



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>Interest Rate Futures</b>												
10-YR Eris LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	4,042	-100.0%
10-YR Eris SOFR	0	0	0.0%	2,114	1,110	90.45%	0	0	0.0%	15,159	2,518	502.0%
10-YR MAC LIBOR	0	0	0.0%	0	2,634	-100.00%	0	0	0.0%	0	22,224	-100.0%
10-YR MAC SOFR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	18	-100.0%
10-YR NOTE	0	0	0.0%	48,806,521	25,316,246	92.79%	0	0	0.0%	183,800,111	153,068,964	20.1%
10Y YIELD	0	0	0.0%	195,534	82,326	137.51%	0	0	0.0%	534,973	334,400	60.0%
13-Week U.S. T-Bill Futures	0	-	-	10,463	-	-	0	-	-	87,875	-	-
15-YR Eris LIBOR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
1-MONTH EURODOLLAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	6	-100.0%
1-YR Eris BSBY	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
1-YR Eris SOFR	0	0	0.0%	2,986	2,980	0.20%	0	0	0.0%	10,370	17,308	-40.1%
20-YR BOND	0	0	0.0%	0	306	-100.00%	0	0	0.0%	0	2,670	-100.0%
2-YR Eris LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	4,517	-100.0%
2-YR Eris SOFR	0	0	0.0%	8,227	3,430	139.85%	0	0	0.0%	21,692	13,035	66.4%
2-YR NOTE	0	0	0.0%	16,120,975	9,338,371	72.63%	0	0	0.0%	68,884,554	55,999,902	23.0%
2Y YIELD	0	0	0.0%	3,856	4,468	-13.70%	0	0	0.0%	15,320	33,266	-53.9%
30-Year UMBS TBA Futures - 2.5	0	0	0.0%	0	17	-100.00%	0	0	0.0%	0	302	-100.0%
30-Year UMBS TBA Futures - 3.0	0	0	0.0%	595	116	412.93%	0	0	0.0%	2,435	777	213.4%
30-Year UMBS TBA Futures - 3.5	0	0	0.0%	540	365	47.95%	0	0	0.0%	2,823	925	205.2%
30-Year UMBS TBA Futures - 4.0	0	0	0.0%	836	29	2,782.76%	0	0	0.0%	4,433	545	713.4%
30-Year UMBS TBA Futures - 4.5	0	0	0.0%	1,513	404	274.50%	0	0	0.0%	4,731	1,001	372.6%
30-Year UMBS TBA Futures - 5.0	0	0	0.0%	1,857	159	1,067.92%	0	0	0.0%	9,574	1,017	841.4%
30-Year UMBS TBA Futures - 5.5	0	0	0.0%	3,090	85	3,535.29%	0	0	0.0%	10,077	738	1,265.4%
30-Year UMBS TBA Futures - 6.0	0	0	0.0%	1,415	0	0.00%	0	0	0.0%	7,902	672	1,075.9%
30-YR BOND	0	0	0.0%	10,358,274	4,660,210	122.27%	0	0	0.0%	40,663,332	30,325,562	34.1%
30-YR Eris LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
30-YR MAC LIBOR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
30-YR SWAP RATE	0	-	-	0	-	-	0	-	-	0	-	-
30Y YIELD	0	0	0.0%	148	671	-77.94%	0	0	0.0%	767	4,639	-83.5%
3-YR Eris BSBY	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
3-YR Eris LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	3,703	-100.0%
3-YR Eris SOFR	0	0	0.0%	2,970	968	206.82%	0	0	0.0%	22,232	7,317	203.8%
3-YR NOTE	0	0	0.0%	186,784	94,016	98.67%	0	0	0.0%	789,327	469,732	68.0%

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<b>Interest Rate Futures</b>												
4-YR Eris LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	1,140	-100.0%
4-YR Eris SOFR	0	0	0.0%	215	400	-46.25%	0	0	0.0%	3,537	1,927	83.5%
5-YR Eris LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	21,264	-100.0%
5-YR Eris SOFR	0	0	0.0%	13,297	7,447	78.56%	0	0	0.0%	43,331	28,029	54.6%
5-YR MAC LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	39,532	-100.0%
5-YR MAC SOFR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	88	-100.0%
5-YR NOTE	0	0	0.0%	29,844,325	18,404,122	62.16%	0	0	0.0%	127,864,935	111,037,236	15.2%
5Y YIELD	0	0	0.0%	0	0	0.00%	0	0	0.0%	3	865	-99.7%
7-YR Eris LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2,242	-100.0%
7-YR Eris SOFR	0	0	0.0%	80	210	-61.90%	0	0	0.0%	3,498	1,035	238.0%
BSBY 3-MONTH FUTURES	0	0	0.0%	172	4,206	-95.91%	0	0	0.0%	784	24,177	-96.8%
ESTR Basis Spread Futures	0	0	0.0%	1,112	102	990.20%	0	0	0.0%	21,624	4,668	363.2%
ESTR Futures	0	0	0.0%	376,321	30,893	1,118.14%	0	0	0.0%	1,261,882	133,237	847.1%
EURODOLLARS	0	10,046	-100.0%	0	1,314,487	-100.00%	0	256,740	-100.0%	0	27,166,162	-100.0%
FED FUND	0	0	0.0%	7,284,474	7,676,667	-5.11%	0	0	0.0%	32,044,014	44,680,480	-28.3%
FTIIE	0	0	0.0%	125	356	-64.89%	0	0	0.0%	939	1,103	-14.9%
MICRO ULTRA 10-YEAR NOTE	0	-	-	136,261	-	-	0	-	-	144,435	-	-
MICRO ULTRA T-BOND	0	-	-	72,765	-	-	0	-	-	82,488	-	-
SOFR	499,847	402,855	24.1%	73,228,488	47,632,804	53.74%	2,196,544	3,625,993	-39.4%	287,237,482	281,969,808	1.9%
SONIA	0	0	0.0%	15	0	0.00%	0	0	0.0%	349	168	107.7%
UBSBM	0	-	-	338	-	-	0	-	-	1,628	-	-
Ultra 10-Year Note	0	0	0.0%	12,296,468	4,971,323	147.35%	0	0	0.0%	51,197,545	33,839,975	51.3%
ULTRA T-BOND	0	0	0.0%	7,908,774	2,813,403	181.11%	0	0	0.0%	31,282,769	19,191,612	63.0%

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<b>Interest Rate Options</b>												
10-YR NOTE	0	0	0.0%	21,587,872	10,405,196	107.47%	0	0	0.0%	72,476,887	59,064,418	22.7%
2-YR NOTE	0	0	0.0%	1,009,385	356,114	183.44%	0	0	0.0%	2,797,958	1,504,463	86.0%
30-YR BOND	0	0	0.0%	4,584,300	1,713,228	167.58%	0	0	0.0%	14,365,673	9,735,524	47.6%
5-YR NOTE	0	0	0.0%	5,165,175	5,849,502	-11.70%	0	0	0.0%	20,733,341	25,860,917	-19.8%
EURODOLLARS	0	182,403	-100.0%	0	459,480	-100.00%	0	1,770,390	-100.0%	0	6,589,097	-100.0%
EURO MIDCURVE	0	31,150	-100.0%	0	1,782	-100.00%	0	396,228	-100.0%	0	201,525	-100.0%
FED FUND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2	-100.0%
SOFR	16,986,974	16,724,646	1.6%	6,430,769	6,459,354	-0.44%	83,216,114	94,755,473	-12.2%	34,255,005	37,225,992	-8.0%
SOFR MIDCURVE	3,889,087	2,530,250	53.7%	1,391,826	999,396	39.27%	17,262,815	19,706,905	-12.4%	7,274,093	7,601,444	-4.3%
SOFR MISCURVE	0	0	0.0%	0	0	0.00%	0	0	0.0%	750	700	7.1%
Ultra 10-Year Note	0	0	0.0%	19,913	3	663,666.67%	0	0	0.0%	52,641	807	6,423.0%
ULTRA 10-YEAR NOTE	0	-	-	209	-		0	-	-	402	-	-
ULTRA T-BOND	0	0	0.0%	24,173	1,547	1,462.57%	0	0	0.0%	76,734	4,883	1,471.5%
<b>Equity Index Futures</b>												
AIR	0	0	0.0%	37,769	515	7,233.79%	0	0	0.0%	173,744	10,215	1,600.9%
BITCOIN	0	0	0.0%	283,643	169,558	67.28%	0	0	0.0%	1,207,000	806,557	49.6%
DJ US REAL ESTATE SECTOR	0	0	0.0%	32,719	21,809	50.03%	0	0	0.0%	136,050	116,015	17.3%
E-mini (\$5) Dow	0	0	0.0%	3,668,308	2,789,883	31.49%	0	0	0.0%	12,603,008	14,836,743	-15.1%
E-mini FTSE China 50	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	44	-100.0%
E-MINI MIDCAP	0	0	0.0%	269,817	190,628	41.54%	0	0	0.0%	1,095,145	1,108,017	-1.2%
E-MINI NASDAQ 100	0	0	0.0%	15,702,694	11,643,596	34.86%	0	0	0.0%	57,400,263	54,037,242	6.2%
E-MINI RUSSELL 1000	0	0	0.0%	3,349	964	247.41%	0	0	0.0%	10,877	7,436	46.3%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,925	766	151.31%	0	0	0.0%	16,403	6,961	135.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	4,198	2,453	71.14%	0	0	0.0%	22,213	15,322	45.0%
E-MINI RUSSELL 2000	0	0	0.0%	4,543,795	3,121,154	45.58%	0	0	0.0%	18,431,118	17,597,493	4.7%
E-MINI S&P500	0	0	0.0%	37,406,807	29,015,168	28.92%	0	0	0.0%	137,213,029	154,247,169	-11.0%
E-MINI S&P500 ESG	0	0	0.0%	13,020	13,775	-5.48%	0	0	0.0%	85,024	76,664	10.9%
ETHER	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHER FUTURES	0	0	0.0%	89,713	105,487	-14.95%	0	0	0.0%	453,298	470,167	-3.6%
FT-SE 100	0	0	0.0%	0	30	-100.00%	0	0	0.0%	0	175	-100.0%

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<b>Equity Index Futures</b>												
IBOVESPA INDEX	0	0	0.0%	0	18	-100.00%	0	0	0.0%	42	132	-68.2%
MICRO BITCOIN	0	0	0.0%	801,121	242,303	230.63%	0	0	0.0%	3,015,573	859,120	251.0%
MICRO E-MINI NASDAQ 100	0	0	0.0%	33,610,605	17,515,475	91.89%	0	0	0.0%	110,608,466	89,178,143	24.0%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	1,833,623	1,317,047	39.22%	0	0	0.0%	7,307,227	6,787,113	7.7%
MICRO E-MINI S&P500	0	0	0.0%	23,258,415	17,354,035	34.02%	0	0	0.0%	72,446,946	97,340,793	-25.6%
MICRO ETHER	0	0	0.0%	521,115	270,097	92.94%	0	0	0.0%	1,843,210	889,638	107.2%
MICRO MINI \$5 DOW	0	0	0.0%	2,674,682	1,777,560	50.47%	0	0	0.0%	7,677,906	11,100,806	-30.8%
NASDAQ-100 VOLATILITY	0	0	0.0%	0	10	-100.00%	0	0	0.0%	0	3,202	-100.0%
NASDAQ BIOTECH SECTOR	0	0	0.0%	121	236	-48.73%	0	0	0.0%	154	745	-79.3%
Nearby BTIC+	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	198,550	63,354	213.40%	0	0	0.0%	753,083	373,080	101.9%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	649,908	390,842	66.28%	0	0	0.0%	2,581,849	2,185,242	18.1%
PHLX SEMICONDUCTOR SECT	0	0	0.0%	609	584	4.28%	0	0	0.0%	2,593	1,291	100.9%
S&P 500	0	0	0.0%	715	599	19.37%	0	0	0.0%	2,623	2,200	19.2%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	38,059	28,819	32.06%	0	0	0.0%	114,721	117,327	-2.2%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	8,455	10,813	-21.81%	0	0	0.0%	29,802	42,695	-30.2%
S&P 600 SMALLCAP EMINI	0	-	-	1,586	-	-	0	-	-	3,946	-	-
S&P BIOTECHNOLOGY SECTO	0	0	0.0%	394	1,128	-65.07%	0	0	0.0%	1,310	2,938	-55.4%
S&P COMMUNICATION SERVIC	0	0	0.0%	3,572	2,268	57.50%	0	0	0.0%	26,815	11,878	125.8%
S&P CONSUMER DISCRETION	0	0	0.0%	6,428	3,089	108.09%	0	0	0.0%	24,884	19,729	26.1%
S&P CONSUMER STAPLES SE	0	0	0.0%	14,689	10,140	44.86%	0	0	0.0%	65,303	59,300	10.1%
S&P ENERGY SECTOR	0	0	0.0%	18,862	14,768	27.72%	0	0	0.0%	86,043	100,446	-14.3%
S&P FINANCIAL SECTOR	0	0	0.0%	11,037	11,533	-4.30%	0	0	0.0%	80,553	77,639	3.8%
S&P HEALTH CARE SECTOR	0	0	0.0%	12,137	6,850	77.18%	0	0	0.0%	54,742	49,539	10.5%
S&P INDUSTRIAL SECTOR	0	0	0.0%	8,568	6,255	36.98%	0	0	0.0%	40,196	40,718	-1.3%
S&P MATERIALS SECTOR	0	0	0.0%	7,528	3,113	141.82%	0	0	0.0%	35,773	31,993	11.8%
S&P OIL & GAS EXPLORATION	0	0	0.0%	119	133	-10.53%	0	0	0.0%	373	938	-60.2%
S&P REAL ESTATE SECTOR	0	0	0.0%	4,809	1,809	165.84%	0	0	0.0%	37,488	20,371	84.0%
S&P REGIONAL BANKS SECTO	0	0	0.0%	523	1,293	-59.55%	0	0	0.0%	3,403	3,592	-5.3%
S&P RETAIL SECTOR	0	0	0.0%	128	86	48.84%	0	0	0.0%	342	1,411	-75.8%
S&P TECHNOLOGY SECTOR	0	0	0.0%	6,896	4,916	40.28%	0	0	0.0%	46,799	46,381	0.9%
S&P UTILITIES SECTOR	0	0	0.0%	20,318	8,651	134.86%	0	0	0.0%	86,187	67,063	28.5%
TOPIX (USD)	0	0	0.0%	20	0	0.00%	0	0	0.0%	331	139	138.1%
TOPIX (YEN)	0	0	0.0%	1,381	74	1,766.22%	0	0	0.0%	6,512	983	562.5%

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<b>Equity Index Futures</b>												
WATER INDEX FUTURES	0	0	0.0%	25	14	78.57%	0	0	0.0%	75	84	-10.7%
<b>Equity Index Options</b>												
BITCOIN OPTIONS	0	0	0.0%	4,136	1,868	121.41%	0	0	0.0%	15,855	11,055	43.4%
DJIA	0	0	0.0%	1,935	17,409	-88.89%	0	0	0.0%	3,747	34,330	-89.1%
E-mini (\$5) Dow	0	0	0.0%	2,158	417	417.51%	0	0	0.0%	3,254	4,134	-21.3%
E-MINI NASDAQ 100	0	0	0.0%	2,022,146	901,925	124.20%	0	0	0.0%	7,144,898	4,189,313	70.6%
E-MINI RUSSELL 2000	0	0	0.0%	386,327	167,901	130.09%	0	0	0.0%	1,286,293	546,265	135.5%
E-MINI S&P500	0	0	0.0%	35,596,041	18,042,265	97.29%	0	0	0.0%	124,903,755	91,630,598	36.3%
ETHER OPTIONS	0	0	0.0%	1,259	805	56.40%	0	0	0.0%	8,713	2,656	228.0%
EVENT CONTRACT S&P 500	0	0	0.0%	1,440	12,763	-88.72%	0	0	0.0%	8,484	14,502	-41.5%
MICRO BITCOIN	0	0	0.0%	8,759	11,078	-20.93%	0	0	0.0%	33,751	30,530	10.6%
MICRO E-MINI NASDAQ 100	0	0	0.0%	95,360	41,434	130.15%	0	0	0.0%	283,297	212,123	33.6%
Micro E-mini S&P 500	0	0	0.0%	354,430	172,052	106.00%	0	0	0.0%	1,260,874	1,022,991	23.3%
MICRO ETHER	0	0	0.0%	12,743	8,782	45.10%	0	0	0.0%	73,497	39,372	86.7%
S&P 500	0	-	-	55	-		0	-	-	195	-	-

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>Metals Futures</b>												
ALUMINUM	0	0	0.0%	161,501	81,756	97.54%	0	0	0.0%	649,601	280,018	132.0%
COBALT METAL FUTURES	0	0	0.0%	2	20	-90.00%	0	0	0.0%	51	308	-83.4%
COMEX COPPER	0	0	0.0%	3,925,862	2,157,321	81.98%	0	0	0.0%	11,207,508	8,838,903	26.8%
COMEX E-Mini GOLD	0	0	0.0%	42,538	35,467	19.94%	0	0	0.0%	91,523	174,144	-47.4%
COMEX E-Mini SILVER	0	0	0.0%	17,904	6,831	162.10%	0	0	0.0%	34,343	27,687	24.0%
COMEX GOLD	0	0	0.0%	6,073,479	3,755,655	61.72%	0	0	0.0%	21,456,707	19,453,345	10.3%
COMEX MINY COPPER	0	0	0.0%	7,345	6,225	17.99%	0	0	0.0%	20,137	24,696	-18.5%
COMEX SILVER	0	0	0.0%	2,932,920	1,599,969	83.31%	0	0	0.0%	7,447,677	6,045,985	23.2%
COPPER	0	0	0.0%	282,991	102,703	175.54%	0	0	0.0%	590,701	448,189	31.8%
FERROUS PRODUCTS	0	0	0.0%	204	293	-30.38%	0	0	0.0%	2,659	1,261	110.9%
GOLD	0	0	0.0%	26,111	1,534	1,602.15%	0	0	0.0%	50,900	2,840	1,692.3%
HOT ROLLED COIL STEEL FUT	0	0	0.0%	1,022	665	53.68%	0	0	0.0%	5,748	6,620	-13.2%
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%	5	1	400.00%	0	0	0.0%	23	103	-77.7%
MICRO GOLD	0	0	0.0%	3,630,262	1,587,705	128.65%	0	0	0.0%	7,592,157	5,847,097	29.8%
MOLYBDENUM OXIDE FUTURE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX HOT ROLLED STEEL	0	0	0.0%	6,731	7,923	-15.04%	0	0	0.0%	32,203	34,477	-6.6%
NYMEX PLATINUM	0	0	0.0%	738,702	351,886	109.93%	0	0	0.0%	2,624,199	1,765,516	48.6%
PALLADIUM	0	0	0.0%	94,288	42,948	119.54%	0	0	0.0%	398,356	228,891	74.0%
SILVER	0	0	0.0%	589,213	232,289	153.66%	0	0	0.0%	1,087,407	909,475	19.6%
URANIUM	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>Metals Options</b>												
ALUMINUM	0	0	0.0%	5,162	436	1,083.94%	0	0	0.0%	13,145	1,640	701.5%
COMEX COPPER	0	0	0.0%	286,087	82,457	246.95%	0	0	0.0%	695,968	431,884	61.1%
COMEX GOLD	0	0	0.0%	1,528,004	805,629	89.67%	0	0	0.0%	4,304,554	3,777,641	13.9%
COMEX SILVER	0	0	0.0%	452,095	166,398	171.69%	0	0	0.0%	937,526	628,073	49.3%
COPPER	0	0	0.0%	19,911	8,221	142.20%	0	0	0.0%	54,524	41,862	30.2%
GOLD	0	0	0.0%	661,276	254,494	159.84%	0	0	0.0%	1,679,780	1,130,491	48.6%
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%	20	0	0.00%	0	0	0.0%	242	10	2,320.0%
NYMEX PLATINUM	0	0	0.0%	14,300	5,612	154.81%	0	0	0.0%	31,223	11,831	163.9%
PALLADIUM	0	0	0.0%	577	729	-20.85%	0	0	0.0%	3,226	2,080	55.1%
SILVER	0	0	0.0%	105,394	36,285	190.46%	0	0	0.0%	258,194	147,230	75.4%
<b>Energy Futures</b>												
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%	1,813,205	999,061	81.49%	0	0	0.0%	5,734,118	4,495,577	27.6%
CAR VINTAGE	0	0	0.0%	7,113	13,455	-47.13%	0	0	0.0%	58,166	42,631	36.4%
CEU ENERGY	0	-	-	1,502	-		0	-	-	9,413	-	-
CHICAGO ETHANOL SWAP	0	0	0.0%	180	39	361.54%	0	0	0.0%	970	607	59.8%
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	0.00%	-	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

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>Energy Futures</b>												
CRUDE OIL OUTRIGHTS	0	0	0.0%	1,616	157	929.30%	0	0	0.0%	4,710	748	529.7%
CRUDE OIL PHY	0	0	0.0%	21,113,363	16,343,579	29.18%	0	0	0.0%	75,750,732	71,556,674	5.9%
CRUDE OIL SPRDS	0	0	0.0%	1,207	84	1,336.90%	0	0	0.0%	2,921	442	560.9%
CRUDE OIL TRADE AT MARKE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DAILY PJM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY	0	-	-	0	-		0	-	-	0	-	-
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	0.00%	-	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%	17,324	3,401	409.38%	0	0	0.0%	62,295	5,227	1,091.8%
EIA FLAT TAX ONHWAY DIESE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EMMISSIONS	0	0	0.0%	0	1,592	-100.00%	0	0	0.0%	513	7,666	-93.3%
ETHANOL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL T2 FOB ROTT INCL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO 3.5% FUEL OIL RDAM B	0	-	-	0	-		0	-	-	0	-	-
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 RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPEAN GASOIL (ICE)	0	0	0.0%	14,128	60	23,446.67%	0	0	0.0%	21,010	223	9,321.5%
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 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	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>Energy Futures</b>												
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 VS NYM 2 H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST NO.6 FUEL OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CALEND A	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CRACK SP	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
HEATING OIL PHY	0	0	0.0%	3,701,130	2,637,798	40.31%	0	0	0.0%	14,785,714	12,193,172	21.3%
HENRY HUB SWAP	0	0	0.0%	0	1	-100.00%	0	0	0.0%	1	146	-99.3%
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%
INDONESIAN COAL ICI4	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JAPAN C&F NAPHTHA CRACK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN NAPHTHA BALMO SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET CIF NWE VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET FUEL UP-DOWN BALMO C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JKM LNG Futures	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	15	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) 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%	284,878	227,168	25.40%	0	0	0.0%	1,299,066	1,015,969	27.9%
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%	108	362	-70.17%	0	0	0.0%	300	1,116	-73.1%

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<b>Energy Futures</b>												
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	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%	5	8	-37.50%	0	0	0.0%	28	44	-36.4%
MINY NATURAL GAS	0	0	0.0%	138,669	191,853	-27.72%	0	0	0.0%	685,599	1,196,006	-42.7%
MINY RBOB GAS	0	0	0.0%	7	14	-50.00%	0	0	0.0%	24	48	-50.0%
MINY WTI CRUDE OIL	0	0	0.0%	253,258	290,978	-12.96%	0	0	0.0%	914,449	1,302,347	-29.8%
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	0	0.0%
MONT BELVIEU ETHANE OPIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	417	28	1,389.29%	0	0	0.0%	921	111	729.7%
MONT BELVIEU LDH PROPANE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	19	-100.0%
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%	76,355	72,700	5.03%	0	0	0.0%	364,950	256,255	42.4%
NATURAL GAS PEN SWP	0	0	0.0%	240	0	0.00%	0	0	0.0%	240	0	0.0%
NATURAL GAS PHY	0	0	0.0%	9,828,311	7,983,257	23.11%	0	0	0.0%	41,912,483	33,294,028	25.9%
NEPOOL INTR HUB 5MW D AH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEW ENGLAND HUB PEAK DAI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEW YORK ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE G PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB DAILY	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NY1% VS GC SPREAD SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	14	70	-80.00%	0	0	0.0%	66	131	-49.6%
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 ZONE G 5MW D AH PK	-	0	0.0%	-	0	0.00%	-	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%
PETROCHEMICALS	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 APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>Energy Futures</b>												
PETRO CRCKS & SPRDS ASIA	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
PJM DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM WESTH RT OFF-PEAK	-	0	0.0%	-	0	0.00%	-	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%	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%	4,126,972	3,195,554	29.15%	0	0	0.0%	14,533,066	12,720,470	14.2%
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	0.00%	-	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>Energy Futures</b>												
SINGAPORE JET KEROSENE S	-	0	0.0%	-	0	0.00%	-	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%
ULSD UP-DOWN BALMO SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UP DOWN GC ULSD VS NMX H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	16	-100.0%
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%	4	0	0.00%	0	0	0.0%	4	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%
<b>Energy Options</b>												
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%	700	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	254	3,121	-91.86%	0	0	0.0%	1,463	22,056	-93.4%
COAL API2 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL 1MO	0	0	0.0%	800	100	700.00%	0	0	0.0%	4,175	1,475	183.1%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	0	0	0.0%	894	11,766	-92.40%	0	0	0.0%	9,558	33,852	-71.8%
CRUDE OIL PHY	0	0	0.0%	3,640,838	1,819,781	100.07%	0	0	0.0%	11,077,938	7,601,166	45.7%
ELEC FINSETTLED	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	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%	1,134	635	78.58%	0	0	0.0%	3,204	4,790	-33.1%
HENRY HUB FINANCIAL LAST	0	0	0.0%	202	3,909	-94.83%	0	0	0.0%	9,203	14,828	-37.9%
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	150	0	0.0%
LLS CRUDE OIL	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 APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>Energy Options</b>												
MCCLOSKY 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%	6,903	0	0.00%	0	0	0.0%	17,759	0	0.0%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	100	400	-75.00%	0	0	0.0%	16,952	3,254	421.0%
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%	29,900	22,000	35.91%	0	0	0.0%	75,900	22,800	232.9%
NATURAL GAS 5 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 6 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS OPT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS OPTION ON CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	0	0.0%	2,506,842	1,529,263	63.92%	0	0	0.0%	12,341,121	5,006,755	146.5%
NY HARBOR HEAT OIL SWP	0	0	0.0%	37	26	42.31%	0	0	0.0%	164	481	-65.9%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	-	0	0.0%	-	0	0.00%	-	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%	325	971	-66.53%	0	0	0.0%	1,076	2,678	-59.8%
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%	25	1,850	-98.65%	0	0	0.0%	1,400	2,475	-43.4%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	200	-100.0%
<b>FX Futures</b>												
AD/CD CROSS RATES	0	0	0.0%	0	2	-100.00%	0	0	0.0%	7	153	-95.4%
AD/JY CROSS RATES	0	0	0.0%	3,268	1,297	151.97%	0	0	0.0%	7,676	6,798	12.9%
AD/NE CROSS RATES	0	0	0.0%	3,661	2,352	55.65%	0	0	0.0%	12,565	9,687	29.7%
AUSTRALIAN DOLLAR	0	0	0.0%	2,402,905	1,401,214	71.49%	0	0	0.0%	8,711,936	7,592,923	14.7%
BP/JY CROSS RATES	0	0	0.0%	1,748	1,104	58.33%	0	0	0.0%	7,318	11,090	-34.0%
BP/SF CROSS RATES	0	0	0.0%	2,751	2,097	31.19%	0	0	0.0%	11,075	10,839	2.2%
BRAZIL REAL	0	0	0.0%	467,647	208,926	123.83%	0	0	0.0%	1,579,373	1,039,336	52.0%
BRITISH POUND	0	0	0.0%	2,474,928	1,618,082	52.95%	0	0	0.0%	9,075,587	8,179,400	11.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>FX Futures</b>												
CANADIAN DOLLAR	0	0	0.0%	2,097,084	1,347,497	55.63%	0	0	0.0%	7,443,619	6,848,675	8.7%
CD/JY CROSS RATES	0	0	0.0%	162	0	0.00%	0	0	0.0%	323	6	5,283.3%
CHILEAN PESO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	3	-100.0%
CHINESE RENMINBI (CNH)	0	0	0.0%	44,838	11,119	303.26%	0	0	0.0%	231,131	98,724	134.1%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	4	-100.0%
CZECK KORUNA (US)	0	0	0.0%	2	3	-33.33%	0	0	0.0%	23	14	64.3%
EC/AD CROSS RATES	0	0	0.0%	1,131	2,559	-55.80%	0	0	0.0%	10,877	17,372	-37.4%
EC/CD CROSS RATES	0	0	0.0%	1,102	3,588	-69.29%	0	0	0.0%	17,286	23,007	-24.9%
EC/NOK CROSS RATES	0	0	0.0%	1,877	384	388.80%	0	0	0.0%	3,841	4,505	-14.7%
EC/SEK CROSS RATES	0	0	0.0%	618	453	36.42%	0	0	0.0%	3,865	10,190	-62.1%
EFX/BP CROSS RATES	0	0	0.0%	45,369	27,236	66.58%	0	0	0.0%	257,491	209,913	22.7%
EFX/JY CROSS RATES	0	0	0.0%	48,294	23,783	103.06%	0	0	0.0%	246,371	165,083	49.2%
EFX/SF CROSS RATES	0	0	0.0%	22,244	8,739	154.54%	0	0	0.0%	119,244	81,116	47.0%
E-MICRO USD/CAD	0	0	0.0%	0	106	-100.00%	0	0	0.0%	69	700	-90.1%
E-MICRO USD/CHF	0	0	0.0%	0	430	-100.00%	0	0	0.0%	166	935	-82.2%
E-MICRO USD/JPY	0	0	0.0%	0	4,815	-100.00%	0	0	0.0%	4,450	8,739	-49.1%
E-MINI EURO FX	0	0	0.0%	83,243	103,483	-19.56%	0	0	0.0%	391,300	562,019	-30.4%
E-MINI JAPANESE YEN	0	0	0.0%	20,310	7,232	180.84%	0	0	0.0%	66,158	44,122	49.9%
EURO FX	0	0	0.0%	4,625,521	3,385,742	36.62%	0	0	0.0%	19,106,446	18,415,137	3.8%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	11	13	-15.4%
HUNGARIAN FORINT (US)	0	0	0.0%	5	23	-78.26%	0	0	0.0%	14	69	-79.7%
INDIAN RUPEE	0	0	0.0%	24,421	19,592	24.65%	0	0	0.0%	76,632	126,039	-39.2%
JAPANESE YEN	0	0	0.0%	3,712,481	2,793,324	32.91%	0	0	0.0%	14,281,037	12,989,293	9.9%
KOREAN WON	0	0	0.0%	1,526	199	666.83%	0	0	0.0%	6,168	825	647.6%
MEXICAN PESO	0	0	0.0%	1,792,715	903,607	98.40%	0	0	0.0%	6,166,601	5,051,296	22.1%
MICRO AUD/USD	0	0	0.0%	367,962	238,337	54.39%	0	0	0.0%	1,151,818	1,145,761	0.5%
MICRO CAD/USD	0	0	0.0%	73,508	39,550	85.86%	0	0	0.0%	220,548	240,519	-8.3%
MICRO CHF/USD	0	0	0.0%	16,186	9,905	63.41%	0	0	0.0%	59,697	60,392	-1.2%
MICRO EUR/USD	0	0	0.0%	564,499	540,156	4.51%	0	0	0.0%	2,191,932	2,749,615	-20.3%
MICRO GBP/USD	0	0	0.0%	112,064	53,844	108.13%	0	0	0.0%	367,444	284,145	29.3%
MICRO INR/USD	0	0	0.0%	147	430	-65.81%	0	0	0.0%	500	2,322	-78.5%
MICRO JPY/USD	0	0	0.0%	1,525	0	0.00%	0	0	0.0%	2,701	0	0.0%
MICRO USD/CNH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEW ZEALND DOLLAR	0	0	0.0%	663,769	533,400	24.44%	0	0	0.0%	2,721,622	2,410,568	12.9%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>FX Futures</b>												
NKR/USD CROSS RATE	0	0	0.0%	3,717	2,158	72.24%	0	0	0.0%	16,953	11,738	44.4%
POLISH ZLOTY (EC)	0	0	0.0%	5	3	66.67%	0	0	0.0%	162	57	184.2%
POLISH ZLOTY (US)	0	0	0.0%	676	1,046	-35.37%	0	0	0.0%	4,245	3,123	35.9%
RMB USD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5	-100.0%
RUSSIAN RUBLE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
S.AFRICAN RAND	0	0	0.0%	103,031	35,950	186.60%	0	0	0.0%	349,271	242,443	44.1%
SF/JY CROSS RATES	0	0	0.0%	1,377	544	153.13%	0	0	0.0%	3,815	2,301	65.8%
SHEKEL	0	0	0.0%	48	51	-5.88%	0	0	0.0%	250	305	-18.0%
SKR/USD CROSS RATES	0	0	0.0%	6,938	2,977	133.05%	0	0	0.0%	22,157	17,772	24.7%
SWISS FRANC	0	0	0.0%	626,716	393,709	59.18%	0	0	0.0%	2,335,117	1,734,859	34.6%
TURKISH LIRA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
USDZAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	97	-100.0%
<b>FX Options</b>												
AUD/USD MONDAY OPTION W	0	0	0.0%	18	54	-66.67%	0	0	0.0%	472	445	6.1%
AUD/USD MONDAY OPTION W	0	0	0.0%	215	132	62.88%	0	0	0.0%	420	2,054	-79.6%
AUD/USD MONDAY OPTION W	0	0	0.0%	14	137	-89.78%	0	0	0.0%	80	1,007	-92.1%
AUD/USD MONDAY OPTION W	0	0	0.0%	27	140	-80.71%	0	0	0.0%	353	1,082	-67.4%
AUD/USD MONDAY OPTION W	0	0	0.0%	59	0	0.00%	0	0	0.0%	213	315	-32.4%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	65,204	49,607	31.44%	0	0	0.0%	348,115	203,849	70.8%
AUD/USD THURSDAY WKLY O	0	0	0.0%	14	12	16.67%	0	0	0.0%	110	72	52.8%
AUD/USD THURSDAY WKLY O	0	0	0.0%	12	7	71.43%	0	0	0.0%	637	52	1,125.0%
AUD/USD THURSDAY WKLY O	0	0	0.0%	479	50	858.00%	0	0	0.0%	1,200	1,104	8.7%
AUD/USD THURSDAY WKLY O	0	0	0.0%	8	71	-88.73%	0	0	0.0%	49	380	-87.1%
AUD/USD THURSDAY WKLY O	0	0	0.0%	0	0	0.00%	0	0	0.0%	6	11	-45.5%
AUD/USD TUESDAY WKLY OPT	0	0	0.0%	45	50	-10.00%	0	0	0.0%	95	182	-47.8%
AUD/USD TUESDAY WKLY OPT	0	0	0.0%	10	76	-86.84%	0	0	0.0%	306	1,071	-71.4%
AUD/USD TUESDAY WKLY OPT	0	0	0.0%	135	71	90.14%	0	0	0.0%	358	338	5.9%
AUD/USD TUESDAY WKLY OPT	0	0	0.0%	6	132	-95.45%	0	0	0.0%	210	290	-27.6%
AUD/USD TUESDAY WKLY OPT	0	0	0.0%	21	0	0.00%	0	0	0.0%	207	105	97.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,855	0	0.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,463	845	309.82%	0	0	0.0%	4,529	7,003	-35.3%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>FX Options</b>												
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,517	1,077	133.70%	0	0	0.0%	7,973	5,882	35.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,336	2,844	-53.02%	0	0	0.0%	5,096	7,314	-30.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	249	0	0.00%	0	0	0.0%	1,774	949	86.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	585	298	96.31%	0	0	0.0%	840	797	5.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	429	452	-5.09%	0	0	0.0%	631	997	-36.7%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	610	252	142.06%	0	0	0.0%	1,353	1,105	22.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	338	399	-15.29%	0	0	0.0%	1,487	1,220	21.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	34	310	-89.0%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	0	200	-100.00%	0	0	0.0%	2	205	-99.0%
CAD/USD MONDAY OPTIONS	0	0	0.0%	11	1,073	-98.97%	0	0	0.0%	3,443	3,627	-5.1%
CAD/USD MONDAY OPTIONS	0	0	0.0%	413	783	-47.25%	0	0	0.0%	1,967	6,056	-67.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,535	109	1,308.26%	0	0	0.0%	2,183	3,610	-39.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	569	1,105	-48.51%	0	0	0.0%	3,317	3,846	-13.8%
CAD/USD MONDAY OPTIONS	0	0	0.0%	2,491	0	0.00%	0	0	0.0%	3,021	247	1,123.1%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	27,248	27,057	0.71%	0	0	0.0%	106,248	256,197	-58.5%
CAD/USD THURSDAY WKLY O	0	0	0.0%	1,336	0	0.00%	0	0	0.0%	2,644	595	344.4%
CAD/USD THURSDAY WKLY O	0	0	0.0%	1,412	4	35,200.00%	0	0	0.0%	1,995	623	220.2%
CAD/USD THURSDAY WKLY O	0	0	0.0%	340	935	-63.64%	0	0	0.0%	2,418	1,364	77.3%
CAD/USD THURSDAY WKLY O	0	0	0.0%	84	21	300.00%	0	0	0.0%	1,955	1,365	43.2%
CAD/USD THURSDAY WKLY O	0	0	0.0%	0	0	0.00%	0	0	0.0%	634	1,586	-60.0%
CAD/USD TUESDAY WKLY OPT	0	0	0.0%	1	624	-99.84%	0	0	0.0%	469	1,202	-61.0%
CAD/USD TUESDAY WKLY OPT	0	0	0.0%	846	110	669.09%	0	0	0.0%	2,209	3,070	-28.0%
CAD/USD TUESDAY WKLY OPT	0	0	0.0%	131	456	-71.27%	0	0	0.0%	478	1,415	-66.2%
CAD/USD TUESDAY WKLY OPT	0	0	0.0%	148	18	722.22%	0	0	0.0%	1,650	224	636.6%
CAD/USD TUESDAY WKLY OPT	0	0	0.0%	243	0	0.00%	0	0	0.0%	423	76	456.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	12,207	0	0.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,853	1,350	407.63%	0	0	0.0%	9,937	11,011	-9.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,606	1,945	136.81%	0	0	0.0%	12,905	9,382	37.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,447	3,301	95.30%	0	0	0.0%	12,902	13,495	-4.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	382	0	0.00%	0	0	0.0%	9,000	5,073	77.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	3,319	1,372	141.91%	0	0	0.0%	5,450	3,956	37.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	666	853	-21.92%	0	0	0.0%	2,425	3,028	-19.9%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,109	237	789.87%	0	0	0.0%	5,207	4,552	14.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,479	991	49.24%	0	0	0.0%	3,242	6,339	-48.9%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>FX Options</b>												
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,028	889	15.6%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	5,340	5,168	3.33%	0	0	0.0%	24,318	14,105	72.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	421	0	0.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	280	720	-61.11%	0	0	0.0%	1,513	1,534	-1.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	176	614	-71.34%	0	0	0.0%	10,477	1,079	871.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	458	509	-10.02%	0	0	0.0%	6,396	4,804	33.1%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	101	0	0.00%	0	0	0.0%	365	342	6.7%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,762	1,722	2.32%	0	0	0.0%	18,789	8,666	116.8%
EUR/USD MONDAY OPTION W	0	0	0.0%	4,549	866	425.29%	0	0	0.0%	15,023	6,973	115.4%
EUR/USD MONDAY OPTION W	0	0	0.0%	3,327	730	355.75%	0	0	0.0%	9,539	5,480	74.1%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,920	706	171.95%	0	0	0.0%	9,717	7,325	32.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	5,859	0	0.00%	0	0	0.0%	7,411	955	676.0%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	251,556	174,854	43.87%	0	0	0.0%	888,929	918,208	-3.2%
EUR/USD THURSDAY WKLY O	0	0	0.0%	204	661	-69.14%	0	0	0.0%	4,517	1,031	338.1%
EUR/USD THURSDAY WKLY O	0	0	0.0%	617	1,806	-65.84%	0	0	0.0%	1,397	3,749	-62.7%
EUR/USD THURSDAY WKLY O	0	0	0.0%	3,189	95	3,256.84%	0	0	0.0%	4,123	390	957.2%
EUR/USD THURSDAY WKLY O	0	0	0.0%	246	683	-63.98%	0	0	0.0%	1,907	5,318	-64.1%
EUR/USD THURSDAY WKLY O	0	0	0.0%	0	0	0.00%	0	0	0.0%	767	12	6,291.7%
EUR/USD TUESDAY WKLY OPT	0	0	0.0%	133	29	358.62%	0	0	0.0%	2,433	611	298.2%
EUR/USD TUESDAY WKLY OPT	0	0	0.0%	405	16	2,431.25%	0	0	0.0%	1,742	541	222.0%
EUR/USD TUESDAY WKLY OPT	0	0	0.0%	2,464	86	2,765.12%	0	0	0.0%	4,890	2,095	133.4%
EUR/USD TUESDAY WKLY OPT	0	0	0.0%	572	30	1,806.67%	0	0	0.0%	2,644	3,042	-13.1%
EUR/USD TUESDAY WKLY OPT	0	0	0.0%	584	0	0.00%	0	0	0.0%	1,378	128	976.6%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	27,599	0	0.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	40,781	17,051	139.17%	0	0	0.0%	67,548	79,131	-14.6%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	33,445	7,699	334.41%	0	0	0.0%	110,476	86,714	27.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	21,373	10,145	110.68%	0	0	0.0%	79,287	147,789	-46.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	104	0	0.00%	0	0	0.0%	22,226	8,265	168.9%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	5,056	7,211	-29.88%	0	0	0.0%	22,633	18,180	24.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	3,505	5,103	-31.31%	0	0	0.0%	19,570	25,975	-24.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,978	4,256	16.96%	0	0	0.0%	18,868	20,678	-8.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,082	5,816	-29.81%	0	0	0.0%	19,779	18,816	5.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	5,823	6,668	-12.7%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>FX Options</b>												
EVENT CONTRACT EUR/USD	0	0	0.0%	2,198	5,728	-61.63%	0	0	0.0%	9,979	16,517	-39.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	63	346	-81.79%	0	0	0.0%	5,014	3,189	57.2%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,054	821	28.38%	0	0	0.0%	2,956	4,530	-34.7%
GBP/USD MONDAY OPTION W	0	0	0.0%	957	477	100.63%	0	0	0.0%	1,393	2,022	-31.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	267	604	-55.79%	0	0	0.0%	3,449	1,262	173.3%
GBP/USD MONDAY OPTION W	0	0	0.0%	5,376	0	0.00%	0	0	0.0%	6,784	400	1,596.0%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	92,652	45,880	101.94%	0	0	0.0%	259,829	225,257	15.3%
GBP/USD THURSDAY WKLY O	0	0	0.0%	778	400	94.50%	0	0	0.0%	1,629	996	63.6%
GBP/USD THURSDAY WKLY O	0	0	0.0%	110	61	80.33%	0	0	0.0%	373	512	-27.1%
GBP/USD THURSDAY WKLY O	0	0	0.0%	873	912	-4.28%	0	0	0.0%	2,228	1,403	58.8%
GBP/USD THURSDAY WKLY O	0	0	0.0%	418	116	260.34%	0	0	0.0%	498	468	6.4%
GBP/USD THURSDAY WKLY O	0	0	0.0%	0	0	0.00%	0	0	0.0%	40	61	-34.4%
GBP/USD TUESDAY WKLY OPT	0	0	0.0%	20	193	-89.64%	0	0	0.0%	80	785	-89.8%
GBP/USD TUESDAY WKLY OPT	0	0	0.0%	10	954	-98.95%	0	0	0.0%	898	1,518	-40.8%
GBP/USD TUESDAY WKLY OPT	0	0	0.0%	468	2	23,300.00%	0	0	0.0%	628	560	12.1%
GBP/USD TUESDAY WKLY OPT	0	0	0.0%	62	119	-47.90%	0	0	0.0%	107	827	-87.1%
GBP/USD TUESDAY WKLY OPT	0	0	0.0%	107	0	0.00%	0	0	0.0%	134	225	-40.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	5,238	0	0.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,165	5,395	14.27%	0	0	0.0%	10,368	14,520	-28.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	13,490	8,804	53.23%	0	0	0.0%	34,493	16,401	110.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	8,256	1,806	357.14%	0	0	0.0%	24,761	6,162	301.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	409	0	0.00%	0	0	0.0%	15,894	2,641	501.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,048	1,864	9.87%	0	0	0.0%	4,882	3,484	40.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	66	323	-79.57%	0	0	0.0%	1,976	5,456	-63.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	12,059	327	3,587.77%	0	0	0.0%	13,346	4,106	225.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,128	175	544.57%	0	0	0.0%	2,189	2,068	5.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,723	93	1,752.7%
JPY/USD MONDAY OPTION WE	0	0	0.0%	1,645	184	794.02%	0	0	0.0%	10,830	2,332	364.4%
JPY/USD MONDAY OPTION WE	0	0	0.0%	4,379	741	490.96%	0	0	0.0%	7,449	8,303	-10.3%
JPY/USD MONDAY OPTION WE	0	0	0.0%	2,527	54	4,579.63%	0	0	0.0%	4,642	1,733	167.9%
JPY/USD MONDAY OPTION WE	0	0	0.0%	1,785	884	101.92%	0	0	0.0%	3,020	2,384	26.7%
JPY/USD MONDAY OPTION WE	0	0	0.0%	2,156	0	0.00%	0	0	0.0%	2,391	1,047	128.4%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	159,084	58,419	172.32%	0	0	0.0%	491,438	331,996	48.0%
JPY/USD THURSDAY WKLY OP	0	0	0.0%	1,406	3	46,766.67%	0	0	0.0%	7,990	72	10,997.2%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>FX Options</b>												
JPY/USD THURSDAY WKLY OP	0	0	0.0%	54	6	800.00%	0	0	0.0%	938	68	1,279.4%
JPY/USD THURSDAY WKLY OP	0	0	0.0%	85	17	400.00%	0	0	0.0%	2,378	136	1,648.5%
JPY/USD THURSDAY WKLY OP	0	0	0.0%	2,414	27	8,840.74%	0	0	0.0%	4,343	74	5,768.9%
JPY/USD THURSDAY WKLY OP	0	0	0.0%	0	0	0.00%	0	0	0.0%	27	157	-82.8%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	13	20	-35.00%	0	0	0.0%	2,964	49	5,949.0%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	317	216	46.76%	0	0	0.0%	785	2,260	-65.3%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	65	2	3,150.00%	0	0	0.0%	2,884	77	3,645.5%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	238	103	131.07%	0	0	0.0%	2,094	892	134.8%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	1,140	0	0.00%	0	0	0.0%	1,743	5	34,760.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	20,039	0	0.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	21,663	4,809	350.47%	0	0	0.0%	35,029	27,336	28.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	21,512	7,179	199.65%	0	0	0.0%	42,847	31,997	33.9%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	16,734	8,042	108.08%	0	0	0.0%	47,353	23,253	103.6%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	390	0	0.00%	0	0	0.0%	12,036	4,385	174.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	8,724	3,239	169.34%	0	0	0.0%	27,897	10,158	174.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	7,015	2,238	213.45%	0	0	0.0%	15,345	10,406	47.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,931	2,507	96.69%	0	0	0.0%	18,633	14,946	24.7%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	8,782	1,955	349.21%	0	0	0.0%	25,101	9,985	151.4%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,585	1,298	99.2%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	1,808	344	425.58%	0	0	0.0%	5,946	1,138	422.5%
MXN/USD WKLY FRIDAY OPTI	0	-	-	0	-	-	0	-	-	1	-	-
MXN/USD WKLY FRIDAY OPTI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MXN/USD WKLY FRIDAY OPTI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MXN/USD WKLY FRIDAY OPTI	0	-	-	400	-	-	0	-	-	549	-	-
MXN/USD WKLY FRIDAY OPTI	0	-	-	0	-	-	0	-	-	8	-	-
NZD/USD MONTHLY OPTIONS	0	0	0.0%	1	3	-66.67%	0	0	0.0%	203	65	212.3%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	1	-100.00%	0	0	0.0%	0	2	-100.0%
USD/CNH MONTHLY OPTIONS	0	-	-	65	-	-	0	-	-	165	-	-
USD/CNH WEEKLY FRIDAY OP	0	0	0.0%	0	34	-100.00%	0	0	0.0%	0	34	-100.0%
ZAR/USD MONTHLY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	1	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>Ag Products Futures</b>												
BLOCK CHEESE	0	0	0.0%	205	205	0.00%	0	0	0.0%	2,360	1,183	99.5%
BUTTER CS	0	0	0.0%	3,832	2,753	39.19%	0	0	0.0%	18,189	12,768	42.5%
CASH-SETTLED CHEESE	0	0	0.0%	14,937	12,708	17.54%	0	0	0.0%	62,646	47,797	31.1%
CAT EURO SEASONAL STRIP	0	-	-	0	-	-	0	-	-	0	-	-
CATTLE	0	0	0.0%	1,483,853	1,043,966	42.14%	0	0	0.0%	5,404,723	5,139,293	5.2%
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%	3,338,659	2,781,320	20.04%	0	0	0.0%	10,619,429	9,452,810	12.3%
CLASS IV MILK	0	0	0.0%	3,015	356	746.91%	0	0	0.0%	8,944	1,909	368.5%
CORN	0	0	0.0%	9,205,419	6,931,909	32.80%	0	0	0.0%	30,494,701	26,425,596	15.4%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	42	0	0.00%	0	0	0.0%	166	0	0.0%
DOW-UBS COMMOD INDEX	0	0	0.0%	21,417	13,271	61.38%	0	0	0.0%	88,959	119,661	-25.7%
DOW-UBS COMMOD INDEX SW	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DRY WHEY	0	0	0.0%	1,120	1,540	-27.27%	0	0	0.0%	4,858	4,717	3.0%
FEEDER CATTLE	0	0	0.0%	408,770	366,612	11.50%	0	0	0.0%	1,432,688	1,380,557	3.8%
FERTILIZER PRODUCTS	0	0	0.0%	0	2	-100.00%	0	0	0.0%	0	4	-100.0%
GOLDMAN SACHS	0	0	0.0%	1,933	1,821	6.15%	0	0	0.0%	7,538	7,253	3.9%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	23	-100.0%
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%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	0	0	0.0%	1,215,621	779,277	55.99%	0	0	0.0%	4,698,719	3,978,515	18.1%
HOUSING INDEX	0	0	0.0%	10	11	-9.09%	0	0	0.0%	78	64	21.9%
IN DELIVERY EUA	0	-	-	1,470	-	-	0	-	-	3,456	-	-
KC WHEAT	0	0	0.0%	1,781,884	1,038,906	71.52%	0	0	0.0%	5,495,062	3,742,559	46.8%
LUMBER	0	0	0.0%	35,199	13,607	158.68%	0	0	0.0%	93,355	51,889	79.9%
MALAYSIAN PALM SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MILK	0	0	0.0%	50,558	25,393	99.10%	0	0	0.0%	170,377	104,351	63.3%
MINI CORN	0	0	0.0%	27,254	23,096	18.00%	0	0	0.0%	102,812	93,456	10.0%
MINI SOYBEAN	0	0	0.0%	41,195	30,707	34.16%	0	0	0.0%	157,671	145,064	8.7%
MINI WHEAT	0	0	0.0%	23,838	21,987	8.42%	0	0	0.0%	72,391	89,659	-19.3%
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%	4,579	3,813	20.09%	0	0	0.0%	20,418	21,404	-4.6%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>Ag Products Futures</b>												
OATS	0	0	0.0%	23,056	15,367	50.04%	0	0	0.0%	55,027	48,409	13.7%
OTC SP GSCI ER SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	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%	47	1,811	-97.40%	0	0	0.0%	869	5,354	-83.8%
ROUGH RICE	0	0	0.0%	32,981	19,246	71.37%	0	0	0.0%	101,387	69,893	45.1%
SOYBEAN	0	0	0.0%	6,360,215	4,956,573	28.32%	0	0	0.0%	21,310,281	19,018,868	12.0%
SOYBEAN MEAL	0	0	0.0%	3,828,929	2,697,120	41.96%	0	0	0.0%	13,277,325	10,335,299	28.5%
SOYBEAN OIL	0	0	0.0%	4,232,949	2,685,997	57.59%	0	0	0.0%	13,082,339	11,000,800	18.9%
S&P GSCI ENHANCED ER SWA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	10	0	0.0%
WHEAT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	20	-100.0%
<b>Ag Products Options</b>												
AUG-DEC SOYBEAN MEAL CS	0	-	-	0	-		0	-	-	0	-	-
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	600	0	0.00%	0	0	0.0%	1,200	0	0.0%
BLOCK CHEESE	0	0	0.0%	482	199	142.21%	0	0	0.0%	3,058	707	332.5%
BUTTER CS	0	0	0.0%	3,026	1,959	54.47%	0	0	0.0%	15,001	7,246	107.0%
CASH-SETTLED CHEESE	0	0	0.0%	5,760	5,230	10.13%	0	0	0.0%	24,503	19,810	23.7%
CAT EURO SEASONAL STRIP	0	-	-	0	-		0	-	-	0	-	-
CATTLE	0	0	0.0%	594,799	263,854	125.43%	0	0	0.0%	2,044,675	1,062,327	92.5%
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%	691,533	471,520	46.66%	0	0	0.0%	2,322,254	2,284,135	1.7%
CLASS IV MILK	0	0	0.0%	7,743	3,124	147.86%	0	0	0.0%	27,226	23,034	18.2%
CORN	0	0	0.0%	1,999,169	2,040,501	-2.03%	0	0	0.0%	8,977,638	7,473,259	20.1%
CORN NEARBY+2 CAL SPRD	0	0	0.0%	2,575	54,528	-95.28%	0	0	0.0%	6,486	117,375	-94.5%
DEC-DEC CORN CAL SPRD	0	0	0.0%	8,500	400	2,025.00%	0	0	0.0%	8,500	400	2,025.0%
DEC-JUL SOYBEAN MEAL CSO	0	-	-	0	-		0	-	-	0	-	-
DEC-JULY CORN CAL SPRD	0	0	0.0%	3,245	3,945	-17.74%	0	0	0.0%	3,245	4,055	-20.0%
DEC-JULY WHEAT CAL SPRD	0	0	0.0%	0	50	-100.00%	0	0	0.0%	0	270	-100.0%
DRY WHEY	0	0	0.0%	144	10	1,340.00%	0	0	0.0%	1,551	73	2,024.7%
FEEDER CATTLE	0	0	0.0%	89,917	49,329	82.28%	0	0	0.0%	291,790	230,050	26.8%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>Ag Products Options</b>												
FERTILIZER PRODUCTS	0	-	-	0	-		0	-	-	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%	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%	399,614	202,067	97.76%	0	0	0.0%	1,523,847	1,050,361	45.1%
JAN-MAY SOYBEAN CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JULY-DEC CORN CAL SPRD	0	0	0.0%	965	17,386	-94.45%	0	0	0.0%	9,191	44,558	-79.4%
JULY-DEC SOYMEAL CAL SPR	0	0	0.0%	0	970	-100.00%	0	0	0.0%	0	1,760	-100.0%
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	350	-100.00%	0	0	0.0%	1,400	2,060	-32.0%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	770	0	0.0%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	10	-100.0%
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	9,449	12,812	-26.25%	0	0	0.0%	27,247	48,523	-43.8%
KC WHEAT	0	0	0.0%	295,246	75,293	292.13%	0	0	0.0%	548,995	252,034	117.8%
LUMBER	0	0	0.0%	1,371	127	979.53%	0	0	0.0%	3,387	881	284.4%
LV CATL CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	30	-100.0%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	4,957	9,631	-48.5%
MAR-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	30	-100.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,154	0	0.0%
MILK	0	0	0.0%	34,334	17,116	100.60%	0	0	0.0%	98,299	85,935	14.4%
MLK MID OPTIONS	0	0	0.0%	4	1	300.00%	0	0	0.0%	5	12	-58.3%
NFD MILK	0	0	0.0%	2,503	3,108	-19.47%	0	0	0.0%	11,881	14,952	-20.5%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	100	0	0.00%	0	0	0.0%	850	0	0.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	6,070	0	0.00%	0	0	0.0%	6,400	15	42,566.7%
OATS	0	0	0.0%	252	31	712.90%	0	0	0.0%	904	466	94.0%
PACIFIC RIM DAT SS WTHR	0	-	-	0	-		0	-	-	0	-	-
PORK CUTOUT	0	0	0.0%	0	5	-100.00%	0	0	0.0%	0	7	-100.0%
ROUGH RICE	0	0	0.0%	2,659	1,084	145.30%	0	0	0.0%	6,650	7,060	-5.8%
SEP-DEC SOYBEAN MEAL CSC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SOYBEAN	0	0	0.0%	1,615,500	1,362,506	18.57%	0	0	0.0%	7,543,998	5,086,553	48.3%
SOYBEAN CRUSH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5	-100.0%
SOYBEAN MEAL	0	0	0.0%	420,361	299,449	40.38%	0	0	0.0%	1,854,500	1,372,213	35.1%
SOYBEAN OIL	0	0	0.0%	328,923	206,465	59.31%	0	0	0.0%	1,131,145	963,427	17.4%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	56	479	-88.31%	0	0	0.0%	6,797	8,460	-19.7%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>Ag Products Options</b>												
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	955	2,230	-57.2%
SOY OIL NEARBY+2 CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	5,075	175	2,800.0%
WHEAT	0	0	0.0%	5,434	2,745	97.96%	0	0	0.0%	13,145	8,817	49.1%
WHEAT-CORN ICSCO	0	0	0.0%	300	0	0.00%	0	0	0.0%	540	205	163.4%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	1,945	120	1,520.83%	0	0	0.0%	21,236	3,585	492.4%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	499,847	412,901	21.1%	206,871,928	122,365,331	69.1%	2,196,544	3,882,733	-43.4%	826,078,930	758,464,548	8.9%
Equity Index Futures	0	0	0.0%	125,772,755	86,123,698	46.0%	0	0	0.0%	435,832,442	452,752,889	-3.7%
Metals Futures	0	0	0.0%	18,531,080	9,971,191	85.8%	0	0	0.0%	53,291,902	44,089,555	20.9%
Energy Futures	0	0	0.0%	41,380,006	31,961,219	29.5%	0	0	0.0%	156,141,774	138,089,673	13.1%
FX Futures	0	0	0.0%	20,422,019	13,731,048	48.7%	0	0	0.0%	77,286,892	70,414,047	9.8%
Ag Products Futures	0	0	0.0%	32,142,987	23,469,374	37.0%	0	0	0.0%	106,786,778	91,299,175	17.0%
<b>TOTAL FUTURES</b>	<b>499,847</b>	<b>412,901</b>	<b>21.1%</b>	<b>445,120,775</b>	<b>287,621,861</b>	<b>54.8%</b>	<b>2,196,544</b>	<b>3,882,733</b>	<b>-43.4%</b>	<b>1,655,418,718</b>	<b>1,555,109,887</b>	<b>6.5%</b>
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	0	0	0.0%	38,486,789	19,378,699	98.6%	0	0	0.0%	135,026,613	97,737,869	38.2%
Interest Rate Options	20,876,061	19,468,449	7.2%	40,213,622	26,245,602	53.2%	100,478,929	116,628,996	-13.8%	152,033,484	147,789,772	2.9%
Metals Options	0	0	0.0%	3,072,826	1,360,261	125.9%	0	0	0.0%	7,978,382	6,172,742	29.3%
Energy Options	0	0	0.0%	6,188,254	3,393,822	82.3%	0	0	0.0%	23,560,763	12,716,810	85.3%
FX Options	0	0	0.0%	953,896	512,160	86.2%	0	0	0.0%	3,210,810	2,781,622	15.4%
Ag Products Options	0	0	0.0%	6,532,579	5,096,763	28.2%	0	0	0.0%	26,550,455	20,186,736	31.5%
<b>TOTAL OPTIONS</b>	<b>20,876,061</b>	<b>19,468,449</b>	<b>7.2%</b>	<b>95,447,966</b>	<b>55,987,307</b>	<b>70.5%</b>	<b>100,478,929</b>	<b>116,628,996</b>	<b>-13.8%</b>	<b>348,360,507</b>	<b>287,385,551</b>	<b>21.2%</b>

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2024	Open Outcry APR 2023	% CHG	ELEC APR 2024	ELEC APR 2023	% CHG	Open Outcry Y.T.D 2024	Open Outcry Y.T.D 2023	% CHG	ELEC Y.T.D 2024	ELEC Y.T.D 2023	% CHG
<b>TOTAL COMBINED</b>												
Interest Rate	21,375,908	19,881,350	7.5%	247,085,550	148,610,933	66.3%	102,675,473	120,511,729	-14.8%	978,112,414	906,254,320	7.9%
Equity Index	0	0	0.0%	164,259,544	105,502,397	55.7%	0	0	0.0%	570,859,055	550,490,758	3.7%
Metals	0	0	0.0%	21,603,906	11,331,452	90.7%	0	0	0.0%	61,270,284	50,262,297	21.9%
Energy	0	0	0.0%	47,568,260	35,355,041	34.5%	0	0	0.0%	179,702,537	150,806,483	19.2%
FX	0	0	0.0%	21,375,915	14,243,208	50.1%	0	0	0.0%	80,497,702	73,195,669	10.0%
Ag Products	0	0	0.0%	38,675,566	28,566,137	35.4%	0	0	0.0%	133,337,233	111,485,911	19.6%
<b>GRAND TOTAL</b>	<b>21,375,908</b>	<b>19,881,350</b>	<b>7.5%</b>	<b>540,568,741</b>	<b>343,609,168</b>	<b>57.3%</b>	<b>102,675,473</b>	<b>120,511,729</b>	<b>-14.8%</b>	<b>2,003,779,225</b>	<b>1,842,495,438</b>	<b>8.8%</b>

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