

CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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%	1,441	3,410	-57.74%	0	0	0.0%	3,415	5,988	-43.0%
10-YR Eris SOFR	0	0	0.0%	50	50	0.00%	0	0	0.0%	129	100	29.0%
10-YR MAC LIBOR	0	0	0.0%	3,670	18,653	-80.32%	0	0	0.0%	9,083	45,501	-80.0%
10-YR MAC SOFR	0	-	-	9	-		0	-	-	9	-	-
10-YR NOTE	0	0	0.0%	50,491,801	52,602,719	-4.01%	0	0	0.0%	80,361,344	87,855,001	-8.5%
10Y YIELD	0	0	0.0%	80,057	124,835	-35.87%	0	0	0.0%	107,444	204,551	-47.5%
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%	6	0	0.00%	0	0	0.0%	6	0	0.0%
1-YR Eris BSBY	0	-	-	0	-		0	-	-	0	-	-
1-YR Eris SOFR	0	0	0.0%	0	54,387	-100.00%	0	0	0.0%	0	71,986	-100.0%
20-YR BOND	0	-	-	989	-		0	-	-	1,580	-	-
20-YR Eris LIBOR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
2-YR Eris LIBOR	0	0	0.0%	2,135	5,177	-58.76%	0	0	0.0%	3,999	9,993	-60.0%
2-YR Eris SOFR	0	0	0.0%	1,418	14,070	-89.92%	0	0	0.0%	4,211	18,532	-77.3%
2-YR NOTE	0	0	0.0%	19,339,799	19,150,632	0.99%	0	0	0.0%	28,195,176	28,238,199	-0.2%
2Y YIELD	0	0	0.0%	9,015	7,594	18.71%	0	0	0.0%	14,032	16,627	-15.6%
30-Year UMBS TBA Futures - 2.5	0	-	-	133	-		0	-	-	202	-	-
30-Year UMBS TBA Futures - 3.0	0	-	-	141	-		0	-	-	385	-	-
30-Year UMBS TBA Futures - 3.5	0	-	-	150	-		0	-	-	329	-	-
30-Year UMBS TBA Futures - 4.0	0	-	-	205	-		0	-	-	276	-	-
30-Year UMBS TBA Futures - 4.5	0	-	-	69	-		0	-	-	89	-	-
30-Year UMBS TBA Futures - 5.0	0	-	-	211	-		0	-	-	461	-	-
30-Year UMBS TBA Futures - 5.5	0	-	-	192	-		0	-	-	477	-	-
30-Year UMBS TBA Futures - 6.0	0	-	-	330	-		0	-	-	451	-	-
30-YR BOND	0	0	0.0%	9,920,420	10,761,007	-7.81%	0	0	0.0%	16,121,551	18,326,697	-12.0%
30-YR Eris LIBOR	0	0	0.0%	0	113	-100.00%	0	0	0.0%	0	113	-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%	1,255	16,734	-92.50%	0	0	0.0%	3,079	24,638	-87.5%
3-YR Eris BSBY	0	-	-	0	-		0	-	-	0	-	-
3-YR Eris LIBOR	0	0	0.0%	2,058	8,122	-74.66%	0	0	0.0%	3,068	20,241	-84.8%
3-YR Eris SOFR	0	0	0.0%	974	4,282	-77.25%	0	0	0.0%	2,069	5,743	-64.0%
3-YR NOTE	0	0	0.0%	128,855	402,294	-67.97%	0	0	0.0%	225,526	764,570	-70.5%
4-YR Eris LIBOR	0	0	0.0%	106	5,073	-97.91%	0	0	0.0%	729	12,786	-94.3%

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Interest Rate Futures												
4-YR Eris SOFR	0	0	0.0%	210	150	40.00%	0	0	0.0%	666	450	48.0%
5-YR Eris LIBOR	0	0	0.0%	8,405	33,790	-75.13%	0	0	0.0%	16,102	73,260	-78.0%
5-YR Eris SOFR	0	0	0.0%	1,282	720	78.06%	0	0	0.0%	1,498	2,140	-30.0%
5-YR MAC LIBOR	0	0	0.0%	16,746	26,377	-36.51%	0	0	0.0%	33,843	49,748	-32.0%
5-YR MAC SOFR	0	-	-	44	-		0	-	-	44	-	-
5-YR NOTE	0	0	0.0%	37,955,008	38,885,983	-2.39%	0	0	0.0%	57,161,068	60,402,710	-5.4%
5Y YIELD	0	0	0.0%	628	4,052	-84.50%	0	0	0.0%	816	6,611	-87.7%
7-YR Eris LIBOR	0	0	0.0%	268	3,452	-92.24%	0	0	0.0%	1,376	8,205	-83.2%
7-YR Eris SOFR	0	0	0.0%	0	0	0.00%	0	0	0.0%	92	0	0.0%
BSBY 3-MONTH FUTURES	0	0	0.0%	7,594	114,896	-93.39%	0	0	0.0%	10,830	234,212	-95.4%
ESTR Basis Spread Futures	0	-	-	1,568	-		0	-	-	3,108	-	-
ESTR Futures	0	-	-	44,206	-		0	-	-	70,630	-	-
EURODOLLARS	98,380	850,268	-88.4%	7,551,022	54,979,597	-86.27%	219,936	1,527,831	-85.6%	15,911,384	106,559,623	-85.1%
FED FUND	0	0	0.0%	10,587,856	8,981,892	17.88%	0	0	0.0%	18,188,387	16,131,565	12.8%
FTIIE	0	0	0.0%	273	187	45.99%	0	0	0.0%	413	270	53.0%
SOFR	973,187	8,722	11,057.8%	68,787,686	22,875,751	200.70%	1,506,819	9,632	15,543.9%	119,050,173	37,396,610	218.3%
SONIA	0	0	0.0%	50	650	-92.31%	0	0	0.0%	92	990	-90.7%
Ultra 10-Year Note	0	0	0.0%	11,604,409	11,670,379	-0.57%	0	0	0.0%	18,243,571	19,034,937	-4.2%
ULTRA T-BOND	0	0	0.0%	7,678,648	7,355,887	4.39%	0	0	0.0%	11,014,404	10,805,690	1.9%

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Interest Rate Options												
10-YR NOTE	0	0	0.0%	15,878,502	13,193,887	20.35%	0	0	0.0%	29,572,026	27,450,213	7.7%
2-YR NOTE	0	0	0.0%	339,834	30,599	1,010.60%	0	0	0.0%	587,547	60,256	875.1%
30-YR BOND	0	0	0.0%	2,673,831	2,014,907	32.70%	0	0	0.0%	4,976,999	4,492,958	10.8%
5-YR NOTE	0	0	0.0%	6,656,223	4,614,880	44.23%	0	0	0.0%	10,715,020	9,444,460	13.5%
EURODOLLARS	395,254	11,528,190	-96.6%	2,563,727	4,633,148	-44.67%	1,155,842	23,289,975	-95.0%	4,498,893	10,780,397	-58.3%
EURO MIDCURVE	161,150	6,489,533	-97.5%	52,045	3,728,311	-98.60%	310,044	13,983,777	-97.8%	179,584	7,855,577	-97.7%
FED FUND	0	0	0.0%	2	21	-90.48%	0	0	0.0%	2	42	-95.2%
SOFR	22,462,924	214,835	10,355.9%	8,519,710	66,832	12,647.95%	41,893,483	307,985	13,502.4%	15,394,368	73,190	20,933.4%
SOFR MIDCURVE	6,269,636	216,573	2,794.9%	2,687,575	153,984	1,645.36%	11,082,210	271,523	3,981.5%	4,192,037	160,463	2,512.5%
SOFR MISCURVE	0	-	-	0	-	-	0	-	-	700	-	-
Ultra 10-Year Note	0	0	0.0%	264	0	0.00%	0	0	0.0%	483	438	10.3%
ULTRA T-BOND	0	0	0.0%	821	1,765	-53.48%	0	0	0.0%	1,601	4,038	-60.4%
Equity Index Futures												
BITCOIN	0	0	0.0%	196,828	164,890	19.37%	0	0	0.0%	378,804	344,375	10.0%
DJ US REAL ESTATE SECTOR	0	0	0.0%	20,274	22,808	-11.11%	0	0	0.0%	42,862	53,996	-20.6%
E-mini (\$5) Dow	0	0	0.0%	3,571,693	4,883,659	-26.86%	0	0	0.0%	7,000,755	10,309,693	-32.1%
E-mini FTSE China 50	0	0	0.0%	0	1,363	-100.00%	0	0	0.0%	44	1,494	-97.1%
E-MINI MIDCAP	0	0	0.0%	214,088	274,638	-22.05%	0	0	0.0%	439,812	652,204	-32.6%
E-MINI NASDAQ 100	0	0	0.0%	12,181,923	13,834,185	-11.94%	0	0	0.0%	24,482,633	30,111,300	-18.7%
E-MINI RUSSELL 1000	0	0	0.0%	637	2,036	-68.71%	0	0	0.0%	1,257	4,961	-74.7%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,285	6,881	-81.33%	0	0	0.0%	2,198	12,058	-81.8%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,797	3,913	-28.52%	0	0	0.0%	4,647	9,603	-51.6%
E-MINI RUSSELL 2000	0	0	0.0%	3,744,918	4,490,168	-16.60%	0	0	0.0%	7,460,650	10,321,005	-27.7%
E-MINI S&P500	0	0	0.0%	36,328,371	35,973,247	0.99%	0	0	0.0%	70,101,606	77,424,326	-9.5%
E-MINI S&P500 ESG	0	0	0.0%	11,964	34,571	-65.39%	0	0	0.0%	25,959	78,610	-67.0%
ETHER	0	-	-	0	-	-	0	-	-	0	-	-
ETHER FUTURES	0	0	0.0%	123,332	108,615	13.55%	0	0	0.0%	230,944	228,783	0.9%
FT-SE 100	0	0	0.0%	145	65	123.08%	0	0	0.0%	145	219	-33.8%
FTSE Emerging	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IBOVESPA INDEX	0	0	0.0%	81	58	39.66%	0	0	0.0%	102	95	7.4%

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Equity Index Futures												
MICRO BITCOIN	0	0	0.0%	202,079	415,067	-51.31%	0	0	0.0%	345,706	833,227	-58.5%
MICRO E-MINI NASDAQ 100	0	0	0.0%	21,539,368	32,747,966	-34.23%	0	0	0.0%	44,606,450	68,210,061	-34.6%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	1,506,637	3,476,456	-56.66%	0	0	0.0%	3,206,228	8,147,041	-60.6%
MICRO E-MINI S&P500	0	0	0.0%	23,234,103	26,496,926	-12.31%	0	0	0.0%	49,601,734	55,753,662	-11.0%
MICRO ETHER	0	0	0.0%	208,361	377,546	-44.81%	0	0	0.0%	420,531	809,504	-48.1%
MICRO MINI \$5 DOW	0	0	0.0%	2,467,912	4,830,819	-48.91%	0	0	0.0%	5,290,193	10,239,228	-48.3%
NASDAQ-100 VOLATILITY	0	0	0.0%	498	2,845	-82.50%	0	0	0.0%	3,174	10,057	-68.4%
NASDAQ BIOTECH SECTOR	0	0	0.0%	82	53	54.72%	0	0	0.0%	286	200	43.0%
Nearby BTIC+	0	0	0.0%	0	350	-100.00%	0	0	0.0%	0	400	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	73,499	123,993	-40.72%	0	0	0.0%	167,446	274,343	-39.0%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	462,700	860,238	-46.21%	0	0	0.0%	1,021,756	1,710,699	-40.3%
PHLX SEMICONDUCTOR SECT	0	-	-	6	-		0	-	-	161	-	-
S&P 500	0	0	0.0%	7,369	206	3,477.18%	0	0	0.0%	9,131	206	4,332.5%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	18,741	25,212	-25.67%	0	0	0.0%	32,504	49,176	-33.9%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	6,355	35	18,057.14%	0	0	0.0%	14,222	196	7,156.1%
S&P BIOTECHNOLOGY SECTO	0	-	-	317	-		0	-	-	644	-	-
S&P COMMUNICATION SERVIC	0	0	0.0%	1,160	1,665	-30.33%	0	0	0.0%	2,404	4,011	-40.1%
S&P CONSUMER DISCRETION	0	0	0.0%	3,630	5,355	-32.21%	0	0	0.0%	5,768	15,045	-61.7%
S&P CONSUMER STAPLES SE	0	0	0.0%	8,413	8,860	-5.05%	0	0	0.0%	21,662	17,696	22.4%
S&P ENERGY SECTOR	0	0	0.0%	13,402	25,949	-48.35%	0	0	0.0%	27,696	43,933	-37.0%
S&P FINANCIAL SECTOR	0	0	0.0%	8,030	14,917	-46.17%	0	0	0.0%	17,390	33,240	-47.7%
S&P HEALTH CARE SECTOR	0	0	0.0%	6,565	10,639	-38.29%	0	0	0.0%	11,668	26,852	-56.5%
S&P INDUSTRIAL SECTOR	0	0	0.0%	5,834	11,396	-48.81%	0	0	0.0%	11,519	27,817	-58.6%
S&P MATERIALS SECTOR	0	0	0.0%	5,008	4,305	16.33%	0	0	0.0%	9,378	9,660	-2.9%
S&P OIL & GAS EXPLORATION	0	-	-	106	-		0	-	-	243	-	-
S&P REAL ESTATE SECTOR	0	0	0.0%	2,795	2,155	29.70%	0	0	0.0%	5,018	4,779	5.0%
S&P REGIONAL BANKS SECTO	0	-	-	175	-		0	-	-	377	-	-
S&P RETAIL SECTOR	0	-	-	926	-		0	-	-	1,055	-	-
S&P TECHNOLOGY SECTOR	0	0	0.0%	7,687	14,592	-47.32%	0	0	0.0%	13,389	45,203	-70.4%
S&P UTILITIES SECTOR	0	0	0.0%	12,203	14,248	-14.35%	0	0	0.0%	22,485	31,952	-29.6%
S&P VALUE INDEX FUTURES	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TOPIX (USD)	0	-	-	0	-		0	-	-	0	-	-
TOPIX (YEN)	0	0	0.0%	166	3,858	-95.70%	0	0	0.0%	400	7,796	-94.9%
WATER INDEX FUTURES	0	0	0.0%	16	96	-83.33%	0	0	0.0%	53	280	-81.1%

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Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	2,629	964	172.72%	0	0	0.0%	5,379	2,210	143.4%
DJIA	0	-	-	5,726	-		0	-	-	9,687	-	-
E-mini (\$5) Dow	0	0	0.0%	896	1,708	-47.54%	0	0	0.0%	2,605	3,951	-34.1%
E-MINI NASDAQ 100	0	0	0.0%	1,064,148	746,255	42.60%	0	0	0.0%	1,916,623	1,646,753	16.4%
E-MINI RUSSELL 2000	0	0	0.0%	111,241	159,951	-30.45%	0	0	0.0%	206,943	356,173	-41.9%
E-MINI S&P500	0	0	0.0%	22,082,933	20,610,482	7.14%	0	0	0.0%	43,719,119	44,799,946	-2.4%
EOM S&P 500	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHER OPTIONS	0	-	-	636	-		0	-	-	1,038	-	-
MICRO BITCOIN	0	-	-	4,758	-		0	-	-	8,038	-	-
MICRO E-MINI NASDAQ 100	0	0	0.0%	56,249	66,999	-16.05%	0	0	0.0%	110,150	147,330	-25.2%
Micro E-mini S&P 500	0	0	0.0%	283,673	309,629	-8.38%	0	0	0.0%	564,982	612,286	-7.7%
MICRO ETHER	0	-	-	12,008	-		0	-	-	15,137	-	-
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%	60,192	15,506	288.19%	0	0	0.0%	119,828	28,412	321.8%
COBALT METAL FUTURES	0	0	0.0%	256	0	0.00%	0	0	0.0%	273	11	2,381.8%
COMEX COPPER	0	0	0.0%	2,501,086	2,006,971	24.62%	0	0	0.0%	4,467,127	3,666,620	21.8%
COMEX E-Mini GOLD	0	0	0.0%	37,101	26,078	42.27%	0	0	0.0%	81,396	55,984	45.4%
COMEX E-Mini SILVER	0	0	0.0%	5,423	4,357	24.47%	0	0	0.0%	12,856	8,389	53.2%
COMEX GOLD	0	0	0.0%	3,566,659	4,080,477	-12.59%	0	0	0.0%	8,750,488	9,818,131	-10.9%
COMEX MINY COPPER	0	0	0.0%	6,500	3,871	67.92%	0	0	0.0%	10,736	6,977	53.9%
COMEX SILVER	0	0	0.0%	1,605,161	1,581,346	1.51%	0	0	0.0%	2,957,185	2,850,628	3.7%
COPPER	0	0	0.0%	111,248	0	0.00%	0	0	0.0%	220,514	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	600	417	43.88%	0	0	0.0%	754	862	-12.5%
GOLD	0	0	0.0%	224	15,001	-98.51%	0	0	0.0%	230	25,584	-99.1%
HOT ROLLED COIL STEEL FUT	0	0	0.0%	1,986	376	428.19%	0	0	0.0%	4,694	623	653.5%
IRON ORE CHINA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
METALS	0	0	0.0%	65	27	140.74%	0	0	0.0%	87	27	222.2%
MICRO GOLD	0	0	0.0%	1,269,227	1,053,360	20.49%	0	0	0.0%	2,521,983	1,905,319	32.4%
NYMEX HOT ROLLED STEEL	0	0	0.0%	9,819	5,173	89.81%	0	0	0.0%	17,278	10,574	63.4%
NYMEX PLATINUM	0	0	0.0%	453,899	398,171	14.00%	0	0	0.0%	825,528	752,212	9.7%
PALLADIUM	0	0	0.0%	99,986	80,392	24.37%	0	0	0.0%	142,644	122,406	16.5%
SILVER	0	0	0.0%	205,734	161,699	27.23%	0	0	0.0%	434,204	301,206	44.2%
URANIUM	0	0	0.0%	0	1	-100.00%	0	0	0.0%	0	1	-100.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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
Metals Options												
ALUMINUM	0	0	0.0%	305	0	0.00%	0	0	0.0%	575	0	0.0%
COMEX COPPER	0	0	0.0%	103,109	60,423	70.65%	0	0	0.0%	234,209	100,226	133.7%
COMEX GOLD	0	0	0.0%	772,612	805,046	-4.03%	0	0	0.0%	1,592,746	1,429,363	11.4%
COMEX SILVER	0	0	0.0%	137,200	85,304	60.84%	0	0	0.0%	283,843	179,700	58.0%
COPPER	0	0	0.0%	14,648	643	2,178.07%	0	0	0.0%	22,144	804	2,654.2%
GOLD	0	0	0.0%	244,859	217,245	12.71%	0	0	0.0%	521,119	377,160	38.2%
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%	1,895	553	242.68%	0	0	0.0%	2,139	1,212	76.5%
PALLADIUM	0	0	0.0%	695	21	3,209.52%	0	0	0.0%	716	30	2,286.7%
SILVER	0	0	0.0%	30,047	20,803	44.44%	0	0	0.0%	69,357	46,370	49.6%
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%	951,683	2,286,315	-58.37%	0	0	0.0%	2,078,744	4,035,148	-48.5%
CAR VINTAGE	0	0	0.0%	10,934	2,669	309.67%	0	0	0.0%	17,987	5,309	238.8%
CHICAGO ETHANOL SWAP	0	0	0.0%	54	53	1.89%	0	0	0.0%	266	810	-67.2%
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%	123	0	0.00%	0	0	0.0%	427	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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
Energy Futures												
CRUDE OIL PHY	0	0	0.0%	15,897,447	24,940,745	-36.26%	0	0	0.0%	33,574,310	46,128,492	-27.2%
CRUDE OIL SPRDS	0	0	0.0%	102	0	0.00%	0	0	0.0%	218	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%	74	4,547	-98.37%	0	0	0.0%	206	8,811	-97.7%
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	-	-	1,253	-		0	-	-	3,600	-	-
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	-	-
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%	17	86	-80.23%	0	0	0.0%	121	216	-44.0%
EUROPEAN NAPHTHA BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPEAN NAPHTHA CRACK S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE DATED BRENT SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE JET KERO NWE CALS	-	0	0.0%	-	0	0.00%	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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
Energy Futures												
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 CLNDR	-	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 CALENDAR	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%	2,923,468	4,055,409	-27.91%	0	0	0.0%	6,190,229	8,311,471	-25.5%
HENRY HUB SWAP	0	0	0.0%	12	124	-90.32%	0	0	0.0%	22	124	-82.3%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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
Energy Futures												
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%	282,841	246,235	14.87%	0	0	0.0%	540,734	528,106	2.4%
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%	226	504	-55.16%	0	0	0.0%	524	1,460	-64.1%
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%	12	8	50.00%	0	0	0.0%	25	14	78.6%
MINY NATURAL GAS	0	0	0.0%	309,517	225,057	37.53%	0	0	0.0%	742,625	425,371	74.6%
MINY RBOB GAS	0	0	0.0%	11	8	37.50%	0	0	0.0%	27	17	58.8%
MINY WTI CRUDE OIL	0	0	0.0%	264,914	628,704	-57.86%	0	0	0.0%	607,393	1,066,454	-43.0%
MJC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MNC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE 5 DEC	0	0	0.0%	0	15	-100.00%	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%	23	11	109.09%	0	0	0.0%	63	24	162.5%
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%	14	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%
NATURAL GAS	0	0	0.0%	64,619	47,860	35.02%	0	0	0.0%	116,621	92,962	25.5%
NATURAL GAS PEN SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	0	0.0%	9,174,343	8,460,237	8.44%	0	0	0.0%	16,776,488	16,400,074	2.3%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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
Energy Futures												
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%	8	4	100.00%	0	0	0.0%	14	4	250.0%
NY HARBOR LOW SULPUR GA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR RESIDUAL FUEL 1	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%
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	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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
Energy Futures												
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%	2,959,657	4,180,441	-29.20%	0	0	0.0%	5,986,187	7,759,236	-22.9%
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 A	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%	16	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%

Energy Options

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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
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%	5,841	558	946.77%	0	0	0.0%	10,960	1,678	553.2%
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%	650	9,487	-93.15%	0	0	0.0%	1,075	13,394	-92.0%
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	-	-	11,267	-		0	-	-	15,622	-	-
CRUDE OIL PHY	0	0	0.0%	1,678,775	2,446,177	-31.37%	0	0	0.0%	3,233,005	4,616,853	-30.0%
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%	1,327	3,221	-58.80%	0	0	0.0%	3,197	8,722	-63.3%
HENRY HUB FINANCIAL LAST	0	0	0.0%	6,281	40	15,602.50%	0	0	0.0%	8,375	40	20,837.5%
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	2,940	-100.00%	0	0	0.0%	0	3,130	-100.0%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	4	2,225	-99.82%	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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 5 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 6 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS OPT	0	0	0.0%	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%	1,153,996	1,175,854	-1.86%	0	0	0.0%	2,096,071	2,143,356	-2.2%
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%	244	33	639.39%	0	0	0.0%	420	54	677.8%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Options												
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%
RBOB PHY	0	0	0.0%	520	1,562	-66.71%	0	0	0.0%	1,082	4,157	-74.0%
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%	325	750	-56.67%	0	0	0.0%	325	950	-65.8%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0.00%	0	0	0.0%	100	271	-63.1%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	13	34	-61.76%	0	0	0.0%	52	46	13.0%
AD/JY CROSS RATES	0	0	0.0%	1,277	5,784	-77.92%	0	0	0.0%	2,505	8,177	-69.4%
AD/NE CROSS RATES	0	0	0.0%	724	1,084	-33.21%	0	0	0.0%	3,351	1,285	160.8%
AUSTRALIAN DOLLAR	0	0	0.0%	1,735,248	1,921,910	-9.71%	0	0	0.0%	3,440,961	3,670,405	-6.3%
BP/JY CROSS RATES	0	0	0.0%	2,146	2,569	-16.47%	0	0	0.0%	4,823	5,211	-7.4%
BP/SF CROSS RATES	0	0	0.0%	2,308	1,174	96.59%	0	0	0.0%	5,085	4,303	18.2%
BRAZIL REAL	0	0	0.0%	268,428	277,936	-3.42%	0	0	0.0%	542,438	602,111	-9.9%
BRITISH POUND	0	0	0.0%	1,814,217	2,095,775	-13.43%	0	0	0.0%	3,517,271	4,013,313	-12.4%
CANADIAN DOLLAR	0	0	0.0%	1,520,199	1,498,810	1.43%	0	0	0.0%	2,913,570	3,048,480	-4.4%
CD/JY CROSS RATES	0	0	0.0%	2	83	-97.59%	0	0	0.0%	5	209	-97.6%
CHINESE RENMINBI (CNH)	0	0	0.0%	30,599	12,279	149.20%	0	0	0.0%	51,948	27,239	90.7%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	3	-33.3%
CZECK KORUNA (US)	0	0	0.0%	0	4	-100.00%	0	0	0.0%	0	5	-100.0%
EC/AD CROSS RATES	0	0	0.0%	1,313	3,006	-56.32%	0	0	0.0%	3,291	5,896	-44.2%
EC/CD CROSS RATES	0	0	0.0%	1,705	2,784	-38.76%	0	0	0.0%	5,180	6,808	-23.9%
EC/NOK CROSS RATES	0	0	0.0%	972	357	172.27%	0	0	0.0%	1,742	971	79.4%
EC/SEK CROSS RATES	0	0	0.0%	2,153	1,048	105.44%	0	0	0.0%	4,214	2,250	87.3%
EFX/BP CROSS RATES	0	0	0.0%	33,716	70,895	-52.44%	0	0	0.0%	64,031	113,355	-43.5%
EFX/JY CROSS RATES	0	0	0.0%	26,049	59,164	-55.97%	0	0	0.0%	53,284	92,870	-42.6%
EFX/SF CROSS RATES	0	0	0.0%	8,364	37,281	-77.56%	0	0	0.0%	22,604	59,732	-62.2%
E-MICRO USD/CAD	0	0	0.0%	120	343	-65.01%	0	0	0.0%	394	617	-36.1%

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FX Futures												
E-MICRO USD/CHF	0	0	0.0%	46	85	-45.88%	0	0	0.0%	287	99	189.9%
E-MICRO USD/JPY	0	0	0.0%	503	2,408	-79.11%	0	0	0.0%	2,336	4,444	-47.4%
E-MINI EURO FX	0	0	0.0%	128,683	120,053	7.19%	0	0	0.0%	278,388	234,676	18.6%
E-MINI JAPANESE YEN	0	0	0.0%	11,965	5,765	107.55%	0	0	0.0%	24,674	11,173	120.8%
EURO FX	0	0	0.0%	3,968,330	3,952,584	0.40%	0	0	0.0%	7,882,032	7,341,633	7.4%
HUNGARIAN FORINT (EC)	0	0	0.0%	6	0	0.00%	0	0	0.0%	7	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	12	0	0.00%	0	0	0.0%	21	23	-8.7%
INDIAN RUPEE	0	0	0.0%	31,048	21,023	47.69%	0	0	0.0%	79,160	35,702	121.7%
JAPANESE YEN	0	0	0.0%	2,637,620	2,113,774	24.78%	0	0	0.0%	5,583,196	4,240,187	31.7%
KOREAN WON	0	0	0.0%	173	353	-50.99%	0	0	0.0%	358	1,101	-67.5%
MEXICAN PESO	0	0	0.0%	924,966	931,833	-0.74%	0	0	0.0%	1,784,841	1,758,947	1.5%
MICRO AUD/USD	0	0	0.0%	277,589	293,377	-5.38%	0	0	0.0%	583,665	533,073	9.5%
MICRO CAD/USD	0	0	0.0%	61,896	46,391	33.42%	0	0	0.0%	127,045	116,897	8.7%
MICRO CHF/USD	0	0	0.0%	14,349	7,756	85.01%	0	0	0.0%	34,309	18,401	86.5%
MICRO EUR/USD	0	0	0.0%	629,987	632,130	-0.34%	0	0	0.0%	1,402,017	1,295,019	8.3%
MICRO GBP/USD	0	0	0.0%	73,976	73,468	0.69%	0	0	0.0%	151,847	159,697	-4.9%
MICRO INR/USD	0	0	0.0%	558	713	-21.74%	0	0	0.0%	1,300	1,670	-22.2%
MICRO JPY/USD	0	0	0.0%	0	39,150	-100.00%	0	0	0.0%	0	88,920	-100.0%
MICRO USD/CNH	0	0	0.0%	0	1	-100.00%	0	0	0.0%	0	1	-100.0%
NEW ZEALND DOLLAR	0	0	0.0%	553,897	546,937	1.27%	0	0	0.0%	1,049,425	1,031,201	1.8%
NKR/USD CROSS RATE	0	0	0.0%	1,242	2,957	-58.00%	0	0	0.0%	2,655	5,864	-54.7%
POLISH ZLOTY (EC)	0	0	0.0%	26	58	-55.17%	0	0	0.0%	46	98	-53.1%
POLISH ZLOTY (US)	0	0	0.0%	476	1,013	-53.01%	0	0	0.0%	1,015	1,579	-35.7%
RMB USD	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	1	400.0%
RUSSIAN RUBLE	0	0	0.0%	0	311,357	-100.00%	0	0	0.0%	0	561,057	-100.0%
S.AFRICAN RAND	0	0	0.0%	57,763	83,032	-30.43%	0	0	0.0%	107,648	155,537	-30.8%
SF/JY CROSS RATES	0	0	0.0%	395	17	2,223.53%	0	0	0.0%	673	89	656.2%
SHEKEL	0	0	0.0%	70	22	218.18%	0	0	0.0%	82	34	141.2%
SKR/USD CROSS RATES	0	0	0.0%	3,718	5,461	-31.92%	0	0	0.0%	7,566	9,937	-23.9%
SWISS FRANC	0	0	0.0%	341,738	408,475	-16.34%	0	0	0.0%	729,607	838,581	-13.0%
TURKISH LIRA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
USDZAR	0	0	0.0%	40	22	81.82%	0	0	0.0%	40	27	48.1%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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 MONDAY OPTION W	0	0	0.0%	62	189	-67.20%	0	0	0.0%	88	875	-89.9%
AUD/USD MONDAY OPTION W	0	0	0.0%	151	2,006	-92.47%	0	0	0.0%	571	2,120	-73.1%
AUD/USD MONDAY OPTION W	0	0	0.0%	8	419	-98.09%	0	0	0.0%	8	419	-98.1%
AUD/USD MONDAY OPTION W	0	0	0.0%	31	412	-92.48%	0	0	0.0%	794	680	16.8%
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%	38,283	49,984	-23.41%	0	0	0.0%	71,210	112,970	-37.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,681	3,939	-31.94%	0	0	0.0%	3,419	5,804	-41.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,174	3,948	-70.26%	0	0	0.0%	3,098	6,738	-54.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	684	1,612	-57.57%	0	0	0.0%	2,657	4,352	-38.9%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	224	1,306	-82.85%	0	0	0.0%	377	1,573	-76.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	99	907	-89.08%	0	0	0.0%	349	1,635	-78.7%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	81	461	-82.43%	0	0	0.0%	264	615	-57.1%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	259	342	-24.27%	0	0	0.0%	622	1,183	-47.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	1	312	-99.68%	0	0	0.0%	5	1,304	-99.6%
CAD/USD MONDAY OPTIONS	0	0	0.0%	642	250	156.80%	0	0	0.0%	767	299	156.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,936	1,562	23.94%	0	0	0.0%	2,785	2,613	6.6%
CAD/USD MONDAY OPTIONS	0	0	0.0%	8	23	-65.22%	0	0	0.0%	8	23	-65.2%
CAD/USD MONDAY OPTIONS	0	0	0.0%	665	1,352	-50.81%	0	0	0.0%	1,677	2,461	-31.9%
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%	44,004	44,455	-1.01%	0	0	0.0%	111,706	121,088	-7.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,790	4,216	-10.10%	0	0	0.0%	7,039	13,535	-48.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,699	5,955	-54.68%	0	0	0.0%	4,754	11,702	-59.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,120	4,618	-54.09%	0	0	0.0%	5,316	10,060	-47.2%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	346	0	0.00%	0	0	0.0%	346	0	0.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	216	1,979	-89.09%	0	0	0.0%	1,634	2,546	-35.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	473	2,009	-76.46%	0	0	0.0%	1,193	3,822	-68.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,593	2,185	18.67%	0	0	0.0%	3,262	3,412	-4.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	303	1,492	-79.69%	0	0	0.0%	2,586	3,414	-24.3%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	1,007	4,003	-74.84%	0	0	0.0%	4,976	15,171	-67.2%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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												
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	202	306	-33.99%	0	0	0.0%	308	602	-48.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	183	23	695.65%	0	0	0.0%	374	323	15.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	2,206	382	477.49%	0	0	0.0%	2,843	679	318.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	6	0	0.00%	0	0	0.0%	6	0	0.0%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	200	-100.00%	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	-	-	4,184	-		0	-	-	7,640	-	-
EUR/USD MONDAY OPTION W	0	0	0.0%	4,070	1,962	107.44%	0	0	0.0%	5,070	2,419	109.6%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,582	7,608	-79.21%	0	0	0.0%	3,971	9,927	-60.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,381	1,689	-18.24%	0	0	0.0%	1,381	1,689	-18.2%
EUR/USD MONDAY OPTION W	0	0	0.0%	3,079	2,501	23.11%	0	0	0.0%	4,221	3,328	26.8%
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%	243,536	279,622	-12.91%	0	0	0.0%	433,090	475,219	-8.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	16,378	26,894	-39.10%	0	0	0.0%	38,657	50,252	-23.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	36,144	15,750	129.49%	0	0	0.0%	56,305	32,617	72.6%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	13,856	30,291	-54.26%	0	0	0.0%	24,998	46,947	-46.8%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	241	0	0.00%	0	0	0.0%	241	0	0.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	3,646	8,596	-57.58%	0	0	0.0%	6,545	14,399	-54.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	8,459	5,050	67.50%	0	0	0.0%	13,533	9,516	42.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	8,384	6,421	30.57%	0	0	0.0%	11,814	11,199	5.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	5,769	4,593	25.60%	0	0	0.0%	9,287	9,546	-2.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,138	1,090	4.40%	0	0	0.0%	2,117	1,279	65.5%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,511	1,632	-7.41%	0	0	0.0%	3,269	2,736	19.5%
GBP/USD MONDAY OPTION W	0	0	0.0%	818	348	135.06%	0	0	0.0%	818	348	135.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	195	1,493	-86.94%	0	0	0.0%	432	1,779	-75.7%
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%	62,505	65,188	-4.12%	0	0	0.0%	119,391	125,133	-4.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,520	3,653	-3.64%	0	0	0.0%	6,465	6,000	7.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,975	4,563	-12.89%	0	0	0.0%	5,428	7,735	-29.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,759	2,464	-28.61%	0	0	0.0%	2,981	5,216	-42.8%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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												
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	354	0	0.00%	0	0	0.0%	354	0	0.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	205	3,100	-93.39%	0	0	0.0%	696	4,644	-85.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,393	1,063	125.12%	0	0	0.0%	4,565	1,927	136.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	426	791	-46.14%	0	0	0.0%	1,552	3,617	-57.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	345	580	-40.52%	0	0	0.0%	829	2,433	-65.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JPY/USD MONDAY OPTION WE	0	0	0.0%	1,429	239	497.91%	0	0	0.0%	1,596	392	307.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	2,777	1,094	153.84%	0	0	0.0%	3,170	2,831	12.0%
JPY/USD MONDAY OPTION WE	0	0	0.0%	67	74	-9.46%	0	0	0.0%	67	74	-9.5%
JPY/USD MONDAY OPTION WE	0	0	0.0%	54	941	-94.26%	0	0	0.0%	1,403	1,407	-0.3%
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%	76,092	83,648	-9.03%	0	0	0.0%	179,071	211,567	-15.4%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	7,939	13,004	-38.95%	0	0	0.0%	14,078	24,125	-41.6%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	5,848	7,617	-23.22%	0	0	0.0%	16,154	19,236	-16.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	3,865	13,597	-71.57%	0	0	0.0%	9,172	22,077	-58.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	2	0	0.00%	0	0	0.0%	2	0	0.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,249	3,785	-40.58%	0	0	0.0%	4,968	6,107	-18.7%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,167	2,025	7.01%	0	0	0.0%	5,529	6,137	-9.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,210	3,183	32.27%	0	0	0.0%	8,445	5,332	58.4%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,496	3,000	-16.80%	0	0	0.0%	6,055	5,416	11.8%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	179	280	-36.07%	0	0	0.0%	383	2,046	-81.3%
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%	38	10	280.00%	0	0	0.0%	49	50	-2.0%
NZD/USD WKLY FRIDAY OPTIO	0	-	-	1	-		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	-	-

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CME Group Exchange Volume Comparison Report - Monthly

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Ags Futures												
FERTILIZER PRODUCTS	0	0	0.0%	2	0	0.00%	0	0	0.0%	2	2	0.0%
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	0	23	-100.00%	0	0	0.0%	3	23	-87.0%
Foreign Exchange Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	15	1,676	-99.11%	0	0	0.0%	494	1,914	-74.2%
OTC AUDUSD SUB	0	-	-	956	-		0	-	-	1,890	-	-
OTC EURUSD SUB	0	-	-	5,175	-		0	-	-	6,201	-	-
OTC GBPUSD SUB	0	-	-	2,167	-		0	-	-	3,801	-	-
OTC USDCAD SUB	0	-	-	1,519	-		0	-	-	2,069	-	-
OTC USDJPY SUB	0	-	-	1,063	-		0	-	-	1,920	-	-
Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	316	219	44.29%	0	0	0.0%	487	553	-11.9%
BUTTER CS	0	0	0.0%	3,066	4,070	-24.67%	0	0	0.0%	6,361	10,871	-41.5%
CASH-SETTLED CHEESE	0	0	0.0%	10,253	7,321	40.05%	0	0	0.0%	21,708	18,838	15.2%
CAT ASIA WEATHER	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CATTLE	0	0	0.0%	1,021,975	1,111,619	-8.06%	0	0	0.0%	2,453,206	2,527,930	-3.0%
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%	2,647,327	3,127,253	-15.35%	0	0	0.0%	4,211,901	5,056,173	-16.7%
CLASS IV MILK	0	0	0.0%	433	2,603	-83.37%	0	0	0.0%	1,110	6,432	-82.7%
COFFEE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CORN	0	0	0.0%	6,967,104	8,878,970	-21.53%	0	0	0.0%	12,420,121	14,959,414	-17.0%
DJ_UBS ROLL SELECT INDEX	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 FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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												
DOW-UBS COMMOD INDEX	0	0	0.0%	27,528	29,483	-6.63%	0	0	0.0%	66,118	83,234	-20.6%
DRY WHEY	0	0	0.0%	894	1,153	-22.46%	0	0	0.0%	1,825	1,928	-5.3%
FEEDER CATTLE	0	0	0.0%	306,142	275,227	11.23%	0	0	0.0%	577,139	515,639	11.9%
FERTILIZER PRODUCTS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GOLDMAN SACHS	0	0	0.0%	1,562	3,327	-53.05%	0	0	0.0%	3,603	6,764	-46.7%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	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%	852,645	925,917	-7.91%	0	0	0.0%	1,864,934	2,036,254	-8.4%
HOUSING INDEX	0	0	0.0%	23	12	91.67%	0	0	0.0%	35	29	20.7%
KC WHEAT	0	0	0.0%	1,077,268	1,329,191	-18.95%	0	0	0.0%	1,806,784	2,266,079	-20.3%
LUMBER	0	0	0.0%	12,415	10,027	23.82%	0	0	0.0%	24,758	18,251	35.7%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	21,433	26,739	-19.84%	0	0	0.0%	48,736	60,360	-19.3%
MINI CORN	0	0	0.0%	18,806	65,319	-71.21%	0	0	0.0%	40,949	113,586	-63.9%
MINI SOYBEAN	0	0	0.0%	34,507	101,338	-65.95%	0	0	0.0%	69,019	160,596	-57.0%
MINI WHEAT	0	0	0.0%	23,441	35,589	-34.13%	0	0	0.0%	40,372	57,847	-30.2%
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%	5,274	7,275	-27.51%	0	0	0.0%	11,716	15,063	-22.2%
OATS	0	0	0.0%	12,172	13,622	-10.64%	0	0	0.0%	20,446	23,935	-14.6%
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%	1,201	2,526	-52.45%	0	0	0.0%	2,248	4,961	-54.7%
ROUGH RICE	0	0	0.0%	24,638	25,024	-1.54%	0	0	0.0%	35,110	37,166	-5.5%
SOYBEAN	0	0	0.0%	5,049,870	6,092,012	-17.11%	0	0	0.0%	9,007,396	10,195,274	-11.7%
SOYBEAN MEAL	0	0	0.0%	2,592,357	2,698,172	-3.92%	0	0	0.0%	4,755,303	4,908,613	-3.1%
SOYBEAN OIL	0	0	0.0%	2,890,163	2,571,942	12.37%	0	0	0.0%	5,146,722	4,803,077	7.2%
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%	0	2,314	-100.00%	0	0	0.0%	0	5,151	-100.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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												
AUG-NOV SOYBEAN CAL SPR	0	-	-	0	-		0	-	-	0	-	-
BLOCK CHEESE	0	0	0.0%	163	70	132.86%	0	0	0.0%	190	370	-48.6%
BUTTER CS	0	0	0.0%	1,528	552	176.81%	0	0	0.0%	2,937	2,565	14.5%
CASH-SETTLED CHEESE	0	0	0.0%	3,962	6,033	-34.33%	0	0	0.0%	9,115	17,775	-48.7%
CATTLE	0	0	0.0%	227,282	204,568	11.10%	0	0	0.0%	435,658	378,325	15.2%
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%	684,254	793,740	-13.79%	0	0	0.0%	1,088,558	1,435,592	-24.2%
CLASS IV MILK	0	0	0.0%	6,080	7,275	-16.43%	0	0	0.0%	12,904	14,636	-11.8%
CORN	0	0	0.0%	1,445,248	2,433,104	-40.60%	0	0	0.0%	3,110,156	4,512,519	-31.1%
CORN NEARBY+2 CAL SPRD	0	0	0.0%	14,711	16,865	-12.77%	0	0	0.0%	31,129	52,825	-41.1%
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%	0	1,200	-100.00%	0	0	0.0%	0	1,200	-100.0%
DEC-JULY WHEAT CAL SPRD	0	-	-	220	-		0	-	-	220	-	-
DRY WHEY	0	0	0.0%	5	21	-76.19%	0	0	0.0%	28	21	33.3%
FEEDER CATTLE	0	0	0.0%	47,335	34,428	37.49%	0	0	0.0%	95,959	62,412	53.8%
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%	241,777	299,638	-19.31%	0	0	0.0%	502,578	521,428	-3.6%
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%	7,218	12,152	-40.60%	0	0	0.0%	13,766	21,033	-34.6%
JULY-DEC SOYMEAL CAL SPR	0	-	-	0	-		0	-	-	0	-	-
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,650	0	0.0%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	2,000	-100.00%	0	0	0.0%	0	2,000	-100.0%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	10,533	3,936	167.61%	0	0	0.0%	21,104	9,728	116.9%
KC WHEAT	0	0	0.0%	52,734	100,383	-47.47%	0	0	0.0%	101,150	209,829	-51.8%
LUMBER	0	0	0.0%	231	517	-55.32%	0	0	0.0%	563	1,272	-55.7%
LV CATL CSO	0	-	-	5	-		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%	3,770	3,450	9.28%	0	0	0.0%	9,631	9,575	0.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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												
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%	17,475	12,668	37.95%	0	0	0.0%	39,151	34,600	13.2%
MLK MID OPTIONS	0	0	0.0%	6	12	-50.00%	0	0	0.0%	9	14	-35.7%
NFD MILK	0	0	0.0%	4,316	2,952	46.21%	0	0	0.0%	8,052	7,602	5.9%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	600	-100.00%	0	0	0.0%	0	600	-100.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	10	0	0.00%	0	0	0.0%	10	0	0.0%
OATS	0	0	0.0%	165	285	-42.11%	0	0	0.0%	301	481	-37.4%
PORK CUTOUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	0	0.0%
ROUGH RICE	0	0	0.0%	2,749	1,341	105.00%	0	0	0.0%	4,023	1,748	130.1%
SEP-DEC SOYBEAN MEAL CSC	0	-	-	0	-		0	-	-	0	-	-
SOYBEAN	0	0	0.0%	928,467	2,507,475	-62.97%	0	0	0.0%	2,047,233	4,216,042	-51.4%
SOYBEAN CRUSH	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	21	-76.2%
SOYBEAN MEAL	0	0	0.0%	346,768	360,979	-3.94%	0	0	0.0%	646,041	638,975	1.1%
SOYBEAN OIL	0	0	0.0%	277,966	239,240	16.19%	0	0	0.0%	458,478	485,641	-5.6%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	500	4,300	-88.37%	0	0	0.0%	4,435	4,300	3.1%
SOYMEAL NEARBY+2 CAL SPR	0	-	-	1,030	-		0	-	-	2,230	-	-
SOY OIL NEARBY+2 CAL SPRD	0	-	-	75	-		0	-	-	100	-	-
WHEAT	0	0	0.0%	2,471	422	485.55%	0	0	0.0%	3,468	732	373.8%
WHEAT-CORN ICSCO	0	0	0.0%	200	0	0.00%	0	0	0.0%	200	20	900.0%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	992	2,827	-64.91%	0	0	0.0%	2,965	2,928	1.3%
TOTAL FUTURES GROUP												
Interest Rate Futures	1,071,567	858,990	24.7%	224,231,392	228,112,915	-1.7%	1,726,755	1,537,463	12.3%	364,767,617	386,328,591	-5.6%
Equity Index Futures	0	0	0.0%	106,202,479	129,276,844	-17.8%	0	0	0.0%	215,043,089	275,858,986	-22.0%
Metals Futures	0	0	0.0%	9,935,166	9,433,223	5.3%	0	0	0.0%	20,567,805	19,553,966	5.2%
Energy Futures	0	0	0.0%	32,841,354	45,079,032	-27.1%	0	0	0.0%	66,636,861	84,764,218	-21.4%
FX Futures	0	0	0.0%	15,170,625	15,592,535	-2.7%	0	0	0.0%	30,470,996	30,108,954	1.2%
Ags Futures	0	0	0.0%	2	0	0.0%	0	0	0.0%	2	2	0.0%
Foreign Exchange Futures	0	0	0.0%	0	23	-100.0%	0	0	0.0%	3	23	-87.0%
Ag Products Futures	0	0	0.0%	23,602,813	27,348,264	-13.7%	0	0	0.0%	42,638,107	47,894,018	-11.0%
TOTAL FUTURES	1,071,567	858,990	24.7%	411,983,831	454,842,836	-9.4%	1,726,755	1,537,463	12.3%	740,124,480	844,508,758	-12.4%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry FEB 2023	Open Outcry FEB 2022	% CHG	ELEC FEB 2023	ELEC FEB 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 OPTIONS GROUP												
Equity Index Options	0	0	0.0%	23,624,897	21,895,988	7.9%	0	0	0.0%	46,559,701	47,568,649	-2.1%
Interest Rate Options	29,288,964	18,449,131	58.8%	39,372,534	28,438,334	38.4%	54,441,579	37,853,260	43.8%	70,119,260	60,322,032	16.2%
Metals Options	0	0	0.0%	1,305,370	1,190,038	9.7%	0	0	0.0%	2,726,848	2,134,865	27.7%
Energy Options	0	0	0.0%	2,859,230	3,642,847	-21.5%	0	0	0.0%	5,373,086	6,797,505	-21.0%
FX Options	0	0	0.0%	646,403	750,286	-13.8%	0	0	0.0%	1,253,799	1,474,227	-15.0%
Ag Products Options	0	0	0.0%	4,330,246	7,053,033	-38.6%	0	0	0.0%	8,654,059	12,646,959	-31.6%
Foreign Exchange Options	0	0	0.0%	10,895	1,676	550.1%	0	0	0.0%	16,375	1,914	755.5%
TOTAL OPTIONS	29,288,964	18,449,131	58.8%	72,149,575	62,972,202	14.6%	54,441,579	37,853,260	43.8%	134,703,128	130,946,151	2.9%
TOTAL COMBINED												
Interest Rate	30,360,531	19,308,121	57.2%	263,603,926	256,551,249	2.7%	56,168,334	39,390,723	42.6%	434,886,877	446,650,623	-2.6%
Equity Index	0	0	0.0%	129,827,376	151,172,832	-14.1%	0	0	0.0%	261,602,790	323,427,635	-19.1%
Metals	0	0	0.0%	11,240,536	10,623,261	5.8%	0	0	0.0%	23,294,653	21,688,831	7.4%
Energy	0	0	0.0%	35,700,584	48,721,879	-26.7%	0	0	0.0%	72,009,947	91,561,723	-21.4%
FX	0	0	0.0%	15,817,028	16,342,821	-3.2%	0	0	0.0%	31,724,795	31,583,181	0.4%
Ags	0	0	0.0%	2	0	0.0%	0	0	0.0%	2	2	0.0%
Foreign Exchange	0	0	0.0%	10,895	1,699	541.3%	0	0	0.0%	16,378	1,937	745.5%
Ag Products	0	0	0.0%	27,933,059	34,401,297	-18.8%	0	0	0.0%	51,292,166	60,540,977	-15.3%
GRAND TOTAL	30,360,531	19,308,121	57.2%	484,133,406	517,815,038	-6.5%	56,168,334	39,390,723	42.6%	874,827,608	975,454,909	-10.3%

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