



## CME Exchange Volume Report - Monthly

	VOLUME MAR 2023	VOLUME MAR 2022	% CHG	VOIUME FEB 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>Interest Rate Futures</b>								
1-MONTH EURODOLLAR	0	34,022	-100.0%	6	-100.0%	6	58,422	-100.0%
BSBY 3-MONTH FUTURES	9,141	62,443	-85.4%	7,594	20.4%	19,971	297,155	-93.3%
ESTR Basis Spread Futures	1,458	0	-	1,568	-7.0%	4,566	0	-
ESTR Futures	31,714	0	-	44,206	-28.3%	102,344	0	-
EURODOLLARS	10,045,428	59,324,633	-83.1%	7,672,329	30.9%	26,244,377	169,118,548	-84.5%
FTIIE	334	113	195.6%	273	22.3%	747	433	72.5%
SOFR	118,656,278	36,802,339	222.4%	71,555,274	65.8%	242,287,538	74,374,609	225.8%
SONIA	76	44	72.7%	1,192	-93.6%	1,310	1,034	26.7%
<b>Interest Rate Options</b>								
EURODOLLARS	2,120,119	19,450,002	-89.1%	3,057,981	-30.7%	7,903,854	55,326,945	-85.7%
EURO MIDCURVE	75,193	14,365,519	-99.5%	213,195	-64.7%	564,821	36,993,548	-98.5%
SOFR	57,891,692	547,881	10,466.5%	35,623,489	62.5%	123,465,528	1,421,356	8,586.5%
SOFR MIDCURVE	9,807,006	561,847	1,645.5%	10,411,461	-5.8%	27,112,083	996,333	2,621.2%
SOFR MISCURVE	0	0	-	0	0.0%	700	0	-

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<b>Equity Index Futures</b>								
BITCOIN	276,542	183,131	51.0%	212,361	30.2%	687,237	545,980	25.9%
E-mini FTSE China 50	0	1,890	-100.0%	0	0.0%	44	3,384	-98.7%
E-MINI MIDCAP	484,297	483,893	0.1%	215,527	124.7%	926,719	1,144,520	-19.0%
E-MINI NASDAQ 100	17,972,459	15,198,331	18.3%	12,247,481	46.7%	42,563,308	45,495,369	-6.4%
E-MINI RUSSELL 1000	20,871	28,366	-26.4%	822	2,439.1%	35,104	34,217	2.6%
E-MINI RUSSELL 1000 GROWTH	14,585	19,092	-23.6%	3,221	352.8%	19,672	36,081	-45.5%
E-MINI RUSSELL 1000 VALUE	33,223	64,328	-48.4%	7,995	315.5%	48,646	85,946	-43.4%
E-MINI RUSSELL 2000	7,201,260	6,047,350	19.1%	3,790,546	90.0%	14,764,114	16,524,483	-10.7%
E-MINI S&P500	55,678,091	43,315,813	28.5%	36,593,360	52.2%	126,348,593	121,697,743	3.8%
E-MINI S&P500 ESG	49,728	55,464	-10.3%	12,282	304.9%	76,645	136,309	-43.8%
ETHER	0	0	-	0	0.0%	0	0	-
ETHER FUTURES	134,142	91,980	45.8%	123,928	8.2%	366,366	320,820	14.2%
FT-SE 100	0	673	-100.0%	145	-100.0%	145	892	-83.7%
FTSE Emerging	0	0	0.0%	0	-	0	0	0.0%
IBOVESPA INDEX	12	39	-69.2%	81	-85.2%	114	134	-14.9%
MICRO BITCOIN	271,333	394,261	-31.2%	202,079	34.3%	617,039	1,227,592	-49.7%
MICRO E-MINI NASDAQ 100	27,056,218	31,219,379	-13.3%	21,539,368	25.6%	71,662,668	99,429,440	-27.9%
MICRO E-MINI RUSSELL 2000	2,263,838	2,813,163	-19.5%	1,506,637	50.3%	5,470,066	10,960,204	-50.1%
MICRO E-MINI S&P500	30,385,024	28,968,667	4.9%	23,234,103	30.8%	79,986,758	84,722,329	-5.6%
MICRO ETHER	199,010	373,317	-46.7%	208,361	-4.5%	619,541	1,182,821	-47.6%
NASDAQ-100 VOLATILITY	18	2,089	-99.1%	498	-96.4%	3,192	12,146	-73.7%
NASDAQ BIOTECH SECTOR	223	213	4.7%	369	-39.6%	796	413	92.7%
Nearby BTIC+	0	350	-100.0%	0	0.0%	0	750	-100.0%
NIKKEI 225 (\$) STOCK	142,666	151,202	-5.6%	73,499	94.1%	310,112	425,545	-27.1%
NIKKEI 225 (YEN) STOCK	777,576	1,100,963	-29.4%	462,700	68.1%	1,799,332	2,812,086	-36.0%
PHLX SEMICONDUCTOR SECTO	546	0	-	216	152.8%	917	0	-
S&P 500	174,608	153,609	13.7%	106,138	64.5%	353,615	306,794	15.3%
S&P 500 ANNUAL DIVIDEND IND	121,023	134,254	-9.9%	56,509	114.2%	245,332	297,694	-17.6%
S&P 500 QUARLY DIVIDEND IND	27,235	6,426	323.8%	16,480	65.3%	58,053	16,122	260.1%
S&P BIOTECHNOLOGY SECTOR	2,107	0	-	417	405.3%	2,851	0	-
S&P COMMUNICATION SERVICE	8,690	6,887	26.2%	3,153	175.6%	13,416	11,580	15.9%
S&P CONSUMER DISCRETIONAF	18,857	21,840	-13.7%	6,125	207.9%	29,906	42,509	-29.6%
S&P CONSUMER STAPLES SECT	52,108	40,200	29.6%	23,605	120.7%	104,643	81,002	29.2%
S&P ENERGY SECTOR	98,127	151,866	-35.4%	23,271	321.7%	143,454	232,472	-38.3%
S&P FINANCIAL SECTOR	148,519	97,909	51.7%	23,768	524.9%	185,580	146,455	26.7%
S&P HEALTH CARE SECTOR	64,975	57,527	12.9%	15,457	320.4%	88,652	88,924	-0.3%
S&P INDUSTRIAL SECTOR	60,934	47,989	27.0%	10,463	482.4%	89,856	94,098	-4.5%
S&P MATERIALS SECTOR	23,417	24,692	-5.2%	8,588	172.7%	37,185	57,375	-35.2%
S&P OIL & GAS EXPLORATION A	562	0	-	106	430.2%	805	0	-
S&P REAL ESTATE SECTOR	20,547	18,059	13.8%	11,193	83.6%	42,334	30,652	38.1%
S&P REGIONAL BANKS SECTOR	1,922	0	-	175	998.3%	2,299	0	-
S&P RETAIL SECTOR	310	0	-	926	-66.5%	1,365	0	-
S&P TECHNOLOGY SECTOR	45,693	39,461	15.8%	10,571	332.2%	66,655	96,062	-30.6%
S&P UTILITIES SECTOR	107,255	71,136	50.8%	31,961	235.6%	162,477	121,952	33.2%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	-	0	0	0.0%
TOPIX (USD)	139	0	-	0	0.0%	139	0	-
TOPIX (YEN)	509	4,616	-89.0%	166	206.6%	909	12,412	-92.7%
WATER INDEX FUTURES	17	111	-84.7%	16	6.3%	70	391	-82.1%

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<b>Equity Index Options</b>								
BITCOIN OPTIONS	12,763	2,223	474.1%	5,330	139.5%	26,545	6,358	317.5%
E-MINI NASDAQ 100	1,371,565	814,866	68.3%	1,065,588	28.7%	3,291,198	2,461,999	33.7%
E-MINI RUSSELL 2000	171,421	145,487	17.8%	111,241	54.1%	378,364	501,660	-24.6%
E-MINI S&P500	31,869,471	22,894,320	39.2%	23,460,951	35.8%	78,293,674	70,314,934	11.3%
EOM S&P 500	0	0	0.0%	0	-	0	0	0.0%
ETHER OPTIONS	1,080	0	-	1,266	-14.7%	3,217	0	-
EVENT CONTRACT S&P 500	1,739	0	-	0	-	1,739	0	-
MICRO BITCOIN	11,414	117	9,655.6%	4,758	139.9%	29,452	117	25,072.6%
MICRO E-MINI NASDAQ 100	60,539	63,099	-4.1%	56,249	7.6%	170,689	210,429	-18.9%
Micro E-mini S&P 500	285,957	244,116	17.1%	283,673	0.8%	850,939	856,402	-0.6%
MICRO ETHER	15,453	20,100	-23.1%	12,008	28.7%	30,590	20,100	52.2%
S&P 500	0	0	0.0%	0	-	0	0	0.0%
<b>FX Futures</b>								
AD/CD CROSS RATES	99	72	37.5%	13	661.5%	151	118	28.0%
AD/JY CROSS RATES	3,939	8,484	-53.6%	1,277	208.5%	6,444	16,766	-61.6%
AD/NE CROSS RATES	4,240	5,629	-24.7%	1,308	224.2%	8,175	6,914	18.2%
AUSTRALIAN DOLLAR	2,764,914	2,267,582	21.9%	1,750,691	57.9%	6,236,573	5,965,220	4.5%
BP/JY CROSS RATES	8,385	8,511	-1.5%	2,146	290.7%	13,567	14,719	-7.8%
BP/SF CROSS RATES	5,171	2,556	102.3%	2,308	124.0%	10,403	6,859	51.7%
BRAZIL REAL	292,233	355,597	-17.8%	304,616	-4.1%	897,015	1,030,475	-13.0%
BRITISH POUND	3,131,760	2,952,302	6.1%	1,826,646	71.4%	6,678,256	7,033,476	-5.1%
CANADIAN DOLLAR	2,602,479	2,109,223	23.4%	1,533,267	69.7%	5,538,184	5,168,579	7.2%
CD/JY CROSS RATES	1	34	-97.1%	2	-50.0%	6	578	-99.0%
CHINESE RENMINBI (CNH)	35,657	30,790	15.8%	30,599	16.5%	87,605	58,029	51.0%
CZECK KORUNA (EC)	2	8	-75.0%	0	0.0%	4	11	-63.6%
CZECK KORUNA (US)	11	5	120.0%	50	-78.0%	217	10	2,070.0%
EC/AD CROSS RATES	12,182	11,197	8.8%	1,313	827.8%	15,473	17,385	-11.0%
EC/CD CROSS RATES	16,833	19,859	-15.2%	1,705	887.3%	22,013	27,543	-20.1%
EC/NOK CROSS RATES	5,984	3,186	87.8%	1,411	324.1%	8,714	4,267	104.2%
EC/SEK CROSS RATES	14,333	6,145	133.2%	2,533	465.9%	19,079	8,395	127.3%
EFX/BP CROSS RATES	129,438	200,716	-35.5%	33,778	283.2%	193,902	314,747	-38.4%
EFX/JY CROSS RATES	104,214	140,945	-26.1%	28,748	262.5%	160,379	238,622	-32.8%
EFX/SF CROSS RATES	64,185	94,011	-31.7%	8,557	650.1%	87,354	155,293	-43.7%
E-MICRO USD/CAD	200	562	-64.4%	120	66.7%	594	1,179	-49.6%
E-MICRO USD/CHF	218	141	54.6%	46	373.9%	505	240	110.4%
E-MICRO USD/JPY	1,588	7,681	-79.3%	503	215.7%	3,924	12,125	-67.6%
E-MINI EURO FX	180,148	182,770	-1.4%	128,683	40.0%	458,536	417,446	9.8%
E-MINI JAPANESE YEN	12,216	9,160	33.4%	11,965	2.1%	36,890	20,333	81.4%
EURO FX	7,343,077	6,946,713	5.7%	3,994,629	83.8%	15,282,274	14,363,584	6.4%
HUNGARIAN FORINT (EC)	6	18	-66.7%	6	0.0%	13	30	-56.7%
HUNGARIAN FORINT (US)	25	4	525.0%	12	108.3%	46	27	70.4%
INDIAN RUPEE	27,630	22,458	23.0%	32,815	-15.8%	108,809	58,864	84.8%
JAPANESE YEN	4,646,555	3,418,783	35.9%	2,654,991	75.0%	10,264,678	7,736,845	32.7%
KOREAN WON	1,590	753	111.2%	173	819.1%	1,984	2,582	-23.2%
MEXICAN PESO	2,426,463	1,430,959	69.6%	927,035	161.7%	4,219,233	3,204,787	31.7%
MICRO AUD/USD	323,759	250,331	29.3%	277,589	16.6%	907,424	783,404	15.8%
MICRO CAD/USD	73,924	48,204	53.4%	61,896	19.4%	200,969	165,101	21.7%
MICRO CHF/USD	16,178	14,336	12.8%	14,349	12.7%	50,487	32,737	54.2%

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<b>FX Futures</b>								
MICRO EUR/USD	807,442	791,861	2.0%	629,987	28.2%	2,209,459	2,086,880	5.9%
MICRO GBP/USD	78,454	89,348	-12.2%	73,976	6.1%	230,301	249,045	-7.5%
MICRO INR/USD	592	904	-34.5%	558	6.1%	1,892	2,574	-26.5%
MICRO JPY/USD	0	12,799	-100.0%	0	0.0%	0	101,719	-100.0%
MICRO USD/CNH	0	1	-100.0%	0	0.0%	0	2	-100.0%
NEW ZEALND DOLLAR	832,135	699,460	19.0%	563,777	47.6%	1,903,516	1,745,490	9.1%
NKR/USD CROSS RATE	9,035	5,292	70.7%	3,162	185.7%	14,753	11,450	28.8%
POLISH ZLOTY (EC)	194	454	-57.3%	26	646.2%	240	552	-56.5%
POLISH ZLOTY (US)	2,014	3,739	-46.1%	579	247.8%	3,478	5,833	-40.4%
RMB USD	0	3	-100.0%	0	0.0%	5	4	25.0%
RUSSIAN RUBLE	0	12,997	-100.0%	0	0.0%	0	584,169	-100.0%
S.AFRICAN RAND	118,726	129,102	-8.0%	61,799	92.1%	234,315	286,564	-18.2%
SF/JY CROSS RATES	2,208	1,274	73.3%	439	403.0%	2,925	1,363	114.6%
SHEKEL	172	5	3,340.0%	70	145.7%	254	39	551.3%
SKR/USD CROSS RATES	7,671	13,084	-41.4%	4,537	69.1%	16,454	26,166	-37.1%
SWISS FRANC	616,181	647,810	-4.9%	342,926	79.7%	1,350,252	1,489,842	-9.4%
TURKISH LIRA	131	112	17.0%	0	0.0%	131	128	2.3%
USDZAR	57	0	0.0%	40	42.5%	97	27	259.3%
<b>FX Options</b>								
AUD/USD MONDAY OPTION WEE	303	489	-38.0%	62	388.7%	391	1,364	-71.3%
AUD/USD MONDAY OPTION WEE	1,351	126	972.2%	151	794.7%	1,922	2,246	-14.4%
AUD/USD MONDAY OPTION WEE	862	471	83.0%	8	10,675.0%	870	890	-2.2%
AUD/USD MONDAY OPTION WEE	148	113	31.0%	31	377.4%	942	793	18.8%
AUD/USD MONDAY OPTION WEE	0	0	0.0%	0	0.0%	315	779	-59.6%
AUD/USD MONTHLY OPTIONS	84,886	64,616	31.4%	38,283	121.7%	156,832	314,362	-50.1%
AUD/USD WKLY FRIDAY OPTION	0	1,750	-100.0%	0	0.0%	0	1,750	-100.0%
AUD/USD WKLY FRIDAY OPTION	2,739	1,242	120.5%	3,043	-10.0%	6,896	7,046	-2.1%
AUD/USD WKLY FRIDAY OPTION	2,001	2,001	0.0%	1,532	30.6%	6,321	9,107	-30.6%
AUD/USD WKLY FRIDAY OPTION	2,109	1,255	68.0%	1,024	106.0%	5,466	6,331	-13.7%
AUD/USD WKLY FRIDAY OPTION	949	579	63.9%	318	198.4%	1,267	579	118.8%
AUD/USD WKLY WED OPTIONS -	122	1,267	-90.4%	224	-45.5%	499	3,140	-84.1%
AUD/USD WKLY WED OPTIONS -	196	451	-56.5%	99	98.0%	545	2,086	-73.9%
AUD/USD WKLY WED OPTIONS -	47	259	-81.9%	81	-42.0%	311	874	-64.4%
AUD/USD WKLY WED OPTIONS -	199	78	155.1%	259	-23.2%	1,121	1,261	-11.1%
AUD/USD WKLY WED OPTIONS -	310	211	46.9%	0	0.0%	310	211	46.9%
BRL/USD MONTHLY OPTIONS	0	293	-100.0%	1	-100.0%	5	1,597	-99.7%
CAD/USD MONDAY OPTIONS WE	1,787	301	493.7%	642	178.3%	2,554	600	325.7%
CAD/USD MONDAY OPTIONS WE	2,488	1,892	31.5%	1,936	28.5%	5,273	4,505	17.0%
CAD/USD MONDAY OPTIONS WE	3,493	552	532.8%	8	43,562.5%	3,501	575	508.9%
CAD/USD MONDAY OPTIONS WE	1,064	508	109.4%	665	60.0%	2,741	2,969	-7.7%
CAD/USD MONDAY OPTIONS WE	0	0	0.0%	0	0.0%	247	1,256	-80.3%
CAD/USD MONTHLY OPTIONS	117,738	109,151	7.9%	53,844	118.7%	246,206	268,058	-8.2%
CAD/USD WKLY FRIDAY OPTION	0	5,994	-100.0%	0	0.0%	0	5,994	-100.0%
CAD/USD WKLY FRIDAY OPTION	2,916	1,200	143.0%	3,790	-23.1%	10,351	15,335	-32.5%
CAD/USD WKLY FRIDAY OPTION	2,989	5,119	-41.6%	3,077	-2.9%	8,505	17,525	-51.5%
CAD/USD WKLY FRIDAY OPTION	5,184	5,258	-1.4%	2,452	111.4%	11,228	16,050	-30.0%
CAD/USD WKLY FRIDAY OPTION	4,727	652	625.0%	346	1,266.2%	5,073	652	678.1%
CAD/USD WKLY WED OPTIONS -	950	644	47.5%	216	339.8%	2,584	3,190	-19.0%
CAD/USD WKLY WED OPTIONS -	982	206	376.7%	473	107.6%	2,175	4,028	-46.0%

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<b>FX Options</b>								
CAD/USD WKLY WED OPTIONS -	1,053	520	102.5%	2,593	-59.4%	4,315	3,932	9.7%
CAD/USD WKLY WED OPTIONS -	2,762	3,128	-11.7%	303	811.6%	5,348	6,542	-18.3%
CAD/USD WKLY WED OPTIONS -	889	2,938	-69.7%	0	0.0%	889	2,938	-69.7%
CHF/USD MONTHLY OPTIONS	7,961	3,954	101.3%	3,862	106.1%	18,047	19,125	-5.6%
CHF/USD WKLY FRIDAY OPTION	0	520	-100.0%	0	0.0%	0	520	-100.0%
CHF/USD WKLY FRIDAY OPTION	506	29	1,644.8%	202	150.5%	814	631	29.0%
CHF/USD WKLY FRIDAY OPTION	91	40	127.5%	183	-50.3%	465	363	28.1%
CHF/USD WKLY FRIDAY OPTION	1,452	34	4,170.6%	2,206	-34.2%	4,295	713	502.4%
CHF/USD WKLY FRIDAY OPTION	336	0	0.0%	6	5,500.0%	342	0	0.0%
EUR/GBP MONTHLY OPTIONS	0	1,750	-100.0%	0	0.0%	0	1,954	-100.0%
EUR/GBP WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
EURODOLLARS	3,149	0	-	4,184	-24.7%	10,789	0	-
EUR/USD MONDAY OPTION WEE	1,874	4,544	-58.8%	4,070	-54.0%	6,944	6,963	-0.3%
EUR/USD MONDAY OPTION WEE	2,136	3,711	-42.4%	1,582	35.0%	6,107	13,638	-55.2%
EUR/USD MONDAY OPTION WEE	3,369	989	240.6%	1,381	144.0%	4,750	2,678	77.4%
EUR/USD MONDAY OPTION WEE	2,398	3,523	-31.9%	3,079	-22.1%	6,619	8,651	-23.5%
EUR/USD MONDAY OPTION WEE	0	0	0.0%	0	0.0%	955	2,856	-66.6%
EUR/USD MONTHLY OPTIONS	433,529	233,893	85.4%	284,582	52.3%	919,979	718,884	28.0%
EUR/USD WKLY FRIDAY OPTION	0	25,097	-100.0%	0	0.0%	0	25,097	-100.0%
EUR/USD WKLY FRIDAY OPTION	23,423	11,708	100.1%	16,378	43.0%	62,680	65,996	-5.0%
EUR/USD WKLY FRIDAY OPTION	22,710	18,634	21.9%	36,144	-37.2%	79,015	52,673	50.0%
EUR/USD WKLY FRIDAY OPTION	112,646	22,269	405.8%	13,856	713.0%	137,644	76,238	80.5%
EUR/USD WKLY FRIDAY OPTION	8,024	2,296	249.5%	241	3,229.5%	8,265	2,296	260.0%
EUR/USD WKLY WED OPTIONS -	4,424	7,255	-39.0%	3,646	21.3%	10,969	21,654	-49.3%
EUR/USD WKLY WED OPTIONS -	7,339	8,131	-9.7%	8,459	-13.2%	20,872	17,647	18.3%
EUR/USD WKLY WED OPTIONS -	4,608	6,544	-29.6%	8,384	-45.0%	16,422	18,143	-9.5%
EUR/USD WKLY WED OPTIONS -	3,713	7,665	-51.6%	5,769	-35.6%	13,000	18,411	-29.4%
EUR/USD WKLY WED OPTIONS -	6,668	6,363	4.8%	0	0.0%	6,668	6,363	4.8%
GBP/USD MONDAY OPTION WEE	726	615	18.0%	1,138	-36.2%	2,843	1,894	50.1%
GBP/USD MONDAY OPTION WEE	440	2	21,900.0%	1,511	-70.9%	3,709	2,738	35.5%
GBP/USD MONDAY OPTION WEE	727	141	415.6%	818	-11.1%	1,545	489	216.0%
GBP/USD MONDAY OPTION WEE	226	665	-66.0%	195	15.9%	658	2,444	-73.1%
GBP/USD MONDAY OPTION WEE	0	0	0.0%	0	0.0%	400	361	10.8%
GBP/USD MONTHLY OPTIONS	64,700	57,800	11.9%	63,051	2.6%	194,093	196,131	-1.0%
GBP/USD WKLY FRIDAY OPTION	0	3,398	-100.0%	0	0.0%	0	3,398	-100.0%
GBP/USD WKLY FRIDAY OPTION	2,914	477	510.9%	3,856	-24.4%	10,055	7,273	38.3%
GBP/USD WKLY FRIDAY OPTION	2,425	2,698	-10.1%	4,303	-43.6%	8,513	13,493	-36.9%
GBP/USD WKLY FRIDAY OPTION	1,633	5,073	-67.8%	2,067	-21.0%	5,252	11,315	-53.6%
GBP/USD WKLY FRIDAY OPTION	2,287	1,478	54.7%	638	258.5%	2,925	1,478	97.9%
GBP/USD WKLY WED OPTIONS -	924	592	56.1%	205	350.7%	1,620	5,236	-69.1%
GBP/USD WKLY WED OPTIONS -	568	59	862.7%	2,393	-76.3%	5,133	1,986	158.5%
GBP/USD WKLY WED OPTIONS -	2,227	643	246.3%	426	422.8%	3,779	4,740	-20.3%
GBP/USD WKLY WED OPTIONS -	1,064	483	120.3%	345	208.4%	1,893	4,916	-61.5%
GBP/USD WKLY WED OPTIONS -	93	330	-71.8%	0	0.0%	93	330	-71.8%
JPY/USD MONDAY OPTION WEE	552	892	-38.1%	2,229	-75.2%	2,948	1,284	129.6%
JPY/USD MONDAY OPTION WEE	4,392	304	1,344.7%	2,777	58.2%	8,077	3,135	157.6%
JPY/USD MONDAY OPTION WEE	1,612	59	2,632.2%	67	2,306.0%	1,679	133	1,162.4%
JPY/USD MONDAY OPTION WEE	97	811	-88.0%	54	79.6%	1,500	2,218	-32.4%
JPY/USD MONDAY OPTION WEE	0	0	0.0%	0	0.0%	1,047	51	1,952.9%
JPY/USD MONTHLY OPTIONS	106,240	172,210	-38.3%	85,670	24.0%	303,943	398,281	-23.7%
JPY/USD WKLY FRIDAY OPTION	0	11,155	-100.0%	0	0.0%	0	11,155	-100.0%

**CME Exchange Volume Report - Monthly**

	VOLUME MAR 2023	VOLUME MAR 2022	% CHG	VOIUME FEB 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>FX Options</b>								
JPY/USD WKLY FRIDAY OPTION	9,539	8,428	13.2%	8,231	15.9%	24,215	32,973	-26.6%
JPY/USD WKLY FRIDAY OPTION	8,664	12,323	-29.7%	10,794	-19.7%	30,054	32,087	-6.3%
JPY/USD WKLY FRIDAY OPTION	6,289	10,866	-42.1%	4,665	34.8%	17,617	33,473	-47.4%
JPY/USD WKLY FRIDAY OPTION	4,641	682	580.5%	2	231,950.0%	4,643	682	580.8%
JPY/USD WKLY WED OPTIONS -	1,951	3,060	-36.2%	4,122	-52.7%	8,792	9,167	-4.1%
JPY/USD WKLY WED OPTIONS -	3,449	3,054	12.9%	2,167	59.2%	8,978	9,191	-2.3%
JPY/USD WKLY WED OPTIONS -	4,534	1,864	143.2%	4,210	7.7%	12,979	7,196	80.4%
JPY/USD WKLY WED OPTIONS -	1,975	1,811	9.1%	2,821	-30.0%	9,385	7,227	29.9%
JPY/USD WKLY WED OPTIONS -	1,298	2,857	-54.6%	0	0.0%	1,298	2,857	-54.6%
MXN/USD MONTHLY OPTIONS	411	764	-46.2%	179	129.6%	794	2,810	-71.7%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	0	0.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	0	0.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
NZD/USD MONTHLY OPTIONS	113	10	1,030.0%	44,946	-99.7%	73,558	60	122,496.7%
NZD/USD WKLY FRIDAY OPTION	0	0	-	1	-100.0%	1	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
RUB/USD MONTHLY OPTIONS	0	0	0.0%	0	-	0	0	0.0%
ZAR/USD MONTHLY OPTIONS	0	0	-	390	-100.0%	730	0	-
<b>Foreign Exchange Futures</b>								
CHILEAN PESO	0	0	0.0%	0	0.0%	3	23	-87.0%
<b>Foreign Exchange Options</b>								
AUD/USD WKLY WED OPTIONS -	48	11	336.4%	15	220.0%	542	1,925	-71.8%
OTC AUDUSD SUB	1,246	0	-	956	30.3%	3,136	0	-
OTC EURUSD SUB	7,310	0	-	5,175	41.3%	13,511	0	-
OTC GBPUSD SUB	797	0	-	2,167	-63.2%	4,598	0	-
OTC USDCAD SUB	7,283	0	-	1,519	379.5%	9,352	0	-
OTC USDJPY SUB	1,476	0	-	1,063	38.9%	3,396	0	-

## CME Exchange Volume Report - Monthly

	VOLUME MAR 2023	VOLUME MAR 2022	% CHG	VOIUME FEB 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>Ag Products Futures</b>								
BLOCK CHEESE	491	294	67.0%	316	55.4%	978	1,518	-35.6%
BUTTER CS	3,745	4,276	-12.4%	3,590	4.3%	10,671	15,787	-32.4%
CASH-SETTLED CHEESE	13,802	11,984	15.2%	10,596	30.3%	36,011	32,775	9.9%
CAT ASIA WEATHER	0	0	0.0%	0	-	0	0	0.0%
CATTLE	1,660,785	1,539,353	7.9%	1,029,736	61.3%	4,127,340	4,073,142	1.3%
CAT WEATHER EUROPEAN	0	0	0.0%	0	-	0	0	0.0%
CDD SEASONAL STRIP	2,450	800	206.3%	0	0.0%	2,450	1,050	133.3%
CDD WEATHER	0	2,000	-100.0%	0	0.0%	0	2,000	-100.0%
CLASS IV MILK	553	1,615	-65.8%	594	-6.9%	2,181	8,759	-75.1%
DRY WHEY	1,352	978	38.2%	894	51.2%	3,177	3,223	-1.4%
FEEDER CATTLE	439,290	294,814	49.0%	311,045	41.2%	1,022,703	810,545	26.2%
GOLDMAN SACHS	3,032	5,303	-42.8%	2,364	28.3%	8,079	12,067	-33.0%
GSCI EXCESS RETURN FUT	76,648	139,956	-45.2%	2,145	3,473.3%	79,621	154,167	-48.4%
HDD EURO SEASONAL STRIP	0	0	-	0	0.0%	0	0	-
HDD SEASONAL STRIP	0	0	0.0%	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	1,150	-100.0%	2,000	8,000	-75.0%
HDD WEATHER EUROPEAN	0	650	-100.0%	0	0.0%	7,500	3,875	93.5%
HOGS	1,344,292	1,062,179	26.6%	855,351	57.2%	3,215,551	3,105,899	3.5%
HOUSING INDEX	18	13	38.5%	23	-21.7%	53	42	26.2%
LUMBER	13,829	7,830	76.6%	12,421	11.3%	38,737	26,302	47.3%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
MILK	30,507	36,725	-16.9%	21,651	40.9%	79,798	98,543	-19.0%
MLK MID OPTIONS	0	0	0.0%	0	0.0%	0	0	0.0%
NFD MILK	6,265	6,886	-9.0%	5,426	15.5%	18,499	22,297	-17.0%
OTC SP GSCI ER SWAP	5,934	0	-	32,465	-81.7%	38,449	0	-
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0.0%	0	0	0.0%
PORK CUTOUT	1,295	3,352	-61.4%	1,201	7.8%	3,543	8,313	-57.4%
S&P GSCI ENHANCED ER SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
USD CRUDE PALM OIL	36,050	32,390	11.3%	29,895	20.6%	93,014	68,369	36.0%



## CME Exchange Volume Report - Monthly

	VOLUME MAR 2023	VOLUME MAR 2022	% CHG	VOIUME FEB 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>Ag Products Options</b>								
BLOCK CHEESE	318	240	32.5%	163	95.1%	508	610	-16.7%
BUTTER CS	2,410	1,361	77.1%	1,528	57.7%	5,407	4,535	19.2%
CASH-SETTLED CHEESE	7,055	10,532	-33.0%	4,402	60.3%	17,070	30,567	-44.2%
CATTLE	365,190	234,285	55.9%	227,632	60.4%	803,123	615,710	30.4%
CDD SEASONAL STRIP	3,000	5,000	-40.0%	18,000	-83.3%	21,000	5,500	281.8%
CDD WEATHER	6,000	0	0.0%	48,000	-87.5%	54,000	0	0.0%
CLASS IV MILK	7,246	5,897	22.9%	6,380	13.6%	20,987	20,623	1.8%
DRY WHEY	35	2,514	-98.6%	5	600.0%	63	2,535	-97.5%
FEEDER CATTLE	84,762	39,974	112.0%	47,535	78.3%	182,793	103,009	77.5%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0.0%	0	0	0.0%
HDD WEATHER	0	2,000	-100.0%	11,500	-100.0%	29,700	4,800	518.8%
HDD WEATHER EUROPEAN	0	0	0.0%	10,000	-100.0%	20,000	1,000	1,900.0%
HOGS	346,741	260,157	33.3%	242,377	43.1%	851,919	790,771	7.7%
LUMBER	191	457	-58.2%	231	-17.3%	754	1,729	-56.4%
LV CATL CSO	0	0	-	5	-100.0%	30	0	-
MILK	30,468	23,084	32.0%	18,390	65.7%	71,885	58,084	23.8%
MLK MID OPTIONS	2	23	-91.3%	6	-66.7%	11	37	-70.3%
NFD MILK	5,070	5,779	-12.3%	5,129	-1.2%	15,263	15,811	-3.5%
PORK CUTOUT	0	30	-100.0%	0	0.0%	2	30	-93.3%

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## CME Exchange Volume Report - Monthly

	VOLUME MAR 2023	VOLUME MAR 2022	% CHG	VOIUME FEB 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	128,744,429	96,223,594	33.8%	79,282,442	62.4%	268,660,859	243,850,201	10.2%
Equity Index Futures	143,939,216	131,390,536	9.6%	100,784,667	42.8%	347,936,724	388,435,698	-10.4%
FX Futures	26,724,649	22,957,970	16.4%	15,317,656	74.5%	57,487,952	53,459,137	7.5%
Foreign Exchange Futures	0	0	0.0%	0	0.0%	3	23	-87.0%
Ag Products Futures	3,640,338	3,151,398	15.5%	2,320,863	56.9%	8,790,355	8,456,673	3.9%
<b>TOTAL FUTURES</b>	<b>303,048,632</b>	<b>253,723,498</b>	<b>19.4%</b>	<b>197,705,628</b>	<b>53.3%</b>	<b>682,875,893</b>	<b>694,201,732</b>	<b>-1.6%</b>
<b>TOTAL OPTIONS GROUP</b>								
Equity Index Options	33,801,402	24,184,328	39.8%	25,001,064	35.2%	83,076,407	74,371,999	11.7%
Interest Rate Options	69,894,010	34,925,249	100.1%	49,306,126	41.8%	159,046,986	94,738,182	67.9%
FX Options	1,132,311	887,817	27.5%	767,946	47.4%	2,585,393	2,602,261	-0.6%
Ag Products Options	858,488	591,333	45.2%	641,283	33.9%	2,094,515	1,655,351	26.5%
Foreign Exchange Options	18,160	11	164,990.9%	10,895	66.7%	34,535	1,925	1,694.0%
<b>TOTAL OPTIONS</b>	<b>105,704,371</b>	<b>60,588,738</b>	<b>74.5%</b>	<b>75,727,314</b>	<b>39.6%</b>	<b>246,837,836</b>	<b>173,369,718</b>	<b>42.4%</b>
<b>TOTAL COMBINED</b>								
Interest Rate	198,638,439	131,148,843	51.5%	128,588,568	54.5%	427,707,845	338,588,383	26.3%
Equity Index	177,740,618	155,574,864	14.2%	125,785,731	41.3%	431,013,131	462,807,697	-6.9%
FX	27,856,960	23,845,787	16.8%	16,085,602	73.2%	60,073,345	56,061,398	7.2%
Foreign Exchange	18,160	11	164,990.9%	10,895	66.7%	34,538	1,948	1,673.0%
Ag Products	4,498,826	3,742,731	20.2%	2,962,146	51.9%	10,884,870	10,112,024	7.6%
<b>GRAND TOTAL</b>	<b>408,753,003</b>	<b>314,312,236</b>	<b>30.0%</b>	<b>273,432,942</b>	<b>49.5%</b>	<b>929,713,729</b>	<b>867,571,450</b>	<b>7.2%</b>

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