

CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Interest Rate Futures												
10-YR NOTE	0	0	0.0%	31,448,977	17,536,965	79.33%	0	469,469	-100.0%	271,415,618	247,025,660	9.9%
10-YR SWAP RATE	0	0	0.0%	44,578	12,219	264.83%	0	0	0.0%	400,565	315,371	27.0%
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%	0	28	-100.00%	0	0	0.0%	0	537	-100.0%
20-YR SWAP RATE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
2-YR NOTE	0	0	0.0%	5,828,905	4,096,395	42.29%	0	261	-100.0%	57,759,117	81,374,245	-29.0%
2-YR SWAP RATE	0	0	0.0%	78,147	1,082	7,122.46%	0	0	0.0%	533,832	75,535	606.7%
30-YR BOND	0	0	0.0%	7,279,222	4,961,139	46.72%	0	55,491	-100.0%	65,582,962	51,788,909	26.6%
30-YR SWAP RATE	0	0	0.0%	0	72	-100.00%	0	0	0.0%	0	803	-100.0%
3-YR NOTE	0	0	0.0%	139,943	62,571	123.65%	0	0	0.0%	1,196,687	62,571	1,812.5%
3-YR SWAP RATE	0	0	0.0%	1,025	130	688.46%	0	0	0.0%	16,241	19,823	-18.1%
4-YR SWAP RATE	0	0	0.0%	5,200	936	455.56%	0	0	0.0%	15,481	9,393	64.8%
5-YR NOTE	0	0	0.0%	16,698,051	9,091,964	83.66%	0	87,402	-100.0%	155,324,194	145,469,240	6.8%
5-YR SWAP RATE	0	0	0.0%	68,390	25,108	172.38%	0	0	0.0%	518,110	412,496	25.6%
7-YR SWAP RATE	0	0	0.0%	1,558	290	437.24%	0	0	0.0%	15,570	13,435	15.9%
EURODOLLARS	458,766	0	0.0%	47,236,655	22,577,321	109.22%	2,923,737	2,619,681	11.6%	345,342,875	347,679,582	-0.7%
FED FUND	0	0	0.0%	1,425,046	1,715,829	-16.95%	0	0	0.0%	13,153,764	43,540,396	-69.8%
SOFR	0	0	0.0%	2,227,725	728,434	205.82%	0	0	0.0%	16,153,370	6,019,608	168.3%
SONIA	0	0	0.0%	39,416	255,791	-84.59%	0	0	0.0%	721,103	1,074,449	-32.9%
TIIE	0	-	-	30	-	-	0	-	-	83	-	-
Ultra 10-Year Note	0	0	0.0%	5,917,131	2,748,584	115.28%	0	0	0.0%	50,853,023	35,426,699	43.5%
ULTRA T-BOND	0	0	0.0%	3,163,075	2,297,940	37.65%	0	0	0.0%	31,357,284	27,380,817	14.5%

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Interest Rate Options												
10-YR NOTE	0	0	0.0%	11,075,779	6,044,000	83.25%	0	8,489,760	-100.0%	93,964,257	73,686,265	27.5%
2-YR NOTE	0	0	0.0%	329	72,670	-99.55%	0	273,359	-100.0%	91,828	1,663,311	-94.5%
30-YR BOND	0	0	0.0%	2,788,342	2,108,074	32.27%	0	891,042	-100.0%	19,471,834	16,437,055	18.5%
5-YR NOTE	0	0	0.0%	3,210,283	1,152,494	178.55%	0	2,424,616	-100.0%	22,488,836	21,788,763	3.2%
EURODOLLARS	1,968,851	0	0.0%	900,231	4,440,357	-79.73%	18,593,320	48,129,596	-61.4%	9,555,775	96,088,070	-90.1%
EURO MIDCURVE	11,625,643	0	0.0%	5,097,688	5,311,687	-4.03%	74,595,841	12,810,071	482.3%	37,626,480	39,234,429	-4.1%
FED FUND	0	0	0.0%	0	0	0.00%	0	3,100	-100.0%	0	7,821	-100.0%
SOFR	0	0	0.0%	11	200	-94.50%	7,000	10	69,900.0%	1,352	1,012	33.6%
Ultra 10-Year Note	0	0	0.0%	46	0	0.00%	0	13,035	-100.0%	46	2,961	-98.4%
ULTRA T-BOND	0	0	0.0%	520	299	73.91%	0	10,870	-100.0%	4,074	2,481	64.2%
Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	518,848	161,734	220.80%	0	0	0.0%	3,007,061	1,170,545	156.9%
DJ US REAL ESTATE	0	0	0.0%	23,138	16,900	36.91%	0	0	0.0%	217,218	255,323	-14.9%
E-mini (\$5) Dow	0	0	0.0%	3,238,884	4,455,562	-27.31%	0	0	0.0%	25,458,178	38,910,844	-34.6%
E-MINI COM SERVICES SELEC	0	0	0.0%	1,042	1,519	-31.40%	0	0	0.0%	19,219	15,019	28.0%
E-mini FTSE 100 (USD)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-mini FTSE China 50	0	0	0.0%	116	2	5,700.00%	0	0	0.0%	136	2	6,700.0%
E-MINI MIDCAP	0	0	0.0%	214,019	277,224	-22.80%	0	0	0.0%	1,757,740	2,671,505	-34.2%
E-MINI NASDAQ 100	0	0	0.0%	10,489,739	12,047,723	-12.93%	0	0	0.0%	78,802,029	86,947,661	-9.4%
E-MINI RUSSELL 1000	0	0	0.0%	2,470	881	180.36%	0	0	0.0%	28,468	25,789	10.4%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,392	1,886	-26.19%	0	0	0.0%	19,619	21,556	-9.0%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	3,263	3,186	2.42%	0	0	0.0%	57,890	39,762	45.6%
E-MINI RUSSELL 2000	0	0	0.0%	3,709,654	3,907,989	-5.08%	0	0	0.0%	28,314,786	31,381,362	-9.8%
E-MINI S&P500	0	0	0.0%	28,529,756	35,481,983	-19.59%	0	0	0.0%	232,221,696	322,062,600	-27.9%
E-MINI S&P500 ESG	0	0	0.0%	8,799	3,490	152.12%	0	0	0.0%	91,933	47,384	94.0%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	1,643	2,009	-18.22%	0	0	0.0%	27,931	41,088	-32.0%
ETHER FUTURES	0	-	-	70,265	-		0	-	-	334,632	-	-
FT-SE 100	0	0	0.0%	12	0	0.00%	0	0	0.0%	191	0	0.0%
FTSE Emerging	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	4,480	-99.9%
IBOVESPA INDEX	0	0	0.0%	87	119	-26.89%	0	0	0.0%	1,248	3,590	-65.2%

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Equity Index Futures												
MICRO E-MINI NASDAQ 100	0	0	0.0%	17,548,126	15,377,810	14.11%	0	0	0.0%	138,366,361	87,790,966	57.6%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	2,807,815	2,618,965	7.21%	0	0	0.0%	22,074,823	14,669,945	50.5%
MICRO E-MINI S&P500	0	0	0.0%	14,690,072	22,877,218	-35.79%	0	0	0.0%	127,995,713	129,368,221	-1.1%
MICRO MINI \$5 DOW	0	0	0.0%	2,370,760	2,992,751	-20.78%	0	0	0.0%	18,499,459	20,490,673	-9.7%
NASDAQ-100 VOLATILITY	0	-	-	7	-		0	-	-	56	-	-
NASDAQ BIOTECH	0	0	0.0%	599	608	-1.48%	0	0	0.0%	4,347	4,138	5.1%
Nearby BTIC+	0	0	0.0%	50	0	0.00%	0	0	0.0%	356	200	78.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	93,655	134,492	-30.36%	0	0	0.0%	872,974	1,566,267	-44.3%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	597,165	599,357	-0.37%	0	0	0.0%	4,476,650	7,734,690	-42.1%
S&P 500	0	0	0.0%	53	586	-90.96%	0	33,712	-100.0%	11,751	19,023	-38.2%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	14,901	5,898	152.64%	0	0	0.0%	109,291	182,876	-40.2%
S&P 500/GI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	177	224	-20.98%	0	0	0.0%	724	8,188	-91.2%
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%	5,654	4,473	26.40%	0	0	0.0%	70,048	46,976	49.1%
S&P CONSUMER STAPLES SE	0	0	0.0%	11,400	12,944	-11.93%	0	0	0.0%	118,136	76,686	54.1%
S&P ENERGY SECTOR	0	0	0.0%	15,448	8,338	85.27%	0	0	0.0%	192,270	119,623	60.7%
S&P FINANCIAL SECTOR	0	0	0.0%	18,068	9,629	87.64%	0	0	0.0%	238,004	126,415	88.3%
S&P HEALTH CARE SECTOR	0	0	0.0%	9,353	5,279	77.17%	0	0	0.0%	99,690	89,151	11.8%
S&P INDUSTRIAL SECTOR	0	0	0.0%	8,528	3,008	183.51%	0	0	0.0%	76,039	58,643	29.7%
S&P MATERIALS SECTOR	0	0	0.0%	6,115	2,949	107.36%	0	0	0.0%	61,655	34,981	76.3%
S&P TECHNOLOGY SECTOR	0	0	0.0%	6,055	5,764	5.05%	0	0	0.0%	81,371	70,473	15.5%
S&P UTILITIES SECTOR	0	0	0.0%	8,591	6,906	24.40%	0	0	0.0%	101,401	98,136	3.3%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WATER INDEX FUTURES	0	-	-	59	-		0	-	-	858	-	-
YEN DENOMINATED TOPIX	0	0	0.0%	2,114	4,622	-54.26%	0	0	0.0%	9,837	52,564	-81.3%

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Equity Index Options												
BITCOIN FUTURES	0	0	0.0%	876	854	2.58%	0	0	0.0%	8,208	5,759	42.5%
E-mini (\$5) Dow	0	0	0.0%	659	2,306	-71.42%	0	0	0.0%	10,145	23,771	-57.3%
E-MINI NASDAQ 100	0	0	0.0%	638,607	312,820	104.15%	0	0	0.0%	3,768,585	2,282,852	65.1%
E-MINI RUSSELL 2000	0	0	0.0%	18,850	6,940	171.61%	0	0	0.0%	194,373	129,763	49.8%
E-MINI S&P500	0	0	0.0%	5,448,176	5,420,454	0.51%	0	250	-100.0%	39,755,365	55,658,667	-28.6%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	31,559	8,003	294.34%	0	0	0.0%	148,719	61,084	143.5%
EOM EMINI S&P	0	0	0.0%	2,137,641	1,872,618	14.15%	0	0	0.0%	12,804,961	15,261,946	-16.1%
EOM S&P 500	0	0	0.0%	592	0	0.00%	0	303,360	-100.0%	2,156	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	10,566	2,386	342.83%	0	0	0.0%	65,829	34,130	92.9%
EOW1 EMINI S&P 500	0	0	0.0%	731,718	662,839	10.39%	0	0	0.0%	6,528,672	7,294,037	-10.5%
EOW1 S&P 500	0	0	0.0%	0	0	0.00%	0	157,788	-100.0%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	13,275	5,115	159.53%	0	0	0.0%	87,160	28,024	211.0%
EOW2 EMINI S&P 500	0	0	0.0%	892,561	908,112	-1.71%	0	0	0.0%	7,323,895	7,729,041	-5.2%
EOW2 S&P 500	0	0	0.0%	0	0	0.00%	0	252,530	-100.0%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	45,326	17,874	153.59%	0	0	0.0%	203,414	140,197	45.1%
EOW3 EMINI S&P 500	0	0	0.0%	2,839,748	2,297,984	23.58%	0	0	0.0%	14,585,083	17,949,185	-18.7%
EOW3 S&P 500	0	0	0.0%	0	0	0.00%	0	266,271	-100.0%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	23,911	4,194	470.12%	0	0	0.0%	92,564	23,320	296.9%
EOW4 EMINI S&P 500	0	0	0.0%	1,136,677	1,030,263	10.33%	0	0	0.0%	5,088,137	6,021,088	-15.5%
MICRO E-MINI NASDAQ 100	0	-	-	37,175	-		0	-	-	213,982	-	-
MICRO E-MINI S&P500	0	-	-	163,542	-		0	-	-	977,733	-	-
S&P 500	0	0	0.0%	0	40	-100.00%	0	677,812	-100.0%	200	7,113	-97.2%

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Metals Futures												
ALUMINUM	0	0	0.0%	15,311	8,354	83.28%	0	0	0.0%	67,084	25,845	159.6%
COBALT METAL FUTURES	0	-	-	0	-		0	-	-	12	-	-
COMEX COPPER	0	0	0.0%	1,810,301	1,927,353	-6.07%	0	0	0.0%	16,004,085	14,303,286	11.9%
COMEX E-Mini GOLD	0	0	0.0%	23,068	22,636	1.91%	0	0	0.0%	160,761	231,703	-30.6%
COMEX E-Mini SILVER	0	0	0.0%	3,938	14,347	-72.55%	0	0	0.0%	48,701	40,954	18.9%
COMEX GOLD	0	0	0.0%	5,512,929	7,075,358	-22.08%	0	0	0.0%	36,528,398	47,651,949	-23.3%
COMEX MINY COPPER	0	0	0.0%	3,970	656	505.18%	0	0	0.0%	28,506	3,780	654.1%
COMEX SILVER	0	0	0.0%	1,245,296	2,587,853	-51.88%	0	0	0.0%	12,537,507	13,509,044	-7.2%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	407	334	21.86%	0	0	0.0%	5,887	8,613	-31.6%
GOLD	0	0	0.0%	9,578	2,504	282.51%	0	0	0.0%	33,309	51,144	-34.9%
HOT ROLLED COIL STEEL FUT	0	0	0.0%	207	0	0.00%	0	0	0.0%	1,091	0	0.0%
IRON ORE 62 CHINA PLATTS F	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA TSI FUTU	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	209	-100.0%
IRON ORE CHINA	0	0	0.0%	10	0	0.00%	0	0	0.0%	14	0	0.0%
LNDN ZINC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
METALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MICRO GOLD	0	0	0.0%	1,107,149	1,987,718	-44.30%	0	0	0.0%	8,872,389	10,017,640	-11.4%
NYMEX HOT ROLLED STEEL	0	0	0.0%	2,924	2,302	27.02%	0	0	0.0%	31,199	35,553	-12.2%
NYMEX PLATINUM	0	0	0.0%	289,021	305,276	-5.32%	0	0	0.0%	2,474,184	2,684,601	-7.8%
PALLADIUM	0	0	0.0%	33,322	39,358	-15.34%	0	0	0.0%	303,407	454,461	-33.2%
SILVER	0	0	0.0%	152,383	243,750	-37.48%	0	0	0.0%	1,587,699	603,515	163.1%
URANIUM	0	0	0.0%	0	0	0.00%	0	0	0.0%	465	54	761.1%

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Metals Options												
ALUMINUM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COMEX COPPER	0	0	0.0%	44,067	14,088	212.80%	0	0	0.0%	292,227	209,079	39.8%
COMEX GOLD	0	0	0.0%	451,202	803,530	-43.85%	0	0	0.0%	4,172,021	6,716,558	-37.9%
COMEX SILVER	0	0	0.0%	113,666	248,066	-54.18%	0	0	0.0%	1,071,757	1,258,474	-14.8%
COPPER	0	0	0.0%	18	0	0.00%	0	0	0.0%	124	2,663	-95.3%
GOLD	0	0	0.0%	144,584	140,217	3.11%	0	0	0.0%	1,125,367	1,008,261	11.6%
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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI CALL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI PUT O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE CHINA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX HOT ROLLED STEEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX PLATINUM	0	0	0.0%	372	286	30.07%	0	0	0.0%	3,758	3,712	1.2%
PALLADIUM	0	0	0.0%	40	4	900.00%	0	0	0.0%	654	1,361	-51.9%
SILVER	0	0	0.0%	12,315	7,702	59.89%	0	0	0.0%	64,841	66,694	-2.8%
Energy Futures												
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	0.00%	-	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%
ANR OKLAHOMA	-	0	0.0%	-	0	0.00%	-	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 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%	1,938,981	1,328,913	45.91%	0	0	0.0%	14,216,045	17,825,059	-20.2%
CAR VINTAGE	0	-	-	99	-		0	-	-	340	-	-
CENTERPOINT BASIS 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 JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
CHICAGO ETHANOL SWAP	0	0	0.0%	2	0	0.00%	0	0	0.0%	780	177	340.7%
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	0.00%	-	0	0.0%	-	0	0.0%
CINERGY HUB PEAK MONTH	-	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	0.00%	-	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%	24	60	-60.0%
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%	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%	20,631,097	15,883,942	29.89%	0	0	0.0%	143,434,094	187,131,483	-23.4%
CRUDE OIL SPRDS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL TRADE AT MARKE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DAILY PJM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DATED TO FRONTLINE BRENT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DIESEL 10P BRG FOB RDM VS	0	-	-	0	-		0	-	-	0	-	-
DOMINION TRAN INC - APP I	-	0	0.0%	-	0	0.00%	-	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%	30,032	25,946	15.75%	0	0	0.0%	333,172	223,975	48.8%
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%	1	6	-83.3%
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	0.00%	-	0	0.0%	-	0	0.0%
ELEC NYISO OFF-PEAK	-	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 JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
ELECTRICITY OFF PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL	0	0	0.0%	2	222	-99.10%	0	0	0.0%	262	11,923	-97.8%
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL T2 FOB ROTT INCL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	-	0	0.0%	-	0	0.00%	-	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 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%	74	0	0.00%	0	0	0.0%	342	286	19.6%
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%
FUEL OIL (PLATS) CAR CN	-	0	0.0%	-	0	0.00%	-	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	-	-
GASOIL 0.1 CIF NWE VS ISE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 ROTTERDAM BAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
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	0	0.00%	0	0	0.0%	48	8,776	-99.5%
GROUP THREE ULSD (PLATTS)	-	0	0.0%	-	0	0.00%	-	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	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%	2,517,669	2,327,426	8.17%	0	0	0.0%	19,936,745	25,947,922	-23.2%
HENRY HUB BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HENRY HUB FINANCIAL LAST	0	-	-	0	-		0	-	-	0	-	-
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%	31	670	-95.4%
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%
ICE GASOIL BALMO SWAP	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%
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	0.00%	-	0	0.0%	-	0	0.0%
JET CIF NWE VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET FUEL CRG CIF NEW VS I	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JET FUEL UP-DOWN BALMO C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JKM LNG Futures	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Futures												
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%	233,769	129,403	80.65%	0	0	0.0%	1,502,957	1,107,069	35.8%
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	0	0.0%
MARS BLEND CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	868	633	37.12%	0	0	0.0%	16,675	5,926	181.4%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	81	15	440.0%
MGF FUT	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	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%	6	5	20.00%	0	0	0.0%	44	31	41.9%
MINY NATURAL GAS	0	0	0.0%	118,892	120,762	-1.55%	0	0	0.0%	761,503	713,479	6.7%
MINY RBOB GAS	0	0	0.0%	8	6	33.33%	0	0	0.0%	63	50	26.0%
MINY WTI CRUDE OIL	0	0	0.0%	482,048	250,921	92.11%	0	0	0.0%	2,898,716	5,517,623	-47.5%
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%	70	0	0.00%	0	0	0.0%	220	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%	53	9	488.89%	0	0	0.0%	172	149	15.4%
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	0.00%	-	0	0.0%	-	0	0.0%
NATURAL GAS	0	0	0.0%	70,603	29,837	136.63%	0	0	0.0%	314,609	323,137	-2.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
NATURAL GAS PEN SWP	0	0	0.0%	7	0	0.00%	0	0	0.0%	106	0	0.0%
NATURAL GAS PHY	0	0	0.0%	7,075,061	8,324,298	-15.01%	0	0	0.0%	53,621,672	73,213,210	-26.8%
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%
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%
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	0.00%	-	0	0.0%	-	0	0.0%
NORTHEN NATURAL GAS VEN	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NORTHWEST ROCKIES BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ROCKIES PIPE SWAP	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
NY HARBOR 1% FUEL OIL BAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	5	9	-44.44%	0	0	0.0%	21	26	-19.2%
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	0.00%	-	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 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	0.00%	-	0	0.0%	-	0	0.0%
NYISO ZONE G 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX ALUMINUM FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
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	0.00%	-	0	0.0%	-	0	0.0%
ONTARIO POWER SWAPS	-	0	0.0%	-	0	0.00%	-	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%
PERMIAN BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS ASIA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM BGE DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM COMED 5MW D AH O PK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM COMED 5MW D AH PK	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
PJM NILL DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM OFF-PEAK LMP SWAP FU	-	0	0.0%	-	0	0.00%	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
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	0.00%	-	0	0.0%	-	0	0.0%
PREM UNL GAS 10PPM RDAM	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PREM UNL GAS 10PPM RDAM	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
RBOB GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLNC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	3,405,214	3,184,211	6.94%	0	0	0.0%	26,282,504	27,804,799	-5.5%
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	0.00%	-	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 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%
SING FUEL	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
TD3 MEG TO JAPAN 250K MT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TEXAS EASTERN ZONE M-3 BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	0.00%	-	0	0.0%	-	0	0.0%
UCM FUT	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
UK NBP NAT GAS CAL MTH FU	0	0	0.0%	0	155	-100.00%	0	0	0.0%	2,535	1,884	34.6%
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%
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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI TRD MT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Energy Options												
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CRUDE OIL 1 M CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	2,655	5,186	-48.80%	0	0	0.0%	23,183	116,330	-80.1%
COAL API2 INDEX	0	0	0.0%	0	0	0.00%	0	0	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%	0	900	-100.00%	0	0	0.0%	42,180	56,371	-25.2%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	3	-100.0%
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	0.00%	-	0	0.0%	-	0	0.0%
CRUDE OIL PHY	0	0	0.0%	2,302,534	1,240,647	85.59%	0	0	0.0%	13,148,303	16,745,299	-21.5%
ELEC FINSETTLED	0	-	-	0	-		0	-	-	0	-	-
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HEATING OIL CRK SPD AVG P	0	-	-	0	-		0	-	-	0	-	-
HEATING OIL PHY	0	0	0.0%	2,697	1,860	45.00%	0	0	0.0%	12,623	24,980	-49.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Options												
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0.00%	0	0	0.0%	40	20	100.0%
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LLS CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	4,250	2,501	69.9%
NATURAL GAS 2 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 3 M CSO FIN	0	0	0.0%	0	1,350	-100.00%	0	0	0.0%	200	1,650	-87.9%
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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS OPTION ON CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	0	0.0%	1,316,343	1,019,197	29.15%	0	0	0.0%	8,375,271	9,677,345	-13.5%
NATURAL GAS SUMMER STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	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%	80	13	515.38%	0	0	0.0%	560	653	-14.2%
PETROCHEMICALS	0	0	0.0%	5	0	0.00%	0	0	0.0%	60	11	445.5%
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	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
RBOB PHY	0	0	0.0%	2,245	1,386	61.98%	0	0	0.0%	16,173	18,422	-12.2%
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	0	0.0%
SHORT TERM NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	0	1,102	-100.00%	0	0	0.0%	7,100	12,762	-44.4%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0.00%	0	0	0.0%	900	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	12	1	1,100.00%	0	0	0.0%	146	77	89.6%
AD/JY CROSS RATES	0	0	0.0%	2,185	1,275	71.37%	0	0	0.0%	15,098	20,439	-26.1%
AD/NE CROSS RATES	0	0	0.0%	299	152	96.71%	0	0	0.0%	1,286	2,141	-39.9%
AUSTRALIAN DOLLAR	0	0	0.0%	1,714,171	2,025,340	-15.36%	0	0	0.0%	14,666,222	15,495,136	-5.3%
BP/JY CROSS RATES	0	0	0.0%	2,856	1,693	68.69%	0	0	0.0%	17,147	24,489	-30.0%
BP/SF CROSS RATES	0	0	0.0%	628	367	71.12%	0	0	0.0%	4,239	3,396	24.8%
BRAZIL REAL	0	0	0.0%	285,946	203,257	40.68%	0	0	0.0%	1,650,831	1,350,837	22.2%
BRITISH POUND	0	0	0.0%	2,095,599	2,050,884	2.18%	0	0	0.0%	13,807,127	15,332,547	-9.9%
CANADIAN DOLLAR	0	0	0.0%	1,677,630	1,359,649	23.39%	0	0	0.0%	11,555,364	11,461,688	0.8%
CD/JY CROSS RATES	0	0	0.0%	550	10	5,400.00%	0	0	0.0%	1,111	360	208.6%
CHINESE RENMINBI (CNH)	0	0	0.0%	15,752	13,919	13.17%	0	0	0.0%	114,431	125,060	-8.5%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	21	-90.5%
CZECK KORUNA (US)	0	-	-	0	-		0	-	-	5	-	-
EC/AD CROSS RATES	0	0	0.0%	2,085	2,812	-25.85%	0	0	0.0%	31,780	45,120	-29.6%
EC/CD CROSS RATES	0	0	0.0%	3,340	3,051	9.47%	0	0	0.0%	46,666	32,133	45.2%
EC/NOK CROSS RATES	0	0	0.0%	204	12	1,600.00%	0	0	0.0%	3,970	1,397	184.2%
EC/SEK CROSS RATES	0	0	0.0%	158	173	-8.67%	0	0	0.0%	4,273	4,521	-5.5%
EFX/BP CROSS RATES	0	0	0.0%	34,001	39,841	-14.66%	0	0	0.0%	372,564	502,253	-25.8%
EFX/JY CROSS RATES	0	0	0.0%	30,890	31,102	-0.68%	0	0	0.0%	261,476	454,314	-42.4%
EFX/SF CROSS RATES	0	0	0.0%	15,255	17,344	-12.04%	0	0	0.0%	146,683	290,873	-49.6%
E-MICRO USD/CAD	0	-	-	152	-		0	-	-	152	-	-
E-MICRO USD/CHF	0	-	-	12	-		0	-	-	12	-	-
E-MINI EURO FX	0	0	0.0%	98,475	168,769	-41.65%	0	0	0.0%	915,937	1,063,676	-13.9%
E-MINI JAPANESE YEN	0	0	0.0%	8,093	12,519	-35.35%	0	0	0.0%	62,814	180,463	-65.2%
EURO FX	0	0	0.0%	3,518,937	4,698,533	-25.11%	0	36	-100.0%	28,351,463	32,101,167	-11.7%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	9	-100.0%
HUNGARIAN FORINT (US)	0	0	0.0%	3	0	0.00%	0	0	0.0%	126	67	88.1%
INDIAN RUPEE	0	0	0.0%	12,248	28,310	-56.74%	0	0	0.0%	97,831	192,416	-49.2%
JAPANESE YEN	0	0	0.0%	2,026,412	1,854,925	9.24%	0	0	0.0%	15,104,753	18,547,487	-18.6%
KOREAN WON	0	0	0.0%	484	387	25.06%	0	0	0.0%	10,568	4,152	154.5%
MEXICAN PESO	0	0	0.0%	919,563	898,378	2.36%	0	0	0.0%	7,685,231	8,436,257	-8.9%
MICRO AUD/USD	0	0	0.0%	173,153	272,625	-36.49%	0	0	0.0%	1,519,514	1,757,162	-13.5%
MICRO CAD/USD	0	0	0.0%	68,287	26,257	160.07%	0	0	0.0%	377,024	177,798	112.1%
MICRO CHF/USD	0	0	0.0%	6,375	3,875	64.52%	0	0	0.0%	62,823	23,891	163.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
FX Futures												
MICRO EUR/USD	0	0	0.0%	500,309	611,661	-18.20%	0	0	0.0%	3,537,619	3,106,324	13.9%
MICRO GBP/USD	0	0	0.0%	86,051	64,721	32.96%	0	0	0.0%	513,049	396,225	29.5%
MICRO INR/USD	0	0	0.0%	1,427	1,848	-22.78%	0	0	0.0%	13,651	16,751	-18.5%
MICRO JPY/USD	0	0	0.0%	38,550	23,604	63.32%	0	0	0.0%	228,712	217,301	5.3%
MICRO USD/CNH	0	-	-	0	-		0	-	-	36	-	-
NEW ZEALND DOLLAR	0	0	0.0%	588,728	624,801	-5.77%	0	0	0.0%	4,162,660	4,483,601	-7.2%
NKR/USD CROSS RATE	0	0	0.0%	4,527	1,814	149.56%	0	0	0.0%	33,296	35,977	-7.5%
POLISH ZLOTY (EC)	0	0	0.0%	35	48	-27.08%	0	0	0.0%	936	447	109.4%
POLISH ZLOTY (US)	0	0	0.0%	498	1,032	-51.74%	0	0	0.0%	6,221	5,200	19.6%
RMB USD	0	0	0.0%	0	1	-100.00%	0	0	0.0%	2	4	-50.0%
RUSSIAN RUBLE	0	0	0.0%	83,005	119,181	-30.35%	0	0	0.0%	683,399	822,095	-16.9%
S.AFRICAN RAND	0	0	0.0%	38,625	72,289	-46.57%	0	0	0.0%	362,066	552,923	-34.5%
SF/JY CROSS RATES	0	0	0.0%	33	3	1,000.00%	0	0	0.0%	177	223	-20.6%
SHEKEL	0	0	0.0%	0	1	-100.00%	0	0	0.0%	15	93	-83.9%
SKR/USD CROSS RATES	0	0	0.0%	2,915	2,429	20.01%	0	0	0.0%	30,750	27,434	12.1%
SWISS FRANC	0	0	0.0%	472,960	516,967	-8.51%	0	0	0.0%	3,382,897	4,260,331	-20.6%
TURKISH LIRA	0	0	0.0%	0	0	0.00%	0	0	0.0%	8	18	-55.6%
USDZAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	60	0	0.0%

FX Options

AUD/USD MONDAY OPTION W	0	0	0.0%	99	510	-80.59%	0	0	0.0%	2,425	2,776	-12.6%
AUD/USD MONDAY OPTION W	0	0	0.0%	839	172	387.79%	0	0	0.0%	2,629	1,258	109.0%
AUD/USD MONDAY OPTION W	0	0	0.0%	298	565	-47.26%	0	0	0.0%	2,685	1,951	37.6%
AUD/USD MONDAY OPTION W	0	0	0.0%	312	172	81.40%	0	0	0.0%	3,012	975	208.9%
AUD/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	23	709	-96.8%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	56,178	55,903	0.49%	0	0	0.0%	323,348	582,545	-44.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	381	0	0.00%	0	0	0.0%	3,997	3,153	26.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	917	1,867	-50.88%	0	0	0.0%	10,659	34,512	-69.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,076	2,899	-28.39%	0	0	0.0%	18,089	29,425	-38.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,891	3,156	-40.08%	0	0	0.0%	20,763	31,461	-34.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,471	1,866	-21.17%	0	0	0.0%	4,857	12,603	-61.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	878	493	78.09%	0	0	0.0%	8,226	9,664	-14.9%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,057	456	131.80%	0	0	0.0%	5,392	11,535	-53.3%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	236	161	46.58%	0	0	0.0%	2,677	7,088	-62.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	991	211	369.67%	0	0	0.0%	7,330	10,668	-31.3%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	600	-100.00%	0	0	0.0%	1,408	4,219	-66.6%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	477	0	0.00%	0	0	0.0%	2,258	663	240.6%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,610	619	160.10%	0	0	0.0%	5,961	2,359	152.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	2,678	223	1,100.90%	0	0	0.0%	9,424	629	1,398.3%
CAD/USD MONDAY OPTIONS	0	0	0.0%	564	1,862	-69.71%	0	0	0.0%	3,038	3,871	-21.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	3,499	2,453	42.64%	0	0	0.0%	10,213	3,841	165.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	612	861	-28.9%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	103,682	46,508	122.93%	0	430	-100.0%	426,483	380,206	12.2%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	889	0	0.00%	0	0	0.0%	14,977	6,030	148.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,889	7,054	-44.87%	0	0	0.0%	30,573	49,643	-38.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	9,367	5,740	63.19%	0	0	0.0%	47,106	44,941	4.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	8,889	6,454	37.73%	0	0	0.0%	48,388	51,381	-5.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,593	5,825	-3.98%	0	0	0.0%	15,578	25,272	-38.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	3,218	2,412	33.42%	0	0	0.0%	9,327	17,791	-47.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	4,096	631	549.13%	0	0	0.0%	12,060	13,041	-7.5%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,234	2,144	4.20%	0	0	0.0%	10,816	14,742	-26.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,554	2,984	-14.41%	0	0	0.0%	11,363	18,208	-37.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	2,313	-100.00%	0	0	0.0%	3,241	7,730	-58.1%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	3,720	2,316	60.62%	0	0	0.0%	32,798	23,457	39.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	4	0	0.00%	0	0	0.0%	218	37	489.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	227	7	3,142.86%	0	0	0.0%	1,775	1,296	37.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	186	14	1,228.57%	0	0	0.0%	1,413	848	66.6%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	65	23	182.61%	0	0	0.0%	2,294	772	197.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	166	3	5,433.33%	0	0	0.0%	238	906	-73.7%
EUR/GBP MONTHLY OPTIONS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EUR/GBP WKLY FRIDAY OPTIC	0	-	-	0	-		0	-	-	0	-	-
EUR/USD MONDAY OPTION W	0	0	0.0%	8,475	4,973	70.42%	0	0	0.0%	15,049	11,179	34.6%
EUR/USD MONDAY OPTION W	0	0	0.0%	699	2,757	-74.65%	0	0	0.0%	11,629	6,297	84.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,616	8,241	-80.39%	0	0	0.0%	8,200	14,190	-42.2%
EUR/USD MONDAY OPTION W	0	0	0.0%	5,007	7,207	-30.53%	0	0	0.0%	17,937	13,663	31.3%
EUR/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,587	5,514	-71.2%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
FX Options												
EUR/USD MONTHLY OPTIONS	0	0	0.0%	203,019	251,533	-19.29%	0	1,550	-100.0%	1,432,913	2,172,079	-34.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,584	0	0.00%	0	0	0.0%	30,334	11,073	173.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,437	20,010	-77.83%	0	62	-100.0%	91,358	150,473	-39.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	20,276	22,734	-10.81%	0	0	0.0%	138,954	154,863	-10.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	20,412	19,307	5.72%	0	0	0.0%	125,597	162,931	-22.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	24,596	18,871	30.34%	0	0	0.0%	58,205	59,845	-2.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,693	6,908	11.36%	0	0	0.0%	46,610	68,590	-32.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	11,823	6,565	80.09%	0	0	0.0%	52,891	57,929	-8.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,927	11,723	-40.91%	0	0	0.0%	49,820	61,833	-19.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	14,255	9,881	44.27%	0	0	0.0%	63,661	53,722	18.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	9,029	-100.00%	0	0	0.0%	12,636	23,314	-45.8%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,887	1,053	79.20%	0	0	0.0%	3,127	3,671	-14.8%
GBP/USD MONDAY OPTION W	0	0	0.0%	799	250	219.60%	0	0	0.0%	4,382	2,563	71.0%
GBP/USD MONDAY OPTION W	0	0	0.0%	227	440	-48.41%	0	0	0.0%	1,707	4,333	-60.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,088	704	54.55%	0	0	0.0%	2,775	5,595	-50.4%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	400	1,162	-65.6%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	88,791	72,590	22.32%	0	64	-100.0%	523,109	603,343	-13.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,408	0	0.00%	0	0	0.0%	8,106	3,267	148.1%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,867	2,267	26.47%	0	0	0.0%	16,646	26,049	-36.1%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,233	1,849	128.93%	0	0	0.0%	20,825	23,736	-12.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,630	1,720	227.33%	0	0	0.0%	25,522	25,264	1.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,793	3,377	12.32%	0	0	0.0%	7,912	11,786	-32.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,250	330	278.79%	0	0	0.0%	8,737	12,669	-31.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,083	401	170.07%	0	0	0.0%	5,162	7,129	-27.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	653	668	-2.25%	0	0	0.0%	4,788	11,749	-59.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	894	631	41.68%	0	0	0.0%	7,514	10,076	-25.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	344	-100.00%	0	0	0.0%	1,901	5,534	-65.6%
JPY/USD MONDAY OPTION WE	0	0	0.0%	710	1,667	-57.41%	0	0	0.0%	3,096	5,959	-48.0%
JPY/USD MONDAY OPTION WE	0	0	0.0%	805	2,370	-66.03%	0	0	0.0%	2,914	8,179	-64.4%
JPY/USD MONDAY OPTION WE	0	0	0.0%	776	1,571	-50.60%	0	0	0.0%	2,602	4,804	-45.8%
JPY/USD MONDAY OPTION WE	0	0	0.0%	269	457	-41.14%	0	0	0.0%	1,293	2,349	-45.0%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	0	0.00%	0	0	0.0%	313	1,363	-77.0%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	93,792	90,155	4.03%	0	727	-100.0%	550,631	953,229	-42.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,019	0	0.00%	0	0	0.0%	20,917	5,689	267.7%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Options												
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,287	10,494	-87.74%	0	0	0.0%	35,846	87,502	-59.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	13,305	9,117	45.94%	0	0	0.0%	67,260	94,731	-29.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	9,076	10,245	-11.41%	0	0	0.0%	57,830	88,808	-34.9%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	8,447	10,312	-18.09%	0	0	0.0%	25,004	36,879	-32.2%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,004	4,207	-28.60%	0	0	0.0%	17,300	40,915	-57.7%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,684	2,898	130.64%	0	0	0.0%	23,856	31,343	-23.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,640	2,195	202.51%	0	0	0.0%	22,361	36,372	-38.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,319	2,571	29.09%	0	0	0.0%	19,539	40,129	-51.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	2,697	-100.00%	0	0	0.0%	5,541	8,991	-38.4%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	636	998	-36.27%	0	1,840	-100.0%	6,958	10,301	-32.5%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	604	225	168.4%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	552	1,003	-45.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	2	-100.00%	0	0	0.0%	331	1,183	-72.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	9	-100.00%	0	0	0.0%	0	152	-100.0%
NZD/USD MONTHLY OPTIONS	0	0	0.0%	494	79	525.32%	0	0	0.0%	1,287	4,551	-71.7%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	50	-100.0%
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%	0	375	-100.0%
NZD/USD WKLY FRIDAY OPTIO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
RUB/USD MONTHLY OPTIONS	0	-	-	0	-		0	-	-	68	-	-
Ags Futures												
FERTILIZER PRODUCS	0	0	0.0%	0	5	-100.00%	0	0	0.0%	4	90	-95.6%
Foreign Exchange Futures												
CHILEAN PESO	-	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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Foreign Exchange Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	516	290	77.93%	0	0	0.0%	4,034	6,155	-34.5%
Ag Products Futures												
BUTTER CS	0	0	0.0%	3,407	3,174	7.34%	0	0	0.0%	28,413	41,849	-32.1%
CASH-SETTLED CHEESE	0	0	0.0%	12,568	10,130	24.07%	0	0	0.0%	86,669	95,060	-8.8%
CAT ASIA WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CATTLE	0	0	0.0%	1,200,957	1,369,591	-12.31%	0	2,592	-100.0%	8,320,446	10,312,138	-19.3%
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	50	-100.00%	0	0	0.0%	0	50	-100.0%
CHI WHEAT	0	0	0.0%	2,262,045	2,577,596	-12.24%	0	12,092	-100.0%	18,697,552	19,672,513	-5.0%
CLASS IV MILK	0	0	0.0%	787	1,051	-25.12%	0	65	-100.0%	5,633	18,144	-69.0%
COCOA TAS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
COFFEE	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	0	0.0%
CORN	0	0	0.0%	5,373,284	6,879,424	-21.89%	0	18,145	-100.0%	54,943,560	50,631,800	8.5%
COTTON	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	23	-100.0%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	22	0	0.0%
DOW-UBS COMMOD INDEX	0	0	0.0%	44,268	7,096	523.84%	0	0	0.0%	368,297	211,420	74.2%
DRY WHEY	0	0	0.0%	1,346	1,385	-2.82%	0	0	0.0%	16,078	10,206	57.5%
FEEDER CATTLE	0	0	0.0%	260,875	310,756	-16.05%	0	54	-100.0%	1,684,574	1,934,525	-12.9%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	4,741	11,884	-60.11%	0	0	0.0%	72,879	112,658	-35.3%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	101	44	129.5%
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	0.00%	-	0	0.0%	-	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	25	-100.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	0	0	0.0%	1,017,114	1,047,352	-2.89%	0	1,940	-100.0%	7,047,089	7,985,910	-11.8%
HOUSING INDEX	0	0	0.0%	4	9	-55.56%	0	0	0.0%	76	225	-66.2%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	0	0	0.0%	947,961	928,120	2.14%	0	1,534	-100.0%	7,627,666	8,025,952	-5.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Ag Products Futures												
LUMBER	0	0	0.0%	10,789	15,582	-30.76%	0	0	0.0%	75,166	89,661	-16.2%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	24,560	37,668	-34.80%	0	59	-100.0%	164,269	251,911	-34.8%
MINI CORN	0	0	0.0%	53,188	24,799	114.48%	0	0	0.0%	516,402	142,651	262.0%
MINI SOYBEAN	0	0	0.0%	43,942	32,656	34.56%	0	0	0.0%	451,446	184,269	145.0%
MINI WHEAT	0	0	0.0%	23,231	12,605	84.30%	0	0	0.0%	149,777	89,896	66.6%
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%	4,455	5,002	-10.94%	0	0	0.0%	38,637	62,865	-38.5%
OATS	0	0	0.0%	11,307	6,553	72.55%	0	0	0.0%	73,135	82,761	-11.6%
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PORK CUTOUT	0	-	-	1,484	-		0	-	-	20,813	-	-
ROUGH RICE	0	0	0.0%	8,912	9,134	-2.43%	0	0	0.0%	107,709	157,361	-31.6%
SOYBEAN	0	0	0.0%	3,171,718	3,949,331	-19.69%	0	10,769	-100.0%	31,555,585	30,783,290	2.5%
SOYBEAN MEAL	0	0	0.0%	1,748,334	2,185,162	-19.99%	0	1,333	-100.0%	14,600,524	16,724,754	-12.7%
SOYBEAN OIL	0	0	0.0%	2,232,228	2,456,517	-9.13%	0	4,078	-100.0%	19,489,865	19,017,583	2.5%
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%	3,245	2,046	58.60%	0	0	0.0%	22,161	6,045	266.6%
Ag Products Options												
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	0	75	-100.00%	0	0	0.0%	0	77	-100.0%
BUTTER CS	0	0	0.0%	761	1,391	-45.29%	0	212	-100.0%	15,200	24,976	-39.1%
CASH-SETTLED CHEESE	0	0	0.0%	4,931	13,619	-63.79%	0	7,734	-100.0%	55,017	82,526	-33.3%
CATTLE	0	0	0.0%	149,711	192,165	-22.09%	0	59,913	-100.0%	1,304,342	1,679,934	-22.4%
CAT WEATHER EUROPEAN	-	0	0.0%	-	0	0.00%	-	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	-	-
CHI WHEAT	0	0	0.0%	450,454	697,563	-35.42%	0	202,275	-100.0%	3,224,494	4,322,616	-25.4%
CLASS IV MILK	0	0	0.0%	4,040	1,773	127.86%	0	1,082	-100.0%	22,626	40,415	-44.0%
CORN	0	0	0.0%	2,320,559	2,094,574	10.79%	0	536,597	-100.0%	22,007,505	11,596,658	89.8%
CORN NEARBY+2 CAL SPRD	0	0	0.0%	18,260	8,941	104.23%	0	14,975	-100.0%	100,815	26,226	284.4%

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Ag Products Options												
DEC-DEC CORN CAL SPRD	0	0	0.0%	0	175	-100.00%	0	250	-100.0%	1,337	949	40.9%
DEC-JULY CORN CAL SPRD	0	0	0.0%	2,300	610	277.05%	0	175	-100.0%	2,400	1,661	44.5%
DEC-JULY WHEAT CAL SPRD	0	0	0.0%	0	510	-100.00%	0	0	0.0%	0	510	-100.0%
DRY WHEY	0	0	0.0%	167	770	-78.31%	0	119	-100.0%	1,585	4,117	-61.5%
FEEDER CATTLE	0	0	0.0%	18,130	19,809	-8.48%	0	4,252	-100.0%	149,504	187,399	-20.2%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	-	-	0	-		0	-	-	0	-	-
HOGS	0	0	0.0%	213,252	217,447	-1.93%	0	34,430	-100.0%	1,426,001	2,019,396	-29.4%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Intercommodity Spread	0	0	0.0%	0	275	-100.00%	0	7,987	-100.0%	271	3,233	-91.6%
JAN-MAR SOYBEAN CSO	0	0	0.0%	0	10	-100.00%	0	0	0.0%	0	10	-100.0%
JULY-DEC CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	11,810	-100.0%	28,555	5,125	457.2%
JULY-DEC SOYMEAL CAL SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JULY-DEC SOY OIL CAL SPRD	0	-	-	0	-		0	-	-	0	-	-
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	1,520	-100.0%	100	2,136	-95.3%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	50	-100.0%	0	70	-100.0%
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	4,950	-100.0%	2,422	8,997	-73.1%
KC WHEAT	0	0	0.0%	66,338	116,105	-42.86%	0	36,570	-100.0%	389,366	656,826	-40.7%
LUMBER	0	0	0.0%	585	843	-30.60%	0	0	0.0%	5,750	6,346	-9.4%
LV CATL CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MAR-DEC CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	505	-100.0%	0	0	0.0%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	2,500	-100.0%	0	0	0.0%
MAR-JULY SOYBEAN CAL SPR	0	-	-	0	-		0	-	-	0	-	-
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	19,618	49,965	-60.74%	0	3,323	-100.0%	177,446	365,597	-51.5%
MLK MID OPTIONS	0	0	0.0%	0	31	-100.00%	0	31	-100.0%	11	86	-87.2%
NFD MILK	0	0	0.0%	2,990	5,328	-43.88%	0	494	-100.0%	27,409	51,785	-47.1%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	0	0.00%	0	100	-100.0%	0	885	-100.0%
NOV-NOV SOYBEAN CAL SPR	0	0	0.0%	0	10	-100.00%	0	0	0.0%	0	10	-100.0%
OATS	0	0	0.0%	943	138	583.33%	0	720	-100.0%	1,977	1,076	83.7%
PORK CUTOUT	0	-	-	1	-		0	-	-	738	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Ag Products Options												
ROUGH RICE	0	0	0.0%	340	1,222	-72.18%	0	6,492	-100.0%	3,943	12,455	-68.3%
SOYBEAN	0	0	0.0%	1,241,875	1,475,927	-15.86%	0	275,778	-100.0%	12,123,023	7,193,215	68.5%
SOYBEAN CRUSH	0	0	0.0%	60	738	-91.87%	0	830	-100.0%	1,071	1,520	-29.5%
SOYBEAN MEAL	0	0	0.0%	163,182	232,213	-29.73%	0	84,223	-100.0%	1,613,591	1,361,819	18.5%
SOYBEAN OIL	0	0	0.0%	209,323	151,254	38.39%	0	106,072	-100.0%	2,198,293	1,078,252	103.9%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	7,020	70	9,928.57%	0	335	-100.0%	17,121	615	2,683.9%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0.00%	0	200	-100.0%	0	0	0.0%
WHEAT	0	0	0.0%	599	667	-10.19%	0	16	-100.0%	5,922	4,047	46.3%
WHEAT-CORN ICSD	0	0	0.0%	0	1,608	-100.00%	0	70	-100.0%	831	3,338	-75.1%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	1,758	1,300	35.23%	0	1,251	-100.0%	3,560	4,431	-19.7%
TOTAL FUTURES GROUP												
Interest Rate Futures	458,766	0	0.0%	121,603,074	66,112,798	83.9%	2,923,737	3,232,304	-9.5%	1,010,359,879	987,689,569	2.3%
Equity Index Futures	0	0	0.0%	85,027,892	101,034,028	-15.8%	0	33,712	-100.0%	683,821,794	746,207,345	-8.4%
Metals Futures	0	0	0.0%	10,209,814	14,217,799	-28.2%	0	0	0.0%	78,684,698	89,622,351	-12.2%
Energy Futures	0	0	0.0%	36,504,560	31,606,698	15.5%	0	0	0.0%	263,323,762	339,837,735	-22.5%
FX Futures	0	0	0.0%	14,531,418	15,755,860	-7.8%	0	36	-100.0%	109,844,223	121,556,294	-9.6%
Ags Futures	0	0	0.0%	0	5	-100.0%	0	0	0.0%	4	90	-95.6%
Foreign Exchange Futures	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Ag Products Futures	0	0	0.0%	18,466,750	21,884,673	-15.6%	0	52,661	-100.0%	166,164,546	166,645,589	-0.3%
TOTAL FUTURES	458,766	0	0.0%	286,343,508	250,611,861	14.3%	2,923,737	3,318,713	-11.9%	2,312,198,906	2,451,558,973	-5.7%
TOTAL OPTIONS GROUP												
Equity Index Options	0	0	0.0%	14,171,459	12,552,802	12.9%	0	1,658,011	-100.0%	91,859,181	112,649,977	-18.5%
Interest Rate Options	13,594,494	0	0.0%	23,073,229	19,129,781	20.6%	93,196,161	73,045,459	27.6%	183,204,482	248,912,168	-26.4%
Metals Options	0	0	0.0%	766,264	1,213,893	-36.9%	0	0	0.0%	6,730,749	9,266,802	-27.4%
Energy Options	0	0	0.0%	3,626,559	2,271,641	59.6%	0	0	0.0%	21,630,843	26,656,347	-18.9%
FX Options	0	0	0.0%	820,916	797,023	3.0%	0	4,673	-100.0%	4,783,771	6,663,570	-28.2%
Ag Products Options	0	0	0.0%	4,897,197	5,287,126	-7.4%	0	1,407,841	-100.0%	44,912,226	30,749,334	46.1%
Foreign Exchange Options	0	0	0.0%	516	290	77.9%	0	0	0.0%	4,034	6,155	-34.5%
TOTAL OPTIONS	13,594,494	0	0.0%	47,356,140	41,252,556	14.8%	93,196,161	76,115,984	22.4%	353,125,286	434,904,353	-18.8%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
TOTAL COMBINED												
Interest Rate	14,053,260	0	0.0%	144,676,303	85,242,579	69.7%	96,119,898	76,277,763	26.0%	1,193,564,361	1,236,601,737	-3.5%
Equity Index	0	0	0.0%	99,199,351	113,586,830	-12.7%	0	1,691,723	-100.0%	775,680,975	858,857,322	-9.7%
Metals	0	0	0.0%	10,976,078	15,431,692	-28.9%	0	0	0.0%	85,415,447	98,889,153	-13.6%
Energy	0	0	0.0%	40,131,119	33,878,339	18.5%	0	0	0.0%	284,954,605	366,494,082	-22.2%
FX	0	0	0.0%	15,352,334	16,552,883	-7.3%	0	4,709	-100.0%	114,627,994	128,219,864	-10.6%
Ags	0	0	0.0%	0	5	-100.0%	0	0	0.0%	4	90	-95.6%
Foreign Exchange	0	0	0.0%	516	290	77.9%	0	0	0.0%	4,034	6,155	-34.5%
Ag Products	0	0	0.0%	23,363,947	27,171,799	-14.0%	0	1,460,502	-100.0%	211,076,772	197,394,923	6.9%
GRAND TOTAL	14,053,260	0	0.0%	333,699,648	291,864,417	14.3%	96,119,898	79,434,697	21.0%	2,665,324,192	2,886,463,326	-7.7%

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