



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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	161,559	-100.0%	35,958,723	55,016,218	-34.64%	469,469	1,058,464	-55.6%	282,984,383	300,860,932	-5.9%
10-YR SWAP RATE	0	0	0.0%	13,184	55,780	-76.36%	0	0	0.0%	328,555	318,345	3.2%
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%	281	208	35.10%	0	0	0.0%	818	395	107.1%
20-YR SWAP RATE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	46	-100.0%
2-YR NOTE	0	1,681	-100.0%	11,889,310	24,179,873	-50.83%	261	18,256	-98.6%	93,263,555	113,688,622	-18.0%
2-YR SWAP RATE	0	0	0.0%	1,815	52,862	-96.57%	0	0	0.0%	77,350	370,168	-79.1%
30-YR BOND	0	20,736	-100.0%	9,854,016	12,086,872	-18.47%	55,491	144,432	-61.6%	61,642,925	58,797,661	4.8%
30-YR SWAP RATE	0	0	0.0%	19	508	-96.26%	0	0	0.0%	822	5,506	-85.1%
3-YR NOTE	0	-	-	124,677	-	-	0	-	-	187,248	-	-
3-YR SWAP RATE	0	0	0.0%	1,840	27,725	-93.36%	0	0	0.0%	21,663	123,716	-82.5%
4-YR SWAP RATE	0	0	0.0%	644	4,374	-85.28%	0	0	0.0%	10,037	84,915	-88.2%
5-YR NOTE	0	48,978	-100.0%	24,454,270	38,236,016	-36.04%	87,402	341,323	-74.4%	169,923,510	195,218,293	-13.0%
5-YR SWAP RATE	0	0	0.0%	24,259	78,158	-68.96%	0	0	0.0%	436,755	564,510	-22.6%
7-YR SWAP RATE	0	0	0.0%	649	1,432	-54.68%	0	0	0.0%	14,084	32,652	-56.9%
EURODOLLARS	91,899	1,002,728	-90.8%	28,429,547	70,653,666	-59.76%	2,711,580	6,489,670	-58.2%	376,109,129	493,034,474	-23.7%
FED FUND	0	0	0.0%	2,041,995	8,756,833	-76.68%	0	0	0.0%	45,582,391	61,667,695	-26.1%
SOFR	0	0	0.0%	867,081	826,150	4.95%	0	0	0.0%	6,886,689	4,976,812	38.4%
SONIA	0	0	0.0%	211,585	180,968	16.92%	0	0	0.0%	1,286,034	1,452,412	-11.5%
Ultra 10-Year Note	0	0	0.0%	6,584,945	8,608,967	-23.51%	0	0	0.0%	42,011,644	38,250,073	9.8%
ULTRA T-BOND	0	0	0.0%	6,041,009	6,942,950	-12.99%	0	66	-100.0%	33,421,826	31,392,187	6.5%

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<b>Interest Rate Options</b>												
10-YR NOTE	0	2,670,329	-100.0%	8,070,761	13,894,162	-41.91%	8,489,760	19,004,574	-55.3%	81,757,026	88,251,733	-7.4%
2-YR NOTE	0	164,619	-100.0%	30,310	315,876	-90.40%	273,359	1,176,067	-76.8%	1,693,621	2,767,602	-38.8%
30-YR BOND	0	440,149	-100.0%	2,499,294	3,866,019	-35.35%	891,042	2,483,619	-64.1%	18,936,349	20,800,054	-9.0%
5-YR NOTE	0	1,170,403	-100.0%	1,344,242	3,694,874	-63.62%	2,424,616	7,521,163	-67.8%	23,133,005	29,729,215	-22.2%
EURODOLLARS	1,194,172	15,818,669	-92.5%	2,661,354	9,378,117	-71.62%	49,323,768	115,530,422	-57.3%	98,749,424	66,560,139	48.4%
EURO MIDCURVE	1,506,408	4,913,893	-69.3%	2,620,287	4,839,833	-45.86%	14,316,479	57,853,923	-75.3%	41,854,716	46,794,103	-10.6%
FED FUND	0	1,450	-100.0%	0	4	-100.00%	3,100	19,800	-84.3%	7,821	1,815	330.9%
SOFR	0	-	-	0	-	-	10	-	-	1,012	-	-
Ultra 10-Year Note	0	9,356	-100.0%	4	0	0.00%	13,035	21,484	-39.3%	2,965	5,328	-44.4%
ULTRA T-BOND	0	20,608	-100.0%	170	2,935	-94.21%	10,870	136,334	-92.0%	2,651	13,004	-79.6%
<b>Equity Index Futures</b>												
BITCOIN FUTURES	0	0	0.0%	208,485	99,791	108.92%	0	0	0.0%	1,379,030	1,193,881	15.5%
DJ US REAL ESTATE	0	0	0.0%	17,797	15,932	11.71%	0	0	0.0%	273,120	178,355	53.1%
E-mini (\$5) Dow	0	0	0.0%	3,447,594	5,761,299	-40.16%	0	0	0.0%	42,358,438	36,239,952	16.9%
E-MINI COM SERVICES SELEC	0	0	0.0%	1,276	1,408	-9.38%	0	0	0.0%	16,295	20,097	-18.9%
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%	238,139	326,041	-26.96%	0	0	0.0%	2,909,644	2,637,357	10.3%
E-MINI NASDAQ 100	0	0	0.0%	9,516,478	13,360,015	-28.77%	0	0	0.0%	96,464,139	80,826,370	19.3%
E-MINI RUSSELL 1000	0	0	0.0%	1,135	3,074	-63.08%	0	0	0.0%	26,924	26,999	-0.3%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,056	3,897	-72.90%	0	0	0.0%	22,612	27,860	-18.8%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,628	8,342	-68.50%	0	0	0.0%	42,390	56,970	-25.6%
E-MINI RUSSELL 2000	0	0	0.0%	2,851,293	3,477,931	-18.02%	0	0	0.0%	34,232,655	23,796,325	43.9%
E-MINI S&P500	0	0	0.0%	26,658,084	44,538,024	-40.15%	0	0	0.0%	348,768,068	269,061,727	29.6%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	1,810	3,310	-45.32%	0	0	0.0%	42,898	20,529	109.0%
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%	20	1,435	-98.61%	0	0	0.0%	4,500	16,651	-73.0%
IBOVESPA INDEX	0	0	0.0%	357	907	-60.64%	0	0	0.0%	3,947	4,986	-20.8%
MICRO E-MINI NASDAQ 100	0	0	0.0%	12,797,950	6,603,515	93.81%	0	0	0.0%	100,588,916	16,989,488	492.1%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	1,579,494	1,008,239	56.66%	0	0	0.0%	16,249,439	2,567,434	532.9%

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<b>Equity Index Futures</b>												
MICRO E-MINI S&P500	0	0	0.0%	14,919,422	9,553,465	56.17%	0	0	0.0%	144,287,643	23,464,879	514.9%
MICRO MINI \$5 DOW	0	0	0.0%	1,445,056	1,613,300	-10.43%	0	0	0.0%	21,935,729	4,423,487	395.9%
NASDAQ BIOTECH	0	0	0.0%	177	191	-7.33%	0	0	0.0%	4,315	2,239	92.7%
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%	123,046	285,548	-56.91%	0	0	0.0%	1,689,313	1,778,003	-5.0%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	548,516	1,223,699	-55.18%	0	228	-100.0%	8,283,206	6,531,659	26.8%
S&P 500	0	8,132	-100.0%	54	2,644	-97.96%	33,712	166,436	-79.7%	19,077	12,301	55.1%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	11,549	7,603	51.90%	0	0	0.0%	194,425	78,668	147.1%
S&P 500/GI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	40	-100.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	26	360	-92.78%	0	0	0.0%	8,214	941	772.9%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	2,782	5,629	-50.58%	0	0	0.0%	49,758	53,304	-6.7%
S&P CONSUMER STAPLES SE	0	0	0.0%	6,165	5,937	3.84%	0	0	0.0%	82,851	78,654	5.3%
S&P ENERGY SECTOR	0	0	0.0%	7,498	10,273	-27.01%	0	0	0.0%	127,121	86,084	47.7%
S&P FINANCIAL SECTOR	0	0	0.0%	9,012	18,048	-50.07%	0	0	0.0%	135,427	136,658	-0.9%
S&P HEALTH CARE SECTOR	0	0	0.0%	6,181	8,486	-27.16%	0	0	0.0%	95,332	81,792	16.6%
S&P INDUSTRIAL SECTOR	0	0	0.0%	4,611	7,503	-38.54%	0	0	0.0%	63,254	58,845	7.5%
S&P MATERIALS SECTOR	0	0	0.0%	2,201	2,950	-25.39%	0	0	0.0%	37,182	45,443	-18.2%
S&P TECHNOLOGY SECTOR	0	0	0.0%	4,702	7,089	-33.67%	0	0	0.0%	75,175	76,231	-1.4%
S&P UTILITIES SECTOR	0	0	0.0%	9,447	13,023	-27.46%	0	0	0.0%	107,583	123,660	-13.0%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	48	-100.0%
YEN DENOMINATED TOPIX	0	0	0.0%	6,075	26,025	-76.66%	0	0	0.0%	58,639	151,114	-61.2%

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<b>Equity Index Options</b>												
BITCOIN FUTURES	0	-	-	1,609	-		0	-	-	7,368	-	-
E-mini (\$5) Dow	0	0	0.0%	2,522	4,661	-45.89%	0	0	0.0%	26,293	33,262	-21.0%
E-MINI NASDAQ 100	0	0	0.0%	341,907	295,303	15.78%	0	0	0.0%	2,624,759	1,710,985	53.4%
E-MINI RUSSELL 2000	0	0	0.0%	12,979	25,010	-48.10%	0	0	0.0%	142,742	109,182	30.7%
E-MINI S&P500	0	55	-100.0%	5,447,874	9,450,284	-42.35%	250	400	-37.5%	61,106,541	42,850,636	42.6%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	8,107	13,222	-38.69%	0	0	0.0%	69,191	72,025	-3.9%
EOM EMINI S&P	0	0	0.0%	1,180,251	3,333,755	-64.60%	0	0	0.0%	16,442,197	16,034,203	2.5%
EOM S&P 500	0	117,664	-100.0%	0	0	0.00%	303,360	1,019,036	-70.2%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	4,288	3,658	17.22%	0	0	0.0%	38,418	28,020	37.1%
EOW1 EMINI S&P 500	0	0	0.0%	921,358	1,206,293	-23.62%	0	0	0.0%	8,215,395	7,894,856	4.1%
EOW1 S&P 500	0	69,415	-100.0%	414	0	0.00%	157,788	536,902	-70.6%	414	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	3,683	4,402	-16.33%	0	0	0.0%	31,707	39,695	-20.1%
EOW2 EMINI S&P 500	0	0	0.0%	990,676	1,251,796	-20.86%	0	0	0.0%	8,719,717	8,078,721	7.9%
EOW2 S&P 500	0	119,470	-100.0%	57	0	0.00%	252,530	979,696	-74.2%	57	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	8,981	14,821	-39.40%	0	0	0.0%	149,178	92,121	61.9%
EOW3 EMINI S&P 500	0	0	0.0%	1,914,440	3,073,109	-37.70%	0	0	0.0%	19,863,625	19,053,613	4.3%
EOW3 S&P 500	0	110,674	-100.0%	266	0	0.00%	266,271	1,053,138	-74.7%	266	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	4,386	4,113	6.64%	0	0	0.0%	27,706	25,452	8.9%
EOW4 EMINI S&P 500	0	0	0.0%	826,856	1,315,697	-37.15%	0	0	0.0%	6,847,944	6,868,038	-0.3%
EOW4 S&P 500	0	-	-	410	-		0	-	-	410	-	-
MICRO E-MINI NASDAQ 100	0	-	-	51	-		0	-	-	51	-	-
MICRO E-MINI S&P500	0	-	-	257	-		0	-	-	257	-	-
S&P 500	0	290,442	-100.0%	0	0	0.00%	677,812	1,858,351	-63.5%	7,113	0	0.0%

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<b>Metals Futures</b>												
ALUMINUM	0	0	0.0%	8,048	3,562	125.94%	0	0	0.0%	33,893	8,130	316.9%
COMEX COPPER	0	0	0.0%	2,304,544	2,385,062	-3.38%	0	0	0.0%	16,607,830	16,925,892	-1.9%
COMEX E-Mini GOLD	0	0	0.0%	46,035	44,915	2.49%	0	0	0.0%	277,738	144,297	92.5%
COMEX E-Mini SILVER	0	0	0.0%	35,581	7,551	371.21%	0	0	0.0%	76,535	33,923	125.6%
COMEX GOLD	0	0	0.0%	7,644,956	9,294,106	-17.74%	0	0	0.0%	55,296,905	53,807,893	2.8%
COMEX MINY COPPER	0	0	0.0%	1,112	733	51.71%	0	0	0.0%	4,892	5,345	-8.5%
COMEX SILVER	0	0	0.0%	4,590,466	2,959,771	55.10%	0	0	0.0%	18,099,510	15,502,643	16.8%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	490	193	153.89%	0	0	0.0%	9,103	4,255	113.9%
GOLD	0	-	-	8,362	-	-	0	-	-	59,506	-	-
Gold Kilo	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HOT ROLLED COIL STEEL FUT	0	-	-	0	-	-	0	-	-	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	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%	4,081,164	889,807	358.66%	0	0	0.0%	14,098,804	2,967,222	375.2%
NYMEX HOT ROLLED STEEL	0	0	0.0%	2,985	1,499	99.13%	0	0	0.0%	38,538	27,701	39.1%
NYMEX PLATINUM	0	0	0.0%	292,578	482,794	-39.40%	0	0	0.0%	2,977,179	3,595,566	-17.2%
PALLADIUM	0	0	0.0%	48,921	129,050	-62.09%	0	0	0.0%	503,382	853,964	-41.1%
SILVER	0	0	0.0%	705,894	56,056	1,159.27%	0	0	0.0%	1,309,409	174,868	648.8%
URANIUM	0	0	0.0%	0	0	0.00%	0	0	0.0%	54	395	-86.3%

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<b>Metals Options</b>												
ALUMINUM	0	-	-	0	-		0	-	-	0	-	-
COMEX COPPER	0	0	0.0%	9,947	43,787	-77.28%	0	0	0.0%	219,026	346,039	-36.7%
COMEX GOLD	0	0	0.0%	866,871	1,644,794	-47.30%	0	0	0.0%	7,583,429	8,204,961	-7.6%
COMEX SILVER	0	0	0.0%	228,164	319,560	-28.60%	0	0	0.0%	1,486,638	1,226,861	21.2%
COPPER	0	0	0.0%	10	480	-97.92%	0	0	0.0%	2,673	1,255	113.0%
GOLD	0	0	0.0%	148,083	196,244	-24.54%	0	0	0.0%	1,156,344	940,872	22.9%
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%	245	2,736	-91.05%	0	0	0.0%	3,957	12,022	-67.1%
PALLADIUM	0	0	0.0%	34	390	-91.28%	0	0	0.0%	1,395	4,820	-71.1%
SILVER	0	0	0.0%	10,528	8,540	23.28%	0	0	0.0%	77,222	37,772	104.4%
<b>Energy Futures</b>												
3.5% FUEL OIL CID MED SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
3.5% FUEL OIL CIF BALMO S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	-	0	0.0%	-	0	0.00%	-	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 AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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%	1,253,571	2,241,059	-44.06%	0	0	0.0%	19,078,630	16,978,503	12.4%
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%	1	35	-97.14%	0	0	0.0%	178	509	-65.0%
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%
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	6	-100.00%	0	0	0.0%	60	129	-53.5%
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%	15,318,147	27,453,182	-44.20%	0	0	0.0%	202,449,630	199,135,136	1.7%
CRUDE OIL SPRDS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL TRADE AT MARKE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DAILY PJM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY	0	-	-	0	-	-	0	-	-	0	-	-
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%	11,629	9,459	22.94%	0	0	0.0%	235,604	68,701	242.9%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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%	170	4,336	-96.08%	0	0	0.0%	12,093	65,837	-81.6%
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	84	-100.00%	0	0	0.0%	286	816	-65.0%
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 AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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	1,913	-100.00%	0	0	0.0%	8,776	19,348	-54.6%
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%	2,801,999	3,187,525	-12.09%	0	0	0.0%	28,749,921	24,901,004	15.5%
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 AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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	-	-
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%	195,776	108,673	80.15%	0	0	0.0%	1,302,845	1,233,730	5.6%
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%	415	192	116.15%	0	0	0.0%	6,341	4,491	41.2%
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 AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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%	6	3	100.00%	0	0	0.0%	37	26	42.3%
MINY NATURAL GAS	0	0	0.0%	156,359	34,885	348.21%	0	0	0.0%	869,838	226,069	284.8%
MINY RBOB GAS	0	0	0.0%	4	13	-69.23%	0	0	0.0%	54	56	-3.6%
MINY WTI CRUDE OIL	0	0	0.0%	178,415	530,406	-66.36%	0	0	0.0%	5,696,038	3,739,038	52.3%
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%	3	37	-91.89%	0	0	0.0%	152	112	35.7%
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%	47,244	27,402	72.41%	0	0	0.0%	370,381	298,569	24.1%
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%	9,403,880	9,054,319	3.86%	0	0	0.0%	82,617,090	61,225,216	34.9%
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 AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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%	0	6	-100.00%	0	0	0.0%	26	14	85.7%
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 AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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 AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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%	3,469,634	3,465,573	0.12%	0	0	0.0%	31,274,433	32,849,575	-4.8%
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 AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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 SWAF	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%	60	1,170	-94.87%	0	0	0.0%	1,944	4,469	-56.5%
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%	3,207	57,498	-94.42%	0	0	0.0%	119,537	513,365	-76.7%
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%	4,900	21,050	-76.72%	0	0	0.0%	61,271	69,511	-11.9%
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

	Open Outcry AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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 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%	1,066,928	2,674,540	-60.11%	0	0	0.0%	17,812,227	19,111,220	-6.8%
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	-	-
HEATING OIL PHY	0	0	0.0%	1,903	4,123	-53.84%	0	0	0.0%	26,883	33,935	-20.8%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0.00%	0	0	0.0%	20	0	0.0%
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 1 M CSO FIN	0	0	0.0%	0	7,950	-100.00%	0	0	0.0%	2,501	11,520	-78.3%
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%	1,526	0	0.00%	0	0	0.0%	3,176	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%	1,143,555	912,013	25.39%	0	0	0.0%	10,820,900	7,150,316	51.3%
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%	6	80	-92.50%	0	0	0.0%	659	377	74.8%
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	4	-100.00%	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%
RBOB CRACK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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 Options</b>												
RBOB PHY	0	0	0.0%	2,546	2,939	-13.37%	0	0	0.0%	20,968	29,281	-28.4%
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%	330	1,400	-76.43%	0	0	0.0%	13,092	30,605	-57.2%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	1,200	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%	0	8	-100.00%	0	0	0.0%	77	117	-34.2%
AD/JY CROSS RATES	0	0	0.0%	1,389	3,259	-57.38%	0	0	0.0%	21,828	22,811	-4.3%
AD/NE CROSS RATES	0	0	0.0%	252	212	18.87%	0	0	0.0%	2,393	885	170.4%
AUSTRALIAN DOLLAR	0	0	0.0%	1,715,732	1,879,723	-8.72%	0	0	0.0%	17,210,868	16,894,303	1.9%
BP/JY CROSS RATES	0	0	0.0%	2,056	4,197	-51.01%	0	0	0.0%	26,545	22,534	17.8%
BP/SF CROSS RATES	0	0	0.0%	137	241	-43.15%	0	0	0.0%	3,533	3,462	2.1%
BRAZIL REAL	0	0	0.0%	182,783	221,401	-17.44%	0	0	0.0%	1,533,620	1,008,601	52.1%
BRITISH POUND	0	0	0.0%	1,963,640	2,330,557	-15.74%	0	0	0.0%	17,296,187	18,887,874	-8.4%
CANADIAN DOLLAR	0	0	0.0%	1,276,888	1,645,085	-22.38%	0	3	-100.0%	12,738,576	12,846,073	-0.8%
CD/JY CROSS RATES	0	0	0.0%	8	1	700.00%	0	0	0.0%	368	126	192.1%
CHINESE RENMINBI (CNH)	0	0	0.0%	21,380	37,560	-43.08%	0	0	0.0%	146,440	220,020	-33.4%
CZECK KORUNA (EC)	0	0	0.0%	3	0	0.00%	0	0	0.0%	24	18	33.3%
CZECK KORUNA (US)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EC/AD CROSS RATES	0	0	0.0%	2,837	2,968	-4.41%	0	0	0.0%	47,957	35,764	34.1%
EC/CD CROSS RATES	0	0	0.0%	2,167	1,636	32.46%	0	0	0.0%	34,300	22,990	49.2%
EC/NOK CROSS RATES	0	0	0.0%	5	722	-99.31%	0	0	0.0%	1,402	4,038	-65.3%
EC/SEK CROSS RATES	0	0	0.0%	69	259	-73.36%	0	0	0.0%	4,590	4,789	-4.2%
EFX/BP CROSS RATES	0	0	0.0%	25,552	76,711	-66.69%	0	0	0.0%	527,805	702,816	-24.9%
EFX/JY CROSS RATES	0	0	0.0%	17,877	63,341	-71.78%	0	0	0.0%	472,191	492,229	-4.1%
EFX/SF CROSS RATES	0	0	0.0%	15,161	31,881	-52.45%	0	0	0.0%	306,034	260,450	17.5%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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 Futures</b>												
E-MINI EURO FX	0	0	0.0%	164,580	84,969	93.69%	0	0	0.0%	1,228,256	771,877	59.1%
E-MINI JAPANESE YEN	0	0	0.0%	12,649	43,174	-70.70%	0	0	0.0%	193,112	130,407	48.1%
EURO FX	0	4	-100.0%	4,289,722	3,974,693	7.93%	36	57	-36.8%	36,390,889	33,955,749	7.2%
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%	6	0	0.00%	0	0	0.0%	73	8	812.5%
INDIAN RUPEE	0	0	0.0%	22,705	98,732	-77.00%	0	0	0.0%	215,121	572,170	-62.4%
JAPANESE YEN	0	0	0.0%	1,848,795	3,368,694	-45.12%	0	2	-100.0%	20,396,282	21,589,141	-5.5%
KOREAN WON	0	0	0.0%	243	522	-53.45%	0	0	0.0%	4,395	2,339	87.9%
MEXICAN PESO	0	0	0.0%	791,175	1,163,826	-32.02%	0	0	0.0%	9,227,432	10,097,722	-8.6%
MICRO AUD/USD	0	0	0.0%	228,441	100,077	128.27%	0	0	0.0%	1,985,603	893,344	122.3%
MICRO CAD/USD	0	0	0.0%	46,958	19,084	146.06%	0	0	0.0%	224,756	137,824	63.1%
MICRO CHF/USD	0	0	0.0%	4,136	6,084	-32.02%	0	0	0.0%	28,027	22,065	27.0%
MICRO EUR/USD	0	0	0.0%	652,308	218,126	199.05%	0	0	0.0%	3,758,632	1,958,012	92.0%
MICRO GBP/USD	0	0	0.0%	65,536	46,219	41.79%	0	0	0.0%	461,761	343,001	34.6%
MICRO INR/USD	0	0	0.0%	1,602	6,623	-75.81%	0	0	0.0%	18,353	40,190	-54.3%
MICRO JPY/USD	0	0	0.0%	27,335	43,529	-37.20%	0	0	0.0%	244,636	236,620	3.4%
NEW ZEALND DOLLAR	0	0	0.0%	588,574	525,129	12.08%	0	0	0.0%	5,072,175	4,598,110	10.3%
NKR/USD CROSS RATE	0	0	0.0%	1,681	5,679	-70.40%	0	0	0.0%	37,658	36,161	4.1%
POLISH ZLOTY (EC)	0	0	0.0%	12	13	-7.69%	0	0	0.0%	459	418	9.8%
POLISH ZLOTY (US)	0	0	0.0%	757	75	909.33%	0	0	0.0%	5,957	780	663.7%
RMB USD	0	0	0.0%	0	1	-100.00%	0	0	0.0%	4	6	-33.3%
RUSSIAN RUBLE	0	0	0.0%	79,136	75,398	4.96%	0	0	0.0%	901,231	524,477	71.8%
S.AFRICAN RAND	0	0	0.0%	66,628	83,416	-20.13%	0	0	0.0%	619,551	374,929	65.2%
SF/JY CROSS RATES	0	0	0.0%	5	0	0.00%	0	0	0.0%	228	7	3,157.1%
SHEKEL	0	0	0.0%	1	0	0.00%	0	0	0.0%	94	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	2,024	2,218	-8.75%	0	0	0.0%	29,458	19,852	48.4%
SWISS FRANC	0	0	0.0%	510,044	622,896	-18.12%	0	0	0.0%	4,770,375	4,411,983	8.1%
TURKISH LIRA	0	0	0.0%	34	4	750.00%	0	0	0.0%	52	60	-13.3%
USDZAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	20	-100.0%
<b>FX Options</b>												
AUD/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	2,776	-	-

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>FX Options</b>												
AUD/USD MONDAY OPTION W	0	-	-	234	-		0	-	-	1,492	-	-
AUD/USD MONDAY OPTION W	0	-	-	339	-		0	-	-	2,290	-	-
AUD/USD MONDAY OPTION W	0	-	-	191	-		0	-	-	1,166	-	-
AUD/USD MONDAY OPTION W	0	-	-	13	-		0	-	-	722	-	-
AUD/USD MONTHLY OPTIONS	0	0	0.0%	39,100	70,742	-44.73%	0	0	0.0%	621,645	541,269	14.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	905	-100.00%	0	0	0.0%	3,153	14,616	-78.4%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,550	4,183	-39.04%	0	0	0.0%	37,062	47,561	-22.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,432	4,825	-49.60%	0	0	0.0%	31,857	52,070	-38.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,413	3,998	-39.64%	0	0	0.0%	33,874	56,330	-39.9%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	3,015	-100.00%	0	0	0.0%	12,603	16,035	-21.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	867	1,461	-40.66%	0	0	0.0%	10,531	14,003	-24.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	507	1,306	-61.18%	0	0	0.0%	12,042	14,866	-19.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	121	562	-78.47%	0	0	0.0%	7,209	6,231	15.7%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	806	2,055	-60.78%	0	0	0.0%	11,474	10,064	14.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	4,219	3,824	10.3%
BRITISH POUND (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	0	57	-100.00%	0	0	0.0%	663	136	387.5%
CAD/USD MONDAY OPTIONS	0	-	-	0	-		0	-	-	2,359	-	-
CAD/USD MONDAY OPTIONS	0	-	-	735	-		0	-	-	1,364	-	-
CAD/USD MONDAY OPTIONS	0	-	-	857	-		0	-	-	4,728	-	-
CAD/USD MONDAY OPTIONS	0	-	-	672	-		0	-	-	4,513	-	-
CAD/USD MONDAY OPTIONS	0	-	-	2,224	-		0	-	-	3,085	-	-
CAD/USD MONTHLY OPTIONS	0	10	-100.0%	29,123	53,882	-45.95%	430	867	-50.4%	409,329	420,216	-2.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	1,071	-100.00%	0	0	0.0%	6,030	26,972	-77.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	8,013	5,892	36.00%	0	0	0.0%	57,656	54,382	6.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,557	5,392	21.61%	0	0	0.0%	51,498	75,400	-31.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,177	8,294	-37.58%	0	0	0.0%	56,558	82,545	-31.5%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	6,724	-100.00%	0	0	0.0%	25,272	23,565	7.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,263	3,111	-27.26%	0	0	0.0%	20,054	24,486	-18.1%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,814	1,148	58.01%	0	0	0.0%	14,855	26,160	-43.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,214	2,518	-51.79%	0	0	0.0%	15,956	24,358	-34.5%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,139	1,796	19.10%	0	0	0.0%	20,347	22,092	-7.9%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	7,730	7,133	8.4%
CANADIAN DOLLAR (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>FX Options</b>												
CHF/USD MONTHLY OPTIONS	0	0	0.0%	2,771	2,688	3.09%	0	0	0.0%	26,228	17,578	49.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	37	117	-68.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	206	256	-19.53%	0	0	0.0%	1,502	1,837	-29.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	156	7	2,128.57%	0	0	0.0%	1,004	1,419	-29.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	105	67	56.72%	0	0	0.0%	877	775	13.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	7	-100.00%	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	-	-	30	-	-	0	-	-	11,209	-	-
EUR/USD MONDAY OPTION W	0	-	-	1,027	-	-	0	-	-	7,324	-	-
EUR/USD MONDAY OPTION W	0	-	-	3,141	-	-	0	-	-	17,331	-	-
EUR/USD MONDAY OPTION W	0	-	-	2,916	-	-	0	-	-	16,579	-	-
EUR/USD MONDAY OPTION W	0	-	-	1,672	-	-	0	-	-	7,186	-	-
EUR/USD MONTHLY OPTIONS	0	415	-100.0%	199,455	433,018	-53.94%	1,550	8,768	-82.3%	2,371,534	2,981,988	-20.5%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	2	7,249	-99.97%	0	0	0.0%	11,075	85,987	-87.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	15,630	19,121	-18.26%	62	0	0.0%	166,103	208,604	-20.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	19,023	27,455	-30.71%	0	0	0.0%	173,886	238,274	-27.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	17,839	21,314	-16.30%	0	0	0.0%	180,770	298,561	-39.5%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	17,897	-100.00%	0	0	0.0%	59,845	80,249	-25.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	9,033	22,756	-60.30%	0	0	0.0%	77,623	106,307	-27.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	10,349	17,436	-40.65%	0	0	0.0%	68,278	105,363	-35.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	5,362	16,137	-66.77%	0	0	0.0%	67,195	95,251	-29.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,707	13,666	-43.60%	0	0	0.0%	61,429	108,289	-43.3%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	23,314	29,955	-22.2%
GBP/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	3,671	-	-
GBP/USD MONDAY OPTION W	0	-	-	83	-	-	0	-	-	2,646	-	-
GBP/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	4,333	-	-
GBP/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	5,595	-	-
GBP/USD MONDAY OPTION W	0	-	-	273	-	-	0	-	-	1,435	-	-
GBP/USD MONTHLY OPTIONS	0	44	-100.0%	62,326	78,462	-20.57%	64	824	-92.2%	665,669	953,434	-30.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	470	193	143.52%	0	0	0.0%	3,737	23,900	-84.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,330	6,163	-13.52%	0	0	0.0%	31,379	49,196	-36.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,225	2,925	78.63%	0	0	0.0%	28,961	56,886	-49.1%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>FX Options</b>												
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,429	3,579	-32.13%	0	0	0.0%	27,693	55,678	-50.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	4,863	-100.00%	0	0	0.0%	11,786	25,313	-53.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	904	1,576	-42.64%	0	0	0.0%	13,573	19,567	-30.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	253	1,284	-80.30%	0	0	0.0%	7,382	20,455	-63.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	500	1,449	-65.49%	0	0	0.0%	12,249	22,557	-45.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	466	1,331	-64.99%	0	0	0.0%	10,542	19,236	-45.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	5,534	7,357	-24.8%
JAPANESE YEN (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JPY/USD MONDAY OPTION WE	0	-	-	0	-	-	0	-	-	5,959	-	-
JPY/USD MONDAY OPTION WE	0	-	-	1,944	-	-	0	-	-	10,123	-	-
JPY/USD MONDAY OPTION WE	0	-	-	1,558	-	-	0	-	-	6,362	-	-
JPY/USD MONDAY OPTION WE	0	-	-	764	-	-	0	-	-	3,113	-	-
JPY/USD MONDAY OPTION WE	0	-	-	1,290	-	-	0	-	-	2,653	-	-
JPY/USD MONTHLY OPTIONS	0	0	0.0%	74,488	193,769	-61.56%	727	163	346.0%	1,027,717	1,147,112	-10.4%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	3,941	-100.00%	0	0	0.0%	5,689	44,503	-87.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	9,382	6,243	50.28%	0	0	0.0%	96,884	79,065	22.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	8,370	14,154	-40.86%	0	0	0.0%	103,101	115,393	-10.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,459	10,787	-40.12%	0	0	0.0%	95,267	119,455	-20.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	14,964	-100.00%	0	0	0.0%	36,879	46,282	-20.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,020	7,055	-57.19%	0	0	0.0%	43,935	34,253	28.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,774	4,434	-14.88%	0	0	0.0%	35,117	33,474	4.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,001	7,639	-47.62%	0	0	0.0%	40,373	30,292	33.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,625	10,799	-66.43%	0	0	0.0%	43,754	34,706	26.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	8,991	7,723	16.4%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	941	2,577	-63.48%	1,840	900	104.4%	11,242	11,476	-2.0%
MXN/USD WKLY FRIDAY OPTI	0	-	-	0	-	-	0	-	-	0	-	-
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	1,384	75	1,745.33%	0	0	0.0%	1,609	429	275.1%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	895	649	37.90%	0	0	0.0%	1,898	1,103	72.1%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	417	1	41,600.00%	0	0	0.0%	1,600	329	386.3%
MXN/USD WKLY FRIDAY OPTI	0	-	-	0	-	-	0	-	-	152	-	-
NZD/USD MONTHLY OPTIONS	0	0	0.0%	84	537	-84.36%	0	0	0.0%	4,635	3,323	39.5%
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%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	206	-100.0%

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<b>FX Options</b>												
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-		0	-	-	375	-	-
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-		0	-	-	0	-	-
<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%	269	564	-52.30%	0	0	0.0%	6,424	6,503	-1.2%
<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	5,078	4,685	8.39%	0	0	0.0%	46,927	32,763	43.2%
CASH-SETTLED CHEESE	0	0	0.0%	13,321	8,904	49.61%	0	0	0.0%	108,381	89,139	21.6%
CAT ASIA WEATHER	0	-	-	0	-		0	-	-	0	-	-
CATTLE	0	968	-100.0%	1,118,865	1,331,320	-15.96%	2,592	9,796	-73.5%	11,431,003	11,538,688	-0.9%
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	6,630	-100.0%	3,278,678	2,850,528	15.02%	12,092	59,117	-79.5%	22,951,191	22,333,260	2.8%
CLASS IV MILK	0	1	-100.0%	1,633	2,887	-43.44%	65	158	-58.9%	19,777	18,947	4.4%
COCOA TAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	8	-100.0%
COFFEE	0	-	-	2	-		0	-	-	2	-	-

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<b>Ag Products Futures</b>												
CORN	0	27,291	-100.0%	8,755,165	9,981,819	-12.29%	18,145	211,887	-91.4%	59,386,965	77,295,350	-23.2%
COTTON	0	0	0.0%	3	1	200.00%	0	0	0.0%	26	30	-13.3%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DOW-UBS COMMOD INDEX	0	0	0.0%	7,676	23,989	-68.00%	0	0	0.0%	219,096	366,123	-40.2%
DRY WHEY	0	0	0.0%	1,451	734	97.68%	0	0	0.0%	11,657	9,975	16.9%
FEEDER CATTLE	0	0	0.0%	268,779	363,903	-26.14%	54	178	-69.7%	2,203,304	2,545,490	-13.4%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	12,494	26,874	-53.51%	0	0	0.0%	125,152	227,774	-45.1%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	44	0	0.0%
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	781	-100.0%	749,748	1,213,479	-38.22%	1,940	13,935	-86.1%	8,735,658	10,769,622	-18.9%
HOUSING INDEX	0	0	0.0%	18	10	80.00%	0	0	0.0%	243	91	167.0%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	0	928	-100.0%	1,524,377	1,583,778	-3.75%	1,534	7,672	-80.0%	9,550,329	10,709,717	-10.8%
LUMBER	0	0	0.0%	23,986	13,519	77.42%	0	0	0.0%	113,647	113,206	0.4%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	37,595	24,548	53.15%	59	260	-77.3%	289,506	198,071	46.2%
MINI CORN	0	0	0.0%	26,899	20,987	28.17%	0	0	0.0%	169,550	122,520	38.4%
MINI SOYBEAN	0	0	0.0%	36,692	18,777	95.41%	0	0	0.0%	220,961	144,656	52.7%
MINI WHEAT	0	0	0.0%	13,654	11,517	18.56%	0	0	0.0%	103,550	54,149	91.2%
MLK MID OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NFD MILK	0	5	-100.0%	5,723	5,564	2.86%	0	19	-100.0%	68,588	50,765	35.1%
OATS	0	0	0.0%	8,979	7,989	12.39%	0	0	0.0%	91,740	106,346	-13.7%
PACIFIC RIM DAT SS WTHR	0	-	-	0	-		0	-	-	0	-	-
ROUGH RICE	0	0	0.0%	21,475	30,865	-30.42%	0	31	-100.0%	178,836	161,287	10.9%
SOYBEAN	0	5,141	-100.0%	4,276,466	3,618,707	18.18%	10,769	45,889	-76.5%	35,059,756	32,833,004	6.8%
SOYBEAN MEAL	0	1,885	-100.0%	2,179,140	2,192,632	-0.62%	1,333	7,111	-81.3%	18,903,894	18,283,719	3.4%
SOYBEAN OIL	0	390	-100.0%	2,280,601	2,599,055	-12.25%	4,078	4,428	-7.9%	21,298,184	19,466,996	9.4%
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%	10	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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>												
WHEAT	0	0	0.0%	2,944	1,185	148.44%	0	0	0.0%	8,989	6,911	30.1%
<b>Ag Products Options</b>												
AUG-NOV SOYBEAN CAL SPR	0	-	-	0	-	-	0	-	-	77	-	-
BUTTER CS	0	279	-100.0%	877	1,344	-34.75%	212	4,194	-94.9%	25,853	23,495	10.0%
CASH-SETTLED CHEESE	0	1,076	-100.0%	12,697	6,194	104.99%	7,734	13,071	-40.8%	95,223	64,907	46.7%
CATTLE	0	20,040	-100.0%	183,656	192,413	-4.55%	59,913	200,308	-70.1%	1,863,590	1,384,991	34.6%
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	105,939	-100.0%	673,978	541,952	24.36%	202,275	811,153	-75.1%	4,996,594	4,774,213	4.7%
CLASS IV MILK	0	192	-100.0%	2,051	2,802	-26.80%	1,082	3,409	-68.3%	42,466	28,521	48.9%
CORN	0	478,547	-100.0%	1,994,199	2,791,744	-28.57%	536,597	3,825,199	-86.0%	13,590,857	20,707,213	-34.4%
CORN NEARBY+2 CAL SPRD	0	6,255	-100.0%	17,144	950	1,704.63%	14,975	40,543	-63.1%	43,370	2,391	1,713.9%
DEC-DEC CORN CAL SPRD	0	3,058	-100.0%	351	51	588.24%	250	11,689	-97.9%	1,300	2,336	-44.3%
DEC-JULY CORN CAL SPRD	0	515	-100.0%	920	0	0.00%	175	17,921	-99.0%	2,581	24	10,654.2%
DEC-JULY WHEAT CAL SPRD	0	0	0.0%	960	0	0.00%	0	0	0.0%	1,470	0	0.0%
DRY WHEY	0	6	-100.0%	35	20	75.00%	119	710	-83.2%	4,152	5,823	-28.7%
FEEDER CATTLE	0	2,929	-100.0%	23,338	31,185	-25.16%	4,252	17,076	-75.1%	210,737	242,199	-13.0%
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	14,727	-100.0%	187,206	350,081	-46.52%	34,430	253,752	-86.4%	2,206,602	2,742,671	-19.5%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	7	-100.0%
Intercommodity Spread	0	0	0.0%	60	0	0.00%	7,987	1,000	698.7%	3,293	0	0.0%
JAN-MAR SOYBEAN CSO	0	-	-	10	-	-	0	-	-	20	-	-
JULY-DEC CORN CAL SPRD	0	174	-100.0%	2,000	0	0.00%	11,810	9,347	26.4%	7,125	1,100	547.7%
JULY-DEC SOYMEAL CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	-	-
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	0	100	-100.00%	4,950	5,931	-16.5%	8,997	290	3,002.4%
KC WHEAT	0	18,722	-100.0%	115,976	89,379	29.76%	36,570	190,964	-80.8%	772,802	583,294	32.5%
LUMBER	0	0	0.0%	1,268	1,452	-12.67%	0	70	-100.0%	7,614	14,855	-48.7%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2020	Open Outcry AUG 2019	% CHG	ELEC AUG 2020	ELEC AUG 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>												
LV CATL CSO	0	0	0.0%	0	0	0.00%	0	479	-100.0%	0	0	0.0%
MAR-DEC CORN CAL SPRD	0	-	-	0	-		505	-		0	-	
MAR-JULY CORN CAL SPRD	0	20	-100.0%	0	0	0.00%	2,500	40	6,150.0%	0	0	0.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	75	0	0.00%	0	0	0.0%	75	30	150.0%
MILK	0	1,183	-100.0%	35,030	34,293	2.15%	3,323	19,108	-82.6%	400,627	281,770	42.2%
MLK MID OPTIONS	0	4	-100.0%	0	0	0.00%	31	20	55.0%	86	194	-55.7%
NFD MILK	0	302	-100.0%	3,065	3,082	-0.55%	494	1,548	-68.1%	54,850	47,062	16.5%
NOV-JULY SOYBEAN CAL SPR	0	300	-100.0%	105	0	0.00%	0	1,050	-100.0%	105	2,500	-95.8%
NOV-MAR SOYBEAN CSO	0	0	0.0%	300	0	0.00%	100	20	400.0%	1,185	0	0.0%
NOV-NOV SOYBEAN CAL SPR	0	0	0.0%	60	0	0.00%	0	134	-100.0%	70	1,750	-96.0%
OATS	0	90	-100.0%	212	107	98.13%	720	2,209	-67.4%	1,288	1,821	-29.3%
ROUGH RICE	0	5,720	-100.0%	863	1,344	-35.79%	6,492	15,549	-58.2%	13,318	7,422	79.4%
SEP-DEC SOYBEAN MEAL CSC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SOYBEAN	0	127,985	-100.0%	1,327,005	827,579	60.35%	275,778	1,152,545	-76.1%	8,520,220	8,298,457	2.7%
SOYBEAN CRUSH	0	0	0.0%	100	0	0.00%	830	4	20,650.0%	1,620	0	0.0%
SOYBEAN MEAL	0	33,615	-100.0%	269,130	111,980	140.34%	84,223	261,541	-67.8%	1,630,949	1,032,486	58.0%
SOYBEAN OIL	0	27,606	-100.0%	167,680	112,125	49.55%	106,072	152,288	-30.3%	1,245,932	745,710	67.1%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	220	0	0.00%	335	3,500	-90.4%	835	2,000	-58.3%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0.00%	200	490	-59.2%	0	0	0.0%
WHEAT	0	0	0.0%	2,747	1,850	48.49%	16	4,916	-99.7%	6,794	4,166	63.1%
WHEAT-CORN ICSCO	0	0	0.0%	730	0	0.00%	70	2,680	-97.4%	4,068	0	0.0%
WHEAT NEARBY+2 CAL SPRD	0	100	-100.0%	270	0	0.00%	1,251	2,340	-46.5%	4,701	200	2,250.5%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	91,899	1,235,682	-92.6%	126,499,849	225,709,560	-44.0%	3,324,203	8,052,211	-58.7%	1,114,189,418	1,300,839,414	-14.3%
Equity Index Futures	0	8,132	-100.0%	74,430,116	88,004,933	-15.4%	33,712	166,664	-79.8%	820,637,461	470,850,450	74.3%
Metals Futures	0	0	0.0%	19,771,136	16,255,099	21.6%	0	0	0.0%	109,393,487	94,053,352	16.3%
Energy Futures	0	0	0.0%	32,837,313	46,120,278	-28.8%	0	0	0.0%	372,675,048	340,752,002	9.4%
FX Futures	0	4	-100.0%	14,633,023	16,788,943	-12.8%	36	62	-41.9%	136,189,317	132,147,172	3.1%
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	44,020	-100.0%	24,651,452	25,938,256	-5.0%	52,661	360,481	-85.4%	191,297,041	207,478,642	-7.8%
<b>TOTAL FUTURES</b>	<b>91,899</b>	<b>1,287,838</b>	<b>-92.9%</b>	<b>292,822,889</b>	<b>418,817,069</b>	<b>-30.1%</b>	<b>3,410,612</b>	<b>8,579,418</b>	<b>-60.2%</b>	<b>2,744,381,862</b>	<b>2,546,121,032</b>	<b>7.8%</b>

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	0	707,720	-100.0%	11,671,372	19,996,124	-41.6%	1,658,011	5,447,523	-69.6%	124,321,349	102,890,809	20.8%
Interest Rate Options	2,700,580	25,209,476	-89.3%	17,226,422	35,991,820	-52.1%	75,746,039	203,747,386	-62.8%	266,138,590	254,922,993	4.4%
Metals Options	0	0	0.0%	1,263,882	2,216,531	-43.0%	0	0	0.0%	10,530,684	10,774,602	-2.3%
Energy Options	0	0	0.0%	2,226,101	3,681,597	-39.5%	0	0	0.0%	28,882,448	26,960,681	7.1%
FX Options	0	469	-100.0%	607,440	1,161,460	-47.7%	4,673	11,522	-59.4%	7,271,010	8,888,378	-18.2%
Ag Products Options	0	849,384	-100.0%	5,024,318	5,102,027	-1.5%	1,407,841	7,028,248	-80.0%	35,773,652	41,003,898	-12.8%
Foreign Exchange Options	0	0	0.0%	269	564	-52.3%	0	0	0.0%	6,424	6,503	-1.2%
<b>TOTAL OPTIONS</b>	<b>2,700,580</b>	<b>26,767,049</b>	<b>-89.9%</b>	<b>38,019,804</b>	<b>68,150,123</b>	<b>-44.2%</b>	<b>78,816,564</b>	<b>216,234,679</b>	<b>-63.6%</b>	<b>472,924,157</b>	<b>445,447,864</b>	<b>6.2%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	2,792,479	26,445,158	-89.4%	143,726,271	261,701,380	-45.1%	79,070,242	211,799,597	-62.7%	1,380,328,008	1,555,762,407	-11.3%
Equity Index	0	715,852	-100.0%	86,101,488	108,001,057	-20.3%	1,691,723	5,614,187	-69.9%	944,958,810	573,741,259	64.7%
Metals	0	0	0.0%	21,035,018	18,471,630	13.9%	0	0	0.0%	119,924,171	104,827,954	14.4%
Energy	0	0	0.0%	35,063,414	49,801,875	-29.6%	0	0	0.0%	401,557,496	367,712,683	9.2%
FX	0	473	-100.0%	15,240,463	17,950,403	-15.1%	4,709	11,584	-59.3%	143,460,327	141,035,550	1.7%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	90	0	0.0%
Foreign Exchange	0	0	0.0%	269	564	-52.3%	0	0	0.0%	6,424	6,503	-1.2%
Ag Products	0	893,404	-100.0%	29,675,770	31,040,283	-4.4%	1,460,502	7,388,729	-80.2%	227,070,693	248,482,540	-8.6%
<b>GRAND TOTAL</b>	<b>2,792,479</b>	<b>28,054,887</b>	<b>-90.0%</b>	<b>330,842,693</b>	<b>486,967,192</b>	<b>-32.1%</b>	<b>82,227,176</b>	<b>224,814,097</b>	<b>-63.4%</b>	<b>3,217,306,019</b>	<b>2,991,568,896</b>	<b>7.5%</b>

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