

CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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%	0	2,500	-100.00%	0	0	0.0%	4,082	46,656	-91.3%
10-YR Eris SOFR	0	0	0.0%	4,804	110	4,267.27%	0	0	0.0%	24,937	873	2,756.5%
10-YR MAC LIBOR	0	0	0.0%	0	5,047	-100.00%	0	0	0.0%	27,311	155,703	-82.5%
10-YR MAC SOFR	0	0	0.0%	0	0	0.00%	0	0	0.0%	18	2	800.0%
10-YR NOTE	0	0	0.0%	61,746,760	44,195,287	39.71%	0	0	0.0%	452,261,758	423,664,389	6.8%
10Y YIELD	0	0	0.0%	152,913	52,114	193.42%	0	0	0.0%	1,187,490	1,081,547	9.8%
13-Week U.S. T-Bill Futures	0	-	-	16,014	-		0	-	-	34,674	-	-
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	12	-100.00%	0	0	0.0%	6	349	-98.3%
1-YR Eris BSBY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	1,600	-100.0%
1-YR Eris SOFR	0	0	0.0%	2,731	450	506.89%	0	0	0.0%	29,828	201,866	-85.2%
20-YR BOND	0	0	0.0%	46	2,307	-98.01%	0	0	0.0%	3,883	34,435	-88.7%
20-YR Eris LIBOR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
2-YR Eris LIBOR	0	0	0.0%	0	895	-100.00%	0	0	0.0%	4,517	81,769	-94.5%
2-YR Eris SOFR	0	0	0.0%	3,221	1,504	114.16%	0	0	0.0%	34,415	96,481	-64.3%
2-YR NOTE	0	0	0.0%	28,965,914	17,355,446	66.90%	0	0	0.0%	176,055,837	148,701,969	18.4%
2Y YIELD	0	0	0.0%	4,477	9,003	-50.27%	0	0	0.0%	67,254	88,683	-24.2%
30-Year UMBS TBA Futures - 2.5	0	0	0.0%	0	60	-100.00%	0	0	0.0%	1,005	60	1,575.0%
30-Year UMBS TBA Futures - 3.0	0	0	0.0%	278	129	115.50%	0	0	0.0%	4,056	129	3,044.2%
30-Year UMBS TBA Futures - 3.5	0	0	0.0%	660	658	0.30%	0	0	0.0%	5,381	658	717.8%
30-Year UMBS TBA Futures - 4.0	0	0	0.0%	495	288	71.88%	0	0	0.0%	6,567	288	2,180.2%
30-Year UMBS TBA Futures - 4.5	0	0	0.0%	1,452	191	660.21%	0	0	0.0%	13,623	191	7,032.5%
30-Year UMBS TBA Futures - 5.0	0	0	0.0%	3,398	415	718.80%	0	0	0.0%	17,392	415	4,090.8%
30-Year UMBS TBA Futures - 5.5	0	-	-	2,210	-		0	-	-	13,491	-	-
30-Year UMBS TBA Futures - 6.0	0	-	-	1,828	-		0	-	-	10,819	-	-
30-YR BOND	0	0	0.0%	13,906,912	9,267,573	50.06%	0	0	0.0%	99,283,805	88,899,931	11.7%
30-YR Eris LIBOR	0	0	0.0%	0	0	0.00%	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%
30-YR SWAP RATE	0	-	-	0	-		0	-	-	0	-	-
30Y YIELD	0	0	0.0%	1,005	4,223	-76.20%	0	0	0.0%	12,265	105,934	-88.4%
3-YR Eris BSBY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	4	-100.0%
3-YR Eris LIBOR	0	0	0.0%	0	292	-100.00%	0	0	0.0%	3,771	52,113	-92.8%
3-YR Eris SOFR	0	0	0.0%	1,092	1,347	-18.93%	0	0	0.0%	21,149	35,112	-39.8%

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Interest Rate Futures												
3-YR NOTE	0	0	0.0%	163,368	170,157	-3.99%	0	0	0.0%	1,354,154	3,519,189	-61.5%
4-YR Eris LIBOR	0	0	0.0%	0	357	-100.00%	0	0	0.0%	1,140	30,695	-96.3%
4-YR Eris SOFR	0	0	0.0%	703	166	323.49%	0	0	0.0%	8,553	6,657	28.5%
5-YR Eris LIBOR	0	0	0.0%	0	11,024	-100.00%	0	0	0.0%	21,264	234,131	-90.9%
5-YR Eris SOFR	0	0	0.0%	12,833	1,649	678.23%	0	0	0.0%	102,880	23,012	347.1%
5-YR MAC LIBOR	0	0	0.0%	0	24,534	-100.00%	0	0	0.0%	39,600	371,700	-89.3%
5-YR MAC SOFR	0	-	-	0	-		0	-	-	92	-	-
5-YR NOTE	0	0	0.0%	55,193,680	33,609,193	64.22%	0	0	0.0%	348,134,585	297,051,191	17.2%
5Y YIELD	0	0	0.0%	0	520	-100.00%	0	0	0.0%	969	22,359	-95.7%
7-YR Eris LIBOR	0	0	0.0%	0	1,785	-100.00%	0	0	0.0%	2,242	26,941	-91.7%
7-YR Eris SOFR	0	0	0.0%	1,362	90	1,413.33%	0	0	0.0%	9,278	470	1,874.0%
BSBY 3-MONTH FUTURES	0	0	0.0%	195	17,710	-98.90%	0	0	0.0%	32,232	556,958	-94.2%
ESTR Basis Spread Futures	0	0	0.0%	1,252	1,639	-23.61%	0	0	0.0%	15,019	1,680	794.0%
ESTR Futures	0	0	0.0%	275,896	5,634	4,796.98%	0	0	0.0%	1,332,729	5,645	23,509.0%
EURODOLLARS	0	309,454	-100.0%	0	14,747,878	-100.00%	258,492	7,774,035	-96.7%	27,895,109	371,194,368	-92.5%
FED FUND	0	0	0.0%	7,184,322	6,884,065	4.36%	0	0	0.0%	103,151,710	78,631,939	31.2%
FTIE	0	0	0.0%	0	25	-100.00%	0	0	0.0%	1,774	941	88.5%
SOFR	519,292	331,564	56.6%	81,671,067	48,012,164	70.10%	6,798,497	1,357,199	400.9%	760,532,729	394,709,618	92.7%
SONIA	0	0	0.0%	25	0	0.00%	0	0	0.0%	390	1,293	-69.8%
UBSBM	0	-	-	2,900	-		0	-	-	4,250	-	-
Ultra 10-Year Note	0	0	0.0%	17,355,278	9,978,182	73.93%	0	0	0.0%	111,522,693	86,987,830	28.2%
ULTRA T-BOND	0	0	0.0%	11,551,444	7,568,923	52.62%	0	0	0.0%	68,121,534	53,154,025	28.2%

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Interest Rate Options												
10-YR NOTE	0	0	0.0%	18,467,206	12,811,236	44.15%	0	0	0.0%	161,136,980	147,791,723	9.0%
2-YR NOTE	0	0	0.0%	526,672	142,633	269.25%	0	0	0.0%	5,340,049	950,684	461.7%
30-YR BOND	0	0	0.0%	3,637,992	1,985,084	83.27%	0	0	0.0%	32,354,079	26,820,357	20.6%
5-YR NOTE	0	0	0.0%	4,454,722	3,859,226	15.43%	0	0	0.0%	64,312,127	54,136,665	18.8%
EURODOLLARS	0	2,030,484	-100.0%	0	7,535,087	-100.00%	1,894,920	77,421,659	-97.6%	7,456,246	47,121,986	-84.2%
EURO MIDCURVE	0	405,105	-100.0%	0	344,159	-100.00%	396,228	41,378,990	-99.0%	201,525	21,606,345	-99.1%
FED FUND	0	0	0.0%	2,000	0	0.00%	0	0	0.0%	2,004	4,045	-50.5%
SOFR	19,491,581	9,828,673	98.3%	8,144,985	3,557,395	128.96%	201,144,641	45,353,302	343.5%	89,519,142	16,731,139	435.0%
SOFR MIDCURVE	6,046,534	2,940,389	105.6%	3,119,383	1,022,535	205.06%	49,779,931	13,456,913	269.9%	21,317,641	5,068,361	320.6%
SOFR MISCURVE	0	-	-	0	-	-	0	-	-	700	-	-
Ultra 10-Year Note	0	0	0.0%	9,560	25	38,140.00%	0	0	0.0%	49,357	851	5,699.9%
ULTRA 10-YEAR NOTE	0	-	-	294	-	-	0	-	-	294	-	-
ULTRA T-BOND	0	0	0.0%	18,648	1,151	1,520.16%	0	0	0.0%	79,986	24,599	225.2%
Equity Index Futures												
AIR	0	0	0.0%	37,853	2,530	1,396.17%	0	0	0.0%	58,975	7,216	717.3%
BITCOIN	0	0	0.0%	265,517	276,537	-3.99%	0	0	0.0%	2,397,721	2,405,830	-0.3%
DJ US REAL ESTATE SECTOR	0	0	0.0%	21,240	26,729	-20.54%	0	0	0.0%	331,571	382,076	-13.2%
E-mini (\$5) Dow	0	0	0.0%	2,786,277	4,218,084	-33.94%	0	0	0.0%	39,642,238	47,069,371	-15.8%
E-mini FTSE China 50	0	0	0.0%	0	231	-100.00%	0	0	0.0%	44	7,353	-99.4%
E-MINI MIDCAP	0	0	0.0%	303,845	264,597	14.83%	0	0	0.0%	3,053,164	3,590,218	-15.0%
E-MINI NASDAQ 100	0	0	0.0%	12,578,515	13,148,790	-4.34%	0	0	0.0%	153,614,965	162,123,289	-5.2%
E-MINI RUSSELL 1000	0	0	0.0%	2,484	642	286.92%	0	0	0.0%	28,259	30,911	-8.6%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,882	1,723	9.23%	0	0	0.0%	26,505	48,347	-45.2%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	1,784	2,527	-29.40%	0	0	0.0%	48,090	81,284	-40.8%
E-MINI RUSSELL 2000	0	0	0.0%	4,563,536	3,996,508	14.19%	0	0	0.0%	50,132,330	54,595,961	-8.2%
E-MINI S&P500	0	0	0.0%	31,361,322	35,981,607	-12.84%	0	0	0.0%	410,484,751	457,474,637	-10.3%
E-MINI S&P500 ESG	0	0	0.0%	14,991	15,606	-3.94%	0	0	0.0%	202,933	276,003	-26.5%
ETHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	7	-100.0%
ETHER FUTURES	0	0	0.0%	137,323	167,913	-18.22%	0	0	0.0%	1,148,473	1,489,330	-22.9%
FT-SE 100	0	0	0.0%	0	4	-100.00%	0	0	0.0%	841	1,528	-45.0%

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Equity Index Futures												
FTSE Emerging	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IBOVESPA INDEX	0	0	0.0%	2	44	-95.45%	0	0	0.0%	329	625	-47.4%
MICRO BITCOIN	0	0	0.0%	262,741	343,673	-23.55%	0	0	0.0%	2,291,888	3,564,613	-35.7%
MICRO E-MINI NASDAQ 100	0	0	0.0%	21,016,152	26,067,137	-19.38%	0	0	0.0%	253,889,019	341,925,355	-25.7%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	1,524,641	2,240,312	-31.95%	0	0	0.0%	17,557,461	31,094,856	-43.5%
MICRO E-MINI S&P500	0	0	0.0%	16,319,492	27,185,751	-39.97%	0	0	0.0%	234,067,464	317,898,853	-26.4%
MICRO ETHER	0	0	0.0%	219,097	474,356	-53.81%	0	0	0.0%	2,003,087	4,725,382	-57.6%
MICRO MINI \$5 DOW	0	0	0.0%	1,413,025	3,223,376	-56.16%	0	0	0.0%	24,090,404	42,024,400	-42.7%
NASDAQ-100 VOLATILITY	0	0	0.0%	0	36	-100.00%	0	0	0.0%	3,203	18,555	-82.7%
NASDAQ BIOTECH SECTOR	0	0	0.0%	4	63	-93.65%	0	0	0.0%	1,198	2,223	-46.1%
Nearby BTIC+	0	0	0.0%	0	50	-100.00%	0	0	0.0%	0	5,250	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	119,730	96,887	23.58%	0	0	0.0%	1,546,017	1,270,158	21.7%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	619,090	588,800	5.14%	0	0	0.0%	7,109,622	8,502,655	-16.4%
PHLX SEMICONDUCTOR SECT	0	0	0.0%	30	229	-86.90%	0	0	0.0%	2,198	1,692	29.9%
S&P 500	0	0	0.0%	1,019	89	1,044.94%	0	0	0.0%	5,964	1,249	377.5%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	49,180	22,505	118.53%	0	0	0.0%	407,198	309,661	31.5%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	12,092	6,480	86.60%	0	0	0.0%	105,525	24,708	327.1%
S&P 600 SMALLCAP EMINI	0	-	-	77	-		0	-	-	582	-	-
S&P BIOTECHNOLOGY SECTO	0	0	0.0%	499	681	-26.73%	0	0	0.0%	6,105	8,822	-30.8%
S&P COMMUNICATION SERVIC	0	0	0.0%	1,505	1,210	24.38%	0	0	0.0%	39,238	35,803	9.6%
S&P CONSUMER DISCRETION	0	0	0.0%	4,379	3,260	34.33%	0	0	0.0%	59,546	75,218	-20.8%
S&P CONSUMER STAPLES SE	0	0	0.0%	9,080	8,494	6.90%	0	0	0.0%	181,866	182,093	-0.1%
S&P ENERGY SECTOR	0	0	0.0%	19,333	18,963	1.95%	0	0	0.0%	261,577	475,229	-45.0%
S&P FINANCIAL SECTOR	0	0	0.0%	8,333	8,700	-4.22%	0	0	0.0%	219,905	251,446	-12.5%
S&P HEALTH CARE SECTOR	0	0	0.0%	7,379	5,374	37.31%	0	0	0.0%	134,493	187,691	-28.3%
S&P INDUSTRIAL SECTOR	0	0	0.0%	6,902	7,335	-5.90%	0	0	0.0%	119,201	140,767	-15.3%
S&P MATERIALS SECTOR	0	0	0.0%	5,183	5,562	-6.81%	0	0	0.0%	84,422	90,828	-7.1%
S&P OIL & GAS EXPLORATION	0	0	0.0%	101	316	-68.04%	0	0	0.0%	1,877	4,635	-59.5%
S&P REAL ESTATE SECTOR	0	0	0.0%	2,847	1,382	106.01%	0	0	0.0%	63,482	43,935	44.5%
S&P REGIONAL BANKS SECTO	0	0	0.0%	858	272	215.44%	0	0	0.0%	8,507	2,311	268.1%
S&P RETAIL SECTOR	0	0	0.0%	101	289	-65.05%	0	0	0.0%	2,304	3,128	-26.3%
S&P TECHNOLOGY SECTOR	0	0	0.0%	6,064	9,227	-34.28%	0	0	0.0%	114,031	223,091	-48.9%
S&P UTILITIES SECTOR	0	0	0.0%	17,860	8,580	108.16%	0	0	0.0%	196,654	186,577	5.4%
S&P VALUE INDEX FUTURES	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

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Equity Index Futures												
TOPIX (USD)	0	0	0.0%	60	30	100.00%	0	0	0.0%	886	30	2,853.3%
TOPIX (YEN)	0	0	0.0%	494	147	236.05%	0	0	0.0%	3,393	19,952	-83.0%
WATER INDEX FUTURES	0	0	0.0%	18	3	500.00%	0	0	0.0%	167	595	-71.9%
Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	2,450	2,394	2.34%	0	0	0.0%	30,040	17,063	76.1%
DJIA	0	0	0.0%	1,284	3,480	-63.10%	0	0	0.0%	63,563	8,451	652.1%
E-mini (\$5) Dow	0	0	0.0%	122	3,318	-96.32%	0	0	0.0%	6,273	25,186	-75.1%
E-MINI NASDAQ 100	0	0	0.0%	1,395,320	933,724	49.44%	0	0	0.0%	15,253,973	11,005,313	38.6%
E-MINI RUSSELL 2000	0	0	0.0%	314,472	94,686	232.12%	0	0	0.0%	1,698,951	1,451,953	17.0%
E-MINI S&P500	0	0	0.0%	27,676,519	23,539,415	17.58%	0	0	0.0%	283,251,787	246,676,210	14.8%
EOM S&P 500	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHER OPTIONS	0	0	0.0%	2,625	446	488.57%	0	0	0.0%	17,803	840	2,019.4%
EVENT CONTRACT S&P 500	0	-	-	4,625	-		0	-	-	70,440	-	-
MICRO BITCOIN	0	0	0.0%	20,849	3,430	507.84%	0	0	0.0%	133,095	74,447	78.8%
MICRO E-MINI NASDAQ 100	0	0	0.0%	55,510	47,560	16.72%	0	0	0.0%	629,445	593,422	6.1%
Micro E-mini S&P 500	0	0	0.0%	371,185	257,197	44.32%	0	0	0.0%	2,894,564	2,592,494	11.7%
MICRO ETHER	0	0	0.0%	94,402	30,233	212.25%	0	0	0.0%	294,589	272,422	8.1%
S&P 500	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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 Futures												
ALUMINUM	0	0	0.0%	159,113	44,827	254.95%	0	0	0.0%	1,028,183	368,924	178.7%
COBALT METAL FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	409	15	2,626.7%
COMEX COPPER	0	0	0.0%	2,616,412	2,471,319	5.87%	0	0	0.0%	23,617,613	20,053,074	17.8%
COMEX E-Mini GOLD	0	0	0.0%	23,010	48,013	-52.08%	0	0	0.0%	340,231	368,046	-7.6%
COMEX E-Mini SILVER	0	0	0.0%	7,064	4,568	54.64%	0	0	0.0%	65,900	42,932	53.5%
COMEX GOLD	0	0	0.0%	5,177,559	5,319,217	-2.66%	0	0	0.0%	51,672,696	49,842,644	3.7%
COMEX MINY COPPER	0	0	0.0%	5,781	4,581	26.20%	0	0	0.0%	61,534	39,534	55.6%
COMEX SILVER	0	0	0.0%	1,774,276	1,807,437	-1.83%	0	0	0.0%	16,591,168	15,673,215	5.9%
COPPER	0	0	0.0%	93,288	91,994	1.41%	0	0	0.0%	1,142,974	509,134	124.5%
FERROUS PRODUCTS	0	0	0.0%	990	338	192.90%	0	0	0.0%	5,057	4,287	18.0%
GOLD	0	0	0.0%	6,760	793	752.46%	0	0	0.0%	12,274	60,783	-79.8%
HOT ROLLED COIL STEEL FUT	0	0	0.0%	1,997	1,486	34.39%	0	0	0.0%	17,941	9,408	90.7%
IRON ORE CHINA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LITHIUM CARBONATE FUTURE	0	-	-	0	-		0	-	-	0	-	-
METALS	0	0	0.0%	0	15	-100.00%	0	0	0.0%	155	121	28.1%
MICRO GOLD	0	0	0.0%	1,217,754	1,020,946	19.28%	0	0	0.0%	15,020,067	11,701,858	28.4%
MOLYBDENUM OXIDE FUTURE	0	-	-	0	-		0	-	-	0	-	-
NYMEX HOT ROLLED STEEL	0	0	0.0%	11,486	6,510	76.44%	0	0	0.0%	106,045	57,759	83.6%
NYMEX PLATINUM	0	0	0.0%	553,643	415,479	33.25%	0	0	0.0%	5,323,836	4,515,771	17.9%
PALLADIUM	0	0	0.0%	155,355	76,956	101.88%	0	0	0.0%	816,236	511,424	59.6%
SILVER	0	0	0.0%	241,586	199,205	21.28%	0	0	0.0%	2,480,653	1,819,846	36.3%
URANIUM	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	24	-79.2%

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CME Group Exchange Volume Comparison Report - Monthly

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Metals Options												
ALUMINUM	0	0	0.0%	727	282	157.80%	0	0	0.0%	10,087	737	1,268.7%
COMEX COPPER	0	0	0.0%	68,754	85,087	-19.20%	0	0	0.0%	1,013,679	681,730	48.7%
COMEX GOLD	0	0	0.0%	944,192	663,392	42.33%	0	0	0.0%	10,069,516	7,924,868	27.1%
COMEX SILVER	0	0	0.0%	146,714	163,609	-10.33%	0	0	0.0%	1,600,271	1,194,576	34.0%
COPPER	0	0	0.0%	8,706	4,894	77.89%	0	0	0.0%	98,509	23,375	321.4%
GOLD	0	0	0.0%	308,262	217,843	41.51%	0	0	0.0%	3,024,616	2,296,354	31.7%
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%	119	20	495.00%	0	0	0.0%	505	20	2,425.0%
NYMEX PLATINUM	0	0	0.0%	8,683	782	1,010.36%	0	0	0.0%	55,044	5,624	878.7%
PALLADIUM	0	0	0.0%	907	3	30,133.33%	0	0	0.0%	5,621	138	3,973.2%
SILVER	0	0	0.0%	39,957	44,309	-9.82%	0	0	0.0%	437,378	236,787	84.7%
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%	1,365,163	1,447,144	-5.67%	0	0	0.0%	13,720,295	15,934,541	-13.9%
CAR VINTAGE	0	0	0.0%	13,491	5,715	136.06%	0	0	0.0%	110,764	66,128	67.5%
CEU ENERGY	0	-	-	7,532	-		0	-	-	7,869	-	-
CHICAGO ETHANOL SWAP	0	0	0.0%	308	273	12.82%	0	0	0.0%	1,739	1,776	-2.1%
CHICAGO ULSD PL VS HO SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHICAGO UNL GAS PL VS RBO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	5	-100.00%	0	0	0.0%	0	80	-100.0%
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%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Futures												
CRUDE OIL OUTRIGHTS	0	0	0.0%	894	419	113.37%	0	0	0.0%	4,084	609	570.6%
CRUDE OIL PHY	0	0	0.0%	18,234,823	18,320,676	-0.47%	0	0	0.0%	208,736,722	215,440,428	-3.1%
CRUDE OIL SPRDS	0	0	0.0%	723	144	402.08%	0	0	0.0%	3,136	179	1,652.0%
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%	36,213	0	0.00%	0	0	0.0%	267,592	10,828	2,371.3%
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	12	-100.0%
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%	2,699	3,391	-20.41%	0	0	0.0%	26,046	22,428	16.1%
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	0	0.00%	0	0	0.0%	0	0	0.0%
EURO GASOIL 10 CAL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO GASOIL 10PPM VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL NWE CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 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%	33	51	-35.29%	0	0	0.0%	374	2,556	-85.4%
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%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Futures												
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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL CRACK SPREAD CALE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL MINI CALENDAR SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GERMAN POWER BASELOAD	0	0	0.0%	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%	3,262,177	2,589,043	26.00%	0	0	0.0%	35,299,514	35,566,738	-0.8%
HENRY HUB SWAP	0	0	0.0%	0	382	-100.00%	0	0	0.0%	176	1,852	-90.5%
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%

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Energy Futures												
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%	307,852	242,969	26.70%	0	0	0.0%	2,833,693	2,645,830	7.1%
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%	130	590	-77.97%	0	0	0.0%	3,254	6,849	-52.5%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	140	-100.0%
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%	15	13	15.38%	0	0	0.0%	121	99	22.2%
MINY NATURAL GAS	0	0	0.0%	184,278	325,450	-43.38%	0	0	0.0%	2,414,362	3,410,977	-29.2%
MINY RBOB GAS	0	0	0.0%	5	5	0.00%	0	0	0.0%	97	95	2.1%
MINY WTI CRUDE OIL	0	0	0.0%	287,071	432,710	-33.66%	0	0	0.0%	3,419,831	6,554,053	-47.8%
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	310	-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%	39	102	-61.76%	0	0	0.0%	338	629	-46.3%
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	53	-100.00%	0	0	0.0%	19	274	-93.1%
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%	30	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%	73,015	36,117	102.16%	0	0	0.0%	710,323	465,150	52.7%
NATURAL GAS PEN SWP	0	0	0.0%	0	4	-100.00%	0	0	0.0%	0	4	-100.0%
NATURAL GAS PHY	0	0	0.0%	8,631,180	6,829,393	26.38%	0	0	0.0%	90,274,167	77,016,182	17.2%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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 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%	0	0	0.00%	0	0	0.0%	210	72	191.7%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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 CRACK SPREAD BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%	2,884,221	2,749,107	4.91%	0	0	0.0%	37,992,847	36,591,455	3.8%
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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST FUEL OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL 180CST CAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL OIL 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 BULLET SWAP	0	-	-	0	-		0	-	-	0	-	-
WTI-BRENT CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI CALENDAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI MIDLAND CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI TRD MT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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%	900	0	0.00%	0	0	0.0%	900	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	2,231	4,802	-53.54%	0	0	0.0%	40,155	35,379	13.5%
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%	2,200	3,675	-40.14%	0	0	0.0%	7,925	36,333	-78.2%
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	0	0.0%	5,072	7,184	-29.40%	0	0	0.0%	69,888	12,785	446.6%
CRUDE OIL PHY	0	0	0.0%	3,085,586	1,936,153	59.37%	0	0	0.0%	25,717,603	22,068,736	16.5%
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%	917	2,438	-62.39%	0	0	0.0%	11,502	24,977	-53.9%
HENRY HUB FINANCIAL LAST	0	0	0.0%	1,739	4,308	-59.63%	0	0	0.0%	21,611	10,464	106.5%
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%	296	0	0.00%	0	0	0.0%	8,361	4,743	76.3%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	14,434	2,550	466.04%	0	0	0.0%	62,391	8,800	609.0%
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%	79,265	800	9,808.1%
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%	2,054,214	867,244	136.87%	0	0	0.0%	18,168,271	10,792,465	68.3%
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%	43	1,187	-96.38%	0	0	0.0%	886	3,068	-71.1%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	30	12	150.0%
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

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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												
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%	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 PHY	0	0	0.0%	133	209	-36.36%	0	0	0.0%	4,888	9,343	-47.7%
SHORT TERM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	0	550	-100.00%	0	0	0.0%	4,687	10,570	-55.7%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0.00%	0	0	0.0%	4,750	571	731.9%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	0	217	-100.00%	0	0	0.0%	170	736	-76.9%
AD/JY CROSS RATES	0	0	0.0%	1,658	2,605	-36.35%	0	0	0.0%	16,658	48,106	-65.4%
AD/NE CROSS RATES	0	0	0.0%	7,931	1,791	342.83%	0	0	0.0%	41,842	40,723	2.7%
AUSTRALIAN DOLLAR	0	0	0.0%	2,400,045	2,118,822	13.27%	0	0	0.0%	23,138,195	23,301,178	-0.7%
BP/JY CROSS RATES	0	0	0.0%	1,843	2,724	-32.34%	0	0	0.0%	23,394	48,562	-51.8%
BP/SF CROSS RATES	0	0	0.0%	2,781	1,146	142.67%	0	0	0.0%	24,253	23,029	5.3%
BRAZIL REAL	0	0	0.0%	332,400	367,245	-9.49%	0	0	0.0%	3,143,578	3,175,168	-1.0%
BRITISH POUND	0	0	0.0%	2,267,721	2,369,458	-4.29%	0	0	0.0%	24,219,907	28,351,672	-14.6%
CANADIAN DOLLAR	0	0	0.0%	1,613,848	1,783,225	-9.50%	0	0	0.0%	19,187,907	20,809,530	-7.8%
CD/JY CROSS RATES	0	0	0.0%	28	29	-3.45%	0	0	0.0%	606	387	56.6%
CHILEAN PESO	0	0	0.0%	0	0	0.00%	0	0	0.0%	45	24	87.5%
CHINESE RENMINBI (CNH)	0	0	0.0%	85,162	44,931	89.54%	0	0	0.0%	398,997	343,964	16.0%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	6	19	-68.4%
CZECK KORUNA (US)	0	0	0.0%	1	9	-88.89%	0	0	0.0%	43	37	16.2%
EC/AD CROSS RATES	0	0	0.0%	1,304	3,803	-65.71%	0	0	0.0%	54,322	61,004	-11.0%
EC/CD CROSS RATES	0	0	0.0%	3,313	4,340	-23.66%	0	0	0.0%	62,494	84,933	-26.4%
EC/NOK CROSS RATES	0	0	0.0%	1,141	1,005	13.53%	0	0	0.0%	12,248	19,714	-37.9%
EC/SEK CROSS RATES	0	0	0.0%	2,381	1,517	56.95%	0	0	0.0%	27,396	24,749	10.7%
EFX/BP CROSS RATES	0	0	0.0%	56,947	65,559	-13.14%	0	0	0.0%	757,827	1,030,979	-26.5%
EFX/JY CROSS RATES	0	0	0.0%	37,771	26,131	44.54%	0	0	0.0%	535,623	577,829	-7.3%
EFX/SF CROSS RATES	0	0	0.0%	17,952	13,899	29.16%	0	0	0.0%	247,129	414,482	-40.4%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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 Futures												
E-MICRO USD/CAD	0	0	0.0%	21	76	-72.37%	0	0	0.0%	1,106	1,914	-42.2%
E-MICRO USD/CHF	0	0	0.0%	47	27	74.07%	0	0	0.0%	1,436	766	87.5%
E-MICRO USD/JPY	0	0	0.0%	1,075	1,200	-10.42%	0	0	0.0%	35,660	152,361	-76.6%
E-MINI EURO FX	0	0	0.0%	101,268	186,774	-45.78%	0	0	0.0%	1,294,546	1,708,126	-24.2%
E-MINI JAPANESE YEN	0	0	0.0%	13,416	9,960	34.70%	0	0	0.0%	134,597	131,656	2.2%
EURO FX	0	0	0.0%	4,392,743	4,660,219	-5.74%	0	0	0.0%	51,753,858	54,807,710	-5.6%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	41	3	1,266.7%
HUNGARIAN FORINT (US)	0	0	0.0%	0	6	-100.00%	0	0	0.0%	86	48	79.2%
INDIAN RUPEE	0	0	0.0%	20,620	33,070	-37.65%	0	0	0.0%	272,263	299,751	-9.2%
JAPANESE YEN	0	0	0.0%	3,911,442	3,024,617	29.32%	0	0	0.0%	39,797,289	35,783,701	11.2%
KOREAN WON	0	0	0.0%	2,719	336	709.23%	0	0	0.0%	6,800	3,711	83.2%
MEXICAN PESO	0	0	0.0%	1,287,824	1,218,473	5.69%	0	0	0.0%	14,648,873	13,447,232	8.9%
MICRO AUD/USD	0	0	0.0%	316,148	271,953	16.25%	0	0	0.0%	3,074,834	2,916,229	5.4%
MICRO CAD/USD	0	0	0.0%	56,122	80,400	-30.20%	0	0	0.0%	573,956	694,035	-17.3%
MICRO CHF/USD	0	0	0.0%	12,228	15,839	-22.80%	0	0	0.0%	168,137	189,941	-11.5%
MICRO EUR/USD	0	0	0.0%	581,463	873,666	-33.45%	0	0	0.0%	6,704,283	8,796,529	-23.8%
MICRO GBP/USD	0	0	0.0%	73,061	126,339	-42.17%	0	0	0.0%	760,403	1,379,196	-44.9%
MICRO INR/USD	0	0	0.0%	218	764	-71.47%	0	0	0.0%	4,310	7,807	-44.8%
MICRO JPY/USD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	101,719	-100.0%
MICRO USD/CNH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2	-100.0%
NEW ZEALND DOLLAR	0	0	0.0%	690,103	609,881	13.15%	0	0	0.0%	7,273,474	7,115,365	2.2%
NKR/USD CROSS RATE	0	0	0.0%	1,617	1,386	16.67%	0	0	0.0%	32,893	29,909	10.0%
POLISH ZLOTY (EC)	0	0	0.0%	3	6	-50.00%	0	0	0.0%	552	1,219	-54.7%
POLISH ZLOTY (US)	0	0	0.0%	1,649	2,087	-20.99%	0	0	0.0%	13,228	15,610	-15.3%
RMB USD	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	29	-82.8%
RUSSIAN RUBLE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	576,766	-100.0%
S.AFRICAN RAND	0	0	0.0%	83,101	67,749	22.66%	0	0	0.0%	885,719	974,401	-9.1%
SF/JY CROSS RATES	0	0	0.0%	964	1,236	-22.01%	0	0	0.0%	6,533	6,832	-4.4%
SHEKEL	0	0	0.0%	115	6	1,816.67%	0	0	0.0%	1,458	153	852.9%
SKR/USD CROSS RATES	0	0	0.0%	4,296	5,327	-19.35%	0	0	0.0%	50,168	68,323	-26.6%
SWISS FRANC	0	0	0.0%	425,371	450,688	-5.62%	0	0	0.0%	4,988,259	5,912,606	-15.6%
TURKISH LIRA	0	0	0.0%	0	0	0.00%	0	0	0.0%	20	26	-23.1%
USDZAR	0	0	0.0%	15	0	0.00%	0	0	0.0%	215	31	593.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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%	157	89	76.40%	0	0	0.0%	2,032	1,848	10.0%
AUD/USD MONDAY OPTION W	0	0	0.0%	50	43	16.28%	0	0	0.0%	3,936	3,304	19.1%
AUD/USD MONDAY OPTION W	0	0	0.0%	49	417	-88.25%	0	0	0.0%	2,088	2,837	-26.4%
AUD/USD MONDAY OPTION W	0	0	0.0%	83	346	-76.01%	0	0	0.0%	3,259	3,580	-9.0%
AUD/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	730	1,363	-46.4%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	86,326	64,366	34.12%	0	0	0.0%	663,511	746,648	-11.1%
AUD/USD THURSDAY WKLY O	0	-	-	516	-		0	-	-	1,614	-	-
AUD/USD THURSDAY WKLY O	0	-	-	14	-		0	-	-	884	-	-
AUD/USD THURSDAY WKLY O	0	-	-	12	-		0	-	-	1,280	-	-
AUD/USD THURSDAY WKLY O	0	-	-	0	-		0	-	-	1,617	-	-
AUD/USD THURSDAY WKLY O	0	-	-	69	-		0	-	-	567	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	193	-		0	-	-	2,065	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	107	-		0	-	-	1,957	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	118	-		0	-	-	1,407	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	19	-		0	-	-	1,310	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	483	-	-
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,158	896	29.24%	0	0	0.0%	5,490	5,468	0.4%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,077	2,043	-47.28%	0	0	0.0%	13,676	17,041	-19.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,741	1,242	40.18%	0	0	0.0%	15,512	20,652	-24.9%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,051	878	19.70%	0	0	0.0%	16,178	16,990	-4.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	766	0	0.00%	0	0	0.0%	4,044	5,196	-22.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	73	50	46.00%	0	0	0.0%	4,475	6,111	-26.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	345	1,003	-65.60%	0	0	0.0%	3,223	5,674	-43.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	2,416	96	2,416.67%	0	0	0.0%	5,494	5,600	-1.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	551	849	-35.10%	0	0	0.0%	2,916	5,584	-47.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	356	380	-6.32%	0	0	0.0%	1,635	958	70.7%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	0	233	-100.00%	0	0	0.0%	345	3,276	-89.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	2,393	1,819	31.56%	0	0	0.0%	9,457	4,337	118.1%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,562	796	96.23%	0	0	0.0%	11,100	11,508	-3.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	2,103	1,403	49.89%	0	0	0.0%	9,266	11,449	-19.1%
CAD/USD MONDAY OPTIONS	0	0	0.0%	2,081	190	995.26%	0	0	0.0%	12,110	7,207	68.0%
CAD/USD MONDAY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	434	2,775	-84.4%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	30,988	99,626	-68.90%	0	0	0.0%	507,395	699,872	-27.5%
CAD/USD THURSDAY WKLY O	0	-	-	1,572	-		0	-	-	5,573	-	-

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CME Group Exchange Volume Comparison Report - Monthly

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FX Options												
CAD/USD THURSDAY WKLY O	0	-	-	598	-		0	-	-	3,652	-	-
CAD/USD THURSDAY WKLY O	0	-	-	314	-		0	-	-	4,564	-	-
CAD/USD THURSDAY WKLY O	0	-	-	0	-		0	-	-	4,954	-	-
CAD/USD THURSDAY WKLY O	0	-	-	760	-		0	-	-	3,083	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	236	-		0	-	-	4,916	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	113	-		0	-	-	7,889	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	1,087	-		0	-	-	6,645	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	183	-		0	-	-	4,224	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	1,240	-	-
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,750	3,298	13.71%	0	0	0.0%	15,010	16,217	-7.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,395	2,638	28.70%	0	0	0.0%	23,774	36,120	-34.2%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,349	3,762	15.60%	0	0	0.0%	28,319	56,559	-49.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,096	2,846	8.78%	0	0	0.0%	32,178	48,629	-33.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	103	6	1,616.67%	0	0	0.0%	11,076	12,626	-12.3%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,726	746	131.37%	0	0	0.0%	15,622	10,910	43.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,744	783	122.73%	0	0	0.0%	12,312	12,808	-3.9%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,715	459	273.64%	0	0	0.0%	12,092	15,026	-19.5%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	857	810	5.80%	0	0	0.0%	13,798	16,624	-17.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,308	1,038	26.01%	0	0	0.0%	4,874	5,512	-11.6%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	6,794	3,646	86.34%	0	0	0.0%	43,986	46,455	-5.3%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	124	166	-25.30%	0	0	0.0%	2,227	1,155	92.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	221	36	513.89%	0	0	0.0%	5,879	937	527.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	2,442	249	880.72%	0	0	0.0%	10,155	1,296	683.6%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	2,357	162	1,354.94%	0	0	0.0%	18,380	1,399	1,213.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	600	83	622.89%	0	0	0.0%	4,134	200	1,967.0%
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%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,007	1,033	-2.52%	0	0	0.0%	16,499	20,287	-18.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,108	3,017	-63.27%	0	0	0.0%	19,658	27,974	-29.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	2,915	1,962	48.57%	0	0	0.0%	18,704	12,385	51.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	716	638	12.23%	0	0	0.0%	18,399	26,946	-31.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	3,238	5,022	-35.5%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	201,838	327,101	-38.29%	0	0	0.0%	2,631,769	2,808,639	-6.3%
EUR/USD THURSDAY WKLY O	0	-	-	4,145	-		0	-	-	11,875	-	-

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CME Group Exchange Volume Comparison Report - Monthly

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FX Options												
EUR/USD THURSDAY WKLY O	0	-	-	130	-		0	-	-	7,397	-	-
EUR/USD THURSDAY WKLY O	0	-	-	3,115	-		0	-	-	8,674	-	-
EUR/USD THURSDAY WKLY O	0	-	-	0	-		0	-	-	9,514	-	-
EUR/USD THURSDAY WKLY O	0	-	-	540	-		0	-	-	920	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	2,119	-		0	-	-	6,102	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	695	-		0	-	-	7,005	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	1,100	-		0	-	-	7,567	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	916	-		0	-	-	6,681	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	3,008	-	-
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	9,680	13,182	-26.57%	0	0	0.0%	38,989	63,586	-38.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	8,198	8,794	-6.78%	0	0	0.0%	189,071	143,961	31.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	52,371	18,883	177.34%	0	0	0.0%	306,270	177,380	72.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	17,412	12,137	43.46%	0	0	0.0%	289,032	185,746	55.6%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	430	9	4,677.78%	0	0	0.0%	35,348	58,038	-39.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,976	3,254	52.92%	0	0	0.0%	57,975	69,663	-16.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,570	5,111	-10.59%	0	0	0.0%	67,986	60,452	12.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	5,812	5,963	-2.53%	0	0	0.0%	56,017	59,321	-5.6%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,651	5,767	15.33%	0	0	0.0%	54,926	70,415	-22.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,704	3,037	120.74%	0	0	0.0%	21,573	23,274	-7.3%
EVENT CONTRACT EUR/USD	0	0	0.0%	2,137	3,332	-35.86%	0	0	0.0%	58,465	6,842	754.5%
GBP/USD MONDAY OPTION W	0	0	0.0%	519	688	-24.56%	0	0	0.0%	6,918	5,977	15.7%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,149	451	154.77%	0	0	0.0%	10,273	11,163	-8.0%
GBP/USD MONDAY OPTION W	0	0	0.0%	415	643	-35.46%	0	0	0.0%	5,681	3,826	48.5%
GBP/USD MONDAY OPTION W	0	0	0.0%	2,411	483	399.17%	0	0	0.0%	9,475	6,192	53.0%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	993	3,321	-70.1%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	46,424	62,468	-25.68%	0	0	0.0%	657,196	832,860	-21.1%
GBP/USD THURSDAY WKLY O	0	-	-	106	-		0	-	-	2,643	-	-
GBP/USD THURSDAY WKLY O	0	-	-	25	-		0	-	-	1,951	-	-
GBP/USD THURSDAY WKLY O	0	-	-	519	-		0	-	-	2,912	-	-
GBP/USD THURSDAY WKLY O	0	-	-	0	-		0	-	-	1,362	-	-
GBP/USD THURSDAY WKLY O	0	-	-	80	-		0	-	-	443	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	33	-		0	-	-	1,693	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	60	-		0	-	-	3,073	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	106	-		0	-	-	2,576	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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 TUESDAY WKLY OPT	0	-	-	28	-		0	-	-	2,191	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	569	-	-
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,225	1,615	-24.15%	0	0	0.0%	7,921	9,122	-13.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,926	3,471	-44.51%	0	0	0.0%	30,953	25,874	19.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,304	6,609	-80.27%	0	0	0.0%	38,168	33,684	13.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,418	1,944	24.38%	0	0	0.0%	28,183	27,695	1.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	608	62	880.65%	0	0	0.0%	7,249	8,831	-17.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	409	661	-38.12%	0	0	0.0%	8,636	13,289	-35.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	107	509	-78.98%	0	0	0.0%	9,597	5,341	79.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	714	1,054	-32.26%	0	0	0.0%	12,297	10,933	12.5%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	630	803	-21.54%	0	0	0.0%	7,412	10,871	-31.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	73	650	-88.77%	0	0	0.0%	1,522	1,320	15.3%
JPY/USD MONDAY OPTION WE	0	0	0.0%	1,637	88	1,760.23%	0	0	0.0%	9,022	6,782	33.0%
JPY/USD MONDAY OPTION WE	0	0	0.0%	1,744	1,563	11.58%	0	0	0.0%	14,310	9,428	51.8%
JPY/USD MONDAY OPTION WE	0	0	0.0%	1,999	109	1,733.94%	0	0	0.0%	7,335	3,085	137.8%
JPY/USD MONDAY OPTION WE	0	0	0.0%	661	289	128.72%	0	0	0.0%	8,042	12,444	-35.4%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	0	0.00%	0	0	0.0%	4,752	967	391.4%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	182,504	74,881	143.73%	0	0	0.0%	1,139,099	1,367,549	-16.7%
JPY/USD THURSDAY WKLY OP	0	-	-	225	-		0	-	-	2,851	-	-
JPY/USD THURSDAY WKLY OP	0	-	-	2	-		0	-	-	986	-	-
JPY/USD THURSDAY WKLY OP	0	-	-	117	-		0	-	-	542	-	-
JPY/USD THURSDAY WKLY OP	0	-	-	0	-		0	-	-	1,047	-	-
JPY/USD THURSDAY WKLY OP	0	-	-	1,331	-		0	-	-	1,608	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	154	-		0	-	-	1,622	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	155	-		0	-	-	4,227	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	689	-		0	-	-	3,120	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	3	-		0	-	-	3,524	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	2,762	-	-
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,605	5,796	13.96%	0	0	0.0%	16,887	37,624	-55.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	8,213	6,686	22.84%	0	0	0.0%	77,415	86,274	-10.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	11,329	10,842	4.49%	0	0	0.0%	85,682	124,734	-31.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,049	3,501	72.78%	0	0	0.0%	90,802	112,335	-19.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	447	21	2,028.57%	0	0	0.0%	19,237	37,070	-48.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,544	1,728	47.22%	0	0	0.0%	37,467	42,323	-11.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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 WED OPTIONS	0	0	0.0%	6,803	3,165	114.94%	0	0	0.0%	33,610	39,469	-14.8%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,836	2,992	28.21%	0	0	0.0%	33,859	35,010	-3.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,847	2,101	35.51%	0	0	0.0%	24,412	46,248	-47.2%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,523	3,561	-1.07%	0	0	0.0%	10,026	14,891	-32.7%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	563	954	-40.99%	0	0	0.0%	6,586	7,819	-15.8%
MXN/USD WKLY FRIDAY OPTI	0	-	-	0	-		0	-	-	5	-	-
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	17	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	100	-100.00%	0	0	0.0%	0	100	-100.0%
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%	15	4	275.00%	0	0	0.0%	710	684	3.8%
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-		0	-	-	2	-	-
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%
USD/CNH MONTHLY OPTIONS	0	-	-	70	-		0	-	-	141	-	-
USD/CNH WEEKLY FRIDAY OP	0	-	-	0	-		0	-	-	34	-	-
ZAR/USD MONTHLY OPTIONS	0	-	-	0	-		0	-	-	0	-	-

Ag Products Futures

BLOCK CHEESE	0	0	0.0%	175	189	-7.41%	0	0	0.0%	4,876	2,798	74.3%
BUTTER CS	0	0	0.0%	3,820	3,733	2.33%	0	0	0.0%	40,199	43,973	-8.6%
CASH-SETTLED CHEESE	0	0	0.0%	14,377	9,198	56.31%	0	0	0.0%	143,662	103,013	39.5%
CAT ASIA WEATHER	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CATTLE	0	0	0.0%	1,524,215	1,200,984	26.91%	0	0	0.0%	15,202,888	13,221,236	15.0%
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%	150	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%	3,100,577	2,527,533	22.67%	0	0	0.0%	28,682,148	24,355,031	17.8%
CLASS IV MILK	0	0	0.0%	2,141	1,129	89.64%	0	0	0.0%	15,372	23,997	-35.9%
COFFEE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CORN	0	0	0.0%	8,479,079	6,953,817	21.93%	0	0	0.0%	76,294,443	70,806,205	7.8%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	43	0	0.00%	0	0	0.0%	119	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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%	10,486	12,777	-17.93%	0	0	0.0%	234,269	437,431	-46.4%
DOW-UBS COMMOD INDEX SW	0	-	-	0	-		0	0	0.0%	0	0	0.0%
DRY WHEY	0	0	0.0%	1,096	669	63.83%	0	0	0.0%	11,777	9,667	21.8%
FEEDER CATTLE	0	0	0.0%	372,935	277,193	34.54%	0	0	0.0%	4,032,974	3,101,725	30.0%
FERTILIZER PRODUCTS	0	0	0.0%	0	1	-100.00%	0	0	0.0%	4	8	-50.0%
GOLDMAN SACHS	0	0	0.0%	1,787	2,194	-18.55%	0	0	0.0%	19,591	30,544	-35.9%
GSCI EXCESS RETURN FUT	0	0	0.0%	58	0	0.00%	0	0	0.0%	81	91	-11.0%
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%	50	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	25	0	0.00%	0	0	0.0%	25	0	0.0%
HOGS	0	0	0.0%	1,158,379	943,827	22.73%	0	0	0.0%	11,879,185	10,580,799	12.3%
HOUSING INDEX	0	0	0.0%	10	17	-41.18%	0	0	0.0%	188	173	8.7%
KC WHEAT	0	0	0.0%	1,225,308	854,091	43.46%	0	0	0.0%	11,359,486	9,610,375	18.2%
LUMBER	0	0	0.0%	21,341	8,308	156.87%	0	0	0.0%	170,116	97,456	74.6%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	34,860	25,536	36.51%	0	0	0.0%	359,015	304,740	17.8%
MINI CORN	0	0	0.0%	31,464	32,046	-1.82%	0	0	0.0%	362,713	583,477	-37.8%
MINI SOYBEAN	0	0	0.0%	51,025	39,521	29.11%	0	0	0.0%	479,551	643,960	-25.5%
MINI WHEAT	0	0	0.0%	20,182	25,922	-22.14%	0	0	0.0%	322,246	306,273	5.2%
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%	4,130	4,838	-14.63%	0	0	0.0%	54,673	61,686	-11.4%
OATS	0	0	0.0%	15,631	11,296	38.38%	0	0	0.0%	145,268	95,937	51.4%
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%	266	1,489	-82.14%	0	0	0.0%	14,902	22,861	-34.8%
ROUGH RICE	0	0	0.0%	20,407	18,120	12.62%	0	0	0.0%	209,829	207,478	1.1%
SOYBEAN	0	0	0.0%	4,794,105	3,377,919	41.92%	0	0	0.0%	54,548,106	44,613,430	22.3%
SOYBEAN MEAL	0	0	0.0%	3,757,691	2,545,523	47.62%	0	0	0.0%	33,220,257	24,447,059	35.9%
SOYBEAN OIL	0	0	0.0%	3,722,996	2,951,519	26.14%	0	0	0.0%	34,186,678	26,342,657	29.8%
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	0	0.00%	0	0	0.0%	30	6,012	-99.5%

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CME Group Exchange Volume Comparison Report - Monthly

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Ag Products Options												
AUG-DEC SOYBEAN MEAL CS	0	-	-	0	-		0	-	-	1,950	-	-
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,410	212	565.1%
BLOCK CHEESE	0	0	0.0%	1,360	0	0.00%	0	0	0.0%	6,054	2,515	140.7%
BUTTER CS	0	0	0.0%	872	2,185	-60.09%	0	0	0.0%	17,953	16,191	10.9%
CASH-SETTLED CHEESE	0	0	0.0%	5,433	4,646	16.94%	0	0	0.0%	70,567	67,370	4.7%
CATTLE	0	0	0.0%	534,767	204,546	161.44%	0	0	0.0%	3,737,529	2,331,010	60.3%
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%	544,611	548,118	-0.64%	0	0	0.0%	6,986,996	6,537,382	6.9%
CLASS IV MILK	0	0	0.0%	11,101	8,096	37.12%	0	0	0.0%	78,630	81,994	-4.1%
CORN	0	0	0.0%	2,155,917	1,858,813	15.98%	0	0	0.0%	28,478,685	28,352,251	0.4%
CORN NEARBY+2 CAL SPRD	0	0	0.0%	9,716	16,426	-40.85%	0	0	0.0%	269,995	236,950	13.9%
DEC-DEC CORN CAL SPRD	0	0	0.0%	92	0	0.00%	0	0	0.0%	5,878	0	0.0%
DEC-JUL SOYBEAN MEAL CSO	0	-	-	0	-		0	-	-	230	-	-
DEC-JULY CORN CAL SPRD	0	0	0.0%	1,158	3,245	-64.31%	0	0	0.0%	18,724	19,106	-2.0%
DEC-JULY WHEAT CAL SPRD	0	-	-	0	-		0	-	-	350	-	-
DRY WHEY	0	0	0.0%	381	0	0.00%	0	0	0.0%	2,458	2,734	-10.1%
FEEDER CATTLE	0	0	0.0%	102,817	28,770	257.38%	0	0	0.0%	730,571	389,976	87.3%
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%	316,678	183,582	72.50%	0	0	0.0%	3,498,448	2,478,029	41.2%
Intercommodity Spread	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	0	0	0.0%	0	300	-100.00%	0	0	0.0%	0	300	-100.0%
JULY-DEC CORN CAL SPRD	0	0	0.0%	261	15,032	-98.26%	0	0	0.0%	101,359	93,952	7.9%
JULY-DEC SOYMEAL CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,270	845	168.6%
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,560	0	0.0%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	3,200	-100.0%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	10	2	400.0%
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	6,175	5,155	19.79%	0	0	0.0%	86,600	53,614	61.5%
KC WHEAT	0	0	0.0%	34,369	46,119	-25.48%	0	0	0.0%	741,096	754,643	-1.8%
LUMBER	0	0	0.0%	933	206	352.91%	0	0	0.0%	5,695	4,316	32.0%
LV CATL CSO	0	-	-	0	-		0	-	-	60	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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-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%	3,960	8,840	-55.20%	0	0	0.0%	23,979	39,445	-39.2%
MAR-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,030	650	58.5%
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%	25,172	32,763	-23.17%	0	0	0.0%	240,485	262,209	-8.3%
MLK MID OPTIONS	0	0	0.0%	3	1	200.00%	0	0	0.0%	25	46	-45.7%
NFD MILK	0	0	0.0%	4,821	2,579	86.93%	0	0	0.0%	51,116	38,247	33.6%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,420	5,260	-73.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	4,369	0	0.0%
OATS	0	0	0.0%	149	70	112.86%	0	0	0.0%	1,940	1,998	-2.9%
PACIFIC RIM DAT SS WTHR	0	-	-	0	-		0	-	-	0	-	-
PORK CUTOUT	0	0	0.0%	0	10	-100.00%	0	0	0.0%	111	45	146.7%
ROUGH RICE	0	0	0.0%	2,339	1,609	45.37%	0	0	0.0%	25,518	18,936	34.8%
SEP-DEC SOYBEAN MEAL CSC	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,350	830	183.1%
SOYBEAN	0	0	0.0%	1,479,248	787,378	87.87%	0	0	0.0%	16,747,870	15,801,251	6.0%
SOYBEAN CRUSH	0	0	0.0%	0	5	-100.00%	0	0	0.0%	5	170	-97.1%
SOYBEAN MEAL	0	0	0.0%	718,126	179,072	301.03%	0	0	0.0%	4,385,685	2,437,857	79.9%
SOYBEAN OIL	0	0	0.0%	248,747	321,885	-22.72%	0	0	0.0%	3,917,426	2,675,085	46.4%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	8,750	3,350	161.19%	0	0	0.0%	79,146	40,509	95.4%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	1,460	0	0.00%	0	0	0.0%	6,680	1,250	434.4%
SOY OIL NEARBY+2 CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	175	1,250	-86.0%
WHEAT	0	0	0.0%	2,954	958	208.35%	0	0	0.0%	20,543	2,979	589.6%
WHEAT-CORN ICSCO	0	0	0.0%	0	0	0.00%	0	0	0.0%	270	2,522	-89.3%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	525	170	208.82%	0	0	0.0%	5,883	33,937	-82.7%
TOTAL FUTURES GROUP												
Interest Rate Futures	519,292	641,018	-19.0%	278,230,535	191,935,546	45.0%	7,056,989	9,131,234	-22.7%	2,151,414,260	1,949,782,288	10.3%
Equity Index Futures	0	0	0.0%	93,723,937	118,433,641	-20.9%	0	0	0.0%	1,205,749,673	1,482,885,747	-18.7%
Metals Futures	0	0	0.0%	12,046,074	11,513,684	4.6%	0	0	0.0%	118,302,977	105,578,799	12.1%
Energy Futures	0	0	0.0%	35,291,862	32,983,756	7.0%	0	0	0.0%	395,827,619	393,740,274	0.5%
FX Futures	0	0	0.0%	18,811,876	18,450,541	2.0%	0	0	0.0%	204,377,642	213,480,532	-4.3%
Ag Products Futures	0	0	0.0%	28,368,609	21,829,389	30.0%	0	0	0.0%	271,994,871	230,060,092	18.2%
TOTAL FUTURES	519,292	641,018	-19.0%	466,472,893	395,146,557	18.1%	7,056,989	9,131,234	-22.7%	4,347,667,042	4,375,527,732	-0.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2023	Open Outcry NOV 2022	% CHG	ELEC NOV 2023	ELEC NOV 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%	29,939,363	24,915,883	20.2%	0	0	0.0%	304,344,523	262,717,801	15.8%
Interest Rate Options	25,538,115	15,204,651	68.0%	38,381,462	31,258,531	22.8%	253,215,720	177,610,864	42.6%	381,770,130	320,256,755	19.2%
Metals Options	0	0	0.0%	1,527,021	1,180,221	29.4%	0	0	0.0%	16,315,226	12,364,209	32.0%
Energy Options	0	0	0.0%	5,167,765	2,830,300	82.6%	0	0	0.0%	44,203,113	33,019,046	33.9%
FX Options	0	0	0.0%	820,457	811,205	1.1%	0	0	0.0%	8,068,319	8,687,038	-7.1%
Ag Products Options	0	0	0.0%	6,222,895	4,263,929	45.9%	0	0	0.0%	70,362,104	62,791,218	12.1%
TOTAL OPTIONS	25,538,115	15,204,651	68.0%	82,058,963	65,260,069	25.7%	253,215,720	177,610,864	42.6%	825,063,415	699,836,067	17.9%
TOTAL COMBINED												
Interest Rate	26,057,407	15,845,669	64.4%	316,611,997	223,194,077	41.9%	260,272,709	186,742,098	39.4%	2,533,184,390	2,270,039,043	11.6%
Equity Index	0	0	0.0%	123,663,300	143,349,524	-13.7%	0	0	0.0%	1,510,094,196	1,745,603,548	-13.5%
Metals	0	0	0.0%	13,573,095	12,693,905	6.9%	0	0	0.0%	134,618,203	117,943,008	14.1%
Energy	0	0	0.0%	40,459,627	35,814,056	13.0%	0	0	0.0%	440,030,732	426,759,320	3.1%
FX	0	0	0.0%	19,632,333	19,261,746	1.9%	0	0	0.0%	212,445,961	222,167,570	-4.4%
Ag Products	0	0	0.0%	34,591,504	26,093,318	32.6%	0	0	0.0%	342,356,975	292,851,310	16.9%
GRAND TOTAL	26,057,407	15,845,669	64.4%	548,531,856	460,406,626	19.1%	260,272,709	186,742,098	39.4%	5,172,730,457	5,075,363,799	1.9%

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