



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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	213,585	121,577	75.7%	32,835,378	26,685,646	23.05%	1,272,049	1,179,109	7.9%	333,696,310	317,246,581	5.2%
10-YR SWAP RATE	0	0	0.0%	55,482	69,049	-19.65%	0	0	0.0%	373,827	378,781	-1.3%
15-YR SWAP RATE	0	-	-	0	-	-	0	-	-	0	-	-
1-MONTH EURODOLLAR	0	0	0.0%	9	115	-92.17%	0	0	0.0%	404	31,342	-98.7%
20-YR SWAP RATE	0	-	-	0	-	-	0	-	-	46	-	-
2-YR NOTE	6,281	1,588	295.5%	10,203,428	6,116,595	66.82%	24,537	28,003	-12.4%	123,892,050	89,263,040	38.8%
2-YR SWAP RATE	0	-	-	48,377	-	-	0	-	-	418,545	-	-
30-YR BOND	34,896	18,346	90.2%	6,608,810	5,821,135	13.53%	179,328	190,173	-5.7%	65,406,471	63,691,139	2.7%
30-YR SWAP RATE	0	0	0.0%	333	0	0.00%	0	0	0.0%	5,839	983	494.0%
3-YR SWAP RATE	0	-	-	26,356	-	-	0	-	-	150,072	-	-
4-YR SWAP RATE	0	-	-	2,994	-	-	0	-	-	87,909	-	-
5-YR NOTE	66,300	36,636	81.0%	17,968,154	14,771,678	21.64%	407,623	304,439	33.9%	213,186,447	194,465,763	9.6%
5-YR SWAP RATE	0	0	0.0%	94,320	37,217	153.43%	0	0	0.0%	658,830	216,687	204.0%
7-YR SWAP RATE	0	-	-	1,203	-	-	0	-	-	33,855	-	-
EURODOLLARS	630,735	666,690	-5.4%	51,687,242	53,600,016	-3.57%	7,120,405	7,260,793	-1.9%	544,721,716	544,274,113	0.1%
FED FUND	0	0	0.0%	9,680,830	4,087,906	136.82%	0	0	0.0%	71,348,525	44,959,850	58.7%
SOFR	0	0	0.0%	1,016,098	84,706	1,099.56%	0	0	0.0%	5,992,910	355,837	1,584.2%
SONIA	0	-	-	165,858	-	-	0	-	-	1,618,270	-	-
Ultra 10-Year Note	0	0	0.0%	4,152,737	2,649,080	56.76%	0	0	0.0%	42,402,810	32,576,605	30.2%
ULTRA T-BOND	0	0	0.0%	2,571,947	2,410,340	6.70%	66	230	-71.3%	33,964,134	30,977,531	9.6%
<b>Interest Rate Options</b>												
10-YR NOTE	2,785,617	2,325,293	19.8%	12,236,161	8,753,844	39.78%	21,790,191	19,613,220	11.1%	100,487,894	92,642,449	8.5%
2-YR NOTE	197,292	159,800	23.5%	354,950	388,827	-8.71%	1,387,559	1,315,756	5.5%	3,231,849	3,512,664	-8.0%
30-YR BOND	452,957	228,694	98.1%	3,191,536	2,681,225	19.03%	2,936,576	2,791,449	5.2%	23,991,590	21,021,314	14.1%
5-YR NOTE	902,738	502,197	79.8%	3,397,372	2,034,605	66.98%	8,409,701	6,041,092	39.2%	33,017,290	22,696,260	45.5%
EURODOLLARS	12,757,966	6,536,104	95.2%	7,783,813	3,894,226	99.88%	128,288,388	81,295,503	57.8%	74,343,952	39,624,707	87.6%
EURO MIDCURVE	4,044,144	7,596,054	-46.8%	3,443,875	4,327,476	-20.42%	61,898,067	79,877,211	-22.5%	50,237,978	45,965,407	9.3%
FED FUND	32,285	0	0.0%	10,396	200	5,098.00%	52,085	1,750	2,876.3%	12,211	15,963	-23.5%
Ultra 10-Year Note	315	0	0.0%	0	0	0.00%	21,799	0	0.0%	5,328	28	18,928.6%
ULTRA T-BOND	46,147	5,457	745.6%	996	1,484	-32.88%	182,481	34,628	427.0%	14,000	20,517	-31.8%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.

## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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>Equity Index Futures</b>												
BITCOIN FUTURES	0	0	0.0%	101,454	62,014	63.60%	0	0	0.0%	1,295,335	660,094	96.2%
DJ US REAL ESTATE	0	0	0.0%	49,673	31,109	59.67%	0	0	0.0%	228,028	212,881	7.1%
E-mini (\$5) Dow	0	0	0.0%	3,859,353	3,518,233	9.70%	0	0	0.0%	40,099,305	41,321,239	-3.0%
E-MINI COM SERVICES SELEC	0	0	0.0%	4,633	156	2,869.87%	0	0	0.0%	24,730	156	15,752.6%
E-mini FTSE 100 (USD)	0	0	0.0%	0	918	-100.00%	0	0	0.0%	336	12,405	-97.3%
E-mini FTSE China 50	0	0	0.0%	0	657	-100.00%	0	0	0.0%	711	9,765	-92.7%
E-MINI MIDCAP	0	0	0.0%	422,925	461,324	-8.32%	0	0	0.0%	3,060,282	3,309,757	-7.5%
E-MINI NASDAQ 100	0	0	0.0%	9,521,636	9,373,956	1.58%	0	0	0.0%	90,348,006	79,275,454	14.0%
E-MINI RUSSELL 1000	0	0	0.0%	4,627	6,616	-30.06%	0	0	0.0%	31,626	72,699	-56.5%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	4,715	7,253	-34.99%	0	0	0.0%	32,575	64,185	-49.2%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	11,187	9,004	24.24%	0	0	0.0%	68,157	81,610	-16.5%
E-MINI RUSSELL 2000	0	0	0.0%	4,109,954	3,384,285	21.44%	0	0	0.0%	27,906,279	24,834,167	12.4%
E-MINI S&P500	0	0	0.0%	35,205,790	33,174,768	6.12%	0	0	0.0%	304,267,517	299,042,180	1.7%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	6,615	4,007	65.09%	0	0	0.0%	27,144	29,063	-6.6%
FT-SE 100	0	0	0.0%	0	634	-100.00%	0	0	0.0%	372	11,255	-96.7%
FTSE Emerging	0	0	0.0%	2,637	482	447.10%	0	0	0.0%	19,288	4,234	355.6%
IBOVESPA INDEX	0	0	0.0%	956	863	10.78%	0	0	0.0%	5,942	9,461	-37.2%
MICRO E-MINI NASDAQ 100	0	-	-	3,702,224	-	-	0	-	-	20,691,712	-	-
MICRO E-MINI RUSSELL 2000	0	-	-	633,799	-	-	0	-	-	3,201,233	-	-
MICRO E-MINI S&P500	0	-	-	5,328,816	-	-	0	-	-	28,793,695	-	-
MICRO MINI \$5 DOW	0	-	-	850,437	-	-	0	-	-	5,273,924	-	-
NASDAQ BIOTECH	0	0	0.0%	937	0	0.00%	0	0	0.0%	3,176	0	0.0%
NIFTY 50	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	54,444	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	257,971	263,979	-2.28%	0	0	0.0%	2,035,974	2,754,183	-26.1%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	871,392	734,303	18.67%	228	0	0.0%	7,403,051	7,663,236	-3.4%
S&P 500	49,102	79,508	-38.2%	2,264	3,251	-30.36%	215,538	394,040	-45.3%	14,565	41,332	-64.8%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	6,133	4,085	50.13%	0	0	0.0%	84,801	35,279	140.4%
S&P 500/GI	0	0	0.0%	20	20	0.00%	0	0	0.0%	60	73	-17.8%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	260	120	116.67%	0	0	0.0%	1,201	682	76.1%
S&P 600 SMALLCAP EMINI	0	0	0.0%	17	1	1,600.00%	0	0	0.0%	17	1	1,600.0%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	10,016	13,427	-25.40%	0	0	0.0%	63,320	114,329	-44.6%
S&P CONSUMER STAPLES SE	0	0	0.0%	20,341	29,800	-31.74%	0	0	0.0%	98,995	120,693	-18.0%
S&P ENERGY SECTOR	0	0	0.0%	20,733	19,514	6.25%	0	0	0.0%	106,817	169,707	-37.1%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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>Equity Index Futures</b>												
S&P FINANCIAL SECTOR	0	0	0.0%	32,235	30,989	4.02%	0	0	0.0%	168,893	249,179	-32.2%
S&P HEALTH CARE SECTOR	0	0	0.0%	19,369	22,253	-12.96%	0	0	0.0%	101,161	115,259	-12.2%
S&P INDUSTRIAL SECTOR	0	0	0.0%	15,234	16,955	-10.15%	0	0	0.0%	74,079	109,996	-32.7%
S&P MATERIALS SECTOR	0	0	0.0%	6,946	15,575	-55.40%	0	0	0.0%	52,389	66,542	-21.3%
S&P TECHNOLOGY SECTOR	0	0	0.0%	13,615	33,162	-58.94%	0	0	0.0%	89,846	170,032	-47.2%
S&P UTILITIES SECTOR	0	0	0.0%	27,262	39,858	-31.60%	0	0	0.0%	150,922	202,066	-25.3%
S&P VALUE INDEX FUTURES	0	0	0.0%	24	24	0.00%	0	0	0.0%	72	80	-10.0%
YEN DENOMINATED TOPIX	0	0	0.0%	18,655	449	4,054.79%	0	0	0.0%	169,769	4,293	3,854.6%
<b>Equity Index Options</b>												
E-mini (\$5) Dow	0	0	0.0%	6,204	6,387	-2.87%	0	0	0.0%	39,466	86,791	-54.5%
E-MINI NASDAQ 100	0	0	0.0%	183,264	185,156	-1.02%	0	0	0.0%	1,894,249	2,113,153	-10.4%
E-MINI RUSSELL 2000	0	0	0.0%	23,441	12,513	87.33%	0	0	0.0%	132,623	115,442	14.9%
E-MINI S&P500	200	0	0.0%	6,191,829	4,910,266	26.10%	600	14,660	-95.9%	49,042,465	51,111,458	-4.0%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	9,150	10,180	-10.12%	0	0	0.0%	81,175	56,796	42.9%
EOM EMINI S&P	0	0	0.0%	1,656,695	2,091,261	-20.78%	0	0	0.0%	17,690,898	22,696,360	-22.1%
EOM S&P 500	72,441	153,142	-52.7%	0	0	0.00%	1,091,477	1,669,669	-34.6%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,374	931	47.58%	0	0	0.0%	13,963	17,498	-20.2%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	2,582	780	231.03%	0	0	0.0%	18,013	22,968	-21.6%
EOW1 EMINI S&P 500	0	0	0.0%	1,020,536	995,850	2.48%	0	0	0.0%	8,915,392	9,658,001	-7.7%
EOW1 S&P 500	97,437	86,343	12.8%	0	0	0.00%	634,339	736,085	-13.8%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	7,069	3,240	118.18%	0	0	0.0%	46,764	43,935	6.4%
EOW2 EMINI S&P 500	0	0	0.0%	956,457	933,897	2.42%	0	0	0.0%	9,035,178	10,984,815	-17.7%
EOW2 S&P 500	157,872	69,457	127.3%	0	0	0.00%	1,137,568	1,343,698	-15.3%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	25,267	4,330	483.53%	0	0	0.0%	117,388	174,204	-32.6%
EOW3 EMINI S&P 500	0	0	0.0%	1,873,687	1,842,005	1.72%	0	0	0.0%	20,927,300	30,905,958	-32.3%
EOW3 S&P 500	58,476	102,641	-43.0%	0	0	0.00%	1,111,614	2,549,332	-56.4%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	4,619	201	2,198.01%	0	0	0.0%	30,071	46,018	-34.7%
EOW4 EMINI S&P 500	0	0	0.0%	938,427	67,137	1,297.78%	0	0	0.0%	7,806,465	9,563,674	-18.4%
S&P 500	282,369	308,755	-8.5%	0	0	0.00%	2,140,720	2,724,357	-21.4%	0	0	0.0%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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>Metals Futures</b>												
ALUMINUM	0	0	0.0%	3,642	968	276.24%	0	0	0.0%	11,772	6,991	68.4%
COMEX COPPER	0	0	0.0%	1,481,212	2,332,430	-36.49%	0	0	0.0%	18,407,104	25,884,869	-28.9%
COMEX E-Mini GOLD	0	0	0.0%	32,339	11,095	191.47%	0	0	0.0%	176,636	71,053	148.6%
COMEX E-Mini SILVER	0	0	0.0%	7,461	795	838.49%	0	0	0.0%	41,384	10,571	291.5%
COMEX GOLD	0	0	0.0%	8,363,966	5,317,356	57.30%	0	0	0.0%	62,171,859	61,128,014	1.7%
COMEX MINY COPPER	0	0	0.0%	743	260	185.77%	0	0	0.0%	6,088	4,181	45.6%
COMEX SILVER	0	0	0.0%	2,540,246	1,611,917	57.59%	0	0	0.0%	18,042,889	18,071,189	-0.2%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
E-MICRO GOLD	0	0	0.0%	722,659	166,039	335.23%	0	0	0.0%	3,689,881	1,236,878	198.3%
FERROUS PRODUCTS	0	0	0.0%	118	86	37.21%	0	0	0.0%	4,373	362	1,108.0%
GOLD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
Gold Kilo	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	136	-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%	0	6	-100.00%	0	0	0.0%	28	141	-80.1%
LNDN ZINC	0	0	0.0%	0	1,677	-100.00%	0	0	0.0%	1,230	5,943	-79.3%
NYMEX HOT ROLLED STEEL	0	0	0.0%	1,736	2,079	-16.50%	0	0	0.0%	29,437	27,899	5.5%
NYMEX PLATINUM	0	0	0.0%	715,666	558,935	28.04%	0	0	0.0%	4,311,232	4,094,262	5.3%
PALLADIUM	0	0	0.0%	76,820	85,540	-10.19%	0	0	0.0%	930,784	1,048,787	-11.3%
SILVER	0	0	0.0%	57,038	7,226	689.34%	0	0	0.0%	231,906	67,848	241.8%
URANIUM	0	0	0.0%	17	288	-94.10%	0	0	0.0%	412	593	-30.5%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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>Metals Options</b>												
COMEX COPPER	0	0	0.0%	42,089	29,910	40.72%	0	0	0.0%	388,128	171,016	127.0%
COMEX GOLD	0	0	0.0%	1,121,100	545,202	105.63%	0	0	0.0%	9,326,061	6,815,620	36.8%
COMEX SILVER	0	0	0.0%	302,574	114,527	164.19%	0	0	0.0%	1,529,435	1,162,795	31.5%
COPPER	0	0	0.0%	590	31	1,803.23%	0	0	0.0%	1,845	430	329.1%
GOLD	0	0	0.0%	179,218	38,184	369.35%	0	0	0.0%	1,120,090	351,731	218.5%
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%	1,154	1,498	-22.96%	0	0	0.0%	13,176	17,347	-24.0%
PALLADIUM	0	0	0.0%	423	1,151	-63.25%	0	0	0.0%	5,243	13,820	-62.1%
SILVER	0	0	0.0%	13,609	3,491	289.83%	0	0	0.0%	51,381	17,184	199.0%
<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%	2,381,344	1,525,993	56.05%	0	0	0.0%	19,359,847	15,291,343	26.6%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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%	0	29	-100.00%	0	0	0.0%	509	1,930	-73.6%
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%	15	0	0.00%	0	0	0.0%	144	32	350.0%
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%	26,357,471	20,730,513	27.14%	0	0	0.0%	225,492,607	227,520,577	-0.9%
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%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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%	11,641	6,557	77.54%	0	0	0.0%	80,342	14,144	468.0%
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%	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%	0	0	0.00%	0	0	0.0%	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%	2,770	8,239	-66.38%	0	0	0.0%	68,607	79,580	-13.8%
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%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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%	188	670	-71.94%	0	0	0.0%	1,004	4,321	-76.8%
EUROPEAN NAPHTHA BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPEAN NAPHTHA CRACK S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE DATED BRENT SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE JET KERO NWE CALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE NAPHTHA CALSWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO PROPANE CIF ARA SW	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	0	0.00%	0	0	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%	2,354	111	2,020.72%	0	0	0.0%	21,702	3,102	599.6%
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%	0	0	0.00%	0	0	0.0%	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%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.





## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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 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%	2	0	0.0%
GULF COAST ULSD CALEDA	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	-	-
HEATING OIL PHY	0	0	0.0%	3,630,118	3,276,986	10.78%	0	0	0.0%	28,531,122	32,883,814	-13.2%
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	3,861	-100.00%	0	0	0.0%	0	27,181	-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	1,330	-100.00%	0	0	0.0%	122	56,209	-99.8%
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	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%
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%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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 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	0.00%	-	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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LOS ANGELES CARB GASOLIN	0	-	-	0	-		0	-	-	0	-	-
LTD NAT GAS	0	0	0.0%	171,810	188,472	-8.84%	0	0	0.0%	1,405,540	1,810,102	-22.4%
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	375	28.0%
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%	506	0	0.00%	0	0	0.0%	4,997	719	595.0%
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%
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%	3	7	-57.14%	0	0	0.0%	29	36	-19.4%
MINY NATURAL GAS	0	0	0.0%	44,528	24,447	82.14%	0	0	0.0%	270,597	227,566	18.9%
MINY RBOB GAS	0	0	0.0%	4	5	-20.00%	0	0	0.0%	60	33	81.8%
MINY WTI CRUDE OIL	0	0	0.0%	606,380	298,906	102.87%	0	0	0.0%	4,345,418	2,989,238	45.4%
MJC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MNC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE 5 DEC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE OPIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	0	14	-100.00%	0	0	0.0%	112	184	-39.1%
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%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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	0	0	0.0%	57,120	73,666	-22.46%	0	0	0.0%	355,689	439,470	-19.1%
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%	9,599,264	9,438,851	1.70%	0	0	0.0%	70,824,480	77,419,265	-8.5%
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%
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	0.00%	-	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%	5	0	0.00%	0	0	0.0%	19	67	-71.6%
NY HARBOR LOW SULPUR GA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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 1	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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 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	0.00%	-	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%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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 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	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	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLNC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	3,869,679	3,707,112	4.39%	0	0	0.0%	36,719,254	35,673,959	2.9%
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%	0	0	0.00%	0	0	0.0%	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%	0	2	-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	0	0.00%	0	0	0.0%	0	2	-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%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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>												
TC2 ROTTERDAM TO USAC 37	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TC5 RAS TANURA TO YOKOHA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TCO BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TCO NG INDEX SWAP	-	0	0.0%	-	0	0.00%	-	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%	1,210	5,342	-77.35%	0	0	0.0%	5,679	45,904	-87.6%
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	6	-100.0%
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%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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%	1,800	2,900	-37.9%
BRENT CRUDE OIL 6 M CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	53,891	85,616	-37.05%	0	0	0.0%	567,256	550,429	3.1%
COAL API2 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL API4 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL	0	-	-	0	-		0	-	-	0	-	-
CRUDE OIL 1MO	0	0	0.0%	10,450	4,345	140.51%	0	0	0.0%	79,961	125,235	-36.2%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	3	331	-99.1%
CRUDE OIL CALNDR STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	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%	2,698,381	2,721,678	-0.86%	0	0	0.0%	21,809,601	26,250,365	-16.9%
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%
FREIGHT MARKETS	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%	6,131	3,656	67.70%	0	0	0.0%	40,066	46,540	-13.9%
HENRY HUB FINANCIAL LAST	0	0	0.0%	46	0	0.00%	0	0	0.0%	46	5	820.0%
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%	8,002	243	3,193.00%	0	0	0.0%	19,522	1,629	1,098.4%
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%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.





## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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 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%	1,371,015	1,467,911	-6.60%	0	0	0.0%	8,521,331	11,071,844	-23.0%
NATURAL GAS WINTER STRIP	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%
NY HARBOR HEAT OIL SWP	0	0	0.0%	19	50	-62.00%	0	0	0.0%	396	496	-20.2%
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%	21	23	-8.7%
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%	3,649	2,412	51.29%	0	0	0.0%	32,930	31,187	5.6%
ROTTERDAM 3.5%FUEL OIL CL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SHORT TERM	0	0	0.0%	0	15	-100.00%	0	0	0.0%	43	996	-95.7%
SHORT TERM NATURAL GAS	0	0	0.0%	0	35	-100.00%	0	0	0.0%	84	845	-90.1%
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%	1,100	1,104	-0.36%	0	0	0.0%	31,705	138,765	-77.2%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0.00%	0	0	0.0%	8,600	15,050	-42.9%
<b>FX Futures</b>												
AD/CD CROSS RATES	0	0	0.0%	16	1	1,500.00%	0	0	0.0%	133	53	150.9%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.

## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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/JY CROSS RATES	0	0	0.0%	1,798	6,058	-70.32%	0	0	0.0%	24,609	39,288	-37.4%
AD/NE CROSS RATES	0	0	0.0%	399	34	1,073.53%	0	0	0.0%	1,284	699	83.7%
AUSTRALIAN DOLLAR	0	0	0.0%	2,103,582	2,349,852	-10.48%	0	0	0.0%	18,997,885	21,321,476	-10.9%
BDI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BP/JY CROSS RATES	0	0	0.0%	5,915	3,114	89.95%	0	0	0.0%	28,449	28,091	1.3%
BP/SF CROSS RATES	0	0	0.0%	252	444	-43.24%	0	0	0.0%	3,714	3,354	10.7%
BRAZIL REAL	0	0	0.0%	135,291	95,158	42.18%	0	0	0.0%	1,143,892	888,644	28.7%
BRITISH POUND	3	3	0.0%	3,168,766	2,955,386	7.22%	3	10	-70.0%	22,056,640	24,504,277	-10.0%
CANADIAN DOLLAR	0	0	0.0%	1,930,683	1,679,782	14.94%	3	41	-92.7%	14,776,756	15,745,435	-6.2%
CD/JY CROSS RATES	0	0	0.0%	1	0	0.00%	0	0	0.0%	127	849	-85.0%
CHINESE RENMINBI (CNH)	0	0	0.0%	34,786	21,260	63.62%	0	0	0.0%	254,806	59,394	329.0%
CZECK KORUNA (EC)	0	0	0.0%	12	4	200.00%	0	0	0.0%	30	6	400.0%
CZECK KORUNA (US)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	15	-100.0%
EC/AD CROSS RATES	0	0	0.0%	6,888	5,747	19.85%	0	0	0.0%	42,652	18,616	129.1%
EC/CD CROSS RATES	0	0	0.0%	7,110	5,933	19.84%	0	0	0.0%	30,100	31,110	-3.2%
EC/NOK CROSS RATES	0	0	0.0%	384	772	-50.26%	0	0	0.0%	4,422	3,757	17.7%
EC/SEK CROSS RATES	0	0	0.0%	1,516	1,656	-8.45%	0	0	0.0%	6,305	7,843	-19.6%
EFX/BP CROSS RATES	0	0	0.0%	145,865	144,144	1.19%	0	0	0.0%	848,681	751,416	12.9%
EFX/JY CROSS RATES	0	0	0.0%	126,224	108,953	15.85%	0	0	0.0%	618,453	739,218	-16.3%
EFX/SF CROSS RATES	0	0	0.0%	60,131	49,778	20.80%	0	0	0.0%	320,581	267,526	19.8%
E-MICRO AUD/USD	0	0	0.0%	67,895	121,585	-44.16%	0	0	0.0%	961,239	967,888	-0.7%
E-MICRO CAD/USD	0	0	0.0%	16,522	13,711	20.50%	0	0	0.0%	154,346	159,410	-3.2%
E-MICRO CHF/USD	0	0	0.0%	3,795	1,995	90.23%	0	0	0.0%	25,860	13,293	94.5%
E-MICRO EUR/USD	0	0	0.0%	201,254	332,456	-39.46%	0	0	0.0%	2,159,266	3,364,884	-35.8%
E-MICRO GBP/USD	0	0	0.0%	53,918	46,347	16.34%	0	0	0.0%	396,919	428,269	-7.3%
E-MICRO INR/USD	0	0	0.0%	4,812	5,862	-17.91%	0	0	0.0%	45,002	40,852	10.2%
E-MICRO JPY/USD	0	0	0.0%	25,717	23,194	10.88%	0	0	0.0%	262,337	275,559	-4.8%
E-MINI EURO FX	0	0	0.0%	109,376	113,175	-3.36%	0	0	0.0%	881,253	940,863	-6.3%
E-MINI JAPANESE YEN	0	0	0.0%	21,019	8,809	138.61%	0	0	0.0%	151,426	117,022	29.4%
EURO FX	3	4	-25.0%	5,661,531	6,141,988	-7.82%	60	538	-88.8%	39,617,280	52,908,910	-25.1%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	1	0	0.00%	0	0	0.0%	9	0	0.0%
INDIAN RUPEE	0	0	0.0%	80,493	89,647	-10.21%	0	0	0.0%	652,663	785,215	-16.9%
JAPANESE YEN	0	2	-100.0%	2,983,670	2,568,243	16.18%	2	104	-98.1%	24,572,811	27,134,775	-9.4%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.

## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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>												
KOREAN WON	0	0	0.0%	392	320	22.50%	0	0	0.0%	2,731	2,093	30.5%
MEXICAN PESO	0	0	0.0%	1,375,714	1,485,043	-7.36%	0	0	0.0%	11,473,436	12,653,298	-9.3%
NEW ZEALND DOLLAR	0	0	0.0%	628,578	615,837	2.07%	0	0	0.0%	5,226,688	5,766,533	-9.4%
NKR/USD CROSS RATE	0	0	0.0%	7,251	9,475	-23.47%	0	0	0.0%	43,412	42,553	2.0%
POLISH ZLOTY (EC)	0	0	0.0%	22	26	-15.38%	0	0	0.0%	440	174	152.9%
POLISH ZLOTY (US)	0	0	0.0%	160	69	131.88%	0	0	0.0%	940	770	22.1%
RMB USD	0	0	0.0%	1	0	0.00%	0	0	0.0%	7	23	-69.6%
RUSSIAN RUBLE	0	0	0.0%	151,524	85,544	77.13%	0	0	0.0%	676,001	487,368	38.7%
S.AFRICAN RAND	0	0	0.0%	79,763	55,589	43.49%	0	0	0.0%	454,692	424,583	7.1%
SF/JY CROSS RATES	0	0	0.0%	4	7	-42.86%	0	0	0.0%	11	7	57.1%
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%	4,641	8,656	-46.38%	0	0	0.0%	24,493	38,404	-36.2%
SWISS FRANC	0	0	0.0%	724,421	695,845	4.11%	0	0	0.0%	5,136,404	5,440,395	-5.6%
TURKISH LIRA	0	0	0.0%	8	5	60.00%	0	0	0.0%	68	10	580.0%
USDZAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	20	5	300.0%
<b>FX Options</b>												
AUD/USD MONTHLY OPTIONS	0	600	-100.0%	72,234	84,970	-14.99%	0	600	-100.0%	613,503	737,473	-16.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	14,616	30,915	-52.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,858	15,259	-61.61%	0	0	0.0%	53,419	61,128	-12.6%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,945	10,463	-62.30%	0	0	0.0%	56,015	89,339	-37.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,091	12,740	-67.89%	0	0	0.0%	60,421	95,189	-36.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	16,035	25,186	-36.3%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,571	4,174	-62.36%	0	0	0.0%	15,574	27,002	-42.3%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,273	4,705	-72.94%	0	0	0.0%	16,139	21,125	-23.6%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	881	1,171	-24.77%	0	0	0.0%	7,112	12,011	-40.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,723	2,789	-38.22%	0	0	0.0%	11,787	19,276	-38.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	3,824	7,552	-49.4%
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	3	-100.00%	0	0	0.0%	0	275	-100.0%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.

## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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 Options</b>												
BRL/USD MONTHLY OPTIONS	0	-	-	260	-		0	-	-	396	-	-
CAD/USD MONTHLY OPTIONS	42	136	-69.1%	46,479	82,415	-43.60%	909	2,101	-56.7%	466,695	782,134	-40.3%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	41	0	0.00%	0	0	0.0%	27,013	45,518	-40.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	7,035	24,521	-71.31%	0	0	0.0%	61,417	115,111	-46.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	8,353	16,901	-50.58%	0	0	0.0%	83,753	158,609	-47.2%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,140	15,938	-61.48%	0	0	0.0%	88,685	143,653	-38.3%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	23,565	52,416	-55.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	990	4,735	-79.09%	0	0	0.0%	25,476	31,296	-18.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	3,788	4,568	-17.08%	0	0	0.0%	29,948	32,108	-6.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	3,323	6,957	-52.24%	0	0	0.0%	27,681	35,360	-21.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,837	1,755	4.67%	0	0	0.0%	23,929	32,908	-27.3%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	7,133	16,134	-55.8%
CANADIAN DOLLAR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	63	-100.0%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	2,854	1,261	126.33%	0	0	0.0%	20,432	21,867	-6.6%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	50	0	0.00%	0	0	0.0%	167	71	135.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	219	108	102.78%	0	0	0.0%	2,056	751	173.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	229	2	11,350.00%	0	0	0.0%	1,648	907	81.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	218	117	86.32%	0	0	0.0%	993	1,739	-42.9%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	613	712	-13.9%
EUR/GBP MONTHLY OPTIONS	0	-	-	0	-		0	-	-	74	-	-
EUR/JPY MONTHLY OPTIONS	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	3	-100.00%	0	0	0.0%	0	59	-100.0%
EUR/USD MONTHLY OPTIONS	236	1,350	-82.5%	366,303	388,110	-5.62%	9,004	10,317	-12.7%	3,348,291	4,738,173	-29.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	103	0	0.00%	0	80	-100.0%	86,090	226,644	-62.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	38,828	41,764	-7.03%	0	0	0.0%	247,432	297,585	-16.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	36,360	42,792	-15.03%	0	1,800	-100.0%	274,634	444,452	-38.2%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	24,602	48,153	-48.91%	0	750	-100.0%	323,163	468,246	-31.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	80,249	123,624	-35.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	14,328	9,811	46.04%	0	0	0.0%	120,635	118,152	2.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	12,280	9,096	35.00%	0	0	0.0%	117,643	105,999	11.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	20,681	11,237	84.04%	0	0	0.0%	115,932	106,598	8.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	14,658	8,708	68.33%	0	0	0.0%	122,947	123,939	-0.8%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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 Options</b>												
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	29,955	47,956	-37.5%
GBP/USD MONTHLY OPTIONS	48	56	-14.3%	134,100	208,405	-35.65%	872	602	44.9%	1,087,534	1,550,180	-29.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	32	0	0.00%	0	0	0.0%	23,932	53,308	-55.1%
GBP/USD WKLY FRIDAY OPTIC	16	0	0.0%	6,836	20,099	-65.99%	16	0	0.0%	56,032	110,749	-49.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,365	23,777	-73.23%	0	30	-100.0%	63,251	170,136	-62.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,499	21,770	-79.33%	0	0	0.0%	60,177	180,893	-66.7%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	25,313	43,715	-42.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	958	4,287	-77.65%	0	0	0.0%	20,525	30,067	-31.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,514	3,022	-49.90%	0	0	0.0%	21,969	34,102	-35.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,097	4,051	-72.92%	0	0	0.0%	23,654	36,834	-35.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,637	7,067	-76.84%	0	0	0.0%	20,873	34,345	-39.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	7,357	17,377	-57.7%
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 MONTHLY OPTIONS	30	395	-92.4%	124,325	109,689	13.34%	193	4,438	-95.7%	1,271,437	1,492,959	-14.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	44,503	66,384	-33.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	11,079	18,481	-40.05%	0	0	0.0%	90,144	132,850	-32.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	16,254	16,996	-4.37%	0	0	0.0%	131,647	187,857	-29.9%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	9,268	19,668	-52.88%	0	0	0.0%	128,723	198,260	-35.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	46,282	47,221	-2.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	7,813	5,191	50.51%	0	0	0.0%	42,066	35,680	17.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,613	3,358	37.37%	0	0	0.0%	38,087	35,570	7.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,161	2,140	187.90%	0	0	0.0%	36,453	29,436	23.8%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,450	2,599	71.22%	0	0	0.0%	39,156	43,347	-9.7%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	7,723	14,041	-45.0%
MXN/USD MONTHLY OPTIONS	0	1,200	-100.0%	809	651	24.27%	900	5,288	-83.0%	12,285	12,775	-3.8%
MXN/USD WKLY FRIDAY OPTI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	5	-100.00%	0	0	0.0%	429	205	109.3%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	48	-100.00%	0	0	0.0%	1,103	48	2,197.9%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	26	-100.00%	0	0	0.0%	329	260	26.5%
MXN/USD WKLY FRIDAY OPTI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NZD/USD MONTHLY OPTIONS	0	-	-	1,652	-	-	0	-	-	4,975	-	-
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-	-	0	-	-	0	-	-
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-	-	0	-	-	120	-	-

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.

## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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 Options</b>												
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-		0	-	-	206	-	-
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 PRODUCS	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	493	-100.00%	0	0	0.0%	0	11,841	-100.0%
<b>Foreign Exchange Options</b>												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	560	1,252	-55.27%	0	0	0.0%	7,063	7,928	-10.9%
<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	3,483	3,986	-12.62%	0	0	0.0%	36,246	37,744	-4.0%
CASH-SETTLED CHEESE	0	0	0.0%	10,073	8,490	18.65%	0	0	0.0%	99,212	89,206	11.2%
CATTLE	1,152	984	17.1%	1,536,153	1,431,849	7.28%	10,948	11,865	-7.7%	13,074,841	12,432,759	5.2%
CAT WEATHER EUROPEAN	0	-	-	0	-		0	-	-	0	-	-
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%	25	0	0.0%
CHI WHEAT	2,015	10,049	-79.9%	1,529,585	2,056,784	-25.63%	61,132	129,920	-52.9%	23,862,845	29,483,808	-19.1%
CLASS IV MILK	0	0	0.0%	2,576	511	404.11%	158	0	0.0%	21,523	5,261	309.1%
COCOA TAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	8	5	60.0%
COFFEE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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 Futures</b>												
CORN	5,349	18,705	-71.4%	5,149,685	5,403,997	-4.71%	217,236	311,358	-30.2%	82,445,035	73,945,803	11.5%
COTTON	0	0	0.0%	6	9	-33.33%	0	0	0.0%	36	13	176.9%
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%	70,880	87,065	-18.59%	0	0	0.0%	437,003	718,178	-39.2%
DRY WHEY	0	0	0.0%	956	1,517	-36.98%	0	0	0.0%	10,931	11,679	-6.4%
FEEDER CATTLE	0	0	0.0%	301,660	293,434	2.80%	178	17	947.1%	2,847,150	2,739,267	3.9%
FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	27,240	29,492	-7.64%	0	0	0.0%	255,014	280,356	-9.0%
GSCI EXCESS RETURN FUT	0	0	0.0%	334	278	20.14%	0	0	0.0%	334	616	-45.8%
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	1,200	1,550	-22.6%	1,454,663	1,239,627	17.35%	15,135	13,233	14.4%	12,224,285	10,362,854	18.0%
HOUSING INDEX	0	0	0.0%	18	2	800.00%	0	0	0.0%	109	67	62.7%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	654	581	12.6%	779,572	721,736	8.01%	8,326	10,950	-24.0%	11,489,289	12,004,219	-4.3%
LUMBER	0	0	0.0%	10,058	14,116	-28.75%	0	0	0.0%	123,264	168,067	-26.7%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	2	0	0.0%	34,943	22,004	58.80%	262	1,182	-77.8%	233,014	204,949	13.7%
MINI CORN	0	0	0.0%	13,184	7,914	66.59%	0	0	0.0%	135,704	91,835	47.8%
MINI SOYBEAN	0	0	0.0%	17,357	13,212	31.37%	0	0	0.0%	162,013	203,476	-20.4%
MINI WHEAT	0	0	0.0%	16,521	5,750	187.32%	0	0	0.0%	70,670	71,882	-1.7%
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%	5,925	4,143	43.01%	19	43	-55.8%	56,690	46,006	23.2%
OATS	0	0	0.0%	8,174	8,011	2.03%	0	40	-100.0%	114,520	120,389	-4.9%
ROUGH RICE	0	18	-100.0%	14,866	11,175	33.03%	31	26	19.2%	176,153	162,055	8.7%
SOYBEAN	5,919	12,375	-52.2%	3,288,819	2,992,068	9.92%	51,808	138,128	-62.5%	36,121,823	42,913,019	-15.8%
SOYBEAN MEAL	749	2,654	-71.8%	2,010,566	2,260,500	-11.06%	7,860	33,991	-76.9%	20,294,285	23,794,669	-14.7%
SOYBEAN OIL	248	1,430	-82.7%	2,482,133	2,323,476	6.83%	4,676	13,627	-65.7%	21,949,129	22,805,980	-3.8%
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%	10	58	-82.8%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WHEAT	0	0	0.0%	301	0	0.00%	0	0	0.0%	7,212	22	32,681.8%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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>												
AUG-NOV SOYBEAN CAL SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BUTTER CS	270	1,410	-80.9%	1,408	5,166	-72.74%	4,464	10,314	-56.7%	24,903	27,032	-7.9%
CASH-SETTLED CHEESE	1,940	2,616	-25.8%	6,976	7,016	-0.57%	15,011	22,282	-32.6%	71,883	66,096	8.8%
CATTLE	30,669	32,350	-5.2%	198,675	161,634	22.92%	230,977	247,149	-6.5%	1,583,666	1,910,644	-17.1%
CAT WEATHER EUROPEAN	0	-	-	0	-	-	0	-	-	0	-	-
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	46,719	148,616	-68.6%	297,292	552,264	-46.17%	857,872	1,708,077	-49.8%	5,071,505	5,883,033	-13.8%
CLASS IV MILK	123	57	115.8%	2,345	1,048	123.76%	3,532	749	371.6%	30,866	9,551	223.2%
CORN	232,619	330,647	-29.6%	1,613,047	1,386,591	16.33%	4,057,818	5,342,405	-24.0%	22,320,260	15,755,955	41.7%
CORN NEARBY+2 CAL SPRD	8,050	5,350	50.5%	500	0	0.00%	48,593	22,268	118.2%	2,891	100	2,791.0%
DEC-DEC CORN CAL SPRD	770	1,604	-52.0%	41	0	0.00%	12,459	15,742	-20.9%	2,377	0	0.0%
DEC-JULY CORN CAL SPRD	1,632	2,480	-34.2%	122	0	0.00%	19,553	15,924	22.8%	146	0	0.0%
DEC-JULY WHEAT CAL SPRD	0	1,550	-100.0%	0	0	0.00%	0	1,694	-100.0%	0	0	0.0%
DRY WHEY	25	6	316.7%	732	842	-13.06%	735	1,355	-45.8%	6,555	4,561	43.7%
FEEDER CATTLE	1,945	965	101.6%	19,922	23,438	-15.00%	19,021	17,778	7.0%	262,121	249,866	4.9%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HOGS	29,038	21,158	37.2%	305,608	231,808	31.84%	282,790	241,844	16.9%	3,048,279	1,870,688	62.9%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	7	0	0.0%
Intercommodity Spread	0	560	-100.0%	0	0	0.00%	1,000	9,819	-89.8%	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	80	200	-60.0%	51	0	0.00%	9,427	10,146	-7.1%	1,151	100	1,051.0%
JULY-DEC SOYMEAL CAL SPR	0	0	0.0%	0	0	0.00%	0	1,200	-100.0%	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	0	0.0%	0	0	0.00%	1,450	1,965	-26.2%	0	455	-100.0%
JULY-NOV SOYBEAN CAL SPR	0	3,770	-100.0%	0	15	-100.00%	5,931	53,243	-88.9%	290	2,598	-88.8%
KC WHEAT	14,077	33,470	-57.9%	54,451	39,921	36.40%	205,041	317,627	-35.4%	637,745	524,642	21.6%
LUMBER	0	5	-100.0%	998	1,384	-27.89%	70	216	-67.6%	15,853	15,381	3.1%
LV CATL CSO	50	169	-70.4%	0	0	0.00%	529	282	87.6%	0	0	0.0%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0.00%	40	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%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.





## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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>												
MILK	1,310	3,552	-63.1%	39,431	33,284	18.47%	20,418	56,078	-63.6%	321,201	252,241	27.3%
MLK MID OPTIONS	4	12	-66.7%	0	0	0.00%	24	387	-93.8%	194	27	618.5%
NFD MILK	271	236	14.8%	2,313	4,408	-47.53%	1,819	7,804	-76.7%	49,375	37,043	33.3%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	1,050	1	104,900.0%	2,500	0	0.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	0	0.00%	20	130	-84.6%	0	0	0.0%
NOV-NOV SOYBEAN CAL SPR	10	0	0.0%	0	0	0.00%	144	118	22.0%	1,750	0	0.0%
OATS	65	126	-48.4%	99	524	-81.11%	2,274	1,056	115.3%	1,920	2,987	-35.7%
ROUGH RICE	2,960	1,170	153.0%	1,114	625	78.24%	18,509	6,550	182.6%	8,536	7,730	10.4%
SEP-DEC SOYBEAN MEAL CSC	0	0	0.0%	0	0	0.00%	0	1,170	-100.0%	0	0	0.0%
SOYBEAN	85,808	161,848	-47.0%	740,060	917,790	-19.36%	1,238,353	2,780,857	-55.5%	9,038,517	12,460,660	-27.5%
SOYBEAN CRUSH	0	0	0.0%	0	0	0.00%	4	185	-97.8%	0	0	0.0%
SOYBEAN MEAL	26,460	58,893	-55.1%	107,729	138,213	-22.06%	288,001	947,087	-69.6%	1,140,215	1,783,723	-36.1%
SOYBEAN OIL	17,903	43,625	-59.0%	114,037	86,829	31.34%	170,191	322,100	-47.2%	859,747	709,458	21.2%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	0	0	0.00%	3,500	10	34,900.0%	2,000	0	0.0%
SOYMEAL NEARBY+2 CAL SPR	0	2,540	-100.0%	0	0	0.00%	490	5,190	-90.6%	0	0	0.0%
WHEAT	2,784	270	931.1%	2,411	7	34,342.86%	7,700	2,910	164.6%	6,577	310	2,021.6%
WHEAT-CORN ICSSO	0	15	-100.0%	0	0	0.00%	2,680	5,135	-47.8%	0	0	0.0%
WHEAT NEARBY+2 CAL SPRD	50	160	-68.8%	33	140	-76.43%	2,390	8,192	-70.8%	233	4,471	-94.8%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	951,797	844,837	12.7%	137,119,556	116,333,483	17.9%	9,004,008	8,962,747	0.5%	1,437,958,970	1,318,438,252	9.1%
Equity Index Futures	49,102	79,508	-38.2%	65,144,855	51,264,044	27.1%	215,766	394,040	-45.2%	535,995,305	460,822,011	16.3%
Metals Futures	0	0	0.0%	14,003,663	10,096,697	38.7%	0	0	0.0%	108,057,015	111,659,717	-3.2%
Energy Futures	0	0	0.0%	46,736,410	39,291,111	18.9%	0	0	0.0%	387,488,412	394,489,280	-1.8%
FX Futures	6	9	-33.3%	19,932,101	19,851,504	0.4%	68	693	-90.2%	152,079,273	176,404,223	-13.8%
Ags Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange Futures	0	0	0.0%	0	493	-100.0%	0	0	0.0%	0	11,841	-100.0%
Ag Products Futures	17,288	48,346	-64.2%	18,769,731	18,941,146	-0.9%	377,769	664,380	-43.1%	226,248,373	232,694,297	-2.8%
<b>TOTAL FUTURES</b>	<b>1,018,193</b>	<b>972,700</b>	<b>4.7%</b>	<b>301,706,316</b>	<b>255,778,478</b>	<b>18.0%</b>	<b>9,597,611</b>	<b>10,021,860</b>	<b>-4.2%</b>	<b>2,847,827,348</b>	<b>2,694,519,621</b>	<b>5.7%</b>

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.

## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2019	Open Outcry SEP 2018	% CHG	ELEC SEP 2019	ELEC SEP 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 OPTIONS GROUP</b>												
Equity Index Options	668,795	720,338	-7.2%	12,900,601	11,064,134	16.6%	6,116,318	9,037,801	-32.3%	115,791,410	137,597,071	-15.8%
Interest Rate Options	21,219,461	17,353,599	22.3%	30,419,099	22,081,887	37.8%	224,966,847	190,970,609	17.8%	285,342,092	225,499,309	26.5%
Metals Options	0	0	0.0%	1,660,757	733,994	126.3%	0	0	0.0%	12,435,359	8,549,943	45.4%
Energy Options	0	0	0.0%	4,152,684	4,287,065	-3.1%	0	0	0.0%	31,113,365	38,236,641	-18.6%
FX Options	372	3,737	-90.0%	1,044,997	1,326,556	-21.2%	11,894	26,006	-54.3%	9,933,375	13,957,854	-28.8%
Ag Products Options	505,632	859,430	-41.2%	3,509,395	3,592,947	-2.3%	7,533,880	12,187,239	-38.2%	44,513,293	41,579,352	7.1%
Foreign Exchange Options	0	0	0.0%	560	1,252	-55.3%	0	0	0.0%	7,063	7,928	-10.9%
<b>TOTAL OPTIONS</b>	<b>22,394,260</b>	<b>18,937,104</b>	<b>18.3%</b>	<b>53,688,093</b>	<b>43,087,835</b>	<b>24.6%</b>	<b>238,628,939</b>	<b>212,221,655</b>	<b>12.4%</b>	<b>499,135,957</b>	<b>465,428,098</b>	<b>7.2%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	22,171,258	18,198,436	21.8%	167,538,655	138,415,370	21.0%	233,970,855	199,933,356	17.0%	1,723,301,062	1,543,937,561	11.6%
Equity Index	717,897	799,846	-10.2%	78,045,456	62,328,178	25.2%	6,332,084	9,431,841	-32.9%	651,786,715	598,419,082	8.9%
Metals	0	0	0.0%	15,664,420	10,830,691	44.6%	0	0	0.0%	120,492,374	120,209,660	0.2%
Energy	0	0	0.0%	50,889,094	43,578,176	16.8%	0	0	0.0%	418,601,777	432,725,921	-3.3%
FX	378	3,746	-89.9%	20,977,098	21,178,060	-0.9%	11,962	26,699	-55.2%	162,012,648	190,362,077	-14.9%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange	0	0	0.0%	560	1,745	-67.9%	0	0	0.0%	7,063	19,769	-64.3%
Ag Products	522,920	907,776	-42.4%	22,279,126	22,534,093	-1.1%	7,911,649	12,851,619	-38.4%	270,761,666	274,273,649	-1.3%
<b>GRAND TOTAL</b>	<b>23,412,453</b>	<b>19,909,804</b>	<b>17.6%</b>	<b>355,394,409</b>	<b>298,866,313</b>	<b>18.9%</b>	<b>248,226,550</b>	<b>222,243,515</b>	<b>11.7%</b>	<b>3,346,963,305</b>	<b>3,159,947,719</b>	<b>5.9%</b>

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.