

CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2023	Open Outcry MAR 2022	% CHG	ELEC MAR 2023	ELEC MAR 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Interest Rate Futures												
10-YR Eris LIBOR	0	0	0.0%	627	7,791	-91.95%	0	0	0.0%	4,042	13,779	-70.7%
10-YR Eris SOFR	0	0	0.0%	1,279	0	0.00%	0	0	0.0%	1,408	100	1,308.0%
10-YR MAC LIBOR	0	0	0.0%	10,507	35,287	-70.22%	0	0	0.0%	19,590	80,788	-75.8%
10-YR MAC SOFR	0	-	-	9	-		0	-	-	18	-	-
10-YR NOTE	0	0	0.0%	47,391,374	40,086,405	18.22%	0	0	0.0%	127,752,718	127,941,406	-0.1%
10Y YIELD	0	0	0.0%	144,630	111,574	29.63%	0	0	0.0%	252,074	316,125	-20.3%
15-YR Eris LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
1-MONTH EURODOLLAR	0	0	0.0%	0	24	-100.00%	0	0	0.0%	6	24	-75.0%
1-YR Eris BSBY	0	-	-	0	-		0	-	-	0	-	-
1-YR Eris SOFR	0	0	0.0%	14,328	42,549	-66.33%	0	0	0.0%	14,328	114,535	-87.5%
20-YR BOND	0	0	0.0%	784	9,754	-91.96%	0	0	0.0%	2,364	9,754	-75.8%
20-YR Eris LIBOR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
2-YR Eris LIBOR	0	0	0.0%	518	23,524	-97.80%	0	0	0.0%	4,517	33,517	-86.5%
2-YR Eris SOFR	0	0	0.0%	5,394	23,535	-77.08%	0	0	0.0%	9,605	42,067	-77.2%
2-YR NOTE	0	0	0.0%	18,466,355	12,135,644	52.17%	0	0	0.0%	46,661,531	40,373,843	15.6%
2Y YIELD	0	0	0.0%	14,766	5,970	147.34%	0	0	0.0%	28,798	22,597	27.4%
30-Year UMBS TBA Futures - 2.5	0	-	-	83	-		0	-	-	285	-	-
30-Year UMBS TBA Futures - 3.0	0	-	-	276	-		0	-	-	661	-	-
30-Year UMBS TBA Futures - 3.5	0	-	-	231	-		0	-	-	560	-	-
30-Year UMBS TBA Futures - 4.0	0	-	-	240	-		0	-	-	516	-	-
30-Year UMBS TBA Futures - 4.5	0	-	-	508	-		0	-	-	597	-	-
30-Year UMBS TBA Futures - 5.0	0	-	-	397	-		0	-	-	858	-	-
30-Year UMBS TBA Futures - 5.5	0	-	-	176	-		0	-	-	653	-	-
30-Year UMBS TBA Futures - 6.0	0	-	-	221	-		0	-	-	672	-	-
30-YR BOND	0	0	0.0%	9,543,801	8,032,446	18.82%	0	0	0.0%	25,665,352	26,359,143	-2.6%
30-YR Eris LIBOR	0	0	0.0%	0	72	-100.00%	0	0	0.0%	0	185	-100.0%
30-YR MAC LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	304	-100.0%
30Y YIELD	0	0	0.0%	889	6,048	-85.30%	0	0	0.0%	3,968	30,686	-87.1%
3-YR Eris BSBY	0	-	-	0	-		0	-	-	0	-	-
3-YR Eris LIBOR	0	0	0.0%	635	11,263	-94.36%	0	0	0.0%	3,703	31,504	-88.2%
3-YR Eris SOFR	0	0	0.0%	4,280	6,652	-35.66%	0	0	0.0%	6,349	12,395	-48.8%
3-YR NOTE	0	0	0.0%	150,190	317,484	-52.69%	0	0	0.0%	375,716	1,082,054	-65.3%
4-YR Eris LIBOR	0	0	0.0%	411	4,840	-91.51%	0	0	0.0%	1,140	17,626	-93.5%
4-YR Eris SOFR	0	0	0.0%	861	1,660	-48.13%	0	0	0.0%	1,527	2,110	-27.6%
5-YR Eris LIBOR	0	0	0.0%	5,162	25,371	-79.65%	0	0	0.0%	21,264	98,631	-78.4%
5-YR Eris SOFR	0	0	0.0%	19,084	4,111	364.22%	0	0	0.0%	20,582	6,251	229.3%
5-YR MAC LIBOR	0	0	0.0%	5,689	56,017	-89.84%	0	0	0.0%	39,532	105,765	-62.6%

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Interest Rate Futures												
5-YR MAC SOFR	0	-	-	44	-		0	-	-	88	-	-
5-YR NOTE	0	0	0.0%	35,472,046	26,477,351	33.97%	0	0	0.0%	92,633,114	86,880,061	6.6%
5Y YIELD	0	0	0.0%	49	1,453	-96.63%	0	0	0.0%	865	8,064	-89.3%
7-YR Eris LIBOR	0	0	0.0%	866	2,035	-57.44%	0	0	0.0%	2,242	10,240	-78.1%
7-YR Eris SOFR	0	0	0.0%	733	0	0.00%	0	0	0.0%	825	0	0.0%
BSBY 3-MONTH FUTURES	0	0	0.0%	9,141	62,443	-85.36%	0	0	0.0%	19,971	296,655	-93.3%
ESTR Basis Spread Futures	0	-	-	1,458	-		0	-	-	4,566	-	-
ESTR Futures	0	-	-	31,714	-		0	-	-	102,344	-	-
EURODOLLARS	26,758	1,085,172	-97.5%	9,940,291	57,524,715	-82.72%	246,694	2,613,003	-90.6%	25,851,675	164,084,338	-84.2%
FED FUND	0	0	0.0%	18,815,426	9,331,577	101.63%	0	0	0.0%	37,003,813	25,463,142	45.3%
FTIIE	0	0	0.0%	334	113	195.58%	0	0	0.0%	747	383	95.0%
SOFR	1,716,319	17,324	9,807.2%	115,286,831	36,539,337	215.51%	3,223,138	26,956	11,857.0%	234,337,004	73,935,947	216.9%
SONIA	0	0	0.0%	76	44	72.73%	0	0	0.0%	168	1,034	-83.8%
Ultra 10-Year Note	0	0	0.0%	10,625,081	7,785,713	36.47%	0	0	0.0%	28,868,652	26,820,650	7.6%
ULTRA T-BOND	0	0	0.0%	5,363,805	3,997,985	34.16%	0	0	0.0%	16,378,209	14,803,675	10.6%
Interest Rate Options												
10-YR NOTE	0	0	0.0%	19,087,196	17,286,143	10.42%	0	0	0.0%	48,659,222	44,736,356	8.8%
2-YR NOTE	0	0	0.0%	560,802	18,531	2,926.29%	0	0	0.0%	1,148,349	78,787	1,357.5%
30-YR BOND	0	0	0.0%	3,045,297	2,911,417	4.60%	0	0	0.0%	8,022,296	7,404,375	8.3%
5-YR NOTE	0	0	0.0%	9,296,395	7,080,239	31.30%	0	0	0.0%	20,011,415	16,524,699	21.1%
EURODOLLARS	432,145	12,872,406	-96.6%	1,630,724	4,463,764	-63.47%	1,587,987	36,162,381	-95.6%	6,129,617	15,244,161	-59.8%
EURO MIDCURVE	55,034	9,618,787	-99.4%	20,159	4,200,104	-99.52%	365,078	23,602,564	-98.5%	199,743	12,055,681	-98.3%
FED FUND	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	42	-95.2%
SOFR	36,137,344	412,855	8,653.0%	15,372,270	63,026	24,290.36%	78,030,827	720,840	10,725.0%	30,766,638	136,216	22,486.7%
SOFR MIDCURVE	6,094,445	481,760	1,165.0%	2,410,011	46,087	5,129.26%	17,176,655	753,283	2,180.2%	6,602,048	206,550	3,096.3%
SOFR MISCURVE	0	-	-	0	-		0	-	-	700	-	-
Ultra 10-Year Note	0	0	0.0%	321	0	0.00%	0	0	0.0%	804	438	83.6%
ULTRA T-BOND	0	0	0.0%	1,735	7,954	-78.19%	0	0	0.0%	3,336	11,992	-72.2%
Equity Index Futures												
BITCOIN	0	0	0.0%	258,195	172,500	49.68%	0	0	0.0%	636,999	516,875	23.2%
DJ US REAL ESTATE SECTOR	0	0	0.0%	51,344	56,094	-8.47%	0	0	0.0%	94,206	110,090	-14.4%

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Equity Index Futures												
E-mini (\$5) Dow	0	0	0.0%	5,046,105	4,610,439	9.45%	0	0	0.0%	12,046,860	14,920,132	-19.3%
E-mini FTSE China 50	0	0	0.0%	0	1,890	-100.00%	0	0	0.0%	44	3,384	-98.7%
E-MINI MIDCAP	0	0	0.0%	477,577	474,665	0.61%	0	0	0.0%	917,389	1,126,869	-18.6%
E-MINI NASDAQ 100	0	0	0.0%	17,911,013	15,105,664	18.57%	0	0	0.0%	42,393,646	45,216,964	-6.2%
E-MINI RUSSELL 1000	0	0	0.0%	5,215	5,426	-3.89%	0	0	0.0%	6,472	10,387	-37.7%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	3,997	9,242	-56.75%	0	0	0.0%	6,195	21,300	-70.9%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	8,222	16,752	-50.92%	0	0	0.0%	12,869	26,355	-51.2%
E-MINI RUSSELL 2000	0	0	0.0%	7,015,689	5,899,334	18.92%	0	0	0.0%	14,476,339	16,220,339	-10.8%
E-MINI S&P500	0	0	0.0%	55,130,395	42,862,689	28.62%	0	0	0.0%	125,232,001	120,287,015	4.1%
E-MINI S&P500 ESG	0	0	0.0%	36,930	40,653	-9.16%	0	0	0.0%	62,889	119,263	-47.3%
ETHER	0	-	-	0	-	-	0	-	-	0	-	-
ETHER FUTURES	0	0	0.0%	133,736	91,932	45.47%	0	0	0.0%	364,680	320,715	13.7%
FT-SE 100	0	0	0.0%	0	673	-100.00%	0	0	0.0%	145	892	-83.7%
FTSE Emerging	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IBOVESPA INDEX	0	0	0.0%	12	39	-69.23%	0	0	0.0%	114	134	-14.9%
MICRO BITCOIN	0	0	0.0%	271,111	394,261	-31.24%	0	0	0.0%	616,817	1,227,488	-49.7%
MICRO E-MINI NASDAQ 100	0	0	0.0%	27,056,218	31,219,379	-13.34%	0	0	0.0%	71,662,668	99,429,440	-27.9%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	2,263,838	2,813,163	-19.53%	0	0	0.0%	5,470,066	10,960,204	-50.1%
MICRO E-MINI S&P500	0	0	0.0%	30,385,024	28,968,667	4.89%	0	0	0.0%	79,986,758	84,722,329	-5.6%
MICRO ETHER	0	0	0.0%	199,010	373,317	-46.69%	0	0	0.0%	619,541	1,182,821	-47.6%
MICRO MINI \$5 DOW	0	0	0.0%	4,033,053	4,278,377	-5.73%	0	0	0.0%	9,323,246	14,517,605	-35.8%
NASDAQ-100 VOLATILITY	0	0	0.0%	18	2,089	-99.14%	0	0	0.0%	3,192	12,146	-73.7%
NASDAQ BIOTECH SECTOR	0	0	0.0%	223	213	4.69%	0	0	0.0%	509	413	23.2%
Nearby BTIC+	0	0	0.0%	0	350	-100.00%	0	0	0.0%	0	750	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	142,280	151,202	-5.90%	0	0	0.0%	309,726	425,545	-27.2%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	772,644	1,100,963	-29.82%	0	0	0.0%	1,794,400	2,811,662	-36.2%
PHLX SEMICONDUCTOR SECT	0	-	-	546	-	-	0	-	-	707	-	-
S&P 500	0	0	0.0%	2,170	3	72,233.33%	0	0	0.0%	11,301	209	5,307.2%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	56,004	49,269	13.67%	0	0	0.0%	88,508	98,445	-10.1%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	17,660	230	7,578.26%	0	0	0.0%	31,882	426	7,384.0%
S&P BIOTECHNOLOGY SECTO	0	-	-	1,166	-	-	0	-	-	1,810	-	-
S&P COMMUNICATION SERVIC	0	0	0.0%	7,206	5,640	27.77%	0	0	0.0%	9,610	9,651	-0.4%
S&P CONSUMER DISCRETION	0	0	0.0%	10,872	10,648	2.10%	0	0	0.0%	16,640	25,693	-35.2%
S&P CONSUMER STAPLES SE	0	0	0.0%	27,498	26,435	4.02%	0	0	0.0%	49,160	44,131	11.4%
S&P ENERGY SECTOR	0	0	0.0%	57,982	97,680	-40.64%	0	0	0.0%	85,678	141,613	-39.5%
S&P FINANCIAL SECTOR	0	0	0.0%	48,716	48,437	0.58%	0	0	0.0%	66,106	81,677	-19.1%
S&P HEALTH CARE SECTOR	0	0	0.0%	31,021	33,524	-7.47%	0	0	0.0%	42,689	60,376	-29.3%

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Equity Index Futures												
S&P INDUSTRIAL SECTOR	0	0	0.0%	22,944	16,480	39.22%	0	0	0.0%	34,463	44,297	-22.2%
S&P MATERIALS SECTOR	0	0	0.0%	19,502	14,062	38.69%	0	0	0.0%	28,880	23,722	21.7%
S&P OIL & GAS EXPLORATION	0	-	-	562	-		0	-	-	805	-	-
S&P REAL ESTATE SECTOR	0	0	0.0%	13,544	9,213	47.01%	0	0	0.0%	18,562	13,992	32.7%
S&P REGIONAL BANKS SECTO	0	-	-	1,922	-		0	-	-	2,299	-	-
S&P RETAIL SECTOR	0	-	-	270	-		0	-	-	1,325	-	-
S&P TECHNOLOGY SECTOR	0	0	0.0%	28,076	26,351	6.55%	0	0	0.0%	41,465	71,554	-42.1%
S&P UTILITIES SECTOR	0	0	0.0%	35,927	23,970	49.88%	0	0	0.0%	58,412	55,922	4.5%
S&P VALUE INDEX FUTURES	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TOPIX (USD)	0	-	-	139	-		0	-	-	139	-	-
TOPIX (YEN)	0	0	0.0%	509	4,616	-88.97%	0	0	0.0%	909	12,412	-92.7%
WATER INDEX FUTURES	0	0	0.0%	17	111	-84.68%	0	0	0.0%	70	391	-82.1%
Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	3,808	936	306.84%	0	0	0.0%	9,187	3,146	192.0%
DJIA	0	-	-	7,234	-		0	-	-	16,921	-	-
E-mini (\$5) Dow	0	0	0.0%	1,112	3,670	-69.70%	0	0	0.0%	3,717	7,621	-51.2%
E-MINI NASDAQ 100	0	0	0.0%	1,370,765	812,541	68.70%	0	0	0.0%	3,287,388	2,459,294	33.7%
E-MINI RUSSELL 2000	0	0	0.0%	171,421	144,631	18.52%	0	0	0.0%	378,364	500,804	-24.4%
E-MINI S&P500	0	0	0.0%	29,869,214	21,267,466	40.45%	0	0	0.0%	73,588,333	66,067,412	11.4%
EOM S&P 500	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHER OPTIONS	0	-	-	813	-		0	-	-	1,851	-	-
EVENT CONTRACT S&P 500	0	-	-	1,739	-		0	-	-	1,739	-	-
MICRO BITCOIN	0	0	0.0%	11,414	97	11,667.01%	0	0	0.0%	19,452	97	19,953.6%
MICRO E-MINI NASDAQ 100	0	0	0.0%	60,539	63,099	-4.06%	0	0	0.0%	170,689	210,429	-18.9%
Micro E-mini S&P 500	0	0	0.0%	285,957	244,116	17.14%	0	0	0.0%	850,939	856,402	-0.6%
MICRO ETHER	0	0	0.0%	15,453	100	15,353.00%	0	0	0.0%	30,590	100	30,490.0%
S&P 500	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

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Metals Futures												
ALUMINUM	0	0	0.0%	78,434	6,263	1,152.34%	0	0	0.0%	198,262	34,675	471.8%
COBALT METAL FUTURES	0	0	0.0%	15	0	0.00%	0	0	0.0%	288	11	2,518.2%
COMEX COPPER	0	0	0.0%	2,214,455	1,588,738	39.38%	0	0	0.0%	6,681,582	5,255,358	27.1%
COMEX E-Mini GOLD	0	0	0.0%	57,281	45,999	24.53%	0	0	0.0%	138,677	101,983	36.0%
COMEX E-Mini SILVER	0	0	0.0%	8,000	4,706	70.00%	0	0	0.0%	20,856	13,095	59.3%
COMEX GOLD	0	0	0.0%	6,947,202	6,112,811	13.65%	0	0	0.0%	15,697,690	15,930,942	-1.5%
COMEX MINY COPPER	0	0	0.0%	7,735	3,943	96.17%	0	0	0.0%	18,471	10,920	69.1%
COMEX SILVER	0	0	0.0%	1,488,831	1,399,328	6.40%	0	0	0.0%	4,446,016	4,249,956	4.6%
COPPER	0	0	0.0%	124,972	0	0.00%	0	0	0.0%	345,486	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	214	891	-75.98%	0	0	0.0%	968	1,753	-44.8%
GOLD	0	0	0.0%	1,076	14,095	-92.37%	0	0	0.0%	1,306	39,679	-96.7%
HOT ROLLED COIL STEEL FUT	0	0	0.0%	1,261	1,337	-5.68%	0	0	0.0%	5,955	1,960	203.8%
IRON ORE CHINA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
METALS	0	0	0.0%	15	0	0.00%	0	0	0.0%	102	27	277.8%
MICRO GOLD	0	0	0.0%	1,737,409	2,061,059	-15.70%	0	0	0.0%	4,259,392	3,966,378	7.4%
NYMEX HOT ROLLED STEEL	0	0	0.0%	9,276	6,238	48.70%	0	0	0.0%	26,554	16,812	57.9%
NYMEX PLATINUM	0	0	0.0%	588,102	573,161	2.61%	0	0	0.0%	1,413,630	1,325,373	6.7%
PALLADIUM	0	0	0.0%	43,299	48,924	-11.50%	0	0	0.0%	185,943	171,330	8.5%
SILVER	0	0	0.0%	242,982	262,167	-7.32%	0	0	0.0%	677,186	563,373	20.2%
URANIUM	0	0	0.0%	0	17	-100.00%	0	0	0.0%	0	18	-100.0%
Metals Options												
ALUMINUM	0	0	0.0%	629	0	0.00%	0	0	0.0%	1,204	0	0.0%
COMEX COPPER	0	0	0.0%	115,218	61,776	86.51%	0	0	0.0%	349,427	162,002	115.7%
COMEX GOLD	0	0	0.0%	1,379,266	1,140,131	20.97%	0	0	0.0%	2,972,012	2,569,494	15.7%
COMEX SILVER	0	0	0.0%	177,832	140,312	26.74%	0	0	0.0%	461,675	320,012	44.3%
COPPER	0	0	0.0%	11,497	452	2,443.58%	0	0	0.0%	33,641	1,256	2,578.4%
GOLD	0	0	0.0%	354,878	283,215	25.30%	0	0	0.0%	875,997	660,375	32.7%
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%	10	0	0.00%	0	0	0.0%	10	0	0.0%
NYMEX PLATINUM	0	0	0.0%	4,080	486	739.51%	0	0	0.0%	6,219	1,698	266.3%
PALLADIUM	0	0	0.0%	635	18	3,427.78%	0	0	0.0%	1,351	48	2,714.6%
SILVER	0	0	0.0%	41,588	18,464	125.24%	0	0	0.0%	110,945	64,834	71.1%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Futures												
AEP-DAYTON HUB DAILY	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%
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%	1,417,772	1,762,574	-19.56%	0	0	0.0%	3,496,516	5,797,722	-39.7%
CAR VINTAGE	0	0	0.0%	11,189	5,270	112.31%	0	0	0.0%	29,176	10,579	175.8%
CHICAGO ETHANOL SWAP	0	0	0.0%	302	72	319.44%	0	0	0.0%	568	882	-35.6%
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%
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%	0	0	0.0%
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%	164	0	0.00%	0	0	0.0%	591	0	0.0%
CRUDE OIL PHY	0	0	0.0%	21,638,785	28,330,136	-23.62%	0	0	0.0%	55,213,095	74,458,628	-25.8%
CRUDE OIL SPRDS	0	0	0.0%	140	0	0.00%	0	0	0.0%	358	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 TO FRONTLINE BRENT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DIESEL 10P BRG FOB RDM VS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DOMINION TRANSMISSION INC	-	0	0.0%	-	0	0.00%	-	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%	1,620	1,106	46.47%	0	0	0.0%	1,826	9,917	-81.6%
EAST/WEST FUEL OIL SPREAD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EIA FLAT TAX ONHWAY DIESE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC FINSETTLED	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ELECTRICITY OFF PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EMMISSIONS	0	0	0.0%	2,474	160	1,446.25%	0	0	0.0%	6,074	160	3,696.3%
ETHANOL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL T2 FOB ROTT INCL	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	0.00%	-	0	0.0%	-	0	0.0%
EURO GASOIL 10 CAL SWAP	0	-	-	0	-		0	-	-	0	-	-

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Futures												
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 3.5% FUEL OIL MED	-	0	0.0%	-	0	0.00%	-	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%	42	144	-70.83%	0	0	0.0%	163	360	-54.7%
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	0.00%	-	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%
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	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	-	-
GASOIL CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL CRACK SPREAD CALE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL MINI CALENDAR SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GERMAN POWER BASELOAD	0	0	0.0%	0	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	0.00%	-	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	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%	3,365,145	3,435,860	-2.06%	0	0	0.0%	9,555,374	11,747,331	-18.7%
HENRY HUB SWAP	0	0	0.0%	123	840	-85.36%	0	0	0.0%	145	964	-85.0%

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Energy Futures												
HOUSTON SHIP CHANNEL BAS	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
INDIANA MISO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
INDONESIAN COAL ICI4	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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 CIF NWE VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET FUEL UP-DOWN BALMO C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JKM LNG Futures	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARBOB GASOLINE(OPIS)S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA JET (OPIS) SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LLS (ARGUS) CALENDAR SWA	-	0	0.0%	-	0	0.00%	-	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%
LTD NAT GAS	0	0	0.0%	248,067	204,953	21.04%	0	0	0.0%	788,801	733,059	7.6%
MARS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	230	1,211	-81.01%	0	0	0.0%	754	2,671	-71.8%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MGN1 SWAP FUT	-	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%	11	7	57.14%	0	0	0.0%	36	21	71.4%
MINY NATURAL GAS	0	0	0.0%	261,528	195,933	33.48%	0	0	0.0%	1,004,153	621,304	61.6%
MINY RBOB GAS	0	0	0.0%	7	9	-22.22%	0	0	0.0%	34	26	30.8%
MINY WTI CRUDE OIL	0	0	0.0%	403,976	1,117,732	-63.86%	0	0	0.0%	1,011,369	2,184,186	-53.7%
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	115	-100.0%
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%	20	11	81.82%	0	0	0.0%	83	35	137.1%
MONT BELVIEU LDH PROPANE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	5	0	0.00%	0	0	0.0%	19	0	0.0%

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Energy Futures												
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%
NATURAL GAS	0	0	0.0%	66,934	48,911	36.85%	0	0	0.0%	183,555	141,873	29.4%
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%	8,534,283	6,835,727	24.85%	0	0	0.0%	25,310,771	23,235,801	8.9%
NEPOOL INTR HUB 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	0.00%	-	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%
NY1% VS GC SPREAD SWAP	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	0.00%	-	0	0.0%	-	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	47	7	571.43%	0	0	0.0%	61	11	454.5%
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%
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	0.00%	-	0	0.0%	-	0	0.0%
NYISO ZONE G 5MW D AH O P	-	0	0.0%	-	0	0.00%	-	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%
NY ULSD (ARGUS) VS HEATIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PANHANDLE BASIS SWAP FUT	-	0	0.0%	-	0	0.00%	-	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 DAILY	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 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

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Energy Futures												
PREMIUM UNLD 10P FOB MED	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	-	-
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%	3,538,729	4,052,556	-12.68%	0	0	0.0%	9,524,916	11,811,792	-19.4%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 180CST BALMO	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	-	-
SINGAPORE FUEL OIL 180 CS	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 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%
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%
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	0.00%	-	0	0.0%	-	0	0.0%
UK NBP NAT GAS CAL MTH FU	-	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%	16	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%

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CME Group Exchange Volume Comparison Report - Monthly

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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%	7,975	1,063	650.24%	0	0	0.0%	18,935	2,741	590.8%
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	0.00%	-	0	0.0%	-	0	0.0%
CRUDE OIL 1MO	0	0	0.0%	300	1,775	-83.10%	0	0	0.0%	1,375	15,169	-90.9%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL CALNDR STRIP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	0	-	-	6,464	-		0	-	-	22,086	-	-
CRUDE OIL PHY	0	0	0.0%	2,548,380	3,374,070	-24.47%	0	0	0.0%	5,781,385	7,990,923	-27.7%
ELEC FINSETTLED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRK SPD AVG P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	0	0	0.0%	958	2,248	-57.38%	0	0	0.0%	4,155	10,970	-62.1%
HENRY HUB FINANCIAL LAST	0	0	0.0%	2,544	20	12,620.00%	0	0	0.0%	10,919	60	18,098.3%
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%
NATURAL GAS	0	0	0.0%	0	178	-100.00%	0	0	0.0%	0	3,308	-100.0%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,854	4,900	-41.8%
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%	800	0	0.00%	0	0	0.0%	800	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%	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%	1,381,421	1,086,080	27.19%	0	0	0.0%	3,477,492	3,229,436	7.7%
NATURAL GAS SUMMER STRIF	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	35	92	-61.96%	0	0	0.0%	455	146	211.6%
PETROCHEMICALS	0	0	0.0%	0	5	-100.00%	0	0	0.0%	0	5	-100.0%
PETRO OUTRIGHT EURO	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
RBOB 1MO CAL SPD OPTIONS	0	-	-	0	-		0	-	-	0	-	-
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Options												
RBOB PHY	0	0	0.0%	625	473	32.14%	0	0	0.0%	1,707	4,630	-63.1%
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%	300	600	-50.00%	0	0	0.0%	625	1,550	-59.7%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	100	0	0.00%	0	0	0.0%	200	271	-26.2%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	99	72	37.50%	0	0	0.0%	151	118	28.0%
AD/JY CROSS RATES	0	0	0.0%	2,996	8,484	-64.69%	0	0	0.0%	5,501	16,661	-67.0%
AD/NE CROSS RATES	0	0	0.0%	3,984	2,787	42.95%	0	0	0.0%	7,335	4,072	80.1%
AUSTRALIAN DOLLAR	0	0	0.0%	2,750,748	2,240,503	22.77%	0	0	0.0%	6,191,709	5,910,908	4.8%
BP/JY CROSS RATES	0	0	0.0%	5,163	5,297	-2.53%	0	0	0.0%	9,986	10,508	-5.0%
BP/SF CROSS RATES	0	0	0.0%	3,657	2,556	43.08%	0	0	0.0%	8,742	6,859	27.5%
BRAZIL REAL	0	0	0.0%	287,972	277,937	3.61%	0	0	0.0%	830,410	880,048	-5.6%
BRITISH POUND	0	0	0.0%	3,044,047	2,859,680	6.45%	0	0	0.0%	6,561,318	6,872,993	-4.5%
CANADIAN DOLLAR	0	0	0.0%	2,587,608	2,099,590	23.24%	0	0	0.0%	5,501,178	5,148,070	6.9%
CD/JY CROSS RATES	0	0	0.0%	1	34	-97.06%	0	0	0.0%	6	243	-97.5%
CHINESE RENMINBI (CNH)	0	0	0.0%	35,657	30,790	15.81%	0	0	0.0%	87,605	58,029	51.0%
CZECK KORUNA (EC)	0	0	0.0%	2	8	-75.00%	0	0	0.0%	4	11	-63.6%
CZECK KORUNA (US)	0	0	0.0%	11	5	120.00%	0	0	0.0%	11	10	10.0%
EC/AD CROSS RATES	0	0	0.0%	11,522	10,971	5.02%	0	0	0.0%	14,813	16,867	-12.2%
EC/CD CROSS RATES	0	0	0.0%	14,239	19,240	-25.99%	0	0	0.0%	19,419	26,048	-25.4%
EC/NOK CROSS RATES	0	0	0.0%	2,379	2,542	-6.41%	0	0	0.0%	4,121	3,513	17.3%
EC/SEK CROSS RATES	0	0	0.0%	5,523	5,119	7.89%	0	0	0.0%	9,737	7,369	32.1%
EFX/BP CROSS RATES	0	0	0.0%	118,646	197,476	-39.92%	0	0	0.0%	182,677	310,831	-41.2%
EFX/JY CROSS RATES	0	0	0.0%	88,016	123,139	-28.52%	0	0	0.0%	141,300	216,009	-34.6%
EFX/SF CROSS RATES	0	0	0.0%	49,773	81,931	-39.25%	0	0	0.0%	72,377	141,663	-48.9%
E-MICRO USD/CAD	0	0	0.0%	200	562	-64.41%	0	0	0.0%	594	1,179	-49.6%
E-MICRO USD/CHF	0	0	0.0%	218	141	54.61%	0	0	0.0%	505	240	110.4%
E-MICRO USD/JPY	0	0	0.0%	1,588	7,681	-79.33%	0	0	0.0%	3,924	12,125	-67.6%
E-MINI EURO FX	0	0	0.0%	180,148	182,770	-1.43%	0	0	0.0%	458,536	417,446	9.8%
E-MINI JAPANESE YEN	0	0	0.0%	12,216	9,160	33.36%	0	0	0.0%	36,890	20,333	81.4%
EURO FX	0	0	0.0%	7,147,363	6,764,814	5.65%	0	0	0.0%	15,029,395	14,106,447	6.5%
HUNGARIAN FORINT (EC)	0	0	0.0%	6	0	0.00%	0	0	0.0%	13	0	0.0%

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FX Futures												
HUNGARIAN FORINT (US)	0	0	0.0%	25	4	525.00%	0	0	0.0%	46	27	70.4%
INDIAN RUPEE	0	0	0.0%	27,287	21,808	25.12%	0	0	0.0%	106,447	57,510	85.1%
JAPANESE YEN	0	0	0.0%	4,612,773	3,386,273	36.22%	0	0	0.0%	10,195,969	7,626,460	33.7%
KOREAN WON	0	0	0.0%	268	360	-25.56%	0	0	0.0%	626	1,461	-57.2%
MEXICAN PESO	0	0	0.0%	2,362,848	1,425,666	65.74%	0	0	0.0%	4,147,689	3,184,613	30.2%
MICRO AUD/USD	0	0	0.0%	323,759	250,331	29.33%	0	0	0.0%	907,424	783,404	15.8%
MICRO CAD/USD	0	0	0.0%	73,924	48,204	53.36%	0	0	0.0%	200,969	165,101	21.7%
MICRO CHF/USD	0	0	0.0%	16,178	14,336	12.85%	0	0	0.0%	50,487	32,737	54.2%
MICRO EUR/USD	0	0	0.0%	807,442	791,861	1.97%	0	0	0.0%	2,209,459	2,086,880	5.9%
MICRO GBP/USD	0	0	0.0%	78,454	89,348	-12.19%	0	0	0.0%	230,301	249,045	-7.5%
MICRO INR/USD	0	0	0.0%	592	904	-34.51%	0	0	0.0%	1,892	2,574	-26.5%
MICRO JPY/USD	0	0	0.0%	0	12,799	-100.00%	0	0	0.0%	0	101,719	-100.0%
MICRO USD/CNH	0	0	0.0%	0	1	-100.00%	0	0	0.0%	0	2	-100.0%
NEW ZEALND DOLLAR	0	0	0.0%	827,743	679,054	21.90%	0	0	0.0%	1,877,168	1,710,255	9.8%
NKR/USD CROSS RATE	0	0	0.0%	6,925	4,892	41.56%	0	0	0.0%	9,580	10,756	-10.9%
POLISH ZLOTY (EC)	0	0	0.0%	8	444	-98.20%	0	0	0.0%	54	542	-90.0%
POLISH ZLOTY (US)	0	0	0.0%	1,062	3,567	-70.23%	0	0	0.0%	2,077	5,146	-59.6%
RMB USD	0	0	0.0%	0	3	-100.00%	0	0	0.0%	5	4	25.0%
RUSSIAN RUBLE	0	0	0.0%	0	12,569	-100.00%	0	0	0.0%	0	573,626	-100.0%
S.AFRICAN RAND	0	0	0.0%	98,845	107,774	-8.28%	0	0	0.0%	206,493	263,311	-21.6%
SF/JY CROSS RATES	0	0	0.0%	1,084	571	89.84%	0	0	0.0%	1,757	660	166.2%
SHEKEL	0	0	0.0%	172	5	3,340.00%	0	0	0.0%	254	39	551.3%
SKR/USD CROSS RATES	0	0	0.0%	7,229	9,723	-25.65%	0	0	0.0%	14,795	19,660	-24.7%
SWISS FRANC	0	0	0.0%	611,543	642,705	-4.85%	0	0	0.0%	1,341,150	1,481,286	-9.5%
TURKISH LIRA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
USDZAR	0	0	0.0%	57	0	0.00%	0	0	0.0%	97	27	259.3%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	303	489	-38.04%	0	0	0.0%	391	1,364	-71.3%
AUD/USD MONDAY OPTION W	0	0	0.0%	1,351	126	972.22%	0	0	0.0%	1,922	2,246	-14.4%
AUD/USD MONDAY OPTION W	0	0	0.0%	862	471	83.01%	0	0	0.0%	870	890	-2.2%
AUD/USD MONDAY OPTION W	0	0	0.0%	148	113	30.97%	0	0	0.0%	942	793	18.8%
AUD/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	315	779	-59.6%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	83,032	57,884	43.45%	0	0	0.0%	154,242	170,854	-9.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	1,400	-100.00%	0	0	0.0%	0	1,400	-100.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,739	1,242	120.53%	0	0	0.0%	6,158	7,046	-12.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2023	Open Outcry MAR 2022	% CHG	ELEC MAR 2023	ELEC MAR 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
FX Options												
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,707	1,665	2.52%	0	0	0.0%	4,805	8,403	-42.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,813	923	96.42%	0	0	0.0%	4,470	5,275	-15.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	949	257	269.26%	0	0	0.0%	949	257	269.3%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	122	1,267	-90.37%	0	0	0.0%	499	2,840	-82.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	196	451	-56.54%	0	0	0.0%	545	2,086	-73.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	47	259	-81.85%	0	0	0.0%	311	874	-64.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	199	78	155.13%	0	0	0.0%	821	1,261	-34.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	310	211	46.92%	0	0	0.0%	310	211	46.9%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	0	293	-100.00%	0	0	0.0%	5	1,597	-99.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,787	301	493.69%	0	0	0.0%	2,554	600	325.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	2,488	1,892	31.50%	0	0	0.0%	5,273	4,505	17.0%
CAD/USD MONDAY OPTIONS	0	0	0.0%	3,493	552	532.79%	0	0	0.0%	3,501	575	508.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,064	508	109.45%	0	0	0.0%	2,741	2,969	-7.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	247	1,256	-80.3%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	117,434	63,297	85.53%	0	0	0.0%	229,140	184,385	24.3%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	5,640	-100.00%	0	0	0.0%	0	5,640	-100.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,622	1,200	118.50%	0	0	0.0%	9,661	14,735	-34.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,683	4,765	-43.69%	0	0	0.0%	7,437	16,467	-54.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,878	4,912	-0.69%	0	0	0.0%	10,194	14,972	-31.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,727	652	625.00%	0	0	0.0%	5,073	652	678.1%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	950	644	47.52%	0	0	0.0%	2,584	3,190	-19.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	982	206	376.70%	0	0	0.0%	2,175	4,028	-46.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,053	520	102.50%	0	0	0.0%	4,315	3,932	9.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,762	3,128	-11.70%	0	0	0.0%	5,348	6,542	-18.3%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	889	2,938	-69.74%	0	0	0.0%	889	2,938	-69.7%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	3,961	3,954	0.18%	0	0	0.0%	8,937	19,125	-53.3%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	520	-100.00%	0	0	0.0%	0	520	-100.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	506	29	1,644.83%	0	0	0.0%	814	631	29.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	91	40	127.50%	0	0	0.0%	465	363	28.1%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,452	34	4,170.59%	0	0	0.0%	4,295	713	502.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	336	0	0.00%	0	0	0.0%	342	0	0.0%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	204	-100.0%
EUR/GBP WKLY FRIDAY OPTIC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EURODOLLARS	0	-	-	3,149	-		0	-	-	10,789	-	-
EUR/USD MONDAY OPTION W	0	0	0.0%	1,874	4,544	-58.76%	0	0	0.0%	6,944	6,963	-0.3%
EUR/USD MONDAY OPTION W	0	0	0.0%	2,136	2,511	-14.93%	0	0	0.0%	6,107	12,438	-50.9%
EUR/USD MONDAY OPTION W	0	0	0.0%	3,369	989	240.65%	0	0	0.0%	4,750	2,678	77.4%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2023	Open Outcry MAR 2022	% CHG	ELEC MAR 2023	ELEC MAR 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
FX Options												
EUR/USD MONDAY OPTION W	0	0	0.0%	2,398	2,923	-17.96%	0	0	0.0%	6,619	6,251	5.9%
EUR/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	955	2,856	-66.6%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	310,264	227,121	36.61%	0	0	0.0%	743,354	702,340	5.8%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	22,695	-100.00%	0	0	0.0%	0	22,695	-100.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	23,423	11,708	100.06%	0	0	0.0%	62,080	61,960	0.2%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	22,710	17,832	27.36%	0	0	0.0%	79,015	50,449	56.6%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	112,646	21,871	415.05%	0	0	0.0%	137,644	68,818	100.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	8,024	1,904	321.43%	0	0	0.0%	8,265	1,904	334.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,424	6,505	-31.99%	0	0	0.0%	10,969	20,904	-47.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,339	8,131	-9.74%	0	0	0.0%	20,872	17,647	18.3%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,608	6,544	-29.58%	0	0	0.0%	16,422	17,743	-7.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	3,713	5,765	-35.59%	0	0	0.0%	13,000	15,311	-15.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,668	6,113	9.08%	0	0	0.0%	6,668	6,113	9.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	726	615	18.05%	0	0	0.0%	2,843	1,894	50.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	440	2	21,900.00%	0	0	0.0%	3,709	2,738	35.5%
GBP/USD MONDAY OPTION W	0	0	0.0%	727	141	415.60%	0	0	0.0%	1,545	489	216.0%
GBP/USD MONDAY OPTION W	0	0	0.0%	226	665	-66.02%	0	0	0.0%	658	2,444	-73.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	400	361	10.8%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	59,986	57,210	4.85%	0	0	0.0%	179,377	182,343	-1.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	2,790	-100.00%	0	0	0.0%	0	2,790	-100.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,660	477	457.65%	0	0	0.0%	9,125	6,477	40.9%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,169	2,100	3.29%	0	0	0.0%	7,597	9,835	-22.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,375	4,475	-69.27%	0	0	0.0%	4,356	9,691	-55.1%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,287	882	159.30%	0	0	0.0%	2,641	882	199.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	924	592	56.08%	0	0	0.0%	1,620	5,236	-69.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	568	59	862.71%	0	0	0.0%	5,133	1,986	158.5%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,227	643	246.35%	0	0	0.0%	3,779	4,260	-11.3%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,064	163	552.76%	0	0	0.0%	1,893	2,596	-27.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	93	330	-71.82%	0	0	0.0%	93	330	-71.8%
JPY/USD MONDAY OPTION WE	0	0	0.0%	552	892	-38.12%	0	0	0.0%	2,148	1,284	67.3%
JPY/USD MONDAY OPTION WE	0	0	0.0%	4,392	304	1,344.74%	0	0	0.0%	7,562	3,135	141.2%
JPY/USD MONDAY OPTION WE	0	0	0.0%	1,612	59	2,632.20%	0	0	0.0%	1,679	133	1,162.4%
JPY/USD MONDAY OPTION WE	0	0	0.0%	97	811	-88.04%	0	0	0.0%	1,500	2,218	-32.4%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,047	51	1,952.9%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	94,506	148,910	-36.53%	0	0	0.0%	273,577	360,477	-24.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	10,637	-100.00%	0	0	0.0%	0	10,637	-100.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	8,449	8,428	0.25%	0	0	0.0%	22,527	32,553	-30.8%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2023	Open Outcry MAR 2022	% CHG	ELEC MAR 2023	ELEC MAR 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
FX Options												
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	8,664	11,793	-26.53%	0	0	0.0%	24,818	31,029	-20.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,039	10,330	-41.54%	0	0	0.0%	15,211	32,407	-53.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	4,383	154	2,746.10%	0	0	0.0%	4,385	154	2,747.4%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	1,951	3,060	-36.24%	0	0	0.0%	6,919	9,167	-24.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,639	3,054	-13.59%	0	0	0.0%	8,168	9,191	-11.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,994	1,864	114.27%	0	0	0.0%	12,439	7,196	72.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	1,975	1,811	9.06%	0	0	0.0%	8,030	7,227	11.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	1,298	2,857	-54.57%	0	0	0.0%	1,298	2,857	-54.6%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	411	764	-46.20%	0	0	0.0%	794	2,810	-71.7%
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%	0	0	0.0%
MXN/USD WKLY FRIDAY OPTI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NZD/USD MONTHLY OPTIONS	0	0	0.0%	13	10	30.00%	0	0	0.0%	62	60	3.3%
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-		0	-	-	1	-	-
NZD/USD WKLY FRIDAY OPTIO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
RUB/USD MONTHLY OPTIONS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ZAR/USD MONTHLY OPTIONS	0	-	-	0	-		0	-	-	0	-	-
Ags Futures												
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	2	0.0%
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	0	0	0.00%	0	0	0.0%	3	23	-87.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2023	Open Outcry MAR 2022	% CHG	ELEC MAR 2023	ELEC MAR 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Foreign Exchange Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	48	11	336.36%	0	0	0.0%	542	1,925	-71.8%
OTC AUDUSD SUB	0	-	-	1,246	-		0	-	-	3,136	-	-
OTC EURUSD SUB	0	-	-	7,310	-		0	-	-	13,511	-	-
OTC GBPUSD SUB	0	-	-	797	-		0	-	-	4,598	-	-
OTC USDCAD SUB	0	-	-	7,283	-		0	-	-	9,352	-	-
OTC USDJPY SUB	0	-	-	1,476	-		0	-	-	3,396	-	-
Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	491	294	67.01%	0	0	0.0%	978	847	15.5%
BUTTER CS	0	0	0.0%	3,654	4,120	-11.31%	0	0	0.0%	10,015	14,991	-33.2%
CASH-SETTLED CHEESE	0	0	0.0%	13,381	9,608	39.27%	0	0	0.0%	35,089	28,446	23.4%
CAT ASIA WEATHER	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CATTLE	0	0	0.0%	1,642,121	1,537,282	6.82%	0	0	0.0%	4,095,327	4,065,212	0.7%
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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHI WHEAT	0	0	0.0%	2,459,589	2,902,903	-15.27%	0	0	0.0%	6,671,490	7,959,076	-16.2%
CLASS IV MILK	0	0	0.0%	443	1,533	-71.10%	0	0	0.0%	1,553	7,965	-80.5%
COFFEE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CORN	0	0	0.0%	7,073,566	6,947,917	1.81%	0	0	0.0%	19,493,687	21,907,331	-11.0%
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%	40,272	90,789	-55.64%	0	0	0.0%	106,390	174,023	-38.9%
DOW-UBS COMMOD INDEX SW	0	-	-	0	-		0	-	-	0	-	-
DRY WHEY	0	0	0.0%	1,352	978	38.24%	0	0	0.0%	3,177	2,906	9.3%
FEEDER CATTLE	0	0	0.0%	436,806	293,832	48.66%	0	0	0.0%	1,013,945	809,471	25.3%
FERTILIZER PRODUCTS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GOLDMAN SACHS	0	0	0.0%	1,829	3,638	-49.73%	0	0	0.0%	5,432	10,402	-47.8%
GSCI EXCESS RETURN FUT	0	0	0.0%	23	0	0.00%	0	0	0.0%	23	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%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	0	0	0.0%	1,334,304	1,057,710	26.15%	0	0	0.0%	3,199,238	3,093,964	3.4%
HOUSING INDEX	0	0	0.0%	18	13	38.46%	0	0	0.0%	53	42	26.2%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2023	Open Outcry MAR 2022	% CHG	ELEC MAR 2023	ELEC MAR 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Ag Products Futures												
KC WHEAT	0	0	0.0%	896,869	1,033,983	-13.26%	0	0	0.0%	2,703,653	3,300,062	-18.1%
LUMBER	0	0	0.0%	13,524	7,740	74.73%	0	0	0.0%	38,282	25,991	47.3%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	30,222	33,659	-10.21%	0	0	0.0%	78,958	94,019	-16.0%
MINI CORN	0	0	0.0%	29,411	112,425	-73.84%	0	0	0.0%	70,360	226,011	-68.9%
MINI SOYBEAN	0	0	0.0%	45,338	74,809	-39.39%	0	0	0.0%	114,357	235,405	-51.4%
MINI WHEAT	0	0	0.0%	27,300	45,532	-40.04%	0	0	0.0%	67,672	103,379	-34.5%
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%	5,875	6,886	-14.68%	0	0	0.0%	17,591	21,949	-19.9%
OATS	0	0	0.0%	12,596	6,970	80.72%	0	0	0.0%	33,042	30,905	6.9%
OTC SP GSCI ER SWAP	0	-	-	0	-		0	-	-	0	-	-
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PORK CUTOUT	0	0	0.0%	1,295	3,352	-61.37%	0	0	0.0%	3,543	8,313	-57.4%
ROUGH RICE	0	0	0.0%	15,537	14,667	5.93%	0	0	0.0%	50,647	51,833	-2.3%
SOYBEAN	0	0	0.0%	5,054,899	3,567,611	41.69%	0	0	0.0%	14,062,295	13,762,885	2.2%
SOYBEAN MEAL	0	0	0.0%	2,882,876	1,772,087	62.68%	0	0	0.0%	7,638,179	6,680,700	14.3%
SOYBEAN OIL	0	0	0.0%	3,168,081	1,985,939	59.53%	0	0	0.0%	8,314,803	6,789,016	22.5%
S&P GSCI ENHANCED ER SWA	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%	20	749	-97.33%	0	0	0.0%	20	5,900	-99.7%
Ag Products Options												
AUG-NOV SOYBEAN CAL SPR	0	-	-	0	-		0	-	-	0	-	-
BLOCK CHEESE	0	0	0.0%	318	240	32.50%	0	0	0.0%	508	610	-16.7%
BUTTER CS	0	0	0.0%	2,350	1,361	72.67%	0	0	0.0%	5,287	3,926	34.7%
CASH-SETTLED CHEESE	0	0	0.0%	5,465	7,682	-28.86%	0	0	0.0%	14,580	25,457	-42.7%
CATTLE	0	0	0.0%	362,815	232,185	56.26%	0	0	0.0%	798,473	610,510	30.8%
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	0	0.0%	724,057	771,209	-6.11%	0	0	0.0%	1,812,615	2,206,801	-17.9%
CLASS IV MILK	0	0	0.0%	7,006	5,873	19.29%	0	0	0.0%	19,910	20,509	-2.9%
CORN	0	0	0.0%	2,322,602	3,392,053	-31.53%	0	0	0.0%	5,432,758	7,904,572	-31.3%
CORN NEARBY+2 CAL SPRD	0	0	0.0%	31,718	40,046	-20.80%	0	0	0.0%	62,847	92,871	-32.3%
DEC-DEC CORN CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DEC-JULY CORN CAL SPRD	0	0	0.0%	110	1,100	-90.00%	0	0	0.0%	110	2,300	-95.2%
DEC-JULY WHEAT CAL SPRD	0	-	-	0	-		0	-	-	220	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2023	Open Outcry MAR 2022	% CHG	ELEC MAR 2023	ELEC MAR 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Ag Products Options												
DRY WHEY	0	0	0.0%	35	2,046	-98.29%	0	0	0.0%	63	2,067	-97.0%
FEEDER CATTLE	0	0	0.0%	84,762	39,974	112.04%	0	0	0.0%	180,721	102,386	76.5%
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	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	0	0	0.0%	345,716	255,693	35.21%	0	0	0.0%	848,294	777,121	9.2%
Intercommodity Spread	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	0	-	-	0	-		0	-	-	0	-	-
JULY-DEC CORN CAL SPRD	0	0	0.0%	13,406	9,104	47.25%	0	0	0.0%	27,172	30,137	-9.8%
JULY-DEC SOYMEAL CAL SPR	0	-	-	790	-		0	-	-	790	-	-
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	60	0	0.00%	0	0	0.0%	1,710	0	0.0%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	1,000	-100.00%	0	0	0.0%	0	3,000	-100.0%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	10	1	900.00%	0	0	0.0%	10	1	900.0%
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	14,607	4,241	244.42%	0	0	0.0%	35,711	13,969	155.6%
KC WHEAT	0	0	0.0%	75,591	59,015	28.09%	0	0	0.0%	176,741	268,844	-34.3%
LUMBER	0	0	0.0%	191	457	-58.21%	0	0	0.0%	754	1,729	-56.4%
LV CATL CSO	0	-	-	0	-		0	-	-	30	-	-
MAR-DEC CORN CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	9,631	9,575	0.6%
MAR-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	30	0	0.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	150	-100.0%
MILK	0	0	0.0%	29,668	22,997	29.01%	0	0	0.0%	68,819	57,597	19.5%
MLK MID OPTIONS	0	0	0.0%	2	23	-91.30%	0	0	0.0%	11	37	-70.3%
NFD MILK	0	0	0.0%	3,792	5,049	-24.90%	0	0	0.0%	11,844	12,651	-6.4%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	600	-100.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	5	0	0.00%	0	0	0.0%	15	0	0.0%
OATS	0	0	0.0%	134	371	-63.88%	0	0	0.0%	435	852	-48.9%
PORK CUTOUT	0	0	0.0%	0	30	-100.00%	0	0	0.0%	2	30	-93.3%
ROUGH RICE	0	0	0.0%	1,953	1,546	26.33%	0	0	0.0%	5,976	3,294	81.4%
SEP-DEC SOYBEAN MEAL CSC	0	-	-	0	-		0	-	-	0	-	-
SOYBEAN	0	0	0.0%	1,676,814	1,613,761	3.91%	0	0	0.0%	3,724,047	5,829,803	-36.1%
SOYBEAN CRUSH	0	0	0.0%	0	20	-100.00%	0	0	0.0%	5	41	-87.8%
SOYBEAN MEAL	0	0	0.0%	426,723	236,635	80.33%	0	0	0.0%	1,072,764	875,610	22.5%
SOYBEAN OIL	0	0	0.0%	298,484	258,941	15.27%	0	0	0.0%	756,962	744,582	1.7%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	3,546	4,890	-27.48%	0	0	0.0%	7,981	9,190	-13.2%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	700	-100.00%	0	0	0.0%	2,230	700	218.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2023	Open Outcry MAR 2022	% CHG	ELEC MAR 2023	ELEC MAR 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Ag Products Options												
SOY OIL NEARBY+2 CAL SPRD	0	-	-	75	-		0	-	-	175	-	-
WHEAT	0	0	0.0%	2,604	73	3,467.12%	0	0	0.0%	6,072	805	654.3%
WHEAT-CORN ICSD	0	0	0.0%	5	1,000	-99.50%	0	0	0.0%	205	1,020	-79.9%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	500	19,805	-97.48%	0	0	0.0%	3,465	22,733	-84.8%
TOTAL FUTURES GROUP												
Interest Rate Futures	1,743,077	1,102,496	58.1%	271,331,600	202,670,787	33.9%	3,469,832	2,639,959	31.4%	636,099,217	588,999,378	8.0%
Equity Index Futures	0	0	0.0%	151,586,102	139,016,642	9.0%	0	0	0.0%	366,629,191	414,875,628	-11.6%
Metals Futures	0	0	0.0%	13,550,559	12,129,677	11.7%	0	0	0.0%	34,118,364	31,683,643	7.7%
Energy Futures	0	0	0.0%	39,491,593	45,993,219	-14.1%	0	0	0.0%	106,128,454	130,757,437	-18.8%
FX Futures	0	0	0.0%	26,212,000	22,436,491	16.8%	0	0	0.0%	56,682,996	52,545,445	7.9%
Ags Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	2	0.0%
Foreign Exchange Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	23	-87.0%
Ag Products Futures	0	0	0.0%	25,191,692	21,517,026	17.1%	0	0	0.0%	67,829,799	69,411,044	-2.3%
TOTAL FUTURES	1,743,077	1,102,496	58.1%	527,363,546	443,763,842	18.8%	3,469,832	2,639,959	31.4%	1,267,488,026	1,288,272,600	-1.6%
TOTAL OPTIONS GROUP												
Equity Index Options	0	0	0.0%	31,799,469	22,536,656	41.1%	0	0	0.0%	78,359,170	70,105,305	11.8%
Interest Rate Options	42,718,968	23,385,808	82.7%	51,424,910	36,077,265	42.5%	97,160,547	61,239,068	58.7%	121,544,170	96,399,297	26.1%
Metals Options	0	0	0.0%	2,085,633	1,644,854	26.8%	0	0	0.0%	4,812,481	3,779,719	27.3%
Energy Options	0	0	0.0%	3,949,902	4,466,604	-11.6%	0	0	0.0%	9,322,988	11,264,109	-17.2%
FX Options	0	0	0.0%	981,128	786,899	24.7%	0	0	0.0%	2,234,927	2,261,126	-1.2%
Ag Products Options	0	0	0.0%	6,435,914	6,989,121	-7.9%	0	0	0.0%	15,089,973	19,636,080	-23.2%
Foreign Exchange Options	0	0	0.0%	18,160	11	164,990.9%	0	0	0.0%	34,535	1,925	1,694.0%
TOTAL OPTIONS	42,718,968	23,385,808	82.7%	96,695,116	72,501,410	33.4%	97,160,547	61,239,068	58.7%	231,398,244	203,447,561	13.7%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAR 2023	Open Outcry MAR 2022	% CHG	ELEC MAR 2023	ELEC MAR 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
TOTAL COMBINED												
Interest Rate	44,462,045	24,488,304	81.6%	322,756,510	238,748,052	35.2%	100,630,379	63,879,027	57.5%	757,643,387	685,398,675	10.5%
Equity Index	0	0	0.0%	183,385,571	161,553,298	13.5%	0	0	0.0%	444,988,361	484,980,933	-8.2%
Metals	0	0	0.0%	15,636,192	13,774,531	13.5%	0	0	0.0%	38,930,845	35,463,362	9.8%
Energy	0	0	0.0%	43,441,495	50,459,823	-13.9%	0	0	0.0%	115,451,442	142,021,546	-18.7%
FX	0	0	0.0%	27,193,128	23,223,390	17.1%	0	0	0.0%	58,917,923	54,806,571	7.5%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	2	0.0%
Foreign Exchange	0	0	0.0%	18,160	11	164,990.9%	0	0	0.0%	34,538	1,948	1,673.0%
Ag Products	0	0	0.0%	31,627,606	28,506,147	11.0%	0	0	0.0%	82,919,772	89,047,124	-6.9%
GRAND TOTAL	44,462,045	24,488,304	81.6%	624,058,662	516,265,252	20.9%	100,630,379	63,879,027	57.5%	1,498,886,270	1,491,720,161	0.5%

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