



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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	181,752	-100.0%	34,661,027	55,127,143	-37.13%	469,469	633,909	-25.9%	204,352,200	184,673,581	10.7%
10-YR SWAP RATE	0	0	0.0%	30,343	27,031	12.25%	0	0	0.0%	258,977	176,293	46.9%
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%	108	31	248.39%	0	0	0.0%	462	151	206.0%
20-YR SWAP RATE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	46	-100.0%
2-YR NOTE	0	6,238	-100.0%	13,581,183	23,751,976	-42.82%	261	15,164	-98.3%	71,291,199	68,792,734	3.6%
2-YR SWAP RATE	0	0	0.0%	1,251	39,413	-96.83%	0	0	0.0%	68,922	179,168	-61.5%
30-YR BOND	0	23,773	-100.0%	7,861,920	9,538,134	-17.57%	55,491	95,204	-41.7%	41,268,977	35,194,394	17.3%
30-YR SWAP RATE	0	0	0.0%	0	636	-100.00%	0	0	0.0%	659	3,416	-80.7%
3-YR SWAP RATE	0	0	0.0%	195	8,986	-97.83%	0	0	0.0%	16,777	46,415	-63.9%
4-YR SWAP RATE	0	0	0.0%	523	28,369	-98.16%	0	0	0.0%	6,364	60,229	-89.4%
5-YR NOTE	0	31,017	-100.0%	24,780,937	36,993,347	-33.01%	87,402	163,263	-46.5%	122,666,652	119,713,875	2.5%
5-YR SWAP RATE	0	0	0.0%	47,461	73,185	-35.15%	0	0	0.0%	339,507	295,819	14.8%
7-YR SWAP RATE	0	0	0.0%	986	7,391	-86.66%	0	0	0.0%	12,004	21,775	-44.9%
EURODOLLARS	0	990,004	-100.0%	34,276,494	71,367,712	-51.97%	2,619,681	3,866,838	-32.3%	290,689,913	292,149,331	-0.5%
FED FUND	0	0	0.0%	4,063,267	9,212,525	-55.89%	0	0	0.0%	38,609,851	31,689,381	21.8%
SOFR	0	0	0.0%	604,009	677,757	-10.88%	0	0	0.0%	4,455,871	2,866,126	55.5%
SONIA	0	0	0.0%	159,440	189,522	-15.87%	0	0	0.0%	682,947	840,559	-18.8%
Ultra 10-Year Note	0	0	0.0%	6,160,434	6,947,921	-11.33%	0	0	0.0%	28,890,182	21,844,657	32.3%
ULTRA T-BOND	0	0	0.0%	5,314,325	6,531,478	-18.64%	0	66	-100.0%	22,098,475	19,448,626	13.6%
<b>Interest Rate Options</b>												
10-YR NOTE	0	3,327,715	-100.0%	6,179,230	12,707,110	-51.37%	8,489,760	11,925,615	-28.8%	57,632,943	53,184,670	8.4%
2-YR NOTE	0	232,005	-100.0%	208,525	446,703	-53.32%	273,359	740,696	-63.1%	1,478,162	1,659,821	-10.9%
30-YR BOND	0	421,496	-100.0%	1,626,827	3,167,653	-48.64%	891,042	1,624,793	-45.2%	12,277,932	12,280,611	0.0%
5-YR NOTE	0	1,264,306	-100.0%	2,532,037	4,967,557	-49.03%	2,424,616	4,510,664	-46.2%	18,078,360	18,127,878	-0.3%
EURODOLLARS	0	15,798,702	-100.0%	10,838,610	8,956,827	21.01%	48,129,596	64,922,954	-25.9%	86,523,600	33,096,095	161.4%
EURO MIDCURVE	0	9,905,948	-100.0%	5,777,159	8,671,929	-33.38%	12,810,071	39,215,569	-67.3%	26,270,827	31,207,949	-15.8%
FED FUND	0	0	0.0%	50	0	0.00%	3,100	250	1,140.0%	7,821	202	3,771.8%
SOFR	0	-	-	295	-	0.00%	10	-	-	787	-	-
Ultra 10-Year Note	0	4,331	-100.0%	0	0	0.00%	13,035	10,288	26.7%	2,961	5,328	-44.4%
ULTRA T-BOND	0	25,738	-100.0%	522	877	-40.48%	10,870	66,305	-83.6%	1,931	8,407	-77.0%

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<b>Equity Index Futures</b>												
BITCOIN FUTURES	0	0	0.0%	171,338	299,290	-42.75%	0	0	0.0%	877,802	773,860	13.4%
DJ US REAL ESTATE	0	0	0.0%	21,622	13,504	60.12%	0	0	0.0%	188,037	113,671	65.4%
E-mini (\$5) Dow	0	0	0.0%	4,351,873	5,883,586	-26.03%	0	0	0.0%	28,441,430	22,699,112	25.3%
E-MINI COM SERVICES SELEC	0	0	0.0%	1,182	1,357	-12.90%	0	0	0.0%	10,502	14,644	-28.3%
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	2	-100.00%	0	0	0.0%	0	698	-100.0%
E-MINI MIDCAP	0	0	0.0%	222,856	306,263	-27.23%	0	0	0.0%	1,862,731	1,612,854	15.5%
E-MINI NASDAQ 100	0	0	0.0%	9,122,924	12,780,507	-28.62%	0	0	0.0%	63,101,171	50,136,269	25.9%
E-MINI RUSSELL 1000	0	0	0.0%	1,225	6,932	-82.33%	0	0	0.0%	20,465	18,546	10.3%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	846	4,874	-82.64%	0	0	0.0%	13,478	14,426	-6.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,658	4,695	-43.39%	0	0	0.0%	24,052	35,310	-31.9%
E-MINI RUSSELL 2000	0	0	0.0%	4,015,984	3,196,380	25.64%	0	0	0.0%	21,574,245	14,250,813	51.4%
E-MINI S&P500	0	0	0.0%	35,133,950	41,691,362	-15.73%	0	0	0.0%	233,843,464	163,039,602	43.4%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	1,048	2,017	-48.04%	0	0	0.0%	35,731	13,575	163.2%
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%	50	2,420	-97.93%	0	0	0.0%	4,420	11,693	-62.2%
IBOVESPA INDEX	0	0	0.0%	388	209	85.65%	0	0	0.0%	3,106	3,149	-1.4%
MICRO E-MINI NASDAQ 100	0	0	0.0%	13,122,727	2,994,347	338.25%	0	0	0.0%	58,897,221	2,994,347	1,866.9%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	2,250,246	543,257	314.21%	0	0	0.0%	9,007,132	543,257	1,558.0%
MICRO E-MINI S&P500	0	0	0.0%	19,684,699	4,818,422	308.53%	0	0	0.0%	82,122,115	4,818,422	1,604.3%
MICRO MINI \$5 DOW	0	0	0.0%	2,571,390	943,066	172.66%	0	0	0.0%	13,904,182	943,066	1,374.4%
NASDAQ BIOTECH	0	0	0.0%	152	599	-74.62%	0	0	0.0%	2,802	1,338	109.4%
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%	109,851	257,193	-57.29%	0	0	0.0%	1,219,039	1,071,247	13.8%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	683,388	979,237	-30.21%	0	228	-100.0%	6,124,978	3,704,696	65.3%
S&P 500	0	6,738	-100.0%	1,481	2,430	-39.05%	33,712	89,925	-62.5%	16,643	7,937	109.7%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	14,295	12,329	15.95%	0	0	0.0%	137,888	47,225	192.0%
S&P 500/GI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	20	-100.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	2,059	20	10,195.00%	0	0	0.0%	5,182	521	894.6%
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%	2,490	5,813	-57.16%	0	0	0.0%	35,941	35,872	0.2%

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<b>Equity Index Futures</b>												
S&P CONSUMER STAPLES SE	0	0	0.0%	4,434	6,671	-33.53%	0	0	0.0%	44,089	48,385	-8.9%
S&P ENERGY SECTOR	0	0	0.0%	8,834	7,039	25.50%	0	0	0.0%	87,209	59,417	46.8%
S&P FINANCIAL SECTOR	0	0	0.0%	7,050	17,423	-59.54%	0	0	0.0%	87,093	79,689	9.3%
S&P HEALTH CARE SECTOR	0	0	0.0%	5,566	6,446	-13.65%	0	0	0.0%	66,359	52,046	27.5%
S&P INDUSTRIAL SECTOR	0	0	0.0%	3,560	5,941	-40.08%	0	0	0.0%	42,428	40,556	4.6%
S&P MATERIALS SECTOR	0	0	0.0%	2,173	5,409	-59.83%	0	0	0.0%	23,522	31,661	-25.7%
S&P TECHNOLOGY SECTOR	0	0	0.0%	3,234	8,441	-61.69%	0	0	0.0%	52,009	53,334	-2.5%
S&P UTILITIES SECTOR	0	0	0.0%	6,184	13,035	-52.56%	0	0	0.0%	72,778	84,861	-14.2%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	24	-100.0%
YEN DENOMINATED TOPIX	0	0	0.0%	5,082	31,706	-83.97%	0	0	0.0%	41,354	82,844	-50.1%
<b>Equity Index Options</b>												
BITCOIN FUTURES	0	-	-	1,631	-	-	0	-	-	3,141	-	-
E-mini (\$5) Dow	0	0	0.0%	2,923	3,618	-19.21%	0	0	0.0%	17,334	23,502	-26.2%
E-MINI NASDAQ 100	0	0	0.0%	247,300	248,407	-0.45%	0	0	0.0%	1,681,012	1,032,240	62.9%
E-MINI RUSSELL 2000	0	0	0.0%	28,278	18,583	52.17%	0	0	0.0%	98,974	60,080	64.7%
E-MINI S&P500	0	0	0.0%	5,992,928	7,224,771	-17.05%	250	345	-27.5%	42,194,900	24,012,168	75.7%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	12,780	14,138	-9.61%	0	0	0.0%	42,929	40,810	5.2%
EOM EMINI S&P	0	0	0.0%	1,669,716	2,859,243	-41.60%	0	0	0.0%	11,871,854	9,359,478	26.8%
EOM S&P 500	0	140,263	-100.0%	0	0	0.00%	303,360	641,771	-52.7%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	2,560	4,038	-36.60%	0	0	0.0%	26,924	14,701	83.1%
EOW1 EMINI S&P 500	0	0	0.0%	533,087	1,242,920	-57.11%	0	0	0.0%	5,579,537	4,371,057	27.6%
EOW1 S&P 500	0	22,861	-100.0%	0	0	0.00%	157,788	283,284	-44.3%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	4,553	7,404	-38.51%	0	0	0.0%	18,127	17,640	2.8%
EOW2 EMINI S&P 500	0	0	0.0%	724,745	1,647,803	-56.02%	0	0	0.0%	5,421,580	5,050,602	7.3%
EOW2 S&P 500	0	141,810	-100.0%	0	0	0.00%	252,530	676,222	-62.7%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	11,701	15,282	-23.43%	0	0	0.0%	103,564	53,703	92.8%
EOW3 EMINI S&P 500	0	0	0.0%	1,909,672	2,760,389	-30.82%	0	0	0.0%	13,810,884	12,029,713	14.8%
EOW3 S&P 500	0	117,967	-100.0%	0	0	0.00%	266,271	684,763	-61.1%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	5,049	5,318	-5.06%	0	0	0.0%	15,097	17,280	-12.6%
EOW4 EMINI S&P 500	0	0	0.0%	942,634	1,109,508	-15.04%	0	0	0.0%	4,012,360	4,802,087	-16.4%
S&P 500	0	198,571	-100.0%	1,960	0	0.00%	677,812	1,125,292	-39.8%	6,249	0	0.0%

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<b>Metals Futures</b>												
ALUMINUM	0	0	0.0%	1,914	777	146.33%	0	0	0.0%	13,982	3,857	262.5%
COMEX COPPER	0	0	0.0%	1,246,145	2,067,835	-39.74%	0	0	0.0%	10,166,446	10,427,658	-2.5%
COMEX E-Mini GOLD	0	0	0.0%	23,456	14,787	58.63%	0	0	0.0%	190,571	43,533	337.8%
COMEX E-Mini SILVER	0	0	0.0%	3,818	5,823	-34.43%	0	0	0.0%	22,331	16,503	35.3%
COMEX GOLD	0	0	0.0%	5,014,900	6,927,853	-27.61%	0	0	0.0%	36,252,358	28,266,724	28.3%
COMEX MINY COPPER	0	0	0.0%	312	435	-28.28%	0	0	0.0%	2,581	2,887	-10.6%
COMEX SILVER	0	0	0.0%	1,191,143	1,447,190	-17.69%	0	0	0.0%	9,118,283	7,912,443	15.2%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	1,176	666	76.58%	0	0	0.0%	7,266	2,967	144.9%
GOLD	0	-	-	1,771	-	-	0	-	-	45,462	-	-
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%	15	0	0.00%	0	0	0.0%	208	28	642.9%
LNDN ZINC	0	0	0.0%	0	108	-100.00%	0	0	0.0%	0	1,194	-100.0%
MICRO GOLD	0	0	0.0%	1,376,735	174,099	690.78%	0	0	0.0%	6,462,240	977,690	561.0%
NYMEX HOT ROLLED STEEL	0	0	0.0%	4,311	6,447	-33.13%	0	0	0.0%	29,448	19,660	49.8%
NYMEX PLATINUM	0	0	0.0%	233,094	394,386	-40.90%	0	0	0.0%	2,039,780	2,106,826	-3.2%
PALLADIUM	0	0	0.0%	37,375	124,788	-70.05%	0	0	0.0%	393,264	575,712	-31.7%
SILVER	0	0	0.0%	60,934	14,325	325.37%	0	0	0.0%	245,716	76,926	219.4%
URANIUM	0	0	0.0%	1	54	-98.15%	0	0	0.0%	36	361	-90.0%

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ALUMINUM	0	-	-	0	-		0	-	-	0	-	-
COMEX COPPER	0	0	0.0%	5,874	38,755	-84.84%	0	0	0.0%	186,579	202,688	-7.9%
COMEX GOLD	0	0	0.0%	565,799	867,456	-34.77%	0	0	0.0%	5,280,993	3,778,108	39.8%
COMEX SILVER	0	0	0.0%	129,307	110,521	17.00%	0	0	0.0%	906,326	522,871	73.3%
COPPER	0	0	0.0%	0	288	-100.00%	0	0	0.0%	2,663	504	428.4%
GOLD	0	0	0.0%	81,534	102,123	-20.16%	0	0	0.0%	755,680	394,880	91.4%
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%
NYMEX PLATINUM	0	0	0.0%	60	2,609	-97.70%	0	0	0.0%	2,837	7,648	-62.9%
PALLADIUM	0	0	0.0%	20	454	-95.59%	0	0	0.0%	1,334	2,949	-54.8%
SILVER	0	0	0.0%	3,044	4,345	-29.94%	0	0	0.0%	52,453	18,121	189.5%
<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%
BRENT FINANCIAL FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	2,003,100	3,064,869	-34.64%	0	0	0.0%	14,579,473	10,313,806	41.4%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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>												
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%	8	9	-11.11%	0	0	0.0%	170	474	-64.1%
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	0	0.00%	0	0	0.0%	60	90	-33.3%
CRUDE OIL	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	50	-100.0%
CRUDE OIL PHY	0	0	0.0%	20,848,301	27,963,696	-25.45%	0	0	0.0%	152,416,705	126,218,028	20.8%
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%	23,302	6,444	261.61%	0	0	0.0%	162,982	37,660	332.8%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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>												
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%	1,118	9,472	-88.20%	0	0	0.0%	11,124	49,193	-77.4%
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	48	-100.00%	0	0	0.0%	284	476	-40.3%
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%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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 (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%	222	2,986	-92.57%	0	0	0.0%	8,776	11,425	-23.2%
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 CLNDF	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST JET VS NYM 2 H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST NO.6 FUEL OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CALEND A	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CRACK SP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL 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%	3,182,749	3,733,707	-14.76%	0	0	0.0%	20,986,756	15,675,619	33.9%
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	0.00%	-	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%
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%

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	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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>												
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%	167,267	155,324	7.69%	0	0	0.0%	842,311	812,502	3.7%
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%	909	1,016	-10.53%	0	0	0.0%	4,967	2,221	123.6%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	15	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%
MINY HTG OIL	0	0	0.0%	1	3	-66.67%	0	0	0.0%	21	17	23.5%
MINY NATURAL GAS	0	0	0.0%	175,779	24,233	625.37%	0	0	0.0%	463,294	130,322	255.5%
MINY RBOB GAS	0	0	0.0%	10	6	66.67%	0	0	0.0%	38	30	26.7%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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 WTI CRUDE OIL	0	0	0.0%	622,263	512,407	21.44%	0	0	0.0%	4,817,032	2,067,558	133.0%
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%	36	5	620.00%	0	0	0.0%	102	40	155.0%
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%	37,172	29,580	25.67%	0	0	0.0%	250,563	198,440	26.3%
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%	9,671,656	6,867,912	40.82%	0	0	0.0%	55,420,530	35,325,834	56.9%
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%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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>												
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	0	0.00%	0	0	0.0%	16	0	0.0%
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%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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 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%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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 GASOLINE BALMO CLND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	3,108,618	4,541,669	-31.55%	0	0	0.0%	21,283,313	21,324,085	-0.2%
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%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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>												
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%	70	20	250.00%	0	0	0.0%	1,594	3,149	-49.4%
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	300	-100.00%	0	0	0.0%	0	300	-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%	1,685	105,021	-98.40%	0	0	0.0%	108,329	354,862	-69.5%
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%	11,075	14,000	-20.89%	0	0	0.0%	53,271	34,361	55.0%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	3	3	0.0%
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%	1,378,538	3,262,073	-57.74%	0	0	0.0%	13,725,291	11,278,274	21.7%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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>												
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%	898	5,124	-82.47%	0	0	0.0%	22,266	21,182	5.1%
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	0	0.00%	0	0	0.0%	2,401	2,870	-16.3%
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%	0	0	0.00%	0	0	0.0%	0	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%	1,226,083	726,799	68.70%	0	0	0.0%	7,595,437	4,241,341	79.1%
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%	37	67	-44.78%	0	0	0.0%	529	211	150.7%
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	10	-100.00%	0	0	0.0%	11	10	10.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB 1MO CAL SPD OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CRACK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	1,230	3,704	-66.79%	0	0	0.0%	14,628	17,749	-17.6%
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	17	-100.00%	0	0	0.0%	0	43	-100.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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>												
SHORT TERM NATURAL GAS	0	0	0.0%	0	4	-100.00%	0	0	0.0%	0	79	-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%	1,110	4,900	-77.35%	0	0	0.0%	10,110	26,555	-61.9%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	500	-100.00%	0	0	0.0%	0	8,600	-100.0%
<b>FX Futures</b>												
AD/CD CROSS RATES	0	0	0.0%	30	31	-3.23%	0	0	0.0%	75	102	-26.5%
AD/JY CROSS RATES	0	0	0.0%	2,269	4,258	-46.71%	0	0	0.0%	13,768	14,258	-3.4%
AD/NE CROSS RATES	0	0	0.0%	96	137	-29.93%	0	0	0.0%	1,777	378	370.1%
AUSTRALIAN DOLLAR	0	0	0.0%	1,727,068	2,186,851	-21.02%	0	0	0.0%	10,854,593	10,612,526	2.3%
BP/JY CROSS RATES	0	0	0.0%	4,461	3,162	41.08%	0	0	0.0%	18,588	11,277	64.8%
BP/SF CROSS RATES	0	0	0.0%	285	588	-51.53%	0	0	0.0%	2,344	2,024	15.8%
BRAZIL REAL	0	0	0.0%	153,375	130,232	17.77%	0	0	0.0%	923,385	532,575	73.4%
BRITISH POUND	0	0	0.0%	1,632,093	2,338,807	-30.22%	0	0	0.0%	10,698,395	12,104,461	-11.6%
CANADIAN DOLLAR	0	0	0.0%	1,115,676	1,734,369	-35.67%	0	3	-100.0%	8,334,674	7,896,454	5.5%
CD/JY CROSS RATES	0	0	0.0%	80	54	48.15%	0	0	0.0%	304	119	155.5%
CHINESE RENMINBI (CNH)	0	0	0.0%	16,062	31,669	-49.28%	0	0	0.0%	93,734	126,747	-26.0%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	14	10	40.0%
CZECK KORUNA (US)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EC/AD CROSS RATES	0	0	0.0%	2,466	2,504	-1.52%	0	0	0.0%	31,813	17,253	84.4%
EC/CD CROSS RATES	0	0	0.0%	1,523	2,107	-27.72%	0	0	0.0%	19,826	12,314	61.0%
EC/NOK CROSS RATES	0	0	0.0%	50	550	-90.91%	0	0	0.0%	1,291	2,222	-41.9%
EC/SEK CROSS RATES	0	0	0.0%	96	372	-74.19%	0	0	0.0%	2,905	2,355	23.4%
EFX/BP CROSS RATES	0	0	0.0%	35,726	73,164	-51.17%	0	0	0.0%	359,709	421,732	-14.7%
EFX/JY CROSS RATES	0	0	0.0%	28,289	45,292	-37.54%	0	0	0.0%	322,399	284,887	13.2%
EFX/SF CROSS RATES	0	0	0.0%	37,284	29,262	27.41%	0	0	0.0%	215,631	142,474	51.3%
E-MINI EURO FX	0	0	0.0%	131,896	90,736	45.36%	0	0	0.0%	711,503	458,101	55.3%
E-MINI JAPANESE YEN	0	0	0.0%	13,191	8,583	53.69%	0	0	0.0%	145,251	53,198	173.0%
EURO FX	0	8	-100.0%	3,029,687	3,863,157	-21.57%	36	39	-7.7%	21,825,601	20,643,023	5.7%
HUNGARIAN FORINT (EC)	0	0	0.0%	8	0	0.00%	0	0	0.0%	8	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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>												
HUNGARIAN FORINT (US)	0	0	0.0%	4	2	100.00%	0	0	0.0%	61	8	662.5%
INDIAN RUPEE	0	0	0.0%	17,811	50,778	-64.92%	0	0	0.0%	131,905	352,681	-62.6%
JAPANESE YEN	0	0	0.0%	1,463,267	3,217,543	-54.52%	0	0	0.0%	14,343,892	12,897,598	11.2%
KOREAN WON	0	0	0.0%	718	243	195.47%	0	0	0.0%	2,973	1,059	180.7%
MEXICAN PESO	0	0	0.0%	774,998	1,381,545	-43.90%	0	0	0.0%	6,200,541	6,426,005	-3.5%
MICRO AUD/USD	0	0	0.0%	260,096	109,083	138.44%	0	0	0.0%	1,088,312	610,910	78.1%
MICRO CAD/USD	0	0	0.0%	23,865	19,444	22.74%	0	0	0.0%	123,956	81,845	51.5%
MICRO CHF/USD	0	0	0.0%	1,832	1,787	2.52%	0	0	0.0%	16,972	8,969	89.2%
MICRO EUR/USD	0	0	0.0%	388,084	228,070	70.16%	0	0	0.0%	1,922,759	1,255,779	53.1%
MICRO GBP/USD	0	0	0.0%	65,290	30,393	114.82%	0	0	0.0%	257,962	224,901	14.7%
MICRO INR/USD	0	0	0.0%	1,557	3,793	-58.95%	0	0	0.0%	12,974	24,152	-46.3%
MICRO JPY/USD	0	0	0.0%	18,876	32,131	-41.25%	0	0	0.0%	160,096	140,276	14.1%
NEW ZEALND DOLLAR	0	0	0.0%	500,759	551,579	-9.21%	0	0	0.0%	3,130,264	2,855,699	9.6%
NKR/USD CROSS RATE	0	0	0.0%	2,572	4,130	-37.72%	0	0	0.0%	27,418	17,003	61.3%
POLISH ZLOTY (EC)	0	0	0.0%	1	8	-87.50%	0	0	0.0%	168	390	-56.9%
POLISH ZLOTY (US)	0	0	0.0%	344	60	473.33%	0	0	0.0%	2,931	454	545.6%
RMB USD	0	0	0.0%	0	3	-100.00%	0	0	0.0%	3	5	-40.0%
RUSSIAN RUBLE	0	0	0.0%	84,873	41,699	103.54%	0	0	0.0%	585,290	258,193	126.7%
S.AFRICAN RAND	0	0	0.0%	69,613	38,053	82.94%	0	0	0.0%	366,205	183,897	99.1%
SF/JY CROSS RATES	0	0	0.0%	8	0	0.00%	0	0	0.0%	165	7	2,257.1%
SHEKEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	90	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	2,186	1,455	50.24%	0	0	0.0%	18,877	11,520	63.9%
SWISS FRANC	0	0	0.0%	389,273	524,587	-25.79%	0	0	0.0%	3,167,957	2,523,717	25.5%
TURKISH LIRA	0	0	0.0%	5	0	0.00%	0	0	0.0%	18	8	125.0%
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	-	-	874	-	-	0	-	-	1,951	-	-
AUD/USD MONDAY OPTION W	0	-	-	596	-	-	0	-	-	1,027	-	-
AUD/USD MONDAY OPTION W	0	-	-	397	-	-	0	-	-	806	-	-
AUD/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	180	-	-
AUD/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	103	-	-

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>FX Options</b>												
AUD/USD MONTHLY OPTIONS	0	0	0.0%	82,442	85,152	-3.18%	0	0	0.0%	470,718	364,541	29.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	138	0	0.00%	0	0	0.0%	3,153	8,103	-61.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,797	18,595	-90.34%	0	0	0.0%	26,972	33,425	-19.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,856	8,031	-51.99%	0	0	0.0%	22,858	34,667	-34.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,708	11,662	-59.63%	0	0	0.0%	23,991	42,461	-43.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,783	4,898	-2.35%	0	0	0.0%	10,547	12,708	-17.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	2,432	1,635	48.75%	0	0	0.0%	8,406	9,583	-12.3%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	2,596	1,629	59.36%	0	0	0.0%	8,067	10,679	-24.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	869	1,320	-34.17%	0	0	0.0%	6,070	5,169	17.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,487	845	75.98%	0	0	0.0%	9,380	6,709	39.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	1,341	-100.00%	0	0	0.0%	3,619	2,012	79.9%
BRITISH POUND (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	234	54	333.33%	0	0	0.0%	340	54	529.6%
CAD/USD MONDAY OPTIONS	0	-	-	1,144	-	-	0	-	-	1,650	-	-
CAD/USD MONDAY OPTIONS	0	-	-	1	-	-	0	-	-	102	-	-
CAD/USD MONDAY OPTIONS	0	-	-	229	-	-	0	-	-	620	-	-
CAD/USD MONDAY OPTIONS	0	-	-	0	-	-	0	-	-	246	-	-
CAD/USD MONDAY OPTIONS	0	-	-	0	-	-	0	-	-	102	-	-
CAD/USD MONTHLY OPTIONS	0	250	-100.0%	49,505	53,915	-8.18%	430	581	-26.0%	272,298	288,536	-5.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	65	0	0.00%	0	0	0.0%	6,030	18,330	-67.1%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,641	12,114	-86.45%	0	0	0.0%	30,541	34,579	-11.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,718	10,334	-34.99%	0	0	0.0%	32,725	51,634	-36.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	7,678	9,484	-19.04%	0	0	0.0%	36,719	55,970	-34.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	7,653	6,332	20.86%	0	0	0.0%	19,083	16,590	15.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	4,087	2,183	87.22%	0	0	0.0%	11,207	14,658	-23.5%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,065	3,475	-40.58%	0	0	0.0%	10,688	16,467	-35.1%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,360	3,394	-59.93%	0	0	0.0%	9,853	14,585	-32.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	4,500	4,041	11.36%	0	0	0.0%	14,146	14,702	-3.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	2,911	-100.00%	0	0	0.0%	5,417	4,671	16.0%
CANADIAN DOLLAR (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	2,837	2,082	36.26%	0	0	0.0%	18,695	9,040	106.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	37	108	-65.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	172	23	647.83%	0	0	0.0%	831	1,178	-29.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	2	15	-86.67%	0	0	0.0%	692	634	9.1%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>FX Options</b>												
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	227	60	278.33%	0	0	0.0%	742	588	26.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	11	3	266.67%	0	0	0.0%	853	604	41.2%
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	-	-	1,212	-	-	0	-	-	3,207	-	-
EUR/USD MONDAY OPTION W	0	-	-	907	-	-	0	-	-	2,279	-	-
EUR/USD MONDAY OPTION W	0	-	-	1,184	-	-	0	-	-	3,262	-	-
EUR/USD MONDAY OPTION W	0	-	-	1,779	-	-	0	-	-	3,542	-	-
EUR/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	1,609	-	-
EUR/USD MONTHLY OPTIONS	0	1,115	-100.0%	206,466	341,575	-39.55%	1,550	6,963	-77.7%	1,648,110	1,787,554	-7.8%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	491	0	0.00%	0	0	0.0%	11,073	53,630	-79.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,918	36,028	-86.35%	62	0	0.0%	103,544	134,684	-23.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	17,153	27,743	-38.17%	0	0	0.0%	112,951	156,217	-27.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	18,989	35,352	-46.29%	0	0	0.0%	117,974	211,956	-44.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	17,480	28,448	-38.55%	0	0	0.0%	40,757	62,179	-34.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	8,747	7,548	15.89%	0	0	0.0%	46,215	47,593	-2.9%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	5,380	10,734	-49.88%	0	0	0.0%	43,564	61,295	-28.9%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,420	12,875	-65.67%	0	0	0.0%	38,392	56,814	-32.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,829	12,927	-62.64%	0	0	0.0%	37,786	62,334	-39.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	8,685	-100.00%	0	0	0.0%	14,285	20,373	-29.9%
GBP/USD MONDAY OPTION W	0	-	-	1,479	-	-	0	-	-	2,273	-	-
GBP/USD MONDAY OPTION W	0	-	-	872	-	-	0	-	-	1,339	-	-
GBP/USD MONDAY OPTION W	0	-	-	1,678	-	-	0	-	-	2,207	-	-
GBP/USD MONDAY OPTION W	0	-	-	1,633	-	-	0	-	-	2,555	-	-
GBP/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	401	-	-
GBP/USD MONTHLY OPTIONS	0	16	-100.0%	65,388	115,758	-43.51%	64	699	-90.8%	448,436	691,331	-35.1%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	12	0	0.00%	0	0	0.0%	3,267	19,765	-83.5%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,811	12,470	-77.46%	0	0	0.0%	19,015	35,038	-45.7%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,606	6,077	-24.21%	0	0	0.0%	16,988	43,884	-61.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,705	4,501	4.53%	0	0	0.0%	20,899	42,637	-51.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,233	4,244	-70.95%	0	0	0.0%	7,929	19,127	-58.5%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,174	1,268	71.45%	0	0	0.0%	11,486	14,438	-20.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,156	3,646	-40.87%	0	0	0.0%	5,848	16,682	-64.9%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>FX Options</b>												
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,868	1,795	4.07%	0	0	0.0%	8,975	19,407	-53.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	4,383	1,596	174.62%	0	0	0.0%	8,958	16,454	-45.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	744	-100.00%	0	0	0.0%	5,190	6,004	-13.6%
JAPANESE YEN (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JPY/USD MONDAY OPTION WE	0	-	-	211	-	-	0	-	-	2,479	-	-
JPY/USD MONDAY OPTION WE	0	-	-	1,760	-	-	0	-	-	2,969	-	-
JPY/USD MONDAY OPTION WE	0	-	-	552	-	-	0	-	-	1,592	-	-
JPY/USD MONDAY OPTION WE	0	-	-	0	-	-	0	-	-	1,235	-	-
JPY/USD MONDAY OPTION WE	0	-	-	0	-	-	0	-	-	152	-	-
JPY/USD MONTHLY OPTIONS	0	5	-100.0%	72,261	183,831	-60.69%	727	40	1,717.5%	768,901	703,049	9.4%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	5	0	0.00%	0	0	0.0%	5,689	28,655	-80.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	2,488	18,899	-86.84%	0	0	0.0%	61,318	52,199	17.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	11,518	18,128	-36.46%	0	0	0.0%	76,109	77,522	-1.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	11,493	19,127	-39.91%	0	0	0.0%	64,526	86,360	-25.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	9,449	15,204	-37.85%	0	0	0.0%	25,863	30,161	-14.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,602	2,854	26.21%	0	0	0.0%	31,974	16,178	97.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	1,766	4,855	-63.63%	0	0	0.0%	22,525	21,335	5.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,792	5,377	-48.08%	0	0	0.0%	29,395	15,926	84.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,384	2,348	86.71%	0	0	0.0%	33,783	17,277	95.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	3,185	-100.00%	0	0	0.0%	6,294	4,972	26.6%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	1,273	1,225	3.92%	1,840	900	104.4%	7,459	6,304	18.3%
MXN/USD WKLY FRIDAY OPTI	0	-	-	0	-	-	0	-	-	0	-	-
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	1	-100.00%	0	0	0.0%	0	148	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	1	298	-99.66%	0	0	0.0%	2	298	-99.3%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	225	2	11,150.00%	0	0	0.0%	810	2	40,400.0%
MXN/USD WKLY FRIDAY OPTI	0	-	-	93	-	-	0	-	-	143	-	-
NZD/USD MONTHLY OPTIONS	0	0	0.0%	6	120	-95.00%	0	0	0.0%	4,357	2,127	104.8%
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%
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-	-	0	-	-	375	-	-
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-	-	0	-	-	0	-	-

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Ags Futures</b>												
FERTILIZER PRODUCTS	0	0	0.0%	10	0	0.00%	0	0	0.0%	85	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%	1,468	982	49.49%	0	0	0.0%	5,184	5,006	3.6%
<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	4,132	4,259	-2.98%	0	0	0.0%	34,408	19,271	78.5%
CASH-SETTLED CHEESE	0	0	0.0%	12,743	8,916	42.92%	0	0	0.0%	73,089	57,623	26.8%
CAT ASIA WEATHER	0	-	-	0	-	-	0	-	-	0	-	-
CATTLE	0	2,005	-100.0%	1,497,201	1,753,377	-14.61%	2,592	8,506	-69.5%	7,947,943	7,756,471	2.5%
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%	0	0	0.0%
CHI WHEAT	0	8,823	-100.0%	1,859,063	2,861,712	-35.04%	12,092	40,549	-70.2%	13,756,254	13,754,102	0.0%
CLASS IV MILK	0	0	0.0%	1,960	2,117	-7.42%	65	105	-38.1%	15,907	12,895	23.4%
COCOA TAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COFFEE	0	-	-	0	-	-	0	-	-	0	-	-
CORN	0	46,553	-100.0%	4,395,186	13,294,723	-66.94%	18,145	127,189	-85.7%	33,884,294	46,665,880	-27.4%
COTTON	0	0	0.0%	8	6	33.33%	0	0	0.0%	23	9	155.6%
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%	6,213	44,812	-86.14%	0	0	0.0%	135,411	201,247	-32.7%
DRY WHEY	0	0	0.0%	990	1,482	-33.20%	0	0	0.0%	8,056	7,153	12.6%
FEEDER CATTLE	0	81	-100.0%	181,226	337,555	-46.31%	54	90	-40.0%	1,443,791	1,597,653	-9.6%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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<b>Ag Products Futures</b>												
GOLDMAN SACHS	0	0	0.0%	14,026	28,163	-50.20%	0	0	0.0%	88,960	145,594	-38.9%
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	3,000	-100.0%	995,195	1,429,563	-30.38%	1,940	10,739	-81.9%	5,891,962	6,578,686	-10.4%
HOUSING INDEX	0	0	0.0%	12	3	300.00%	0	0	0.0%	195	69	182.6%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	0	1,189	-100.0%	767,538	1,371,365	-44.03%	1,534	5,958	-74.3%	5,752,362	6,517,958	-11.7%
LUMBER	0	0	0.0%	7,353	13,444	-45.31%	0	0	0.0%	62,286	70,784	-12.0%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	7	-100.0%	38,908	24,456	59.09%	59	107	-44.9%	173,436	125,802	37.9%
MINI CORN	0	0	0.0%	16,953	26,659	-36.41%	0	0	0.0%	96,185	57,355	67.7%
MINI SOYBEAN	0	0	0.0%	18,970	24,729	-23.29%	0	0	0.0%	124,954	87,621	42.6%
MINI WHEAT	0	0	0.0%	13,890	7,085	96.05%	0	0	0.0%	64,667	24,769	161.1%
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%	5,692	7,074	-19.54%	0	0	0.0%	51,109	34,845	46.7%
OATS	0	0	0.0%	10,009	13,734	-27.12%	0	0	0.0%	58,546	68,342	-14.3%
PACIFIC RIM DAT SS WTHR	0	-	-	0	-		0	-	-	0	-	-
ROUGH RICE	0	0	0.0%	11,049	17,349	-36.31%	0	31	-100.0%	121,631	92,589	31.4%
SOYBEAN	0	9,677	-100.0%	3,130,756	4,891,064	-35.99%	10,769	31,499	-65.8%	21,552,393	20,048,246	7.5%
SOYBEAN MEAL	0	898	-100.0%	1,421,801	2,586,668	-45.03%	1,333	3,618	-63.2%	11,871,826	11,460,938	3.6%
SOYBEAN OIL	0	75	-100.0%	1,735,490	2,344,588	-25.98%	4,078	3,386	20.4%	13,835,888	12,004,941	15.3%
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SUGAR 11	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WHEAT	0	0	0.0%	791	285	177.54%	0	0	0.0%	2,369	4,380	-45.9%
<b>Ag Products Options</b>												
BUTTER CS	0	78	-100.0%	3,797	5,126	-25.93%	212	3,613	-94.1%	20,907	18,349	13.9%
CASH-SETTLED CHEESE	0	598	-100.0%	9,785	9,062	7.98%	7,734	10,054	-23.1%	57,416	43,496	32.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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>												
CATTLE	0	40,237	-100.0%	271,175	222,476	21.89%	59,913	152,142	-60.6%	1,331,185	928,364	43.4%
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%
CHI WHEAT	0	111,799	-100.0%	493,610	742,010	-33.48%	202,275	500,166	-59.6%	3,053,411	3,073,906	-0.7%
CLASS IV MILK	0	216	-100.0%	3,606	2,809	28.37%	1,082	2,654	-59.2%	33,680	18,956	77.7%
CORN	0	845,735	-100.0%	1,270,646	4,859,236	-73.85%	536,597	2,163,605	-75.2%	7,449,364	11,366,143	-34.5%
CORN NEARBY+2 CAL SPRD	0	6,955	-100.0%	815	0	0.00%	14,975	15,550	-3.7%	5,165	1	516,400.0%
DEC-DEC CORN CAL SPRD	0	2,807	-100.0%	46	2,260	-97.96%	250	5,554	-95.5%	774	2,260	-65.8%
DEC-JULY CORN CAL SPRD	0	7,608	-100.0%	51	22	131.82%	175	14,518	-98.8%	51	22	131.8%
DEC-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DRY WHEY	0	219	-100.0%	613	1,433	-57.22%	119	507	-76.5%	3,187	4,941	-35.5%
FEEDER CATTLE	0	4,467	-100.0%	23,128	43,232	-46.50%	4,252	9,294	-54.3%	152,973	150,102	1.9%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	0	36,028	-100.0%	222,230	330,595	-32.78%	34,430	199,014	-82.7%	1,559,761	1,621,897	-3.8%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Intercommodity Spread	0	320	-100.0%	45	0	0.00%	7,987	1,000	698.7%	313	0	0.0%
JULY-DEC CORN CAL SPRD	0	500	-100.0%	615	0	0.00%	11,810	7,045	67.6%	5,125	1,100	365.9%
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%	356	0	0.00%	1,520	1,350	12.6%	1,721	0	0.0%
JULY-JULY WHEAT CAL SPRD	0	-	-	0	-	-	50	-	-	70	-	-
JULY-NOV SOYBEAN CAL SPR	0	1,965	-100.0%	820	0	0.00%	4,950	5,931	-16.5%	2,422	190	1,174.7%
KC WHEAT	0	31,901	-100.0%	74,256	98,570	-24.67%	36,570	107,931	-66.1%	460,862	353,054	30.5%
LUMBER	0	0	0.0%	249	1,544	-83.87%	0	70	-100.0%	5,004	9,500	-47.3%
LV CATL CSO	0	20	-100.0%	0	0	0.00%	0	439	-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	0	0.0%	0	0	0.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	30	-100.0%
MILK	0	2,292	-100.0%	60,498	38,549	56.94%	3,323	12,784	-74.0%	249,644	177,728	40.5%
MLK MID OPTIONS	0	0	0.0%	4	24	-83.33%	31	8	287.5%	17	176	-90.3%
NFD MILK	0	46	-100.0%	3,069	3,591	-14.54%	494	620	-20.3%	43,663	36,306	20.3%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	2,200	-100.00%	0	750	-100.0%	0	2,250	-100.0%
NOV-MAR SOYBEAN CSO	0	20	-100.0%	50	0	0.00%	100	20	400.0%	800	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2020	Open Outcry MAY 2019	% CHG	ELEC MAY 2020	ELEC MAY 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>												
NOV-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	114	-100.0%	0	0	0.0%
OATS	0	61	-100.0%	87	248	-64.92%	720	1,893	-62.0%	773	1,441	-46.4%
ROUGH RICE	0	1,070	-100.0%	2,989	993	201.01%	6,492	6,354	2.2%	9,591	4,386	118.7%
SEP-DEC SOYBEAN MEAL CSC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SOYBEAN	0	196,437	-100.0%	772,724	1,845,280	-58.12%	275,778	741,254	-62.8%	4,603,256	5,283,776	-12.9%
SOYBEAN CRUSH	0	0	0.0%	145	0	0.00%	830	4	20,650.0%	492	0	0.0%
SOYBEAN MEAL	0	42,869	-100.0%	122,200	206,102	-40.71%	84,223	173,135	-51.4%	944,666	642,074	47.1%
SOYBEAN OIL	0	32,023	-100.0%	102,159	109,849	-7.00%	106,072	98,671	7.5%	815,605	471,893	72.8%
SOYBN NEARBY+2 CAL SPRD	0	3,500	-100.0%	0	2,000	-100.00%	335	3,500	-90.4%	545	2,000	-72.8%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0.00%	200	465	-57.0%	0	0	0.0%
WHEAT	0	1,366	-100.0%	265	465	-43.01%	16	4,816	-99.7%	2,858	2,003	42.7%
WHEAT-CORN ICSCO	0	40	-100.0%	600	0	0.00%	70	2,530	-97.2%	1,710	0	0.0%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	1,000	0	0.00%	1,251	2,040	-38.7%	1,926	200	863.0%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	0	1,232,784	-100.0%	131,543,903	220,522,557	-40.3%	3,232,304	4,774,444	-32.3%	825,709,939	777,996,576	6.1%
Equity Index Futures	0	6,738	-100.0%	91,536,839	74,852,222	22.3%	33,712	90,153	-62.6%	521,990,798	267,439,695	95.2%
Metals Futures	0	0	0.0%	9,197,100	11,179,573	-17.7%	0	0	0.0%	64,989,972	50,434,969	28.9%
Energy Futures	0	0	0.0%	39,842,596	46,913,406	-15.1%	0	0	0.0%	271,250,802	212,171,621	27.8%
FX Futures	0	8	-100.0%	11,997,743	16,782,271	-28.5%	36	42	-14.3%	86,139,377	81,213,586	6.1%
Ags Futures	0	0	0.0%	10	0	0.0%	0	0	0.0%	85	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	72,308	-100.0%	16,147,155	31,095,188	-48.1%	52,661	231,777	-77.3%	117,048,014	127,395,223	-8.1%
<b>TOTAL FUTURES</b>	<b>0</b>	<b>1,311,838</b>	<b>-100.0%</b>	<b>300,265,346</b>	<b>401,345,217</b>	<b>-25.2%</b>	<b>3,318,713</b>	<b>5,096,416</b>	<b>-34.9%</b>	<b>1,887,128,987</b>	<b>1,516,651,670</b>	<b>24.4%</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	621,472	-100.0%	12,091,517	17,161,422	-29.5%	1,658,011	3,411,677	-51.4%	84,904,466	60,885,061	39.5%
Interest Rate Options	0	30,980,241	-100.0%	27,163,255	38,918,656	-30.2%	73,045,459	123,017,134	-40.6%	202,275,324	149,570,961	35.2%
Metals Options	0	0	0.0%	785,638	1,126,551	-30.3%	0	0	0.0%	7,188,865	4,927,769	45.9%
Energy Options	0	0	0.0%	2,620,656	4,122,519	-36.4%	0	0	0.0%	21,532,296	15,986,440	34.7%
FX Options	0	1,386	-100.0%	709,936	1,194,996	-40.6%	4,673	9,183	-49.1%	5,013,781	5,715,294	-12.3%
Ag Products Options	0	1,371,177	-100.0%	3,441,633	8,527,676	-59.6%	1,407,841	4,249,395	-66.9%	20,818,937	24,216,544	-14.0%
Foreign Exchange Options	0	0	0.0%	1,468	982	49.5%	0	0	0.0%	5,184	5,006	3.6%
<b>TOTAL OPTIONS</b>	<b>0</b>	<b>32,974,276</b>	<b>-100.0%</b>	<b>46,814,103</b>	<b>71,052,802</b>	<b>-34.1%</b>	<b>76,115,984</b>	<b>130,687,389</b>	<b>-41.8%</b>	<b>341,738,853</b>	<b>261,307,075</b>	<b>30.8%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	0	32,213,025	-100.0%	158,707,158	259,441,213	-38.8%	76,277,763	127,791,578	-40.3%	1,027,985,263	927,567,537	10.8%
Equity Index	0	628,210	-100.0%	103,628,356	92,013,644	12.6%	1,691,723	3,501,830	-51.7%	606,895,264	328,324,756	84.8%
Metals	0	0	0.0%	9,982,738	12,306,124	-18.9%	0	0	0.0%	72,178,837	55,362,738	30.4%
Energy	0	0	0.0%	42,463,252	51,035,925	-16.8%	0	0	0.0%	292,783,098	228,158,061	28.3%
FX	0	1,394	-100.0%	12,707,679	17,977,267	-29.3%	4,709	9,225	-49.0%	91,153,158	86,928,880	4.9%
Ags	0	0	0.0%	10	0	0.0%	0	0	0.0%	85	0	0.0%
Foreign Exchange	0	0	0.0%	1,468	982	49.5%	0	0	0.0%	5,184	5,006	3.6%
Ag Products	0	1,443,485	-100.0%	19,588,788	39,622,864	-50.6%	1,460,502	4,481,172	-67.4%	137,866,951	151,611,767	-9.1%
<b>GRAND TOTAL</b>	<b>0</b>	<b>34,286,114</b>	<b>-100.0%</b>	<b>347,079,449</b>	<b>472,398,019</b>	<b>-26.5%</b>	<b>79,434,697</b>	<b>135,783,805</b>	<b>-41.5%</b>	<b>2,228,867,840</b>	<b>1,777,958,745</b>	<b>25.4%</b>

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