

## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Interest Rate Futures</b>												
10-YR NOTE	0	213,585	-100.0%	21,295,605	32,835,378	-35.14%	469,469	1,272,049	-63.1%	304,279,988	333,696,310	-8.8%
10-YR SWAP RATE	0	0	0.0%	90,741	55,482	63.55%	0	0	0.0%	419,296	373,827	12.2%
15-YR SWAP RATE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
1-MONTH EURODOLLAR	0	0	0.0%	8	9	-11.11%	0	0	0.0%	826	404	104.5%
20-YR SWAP RATE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	46	-100.0%
2-YR NOTE	0	6,281	-100.0%	4,318,485	10,203,428	-57.68%	261	24,537	-98.9%	97,582,040	123,892,050	-21.2%
2-YR SWAP RATE	0	0	0.0%	3,647	48,377	-92.46%	0	0	0.0%	80,997	418,545	-80.6%
30-YR BOND	0	34,896	-100.0%	5,962,584	6,608,810	-9.78%	55,491	179,328	-69.1%	67,605,509	65,406,471	3.4%
30-YR SWAP RATE	0	0	0.0%	0	333	-100.00%	0	0	0.0%	822	5,839	-85.9%
3-YR NOTE	0	-	-	99,049	-	-	0	-	-	286,297	-	-
3-YR SWAP RATE	0	0	0.0%	1,466	26,356	-94.44%	0	0	0.0%	23,129	150,072	-84.6%
4-YR SWAP RATE	0	0	0.0%	2,569	2,994	-14.20%	0	0	0.0%	12,606	87,909	-85.7%
5-YR NOTE	0	66,300	-100.0%	10,656,943	17,968,154	-40.69%	87,402	407,623	-78.6%	180,580,453	213,186,447	-15.3%
5-YR SWAP RATE	0	0	0.0%	39,733	94,320	-57.87%	0	0	0.0%	476,488	658,830	-27.7%
7-YR SWAP RATE	0	0	0.0%	510	1,203	-57.61%	0	0	0.0%	14,594	33,855	-56.9%
EURODOLLARS	119,188	630,735	-81.1%	27,180,906	51,687,242	-47.41%	2,830,768	7,120,405	-60.2%	403,290,035	544,721,716	-26.0%
FED FUND	0	0	0.0%	1,778,657	9,680,830	-81.63%	0	0	0.0%	47,361,048	71,348,525	-33.6%
SOFR	0	0	0.0%	1,131,612	1,016,098	11.37%	0	0	0.0%	8,018,301	5,992,910	33.8%
SONIA	0	0	0.0%	189,924	165,858	14.51%	0	0	0.0%	1,475,958	1,618,270	-8.8%
Ultra 10-Year Note	0	0	0.0%	3,887,392	4,152,737	-6.39%	0	0	0.0%	45,899,036	42,402,810	8.2%
ULTRA T-BOND	0	0	0.0%	2,775,744	2,571,947	7.92%	0	66	-100.0%	36,197,570	33,964,134	6.6%

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<b>Interest Rate Options</b>												
10-YR NOTE	0	2,785,617	-100.0%	6,532,095	12,236,161	-46.62%	8,489,760	21,790,191	-61.0%	88,289,121	100,487,894	-12.1%
2-YR NOTE	0	188,901	-100.0%	23,166	342,785	-93.24%	273,359	1,364,968	-80.0%	1,716,787	3,110,387	-44.8%
30-YR BOND	0	452,957	-100.0%	2,184,633	3,191,536	-31.55%	891,042	2,936,576	-69.7%	21,120,982	23,991,590	-12.0%
5-YR NOTE	0	911,129	-100.0%	1,212,097	3,409,537	-64.45%	2,424,616	8,432,292	-71.2%	24,345,102	33,138,752	-26.5%
EURODOLLARS	1,968,619	12,757,966	-84.6%	2,178,917	7,783,813	-72.01%	51,292,387	128,288,388	-60.0%	100,928,341	74,343,952	35.8%
EURO MIDCURVE	2,037,095	4,044,144	-49.6%	2,016,266	3,443,875	-41.45%	16,353,574	61,898,067	-73.6%	43,870,982	50,237,978	-12.7%
FED FUND	0	32,285	-100.0%	0	10,396	-100.00%	3,100	52,085	-94.0%	7,821	12,211	-36.0%
SOFR	0	-	-	0	-	-	10	-	-	1,012	-	-
Ultra 10-Year Note	0	315	-100.0%	0	0	0.00%	13,035	21,799	-40.2%	2,965	5,328	-44.4%
ULTRA T-BOND	0	46,147	-100.0%	20	996	-97.99%	10,870	182,481	-94.0%	2,671	14,000	-80.9%
<b>Equity Index Futures</b>												
BITCOIN FUTURES	0	0	0.0%	201,375	101,454	98.49%	0	0	0.0%	1,580,405	1,295,335	22.0%
DJ US REAL ESTATE	0	0	0.0%	57,011	49,673	14.77%	0	0	0.0%	330,131	228,028	44.8%
E-mini (\$5) Dow	0	0	0.0%	5,180,821	3,859,353	34.24%	0	0	0.0%	47,539,259	40,099,305	18.6%
E-MINI COM SERVICES SELEC	0	0	0.0%	6,208	4,633	34.00%	0	0	0.0%	22,503	24,730	-9.0%
E-mini FTSE 100 (USD)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	336	-100.0%
E-mini FTSE China 50	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	711	-99.7%
E-MINI MIDCAP	0	0	0.0%	487,148	422,925	15.19%	0	0	0.0%	3,396,792	3,060,282	11.0%
E-MINI NASDAQ 100	0	0	0.0%	16,080,698	9,521,636	68.89%	0	0	0.0%	112,544,837	90,348,006	24.6%
E-MINI RUSSELL 1000	0	0	0.0%	7,202	4,627	55.65%	0	0	0.0%	34,126	31,626	7.9%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	5,653	4,715	19.89%	0	0	0.0%	28,265	32,575	-13.2%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	12,937	11,187	15.64%	0	0	0.0%	55,327	68,157	-18.8%
E-MINI RUSSELL 2000	0	0	0.0%	4,999,987	4,109,954	21.66%	0	0	0.0%	39,232,642	27,906,279	40.6%
E-MINI S&P500	0	0	0.0%	49,926,461	35,205,790	41.81%	0	0	0.0%	398,694,529	304,267,517	31.0%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	5,832	6,615	-11.84%	0	0	0.0%	48,730	27,144	79.5%
FT-SE 100	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	372	-100.0%
FTSE Emerging	0	0	0.0%	45	2,637	-98.29%	0	0	0.0%	4,545	19,288	-76.4%
IBOVESPA INDEX	0	0	0.0%	147	956	-84.62%	0	0	0.0%	4,094	5,942	-31.1%
MICRO E-MINI NASDAQ 100	0	0	0.0%	22,193,044	3,702,224	499.45%	0	0	0.0%	122,781,960	20,691,712	493.4%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	2,014,024	633,799	217.77%	0	0	0.0%	18,263,463	3,201,233	470.5%

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<b>Equity Index Futures</b>												
MICRO E-MINI S&P500	0	0	0.0%	23,799,628	5,328,816	346.62%	0	0	0.0%	168,087,271	28,793,695	483.8%
MICRO MINI \$5 DOW	0	0	0.0%	2,696,020	850,437	217.02%	0	0	0.0%	24,631,749	5,273,924	367.0%
NASDAQ BIOTECH	0	0	0.0%	463	937	-50.59%	0	0	0.0%	4,778	3,176	50.4%
Nearby BTIC+	0	-	-	0	-		0	-	-	200	-	-
NIFTY 50	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	178,015	257,971	-30.99%	0	0	0.0%	1,867,328	2,035,974	-8.3%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	855,293	871,392	-1.85%	0	228	-100.0%	9,138,499	7,403,051	23.4%
S&P 500	0	49,102	-100.0%	205	2,264	-90.95%	33,712	215,538	-84.4%	19,282	14,565	32.4%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	18,225	6,133	197.16%	0	0	0.0%	212,650	84,801	150.8%
S&P 500/GI	0	0	0.0%	0	20	-100.00%	0	0	0.0%	0	60	-100.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	90	260	-65.38%	0	0	0.0%	8,304	1,201	591.4%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	17	-100.00%	0	0	0.0%	0	17	-100.0%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	13,814	10,016	37.92%	0	0	0.0%	63,572	63,320	0.4%
S&P CONSUMER STAPLES SE	0	0	0.0%	28,300	20,341	39.13%	0	0	0.0%	111,151	98,995	12.3%
S&P ENERGY SECTOR	0	0	0.0%	38,226	20,733	84.37%	0	0	0.0%	165,347	106,817	54.8%
S&P FINANCIAL SECTOR	0	0	0.0%	24,652	32,235	-23.52%	0	0	0.0%	160,079	168,893	-5.2%
S&P HEALTH CARE SECTOR	0	0	0.0%	21,229	19,369	9.60%	0	0	0.0%	116,561	101,161	15.2%
S&P INDUSTRIAL SECTOR	0	0	0.0%	18,045	15,234	18.45%	0	0	0.0%	81,299	74,079	9.7%
S&P MATERIALS SECTOR	0	0	0.0%	8,319	6,946	19.77%	0	0	0.0%	45,501	52,389	-13.1%
S&P TECHNOLOGY SECTOR	0	0	0.0%	22,962	13,615	68.65%	0	0	0.0%	98,137	89,846	9.2%
S&P UTILITIES SECTOR	0	0	0.0%	22,979	27,262	-15.71%	0	0	0.0%	130,562	150,922	-13.5%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	24	-100.00%	0	0	0.0%	0	72	-100.0%
YEN DENOMINATED TOPIX	0	0	0.0%	5,928	18,655	-68.22%	0	0	0.0%	64,567	169,769	-62.0%

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<b>Equity Index Options</b>												
BITCOIN FUTURES	0	-	-	3,520	-		0	-	-	10,888	-	-
E-mini (\$5) Dow	0	0	0.0%	2,420	6,204	-60.99%	0	0	0.0%	28,713	39,466	-27.2%
E-MINI NASDAQ 100	0	0	0.0%	496,096	183,264	170.70%	0	0	0.0%	3,120,855	1,894,249	64.8%
E-MINI RUSSELL 2000	0	0	0.0%	17,983	23,441	-23.28%	0	0	0.0%	160,725	132,623	21.2%
E-MINI S&P500	0	200	-100.0%	6,659,244	6,191,829	7.55%	250	600	-58.3%	67,765,785	49,042,465	38.2%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	7,833	9,150	-14.39%	0	0	0.0%	77,024	81,175	-5.1%
EOM EMINI S&P	0	0	0.0%	1,949,797	1,656,695	17.69%	0	0	0.0%	18,391,994	17,690,898	4.0%
EOM S&P 500	0	72,441	-100.0%	1,640	0	0.00%	303,360	1,091,477	-72.2%	1,640	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	3,754	3,956	-5.11%	0	0	0.0%	42,172	31,976	31.9%
EOW1 EMINI S&P 500	0	0	0.0%	1,427,566	1,020,536	39.88%	0	0	0.0%	9,642,961	8,915,392	8.2%
EOW1 S&P 500	0	97,437	-100.0%	21,081	0	0.00%	157,788	634,339	-75.1%	21,495	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	4,594	7,069	-35.01%	0	0	0.0%	36,301	46,764	-22.4%
EOW2 EMINI S&P 500	0	0	0.0%	1,140,123	956,457	19.20%	0	0	0.0%	9,859,840	9,035,178	9.1%
EOW2 S&P 500	0	157,872	-100.0%	16,831	0	0.00%	252,530	1,137,568	-77.8%	16,888	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	10,336	25,267	-59.09%	0	0	0.0%	159,514	117,388	35.9%
EOW3 EMINI S&P 500	0	0	0.0%	1,807,661	1,873,687	-3.52%	0	0	0.0%	21,671,286	20,927,300	3.6%
EOW3 S&P 500	0	58,476	-100.0%	18,336	0	0.00%	266,271	1,111,614	-76.0%	18,602	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	3,829	4,619	-17.10%	0	0	0.0%	31,535	30,071	4.9%
EOW4 EMINI S&P 500	0	0	0.0%	1,370,387	938,427	46.03%	0	0	0.0%	8,218,331	7,806,465	5.3%
EOW4 S&P 500	0	-	-	38,406	-		0	-	-	38,816	-	-
MICRO E-MINI NASDAQ 100	0	-	-	2,712	-		0	-	-	2,763	-	-
MICRO E-MINI S&P500	0	-	-	33,258	-		0	-	-	33,515	-	-
S&P 500	0	282,369	-100.0%	400	0	0.00%	677,812	2,140,720	-68.3%	7,513	0	0.0%

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<b>Metals Futures</b>												
ALUMINUM	0	0	0.0%	6,300	3,642	72.98%	0	0	0.0%	40,193	11,772	241.4%
COMEX COPPER	0	0	0.0%	1,969,789	1,481,212	32.98%	0	0	0.0%	18,577,619	18,407,104	0.9%
COMEX E-Mini GOLD	0	0	0.0%	42,859	32,339	32.53%	0	0	0.0%	320,597	176,636	81.5%
COMEX E-Mini SILVER	0	0	0.0%	12,121	7,461	62.46%	0	0	0.0%	88,656	41,384	114.2%
COMEX GOLD	0	0	0.0%	6,169,721	8,363,966	-26.23%	0	0	0.0%	61,466,626	62,171,859	-1.1%
COMEX MINY COPPER	0	0	0.0%	2,519	743	239.03%	0	0	0.0%	7,411	6,088	21.7%
COMEX SILVER	0	0	0.0%	2,165,260	2,540,246	-14.76%	0	0	0.0%	20,264,770	18,042,889	12.3%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	541	118	358.47%	0	0	0.0%	9,644	4,373	120.5%
GOLD	0	-	-	8,326	-		0	-	-	67,832	-	-
Gold Kilo	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HOT ROLLED COIL STEEL FUT	0	-	-	2	-		0	-	-	2	-	-
IRON ORE 62 CHINA PLATTS F	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI FUTU	0	0	0.0%	0	0	0.00%	0	0	0.0%	209	28	646.4%
IRON ORE CHINA	0	-	-	0	-		0	-	-	0	-	-
LNDN ZINC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	1,230	-100.0%
METALS	0	-	-	0	-		0	-	-	0	-	-
MICRO GOLD	0	0	0.0%	2,795,693	722,659	286.86%	0	0	0.0%	16,894,497	3,689,881	357.9%
NYMEX HOT ROLLED STEEL	0	0	0.0%	2,746	1,736	58.18%	0	0	0.0%	41,284	29,437	40.2%
NYMEX PLATINUM	0	0	0.0%	438,575	715,666	-38.72%	0	0	0.0%	3,415,754	4,311,232	-20.8%
PALLADIUM	0	0	0.0%	27,822	76,820	-63.78%	0	0	0.0%	531,204	930,784	-42.9%
SILVER	0	0	0.0%	353,569	57,038	519.88%	0	0	0.0%	1,662,978	231,906	617.1%
URANIUM	0	0	0.0%	0	17	-100.00%	0	0	0.0%	54	412	-86.9%

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<b>Metals Options</b>												
ALUMINUM	0	-	-	0	-		0	-	-	0	-	-
COMEX COPPER	0	0	0.0%	10,752	42,089	-74.45%	0	0	0.0%	229,778	388,128	-40.8%
COMEX GOLD	0	0	0.0%	745,514	1,121,100	-33.50%	0	0	0.0%	8,328,943	9,326,061	-10.7%
COMEX SILVER	0	0	0.0%	142,438	302,574	-52.92%	0	0	0.0%	1,629,076	1,529,435	6.5%
COPPER	0	0	0.0%	0	590	-100.00%	0	0	0.0%	2,673	1,845	44.9%
GOLD	0	0	0.0%	121,723	179,218	-32.08%	0	0	0.0%	1,278,067	1,120,090	14.1%
HOT ROLLED COIL STEEL CAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOT ROLLED COIL STEEL PUT	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%
IRON ORE CHINA	0	-	-	0	-		0	-	-	0	-	-
NYMEX HOT ROLLED STEEL	0	-	-	0	-		0	-	-	0	-	-
NYMEX PLATINUM	0	0	0.0%	1,009	1,154	-12.56%	0	0	0.0%	4,966	13,176	-62.3%
PALLADIUM	0	0	0.0%	9	423	-97.87%	0	0	0.0%	1,404	5,243	-73.2%
SILVER	0	0	0.0%	5,861	13,609	-56.93%	0	0	0.0%	83,083	51,381	61.7%
<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	0.00%	-	0	0.0%	-	0	0.0%
AEP-DAYTON HUB OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ALGONQUIN CITYGATES BASI	-	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	0	0.0%
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	0.00%	-	0	0.0%	-	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Energy Futures</b>												
BRENT FINANCIAL FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	1,565,866	2,381,344	-34.24%	0	0	0.0%	20,644,496	19,359,847	6.6%
CANADIAN LIGHT SWEET OIL	-	0	0.0%	-	0	0.00%	-	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%	11	0	0.00%	0	0	0.0%	189	509	-62.9%
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%
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	0.00%	-	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%
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	15	-100.00%	0	0	0.0%	60	144	-58.3%
CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL LAST DAY	0	-	-	0	-		0	-	-	0	-	-
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	50	-100.0%
CRUDE OIL PHY	0	0	0.0%	16,673,622	26,357,471	-36.74%	0	0	0.0%	219,123,252	225,492,607	-2.8%
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	-	-
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	0.00%	-	0	0.0%	-	0	0.0%
DOMINION TRAN INC - APP I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DOMINION TRANSMISSION INC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL CALENDAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DUTCH TTF NATURAL GAS CA	0	0	0.0%	21,339	11,641	83.31%	0	0	0.0%	256,943	80,342	219.8%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Energy Futures</b>												
EASTERN RAIL DELIVERY CSX	-	0	0.0%	-	0	0.00%	-	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%	6	0	0.0%
ELEC ERCOT DLY OFF PK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ELEC ERCOT DLY PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ELEC ERCOT OFF PEAK	-	0	0.0%	-	0	0.00%	-	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 OFF PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT HOUSTON Z MCPE 5M	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ERCOT NORTH ZMCPE 5MW O	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ERCOT NORTH ZMCPE 5MW O	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ERCOT NORTH ZMCPE 5MW P	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHANOL	0	0	0.0%	190	2,770	-93.14%	0	0	0.0%	12,283	68,607	-82.1%
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	0.00%	-	0	0.0%	-	0	0.0%
EURO GASOIL 10PPM VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL NWE CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL RDAM C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPEAN GASOIL (ICE)	0	0	0.0%	0	188	-100.00%	0	0	0.0%	286	1,004	-71.5%
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%
FREIGHT MARKETS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Energy Futures</b>												
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 0.1CIF MED VS ICE	-	0	0.0%	-	0	0.00%	-	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 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 10PPM VS ICE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL CRACK SPREAD CALE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL MINI CALENDAR SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GERMAN POWER BASELOAD	0	0	0.0%	0	2,354	-100.00%	0	0	0.0%	8,776	21,702	-59.6%
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%
GULF COAST JET FUEL CLNDR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST JET VS NYM 2 H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST NO.6 FUEL OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2	-100.0%
GULF COAST ULSD CALEND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CRACK SP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRCK SPRD BAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	0	0	0.0%	3,389,055	3,630,118	-6.64%	0	0	0.0%	32,138,976	28,531,122	12.6%
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	0	0.00%	0	0	0.0%	0	0	0.0%
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	0	0.00%	0	0	0.0%	670	122	449.2%
HOUSTON SHIP CHANNEL BAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Energy Futures</b>												
HTG OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IN DELIVERY MONTH EUA	-	0	0.0%	-	0	0.00%	-	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 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	0.00%	-	0	0.0%	-	0	0.0%
ISO NEW ENGLAND PK LMP	-	0	0.0%	-	0	0.00%	-	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 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) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARBOB GASOLINE(OPIS)S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA JET (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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LTD NAT GAS	0	0	0.0%	232,197	171,810	35.15%	0	0	0.0%	1,535,042	1,405,540	9.2%
MARS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	480	-100.0%
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%	195	506	-61.46%	0	0	0.0%	6,536	4,997	30.8%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	15	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Energy Futures</b>												
MINY HTG OIL	0	0	0.0%	7	3	133.33%	0	0	0.0%	44	29	51.7%
MINY NATURAL GAS	0	0	0.0%	185,451	44,528	316.48%	0	0	0.0%	1,055,289	270,597	290.0%
MINY RBOB GAS	0	0	0.0%	6	4	50.00%	0	0	0.0%	60	60	0.0%
MINY WTI CRUDE OIL	0	0	0.0%	252,209	606,380	-58.41%	0	0	0.0%	5,948,247	4,345,418	36.9%
MJC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MNC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE 5 DEC	0	0	0.0%	15	0	0.00%	0	0	0.0%	15	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%	2	0	0.00%	0	0	0.0%	154	112	37.5%
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%	64,404	57,120	12.75%	0	0	0.0%	434,785	355,689	22.2%
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%	9,226,231	9,599,264	-3.89%	0	0	0.0%	91,843,321	70,824,480	29.7%
NEPOOL CNCTCT 5MW D AH O	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL CONECTIC 5MW D AH	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL RHODE IL 5MW D AH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL W CNT MASS 5MW D	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL W CNTR M 5MW D AH	-	0	0.0%	-	0	0.00%	-	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Energy Futures</b>												
N ILLINOIS HUB MTHLY	-	0	0.0%	-	0	0.00%	-	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%
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 3.0% FUEL OIL (PLATTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR 1% FUEL OIL BAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	12	5	140.00%	0	0	0.0%	38	19	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%
NY HARBOR RESIDUAL FUEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYH NO 2 CRACK SPREAD CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO CAPACITY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO J	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO J OFF-PEAK	-	0	0.0%	-	0	0.00%	-	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 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	0.00%	-	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Energy Futures</b>												
PETRO CRK&SPRD EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS ASIA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM ATSI ELEC	-	0	0.0%	-	0	0.00%	-	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 MONTHLY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NILL DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM OFF-PEAK LMP SWAP FU	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTHDA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH RT OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH RT PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PLASTICS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREMIUM UNLD 10P FOB MED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREMIUM UNLEAD 10PPM FOB	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MB (OPIS)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MT. BEL (	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Energy Futures</b>												
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%	3,199,485	3,869,679	-17.32%	0	0	0.0%	34,473,918	36,719,254	-6.1%
RBOB SPREAD (PLATTS) SWA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	0	0.0%
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	0.00%	-	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	0	0.0%
SINGAPORE NAPHTHA SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SING FUEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SOUTH STAR TEX OKLHM KNS	-	0	0.0%	-	0	0.00%	-	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%
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%
TD3 MEG TO JAPAN 250K MT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TENNESSEE ZONE 0 BASIS S	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
Tetco STX Basis	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Energy Futures</b>												
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	0.00%	-	0	0.0%	-	0	0.0%
Transco Zone 3 Basis	-	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 6 BASIS SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UCM FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UK NBP NAT GAS CAL MTH FU	0	0	0.0%	150	1,210	-87.60%	0	0	0.0%	2,094	5,679	-63.1%
ULSD 10PPM CIF MED VS ICE	-	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%
WESTERN RAIL DELIVERY PR	-	0	0.0%	-	0	0.00%	-	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%
WTI MIDLAND CRUDE OIL	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%
<b>Energy Options</b>												
BRENT 1 MONTH CAL	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	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	1,800	-100.0%
BRENT CRUDE OIL 6 M CSO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	7,726	53,891	-85.66%	0	0	0.0%	127,263	567,256	-77.6%
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	0.00%	-	0	0.0%	-	0	0.0%
COAL SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL 1MO	0	0	0.0%	4,800	10,450	-54.07%	0	0	0.0%	66,071	79,961	-17.4%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	3	3	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Energy Options</b>												
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%	1,887,315	2,698,381	-30.06%	0	0	0.0%	19,699,542	21,809,601	-9.7%
ELEC FINSETTLED	0	-	-	0	-	-	0	-	-	0	-	-
ETHANOL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	0	0	0.0%	2,173	6,131	-64.56%	0	0	0.0%	29,056	40,066	-27.5%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	46	-100.00%	0	0	0.0%	20	46	-56.5%
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 1 M CSO FIN	0	0	0.0%	650	8,002	-91.88%	0	0	0.0%	3,151	19,522	-83.9%
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%	1,651	0	0.00%	0	0	0.0%	4,827	0	0.0%
NATURAL GAS 5 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 6 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS OPT	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%	1,557,819	1,371,015	13.63%	0	0	0.0%	12,378,719	8,521,331	45.3%
NATURAL GAS SUMMER STRIP	0	-	-	0	-	-	0	-	-	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%	17	19	-10.53%	0	0	0.0%	676	396	70.7%
NYISO ZONE G 5MW PEAK OP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PANHANDLE PIPE SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	11	21	-47.6%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Energy Options</b>												
RBOB CRACK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	2,828	3,649	-22.50%	0	0	0.0%	23,796	32,930	-27.7%
ROTTERDAM 3.5%FUEL OIL CL	-	0	0.0%	-	0	0.00%	-	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	0	0.00%	0	0	0.0%	0	43	-100.0%
SHORT TERM NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	84	-100.0%
SINGAPORE GASOIL CALEND	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SINGAPORE JET FUEL CALEN	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	1,610	1,100	46.36%	0	0	0.0%	14,702	31,705	-53.6%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,200	8,600	-86.0%
<b>FX Futures</b>												
AD/CD CROSS RATES	0	0	0.0%	3	16	-81.25%	0	0	0.0%	80	133	-39.8%
AD/JY CROSS RATES	0	0	0.0%	1,830	1,798	1.78%	0	0	0.0%	23,658	24,609	-3.9%
AD/NE CROSS RATES	0	0	0.0%	212	399	-46.87%	0	0	0.0%	2,605	1,284	102.9%
AUSTRALIAN DOLLAR	0	0	0.0%	2,412,955	2,103,582	14.71%	0	0	0.0%	19,623,823	18,997,885	3.3%
BP/JY CROSS RATES	0	0	0.0%	3,189	5,915	-46.09%	0	0	0.0%	29,734	28,449	4.5%
BP/SF CROSS RATES	0	0	0.0%	369	252	46.43%	0	0	0.0%	3,902	3,714	5.1%
BRAZIL REAL	0	0	0.0%	203,149	135,291	50.16%	0	0	0.0%	1,736,769	1,143,892	51.8%
BRITISH POUND	0	3	-100.0%	2,931,860	3,168,766	-7.48%	0	3	-100.0%	20,228,047	22,056,640	-8.3%
CANADIAN DOLLAR	0	0	0.0%	1,887,510	1,930,683	-2.24%	0	3	-100.0%	14,626,086	14,776,756	-1.0%
CD/JY CROSS RATES	0	0	0.0%	7	1	600.00%	0	0	0.0%	375	127	195.3%
CHINESE RENMINBI (CNH)	0	0	0.0%	27,074	34,786	-22.17%	0	0	0.0%	173,514	254,806	-31.9%
CZECK KORUNA (EC)	0	0	0.0%	2	12	-83.33%	0	0	0.0%	26	30	-13.3%
CZECK KORUNA (US)	0	0	0.0%	1	0	0.00%	0	0	0.0%	1	0	0.0%
EC/AD CROSS RATES	0	0	0.0%	8,760	6,888	27.18%	0	0	0.0%	56,717	42,652	33.0%
EC/CD CROSS RATES	0	0	0.0%	8,040	7,110	13.08%	0	0	0.0%	42,340	30,100	40.7%
EC/NOK CROSS RATES	0	0	0.0%	355	384	-7.55%	0	0	0.0%	1,757	4,422	-60.3%
EC/SEK CROSS RATES	0	0	0.0%	1,136	1,516	-25.07%	0	0	0.0%	5,726	6,305	-9.2%
EFX/BP CROSS RATES	0	0	0.0%	101,164	145,865	-30.65%	0	0	0.0%	628,969	848,681	-25.9%
EFX/JY CROSS RATES	0	0	0.0%	74,992	126,224	-40.59%	0	0	0.0%	547,183	618,453	-11.5%

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<b>FX Futures</b>												
EFX/SF CROSS RATES	0	0	0.0%	32,303	60,131	-46.28%	0	0	0.0%	338,337	320,581	5.5%
E-MINI EURO FX	0	0	0.0%	203,084	109,376	85.68%	0	0	0.0%	1,431,340	881,253	62.4%
E-MINI JAPANESE YEN	0	0	0.0%	9,730	21,019	-53.71%	0	0	0.0%	202,842	151,426	34.0%
EURO FX	0	3	-100.0%	5,835,258	5,661,531	3.07%	36	60	-40.0%	42,226,147	39,617,280	6.6%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	9	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	27	1	2,600.00%	0	0	0.0%	100	9	1,011.1%
INDIAN RUPEE	0	0	0.0%	23,154	80,493	-71.23%	0	0	0.0%	238,275	652,663	-63.5%
JAPANESE YEN	0	0	0.0%	2,063,872	2,983,670	-30.83%	0	2	-100.0%	22,460,154	24,572,811	-8.6%
KOREAN WON	0	0	0.0%	633	392	61.48%	0	0	0.0%	5,028	2,731	84.1%
MEXICAN PESO	0	0	0.0%	1,603,640	1,375,714	16.57%	0	0	0.0%	10,831,072	11,473,436	-5.6%
MICRO AUD/USD	0	0	0.0%	264,283	67,895	289.25%	0	0	0.0%	2,249,886	961,239	134.1%
MICRO CAD/USD	0	0	0.0%	38,375	16,522	132.27%	0	0	0.0%	263,131	154,346	70.5%
MICRO CHF/USD	0	0	0.0%	7,637	3,795	101.24%	0	0	0.0%	35,664	25,860	37.9%
MICRO EUR/USD	0	0	0.0%	693,342	201,254	244.51%	0	0	0.0%	4,451,974	2,159,266	106.2%
MICRO GBP/USD	0	0	0.0%	137,954	53,918	155.86%	0	0	0.0%	599,715	396,919	51.1%
MICRO INR/USD	0	0	0.0%	1,688	4,812	-64.92%	0	0	0.0%	20,041	45,002	-55.5%
MICRO JPY/USD	0	0	0.0%	24,714	25,717	-3.90%	0	0	0.0%	269,350	262,337	2.7%
NEW ZEALND DOLLAR	0	0	0.0%	660,873	628,578	5.14%	0	0	0.0%	5,733,048	5,226,688	9.7%
NKR/USD CROSS RATE	0	0	0.0%	5,811	7,251	-19.86%	0	0	0.0%	43,469	43,412	0.1%
POLISH ZLOTY (EC)	0	0	0.0%	117	22	431.82%	0	0	0.0%	576	440	30.9%
POLISH ZLOTY (US)	0	0	0.0%	1,560	160	875.00%	0	0	0.0%	7,517	940	699.7%
RMB USD	0	0	0.0%	0	1	-100.00%	0	0	0.0%	4	7	-42.9%
RUSSIAN RUBLE	0	0	0.0%	135,768	151,524	-10.40%	0	0	0.0%	1,036,999	676,001	53.4%
S.AFRICAN RAND	0	0	0.0%	110,718	79,763	38.81%	0	0	0.0%	730,269	454,692	60.6%
SF/JY CROSS RATES	0	0	0.0%	2	4	-50.00%	0	0	0.0%	230	11	1,990.9%
SHEKEL	0	0	0.0%	11	0	0.00%	0	0	0.0%	105	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	6,380	4,641	37.47%	0	0	0.0%	35,838	24,493	46.3%
SWISS FRANC	0	0	0.0%	643,454	724,421	-11.18%	0	0	0.0%	5,413,829	5,136,404	5.4%
TURKISH LIRA	0	0	0.0%	36	8	350.00%	0	0	0.0%	88	68	29.4%
USDZAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	20	-100.0%

### FX Options

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<b>FX Options</b>												
AUD/USD MONDAY OPTION W	0	-	-	611	-		0	-	-	3,387	-	-
AUD/USD MONDAY OPTION W	0	-	-	180	-		0	-	-	1,672	-	-
AUD/USD MONDAY OPTION W	0	-	-	36	-		0	-	-	2,326	-	-
AUD/USD MONDAY OPTION W	0	-	-	548	-		0	-	-	1,714	-	-
AUD/USD MONDAY OPTION W	0	-	-	0	-		0	-	-	722	-	-
AUD/USD MONTHLY OPTIONS	0	0	0.0%	55,285	72,234	-23.46%	0	0	0.0%	676,930	613,503	10.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,245	0	0.00%	0	0	0.0%	5,398	14,616	-63.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	851	5,858	-85.47%	0	0	0.0%	37,913	53,419	-29.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,202	3,945	-44.18%	0	0	0.0%	34,059	56,015	-39.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,657	4,091	-10.61%	0	0	0.0%	37,531	60,421	-37.9%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	635	0	0.00%	0	0	0.0%	13,238	16,035	-17.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,013	1,571	-35.52%	0	0	0.0%	11,544	15,574	-25.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	383	1,273	-69.91%	0	0	0.0%	12,425	16,139	-23.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	193	881	-78.09%	0	0	0.0%	7,402	7,112	4.1%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	610	1,723	-64.60%	0	0	0.0%	12,084	11,787	2.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,472	0	0.00%	0	0	0.0%	5,691	3,824	48.8%
BRITISH POUND (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	12	260	-95.38%	0	0	0.0%	675	396	70.5%
CAD/USD MONDAY OPTIONS	0	-	-	86	-		0	-	-	2,445	-	-
CAD/USD MONDAY OPTIONS	0	-	-	200	-		0	-	-	1,564	-	-
CAD/USD MONDAY OPTIONS	0	-	-	881	-		0	-	-	5,609	-	-
CAD/USD MONDAY OPTIONS	0	-	-	129	-		0	-	-	4,642	-	-
CAD/USD MONDAY OPTIONS	0	-	-	0	-		0	-	-	3,085	-	-
CAD/USD MONTHLY OPTIONS	0	42	-100.0%	32,175	46,479	-30.78%	430	909	-52.7%	441,504	466,695	-5.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,447	41	13,185.37%	0	0	0.0%	11,477	27,013	-57.5%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,588	7,035	-20.57%	0	0	0.0%	63,244	61,417	3.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,458	8,353	-34.66%	0	0	0.0%	56,956	83,753	-32.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,697	6,140	9.07%	0	0	0.0%	63,255	88,685	-28.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	113	0	0.00%	0	0	0.0%	25,385	23,565	7.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	323	990	-67.37%	0	0	0.0%	20,377	25,476	-20.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,096	3,788	-71.07%	0	0	0.0%	15,951	29,948	-46.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	707	3,323	-78.72%	0	0	0.0%	16,663	27,681	-39.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	932	1,837	-49.27%	0	0	0.0%	21,279	23,929	-11.1%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	469	0	0.00%	0	0	0.0%	8,199	7,133	14.9%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>FX Options</b>												
CANADIAN DOLLAR (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	3,771	2,854	32.13%	0	0	0.0%	29,999	20,432	46.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	102	50	104.00%	0	0	0.0%	139	167	-16.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	3	219	-98.63%	0	0	0.0%	1,505	2,056	-26.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	25	229	-89.08%	0	0	0.0%	1,029	1,648	-37.6%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	555	218	154.59%	0	0	0.0%	1,432	993	44.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	906	613	47.8%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	74	-100.0%
EUR/JPY MONTHLY OPTIONS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EURO FX (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EUR/USD MONDAY OPTION W	0	-	-	1,033	-		0	-	-	12,242	-	-
EUR/USD MONDAY OPTION W	0	-	-	4,395	-		0	-	-	11,719	-	-
EUR/USD MONDAY OPTION W	0	-	-	1,643	-		0	-	-	18,974	-	-
EUR/USD MONDAY OPTION W	0	-	-	2,757	-		0	-	-	19,336	-	-
EUR/USD MONDAY OPTION W	0	-	-	0	-		0	-	-	7,186	-	-
EUR/USD MONTHLY OPTIONS	0	236	-100.0%	207,323	366,303	-43.40%	1,550	9,004	-82.8%	2,578,857	3,348,291	-23.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	16,462	103	15,882.52%	0	0	0.0%	27,537	86,090	-68.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	14,066	38,828	-63.77%	62	0	0.0%	180,169	247,432	-27.2%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	18,510	36,360	-49.09%	0	0	0.0%	192,396	274,634	-29.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	20,531	24,602	-16.55%	0	0	0.0%	201,301	323,163	-37.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,269	0	0.00%	0	0	0.0%	63,114	80,249	-21.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	8,997	14,328	-37.21%	0	0	0.0%	86,620	120,635	-28.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,418	12,280	-47.74%	0	0	0.0%	74,696	117,643	-36.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,222	20,681	-69.91%	0	0	0.0%	73,417	115,932	-36.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,615	14,658	-48.05%	0	0	0.0%	69,044	122,947	-43.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	10,836	0	0.00%	0	0	0.0%	34,150	29,955	14.0%
GBP/USD MONDAY OPTION W	0	-	-	1,492	-		0	-	-	5,163	-	-
GBP/USD MONDAY OPTION W	0	-	-	529	-		0	-	-	3,175	-	-
GBP/USD MONDAY OPTION W	0	-	-	80	-		0	-	-	4,413	-	-
GBP/USD MONDAY OPTION W	0	-	-	990	-		0	-	-	6,585	-	-
GBP/USD MONDAY OPTION W	0	-	-	0	-		0	-	-	1,435	-	-
GBP/USD MONTHLY OPTIONS	0	48	-100.0%	105,464	134,100	-21.35%	64	872	-92.7%	771,133	1,087,534	-29.1%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,321	32	13,403.13%	0	0	0.0%	8,058	23,932	-66.3%
GBP/USD WKLY FRIDAY OPTIC	0	16	-100.0%	1,790	6,836	-73.82%	0	16	-100.0%	33,169	56,032	-40.8%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>FX Options</b>												
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,464	6,365	-14.16%	0	0	0.0%	34,425	63,251	-45.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,979	4,499	-56.01%	0	0	0.0%	29,672	60,177	-50.7%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,034	0	0.00%	0	0	0.0%	12,820	25,313	-49.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	982	958	2.51%	0	0	0.0%	14,555	20,525	-29.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,255	1,514	-17.11%	0	0	0.0%	8,637	21,969	-60.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,864	1,097	161.08%	0	0	0.0%	15,113	23,654	-36.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,140	1,637	-30.36%	0	0	0.0%	11,682	20,873	-44.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,646	0	0.00%	0	0	0.0%	7,180	7,357	-2.4%
JAPANESE YEN (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JPY/USD MONDAY OPTION WE	0	-	-	1,641	-	-	0	-	-	7,600	-	-
JPY/USD MONDAY OPTION WE	0	-	-	457	-	-	0	-	-	10,580	-	-
JPY/USD MONDAY OPTION WE	0	-	-	1,020	-	-	0	-	-	7,382	-	-
JPY/USD MONDAY OPTION WE	0	-	-	833	-	-	0	-	-	3,946	-	-
JPY/USD MONDAY OPTION WE	0	-	-	0	-	-	0	-	-	2,653	-	-
JPY/USD MONTHLY OPTIONS	0	30	-100.0%	75,176	124,325	-39.53%	727	193	276.7%	1,102,893	1,271,437	-13.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	11,151	0	0.00%	0	0	0.0%	16,840	44,503	-62.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	7,245	11,079	-34.61%	0	0	0.0%	104,129	90,144	15.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	10,821	16,254	-33.43%	0	0	0.0%	113,922	131,647	-13.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	10,533	9,268	13.65%	0	0	0.0%	105,800	128,723	-17.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,692	0	0.00%	0	0	0.0%	38,571	46,282	-16.7%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,286	7,813	-70.74%	0	0	0.0%	46,221	42,066	9.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	1,762	4,613	-61.80%	0	0	0.0%	36,879	38,087	-3.2%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,821	6,161	-54.21%	0	0	0.0%	43,194	36,453	18.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,247	4,450	-49.51%	0	0	0.0%	46,001	39,156	17.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,427	0	0.00%	0	0	0.0%	12,418	7,723	60.8%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	2,963	809	266.25%	1,840	900	104.4%	14,205	12,285	15.6%
MXN/USD WKLY FRIDAY OPTI	0	-	-	4,413	-	-	0	-	-	4,413	-	-
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	139	0	0.00%	0	0	0.0%	1,748	429	307.5%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,898	1,103	72.1%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	750	0	0.00%	0	0	0.0%	2,350	329	614.3%
MXN/USD WKLY FRIDAY OPTI	0	-	-	0	-	-	0	-	-	152	-	-
NZD/USD MONTHLY OPTIONS	0	0	0.0%	19	1,652	-98.85%	0	0	0.0%	4,654	4,975	-6.5%
NZD/USD WKLY FRIDAY OPTIO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	50	120	-58.3%

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<b>FX Options</b>												
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	206	-100.0%
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-	-	0	-	-	375	-	-
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-	-	0	-	-	0	-	-
RUB/USD MONTHLY OPTIONS	0	-	-	93	-	-	0	-	-	93	-	-
<b>Ags Futures</b>												
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	90	0	0.0%
<b>Foreign Exchange Futures</b>												
CHILEAN PESO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
<b>Foreign Exchange Options</b>												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	469	560	-16.25%	0	0	0.0%	6,893	7,063	-2.4%
<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	3,331	3,483	-4.36%	0	0	0.0%	50,258	36,246	38.7%
CASH-SETTLED CHEESE	0	0	0.0%	9,861	10,073	-2.10%	0	0	0.0%	118,242	99,212	19.2%
CAT ASIA WEATHER	0	-	-	0	-	-	0	-	-	0	-	-
CATTLE	0	1,152	-100.0%	1,330,828	1,536,153	-13.37%	2,592	10,948	-76.3%	12,761,831	13,074,841	-2.4%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	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%	50	25	100.0%
CHI WHEAT	0	2,015	-100.0%	2,242,712	1,529,585	46.62%	12,092	61,132	-80.2%	25,193,903	23,862,845	5.6%
CLASS IV MILK	0	0	0.0%	1,580	2,576	-38.66%	65	158	-58.9%	21,357	21,523	-0.8%

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<b>Ag Products Futures</b>												
COCOA TAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	8	-100.0%
COFFEE	0	-	-	0	-		0	-	-	2	-	-
CORN	0	5,349	-100.0%	5,830,914	5,149,685	13.23%	18,145	217,236	-91.6%	65,217,879	82,445,035	-20.9%
COTTON	0	0	0.0%	4	6	-33.33%	0	0	0.0%	30	36	-16.7%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DOW-UBS COMMOD INDEX	0	0	0.0%	62,858	70,880	-11.32%	0	0	0.0%	281,954	437,003	-35.5%
DRY WHEY	0	0	0.0%	831	956	-13.08%	0	0	0.0%	12,488	10,931	14.2%
FEEDER CATTLE	0	0	0.0%	267,000	301,660	-11.49%	54	178	-69.7%	2,470,304	2,847,150	-13.2%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	12,674	27,240	-53.47%	0	0	0.0%	137,826	255,014	-46.0%
GSCI EXCESS RETURN FUT	0	0	0.0%	41	334	-87.72%	0	0	0.0%	85	334	-74.6%
HDD EURO SEASONAL STRIP	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%	25	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	0	1,200	-100.0%	1,233,413	1,454,663	-15.21%	1,940	15,135	-87.2%	9,969,071	12,224,285	-18.4%
HOUSING INDEX	0	0	0.0%	17	18	-5.56%	0	0	0.0%	260	109	138.5%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	0	654	-100.0%	964,013	779,572	23.66%	1,534	8,326	-81.6%	10,514,342	11,489,289	-8.5%
LUMBER	0	0	0.0%	10,839	10,058	7.76%	0	0	0.0%	124,486	123,264	1.0%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	2	-100.0%	26,834	34,943	-23.21%	59	262	-77.5%	316,340	233,014	35.8%
MINI CORN	0	0	0.0%	27,727	13,184	110.31%	0	0	0.0%	197,277	135,704	45.4%
MINI SOYBEAN	0	0	0.0%	67,216	17,357	287.26%	0	0	0.0%	288,177	162,013	77.9%
MINI WHEAT	0	0	0.0%	13,969	16,521	-15.45%	0	0	0.0%	117,519	70,670	66.3%
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%	5,350	5,925	-9.70%	0	19	-100.0%	73,938	56,690	30.4%
OATS	0	0	0.0%	9,163	8,174	12.10%	0	0	0.0%	100,903	114,520	-11.9%
PACIFIC RIM DAT SS WTHR	0	-	-	0	-		0	-	-	0	-	-
ROUGH RICE	0	0	0.0%	6,708	14,866	-54.88%	0	31	-100.0%	185,544	176,153	5.3%
SOYBEAN	0	5,919	-100.0%	5,412,870	3,288,819	64.58%	10,769	51,808	-79.2%	40,472,626	36,121,823	12.0%
SOYBEAN MEAL	0	749	-100.0%	2,777,463	2,010,566	38.14%	1,333	7,860	-83.0%	21,681,357	20,294,285	6.8%
SOYBEAN OIL	0	248	-100.0%	2,731,051	2,482,133	10.03%	4,078	4,676	-12.8%	24,029,235	21,949,129	9.5%
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Ag Products Futures</b>												
SUGAR 11	0	0	0.0%	0	0	0.00%	0	0	0.0%	10	10	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%	5,069	301	1,584.05%	0	0	0.0%	14,058	7,212	94.9%
<b>Ag Products Options</b>												
AUG-NOV SOYBEAN CAL SPR	0	-	-	0	-		0	-	-	77	-	-
BUTTER CS	0	270	-100.0%	1,496	1,408	6.25%	212	4,464	-95.3%	27,349	24,903	9.8%
CASH-SETTLED CHEESE	0	1,940	-100.0%	7,934	6,976	13.73%	7,734	15,011	-48.5%	103,157	71,883	43.5%
CATTLE	0	30,669	-100.0%	158,881	198,675	-20.03%	59,913	230,977	-74.1%	2,022,471	1,583,666	27.7%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHI WHEAT	0	46,719	-100.0%	691,552	297,292	132.62%	202,275	857,872	-76.4%	5,688,146	5,071,505	12.2%
CLASS IV MILK	0	123	-100.0%	1,254	2,345	-46.52%	1,082	3,532	-69.4%	43,720	30,866	41.6%
CORN	0	232,619	-100.0%	2,303,088	1,613,047	42.78%	536,597	4,057,818	-86.8%	15,893,945	22,320,260	-28.8%
CORN NEARBY+2 CAL SPRD	0	8,050	-100.0%	2,249	500	349.80%	14,975	48,593	-69.2%	45,619	2,891	1,478.0%
DEC-DEC CORN CAL SPRD	0	770	-100.0%	470	41	1,046.34%	250	12,459	-98.0%	1,770	2,377	-25.5%
DEC-JULY CORN CAL SPRD	0	1,632	-100.0%	100	122	-18.03%	175	19,553	-99.1%	2,681	146	1,736.3%
DEC-JULY WHEAT CAL SPRD	0	0	0.0%	75	0	0.00%	0	0	0.0%	1,545	0	0.0%
DRY WHEY	0	25	-100.0%	88	732	-87.98%	119	735	-83.8%	4,240	6,555	-35.3%
FEEDER CATTLE	0	1,945	-100.0%	16,500	19,922	-17.18%	4,252	19,021	-77.6%	227,237	262,121	-13.3%
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%
HOGS	0	29,038	-100.0%	287,237	305,608	-6.01%	34,430	282,790	-87.8%	2,493,839	3,048,279	-18.2%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	7	-100.0%
Intercommodity Spread	0	0	0.0%	6	0	0.00%	7,987	1,000	698.7%	3,299	0	0.0%
JAN-MAR SOYBEAN CSO	0	-	-	0	-		0	-	-	20	-	-
JULY-DEC CORN CAL SPRD	0	80	-100.0%	20	51	-60.78%	11,810	9,427	25.3%	7,145	1,151	520.8%
JULY-DEC SOYMEAL CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JULY-DEC SOY OIL CAL SPRD	0	-	-	125	-		0	-	-	125	-	-
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	1,520	1,450	4.8%	2,136	0	0.0%
JULY-JULY WHEAT CAL SPRD	0	-	-	0	-		50	-	-	70	-	-

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Ag Products Options</b>												
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	103	0	0.00%	4,950	5,931	-16.5%	9,100	290	3,037.9%
KC WHEAT	0	14,077	-100.0%	78,537	54,451	44.23%	36,570	205,041	-82.2%	851,339	637,745	33.5%
LUMBER	0	0	0.0%	644	998	-35.47%	0	70	-100.0%	8,258	15,853	-47.9%
LV CATL CSO	0	50	-100.0%	0	0	0.00%	0	529	-100.0%	0	0	0.0%
MAR-DEC CORN CAL SPRD	0	-	-	0	-	-	505	-	-	0	-	-
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0.00%	2,500	40	6,150.0%	0	0	0.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	140	0	0.00%	0	0	0.0%	215	30	616.7%
MILK	0	1,310	-100.0%	23,809	39,431	-39.62%	3,323	20,418	-83.7%	424,436	321,201	32.1%
MLK MID OPTIONS	0	4	-100.0%	0	0	0.00%	31	24	29.2%	86	194	-55.7%
NFD MILK	0	271	-100.0%	4,316	2,313	86.60%	494	1,819	-72.8%	59,166	49,375	19.8%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	2,065	0	0.00%	0	1,050	-100.0%	2,170	2,500	-13.2%
NOV-MAR SOYBEAN CSO	0	0	0.0%	50	0	0.00%	100	20	400.0%	1,235	0	0.0%
NOV-NOV SOYBEAN CAL SPR	0	10	-100.0%	110	0	0.00%	0	144	-100.0%	180	1,750	-89.7%
OATS	0	65	-100.0%	166	99	67.68%	720	2,274	-68.3%	1,454	1,920	-24.3%
ROUGH RICE	0	2,960	-100.0%	242	1,114	-78.28%	6,492	18,509	-64.9%	13,560	8,536	58.9%
SEP-DEC SOYBEAN MEAL CSC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SOYBEAN	0	85,808	-100.0%	1,776,078	740,060	139.99%	275,778	1,238,353	-77.7%	10,296,298	9,038,517	13.9%
SOYBEAN CRUSH	0	0	0.0%	192	0	0.00%	830	4	20,650.0%	1,812	0	0.0%
SOYBEAN MEAL	0	26,460	-100.0%	369,765	107,729	243.24%	84,223	288,001	-70.8%	2,000,714	1,140,215	75.5%
SOYBEAN OIL	0	17,903	-100.0%	213,323	114,037	87.06%	106,072	170,191	-37.7%	1,459,255	859,747	69.7%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	4,335	0	0.00%	335	3,500	-90.4%	5,170	2,000	158.5%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0.00%	200	490	-59.2%	0	0	0.0%
WHEAT	0	2,784	-100.0%	1,630	2,411	-32.39%	16	7,700	-99.8%	8,424	6,577	28.1%
WHEAT-CORN ICSCO	0	0	0.0%	1,190	0	0.00%	70	2,680	-97.4%	5,258	0	0.0%
WHEAT NEARBY+2 CAL SPRD	0	50	-100.0%	0	33	-100.00%	1,251	2,390	-47.7%	4,701	233	1,917.6%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2020	Open Outcry SEP 2019	% CHG	ELEC SEP 2020	ELEC SEP 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	119,188	951,797	-87.5%	79,415,575	137,119,556	-42.1%	3,443,391	9,004,008	-61.8%	1,193,604,993	1,437,958,970	-17.0%
Equity Index Futures	0	49,102	-100.0%	128,930,986	65,144,855	97.9%	33,712	215,766	-84.4%	949,568,447	535,995,305	77.2%
Metals Futures	0	0	0.0%	13,995,843	14,003,663	-0.1%	0	0	0.0%	123,389,330	108,057,015	14.2%
Energy Futures	0	0	0.0%	34,810,447	46,736,410	-25.5%	0	0	0.0%	407,485,495	387,488,412	5.2%
FX Futures	0	6	-100.0%	20,167,032	19,932,101	1.2%	36	68	-47.1%	156,356,349	152,079,273	2.8%
Ags Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	90	0	0.0%
Foreign Exchange Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Ag Products Futures	0	17,288	-100.0%	23,054,336	18,769,731	22.8%	52,661	377,769	-86.1%	214,351,377	226,248,373	-5.3%
<b>TOTAL FUTURES</b>	<b>119,188</b>	<b>1,018,193</b>	<b>-88.3%</b>	<b>300,374,219</b>	<b>301,706,316</b>	<b>-0.4%</b>	<b>3,529,800</b>	<b>9,597,611</b>	<b>-63.2%</b>	<b>3,044,756,081</b>	<b>2,847,827,348</b>	<b>6.9%</b>
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	0	668,795	-100.0%	15,037,807	12,900,601	16.6%	1,658,011	6,116,318	-72.9%	139,359,156	115,791,410	20.4%
Interest Rate Options	4,005,714	21,219,461	-81.1%	14,147,194	30,419,099	-53.5%	79,751,753	224,966,847	-64.5%	280,285,784	285,342,092	-1.8%
Metals Options	0	0	0.0%	1,027,306	1,660,757	-38.1%	0	0	0.0%	11,557,990	12,435,359	-7.1%
Energy Options	0	0	0.0%	3,466,589	4,152,684	-16.5%	0	0	0.0%	32,349,037	31,113,365	4.0%
FX Options	0	372	-100.0%	737,286	1,044,997	-29.4%	4,673	11,894	-60.7%	8,008,296	9,933,375	-19.4%
Ag Products Options	0	505,632	-100.0%	5,947,770	3,509,395	69.5%	1,407,841	7,533,880	-81.3%	41,721,422	44,513,293	-6.3%
Foreign Exchange Options	0	0	0.0%	469	560	-16.3%	0	0	0.0%	6,893	7,063	-2.4%
<b>TOTAL OPTIONS</b>	<b>4,005,714</b>	<b>22,394,260</b>	<b>-82.1%</b>	<b>40,364,421</b>	<b>53,688,093</b>	<b>-24.8%</b>	<b>82,822,278</b>	<b>238,628,939</b>	<b>-65.3%</b>	<b>513,288,578</b>	<b>499,135,957</b>	<b>2.8%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	4,124,902	22,171,258	-81.4%	93,562,769	167,538,655	-44.2%	83,195,144	233,970,855	-64.4%	1,473,890,777	1,723,301,062	-14.5%
Equity Index	0	717,897	-100.0%	143,968,793	78,045,456	84.5%	1,691,723	6,332,084	-73.3%	1,088,927,603	651,786,715	67.1%
Metals	0	0	0.0%	15,023,149	15,664,420	-4.1%	0	0	0.0%	134,947,320	120,492,374	12.0%
Energy	0	0	0.0%	38,277,036	50,889,094	-24.8%	0	0	0.0%	439,834,532	418,601,777	5.1%
FX	0	378	-100.0%	20,904,318	20,977,098	-0.3%	4,709	11,962	-60.6%	164,364,645	162,012,648	1.5%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	90	0	0.0%
Foreign Exchange	0	0	0.0%	469	560	-16.3%	0	0	0.0%	6,893	7,063	-2.4%
Ag Products	0	522,920	-100.0%	29,002,106	22,279,126	30.2%	1,460,502	7,911,649	-81.5%	256,072,799	270,761,666	-5.4%
<b>GRAND TOTAL</b>	<b>4,124,902</b>	<b>23,412,453</b>	<b>-82.4%</b>	<b>340,738,640</b>	<b>355,394,409</b>	<b>-4.1%</b>	<b>86,352,078</b>	<b>248,226,550</b>	<b>-65.2%</b>	<b>3,558,044,659</b>	<b>3,346,963,305</b>	<b>6.3%</b>

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