1,872	217.1%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Energy Futures</b>												
GULF COAST JET FUEL CLNDF	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 A	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 PHY	0	0	0.0%	3,148,851	3,524,466	-10.66%	0	0	0.0%	9,143,123	11,458,942	-20.2%
HENRY HUB BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	1,831	-100.00%	0	0	0.0%	0	4,663	-100.0%
HENRY HUB INDEX SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HENRY HUB SWAP	0	0	0.0%	0	10,340	-100.00%	0	0	0.0%	122	13,792	-99.1%
HOUSTON SHIP CHANNEL BAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HTG OIL	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%
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	0.00%	-	0	0.0%	-	0	0.0%
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	0.00%	-	0	0.0%	-	0	0.0%
INDONESIAN COAL ICI4	0	0	0.0%	0	0	0.00%	0	0	0.0%	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 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	0.00%	-	0	0.0%	-	0	0.0%
JET FUEL CRG CIF NEW VS I	-	0	0.0%	-	0	0.00%	-	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%
JKM LNG Futures	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS)	-	0	0.0%	-	0	0.00%	-	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Energy Futures</b>												
LA JET FUEL VS NYM NO 2 H	-	0	0.0%	-	0	0.00%	-	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	0	0.0%
LOS ANGELES CARB GASOLIN	0	-	-	0	-		0	-	-	0	-	-
LTD NAT GAS	0	0	0.0%	149,068	167,073	-10.78%	0	0	0.0%	524,115	775,345	-32.4%
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%	480	0	0.0%
MARS BLEND 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%	616	0	0.00%	0	0	0.0%	814	258	215.5%
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%
MICHIGAN BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI GAS EUROBOB OXY NWE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOBARG NWE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOB(ARGUS) N	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINY HTG OIL	0	0	0.0%	4	3	33.33%	0	0	0.0%	10	10	0.0%
MINY NATURAL GAS	0	0	0.0%	20,240	19,917	1.62%	0	0	0.0%	85,328	115,105	-25.9%
MINY RBOB GAS	0	0	0.0%	9	2	350.00%	0	0	0.0%	21	9	133.3%
MINY WTI CRUDE OIL	0	0	0.0%	367,006	308,522	18.96%	0	0	0.0%	1,255,616	833,333	50.7%
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%	0	0	0.00%	0	0	0.0%	31	26	19.2%
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%	35,804	49,892	-28.24%	0	0	0.0%	125,069	221,367	-43.5%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Energy Futures</b>												
NATURAL GAS FIXED PRICE S	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NATURAL GAS INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NATURAL GAS PEN SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	0	0.0%	5,808,408	7,059,462	-17.72%	0	0	0.0%	21,746,267	28,915,630	-24.8%
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 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 W CNT MASS 5MW D	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL W CNTR M 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW ENGLAND HUB PEAK DAI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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 TEX/OK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHERN NATURAL GAS DEM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHERN NATURAL GAS VEN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHERN ILLINOIS OFF-PEA	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	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%	0	15	-100.0%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Energy Futures</b>												
NY HARBOR RESIDUAL FUEL	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%
NYISO A	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO A OFF-PEAK	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
NYISO G OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO J	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH O P	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO ZONE C 5MW D AH PK	-	0	0.0%	-	0	0.00%	-	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%
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 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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Energy Futures</b>												
PJM AECO DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM AECO DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM APS ZONE DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM APS ZONE DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM ATSI ELEC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	0.00%	-	0	0.0%	-	0	0.0%
PJM JCPL DA PEAK	-	0	0.0%	-	0	0.00%	-	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	-	-
PJM PPL DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM PPL DA PEAK	-	0	0.0%	-	0	0.00%	-	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 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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Energy Futures</b>												
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	0	0.0%
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	0.00%	-	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%	4,729,851	3,765,422	25.61%	0	0	0.0%	11,897,826	11,413,197	4.2%
RBOB SPREAD (PLATTS) SWA	0	0	0.0%	0	0	0.00%	0	0	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%
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	1	-100.00%	0	0	0.0%	0	1	-100.0%
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	1	-100.00%	0	0	0.0%	0	1	-100.0%
SINGAPORE NAPHTHA SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	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	0.00%	-	0	0.0%	-	0	0.0%
SONAT BASIS SWAP FUTURE	-	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	0.00%	-	0	0.0%	-	0	0.0%
TC2 ROTTERDAM TO USAC 37	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 MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Energy Futures</b>												
TC5 RAS TANURA TO YOKOHA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TCO BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TCO NG INDEX SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TD3 MEG TO JAPAN 250K MT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TENNESSEE 500 LEG BASIS S	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TENNESSEE 800 LEG NG BASI	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	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	0.00%	-	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	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
UCM FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UK NBP NAT GAS CAL MTH FU	0	0	0.0%	894	5,150	-82.64%	0	0	0.0%	2,774	9,715	-71.4%
ULSD 10PPM CIF MED SWAP	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	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%
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	0.00%	-	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%	0	0	0.0%
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 MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Energy Options</b>												
12 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%	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 CRUDE OIL 12 M CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CRUDE OIL 1 M CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CRUDE OIL 6 M CSO	0	-	-	0	-	-	0	-	-	0	-	-
BRENT OIL LAST DAY	0	0	0.0%	76,696	49,197	55.90%	0	0	0.0%	186,654	107,680	73.3%
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	0	-	-	0	-	-	0	-	-	0	-	-
CRUDE OIL 1MO	0	0	0.0%	7,454	10,400	-28.33%	0	0	0.0%	12,254	44,885	-72.7%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	3	46	-93.5%
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%	1,791,438	2,770,010	-35.33%	0	0	0.0%	5,646,086	9,288,479	-39.2%
ELEC MISO PEAK	-	0	0.0%	-	0	0.00%	-	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%
EUROPEAN JET KEROSENE N	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GASOLINE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HEATING OIL CRACK OPTIONS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HEATING OIL CRK SPD AVG P	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HEATING OIL PHY	0	0	0.0%	4,073	4,151	-1.88%	0	0	0.0%	11,911	21,288	-44.0%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5	-100.0%
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0	0.00%	0	0	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	0.00%	-	0	0.0%	-	0	0.0%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,870	1	286,900.0%
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%	0	1	-100.0%
NATURAL GAS 5 M CSO FIN	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 MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Energy Options</b>												
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%	528,308	712,298	-25.83%	0	0	0.0%	2,856,891	4,923,580	-42.0%
NATURAL GAS WINTER STRIP	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%	16	15	6.67%	0	0	0.0%	88	59	49.2%
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	0.00%	-	0	0.0%	-	0	0.0%
PANHANDLE PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5	-100.0%
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 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	0	0.0%
RBOB CRACK	0	-	-	0	-	-	0	-	-	0	-	-
RBOB PHY	0	0	0.0%	2,566	3,452	-25.67%	0	0	0.0%	7,927	16,424	-51.7%
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%	0	100	-100.00%	0	0	0.0%	0	300	-100.0%
SHORT TERM NATURAL GAS	0	0	0.0%	25	20	25.00%	0	0	0.0%	50	321	-84.4%
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	0.00%	-	0	0.0%	-	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	3,700	25,000	-85.20%	0	0	0.0%	19,230	110,721	-82.6%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	1,100	0	0.00%	0	0	0.0%	4,100	10,200	-59.8%
<b>FX Futures</b>												
AD/CD CROSS RATES	0	0	0.0%	17	0	0.00%	0	0	0.0%	52	18	188.9%
AD/JY CROSS RATES	0	0	0.0%	2,282	4,921	-53.63%	0	0	0.0%	7,145	13,249	-46.1%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>FX Futures</b>												
AD/NE CROSS RATES	0	0	0.0%	125	125	0.00%	0	0	0.0%	132	273	-51.6%
AUSTRALIAN DOLLAR	0	0	0.0%	2,268,426	2,566,193	-11.60%	0	0	0.0%	6,463,496	7,621,294	-15.2%
BDI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BP/JY CROSS RATES	0	0	0.0%	2,892	3,909	-26.02%	0	0	0.0%	6,132	11,710	-47.6%
BP/SF CROSS RATES	0	0	0.0%	401	433	-7.39%	0	0	0.0%	1,153	892	29.3%
BRAZIL REAL	0	0	0.0%	124,695	82,746	50.70%	0	0	0.0%	299,923	257,760	16.4%
BRITISH POUND	0	0	0.0%	3,346,492	3,008,241	11.24%	0	4	-100.0%	7,866,501	8,662,335	-9.2%
CANADIAN DOLLAR	0	0	0.0%	1,859,130	2,091,943	-11.13%	3	32	-90.6%	4,625,023	5,407,532	-14.5%
CD/JY CROSS RATES	0	0	0.0%	16	102	-84.31%	0	0	0.0%	18	102	-82.4%
CHINESE RENMINBI (CNH)	0	0	0.0%	20,530	3,245	532.67%	0	0	0.0%	78,389	7,724	914.9%
CZECK KORUNA (EC)	0	-	-	4	-	-	0	-	-	10	-	-
CZECK KORUNA (US)	0	-	-	0	-	-	0	-	-	0	-	-
EC/AD CROSS RATES	0	0	0.0%	9,699	2,949	228.89%	0	0	0.0%	13,435	4,891	174.7%
EC/CD CROSS RATES	0	0	0.0%	7,152	7,311	-2.17%	0	0	0.0%	8,721	12,970	-32.8%
EC/NOK CROSS RATES	0	0	0.0%	979	427	129.27%	0	0	0.0%	1,290	925	39.5%
EC/SEK CROSS RATES	0	0	0.0%	1,258	1,838	-31.56%	0	0	0.0%	1,808	2,908	-37.8%
EFX/BP CROSS RATES	0	0	0.0%	156,788	121,933	28.59%	0	0	0.0%	293,846	248,977	18.0%
EFX/JY CROSS RATES	0	0	0.0%	138,984	107,566	29.21%	0	0	0.0%	209,267	255,007	-17.9%
EFX/SF CROSS RATES	0	0	0.0%	46,541	39,998	16.36%	0	0	0.0%	84,288	89,332	-5.6%
E-MICRO AUD/USD	0	0	0.0%	122,996	94,520	30.13%	0	0	0.0%	378,921	314,610	20.4%
E-MICRO CAD/USD	0	0	0.0%	17,822	21,558	-17.33%	0	0	0.0%	47,320	61,270	-22.8%
E-MICRO CHF/USD	0	0	0.0%	2,787	1,322	110.82%	0	0	0.0%	6,083	4,152	46.5%
E-MICRO EUR/USD	0	0	0.0%	254,721	374,764	-32.03%	0	0	0.0%	764,470	1,208,449	-36.7%
E-MICRO GBP/USD	0	0	0.0%	76,546	55,294	38.43%	0	0	0.0%	157,491	189,159	-16.7%
E-MICRO INR/USD	0	0	0.0%	4,411	3,888	13.45%	0	0	0.0%	15,745	9,650	63.2%
E-MICRO JPY/USD	0	0	0.0%	25,058	40,873	-38.69%	0	0	0.0%	88,646	106,746	-17.0%
E-MINI EURO FX	0	0	0.0%	124,814	99,485	25.46%	0	0	0.0%	280,268	332,656	-15.7%
E-MINI JAPANESE YEN	0	0	0.0%	11,339	12,374	-8.36%	0	0	0.0%	37,286	41,141	-9.4%
EURO FX	3	8	-62.5%	5,446,392	6,273,308	-13.18%	11	428	-97.4%	12,877,406	17,299,348	-25.6%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HUNGARIAN FORINT (US)	0	-	-	0	-	-	0	-	-	4	-	-
INDIAN RUPEE	0	0	0.0%	72,076	64,409	11.90%	0	0	0.0%	243,565	281,037	-13.3%
JAPANESE YEN	0	5	-100.0%	2,891,845	3,537,625	-18.25%	0	10	-100.0%	7,558,341	10,394,833	-27.3%
KOREAN WON	0	0	0.0%	318	157	102.55%	0	0	0.0%	691	1,038	-33.4%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>FX Futures</b>												
MEXICAN PESO	0	0	0.0%	1,812,278	1,622,355	11.71%	0	0	0.0%	4,055,730	4,003,073	1.3%
NEW ZEALND DOLLAR	0	0	0.0%	642,826	625,513	2.77%	0	0	0.0%	1,778,504	2,038,268	-12.7%
NKR/USD CROSS RATE	0	0	0.0%	5,897	5,266	11.98%	0	0	0.0%	9,575	10,203	-6.2%
POLISH ZLOTY (EC)	0	0	0.0%	160	10	1,500.00%	0	0	0.0%	223	44	406.8%
POLISH ZLOTY (US)	0	0	0.0%	114	125	-8.80%	0	0	0.0%	323	370	-12.7%
RMB USD	0	0	0.0%	0	1	-100.00%	0	0	0.0%	1	15	-93.3%
RUSSIAN RUBLE	0	0	0.0%	105,758	80,417	31.51%	0	0	0.0%	184,645	155,747	18.6%
S.AFRICAN RAND	0	0	0.0%	59,847	47,177	26.86%	0	0	0.0%	125,806	125,593	0.2%
SF/JY CROSS RATES	0	0	0.0%	0	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%	4,565	5,042	-9.46%	0	0	0.0%	8,086	8,962	-9.8%
SWISS FRANCO	0	0	0.0%	683,053	641,959	6.40%	0	0	0.0%	1,485,875	1,852,851	-19.8%
TURKISH LIRA	0	0	0.0%	8	0	0.00%	0	0	0.0%	8	0	0.0%
USDZAR	0	0	0.0%	0	1	-100.00%	0	0	0.0%	20	5	300.0%

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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	0	0.0%	102,499	116,789	-12.24%	0	0	0.0%	290,602	393,296	-26.1%
AUSTRALIAN DLR (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
AUSTRALIAN DOLLAR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRITISH POUND	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRITISH POUND (EU)	0	0	0.0%	0	7	-100.00%	0	0	0.0%	0	114	-100.0%
CAD/USD PQO 2pm Fix	27	692	-96.1%	113,276	159,588	-29.02%	241	1,592	-84.9%	307,809	511,642	-39.8%
CANADIAN DOLLAR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	0	1	-100.00%	0	0	0.0%	0	63	-100.0%
CHF/USD PQO 2pm Fix	0	0	0.0%	3,464	1,058	227.41%	0	0	0.0%	7,277	4,959	46.7%
EFX/BP CROSS RATES	0	-	-	19	-	-	0	-	-	74	-	-
EFX/JY CROSS RATES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO FX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EURO FX (EU)	0	0	0.0%	0	5	-100.00%	0	0	0.0%	0	21	-100.0%
EUR/USD PQO 2pm Fix	1,635	549	197.8%	566,282	697,822	-18.85%	3,873	4,006	-3.3%	1,561,802	2,633,768	-40.7%
GBP/USD PQO 2pm Fix	30	72	-58.3%	220,040	227,149	-3.13%	163	437	-62.7%	603,434	783,793	-23.0%
JAPANESE YEN	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JAPANESE YEN (EU)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JPY/USD PQO 2pm Fix	5	1,325	-99.6%	204,833	280,208	-26.90%	25	2,913	-99.1%	547,616	849,800	-35.6%
MEXICAN PESO	0	200	-100.0%	1,919	1,219	57.42%	900	900	0.0%	4,207	2,373	77.3%
NEW ZEALND DOLLAR	0	-	-	64	-	-	0	-	-	2,146	-	-
SWISS FRANC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SWISS FRANC (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
<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%	0	1,758	-100.00%	0	0	0.0%	0	6,912	-100.0%

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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	0	0.0%	1,436	333	331.23%	0	0	0.0%	2,808	1,506	86.5%
<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	3,472	3,209	8.20%	0	0	0.0%	11,240	15,267	-26.4%
CASH-SETTLED CHEESE	0	0	0.0%	11,762	6,578	78.81%	0	0	0.0%	38,964	28,753	35.5%
CATTLE	1,744	2,233	-21.9%	1,775,624	1,618,850	9.68%	4,198	4,620	-9.1%	4,568,441	4,184,631	9.2%
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	0	0.0%
CHI WHEAT	9,780	14,983	-34.7%	2,557,427	3,006,451	-14.94%	28,204	42,704	-34.0%	7,860,249	9,366,053	-16.1%
CLASS IV MILK	28	0	0.0%	1,894	458	313.54%	93	0	0.0%	7,241	1,890	283.1%
COCOA TAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COFFEE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CORN	23,751	36,337	-34.6%	7,738,171	8,491,226	-8.87%	61,218	65,969	-7.2%	23,375,828	25,119,980	-6.9%
COTTON	0	0	0.0%	0	0	0.00%	0	0	0.0%	3	2	50.0%
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%	97,776	133,340	-26.67%	0	0	0.0%	137,191	266,794	-48.6%
DRY WHEY	0	0	0.0%	1,040	682	52.49%	0	0	0.0%	4,423	3,840	15.2%
FEEDER CATTLE	9	2	350.0%	368,993	339,713	8.62%	9	7	28.6%	894,129	882,402	1.3%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	27,033	34,285	-21.15%	0	0	0.0%	89,965	93,948	-4.2%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	296	-100.00%	0	0	0.0%	0	296	-100.0%
HDD EURO SEASONAL STRIP	-	0	0.0%	-	0	0.00%	-	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	55	-100.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	2,882	1,664	73.2%	1,710,568	1,147,147	49.11%	5,221	4,844	7.8%	3,801,399	3,068,372	23.9%
HOUSING INDEX	0	0	0.0%	42	9	366.67%	0	0	0.0%	47	21	123.8%
Intercommodity Spread	0	-	-	0	-	-	0	-	-	0	-	-
KC WHEAT	1,182	1,838	-35.7%	1,092,090	1,326,192	-17.65%	3,725	4,028	-7.5%	3,660,649	4,431,410	-17.4%
LUMBER	0	0	0.0%	11,018	15,084	-26.96%	0	0	0.0%	39,936	51,375	-22.3%
MALAYSIAN PALM 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

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<b>Ag Products Futures</b>												
MILK	3	0	0.0%	23,080	17,409	32.58%	81	212	-61.8%	75,541	59,461	27.0%
MINI CORN	0	0	0.0%	7,860	11,946	-34.20%	0	0	0.0%	21,349	30,713	-30.5%
MINI SOYBEAN	0	0	0.0%	10,776	33,293	-67.63%	0	0	0.0%	49,042	92,963	-47.2%
MINI WHEAT	0	0	0.0%	5,265	7,279	-27.67%	0	0	0.0%	13,153	17,998	-26.9%
MLK MID OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NFD MILK	0	0	0.0%	6,607	5,600	17.98%	0	38	-100.0%	20,975	15,583	34.6%
OATS	0	0	0.0%	9,632	14,064	-31.51%	0	0	0.0%	36,036	43,311	-16.8%
ROUGH RICE	13	0	0.0%	13,692	8,163	67.73%	31	0	0.0%	49,934	43,525	14.7%
SOYBEAN	4,850	23,072	-79.0%	3,187,853	4,864,304	-34.46%	16,306	46,864	-65.2%	10,645,891	15,317,801	-30.5%
SOYBEAN MEAL	985	5,963	-83.5%	1,810,494	2,217,292	-18.35%	2,257	14,538	-84.5%	6,183,420	7,997,847	-22.7%
SOYBEAN OIL	495	1,789	-72.3%	1,967,199	2,138,777	-8.02%	1,248	4,458	-72.0%	6,721,919	7,652,459	-12.2%
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	0	0.00%	0	0	0.0%	0	0	0.0%
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%	2,511	0	0.00%	0	0	0.0%	3,543	22	16,004.5%
<b>Ag Products Options</b>												
AUG-NOV SOYBEAN CAL SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BUTTER CS	399	752	-46.9%	2,410	985	144.67%	2,929	2,673	9.6%	9,358	5,456	71.5%
CASH-SETTLED CHEESE	1,760	1,658	6.2%	6,907	3,361	105.50%	9,033	7,919	14.1%	25,290	21,317	18.6%
CATTLE	40,431	43,223	-6.5%	213,916	287,556	-25.61%	76,628	90,065	-14.9%	503,632	723,069	-30.3%
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	0.00%	-	0	0.0%	-	0	0.0%
CHI WHEAT	107,790	164,279	-34.4%	723,934	676,007	7.09%	327,349	566,890	-42.3%	1,903,169	1,836,884	3.6%
CLASS IV MILK	573	9	6,266.7%	3,345	280	1,094.64%	1,907	81	2,254.3%	11,722	2,725	330.2%
CORN	367,350	716,440	-48.7%	2,079,913	1,782,485	16.69%	979,620	1,558,056	-37.1%	4,752,565	4,040,903	17.6%
CORN NEARBY+2 CAL SPRD	1,570	2,848	-44.9%	1	0	0.00%	8,470	6,698	26.5%	1	0	0.0%
DEC-DEC CORN CAL SPRD	15	754	-98.0%	0	0	0.00%	573	1,076	-46.7%	0	0	0.0%
DEC-JULY CORN CAL SPRD	1,800	0	0.0%	0	0	0.00%	3,700	0	0.0%	0	0	0.0%
DEC-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DRY WHEY	22	139	-84.2%	1,000	215	365.12%	64	697	-90.8%	2,442	795	207.2%
FEEDER CATTLE	1,922	2,281	-15.7%	31,445	43,176	-27.17%	2,754	7,902	-65.1%	74,214	101,265	-26.7%

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<b>Ag Products Options</b>												
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	0.00%	-	0	0.0%	-	0	0.0%
HOGS	56,919	31,872	78.6%	488,806	191,607	155.11%	117,571	73,771	59.4%	911,859	480,192	89.9%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Intercommodity Spread	263	672	-60.9%	0	0	0.00%	580	6,450	-91.0%	0	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JULY-DEC CORN CAL SPRD	880	3,700	-76.2%	500	0	0.00%	4,485	4,019	11.6%	500	100	400.0%
JULY-DEC SOYMEAL CAL SPR	0	-	-	0	-	-	0	-	-	0	-	-
JULY-DEC SOY OIL CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JULY-DEC WHEAT CAL SPRD	0	220	-100.0%	0	5	-100.00%	1,300	465	179.6%	0	10	-100.0%
JULY-NOV SOYBEAN CAL SPR	740	19,099	-96.1%	2	345	-99.42%	3,551	35,387	-90.0%	190	580	-67.2%
KC WHEAT	22,252	52,146	-57.3%	86,967	68,420	27.11%	64,189	119,463	-46.3%	206,850	179,394	15.3%
LUMBER	60	0	0.0%	2,165	1,551	39.59%	70	131	-46.6%	5,505	5,492	0.2%
LV CATL CSO	30	5	500.0%	0	0	0.00%	409	10	3,990.0%	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%	0	200	-100.0%	30	0	0.0%
MILK	2,071	6,163	-66.4%	26,873	16,424	63.62%	7,030	16,502	-57.4%	99,853	60,505	65.0%
MLK MID OPTIONS	4	39	-89.7%	34	0	0.00%	8	123	-93.5%	98	0	0.0%
NFD MILK	65	1,497	-95.7%	5,216	4,549	14.66%	459	4,292	-89.3%	27,077	10,252	164.1%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	1	-100.0%	50	0	0.0%
NOV-MAR SOYBEAN CSO	0	-	-	0	-	-	0	-	-	0	-	-
NOV-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	114	9	1,166.7%	0	0	0.0%
OATS	51	234	-78.2%	256	462	-44.59%	1,551	460	237.2%	888	1,069	-16.9%
ROUGH RICE	1,406	343	309.9%	742	453	63.80%	4,494	1,396	221.9%	2,697	2,538	6.3%
SEP-DEC SOYBEAN MEAL CSC	0	-	-	0	-	-	0	-	-	0	-	-
SOYBEAN	132,178	320,203	-58.7%	771,942	1,476,714	-47.73%	402,649	892,537	-54.9%	2,511,387	4,104,406	-38.8%
SOYBEAN CRUSH	0	31	-100.0%	0	0	0.00%	0	72	-100.0%	0	0	0.0%
SOYBEAN MEAL	24,923	118,679	-79.0%	102,028	231,784	-55.98%	93,912	381,109	-75.4%	322,940	644,502	-49.9%
SOYBEAN OIL	14,267	42,308	-66.3%	76,950	97,673	-21.22%	51,610	117,553	-56.1%	273,513	278,330	-1.7%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SOYMEAL NEARBY+2 CAL SPR	0	-	-	0	-	-	450	-	-	0	-	-
WHEAT	1,706	100	1,606.0%	898	0	0.00%	1,706	410	316.1%	1,233	154	700.6%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Ag Products Options</b>												
WHEAT-CORN ICSCO	1,250	0	0.0%	0	0	0.00%	1,850	2,045	-9.5%	0	0	0.0%
WHEAT NEARBY+2 CAL SPRD	10	500	-98.0%	0	430	-100.00%	1,080	4,550	-76.3%	200	1,906	-89.5%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	858,300	1,275,736	-32.7%	149,248,045	164,050,770	-9.0%	2,598,908	3,608,857	-28.0%	442,359,542	522,847,086	-15.4%
Equity Index Futures	61,518	109,423	-43.8%	60,110,310	72,650,738	-17.3%	79,276	152,798	-48.1%	153,868,856	180,237,623	-14.6%
Metals Futures	0	0	0.0%	10,617,103	12,781,738	-16.9%	0	0	0.0%	29,519,809	38,804,316	-23.9%
Energy Futures	0	0	0.0%	39,511,784	41,256,124	-4.2%	0	0	0.0%	120,918,285	137,336,271	-12.0%
FX Futures	3	13	-76.9%	20,352,042	21,651,323	-6.0%	14	474	-97.0%	50,065,669	61,037,119	-18.0%
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%	0	1,758	-100.0%	0	0	0.0%	0	6,912	-100.0%
Ag Products Futures	45,722	87,881	-48.0%	22,441,879	25,441,647	-11.8%	122,591	188,282	-34.9%	68,310,508	78,786,772	-13.3%
<b>TOTAL FUTURES</b>	<b>965,543</b>	<b>1,473,053</b>	<b>-34.5%</b>	<b>302,281,163</b>	<b>337,834,098</b>	<b>-10.5%</b>	<b>2,800,789</b>	<b>3,950,411</b>	<b>-29.1%</b>	<b>865,042,669</b>	<b>1,019,056,099</b>	<b>-15.1%</b>
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	604,429	856,105	-29.4%	11,753,296	17,702,129	-33.6%	2,189,662	4,187,449	-47.7%	34,764,363	61,989,344	-43.9%
Interest Rate Options	25,559,351	25,424,867	0.5%	33,098,649	26,496,593	24.9%	71,143,126	82,885,951	-14.2%	84,694,378	91,526,825	-7.5%
Metals Options	0	0	0.0%	1,162,286	938,077	23.9%	0	0	0.0%	2,884,993	2,804,542	2.9%
Energy Options	0	0	0.0%	2,415,376	3,574,643	-32.4%	0	0	0.0%	8,748,064	14,523,995	-39.8%
FX Options	1,697	2,838	-40.2%	1,212,396	1,483,846	-18.3%	5,202	9,848	-47.2%	3,324,967	5,179,829	-35.8%
Ag Products Options	782,707	1,530,194	-48.8%	4,626,250	4,884,482	-5.3%	2,172,095	3,903,012	-44.3%	11,647,263	12,501,844	-6.8%
Foreign Exchange Options	0	0	0.0%	1,436	333	331.2%	0	0	0.0%	2,808	1,506	86.5%
<b>TOTAL OPTIONS</b>	<b>26,948,184</b>	<b>27,814,004</b>	<b>-3.1%</b>	<b>54,269,689</b>	<b>55,080,103</b>	<b>-1.5%</b>	<b>75,510,085</b>	<b>90,986,260</b>	<b>-17.0%</b>	<b>146,066,836</b>	<b>188,527,885</b>	<b>-22.5%</b>

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>TOTAL COMBINED</b>												
Interest Rate	26,417,651	26,700,603	-1.1%	182,346,694	190,547,363	-4.3%	73,742,034	86,494,808	-14.7%	527,053,920	614,373,911	-14.2%
Equity Index	665,947	965,528	-31.0%	71,863,606	90,352,867	-20.5%	2,268,938	4,340,247	-47.7%	188,633,219	242,226,967	-22.1%
Metals	0	0	0.0%	11,779,389	13,719,815	-14.1%	0	0	0.0%	32,404,802	41,608,858	-22.1%
Energy	0	0	0.0%	41,927,160	44,830,767	-6.5%	0	0	0.0%	129,666,349	151,860,266	-14.6%
FX	1,700	2,851	-40.4%	21,564,438	23,135,169	-6.8%	5,216	10,322	-49.5%	53,390,636	66,216,948	-19.4%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange	0	0	0.0%	1,436	2,091	-31.3%	0	0	0.0%	2,808	8,418	-66.6%
Ag Products	828,429	1,618,075	-48.8%	27,068,129	30,326,129	-10.7%	2,294,686	4,091,294	-43.9%	79,957,771	91,288,616	-12.4%
<b>GRAND TOTAL</b>	<b>27,913,727</b>	<b>29,287,057</b>	<b>-4.7%</b>	<b>356,550,852</b>	<b>392,914,201</b>	<b>-9.3%</b>	<b>78,310,874</b>	<b>94,936,671</b>	<b>-17.5%</b>	<b>1,011,109,505</b>	<b>1,207,583,984</b>	<b>-16.3%</b>

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