



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2022	Open Outcry MAY 2021	% CHG	ELEC MAY 2022	ELEC MAY 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Interest Rate Futures												
10-YR Eris LIBOR	0	0	0.0%	2,705	940	187.77%	0	0	0.0%	21,171	8,727	142.6%
10-YR Eris SOFR	0	0	0.0%	0	30	-100.00%	0	0	0.0%	100	90	11.1%
10-YR MAC LIBOR	0	0	0.0%	7,626	32,735	-76.70%	0	0	0.0%	95,744	291,285	-67.1%
10-YR NOTE	0	0	0.0%	46,613,275	46,900,995	-0.61%	0	0	0.0%	207,440,158	207,601,729	-0.1%
10Y YIELD	0	-	-	62,443	-	-	0	-	-	534,292	-	-
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%	170	0	0.00%	0	0	0.0%	227	0	0.0%
1-YR Eris BSBY	0	-	-	400	-	-	0	-	-	700	-	-
1-YR Eris SOFR	0	0	0.0%	13,571	74,550	-81.80%	0	0	0.0%	149,939	380,918	-60.6%
20-YR BOND	0	-	-	4,199	-	-	0	-	-	17,886	-	-
20-YR SWAP RATE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
2-YR Eris LIBOR	0	0	0.0%	8,063	1,391	479.65%	0	0	0.0%	51,894	4,796	982.0%
2-YR Eris SOFR	0	0	0.0%	8,518	3,772	125.82%	0	0	0.0%	66,071	13,638	384.5%
2-YR NOTE	0	0	0.0%	19,260,262	13,124,919	46.75%	0	0	0.0%	71,011,808	45,632,198	55.6%
2Y YIELD	0	-	-	7,153	-	-	0	-	-	39,002	-	-
30-YR BOND	0	0	0.0%	10,697,232	11,515,482	-7.11%	0	0	0.0%	43,668,225	50,659,625	-13.8%
30-YR Eris LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	185	0	0.0%
30-YR SWAP RATE	0	-	-	0	-	-	0	-	-	304	-	-
30Y YIELD	0	-	-	14,667	-	-	0	-	-	57,904	-	-
3-YR Eris BSBY	0	-	-	0	-	-	0	-	-	4	-	-
3-YR Eris LIBOR	0	0	0.0%	2,130	1,375	54.91%	0	0	0.0%	39,319	8,642	355.0%
3-YR Eris SOFR	0	0	0.0%	2,737	570	380.18%	0	0	0.0%	17,523	4,983	251.7%
3-YR NOTE	0	0	0.0%	319,488	180,496	77.01%	0	0	0.0%	1,698,043	869,404	95.3%
4-YR Eris LIBOR	0	0	0.0%	1,734	1,528	13.48%	0	0	0.0%	22,254	5,234	325.2%
4-YR Eris SOFR	0	0	0.0%	601	130	362.31%	0	0	0.0%	3,101	2,010	54.3%
5-YR Eris LIBOR	0	0	0.0%	10,727	11,445	-6.27%	0	0	0.0%	122,091	120,984	0.9%
5-YR Eris SOFR	0	0	0.0%	3,821	120	3,084.17%	0	0	0.0%	11,588	1,325	774.6%
5-YR MAC LIBOR	0	0	0.0%	15,910	27,124	-41.34%	0	0	0.0%	145,569	251,643	-42.2%
5-YR NOTE	0	0	0.0%	36,080,590	29,356,649	22.90%	0	0	0.0%	144,865,300	120,536,005	20.2%
5Y YIELD	0	-	-	1,394	-	-	0	-	-	11,955	-	-
7-YR Eris LIBOR	0	0	0.0%	2,113	2,435	-13.22%	0	0	0.0%	14,429	11,700	23.3%
7-YR Eris SOFR	0	-	-	150	-	-	0	-	-	150	-	-
BSBY 3-MONTH FUTURES	0	-	-	59,866	-	-	0	-	-	422,570	-	-

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Interest Rate Futures												
EURODOLLARS	318,838	324,122	-1.6%	30,472,977	40,315,125	-24.41%	3,474,839	2,037,375	70.6%	228,570,994	239,473,585	-4.6%
FED FUND	0	0	0.0%	5,362,936	1,588,722	237.56%	0	0	0.0%	36,095,118	9,297,330	288.2%
SOFR	17,887	0	0.0%	30,820,084	2,283,266	1,249.82%	68,587	0	0.0%	132,644,567	11,221,046	1,082.1%
SONIA	0	0	0.0%	0	87,840	-100.00%	0	0	0.0%	1,046	642,219	-99.8%
TIIE	0	0	0.0%	23	50	-54.00%	0	0	0.0%	466	50	832.0%
Ultra 10-Year Note	0	0	0.0%	9,795,042	9,844,419	-0.50%	0	0	0.0%	43,001,738	38,884,447	10.6%
ULTRA T-BOND	0	0	0.0%	7,341,717	6,476,151	13.37%	0	0	0.0%	25,248,502	24,535,562	2.9%
Interest Rate Options												
10-YR NOTE	0	0	0.0%	12,161,947	13,967,762	-12.93%	0	0	0.0%	67,523,128	69,644,278	-3.0%
2-YR NOTE	0	0	0.0%	18,178	2,416	652.40%	0	0	0.0%	110,010	69,317	58.7%
30-YR BOND	0	0	0.0%	2,696,988	2,095,967	28.68%	0	0	0.0%	12,713,435	13,752,716	-7.6%
5-YR NOTE	0	0	0.0%	4,330,371	2,514,220	72.24%	0	0	0.0%	26,160,719	15,452,168	69.3%
EURODOLLARS	6,918,416	2,607,200	165.4%	2,655,028	1,396,962	90.06%	49,756,298	13,897,621	258.0%	19,961,303	7,185,212	177.8%
EURO MIDCURVE	4,275,541	9,705,825	-55.9%	2,213,365	4,197,137	-47.26%	31,998,044	50,713,552	-36.9%	16,190,922	26,302,195	-38.4%
FED FUND	0	0	0.0%	0	0	0.00%	0	0	0.0%	42	0	0.0%
SOFR	2,017,626	1,100	183,320.5%	525,919	500	#####	3,561,092	3,100	114,773.9%	756,908	1,230	61,437.2%
SOFR MIDCURVE	549,852	0	0.0%	90,411	0	0.00%	1,669,393	0	0.0%	362,485	50	724,870.0%
Ultra 10-Year Note	0	0	0.0%	193	0	0.00%	0	0	0.0%	741	0	0.0%
ULTRA T-BOND	0	0	0.0%	2,165	517	318.76%	0	0	0.0%	15,839	2,674	492.3%
Equity Index Futures												
BITCOIN	0	0	0.0%	240,374	231,280	3.93%	0	0	0.0%	899,427	1,247,468	-27.9%
DJ US REAL ESTATE	0	0	0.0%	28,892	19,688	46.75%	0	0	0.0%	165,526	150,113	10.3%
E-mini (\$5) Dow	0	0	0.0%	4,265,315	3,433,289	24.23%	0	0	0.0%	22,879,833	18,788,747	21.8%
E-MINI COM SERVICES SELEC	0	0	0.0%	3,368	2,410	39.75%	0	0	0.0%	15,482	13,141	17.8%
E-mini FTSE China 50	0	0	0.0%	417	0	0.00%	0	0	0.0%	6,087	0	0.0%
E-MINI MIDCAP	0	0	0.0%	275,047	211,311	30.16%	0	0	0.0%	1,677,588	1,211,688	38.5%
E-MINI NASDAQ 100	0	0	0.0%	15,645,484	10,501,741	48.98%	0	0	0.0%	73,695,661	57,749,944	27.6%

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Equity Index Futures												
E-MINI RUSSELL 1000	0	0	0.0%	2,510	3,808	-34.09%	0	0	0.0%	15,469	15,311	1.0%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	2,943	1,132	159.98%	0	0	0.0%	26,479	12,008	120.5%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	4,533	3,235	40.12%	0	0	0.0%	33,835	40,612	-16.7%
E-MINI RUSSELL 2000	0	0	0.0%	4,925,297	3,498,342	40.79%	0	0	0.0%	25,239,084	20,307,678	24.3%
E-MINI S&P500	0	0	0.0%	42,178,038	32,374,658	30.28%	0	0	0.0%	194,450,907	171,346,027	13.5%
E-MINI S&P500 ESG	0	0	0.0%	11,906	11,824	0.69%	0	0	0.0%	139,497	68,300	104.2%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,449	2,789	-12.19%	0	0	0.0%	18,005	15,841	13.7%
ETHER FUTURES	0	0	0.0%	136,058	117,817	15.48%	0	0	0.0%	540,329	197,017	174.3%
FT-SE 100	0	0	0.0%	245	4	6,025.00%	0	0	0.0%	1,137	8	14,112.5%
FTSE Emerging	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5	-100.0%
IBOVESPA INDEX	0	0	0.0%	54	88	-38.64%	0	0	0.0%	340	1,043	-67.4%
MICRO BITCOIN	0	0	0.0%	473,453	605,921	-21.86%	0	0	0.0%	2,002,604	605,921	230.5%
MICRO E-MINI NASDAQ 100	0	0	0.0%	36,898,456	20,783,449	77.54%	0	0	0.0%	162,683,834	105,899,406	53.6%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	3,759,964	2,939,895	27.89%	0	0	0.0%	16,863,431	17,134,486	-1.6%
MICRO E-MINI S&P500	0	0	0.0%	32,902,509	18,620,138	76.70%	0	0	0.0%	141,190,858	99,347,226	42.1%
MICRO ETHER	0	-	-	546,231	-	-	0	-	-	2,122,115	-	-
MICRO MINI \$5 DOW	0	0	0.0%	4,583,217	2,432,864	88.39%	0	0	0.0%	22,305,451	14,089,462	58.3%
NASDAQ-100 VOLATILITY	0	0	0.0%	2,791	22	12,586.36%	0	0	0.0%	16,936	32	52,825.0%
NASDAQ BIOTECH	0	0	0.0%	53	438	-87.90%	0	0	0.0%	631	2,724	-76.8%
Nearby BTIC+	0	0	0.0%	250	0	0.00%	0	0	0.0%	2,600	104	2,400.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	114,518	101,536	12.79%	0	0	0.0%	633,260	646,542	-2.1%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	750,606	587,269	27.81%	0	0	0.0%	4,167,581	3,233,213	28.9%
S&P 500	0	0	0.0%	1,336	1,825	-26.79%	0	0	0.0%	1,746	11,379	-84.7%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	41,694	17,364	140.12%	0	0	0.0%	160,602	73,327	119.0%
S&P 500/GI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	2,344	60	3,806.67%	0	0	0.0%	3,271	507	545.2%
S&P 600 SMALLCAP EMINI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
S&P CONSUMER DSCRTRY S	0	0	0.0%	4,060	7,346	-44.73%	0	0	0.0%	34,487	55,209	-37.5%
S&P CONSUMER STAPLES SE	0	0	0.0%	18,211	8,631	111.00%	0	0	0.0%	73,459	71,366	2.9%
S&P ENERGY SECTOR	0	0	0.0%	34,025	20,877	62.98%	0	0	0.0%	198,625	135,844	46.2%
S&P FINANCIAL SECTOR	0	0	0.0%	21,823	17,234	26.63%	0	0	0.0%	117,122	153,718	-23.8%
S&P HEALTH CARE SECTOR	0	0	0.0%	20,110	9,490	111.91%	0	0	0.0%	92,124	63,852	44.3%
S&P INDUSTRIAL SECTOR	0	0	0.0%	11,867	6,684	77.54%	0	0	0.0%	64,332	43,530	47.8%
S&P MATERIALS SECTOR	0	0	0.0%	8,503	5,388	57.81%	0	0	0.0%	36,415	40,056	-9.1%

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Equity Index Futures												
S&P TECHNOLOGY SECTOR	0	0	0.0%	15,059	7,934	89.80%	0	0	0.0%	97,042	54,843	76.9%
S&P UTILITIES SECTOR	0	0	0.0%	17,127	11,684	46.59%	0	0	0.0%	85,243	68,980	23.6%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WATER INDEX FUTURES	0	0	0.0%	66	68	-2.94%	0	0	0.0%	546	736	-25.8%
YEN DENOMINATED TOPIX	0	0	0.0%	100	964	-89.63%	0	0	0.0%	15,268	6,803	124.4%
Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	2,457	1,153	113.10%	0	0	0.0%	6,501	6,348	2.4%
E-mini (\$5) Dow	0	0	0.0%	1,900	1,808	5.09%	0	0	0.0%	11,604	8,163	42.2%
E-MINI NASDAQ 100	0	0	0.0%	1,513,168	583,656	159.26%	0	0	0.0%	4,917,421	2,590,906	89.8%
E-mini Russell 2000	0	0	0.0%	108,897	70,128	55.28%	0	0	0.0%	618,773	406,990	52.0%
E-MINI RUSSELL 2000	0	0	0.0%	44,473	28,784	54.51%	0	0	0.0%	177,528	151,711	17.0%
E-mini S&P 500	0	0	0.0%	11,555,833	7,127,459	62.13%	0	0	0.0%	58,007,346	32,738,056	77.2%
E-MINI S&P500	0	0	0.0%	11,527,897	6,440,219	79.00%	0	0	0.0%	50,476,803	28,336,594	78.1%
EOM S&P 500	0	0	0.0%	0	40	-100.00%	0	0	0.0%	0	1,340	-100.0%
MICRO BITCOIN	0	-	-	8,534	-		0	-	-	12,207	-	-
Micro E-mini Nasdaq-100	0	0	0.0%	46,026	43,105	6.78%	0	0	0.0%	259,688	116,613	122.7%
MICRO E-MINI NASDAQ 100	0	0	0.0%	13,100	8,332	57.23%	0	0	0.0%	66,657	22,117	201.4%
Micro E-mini S&P 500	0	0	0.0%	228,475	160,451	42.40%	0	0	0.0%	1,250,871	679,956	84.0%
MICRO ETHER	0	-	-	6,554	-		0	-	-	9,224	-	-
S&P 500	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	200	-100.0%

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Metals Futures												
ALUMINUM	0	0	0.0%	35,046	14,421	143.02%	0	0	0.0%	88,283	38,459	129.6%
COBALT METAL FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	11	12	-8.3%
COMEX COPPER	0	0	0.0%	1,337,849	2,182,428	-38.70%	0	0	0.0%	8,301,518	11,636,959	-28.7%
COMEX E-Mini GOLD	0	0	0.0%	34,446	20,363	69.16%	0	0	0.0%	161,148	118,246	36.3%
COMEX E-Mini SILVER	0	0	0.0%	3,709	5,330	-30.41%	0	0	0.0%	20,852	39,310	-47.0%
COMEX GOLD	0	0	0.0%	4,810,571	6,178,660	-22.14%	0	0	0.0%	24,054,631	26,320,789	-8.6%
COMEX MINY COPPER	0	0	0.0%	3,014	4,900	-38.49%	0	0	0.0%	18,153	19,374	-6.3%
COMEX SILVER	0	0	0.0%	1,182,851	1,484,756	-20.33%	0	0	0.0%	6,894,511	9,328,148	-26.1%
COPPER	0	0	0.0%	42,917	0	0.00%	0	0	0.0%	42,917	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	343	620	-44.68%	0	0	0.0%	2,713	4,555	-40.4%
GOLD	0	0	0.0%	718	3,150	-77.21%	0	0	0.0%	49,962	19,271	159.3%
HOT ROLLED COIL STEEL FUT	0	0	0.0%	763	117	552.14%	0	0	0.0%	3,337	813	310.5%
IRON ORE 62 CHINA TSI FUTU	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IRON ORE CHINA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	4	-100.0%
METALS	0	0	0.0%	24	0	0.00%	0	0	0.0%	51	0	0.0%
MICRO GOLD	0	0	0.0%	988,435	1,185,691	-16.64%	0	0	0.0%	5,964,365	6,526,145	-8.6%
NYMEX HOT ROLLED STEEL	0	0	0.0%	3,963	3,666	8.10%	0	0	0.0%	24,184	25,624	-5.6%
NYMEX PLATINUM	0	0	0.0%	330,849	293,008	12.91%	0	0	0.0%	1,970,883	1,703,917	15.7%
PALLADIUM	0	0	0.0%	51,282	62,862	-18.42%	0	0	0.0%	249,637	240,653	3.7%
SILVER	0	0	0.0%	165,072	201,252	-17.98%	0	0	0.0%	883,848	1,240,418	-28.7%
URANIUM	0	0	0.0%	0	460	-100.00%	0	0	0.0%	24	460	-94.8%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2022	Open Outcry MAY 2021	% CHG	ELEC MAY 2022	ELEC MAY 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Metals Options												
ALUMINUM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COMEX COPPER	0	0	0.0%	57,469	52,828	8.79%	0	0	0.0%	276,104	195,292	41.4%
COMEX GOLD	0	0	0.0%	762,803	575,283	32.60%	0	0	0.0%	4,014,010	3,110,962	29.0%
COMEX SILVER	0	0	0.0%	122,101	126,227	-3.27%	0	0	0.0%	532,449	795,186	-33.0%
COPPER	0	0	0.0%	665	23	2,791.30%	0	0	0.0%	2,371	90	2,534.4%
GOLD	0	0	0.0%	180,490	164,372	9.81%	0	0	0.0%	1,030,277	795,777	29.5%
HOT ROLLED COIL STEEL CAL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HOT ROLLED COIL STEEL PUT	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA TSI CALL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA TSI PUT O	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IRON ORE CHINA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX HOT ROLLED STEEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX PLATINUM	0	0	0.0%	695	467	48.82%	0	0	0.0%	2,908	2,458	18.3%
PALLADIUM	0	0	0.0%	7	146	-95.21%	0	0	0.0%	97	594	-83.7%
SILVER	0	0	0.0%	15,443	8,399	83.87%	0	0	0.0%	91,578	38,101	140.4%
Energy Futures												
3.5% FUEL OIL CID MED SWA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
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%
AUSTRIALIAN COKE COAL	-	0	0.0%	-	0	0.00%	-	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%	1,188,940	1,596,336	-25.52%	0	0	0.0%	7,977,078	10,588,253	-24.7%
CAR VINTAGE	0	0	0.0%	5,176	37	13,889.19%	0	0	0.0%	18,635	161	11,474.5%
CHICAGO ETHANOL SWAP	0	0	0.0%	13	127	-89.76%	0	0	0.0%	905	752	20.3%
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%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Futures												
CIG BASIS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CIN HUB 5MW D AH PK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CIN HUB 5MW REAL TIME O P	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CIN HUB 5MW REAL TIME PK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
COLUMB GULF MAINLINE NG B	-	0	0.0%	-	0	0.00%	-	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	24	-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%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	0	0	0.0%	15,841,121	18,718,523	-15.37%	0	0	0.0%	106,515,593	102,997,925	3.4%
CRUDE OIL SPRDS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL TRADE AT MARKE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DAILY PJM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY	-	0	0.0%	-	0	0.00%	-	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	0	0.00%	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL BALMO	-	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%	487	61,004	-99.20%	0	0	0.0%	10,640	265,551	-96.0%
EAST/WEST FUEL OIL SPREAD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EIA FLAT TAX ONHWAY DIESE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC FINSETTLED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EMMISSIONS	0	-	-	842	-	-	0	-	-	2,053	-	-
ETHANOL	0	0	0.0%	0	84	-100.00%	0	0	0.0%	0	228	-100.0%
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 3.5% FUEL OIL SPREAD	-	0	0.0%	-	0	0.00%	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2022	Open Outcry MAY 2021	% CHG	ELEC MAY 2022	ELEC MAY 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Energy Futures												
EUROPE 1% FUEL OIL RDAM C	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EUROPE 3.5% FUEL OIL MED	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%	664	98	577.55%	0	0	0.0%	1,496	244	513.1%
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	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%
FUEL OIL (PLATS) CAR CM	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
FUELOIL SWAP:CARGOES VS.	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 ROTTERDAM BAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 10PPM VS ICE SWAP	-	0	0.0%	-	0	0.00%	-	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	48	-100.0%
GROUP THREE UNLEAD GAS (-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GRP THREE ULSD(PLT)VS HEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GRP THREE UNL GS (PLT) VS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST 3% FUEL OIL BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST JET FUEL CLNDF	0	0	0.0%	0	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	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%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Futures												
HEATING OIL BALMO CLNDR S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRCK SPRD BAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	0	0	0.0%	2,856,768	2,694,782	6.01%	0	0	0.0%	17,001,208	14,805,600	14.8%
HENRY HUB BASIS SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HENRY HUB FINANCIAL LAST	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HENRY HUB INDEX SWAP FUT	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HENRY HUB SWAP	0	0	0.0%	2	0	0.00%	0	0	0.0%	1,238	31	3,893.5%
HOUSTON SHIP CHANNEL BAS	0	0	0.0%	0	0	0.00%	0	0	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	0	0.00%	0	0	0.0%	0	0	0.0%
INDIANA MISO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
INDONESIAN COAL ICI4	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN NAPHTHA BALMO SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET CIF NWE VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET FUEL UP-DOWN BALMO C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JKM LNG Futures	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARBOB GASOLINE(OPIS)S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA JET (OPIS) SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LLS (ARGUS) CALENDAR SWA	0	0	0.0%	0	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%
LOS ANGELES CARB GASOLIN	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
LTD NAT GAS	0	0	0.0%	249,143	192,452	29.46%	0	0	0.0%	1,282,911	997,318	28.6%
MARS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MARS BLEND CRUDE OIL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	660	1,772	-62.75%	0	0	0.0%	4,084	14,163	-71.2%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	51	-100.00%	0	0	0.0%	0	81	-100.0%
MGN1 SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MICHIGAN BASIS	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Futures												
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	5	0.00%	0	0	0.0%	38	33	15.2%
MINY NATURAL GAS	0	0	0.0%	432,558	63,513	581.05%	0	0	0.0%	1,537,054	541,736	183.7%
MINY RBOB GAS	0	0	0.0%	8	8	0.00%	0	0	0.0%	46	44	4.5%
MINY WTI CRUDE OIL	0	0	0.0%	513,591	398,757	28.80%	0	0	0.0%	3,235,117	1,992,754	62.3%
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%	90	25	260.00%	0	0	0.0%	235	140	67.9%
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%	41	21	95.24%	0	0	0.0%	99	57	73.7%
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	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	46,701	31,145	49.95%	0	0	0.0%	249,276	189,557	31.5%
NATURAL GAS PEN SWP	0	0	0.0%	0	40	-100.00%	0	0	0.0%	0	88	-100.0%
NATURAL GAS PHY	0	0	0.0%	6,572,965	5,821,007	12.92%	0	0	0.0%	38,592,503	37,689,891	2.4%
NEPOOL INTR HUB 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL NE MASS 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	0	0.00%	0	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE G PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NGPL TEX/OK	-	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%
NO 2 UP-DOWN SPREAD CALE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NORTHWEST ROCKIES BASIS	-	0	0.0%	-	0	0.00%	-	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	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	11	0	0.00%	0	0	0.0%	26	16	62.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2022	Open Outcry MAY 2021	% CHG	ELEC MAY 2022	ELEC MAY 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Energy Futures												
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	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	-	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	0	0.00%	0	0	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%
NYISO ZONE J 5MW D AH O P	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO ZONE J 5MW D AH PK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYMEX ALUMINUM FUTURES	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYMEX ULSD VS NYMEX HO	-	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%
PANHANDLE BASIS SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	-	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 DAYTON DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM DAYTON DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM MONTHLY	-	0	0.0%	-	0	0.00%	-	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 PECO ZONE5MW PEAK C	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM PSEG DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM PSEG DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM WESTH DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM WESTHDA PEAK	-	0	0.0%	-	0	0.00%	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2022	Open Outcry MAY 2021	% CHG	ELEC MAY 2022	ELEC MAY 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Energy Futures												
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 GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLNC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	3,837,729	3,767,645	1.86%	0	0	0.0%	18,664,226	19,198,921	-2.8%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SAN JUAN BASIS SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SINGAPORE 180CST BALMO	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
SINGAPORE FUEL OIL 180 CS	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 BALMO	-	0	0.0%	-	0	0.00%	-	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%
Sumas Basis Swap	-	0	0.0%	-	0	0.00%	-	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%
TCO BASIS SWAP	-	0	0.0%	-	0	0.00%	-	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	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE4 BASIS SWAP	-	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 MAY 2022	Open Outcry MAY 2021	% CHG	ELEC MAY 2022	ELEC MAY 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Energy Futures												
UK NBP NAT GAS CAL MTH FU	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2,485	-100.0%
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	0	0.0%
WAHA BASIS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
WTI-BRENT BULLET SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	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%
Energy Options												
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CRUDE OIL 1 M CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	2,785	2,949	-5.56%	0	0	0.0%	8,197	17,944	-54.3%
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	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL 1MO	0	0	0.0%	6,470	2,200	194.09%	0	0	0.0%	28,721	42,180	-31.9%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL CALNDR STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	0	0	0.0%	1,664,644	1,549,500	7.43%	0	0	0.0%	11,313,673	8,840,119	28.0%
ELEC FINSETTLED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	0	-	-	0	-	-	0	-	-	0	-	-
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%	1,735	1,630	6.44%	0	0	0.0%	14,173	7,885	79.7%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0.00%	0	0	0.0%	66	40	65.0%
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%
MCCLOSKEY RCH BAY COAL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NATURAL GAS	0	-	-	137	-	-	0	-	-	3,454	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2022	Open Outcry MAY 2021	% CHG	ELEC MAY 2022	ELEC MAY 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Energy Options												
NATURAL GAS 1 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	4,900	4,250	15.3%
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%	400	100	300.00%	0	0	0.0%	400	100	300.0%
NATURAL GAS 5 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 6 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS OPT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS OPTION ON CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	0	0.0%	892,353	906,231	-1.53%	0	0	0.0%	5,336,431	5,677,593	-6.0%
NATURAL GAS SUMMER STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS WINTER STRIP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
N ROCKIES PIPE SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	209	97	115.46%	0	0	0.0%	449	385	16.6%
PETROCHEMICALS	0	0	0.0%	6	15	-60.00%	0	0	0.0%	11	44	-75.0%
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 WES HUB PEAK CAL MTH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50M	0	0	0.0%	0	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%	635	2,307	-72.48%	0	0	0.0%	5,483	11,291	-51.4%
SAN JUAN PIPE SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SHORT TERM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	651	200	225.50%	0	0	0.0%	3,601	6,100	-41.0%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0.00%	0	0	0.0%	271	900	-69.9%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	68	84	-19.05%	0	0	0.0%	204	128	59.4%
AD/JY CROSS RATES	0	0	0.0%	5,043	1,715	194.05%	0	0	0.0%	28,058	10,627	164.0%
AD/NE CROSS RATES	0	0	0.0%	1,694	117	1,347.86%	0	0	0.0%	8,524	791	977.6%
AUSTRALIAN DOLLAR	0	0	0.0%	2,193,548	1,742,671	25.87%	0	0	0.0%	9,807,919	10,531,487	-6.9%
BP/JY CROSS RATES	0	0	0.0%	3,203	1,986	61.28%	0	0	0.0%	17,289	10,700	61.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2022	Open Outcry MAY 2021	% CHG	ELEC MAY 2022	ELEC MAY 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
FX Futures												
BP/SF CROSS RATES	0	0	0.0%	1,602	321	399.07%	0	0	0.0%	10,227	2,684	281.0%
BRAZIL REAL	0	0	0.0%	314,884	221,796	41.97%	0	0	0.0%	1,474,480	1,093,906	34.8%
BRITISH POUND	0	0	0.0%	2,170,093	1,785,172	21.56%	0	0	0.0%	11,007,368	9,192,681	19.7%
CANADIAN DOLLAR	0	0	0.0%	1,720,804	1,423,367	20.90%	0	0	0.0%	8,326,735	7,889,139	5.5%
CD/JY CROSS RATES	0	0	0.0%	6	8	-25.00%	0	0	0.0%	251	552	-54.5%
CHINESE RENMINBI (CNH)	0	0	0.0%	40,264	17,103	135.42%	0	0	0.0%	129,678	75,929	70.8%
CZECK KORUNA (EC)	0	0	0.0%	3	0	0.00%	0	0	0.0%	16	2	700.0%
CZECK KORUNA (US)	0	0	0.0%	4	0	0.00%	0	0	0.0%	15	3	400.0%
EC/AD CROSS RATES	0	0	0.0%	4,307	2,313	86.21%	0	0	0.0%	24,527	20,331	20.6%
EC/CD CROSS RATES	0	0	0.0%	3,052	3,419	-10.73%	0	0	0.0%	34,233	27,977	22.4%
EC/NOK CROSS RATES	0	0	0.0%	1,591	174	814.37%	0	0	0.0%	6,162	2,529	143.7%
EC/SEK CROSS RATES	0	0	0.0%	588	321	83.18%	0	0	0.0%	8,736	2,704	223.1%
EFX/BP CROSS RATES	0	0	0.0%	74,159	22,409	230.93%	0	0	0.0%	440,542	231,691	90.1%
EFX/JY CROSS RATES	0	0	0.0%	30,706	19,485	57.59%	0	0	0.0%	277,814	148,956	86.5%
EFX/SF CROSS RATES	0	0	0.0%	42,574	11,432	272.41%	0	0	0.0%	204,976	90,838	125.7%
E-MICRO USD/CAD	0	-	-	152	-	-	0	-	-	1,442	-	-
E-MICRO USD/CHF	0	-	-	96	-	-	0	-	-	360	-	-
E-MICRO USD/JPY	0	-	-	15,976	-	-	0	-	-	42,307	-	-
E-MINI EURO FX	0	0	0.0%	127,139	96,782	31.37%	0	0	0.0%	646,126	665,175	-2.9%
E-MINI JAPANESE YEN	0	0	0.0%	9,511	6,471	46.98%	0	0	0.0%	41,110	46,887	-12.3%
EURO FX	0	0	0.0%	4,034,455	3,265,220	23.56%	0	0	0.0%	21,706,426	19,563,894	11.0%
HUNGARIAN FORINT (EC)	0	0	0.0%	1	0	0.00%	0	0	0.0%	2	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	4	11	-63.64%	0	0	0.0%	33	72	-54.2%
INDIAN RUPEE	0	0	0.0%	17,800	9,368	90.01%	0	0	0.0%	97,568	73,133	33.4%
JAPANESE YEN	0	0	0.0%	2,943,077	1,960,285	50.14%	0	0	0.0%	13,421,333	10,573,635	26.9%
KOREAN WON	0	0	0.0%	253	1,415	-82.12%	0	0	0.0%	1,999	9,147	-78.1%
MEXICAN PESO	0	0	0.0%	1,072,113	866,691	23.70%	0	0	0.0%	5,069,160	5,254,259	-3.5%
MICRO AUD/USD	0	0	0.0%	315,396	183,154	72.20%	0	0	0.0%	1,358,361	1,177,672	15.3%
MICRO CAD/USD	0	0	0.0%	75,059	56,424	33.03%	0	0	0.0%	287,429	246,238	16.7%
MICRO CHF/USD	0	0	0.0%	18,799	7,890	138.26%	0	0	0.0%	61,973	46,594	33.0%
MICRO EUR/USD	0	0	0.0%	690,536	401,240	72.10%	0	0	0.0%	3,441,559	2,545,213	35.2%
MICRO GBP/USD	0	0	0.0%	112,785	67,459	67.19%	0	0	0.0%	437,089	347,990	25.6%
MICRO INR/USD	0	0	0.0%	745	1,659	-55.09%	0	0	0.0%	4,063	10,909	-62.8%
MICRO JPY/USD	0	0	0.0%	0	31,430	-100.00%	0	0	0.0%	101,719	153,179	-33.6%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Futures												
MICRO USD/CNH	0	0	0.0%	0	13	-100.00%	0	0	0.0%	2	20	-90.0%
NEW ZEALND DOLLAR	0	0	0.0%	616,162	492,788	25.04%	0	0	0.0%	2,845,593	2,973,456	-4.3%
NKR/USD CROSS RATE	0	0	0.0%	2,147	3,282	-34.58%	0	0	0.0%	15,160	21,894	-30.8%
POLISH ZLOTY (EC)	0	0	0.0%	45	24	87.50%	0	0	0.0%	653	586	11.4%
POLISH ZLOTY (US)	0	0	0.0%	807	174	363.79%	0	0	0.0%	6,561	4,397	49.2%
RMB USD	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	0	0.0%
RUSSIAN RUBLE	0	0	0.0%	1,265	56,344	-97.75%	0	0	0.0%	575,914	445,027	29.4%
S.AFRICAN RAND	0	0	0.0%	81,000	48,322	67.63%	0	0	0.0%	416,842	247,888	68.2%
SF/JY CROSS RATES	0	0	0.0%	541	16	3,281.25%	0	0	0.0%	2,030	130	1,461.5%
SHEKEL	0	0	0.0%	15	1	1,400.00%	0	0	0.0%	59	12	391.7%
SKR/USD CROSS RATES	0	0	0.0%	4,977	3,406	46.12%	0	0	0.0%	28,692	20,444	40.3%
SWISS FRANC	0	0	0.0%	528,881	410,495	28.84%	0	0	0.0%	2,391,620	2,310,591	3.5%
TURKISH LIRA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	8	-100.0%
USDZAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	27	49	-44.9%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	148	97	52.58%	0	0	0.0%	1,597	2,036	-21.6%
AUD/USD MONDAY OPTION W	0	0	0.0%	388	209	85.65%	0	0	0.0%	2,717	1,740	56.1%
AUD/USD MONDAY OPTION W	0	0	0.0%	391	103	279.61%	0	0	0.0%	1,888	1,945	-2.9%
AUD/USD MONDAY OPTION W	0	0	0.0%	560	287	95.12%	0	0	0.0%	2,173	2,139	1.6%
AUD/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	779	23	3,287.0%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	77,854	34,194	127.68%	0	0	0.0%	343,702	214,714	60.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,420	958	48.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,700	1,968	37.20%	0	0	0.0%	10,528	8,560	23.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,351	2,796	-15.92%	0	0	0.0%	12,065	12,916	-6.6%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,924	2,011	-4.33%	0	0	0.0%	8,160	16,222	-49.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,720	3,069	-44.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,822	2,465	-26.09%	0	0	0.0%	4,930	6,549	-24.7%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	161	767	-79.01%	0	0	0.0%	2,818	3,961	-28.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	97	210	-53.81%	0	0	0.0%	1,033	2,332	-55.7%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,094	1,074	1.86%	0	0	0.0%	2,970	5,572	-46.7%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	211	564	-62.6%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Options												
BRL/USD MONTHLY OPTIONS	0	0	0.0%	183	147	24.49%	0	0	0.0%	1,964	1,773	10.8%
CAD/USD MONDAY OPTIONS	0	0	0.0%	138	695	-80.14%	0	0	0.0%	999	4,219	-76.3%
CAD/USD MONDAY OPTIONS	0	0	0.0%	756	2,338	-67.66%	0	0	0.0%	6,600	4,977	32.6%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,010	255	296.08%	0	0	0.0%	4,470	1,516	194.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	254	1,563	-83.75%	0	0	0.0%	4,700	3,591	30.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,256	612	105.2%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	78,193	62,963	24.19%	0	0	0.0%	320,409	261,295	22.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	5,805	6,368	-8.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,524	7,432	-39.13%	0	0	0.0%	19,690	19,202	2.5%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,913	6,462	-39.45%	0	0	0.0%	26,133	29,519	-11.5%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,023	5,792	-30.54%	0	0	0.0%	25,984	32,529	-20.1%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	4,281	9,870	-56.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	746	1,175	-36.51%	0	0	0.0%	5,384	5,088	5.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	553	1,271	-56.49%	0	0	0.0%	5,839	6,181	-5.5%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,477	3,011	-50.95%	0	0	0.0%	8,296	7,309	13.5%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,875	1,188	57.83%	0	0	0.0%	9,462	4,817	96.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,938	1,221	140.6%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	3,185	6,491	-50.93%	0	0	0.0%	27,378	23,849	14.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	10	0	0.00%	0	0	0.0%	530	56	846.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	72	786	-90.84%	0	0	0.0%	792	1,458	-45.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	17	17	0.00%	0	0	0.0%	415	1,171	-64.6%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	66	24	175.00%	0	0	0.0%	808	1,901	-57.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	14	22	-36.4%
EUR/GBP MONTHLY OPTIONS	0	-	-	0	-		0	-	-	204	-	-
EUR/GBP WKLY FRIDAY OPTIC	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%	923	624	47.92%	0	0	0.0%	10,041	6,144	63.4%
EUR/USD MONDAY OPTION W	0	0	0.0%	2,071	4,826	-57.09%	0	0	0.0%	15,479	9,626	60.8%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,288	2,457	-47.58%	0	0	0.0%	5,594	3,691	51.6%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,256	1,412	-11.05%	0	0	0.0%	17,173	9,622	78.5%
EUR/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,856	1,587	80.0%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	213,743	166,948	28.03%	0	0	0.0%	1,157,925	988,796	17.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	2	0	0.00%	0	0	0.0%	24,512	11,898	106.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	13,326	30,769	-56.69%	0	0	0.0%	79,726	69,132	15.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	15,007	17,381	-13.66%	0	0	0.0%	82,252	97,222	-15.4%

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FX Options												
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	15,132	22,802	-33.64%	0	0	0.0%	105,000	86,418	21.5%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	20,204	33,497	-39.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,416	7,212	-38.77%	0	0	0.0%	31,224	33,018	-5.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	3,290	7,178	-54.17%	0	0	0.0%	25,095	34,374	-27.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	5,324	4,999	6.50%	0	0	0.0%	27,875	34,515	-19.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,702	6,683	-29.64%	0	0	0.0%	29,211	40,520	-27.9%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	6,113	5,639	8.4%
GBP/USD MONDAY OPTION W	0	0	0.0%	217	52	317.31%	0	0	0.0%	2,723	1,240	119.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,499	1,221	22.77%	0	0	0.0%	5,034	2,902	73.5%
GBP/USD MONDAY OPTION W	0	0	0.0%	115	101	13.86%	0	0	0.0%	1,660	1,204	37.9%
GBP/USD MONDAY OPTION W	0	0	0.0%	170	50	240.00%	0	0	0.0%	2,766	542	410.3%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	361	400	-9.8%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	74,566	79,955	-6.74%	0	0	0.0%	342,407	374,940	-8.7%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1	0	0.00%	0	0	0.0%	2,815	1,768	59.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,908	3,255	20.06%	0	0	0.0%	12,169	11,738	3.7%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,074	2,015	2.93%	0	0	0.0%	14,530	12,184	19.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,489	3,719	-59.96%	0	0	0.0%	13,327	15,146	-12.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	3,774	3,486	8.3%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	303	2,164	-86.00%	0	0	0.0%	7,299	6,614	10.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	261	344	-24.13%	0	0	0.0%	2,561	3,729	-31.3%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,158	450	157.33%	0	0	0.0%	6,226	3,170	96.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	438	888	-50.68%	0	0	0.0%	4,027	5,385	-25.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	330	1,655	-80.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	89	346	-74.28%	0	0	0.0%	2,105	1,983	6.2%
JPY/USD MONDAY OPTION WE	0	0	0.0%	846	776	9.02%	0	0	0.0%	5,076	1,851	174.2%
JPY/USD MONDAY OPTION WE	0	0	0.0%	980	241	306.64%	0	0	0.0%	1,532	1,078	42.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	987	364	171.15%	0	0	0.0%	4,565	881	418.2%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	0	0.00%	0	0	0.0%	51	313	-83.7%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	157,040	68,166	130.38%	0	0	0.0%	719,454	380,073	89.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	10,796	8,167	32.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	11,990	9,197	30.37%	0	0	0.0%	46,501	26,291	76.9%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	10,635	5,878	80.93%	0	0	0.0%	51,767	42,792	21.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	8,009	9,754	-17.89%	0	0	0.0%	47,897	40,303	18.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	15,568	16,475	-5.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2022	Open Outcry MAY 2021	% CHG	ELEC MAY 2022	ELEC MAY 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
FX Options												
JPY/USD WKLY WED OPTIONS	0	0	0.0%	1,977	2,025	-2.37%	0	0	0.0%	15,253	11,591	31.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,421	3,126	9.44%	0	0	0.0%	15,018	14,325	4.8%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,921	3,448	-15.28%	0	0	0.0%	11,813	12,425	-4.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,893	2,936	32.60%	0	0	0.0%	14,676	13,628	7.7%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,857	2,493	14.6%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	608	2,670	-77.23%	0	0	0.0%	3,914	5,680	-31.1%
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	344	-100.00%	0	0	0.0%	17	344	-95.1%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	59	-100.00%	0	0	0.0%	0	59	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	193	-100.00%	0	0	0.0%	0	193	-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%	18	248	-92.74%	0	0	0.0%	499	540	-7.6%
NZD/USD WKLY FRIDAY OPTIO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-		0	-	-	0	-	-
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	0	0.00%	0	0	0.0%	0	68	-100.0%
Ags Futures												
FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	4	-50.0%
Foreign Exchange Futures												
CHILEAN PESO	0	-	-	0	-		0	-	-	23	-	-
Foreign Exchange Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	493	633	-22.12%	0	0	0.0%	2,505	3,426	-26.9%

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Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	111	724	-84.67%	0	0	0.0%	1,153	3,552	-67.5%
BUTTER CS	0	0	0.0%	4,062	3,702	9.72%	0	0	0.0%	22,596	20,836	8.4%
CASH-SETTLED CHEESE	0	0	0.0%	8,517	10,505	-18.92%	0	0	0.0%	44,486	58,166	-23.5%
CAT ASIA WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CATTLE	0	0	0.0%	1,297,009	1,175,015	10.38%	0	0	0.0%	6,375,472	6,103,572	4.5%
CAT WEATHER EUROPEAN	0	-	-	0	-		0	-	-	0	-	-
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHI WHEAT	0	0	0.0%	1,807,580	2,171,743	-16.77%	0	0	0.0%	11,533,570	13,155,516	-12.3%
CLASS IV MILK	0	0	0.0%	2,762	764	261.52%	0	0	0.0%	12,191	3,206	280.3%
COFFEE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2	-100.0%
CORN	0	0	0.0%	5,217,154	7,700,652	-32.25%	0	0	0.0%	33,993,605	39,948,449	-14.9%
COTTON	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	22	-100.0%
DOW-UBS COMMOD INDEX	0	0	0.0%	39,553	38,746	2.08%	0	0	0.0%	231,428	216,721	6.8%
DRY WHEY	0	0	0.0%	1,011	2,702	-62.58%	0	0	0.0%	4,945	12,470	-60.3%
FEEDER CATTLE	0	0	0.0%	218,592	201,385	8.54%	0	0	0.0%	1,310,248	1,205,713	8.7%
FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	2,741	9,445	-70.98%	0	0	0.0%	15,644	58,753	-73.4%
GSCI EXCESS RETURN FUT	0	0	0.0%	22	26	-15.38%	0	0	0.0%	22	101	-78.2%
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	-	-
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%	1,035,125	1,043,499	-0.80%	0	0	0.0%	4,862,872	4,730,246	2.8%
HOUSING INDEX	0	0	0.0%	49	11	345.45%	0	0	0.0%	94	62	51.6%
Intercommodity Spread	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
KC WHEAT	0	0	0.0%	671,801	965,184	-30.40%	0	0	0.0%	4,725,718	5,369,654	-12.0%
LUMBER	0	0	0.0%	6,441	12,601	-48.89%	0	0	0.0%	39,257	50,477	-22.2%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	26,429	22,218	18.95%	0	0	0.0%	147,901	119,297	24.0%
MINI CORN	0	0	0.0%	50,723	114,615	-55.74%	0	0	0.0%	330,226	371,638	-11.1%
MINI SOYBEAN	0	0	0.0%	44,846	62,298	-28.01%	0	0	0.0%	321,141	344,590	-6.8%
MINI WHEAT	0	0	0.0%	26,790	23,199	15.48%	0	0	0.0%	146,560	101,485	44.4%

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Ag Products Futures												
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%	4,008	5,423	-26.09%	0	0	0.0%	32,134	29,538	8.8%
OATS	0	0	0.0%	6,913	9,627	-28.19%	0	0	0.0%	46,206	47,232	-2.2%
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%	2,812	1,962	43.32%	0	0	0.0%	12,841	17,650	-27.2%
ROUGH RICE	0	0	0.0%	14,222	13,084	8.70%	0	0	0.0%	90,914	78,022	16.5%
SOYBEAN	0	0	0.0%	3,167,260	3,624,549	-12.62%	0	0	0.0%	20,838,717	23,092,631	-9.8%
SOYBEAN MEAL	0	0	0.0%	1,655,458	1,848,129	-10.43%	0	0	0.0%	10,341,776	10,168,535	1.7%
SOYBEAN OIL	0	0	0.0%	1,729,632	2,235,753	-22.64%	0	0	0.0%	10,722,755	13,378,867	-19.9%
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SUGAR 11	-	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%	0	0	0.0%
WHEAT	0	0	0.0%	56	3,621	-98.45%	0	0	0.0%	6,012	13,934	-56.9%
Ag Products Options												
AUG-NOV SOYBEAN CAL SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BLOCK CHEESE	0	0	0.0%	0	175	-100.00%	0	0	0.0%	863	1,782	-51.6%
BUTTER CS	0	0	0.0%	1,085	1,113	-2.52%	0	0	0.0%	5,791	11,876	-51.2%
CASH-SETTLED CHEESE	0	0	0.0%	4,851	5,644	-14.05%	0	0	0.0%	32,929	40,721	-19.1%
CATTLE	0	0	0.0%	223,894	160,305	39.67%	0	0	0.0%	1,090,030	964,892	13.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHI WHEAT	0	0	0.0%	562,965	461,326	22.03%	0	0	0.0%	3,116,491	2,378,179	31.0%
CLASS IV MILK	0	0	0.0%	6,853	3,303	107.48%	0	0	0.0%	33,205	15,468	114.7%
CORN	0	0	0.0%	2,692,656	4,091,977	-34.20%	0	0	0.0%	13,383,448	16,065,306	-16.7%
CORN NEARBY+2 CAL SPRD	0	0	0.0%	8,185	18,803	-56.47%	0	0	0.0%	122,984	50,098	145.5%
DEC-DEC CORN CAL SPRD	0	0	0.0%	0	1,030	-100.00%	0	0	0.0%	0	1,230	-100.0%
DEC-JULY CORN CAL SPRD	0	0	0.0%	0	100	-100.00%	0	0	0.0%	3,340	100	3,240.0%
DEC-JULY WHEAT CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DRY WHEY	0	0	0.0%	61	184	-66.85%	0	0	0.0%	2,150	1,418	51.6%
FEEDER CATTLE	0	0	0.0%	33,947	23,787	42.71%	0	0	0.0%	176,627	108,627	62.6%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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Ag Products Options												
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%	237,386	211,098	12.45%	0	0	0.0%	1,185,799	929,113	27.6%
HOUSING INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
Intercommodity Spread	0	0	0.0%	0	1	-100.00%	0	0	0.0%	0	269	-100.0%
JAN-MAR SOYBEAN CSO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JULY-DEC CORN CAL SPRD	0	0	0.0%	5,300	6,080	-12.83%	0	0	0.0%	44,144	25,565	72.7%
JULY-DEC SOYMEAL CAL SPR	0	-	-	410	-	-	0	-	-	410	-	-
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	3,200	100	3,100.0%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	1	0	0.0%
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	9,666	50	19,232.00%	0	0	0.0%	33,876	1,477	2,193.6%
KC WHEAT	0	0	0.0%	91,002	52,339	73.87%	0	0	0.0%	414,893	274,573	51.1%
LUMBER	0	0	0.0%	344	1,074	-67.97%	0	0	0.0%	2,564	4,226	-39.3%
LV CATL CSO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MAR-DEC CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	9,575	0	0.0%
MAR-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	150	0	0.0%
MILK	0	0	0.0%	19,836	15,651	26.74%	0	0	0.0%	95,702	132,525	-27.8%
MLK MID OPTIONS	0	0	0.0%	0	2	-100.00%	0	0	0.0%	43	11	290.9%
NFD MILK	0	0	0.0%	2,621	4,573	-42.69%	0	0	0.0%	19,153	20,162	-5.0%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	600	0	0.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NOV-NOV SOYBEAN CAL SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
OATS	0	0	0.0%	275	203	35.47%	0	0	0.0%	1,297	658	97.1%
PORK CUTOUT	0	0	0.0%	0	88	-100.00%	0	0	0.0%	35	718	-95.1%
ROUGH RICE	0	0	0.0%	1,797	1,241	44.80%	0	0	0.0%	7,373	2,766	166.6%
SOYBEAN	0	0	0.0%	1,459,865	1,801,893	-18.98%	0	0	0.0%	8,573,957	8,774,194	-2.3%
SOYBEAN CRUSH	0	0	0.0%	25	0	0.00%	0	0	0.0%	121	861	-85.9%
SOYBEAN MEAL	0	0	0.0%	179,198	255,011	-29.73%	0	0	0.0%	1,227,492	1,175,247	4.4%
SOYBEAN OIL	0	0	0.0%	185,277	278,732	-33.53%	0	0	0.0%	1,191,285	1,597,244	-25.4%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	830	200	315.00%	0	0	0.0%	19,033	7,021	171.1%

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Ag Products Options												
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,100	0	0.0%
WHEAT	0	0	0.0%	10	526	-98.10%	0	0	0.0%	815	3,813	-78.6%
WHEAT-CORN ICSCO	0	0	0.0%	100	218	-54.13%	0	0	0.0%	1,120	831	34.8%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	80	0	0.00%	0	0	0.0%	24,728	1,491	1,558.5%
TOTAL FUTURES GROUP												
Interest Rate Futures	336,725	324,122	3.9%	196,994,324	161,832,259	21.7%	3,543,426	2,037,375	73.9%	936,091,937	750,459,175	24.7%
Equity Index Futures	0	0	0.0%	147,951,303	96,600,497	53.2%	0	0	0.0%	672,774,269	512,904,217	31.2%
Metals Futures	0	0	0.0%	8,991,852	11,641,684	-22.8%	0	0	0.0%	48,731,028	57,263,157	-14.9%
Energy Futures	0	0	0.0%	31,547,515	33,347,432	-5.4%	0	0	0.0%	195,094,461	189,286,101	3.1%
FX Futures	0	0	0.0%	17,277,930	13,224,257	30.7%	0	0	0.0%	84,810,971	76,072,154	11.5%
Ags Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	4	-50.0%
Foreign Exchange Futures	0	-	-	0	-	-	0	-	-	23	-	-
Ag Products Futures	0	0	0.0%	17,041,679	21,301,182	-20.0%	0	0	0.0%	106,210,484	118,700,937	-10.5%
TOTAL FUTURES	336,725	324,122	3.9%	419,804,603	337,947,311	24.2%	3,543,426	2,037,375	73.9%	2,043,713,175	1,704,685,745	19.9%
TOTAL OPTIONS GROUP												
Equity Index Options	0	0	0.0%	25,057,314	14,465,135	73.2%	0	0	0.0%	115,814,623	65,058,994	78.0%
Interest Rate Options	13,761,435	12,314,125	11.8%	24,694,565	24,175,481	2.1%	86,984,827	64,614,273	34.6%	143,795,532	132,409,840	8.6%
Metals Options	0	0	0.0%	1,139,673	927,745	22.8%	0	0	0.0%	5,949,794	4,938,460	20.5%
Energy Options	0	0	0.0%	2,570,025	2,465,229	4.3%	0	0	0.0%	16,719,830	14,608,831	14.5%
FX Options	0	0	0.0%	760,578	625,067	21.7%	0	0	0.0%	3,914,710	3,205,199	22.1%
Ag Products Options	0	0	0.0%	5,728,519	7,396,727	-22.6%	0	0	0.0%	30,826,324	32,592,562	-5.4%
Foreign Exchange Options	0	0	0.0%	493	633	-22.1%	0	0	0.0%	2,505	3,426	-26.9%
TOTAL OPTIONS	13,761,435	12,314,125	11.8%	59,951,167	50,056,017	19.8%	86,984,827	64,614,273	34.6%	317,023,318	252,817,312	25.4%

*** Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2022	Open Outcry MAY 2021	% CHG	ELEC MAY 2022	ELEC MAY 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
TOTAL COMBINED												
Interest Rate	14,098,160	12,638,247	11.6%	221,688,889	186,007,740	19.2%	90,528,253	66,651,648	35.8%	1,079,887,469	882,869,015	22.3%
Equity Index	0	0	0.0%	173,008,617	111,065,632	55.8%	0	0	0.0%	788,588,892	577,963,211	36.4%
Metals	0	0	0.0%	10,131,525	12,569,429	-19.4%	0	0	0.0%	54,680,822	62,201,617	-12.1%
Energy	0	0	0.0%	34,117,540	35,812,661	-4.7%	0	0	0.0%	211,814,291	203,894,932	3.9%
FX	0	0	0.0%	18,038,508	13,849,324	30.2%	0	0	0.0%	88,725,681	79,277,353	11.9%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	4	-50.0%
Foreign Exchange	0	0	0.0%	493	633	-22.1%	0	0	0.0%	2,528	3,426	-26.2%
Ag Products	0	0	0.0%	22,770,198	28,697,909	-20.7%	0	0	0.0%	137,036,808	151,293,499	-9.4%
GRAND TOTAL	14,098,160	12,638,247	11.6%	479,755,770	388,003,328	23.6%	90,528,253	66,651,648	35.8%	2,360,736,493	1,957,503,057	20.6%

*** Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

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