

CME Group Exchange ADV Report - Monthly

February 2023

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	ADV FEB 2023	ADV FEB 2022	% CHG	ADV JAN 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
FX Futures								
AD/CD CROSS RATES	1	1.79	-61.8%	1.95	-64.9%	1	1	13.0%
AD/JY CROSS RATES	67	304.42	-77.9%	61.4	9.5%	64	212	-69.8%
AD/NE CROSS RATES	69	57.05	20.7%	131.35	-47.6%	101	33	206.2%
AUSTRALIAN DOLLAR	92,142	101,642	-9.3%	86,048.4	7.1%	89,017	94,811	-6.1%
BP/JY CROSS RATES	113	186.32	-39.4%	151.8	-25.6%	133	159	-16.5%
BP/SF CROSS RATES	121	61.79	96.6%	146.2	-16.9%	134	110	21.6%
BRAZIL REAL	16,032	17,848.37	-10.2%	15,008.3	6.8%	15,507	17,305	-10.4%
BRITISH POUND	96,139	112,624.16	-14.6%	85,992.5	11.8%	90,936	104,645	-13.1%
CANADIAN DOLLAR	80,698	79,011.95	2.1%	70,121.9	15.1%	75,274	78,445	-4.0%
CD/JY CROSS RATES	0	4.37	-97.6%	0.15	-29.8%	0	14	-99.1%
CHINESE RENMINBI (CNH)	1,610	646.26	149.2%	1,067.45	50.9%	1,332	698	90.7%
CZECK KORUNA (EC)	0	0	-	0.1	-100.0%	0	0	-33.3%
CZECK KORUNA (US)	3	0.21	1150.2%	7.8	-66.3%	5	0	4020.2%
EC/AD CROSS RATES	69	158.84	-56.5%	98.9	-30.1%	84	159	-46.8%
EC/CD CROSS RATES	90	146.53	-38.8%	173.75	-48.4%	133	197	-32.6%
EC/NOK CROSS RATES	74	19.32	284.5%	65.95	12.6%	70	28	152.5%
EC/SEK CROSS RATES	133	55.16	141.7%	110.65	20.5%	122	58	110.9%
EFX/BP CROSS RATES	1,778	3,753.16	-52.6%	1,534.3	15.9%	1,653	2,924	-43.5%
EFX/JY CROSS RATES	1,513	3,151.37	-52.0%	1,370.85	10.4%	1,440	2,505	-42.5%
EFX/SF CROSS RATES	450	1,963.37	-77.1%	730.6	-38.4%	594	1,571	-62.2%
E-MICRO USD/CAD	6	18.05	-65.0%	13.7	-53.9%	10	16	-36.1%
E-MICRO USD/CHF	2	4.47	-45.9%	12.05	-79.9%	7	3	189.9%
E-MICRO USD/JPY	26	126.74	-79.1%	91.65	-71.1%	60	114	-47.4%
E-MINI EURO FX	6,773	6,318.58	7.2%	7,485.25	-9.5%	7,138	6,017	18.6%
E-MINI JAPANESE YEN	630	303.42	107.5%	635.45	-0.9%	633	286	120.8%
EURO FX	210,244	209,774.53	0.2%	197,228.4	6.6%	203,569	190,176	7.0%
HUNGARIAN FORINT (EC)	0	0.32	0.0%	0.05	531.6%	0	0	-41.7%
HUNGARIAN FORINT (US)	1	0	-	0.45	40.4%	1	1	-8.7%
INDIAN RUPEE	1,727	1,118.47	54.4%	2,418.2	-28.6%	2,082	933	123.0%
JAPANESE YEN	139,736	112,937.53	23.7%	148,156.6	-5.7%	144,054	110,720	30.1%
KOREAN WON	9	34.74	-73.8%	11.05	-17.6%	10	47	-78.5%
MEXICAN PESO	48,791	49,531.26	-1.5%	43,286.75	12.7%	45,968	45,483	1.1%
MICRO AUD/USD	14,610	15,440.89	-5.4%	15,303.8	-4.5%	14,966	13,669	9.5%
MICRO CAD/USD	3,258	2,441.63	33.4%	3,257.45	0.0%	3,258	2,997	8.7%
MICRO CHF/USD	755	408.21	85.0%	998	-24.3%	880	472	86.5%
MICRO EUR/USD	33,157	33,270	-0.3%	38,601.5	-14.1%	35,949	33,206	8.3%
MICRO GBP/USD	3,893	3,866.74	0.7%	3,893.55	0.0%	3,894	4,095	-4.9%
MICRO INR/USD	29	37.53	-21.7%	37.1	-20.8%	33	43	-22.2%
MICRO JPY/USD	0	2,060.53	-100.0%	0	-	0	2,280	-100.0%
MICRO USD/CNH	0	0.05	-100.0%	0	-	0	0	-100.0%
NEW ZEALND DOLLAR	29,672	29,160.74	1.8%	25,380.2	16.9%	27,471	26,821	2.4%
NKR/USD CROSS RATE	166	162.16	2.6%	127.8	30.2%	147	158	-7.1%
POLISH ZLOTY (EC)	1	3.05	-55.2%	1	36.8%	1	3	-53.1%
POLISH ZLOTY (US)	30	68	-55.2%	44.25	-31.1%	38	54	-30.1%
RMB USD	0	0	-	0.25	-100.0%	0	0	400.8%
RUSSIAN RUBLE	0	16,919.58	-100.0%	0	-	0	14,645	-100.0%
S.AFRICAN RAND	3,253	4,414.05	-26.3%	2,689.5	20.9%	2,964	4,037	-26.6%
SF/JY CROSS RATES	23	0.89	2482.5%	13.9	66.2%	18	2	705.6%
SHEKEL	4	1.16	218.2%	0.6	514.0%	2	1	141.2%

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FX Futures								
SKR/USD CROSS RATES	239	355	-32.7%	212.3	12.5%	225	335	-32.9%
SWISS FRANC	18,049	21,534.89	-16.2%	19,557.25	-7.7%	18,822	21,591	-12.8%
TURKISH LIRA	0	0.74	-100.0%	0	-	0	0	-100.0%
USDZAR	2	1.16	81.8%	0	-	1	1	48.1%
FX Options								
AUD/USD MONDAY OPTION WEEK1	3	9.95	-67.2%	1.3	151.0%	2	22	-89.9%
AUD/USD MONDAY OPTION WEEK2	8	105.58	-92.5%	21	-62.2%	15	54	-73.1%
AUD/USD MONDAY OPTION WEEK3	0	22.05	-98.1%	0	-	0	11	-98.1%
AUD/USD MONDAY OPTION WEEK4	2	21.68	-92.5%	38.15	-95.7%	20	17	16.8%
AUD/USD MONDAY OPTION WEEK5	0	0	-	15.75	-100.0%	8	20	-59.6%
AUD/USD MONTHLY OPTIONS	2,015	4,228.95	-52.4%	1,683.15	19.7%	1,845	6,404	-71.2%
AUD/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
AUD/USD WKLY FRIDAY OPTIONS -	160	207.32	-22.7%	55.7	187.5%	107	149	-28.4%
AUD/USD WKLY FRIDAY OPTIONS -	81	227.16	-64.5%	139.4	-42.2%	111	182	-39.2%
AUD/USD WKLY FRIDAY OPTIONS -	54	103.89	-48.1%	116.65	-53.8%	86	130	-33.9%
AUD/USD WKLY FRIDAY OPTIONS -	17	0	-	0	-	8	0	-
AUD/USD WKLY WED OPTIONS - WK	12	84.53	-86.1%	7.65	54.1%	10	48	-79.9%
AUD/USD WKLY WED OPTIONS - WK	5	47.74	-89.1%	12.5	-58.3%	9	42	-78.7%
AUD/USD WKLY WED OPTIONS - WK	4	24.26	-82.4%	9.15	-53.4%	7	16	-57.1%
AUD/USD WKLY WED OPTIONS - WK	14	18	-24.3%	33.15	-58.9%	24	30	-22.1%
AUD/USD WKLY WED OPTIONS - WK	0	0	-	0	-	0	0	-
BRL/USD MONTHLY OPTIONS	0	16.42	-99.7%	0.2	-73.7%	0	33	-99.6%
CAD/USD MONDAY OPTIONS WEEK1	34	13.16	156.8%	6.25	440.6%	20	8	156.5%
CAD/USD MONDAY OPTIONS WEEK2	102	82.21	23.9%	42.45	140.0%	71	67	6.6%
CAD/USD MONDAY OPTIONS WEEK3	0	1.21	-65.2%	0	-	0	1	-65.2%
CAD/USD MONDAY OPTIONS WEEK4	35	71.16	-50.8%	50.6	-30.8%	43	63	-31.9%
CAD/USD MONDAY OPTIONS WEEK5	0	0	-	12.35	-100.0%	6	32	-80.3%
CAD/USD MONTHLY OPTIONS	2,834	3,408.79	-16.9%	3,731.2	-24.0%	3,294	4,075	-19.2%
CAD/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
CAD/USD WKLY FRIDAY OPTIONS -	199	238.42	-16.3%	182.25	9.5%	191	362	-47.4%
CAD/USD WKLY FRIDAY OPTIONS -	162	332.68	-51.3%	121.95	32.8%	141	318	-55.5%
CAD/USD WKLY FRIDAY OPTIONS -	129	262.42	-50.8%	179.6	-28.1%	155	277	-44.0%
CAD/USD WKLY FRIDAY OPTIONS -	18	0	-	0	-	9	0	-
CAD/USD WKLY WED OPTIONS - WK	11	104.16	-89.1%	70.9	-84.0%	42	65	-35.8%
CAD/USD WKLY WED OPTIONS - WK	25	105.74	-76.5%	36	-30.8%	31	98	-68.8%
CAD/USD WKLY WED OPTIONS - WK	136	115	18.7%	33.45	308.0%	84	87	-4.4%
CAD/USD WKLY WED OPTIONS - WK	16	78.53	-79.7%	114.15	-86.0%	66	88	-24.3%
CAD/USD WKLY WED OPTIONS - WK	0	0	-	0	-	0	0	-
CHF/USD MONTHLY OPTIONS	203	210.68	-3.5%	311.2	-34.7%	259	389	-33.5%
CHF/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
CHF/USD WKLY FRIDAY OPTIONS -	11	16.11	-34.0%	5.3	100.6%	8	15	-48.8%
CHF/USD WKLY FRIDAY OPTIONS -	10	1.21	695.7%	9.55	0.9%	10	8	15.8%
CHF/USD WKLY FRIDAY OPTIONS -	116	20.11	477.5%	31.85	264.5%	73	17	318.7%
CHF/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
EUR/GBP MONTHLY OPTIONS	0	10.53	-100.0%	0	-	0	5	-100.0%
EURODOLLARS	220	0	-	172.8	27.4%	196	0	-

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FX Options								
EUR/USD MONDAY OPTION WEEK1	214	103.26	107.4%	50	328.4%	130	62	109.6%
EUR/USD MONDAY OPTION WEEK2	83	400.42	-79.2%	119.45	-30.3%	102	255	-60.0%
EUR/USD MONDAY OPTION WEEK3	73	88.89	-18.2%	0	-	35	43	-18.2%
EUR/USD MONDAY OPTION WEEK4	162	226.37	-28.4%	57.1	183.8%	108	131	-17.7%
EUR/USD MONDAY OPTION WEEK5	0	0	-	47.75	-100.0%	24	73	-66.6%
EUR/USD MONTHLY OPTIONS	14,978	14,797.58	1.2%	10,093.4	48.4%	12,473	12,436	0.3%
EUR/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
EUR/USD WKLY FRIDAY OPTIONS -	862	1,437.37	-40.0%	1,143.95	-24.6%	1,007	1,392	-27.7%
EUR/USD WKLY FRIDAY OPTIONS -	1,902	871.26	118.3%	1,008.05	88.7%	1,444	873	65.4%
EUR/USD WKLY FRIDAY OPTIONS -	729	1,837	-60.3%	557.1	30.9%	641	1,384	-53.7%
EUR/USD WKLY FRIDAY OPTIONS -	13	0	-	0	-	6	0	-
EUR/USD WKLY WED OPTIONS - WK	192	452.42	-57.6%	144.95	32.4%	168	369	-54.5%
EUR/USD WKLY WED OPTIONS - WK	445	265.79	67.5%	253.7	75.5%	347	244	42.2%
EUR/USD WKLY WED OPTIONS - WK	441	359	22.9%	171.5	157.3%	303	297	1.9%
EUR/USD WKLY WED OPTIONS - WK	304	304.89	-0.4%	175.9	72.6%	238	276	-13.6%
EUR/USD WKLY WED OPTIONS - WK	0	0	-	0	-	0	0	-
GBP/USD MONDAY OPTION WEEK1	60	57.37	4.4%	48.95	22.4%	54	33	65.5%
GBP/USD MONDAY OPTION WEEK2	80	85.89	-7.4%	87.9	-9.5%	84	70	19.5%
GBP/USD MONDAY OPTION WEEK3	43	18.32	135.1%	0	-	21	9	135.1%
GBP/USD MONDAY OPTION WEEK4	10	78.58	-86.9%	11.85	-13.4%	11	46	-75.7%
GBP/USD MONDAY OPTION WEEK5	0	0	-	20	-100.0%	10	9	10.8%
GBP/USD MONTHLY OPTIONS	3,318	3,896.74	-14.8%	3,317.1	0.0%	3,318	3,547	-6.5%
GBP/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
GBP/USD WKLY FRIDAY OPTIONS -	203	214.16	-5.2%	164.25	23.6%	183	174	5.1%
GBP/USD WKLY FRIDAY OPTIONS -	226	381.11	-40.6%	89.25	153.8%	156	277	-43.6%
GBP/USD WKLY FRIDAY OPTIONS -	109	156.74	-30.6%	77.6	40.2%	93	160	-42.0%
GBP/USD WKLY FRIDAY OPTIONS -	34	0	-	0	-	16	0	-
GBP/USD WKLY WED OPTIONS - WK	11	163.16	-93.4%	24.55	-56.1%	18	119	-85.0%
GBP/USD WKLY WED OPTIONS - WK	126	55.95	125.1%	108.6	16.0%	117	49	136.9%
GBP/USD WKLY WED OPTIONS - WK	22	66.89	-66.5%	56.3	-60.2%	40	105	-62.1%
GBP/USD WKLY WED OPTIONS - WK	18	93.68	-80.6%	24.2	-25.0%	21	114	-81.3%
GBP/USD WKLY WED OPTIONS - WK	0	0	-	0	-	0	0	-
JPY/USD MONDAY OPTION WEEK1	117	12.58	832.6%	8.35	1305.0%	61	10	511.2%
JPY/USD MONDAY OPTION WEEK2	146	57.58	153.8%	45.4	221.9%	94	73	30.2%
JPY/USD MONDAY OPTION WEEK3	4	3.89	-9.5%	0	-	2	2	-9.5%
JPY/USD MONDAY OPTION WEEK4	3	49.53	-94.3%	67.45	-95.8%	36	36	-0.3%
JPY/USD MONDAY OPTION WEEK5	0	0	-	52.35	-100.0%	27	1	1952.9%
JPY/USD MONTHLY OPTIONS	4,509	4,533.26	-0.5%	5,601.65	-19.5%	5,069	5,797	-12.5%
JPY/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
JPY/USD WKLY FRIDAY OPTIONS -	433	684.42	-36.7%	322.25	34.4%	376	629	-40.2%
JPY/USD WKLY FRIDAY OPTIONS -	568	428.68	32.5%	529.8	7.2%	548	507	8.2%
JPY/USD WKLY FRIDAY OPTIONS -	246	715.63	-65.7%	333.15	-26.3%	290	580	-49.9%
JPY/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
JPY/USD WKLY WED OPTIONS - WK	217	199.21	8.9%	135.95	59.6%	175	157	12.0%
JPY/USD WKLY WED OPTIONS - WK	114	106.58	7.0%	168.1	-32.2%	142	157	-9.9%
JPY/USD WKLY WED OPTIONS - WK	222	167.53	32.3%	211.75	4.6%	217	137	58.4%
JPY/USD WKLY WED OPTIONS - WK	148	157.89	-6.0%	229.45	-35.3%	190	139	36.8%
JPY/USD WKLY WED OPTIONS - WK	0	0	-	0	-	0	0	-

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FX Options								
MXN/USD MONTHLY OPTIONS	9	14.74	-36.1%	10.2	-7.6%	10	52	-81.3%
MXN/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
MXN/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
NZD/USD MONTHLY OPTIONS	2,366	0.53	449288.1%	1,424.95	66.0%	1,883	1	146784.4%
NZD/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-
ZAR/USD MONTHLY OPTIONS	21	0	-	17	20.7%	19	0	-
Equity Index Futures								
BITCOIN	11,177	9,156	22.1%	9,916.7	12.7%	10,531	9,304	13.2%
DJ US REAL ESTATE SECTOR	2,340	1,546.16	51.3%	2,082.6	12.4%	2,208	1,846	19.6%
E-mini (\$5) Dow	188,244	257,503.11	-26.9%	171,615.6	9.7%	179,717	264,842	-32.1%
E-mini FTSE China 50	0	71.74	-100.0%	2.2	-100.0%	1	38	-97.1%
E-MINI MIDCAP	11,344	14,568.32	-22.1%	11,344.75	0.0%	11,344	16,939	-33.0%
E-MINI NASDAQ 100	644,604	732,673.16	-12.0%	617,168.4	4.4%	630,535	776,847	-18.8%
E-MINI RUSSELL 1000	43	126.68	-65.8%	670.55	-93.5%	365	150	143.3%
E-MINI RUSSELL 1000 GROWTH	170	510.95	-66.8%	93.3	81.7%	130	436	-70.1%
E-MINI RUSSELL 1000 VALUE	421	487.05	-13.6%	371.4	13.3%	395	554	-28.7%
E-MINI RUSSELL 2000	199,502	239,657.84	-16.8%	188,615.4	5.8%	193,919	268,644	-27.8%
E-MINI S&P500	1,925,966	1,917,845.84	0.4%	1,703,857.1	13.0%	1,812,064	2,009,793	-9.8%
E-MINI S&P500 ESG	646	1,937.16	-66.6%	731.75	-11.7%	690	2,073	-66.7%
ETHER	0	0	-	0	-	0	0	-
ETHER FUTURES	6,523	5,718.16	14.1%	5,414.8	20.5%	5,954	5,868	1.5%
FT-SE 100	8	3.42	123.1%	0	-	4	6	-33.8%
IBOVESPA INDEX	4	3.05	39.7%	1.05	306.0%	3	2	7.4%
MICRO BITCOIN	10,636	21,848.37	-51.3%	7,181.35	48.1%	8,864	21,367	-58.5%
MICRO E-MINI NASDAQ 100	1,133,651	1,723,577.16	-34.2%	1,153,354.1	-1.7%	1,143,755	1,748,976	-34.6%
MICRO E-MINI RUSSELL 2000	79,297	182,971.37	-56.7%	84,979.55	-6.7%	82,211	208,898	-60.6%
MICRO E-MINI S&P500	1,222,848	1,394,575.05	-12.3%	1,318,381.55	-7.2%	1,271,839	1,429,581	-11.0%
MICRO ETHER	10,966	19,870.84	-44.8%	10,608.5	3.4%	10,783	20,757	-48.1%
MICRO MINI \$5 DOW	129,890	254,253.63	-48.9%	141,114.05	-8.0%	135,646	262,544	-48.3%
NASDAQ-100 VOLATILITY	26	149.74	-82.5%	133.8	-80.4%	81	258	-68.4%
NASDAQ BIOTECH SECTOR	19	2.79	596.2%	10.2	90.4%	15	5	186.5%
Nearby BTIC+	0	18.42	-100.0%	0	-	0	10	-100.0%
NIKKEI 225 (\$) STOCK	3,868	6,525.95	-40.7%	4,697.35	-17.6%	4,293	7,034	-39.0%
NIKKEI 225 (YEN) STOCK	24,353	45,298	-46.2%	27,952.8	-12.9%	26,199	43,875	-40.3%
PHLX SEMICONDUCTOR SECTOR	11	0	-	7.75	46.7%	10	0	-
S&P 500	5,586	2,700.95	106.8%	3,643.45	53.3%	4,590	3,928	16.9%
S&P 500 ANNUAL DIVIDEND INDEX F	2,974	4,906.05	-39.4%	3,390	-12.3%	3,187	4,191	-23.9%
S&P 500 QUARLY DIVIDEND INDEX F	867	199.21	335.4%	716.9	21.0%	790	249	217.8%
S&P BIOTECHNOLOGY SECTOR	22	0	-	16.35	34.2%	19	0	-
S&P COMMUNICATION SERVICES S	166	114.16	45.4%	78.65	111.0%	121	120	0.7%
S&P CONSUMER DISCRETIONARY S	322	357	-9.7%	246.2	30.9%	283	530	-46.5%
S&P CONSUMER STAPLES SECTOR	1,242	886.47	40.1%	1,446.5	-14.1%	1,347	1,046	28.8%
S&P ENERGY SECTOR	1,225	2,158.95	-43.3%	1,102.8	11.1%	1,162	2,067	-43.8%
S&P FINANCIAL SECTOR	1,251	1,129.68	10.7%	664.65	88.2%	950	1,245	-23.7%
S&P HEALTH CARE SECTOR	814	644.84	26.2%	411	97.9%	607	805	-24.6%

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	ADV FEB 2023	ADV FEB 2022	% CHG	ADV JAN 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Equity Index Futures								
S&P INDUSTRIAL SECTOR	551	770.74	-28.6%	922.95	-40.3%	742	1,182	-37.3%
S&P MATERIALS SECTOR	452	894.21	-49.5%	259	74.5%	353	838	-57.9%
S&P OIL & GAS EXPLORATION AND	6	0	-	6.85	-18.6%	6	0	-
S&P REAL ESTATE SECTOR	589	188.16	213.1%	529.7	11.2%	559	323	73.0%
S&P REGIONAL BANKS SECTOR	9	0	-	10.1	-8.8%	10	0	-
S&P RETAIL SECTOR	49	0	-	6.45	655.6%	27	0	-
S&P TECHNOLOGY SECTOR	556	964.16	-42.3%	519.55	7.1%	537	1,451	-63.0%
S&P UTILITIES SECTOR	1,682	1,228.05	37.0%	1,163.05	44.6%	1,416	1,303	8.7%
TOPIX (USD)	0	0	-	0	-	0	0	-
TOPIX (YEN)	9	203.05	-95.7%	11.7	-25.3%	10	200	-94.9%
WATER INDEX FUTURES	1	5.05	-83.3%	1.85	-54.5%	1	7	-81.1%
Equity Index Options								
BITCOIN OPTIONS	281	96.53	190.6%	422.6	-33.6%	353	106	233.3%
DJIA	301	0	-	198.05	52.2%	248	0	-
E-mini (\$5) Dow	47	89.89	-47.5%	85.45	-44.8%	67	101	-34.1%
E-MINI NASDAQ 100	56,084	39,293.42	42.7%	42,702.25	31.3%	49,221	42,234	16.5%
E-MINI RUSSELL 2000	5,855	8,418.47	-30.5%	4,785.1	22.4%	5,306	9,133	-41.9%
E-MINI S&P500	1,234,787	1,152,102.16	7.2%	1,148,162.6	7.5%	1,190,364	1,215,913	-2.1%
ETHER OPTIONS	67	0	-	43.55	53.0%	55	0	-
MICRO BITCOIN	250	0	-	664	-62.3%	463	0	-
MICRO E-MINI NASDAQ 100	2,960	3,526.26	-16.0%	2,695.05	9.8%	2,824	3,778	-25.2%
Micro E-mini S&P 500	14,930	16,296.26	-8.4%	14,065.45	6.1%	14,487	15,700	-7.7%
MICRO ETHER	632	0	-	156.45	304.0%	388	0	-
Interest Rate Futures								
10-YR Eris LIBOR	124	331.37	-62.6%	220.2	-43.7%	173	849	-79.6%
10-YR Eris SOFR	3	2.63	0.0%	18.45	-85.7%	11	3	319.0%
10-YR MAC LIBOR	193	1,236.63	-84.4%	270.65	-28.6%	233	2,762	-91.6%
10-YR MAC SOFR	0	0	-	0	-	0	0	-
10-YR NOTE	2,736,051	2,827,318.95	-3.2%	1,546,440.4	76.9%	2,125,994	2,307,501	-7.9%
10Y YIELD	4,214	6,570.26	-35.9%	1,369.35	207.7%	2,755	5,245	-47.5%
15-YR Eris LIBOR	0	0	-	0	-	0	0	-
1-MONTH EURODOLLAR	0	1,284.21	-100.0%	0	-	0	626	-100.0%
1-YR Eris BSBY	0	0	-	0	-	0	0	-
1-YR Eris SOFR	181	2,862.47	-93.7%	3.45	5149.4%	90	1,846	-95.1%
20-YR BOND	52	0	-	29.55	76.2%	41	0	-
2-YR Eris LIBOR	1,540	2,323.74	-33.7%	760.75	102.4%	1,140	1,701	-32.9%
2-YR Eris SOFR	144	740.53	-80.6%	197.9	-27.4%	172	475	-63.9%
2-YR NOTE	1,079,203	1,065,195.58	1.3%	492,361.3	119.2%	778,259	774,866	0.4%
2Y YIELD	474	399.68	18.7%	250.85	89.1%	360	426	-15.6%
30-Year UMBS TBA Futures - 2.5% Co	7	0	-	3.45	102.9%	5	0	-
30-Year UMBS TBA Futures - 3.0% Co	7	0	-	12.2	-39.2%	10	0	-
30-Year UMBS TBA Futures - 3.5% Co	8	0	-	8.95	-11.8%	8	0	-

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Interest Rate Futures								
30-Year UMBS TBA Futures - 4.0% Co	11	0	-	3.55	203.9%	7	0	-
30-Year UMBS TBA Futures - 4.5% Co	4	0	-	6.3	-42.4%	5	0	-
30-Year UMBS TBA Futures - 5.0% Co	11	0	-	12.5	-11.2%	12	0	-
30-Year UMBS TBA Futures - 5.5% Co	10	0	-	14.25	-29.1%	12	0	-
30-Year UMBS TBA Futures - 6.0% Co	17	0	-	6.05	187.1%	12	0	-
30-YR BOND	543,097	582,838.68	-6.8%	320,735.75	69.3%	429,065	482,726	-11.1%
30-YR Eris LIBOR	0	23.47	-100.0%	0	-	0	11	-100.0%
30-YR MAC LIBOR	0	0	-	0	-	0	110	-100.0%
30Y YIELD	66	880.74	-92.5%	91.2	-27.6%	79	632	-87.5%
3-YR Eris BSBY	0	0	-	0	-	0	0	-
3-YR Eris LIBOR	281	1,360.32	-79.4%	113	148.3%	195	1,588	-87.7%
3-YR Eris SOFR	267	225.37	18.6%	414.2	-35.4%	343	173	98.2%
3-YR NOTE	6,828	21,182.42	-67.8%	4,833.55	41.3%	5,805	19,646	-70.5%
4-YR Eris LIBOR	13	404.26	-96.8%	31.15	-57.9%	22	688	-96.8%
4-YR Eris SOFR	33	7.89	317.3%	91.05	-63.8%	63	37	68.8%
5-YR Eris LIBOR	1,217	2,012.16	-39.5%	426.6	185.2%	811	3,610	-77.5%
5-YR Eris SOFR	135	37.89	257.4%	73.7	83.7%	104	55	89.1%
5-YR MAC LIBOR	881	1,388.26	-36.5%	854.85	3.1%	868	1,276	-32.0%
5-YR MAC SOFR	2	0	-	0	-	1	0	-
5-YR NOTE	2,084,979	2,100,265.68	-0.7%	1,013,074.7	105.8%	1,535,284	1,602,705	-4.2%
5Y YIELD	33	213.26	-84.5%	9.4	251.6%	21	170	-87.7%
7-YR Eris LIBOR	14	413.74	-96.6%	55.4	-74.5%	35	456	-92.3%
7-YR Eris SOFR	0	0	-	25.5	-100.0%	13	0	-
BSBY 3-MONTH FUTURES	400	6,047.16	-93.4%	161.8	147.0%	278	6,018	-95.4%
ESTR Basis Spread Futures	83	0	-	77	7.2%	80	0	-
ESTR Futures	2,327	0	-	1,321.2	76.1%	1,811	0	-
EURODOLLARS	403,807	2,978,694.05	-86.4%	426,331	-5.3%	415,358	2,815,229	-85.2%
FED FUND	564,135	477,320.26	18.2%	383,498.4	47.1%	471,501	417,368	13.0%
FTIIE	14	9.84	46.0%	7	105.3%	11	8	29.1%
SOFR	3,766,067	1,207,881.63	211.8%	2,603,799.3	44.6%	3,170,032	963,392	229.0%
SONIA	63	34.21	83.4%	2.1	2887.5%	32	25	24.6%
Ultra 10-Year Note	625,051	628,730.63	-0.6%	345,856.6	80.7%	481,874	503,716	-4.3%
ULTRA T-BOND	425,165	413,811.79	2.7%	179,116.7	137.4%	298,987	294,708	1.5%

Interest Rate Options

10-YR NOTE	841,656	706,334.68	19.2%	689,301.2	22.1%	763,526	715,006	6.8%
2-YR NOTE	17,886	1,831.53	876.6%	12,385.65	44.4%	15,065	1,653	811.5%
30-YR BOND	140,728	106,258.26	32.4%	115,158.4	22.2%	127,615	115,307	10.7%
5-YR NOTE	354,538	259,756.84	36.5%	211,689.85	67.5%	281,283	253,332	11.0%
EURODOLLARS	160,946	915,156.11	-82.4%	136,287.7	18.1%	148,301	919,922	-83.9%
EURO MIDCURVE	11,221	556,461.53	-98.0%	13,821.65	-18.8%	12,555	580,206	-97.8%
FED FUND	0	1.11	-90.5%	0	-	0	1	-95.2%
SOFR	1,874,920	37,393	4914.1%	1,497,517.35	25.2%	1,681,380	22,397	7407.2%
SOFR MIDCURVE	547,972	19,503	2709.7%	344,680.8	59.0%	443,720	11,141	3882.9%
SOFR MISCURVE	0	0	-	35	-100.0%	18	0	-
Ultra 10-Year Note	14	0	-	10.95	26.9%	12	11	10.3%
ULTRA T-BOND	43	92.89	-53.5%	39	10.8%	41	104	-60.4%

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Energy Futures								
AEP-DAYTON HUB DAILY	0	0	-	0	-	0	0	-
ARGUS LLS VS. WTI (ARG) T	221	118.16	87.1%	58	281.1%	137	104	32.2%
ARGUS PROPAN FAR EST INDE	375	244.42	53.4%	560.65	-33.1%	470	265	77.7%
ARGUS PROPAN(SAUDI ARAMCO	215	118.16	81.9%	180.35	19.2%	197	112	76.5%
BRENT BALMO SWAP	0	0	-	0	-	0	18	-100.0%
BRENT CALENDAR SWAP	407	393.84	3.3%	785.1	-48.2%	601	624	-3.8%
BRENT FINANCIAL FUTURES	4	0	-	7	-47.4%	5	0	-
BRENT OIL LAST DAY	51,277	121,568.58	-57.8%	57,697.15	-11.1%	54,570	104,733	-47.9%
CAR VINTAGE	1,070	760.53	40.7%	1,178.05	-9.2%	1,125	638	76.5%
CHICAGO ETHANOL SWAP	2,925	2,812.68	4.0%	2,838.6	3.0%	2,880	2,772	3.9%
CHICAGO ULSD PL VS HO SPR	97	22.53	331.1%	18	439.5%	57	25	125.5%
CHICAGO UNL GAS PL VS RBO	0	0	-	0	-	0	0	-
CONWAY NATURAL GASOLINE (OPI	0	16.89	-100.0%	6	-100.0%	3	10	-69.4%
CONWAY NORMAL BUTANE (OPIS) S	2	13.05	-81.9%	10.25	-76.9%	6	15	-56.3%
CONWAY PROPANE 5 DECIMALS S	866	509.16	70.1%	820.75	5.5%	843	522	61.4%
CRUDE OIL	0	0	-	0	-	0	0	-
CRUDE OIL LAST DAY	22	23.79	-8.0%	33.7	-35.0%	28	17	61.5%
CRUDE OIL OUTRIGHTS	7,908	3,552.16	122.6%	7,232	9.3%	7,561	3,718	103.4%
CRUDE OIL PHY	853,511	1,335,517.63	-36.1%	900,356.15	-5.2%	877,534	1,204,394	-27.1%
CRUDE OIL SPRDS	4,200	2,979.95	41.0%	3,275.8	28.2%	3,726	2,481	50.2%
CRUDE OIL TRADE AT MARKER SIN	0	0	-	0	-	0	0	-
DAILY PJM	0	0	-	0	-	0	0	-
DATED TO FRONTLINE BRENT	0	37.89	-100.0%	0	-	0	49	-100.0%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-	0	0	-
DUBAI CRUDE OIL CALENDAR	0	0	-	0	-	0	26	-100.0%
DUTCH TTF NATURAL GAS CAL MO	4	266.68	-98.5%	6.6	-41.0%	5	248	-97.9%
EIA FLAT TAX ONHWAY DIESE	3	1.58	100.0%	6.2	-49.1%	5	7	-28.7%
EMMISSIONS	66	0	-	117.35	-43.8%	92	0	-
ETHANOL	0	0	-	0	-	0	0	-100.0%
ETHANOL SWAP	11	13.68	-19.2%	22	-49.8%	17	18	-9.1%
ETHANOL T2 FOB ROTT INCL DUTY	149	165.11	-9.6%	221.65	-32.7%	186	175	6.4%
EURO GASOIL 10 CAL SWAP	0	0	-	0	-	0	0	-
EURO GASOIL 10PPM VS ICE	0	27.11	-100.0%	0	-	0	21	-100.0%
EUROPE 1% FUEL OIL NWE CA	0	0	-	0	-	0	0	-
EUROPE 3.5% FUEL OIL RDAM	3	10	-67.4%	0	-	2	12	-86.6%
EUROPEAN GASOIL (ICE)	1	86.95	-99.0%	5.2	-82.8%	3	68	-95.4%
EUROPEAN NAPHTHA BALMO	1	1.84	-48.6%	0.5	89.5%	1	2	-65.0%
EUROPEAN NAPHTHA CRACK SPR	43	164	-74.1%	60.9	-30.2%	52	184	-71.7%
EUROPE DATED BRENT SWAP	0	0	-	0	-	0	0	-
EUROPE NAPHTHA CALSWAP	53	33.32	58.0%	61.05	-13.8%	57	52	10.0%
EURO PROPANE CIF ARA SWA	107	109.47	-2.3%	109.25	-2.1%	108	95	14.1%
FREIGHT MARKETS	9	5.53	71.4%	40.5	-76.6%	25	16	54.7%
FUEL OIL CRACK VS ICE	0	25.58	-100.0%	0	-	0	22	-100.0%
FUEL OIL NWE CRACK VS ICE	0	0.95	-100.0%	0	-	0	2	-100.0%
FUELOIL SWAP:CARGOES VS.B	0	0	-	0	-	0	0	-
GAS EURO-BOB OXY NWE BARGES	1	17.68	-91.7%	1.95	-24.4%	2	15	-88.7%
GAS EURO-BOB OXY NWE BARGES	39	273.32	-85.6%	112.05	-64.8%	77	234	-67.3%

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Energy Futures								
GASOIL 0.1CIF MED VS ICE	0	0	-	0	-	0	0	-
GASOIL 0.1 RDAM BRGS VS I	0	0	-	0	-	0	0	-
GASOIL 0.1 ROTTERDAM BARG	0	0	-	0	-	0	0	-
GASOIL 10PPM VS ICE SWAP	0	0	-	0	-	0	0	-
GASOIL CALENDAR SWAP	0	26.58	-99.4%	0.3	-47.4%	0	18	-98.7%
GASOIL CRACK SPREAD CALEN	0	208.42	-100.0%	0	-	0	144	-100.0%
GASOIL MINI CALENDAR SWAP	16	27.42	-40.3%	16.25	0.7%	16	22	-25.5%
GERMAN POWER BASELOAD CAL M	0	0	-	0	-	0	0	-
GRP THREE ULSD(PLT)VS HEA	225	400.79	-43.8%	152	48.2%	188	286	-34.3%
GRP THREE UNL GS (PLT) VS	134	158.95	-15.4%	205	-34.4%	171	146	16.7%
GULF COAST 3% FUEL OIL BA	0	13.16	-100.0%	0	-	0	6	-100.0%
GULF COAST JET VS NYM 2 H	336	674	-50.1%	387.35	-13.1%	363	1,006	-63.9%
GULF COAST NO.6 FUEL OIL	1,158	683.47	69.5%	1,029.1	12.6%	1,092	712	53.4%
GULF COAST ULSD CALENDAR	3	0	-	9.5	-66.8%	6	6	12.1%
GULF COAST ULSD CRACK SPR	0	0	-	0	-	0	0	-
HEATING OIL BALMO CLNDR S	5	23.21	-79.8%	36.95	-87.3%	21	38	-44.6%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-	0	0	-
HEATING OIL PHY	158,734	223,034.53	-28.8%	169,564.35	-6.4%	164,288	222,434	-26.1%
HENRY HUB SWAP	2,200	1,570.68	40.1%	1,738.05	26.6%	1,963	1,373	43.0%
HTG OIL	0	0	-	0	-	0	0	-
ICE BRENT DUBAI SWAP	0	38.42	-100.0%	0	-	0	37	-100.0%
INDONESIAN COAL ICI4	0	0	-	0	-	0	0	-
JAPAN C&F NAPHTHA CRACK S	0	0	-	0	-	0	0	-
JAPAN C&F NAPHTHA SWAP	6	6.95	-7.6%	5.25	22.3%	6	5	18.2%
JAPAN NAPHTHA BALMO SWAP	0	0	-	0.2	110.6%	0	0	-
JET CIF NWE VS ICE	5	19.89	-74.6%	2.85	77.3%	4	19	-79.4%
JET FUEL UP-DOWN BALMO CL	93	201.74	-54.0%	59.3	56.5%	76	158	-52.1%
JKM LNG Futures	0	8.58	-100.0%	0	-	0	4	-100.0%
LA CARB DIESEL (OPIS) SWA	8	1.32	500.0%	42.75	-81.5%	26	31	-17.4%
LA CARBOB GASOLINE(OPIS)S	0	0	-	11.25	-100.0%	6	0	-
LA JET (OPIS) SWAP	26	27.63	-4.8%	30.25	-13.0%	28	40	-28.7%
LLS (ARGUS) VS WTI SWAP	31	1.74	1687.9%	0	-	15	1	1687.8%
LTD NAT GAS	19,802	18,032.21	9.8%	20,013.9	-1.1%	19,910	18,358	8.5%
MARS (ARGUS) VS WTI SWAP	0	15.79	-100.0%	0	-	0	26	-100.0%
MARS (ARGUS) VS WTI TRD M	1,078	617.53	74.5%	1,658.5	-35.0%	1,376	747	84.2%
MCCLOSKEY ARA ARGS COAL	122	430.68	-71.7%	41	197.0%	80	347	-76.8%
MCCLOSKEY RCH BAY COAL	0	19.21	-100.0%	0	-	0	22	-100.0%
MINI GAS EUROBOB OXY NWE ARG	1	1.21	-56.5%	0.5	5.3%	1	1	-58.3%
MINI RBOB V. EBOBARG NWE BRGS	0	0	-	0	-	0	0	-
MINI RBOB V. EBOB(ARGUS) NWE B	12	9.74	27.6%	9.75	27.4%	11	16	-29.5%
MINY HTG OIL	1	0.42	50.0%	0.65	-2.8%	1	0	78.6%
MINY NATURAL GAS	16,290	11,847.63	37.5%	21,655.4	-24.8%	19,042	10,908	74.6%
MINY RBOB GAS	1	0.42	37.5%	0.8	-27.6%	1	0	58.8%
MINY WTI CRUDE OIL	13,943	33,089.68	-57.9%	17,123.95	-18.6%	15,574	27,345	-43.0%
MJC FUT	0	0	-	0	-	0	0	-
MNC FUT	67	102.68	-34.4%	63.65	5.8%	65	97	-32.3%
MONT BELVIEU ETHANE 5 DECIMAL	1,500	1,507.16	-0.5%	2,416.4	-37.9%	1,970	1,714	15.0%
MONT BELVIEU ETHANE OPIS BALM	27	69.47	-61.0%	107.75	-74.8%	68	65	5.9%

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	ADV FEB 2023	ADV FEB 2022	% CHG	ADV JAN 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Energy Futures								
MONT BELVIEU LDH PROPANE 5 DE	9,583	9,983.89	-4.0%	12,863.4	-25.5%	11,265	9,347	20.5%
MONT BELVIEU LDH PROPANE OPIS	113	284.63	-60.3%	112.85	0.0%	113	246	-54.1%
MONT BELVIEU NATURAL GASOLIN	1,216	750	62.2%	873.8	39.2%	1,041	800	30.0%
MONT BELVIEU NATURAL GASOLIN	66	18.42	258.6%	78.8	-16.2%	73	36	101.5%
MONT BELVIEU NORMAL BUTANE 5	2,480	2,660.37	-6.8%	3,158.6	-21.5%	2,828	2,498	13.2%
MONT BELVIEU NORMAL BUTANE B	22	108.74	-79.6%	69.85	-68.2%	47	110	-57.4%
NATURAL GAS	11,089	9,208.58	20.4%	9,163.05	21.0%	10,101	9,004	12.2%
NATURAL GAS PEN SWP	1,186	3,548.95	-66.6%	1,321.85	-10.3%	1,256	2,835	-55.7%
NATURAL GAS PHY	495,967	455,273.95	8.9%	390,855.55	26.9%	442,064	429,818	2.8%
NEPOOL INTR HUB 5MW D AH	0	0	-	0	-	0	0	-
NEW ENGLAND HUB PEAK DAIL	0	0	-	0	-	0	0	-
NEW YORK ETHANOL SWAP	33	41.32	-19.7%	21.75	52.5%	27	28	-1.8%
NEW YORK HUB ZONE G PEAK	0	0	-	0	-	0	0	-
N ILLINOIS HUB DAILY	0	0	-	0	-	0	0	-
NY1% VS GC SPREAD SWAP	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	51	32.79	55.7%	42.6	19.8%	47	43	8.6%
NY HARBOR LOW SULPUR GAS 100C	0	0	-	0	-	0	0	-
NY HARBOR RESIDUAL FUEL 1	7	3.95	66.7%	8.75	-24.8%	8	6	33.3%
NYH NO 2 CRACK SPREAD CAL	168	92.58	81.8%	40.25	318.2%	103	69	49.7%
NYISO ZONE G 5MW D AH PK	0	0	-	0	-	0	0	-
NY ULSD (ARGUS) VS HEATING OIL	18	22.37	-17.6%	15.75	17.0%	17	33	-47.8%
PETROCHEMICALS	180	145.16	23.7%	249.75	-28.1%	216	172	25.3%
PETRO CRCKS & SPRDS ASIA	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	763	836.05	-8.7%	965.4	-21.0%	867	1,161	-25.4%
PETRO CRK&SPRD EURO	24	50.58	-53.1%	25.85	-8.2%	25	61	-59.0%
PETROLEUM PRODUCTS	170	106.58	59.7%	109.3	55.7%	139	148	-6.1%
PETROLEUM PRODUCTS ASIA	29	71.74	-58.9%	21.2	39.0%	25	65	-61.1%
PETRO OUTRIGHT EURO	345	715.74	-51.8%	494.65	-30.2%	422	613	-31.2%
PETRO OUTRIGHT NA	61	535.21	-88.5%	123.75	-50.5%	93	408	-77.2%
PJM AD HUB 5MW REAL TIME	0	0	-	0	-	0	0	-
PJM DAILY	0	0	-	0	-	0	0	-
PJM NI HUB 5MW REAL TIME	0	0	-	0	-	0	0	-
PJM WESTH RT OFF-PEAK	0	0	-	0	-	0	0	-
PJM WESTH RT PEAK	0	0	-	0	-	0	0	-
PLASTICS	27	47.89	-44.6%	53.15	-50.1%	40	51	-21.5%
PREMIUM UNLD 10P FOB MED	0	0	-	0	-	0	0	-
PROPANE NON-LDH MB (OPIS) BAL	63	106.68	-40.7%	53.25	18.8%	58	103	-43.6%
PROPANE NON-LDH MT. BEL (OPIS)	1,023	741.53	38.0%	912.9	12.1%	967	767	26.0%
RBOB CALENDAR SWAP	257	319.05	-19.5%	411	-37.5%	336	323	3.8%
RBOB CRACK SPREAD	34	111.32	-69.5%	58	-41.5%	46	130	-64.3%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-	0	0	-
RBOB GAS	0	0	-	0	-	0	0	-
RBOB GASOLINE BALMO CLNDR	17	37.74	-56.2%	77.25	-78.6%	48	79	-39.9%
RBOB PHY	163,724	232,706.79	-29.6%	158,992.6	3.0%	161,298	209,468	-23.0%
RBOB VS HEATING OIL SWAP	0	0	-	1.5	-100.0%	1	8	-90.5%
SINGAPORE 180CST BALMO	0	0	-	0.15	-100.0%	0	0	-
SINGAPORE 380CST BALMO	0	0	-	0	-	0	0	-
SINGAPORE 380CST FUEL OIL	3	11.58	-70.0%	5.3	-34.5%	4	16	-73.0%

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Energy Futures								
SINGAPORE FUEL 180CST CAL	0	0	-	0	-	0	0	-
SINGAPORE FUEL OIL 180 CS	0	0	-	0	-	0	0	-
SINGAPORE FUEL OIL SPREAD	0	0	-	0.9	-100.0%	0	0	-
SINGAPORE GASOIL	87	36.26	140.6%	24.7	253.3%	55	39	40.7%
SINGAPORE GASOIL CALENDAR	3	17.05	-83.3%	1	184.2%	2	15	-87.0%
SINGAPORE GASOIL SWAP	37	30.95	19.0%	57	-35.4%	47	34	40.5%
SINGAPORE GASOIL VS ICE	1	54.47	-98.0%	0	-	1	74	-99.3%
SINGAPORE JET KERO GASOIL	0	58.42	-100.0%	0	-	0	71	-100.0%
SINGAPORE JET KEROSENE SW	0	5.26	-100.0%	0	-	0	5	-100.0%
SINGAPORE MOGAS 92 UNLEADED	0	0	-	0	-	0	0	-
SINGAPORE MOGAS 92 UNLEADED	0	0	-	1.25	-100.0%	1	8	-91.7%
TC2 ROTTERDAM TO USAC 37K	0	6.53	-100.0%	0	-	0	6	-100.0%
TC5 RAS TANURA TO YOKOHAM	0	0	-	0	-	0	0	-
TD3 MEG TO JAPAN 250K MT	0	58.68	-100.0%	0	-	0	136	-100.0%
ULSD UP-DOWN BALMO SWP	234	606.68	-61.4%	389.45	-39.9%	314	487	-35.6%
UP DOWN GC ULSD VS NMX HO	1,435	2,041.79	-29.7%	1,201.35	19.5%	1,315	2,160	-39.1%
WTI-BRENT CALENDAR SWAP	2,252	2,850.26	-21.0%	2,145.2	5.0%	2,197	2,715	-19.1%
WTI CALENDAR	2,908	3,002.95	-3.2%	3,216.95	-9.6%	3,066	3,067	0.0%
WTI MIDLAND CRUDE OIL	0	0	-	0	-	0	0	-
WTS (ARGUS) VS WTI SWAP	162	120.68	34.5%	5.25	2992.7%	82	86	-4.6%
WTS (ARGUS) VS WTI TRD MT	0	56.84	-100.0%	2.25	-100.0%	1	93	-98.8%

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Energy Options								
BRENT CALENDAR SWAP	12	0.79	1473.3%	9	38.0%	11	59	-82.0%
BRENT CRUDE OIL 1 M CSO	0	250	-100.0%	0	-	0	127	-100.0%
BRENT OIL LAST DAY	575	1,052.63	-45.4%	1,057.7	-45.6%	822	1,281	-35.8%
COAL API2 INDEX	3	12.11	-78.3%	0.75	250.9%	2	7	-75.9%
CRUDE OIL 1MO	1,800	6,890.37	-73.9%	2,682.5	-32.9%	2,253	6,004	-62.5%
CRUDE OIL APO	771	743.58	3.6%	1,221.9	-36.9%	1,002	1,280	-21.7%
CRUDE OIL OUTRIGHTS	593	0	-	217.75	172.3%	401	0	-
CRUDE OIL PHY	114,974	160,776.21	-28.5%	101,702.45	13.0%	108,168	148,579	-27.2%
ELEC FINSETTLED	0	0	-	0	-	0	0	-
ETHANOL SWAP	53	234.11	-77.4%	132	-59.9%	93	177	-47.2%
FREIGHT MARKETS	0	1.58	-100.0%	0	-	0	1	-100.0%
HEATING OIL CRK SPD AVG PRICE	0	0	-	0	-	0	0	-
HEATING OIL PHY	943	1,006.05	-6.3%	716	31.7%	827	1,005	-17.7%
HENRY HUB FINANCIAL LAST	953	209.63	354.6%	1,062.1	-10.3%	1,009	349	189.3%
HO 1 MONTH CLNDR OPTIONS	116	0	-	45	157.3%	79	12	588.9%
LLS CRUDE OIL	0	0	-	90	-100.0%	46	31	50.0%
MCCLOSKEY ARA ARGS COAL	0	0	-	0	-	0	0	-
NATURAL GAS	5	154.74	-96.6%	0	-	3	80	-96.8%
NATURAL GAS 1 M CSO FIN	4,998	13,000.53	-61.6%	5,837.5	-14.4%	5,428	10,546	-48.5%
NATURAL GAS 2 M CSO FIN	0	0	-	0	-	0	0	-
NATURAL GAS 3 M CSO FIN	3,079	1,813.16	69.8%	285	980.3%	1,646	1,435	14.7%
NATURAL GAS 5 M CSO FIN	79	1,047.37	-92.5%	0	-	38	587	-93.4%
NATURAL GAS 6 M CSO FIN	1,179	1,605.26	-26.6%	1,248.75	-5.6%	1,215	1,251	-2.9%
NATURAL GAS OPT	0	44.74	-100.0%	0	-	0	22	-100.0%
NATURAL GAS OPTION ON CALEND	0	0	-	0	-	0	15	-100.0%
NATURAL GAS PHY	135,615	127,759.95	6.1%	110,556.8	22.7%	122,765	113,252	8.4%
NY HARBOR HEAT OIL SWP	43	107.58	-59.8%	50.2	-13.8%	47	98	-52.2%
PETROCHEMICALS	3	10.11	-75.0%	13.5	-81.3%	8	5	65.6%
PETRO OUTRIGHT NA	0	3.16	-100.0%	0	-	0	8	-100.0%
PJM WES HUB PEAK CAL MTH	0	0	-	0	-	0	0	-
RBOB 1MO CAL SPD OPTIONS	0	0	-	0	-	0	0	-
RBOB CALENDAR SWAP	0	4.63	-100.0%	0	-	0	2	-100.0%
RBOB PHY	149	164.32	-9.4%	60.6	145.8%	104	202	-48.7%
SHORT TERM	0	10.53	-100.0%	12.5	-100.0%	6	10	-37.5%
SHORT TERM NATURAL GAS	29	5.26	450.0%	45	-35.7%	37	13	190.0%
WTI-BRENT BULLET SWAP	151	1,597.37	-90.5%	981.25	-84.6%	577	1,671	-65.5%
WTI CRUDE OIL 1 M CSO FI	1,305	2,197.63	-40.6%	2,215	-41.1%	1,772	1,896	-6.6%

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Metals Futures								
ALUMINUM	3,636	1,470.11	147.4%	4,346.2	-16.3%	4,000	1,371	191.7%
COBALT METAL FUTURES	144	46.79	208.0%	256.35	-43.8%	202	30	564.8%
COMEX COPPER	133,058	106,441.63	25.0%	99,322.2	34.0%	115,758	94,885	22.0%
COMEX E-Mini GOLD	1,953	1,372.53	42.3%	2,214.75	-11.8%	2,087	1,435	45.4%
COMEX E-Mini SILVER	285	229.32	24.5%	371.65	-23.2%	330	215	53.2%
COMEX GOLD	192,066	219,020.63	-12.3%	264,462.7	-27.4%	229,193	256,967	-10.8%
COMEX MINY COPPER	342	203.74	67.9%	211.8	61.5%	275	179	53.9%
COMEX SILVER	85,903	84,298.84	1.9%	68,302.25	25.8%	76,877	74,125	3.7%
COPPER	5,976	203	2843.6%	5,624.05	6.3%	5,795	149	3800.9%
FERROUS PRODUCTS	96	151.95	-36.9%	67.35	42.3%	81	188	-56.9%
GOLD	12	793.47	-98.5%	0.3	3829.8%	6	661	-99.1%
HOT ROLLED COIL STEEL FUTURES	449	112.11	300.3%	514.65	-12.8%	483	83	483.2%
IRON ORE CHINA	18	58.74	-69.1%	20.5	-11.4%	19	81	-76.2%
METALS	89	8.26	977.1%	4.05	2097.5%	45	27	67.6%
MICRO GOLD	66,801	55,440	20.5%	62,637.8	6.6%	64,666	48,854	32.4%
NYMEX HOT ROLLED STEEL	2,256	1,047.16	115.4%	1,349.15	67.2%	1,791	1,232	45.3%
NYMEX PLATINUM	24,799	21,198.63	17.0%	19,401.8	27.8%	22,031	19,549	12.7%
PALLADIUM	5,383	4,344.16	23.9%	2,212.3	143.3%	3,757	3,264	15.1%
SILVER	10,828	8,510.47	27.2%	11,423.5	-5.2%	11,133	7,723	44.2%
URANIUM	0	0.05	-100.0%	0	-	0	0	-100.0%
Metals Options								
ALUMINUM	24	0	-	30.5	-21.5%	27	0	-
COMEX COPPER	9,001	3,923	129.4%	9,769.2	-7.9%	9,395	3,207	193.0%
COMEX GOLD	46,367	48,910.84	-5.2%	47,409.4	-2.2%	46,901	44,491	5.4%
COMEX SILVER	8,284	4,917.32	68.5%	7,935.15	4.4%	8,105	5,074	59.7%
COPPER	803	33.84	2271.4%	384.8	108.6%	588	21	2753.7%
GOLD	13,589	11,926.32	13.9%	14,166.75	-4.1%	13,885	9,975	39.2%
IRON ORE CHINA	0	0	-	0	-	0	0	-
NYMEX HOT ROLLED STEEL	214	109.47	95.9%	192.5	11.4%	203	122	66.5%
NYMEX PLATINUM	872	373.32	133.5%	113.45	668.5%	483	471	2.4%
PALLADIUM	76	1.11	6780.7%	26.05	191.9%	50	1	6453.6%
SILVER	1,618	1,196.21	35.3%	2,079.1	-22.2%	1,854	1,261	47.1%
Foreign Exchange Futures								
CHILEAN PESO	0	1.21	-100.0%	0.15	-100.0%	0	1	-87.0%

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Foreign Exchange Options								
AUD/USD WKLY WED OPTIONS - WK	1	88.21	-99.1%	23.95	-96.7%	13	49	-74.2%
OTC AUDUSD SUB	50	0	-	46.7	7.7%	48	0	-
OTC EURUSD SUB	272	0	-	51.3	430.9%	159	0	-
OTC GBPUSD SUB	114	0	-	81.7	39.6%	97	0	-
OTC USDCAD SUB	80	0	-	27.5	190.7%	53	0	-
OTC USDJPY SUB	56	0	-	42.85	30.6%	49	0	-
Ags Futures								
FERTILIZER PRODUCTS	114	231.26	-50.7%	97.85	16.6%	106	198	-46.6%

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Ag Products Futures								
BLOCK CHEESE	17	11.53	44.3%	8.55	94.5%	12	31	-60.2%
BUTTER CS	189	219.95	-14.1%	166.8	13.3%	178	295	-39.8%
CASH-SETTLED CHEESE	558	385.32	44.7%	580.65	-4.0%	569	533	6.8%
CATTLE	54,197	58,575.53	-7.5%	71,840.95	-24.6%	63,245	64,969	-2.7%
CDD SEASONAL STRIP	0	13.16	-100.0%	0	-	0	6	-100.0%
CDD WEATHER	0	0	-	0	-	0	0	-
CHI WHEAT	140,284	165,340.63	-15.2%	79,205.65	77.1%	108,962	130,451	-16.5%
CLASS IV MILK	31	137.74	-77.3%	51.7	-39.5%	42	183	-77.2%
CORN	381,001	487,130.32	-21.8%	284,066.5	34.1%	331,291	399,886	-17.2%
DJ_UBS ROLL SELECT INDEX FUTU	5	34.26	-85.9%	126.7	-96.2%	67	24	182.4%
DOW-UBS COMMOD INDEX	2,101	1,551.74	35.4%	1,929.5	8.9%	2,013	2,179	-7.6%
DRY WHEY	47	60.68	-22.5%	46.55	1.1%	47	58	-18.7%
FEEDER CATTLE	16,371	14,485.63	13.0%	13,618.4	20.2%	14,959	13,224	13.1%
GOLDMAN SACHS	124	175.11	-28.9%	134.15	-7.3%	129	173	-25.4%
GSCI EXCESS RETURN FUT	113	578.58	-80.5%	41.4	172.7%	76	364	-79.1%
HDD EURO SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD WEATHER	61	215.79	-72.0%	42.5	42.4%	51	205	-75.0%
HDD WEATHER EUROPEAN	0	77.63	-100.0%	375	-100.0%	192	83	132.6%
HOGS	45,018	48,870.11	-7.9%	50,795.4	-11.4%	47,981	52,403	-8.4%
HOUSING INDEX	1	0.63	91.7%	0.6	101.7%	1	1	20.7%
KC WHEAT	57,953	71,457.26	-18.9%	37,402.65	54.9%	47,414	59,646	-20.5%
LUMBER	654	533.58	22.5%	624.35	4.7%	639	474	34.8%
MALAYSIAN PALM SWAP	0	0	-	0	-	0	0	-
MILK	1,140	1,418.53	-19.7%	1,382	-17.5%	1,264	1,585	-20.3%
MINI CORN	990	3,437.84	-71.2%	1,107.15	-10.6%	1,050	2,912	-63.9%
MINI SOYBEAN	1,816	5,333.58	-65.9%	1,725.7	5.2%	1,770	4,118	-57.0%
MINI WHEAT	1,234	1,873.21	-34.1%	846.55	45.7%	1,035	1,483	-30.2%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	286	385.42	-25.9%	340.4	-16.1%	314	395	-20.6%
OATS	657	731.47	-10.2%	423.85	55.0%	537	625	-14.0%
OTC SP GSCI ER SWAP	1,709	0	-	25	6734.7%	1,548	0	-
PACIFIC RIM DAT SS WTHR	0	0	-	0	-	0	0	-
PORK CUTOOUT	63	132.95	-52.5%	52.35	20.7%	58	127	-54.7%
ROUGH RICE	1,366	1,362.68	0.3%	555.55	145.9%	951	1,001	-5.1%
SOYBEAN	283,787	336,397.53	-15.6%	206,993.6	37.1%	244,406	273,183	-10.5%
SOYBEAN MEAL	141,003	146,955.16	-4.1%	112,272.5	25.6%	126,269	129,879	-2.8%
SOYBEAN OIL	154,818	137,824.74	12.3%	115,502.4	34.0%	134,656	125,125	7.6%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-	0	0	-
USD CRUDE PALM OIL	1,573	858.89	83.2%	1,353.45	16.3%	1,461	923	58.3%
WHEAT	55	1,010.42	-94.5%	67.5	-18.1%	62	1,063	-94.2%
Ag Products Options								
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-	0	0	-
BLOCK CHEESE	9	3.68	132.9%	1.35	535.5%	5	9	-48.6%
BUTTER CS	80	29.05	176.8%	73.45	9.5%	77	81	-5.6%
CASH-SETTLED CHEESE	232	328.58	-29.5%	280.65	-17.4%	257	514	-50.0%

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	ADV FEB 2023	ADV FEB 2022	% CHG	ADV JAN 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Ag Products Options								
CATTLE	11,981	10,889.89	10.0%	10,515.05	13.9%	11,229	9,780	14.8%
CDD SEASONAL STRIP	947	26.32	3500.0%	0	-	462	13	3500.0%
CDD WEATHER	2,526	0	-	0	-	1,231	0	-
CHI WHEAT	37,145	42,670.53	-12.9%	21,087.7	76.1%	28,911	38,018	-24.0%
CLASS IV MILK	336	382.89	-12.3%	368.05	-8.8%	352	378	-6.7%
CORN	78,614	128,990.37	-39.1%	87,112.9	-9.8%	82,972	116,480	-28.8%
CORN NEARBY+2 CAL SPRD	774	887.63	-12.8%	820.9	-5.7%	798	1,367	-41.6%
DEC-JULY CORN CAL SPRD	0	63.16	-100.0%	0	-	0	31	-100.0%
DEC-JULY WHEAT CAL SPRD	12	0	-	0	-	6	0	-
DRY WHEY	0	1.11	-76.2%	1.15	-77.1%	1	1	33.3%
FEEDER CATTLE	2,502	1,812	38.1%	2,524.8	-0.9%	2,514	1,616	55.5%
HDD EURO SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD WEATHER	605	52.63	1050.0%	910	-33.5%	762	72	960.7%
HDD WEATHER EUROPEAN	526	52.63	900.0%	500	5.3%	513	26	1900.0%
HOGS	12,757	16,053.89	-20.5%	13,140.05	-2.9%	12,953	13,605	-4.8%
JAN-MAY SOYBEAN CAL SPRD	0	0	-	0	-	0	0	-
JULY-DEC CORN CAL SPRD	433	639.58	-32.4%	327.4	32.1%	379	539	-29.8%
JULY-DEC SOYMEAL CAL SPRD	0	0	-	0	-	0	0	-
JULY-DEC SOY OIL CAL SPRD	0	0	-	82.5	-100.0%	42	0	-
JULY-DEC WHEAT CAL SPRD	0	105.26	-100.0%	0	-	0	51	-100.0%
JULY-JULY WHEAT CAL SPRD	0	0	-	0	-	0	0	-
JULY-NOV SOYBEAN CAL SPRD	602	228.21	163.7%	568.55	5.8%	585	260	125.2%
KC WHEAT	2,896	5,494.84	-47.3%	2,470.8	17.2%	2,678	5,646	-52.6%
LUMBER	12	27.21	-55.3%	16.6	-26.8%	14	33	-55.7%
LV CATL CSO	0	0	-	1.25	-78.9%	1	0	-
MAR-JULY CORN CAL SPRD	198	181.58	9.3%	293.05	-32.3%	247	246	0.6%
MAR-JULY SOYBEAN CAL SPRD	0	0	-	1.5	-100.0%	1	0	-
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-	0	4	-100.0%
MILK	968	677.26	42.9%	1,151.35	-15.9%	1,062	897	18.3%
MLK MID OPTIONS	0	0.63	-50.0%	0.15	110.5%	0	0	-35.7%
NFD MILK	270	215.37	25.3%	253.2	6.6%	261	257	1.6%
NOV-JULY SOYBEAN CAL SPRD	0	31.58	-100.0%	0	-	0	15	-100.0%
NOV-MAR SOYBEAN CSO	1	0	-	0	-	0	0	-
OATS	9	15	-42.1%	6.8	27.7%	8	12	-37.4%
PORK CUTOUT	0	0	-	0.1	-100.0%	0	0	-
ROUGH RICE	145	70.58	105.0%	63.7	127.1%	103	45	130.1%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-	0	0	-
SOYBEAN	49,425	132,886.32	-62.8%	56,298.3	-12.2%	52,950	108,629	-51.3%
SOYBEAN CRUSH	0	0	-	0.25	-100.0%	0	1	-76.2%
SOYBEAN MEAL	18,983	19,302.05	-1.7%	15,965.9	18.9%	17,436	16,559	5.3%
SOYBEAN OIL	14,961	13,651.37	9.6%	9,072.35	64.9%	11,941	13,269	-10.0%
SOYBN NEARBY+2 CAL SPRD	26	226.32	-88.4%	196.75	-86.6%	114	110	3.1%
SOYMEAL NEARBY+2 CAL SPRD	54	0	-	60	-9.6%	57	0	-
SOY OIL NEARBY+2 CAL SPRD	4	0	-	1.25	215.8%	3	0	-
WHEAT	130	43.26	200.6%	49.85	160.9%	89	29	206.4%
WHEAT-CORN ICSSO	11	0	-	0	-	5	1	900.0%
WHEAT NEARBY+2 CAL SPRD	52	148.79	-64.9%	98.65	-47.1%	76	75	1.3%

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	ADV FEB 2023	ADV FEB 2022	% CHG	ADV JAN 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
TOTAL FUTURES GROUP								
Interest Rate Futures	12,247,213	12,332,049.79	-0.7%	7,322,991.25	67.2%	9,721,971	10,210,644	-4.8%
Equity Index Futures	5,624,931	6,848,250.68	-17.9%	5,475,454.3	2.7%	5,548,276	7,120,134	-22.1%
Metals Futures	534,095	504,951.58	5.8%	542,743.35	-1.6%	538,530	511,020	5.4%
Energy Futures	1,835,256	2,490,284.53	-26.3%	1,800,432.85	1.9%	1,817,398	2,285,263	-20.5%
FX Futures	806,192	831,951.53	-3.1%	772,282.35	4.4%	788,803	782,081	0.9%
Foreign Exchange Futures	0	1.21	-100.0%	0.15	-100.0%	0	1	-87.0%
Ags Futures	114	231.26	-50.7%	97.85	16.6%	106	198	-46.6%
Ag Products Futures	1,289,220	1,487,577.58	-13.3%	983,706	31.1%	1,133,249	1,267,610	-10.6%
TOTAL FUTURES	22,337,020	24,495,298.16	-8.8%	16,897,708.1	32.2%	19,548,332.51	22,176,950.72	-11.9%
TOTAL OPTIONS GROUP								
Interest Rate Options	3,949,925	2,602,788.95	51.8%	3,020,927.55	30.8%	3,473,516	2,619,079	32.6%
Equity Index Options	1,316,194	1,219,823	7.9%	1,213,980.55	8.4%	1,263,777	1,286,965	-1.8%
Metals Options	80,848	71,391.42	13.2%	82,106.9	-1.5%	81,493	64,622	26.1%
Energy Options	267,427	320,703.37	-16.6%	230,243.25	16.1%	248,358	290,004	-14.4%
FX Options	40,418	43,734.53	-7.6%	34,256.8	18.0%	37,259	43,960	-15.2%
Ag Products Options	238,225	376,189.58	-36.7%	224,316.3	6.2%	231,092	328,669	-29.7%
Foreign Exchange Options	573	88.21	550.1%	274	109.3%	420	49	755.5%
TOTAL OPTIONS	5,893,610	4,634,719.05	27.2%	4,806,105.35	22.6%	5,335,915.2	4,633,347.77	15.2%
TOTAL COMBINED								
FX	846,611	875,686.05	-3.3%	806,539.15	5.0%	826,061	826,041	0.0%
Equity Index	6,941,125	8,068,073.68	-14.0%	6,689,434.85	3.8%	6,812,053	8,407,099	-19.0%
Interest Rate	16,197,137	14,934,838.74	8.5%	10,343,918.8	56.6%	13,195,487	12,829,722	2.9%
Energy	2,102,682	2,810,987.89	-25.2%	2,030,676.1	3.5%	2,065,756	2,575,268	-19.8%
Metals	614,943	576,343	6.7%	624,850.25	-1.6%	620,024	575,642	7.7%
Foreign Exchange	573	89.42	541.3%	274.15	109.2%	420	50	745.5%
Ags	114	231.26	-50.7%	97.85	16.6%	106	198	-46.6%
Ag Products	1,527,445	1,863,767.16	-18.0%	1,208,022.3	26.4%	1,364,341	1,596,278	-14.5%
GRAND TOTAL	28,230,630	29,130,017.21	-3.1%	21,703,813.45	30.1%	24,884,247.72	26,810,298.49	-7.2%

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