

CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Interest Rate Futures												
10-YR NOTE	181,752	178,946	1.6%	55,127,143	51,679,216	6.67%	633,909	667,706	-5.1%	184,673,581	192,264,966	-3.9%
10-YR SWAP RATE	0	0	0.0%	27,031	22,333	21.04%	0	0	0.0%	176,293	210,850	-16.4%
15-YR SWAP RATE	0	-	-	0	-	-	0	-	-	0	-	-
1-MONTH EURODOLLAR	0	0	0.0%	31	8,024	-99.61%	0	0	0.0%	151	22,135	-99.3%
20-YR SWAP RATE	0	-	-	0	-	-	0	-	-	46	-	-
2-YR NOTE	6,238	3,999	56.0%	23,751,976	16,977,290	39.90%	15,164	15,407	-1.6%	68,792,734	58,184,258	18.2%
2-YR SWAP RATE	0	-	-	39,413	-	-	0	-	-	179,168	-	-
30-YR BOND	23,773	19,932	19.3%	9,538,134	9,811,391	-2.79%	95,204	99,619	-4.4%	35,194,394	38,333,989	-8.2%
30-YR SWAP RATE	0	0	0.0%	636	28	2,171.43%	0	0	0.0%	3,416	929	267.7%
3-YR SWAP RATE	0	-	-	8,986	-	-	0	-	-	46,415	-	-
4-YR SWAP RATE	0	-	-	28,369	-	-	0	-	-	60,229	-	-
5-YR NOTE	31,017	34,733	-10.7%	36,993,347	35,194,892	5.11%	163,263	157,158	3.9%	119,713,875	121,037,789	-1.1%
5-YR SWAP RATE	0	0	0.0%	73,185	9,979	633.39%	0	0	0.0%	295,819	124,146	138.3%
7-YR SWAP RATE	0	-	-	7,391	-	-	0	-	-	21,775	-	-
EURODOLLARS	990,004	801,762	23.5%	71,367,712	66,839,368	6.77%	3,866,838	4,767,702	-18.9%	292,149,331	359,158,152	-18.7%
FED FUND	0	0	0.0%	9,212,525	7,278,569	26.57%	0	0	0.0%	31,689,381	28,959,274	9.4%
SOFR	0	0	0.0%	677,757	33,631	1,915.27%	0	0	0.0%	2,866,126	33,631	8,422.3%
SONIA	0	-	-	189,522	-	-	0	-	-	840,559	-	-
Ultra 10-Year Note	0	0	0.0%	6,947,921	5,513,741	26.01%	0	0	0.0%	21,844,657	19,929,428	9.6%
ULTRA T-BOND	0	0	0.0%	6,531,478	5,569,539	17.27%	66	230	-71.3%	19,448,626	18,559,183	4.8%
Interest Rate Options												
10-YR NOTE	3,327,715	2,550,475	30.5%	12,707,110	12,455,992	2.02%	11,925,615	11,287,277	5.7%	53,184,670	55,659,373	-4.4%
2-YR NOTE	232,005	112,953	105.4%	462,999	616,808	-24.94%	754,896	699,944	7.9%	1,740,635	1,913,812	-9.0%
30-YR BOND	421,496	295,534	42.6%	3,167,653	2,474,970	27.99%	1,624,793	1,581,048	2.8%	12,280,611	12,246,309	0.3%
5-YR NOTE	1,264,306	948,875	33.2%	4,951,261	2,762,977	79.20%	4,496,464	3,539,539	27.0%	18,047,064	13,868,673	30.1%
EURODOLLARS	15,798,702	7,623,074	107.2%	8,956,827	3,483,783	157.10%	64,922,954	52,577,304	23.5%	33,096,095	24,952,350	32.6%
EURO MIDCURVE	9,905,948	9,056,383	9.4%	8,671,929	4,955,918	74.98%	39,215,569	52,930,113	-25.9%	31,207,949	30,137,033	3.6%
FED FUND	0	0	0.0%	0	7,300	-100.00%	250	1,750	-85.7%	202	15,267	-98.7%
Ultra 10-Year Note	4,331	0	0.0%	0	0	0.00%	10,288	0	0.0%	5,328	28	18,928.6%
ULTRA T-BOND	25,738	9,817	162.2%	877	4,645	-81.12%	66,305	25,138	163.8%	8,407	13,762	-38.9%

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Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	299,290	86,414	246.34%	0	0	0.0%	773,860	278,021	178.3%
DJ US REAL ESTATE	0	0	0.0%	13,504	18,731	-27.91%	0	0	0.0%	113,671	101,783	11.7%
E-mini (\$5) Dow	0	0	0.0%	5,883,586	4,401,501	33.67%	0	0	0.0%	22,699,112	26,965,289	-15.8%
E-MINI COM SERVICES SELEC	0	-	-	1,357	-	-	0	-	-	14,644	-	-
E-mini FTSE 100 (USD)	0	0	0.0%	0	1,399	-100.00%	0	0	0.0%	336	8,985	-96.3%
E-mini FTSE China 50	0	0	0.0%	2	945	-99.79%	0	0	0.0%	698	6,603	-89.4%
E-MINI MIDCAP	0	0	0.0%	306,263	287,999	6.34%	0	0	0.0%	1,612,854	1,876,508	-14.1%
E-MINI NASDAQ 100	0	0	0.0%	12,780,507	7,654,322	66.97%	0	0	0.0%	50,136,269	46,736,199	7.3%
E-MINI RUSSELL 1000	0	0	0.0%	6,932	5,630	23.13%	0	0	0.0%	18,546	42,044	-55.9%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	4,874	5,782	-15.70%	0	0	0.0%	14,426	38,162	-62.2%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	4,695	6,718	-30.11%	0	0	0.0%	35,310	40,358	-12.5%
E-MINI RUSSELL 2000	0	0	0.0%	3,196,380	2,184,882	46.30%	0	0	0.0%	14,250,813	13,237,862	7.7%
E-MINI S&P500	0	0	0.0%	41,691,362	28,689,892	45.32%	0	0	0.0%	163,039,602	182,211,183	-10.5%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,017	1,835	9.92%	0	0	0.0%	13,575	17,070	-20.5%
FT-SE 100	0	0	0.0%	0	845	-100.00%	0	0	0.0%	372	7,191	-94.8%
FTSE Emerging	0	0	0.0%	2,420	110	2,100.00%	0	0	0.0%	11,693	622	1,779.9%
IBOVESPA INDEX	0	0	0.0%	209	524	-60.11%	0	0	0.0%	3,149	5,493	-42.7%
MICRO E-MINI NASDAQ 100	0	-	-	2,994,347	-	-	0	-	-	2,994,347	-	-
MICRO E-MINI RUSSELL 2000	0	-	-	543,257	-	-	0	-	-	543,257	-	-
MICRO E-MINI S&P500	0	-	-	4,818,422	-	-	0	-	-	4,818,422	-	-
MICRO MINI \$5 DOW	0	-	-	943,066	-	-	0	-	-	943,066	-	-
NASDAQ BIOTECH	0	0	0.0%	599	0	0.00%	0	0	0.0%	1,338	0	0.0%
NIFTY 50	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	54,444	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	257,193	203,372	26.46%	0	0	0.0%	1,071,247	1,864,596	-42.5%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	979,237	701,637	39.56%	228	0	0.0%	3,704,696	4,937,537	-25.0%
S&P 500	6,738	23,388	-71.2%	2,430	5,573	-56.40%	89,925	196,622	-54.3%	7,937	31,750	-75.0%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	12,329	6,277	96.42%	0	0	0.0%	47,225	20,628	128.9%
S&P 500/GI	0	0	0.0%	0	0	0.00%	0	0	0.0%	20	26	-23.1%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	20	280	-92.86%	0	0	0.0%	521	442	17.9%
S&P 600 SMALLCAP EMINI	0	-	-	0	-	-	0	-	-	0	-	-
S&P CONSUMER DSCRTNRY S	0	0	0.0%	5,813	10,125	-42.59%	0	0	0.0%	35,872	67,582	-46.9%
S&P CONSUMER STAPLES SE	0	0	0.0%	6,671	4,617	44.49%	0	0	0.0%	48,385	54,637	-11.4%
S&P ENERGY SECTOR	0	0	0.0%	7,039	19,281	-63.49%	0	0	0.0%	59,417	89,263	-33.4%

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Equity Index Futures												
S&P FINANCIAL SECTOR	0	0	0.0%	17,423	16,496	5.62%	0	0	0.0%	79,689	128,125	-37.8%
S&P HEALTH CARE SECTOR	0	0	0.0%	6,446	9,348	-31.04%	0	0	0.0%	52,046	58,778	-11.5%
S&P INDUSTRIAL SECTOR	0	0	0.0%	5,941	9,169	-35.21%	0	0	0.0%	40,556	56,228	-27.9%
S&P MATERIALS SECTOR	0	0	0.0%	5,409	2,552	111.95%	0	0	0.0%	31,661	32,921	-3.8%
S&P TECHNOLOGY SECTOR	0	0	0.0%	8,441	16,570	-49.06%	0	0	0.0%	53,334	89,555	-40.4%
S&P UTILITIES SECTOR	0	0	0.0%	13,035	13,553	-3.82%	0	0	0.0%	84,861	95,277	-10.9%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	24	28	-14.3%
YEN DENOMINATED TOPIX	0	0	0.0%	31,706	374	8,377.54%	0	0	0.0%	82,844	1,431	5,689.2%
Equity Index Options												
E-mini (\$5) Dow	0	0	0.0%	3,618	8,921	-59.44%	0	0	0.0%	23,502	56,878	-58.7%
E-MINI NASDAQ 100	0	0	0.0%	248,407	174,092	42.69%	0	0	0.0%	1,032,240	1,300,135	-20.6%
E-MINI RUSSELL 2000	0	0	0.0%	18,583	11,153	66.62%	0	0	0.0%	60,080	74,996	-19.9%
E-MINI S&P500	0	0	0.0%	7,224,771	5,149,820	40.29%	345	4,955	-93.0%	24,012,168	32,698,057	-26.6%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	14,138	3,712	280.87%	0	0	0.0%	40,810	32,042	27.4%
EOM EMINI S&P	0	0	0.0%	2,859,243	1,558,179	83.50%	0	0	0.0%	9,359,478	13,989,710	-33.1%
EOM S&P 500	140,263	74,730	87.7%	0	0	0.00%	641,771	1,070,459	-40.0%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	2,092	1,594	31.24%	0	0	0.0%	7,456	12,557	-40.6%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,946	3,823	-49.10%	0	0	0.0%	7,245	17,969	-59.7%
EOW1 EMINI S&P 500	0	0	0.0%	1,242,920	1,087,829	14.26%	0	0	0.0%	4,371,057	6,049,230	-27.7%
EOW1 S&P 500	22,861	93,341	-75.5%	0	0	0.00%	283,284	369,178	-23.3%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	7,404	6,280	17.90%	0	0	0.0%	17,640	29,509	-40.2%
EOW2 EMINI S&P 500	0	0	0.0%	1,647,803	995,742	65.48%	0	0	0.0%	5,050,602	7,546,250	-33.1%
EOW2 S&P 500	141,810	119,958	18.2%	0	0	0.00%	676,222	763,105	-11.4%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	15,282	16,304	-6.27%	0	0	0.0%	53,703	127,195	-57.8%
EOW3 EMINI S&P 500	0	0	0.0%	2,760,389	2,220,806	24.30%	0	0	0.0%	12,029,713	21,281,497	-43.5%
EOW3 S&P 500	117,967	197,273	-40.2%	0	0	0.00%	684,763	1,905,737	-64.1%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	5,318	3,417	55.63%	0	0	0.0%	17,280	36,599	-52.8%
EOW4 EMINI S&P 500	0	0	0.0%	1,109,508	789,320	40.57%	0	0	0.0%	4,802,087	6,676,361	-28.1%
S&P 500	198,571	230,608	-13.9%	0	0	0.00%	1,125,292	1,619,733	-30.5%	0	0	0.0%

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Metals Futures												
ALUMINUM	0	0	0.0%	777	804	-3.36%	0	0	0.0%	3,857	4,038	-4.5%
COMEX COPPER	0	0	0.0%	2,067,835	2,535,731	-18.45%	0	0	0.0%	10,427,658	13,786,712	-24.4%
COMEX E-Mini GOLD	0	0	0.0%	14,787	6,960	112.46%	0	0	0.0%	43,533	35,505	22.6%
COMEX E-Mini SILVER	0	0	0.0%	5,823	898	548.44%	0	0	0.0%	16,503	5,857	181.8%
COMEX GOLD	0	0	0.0%	6,927,853	8,367,130	-17.20%	0	0	0.0%	28,266,724	37,232,947	-24.1%
COMEX MINY COPPER	0	0	0.0%	435	363	19.83%	0	0	0.0%	2,887	2,762	4.5%
COMEX SILVER	0	0	0.0%	1,447,190	1,658,041	-12.72%	0	0	0.0%	7,912,443	10,210,927	-22.5%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
E-MICRO GOLD	0	0	0.0%	174,099	148,719	17.07%	0	0	0.0%	977,690	667,871	46.4%
FERROUS PRODUCTS	0	0	0.0%	666	21	3,071.43%	0	0	0.0%	2,967	67	4,328.4%
GOLD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
Gold Kilo	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	136	-100.0%
IRON ORE 62 CHINA PLATTS F	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI FUTU	0	0	0.0%	0	33	-100.00%	0	0	0.0%	28	59	-52.5%
LNDN ZINC	0	0	0.0%	108	137	-21.17%	0	0	0.0%	1,194	177	574.6%
NYMEX HOT ROLLED STEEL	0	0	0.0%	6,447	3,628	77.70%	0	0	0.0%	19,660	15,653	25.6%
NYMEX PLATINUM	0	0	0.0%	394,386	378,641	4.16%	0	0	0.0%	2,106,826	2,112,649	-0.3%
PALLADIUM	0	0	0.0%	124,788	123,276	1.23%	0	0	0.0%	575,712	610,676	-5.7%
SILVER	0	0	0.0%	14,325	5,546	158.29%	0	0	0.0%	76,926	34,814	121.0%
URANIUM	0	0	0.0%	54	0	0.00%	0	0	0.0%	361	79	357.0%

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Metals Options												
COMEX COPPER	0	0	0.0%	38,755	12,674	205.78%	0	0	0.0%	202,688	71,797	182.3%
COMEX GOLD	0	0	0.0%	867,456	788,716	9.98%	0	0	0.0%	3,778,108	3,831,784	-1.4%
COMEX SILVER	0	0	0.0%	110,521	121,941	-9.37%	0	0	0.0%	522,871	634,586	-17.6%
COPPER	0	0	0.0%	288	11	2,518.18%	0	0	0.0%	504	11	4,481.8%
GOLD	0	0	0.0%	102,123	37,558	171.91%	0	0	0.0%	394,880	169,802	132.6%
HOT ROLLED COIL STEEL CAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI CALL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI PUT O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX PLATINUM	0	0	0.0%	2,609	1,307	99.62%	0	0	0.0%	7,648	7,105	7.6%
PALLADIUM	0	0	0.0%	454	1,337	-66.04%	0	0	0.0%	2,949	8,967	-67.1%
SILVER	0	0	0.0%	4,345	752	477.79%	0	0	0.0%	18,121	2,979	508.3%
Energy Futures												
3.5% FUEL OIL CID MED SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
3.5% FUEL OIL CIF BALMO S	0	0	0.0%	0	0	0.00%	0	0	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%
AEP-DAYTON HUB MTHLY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ALGONQUIN CITYGATES BASI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ANR LOUISIANA BASIS SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ANR OKLAHOMA	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	30	-100.0%
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	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CFD 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%	3,064,869	2,120,216	44.55%	0	0	0.0%	10,313,806	8,810,058	17.1%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Energy Futures												
CAISO SP15 EZGNHUB5 MW P	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CAISO SP15 EZGNHUB5 PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CANADIAN LIGHT SWEET OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CENTERPOINT BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHICAGO ETHANOL SWAP	0	0	0.0%	9	585	-98.46%	0	0	0.0%	474	1,591	-70.2%
CHICAGO ULSD (PLATTS) SWA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
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%
CIG BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIG ROCKIES NG INDEX SWA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CINERGY HUB OFF-PEAK MON	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COLUMB GULF MAINLINE NG B	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COLUMBIA GULF ONSHORE	-	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	6	-100.00%	0	0	0.0%	90	12	650.0%
CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	89	-100.0%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	50	0	0.0%
CRUDE OIL PHY	0	0	0.0%	27,963,696	30,494,584	-8.30%	0	0	0.0%	126,218,028	136,821,126	-7.7%
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%
DIESEL 10PPM BARGES FOB B	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DOMINION TRAN INC - APP I	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Energy Futures												
DUBAI CRUDE OIL BALMO	0	0	0.0%	0	0	0.00%	0	0	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%	6,444	2,176	196.14%	0	0	0.0%	37,660	5,586	574.2%
DY EURO 3.5% FUEL OI RDA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EASTERN RAIL DELIVERY CSX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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 ERCOT DLY OFF PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	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%
ELEC MISO PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	-	0	0.0%	-	0	0.00%	-	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%
ELEC WEST POWER OFF-PEA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ELEC WEST POWER PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ERCOT DAILY 5MW PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ERCOT HOUSTON Z MCPE 5M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL	0	0	0.0%	9,472	9,476	-0.04%	0	0	0.0%	49,193	47,112	4.4%
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 1% FUEL OIL NEW BALM	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	0	0.00%	0	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO GASOIL 10PPM VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL NWE CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL RDAM C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	0	0	0.0%	0	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Energy Futures												
EUROPEAN GASOIL (ICE)	0	0	0.0%	48	786	-93.89%	0	0	0.0%	476	2,448	-80.6%
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%
FLORIDA GAS ZONE3 BASIS S	-	0	0.0%	-	0	0.00%	-	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	0	0.00%	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUELOIL SWAP:CARGOES VS.	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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 0.1 CIF MED SWAP	-	0	0.0%	-	0	0.00%	-	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 CIF NWE VS ISE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	-	0	0.0%	-	0	0.00%	-	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 10P CRG CIF NW VS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GASOIL 10PPM VS ICE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL BULLET 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%	2,986	0	0.00%	0	0	0.0%	11,425	2,076	450.3%
GROUP THREE ULSD (PLATTS)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GROUP THREE UNLEAD GAS (0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GRP THREE ULSD(PLT)VS HEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GRP THREE UNL GS (PLT) VS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST 3% FUEL OIL BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Energy Futures												
GULF COAST JET FUEL CLNDR	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 CALEDA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CRACK SP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRCK SPRD BAL	0	-	-	0	-		0	-	-	0	-	-
HEATING OIL PHY	0	0	0.0%	3,733,707	4,134,987	-9.70%	0	0	0.0%	15,675,619	19,482,053	-19.5%
HENRY HUB BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	4,446	-100.00%	0	0	0.0%	0	10,357	-100.0%
HENRY HUB INDEX SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HENRY HUB SWAP	0	0	0.0%	0	26,596	-100.00%	0	0	0.0%	122	40,510	-99.7%
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%
HUSTN SHIP CHNL PIPE SWP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ICE BRENT DUBAI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ICE GASOIL BALMO SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IN DELIVERY MONTH EUA	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	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
INDONESIAN COAL ICI4	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	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 AV FUEL (P) CAR FM ICE G	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 BRG FOB RDM VS I	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JET FUEL CRG CIF NEW VS I	-	0	0.0%	-	0	0.00%	-	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)	-	0	0.0%	-	0	0.00%	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Energy Futures												
LA CARBOB GASOLINE(OPIS)S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA JET FUEL VS NYM NO 2 H	-	0	0.0%	-	0	0.00%	-	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	-	-
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	-	-
LTD NAT GAS	0	0	0.0%	155,324	205,950	-24.58%	0	0	0.0%	812,502	1,138,219	-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%	480	0	0.0%
MARS BLEND 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%	1,016	45	2,157.78%	0	0	0.0%	2,221	414	436.5%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MGF FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	0	0.00%	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI GAS EUROBOB OXY NWE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOBARG NWE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOB(ARGUS) N	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINY HTG OIL	0	0	0.0%	3	2	50.00%	0	0	0.0%	17	15	13.3%
MINY NATURAL GAS	0	0	0.0%	24,233	15,948	51.95%	0	0	0.0%	130,322	148,902	-12.5%
MINY RBOB GAS	0	0	0.0%	6	3	100.00%	0	0	0.0%	30	15	100.0%
MINY WTI CRUDE OIL	0	0	0.0%	512,407	408,772	25.35%	0	0	0.0%	2,067,558	1,596,027	29.5%
MJC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MNC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE 5 DEC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE OPIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	5	27	-81.48%	0	0	0.0%	40	57	-29.8%
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%
NAT GAS BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Energy Futures												
NATURAL GAS	0	0	0.0%	29,580	28,106	5.24%	0	0	0.0%	198,440	294,808	-32.7%
NATURAL GAS FIXED PRICE S	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NATURAL GAS INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NATURAL GAS PEN SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	0	0.0%	6,867,912	8,026,786	-14.44%	0	0	0.0%	35,325,834	45,096,194	-21.7%
NEPOOL CNCTCT 5MW D AH O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL W CNTR M 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW ENGLAND HUB PEAK DAI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	0	0.00%	0	0	0.0%	0	0	0.0%
NGPL TEX/OK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	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	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHERN NATURAL GAS DEM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHERN NATURAL GAS VEN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHERN ILLINOIS OFF-PEA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NORTHWEST ROCKIES BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY 2.2% FUEL OIL (PLATTS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NY 3.0% FUEL OIL (PLATTS	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%	0	6	-100.00%	0	0	0.0%	0	46	-100.0%
NY HARBOR LOW SULPUR GA	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 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Energy Futures												
NY HARBOR RESIDUAL FUEL 1	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR RESIDUAL FUEL	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 A	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO A OFF-PEAK	-	0	0.0%	-	0	0.00%	-	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 G	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO G OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO J	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	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	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH O P	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO ZONE C 5MW D AH PK	-	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	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX ALUMINUM FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY ULSD (ARGUS) VS HEATIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ONEOK OKLAHOMA NG BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	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%
PANHANDLE PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Energy Futures												
PJM AD HUB 5MW REAL TIME	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM AECO DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM AECO DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM APS ZONE DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM APS ZONE DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM ATSI ELEC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	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	0	0.00%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM JCPL DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM JCPL DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM MONTHLY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NILL DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM OFF-PEAK LMP SWAP FU	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	-	-
PJM PPL DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM PPL DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM PSEG DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTHDA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH RT OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH RT PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PLASTICS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREMIUM UNLD 10P FOB MED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREMIUM UNLEAD 10PPM FOB	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	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 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Energy Futures												
PROPANE NON-LDH MB (OPIS)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MT. BEL (0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CRACK SPREAD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CRACK SPREAD BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLNC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	4,541,669	4,316,306	5.22%	0	0	0.0%	21,324,085	19,591,160	8.8%
RBOB SPREAD (PLATTS) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	0	0.00%	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 180CST BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST FUEL OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL 180CST CAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL OIL 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	1	-100.00%	0	0	0.0%	0	2	-100.0%
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	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO GASOI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KEROSENE S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO VS. GA	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	1	-100.00%	0	0	0.0%	0	2	-100.0%
SINGAPORE NAPHTHA SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SING FUEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SONAT BASIS SWAP FUTURE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SOUTH STAR TEX OKLHM KNS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Sumas Basis Swap	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SUMAS NAT GAS PLATTS FIXE	-	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 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Energy Futures												
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	0	0.00%	0	0	0.0%	0	0	0.0%
TCO NG INDEX 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%
TENNESSEE 500 LEG BASIS S	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TENNESSEE 800 LEG NG BASI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TENNESSEE ZONE 0 BASIS S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TETCO M-3 INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
Tetco STX Basis	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%
TEXAS GAS ZONE1 NG BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Transco Zone 3 Basis	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 3 NG INDEX S	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TRANSCO ZONE4 BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 4 NAT GAS IN	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TRANSCO ZONE 6 BASIS SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
UCM FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UK NBP NAT GAS CAL MTH FU	0	0	0.0%	20	8,865	-99.77%	0	0	0.0%	3,149	23,795	-86.8%
ULSD 10PPM CIF MED SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ULSD 10PPM CIF MED VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF NW BALMO S	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ULSD UP-DOWN BALMO SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UP DOWN GC ULSD VS NMX H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WAHA BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WAHA INDEX SWAP FUTURE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
WESTERN RAIL DELIVERY PR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	0	0	0.00%	0	0	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%
WTS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI TRD MT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Energy Options												
12 MO GASOIL CAL SWAP SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRENT 1 MONTH CAL	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 CRUDE OIL 12 M CSO	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%	300	500	-40.00%	0	0	0.0%	300	2,300	-87.0%
BRENT CRUDE OIL 6 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%	105,021	49,587	111.79%	0	0	0.0%	354,862	206,535	71.8%
COAL API2 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL API4 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL	0	-	-	0	-		0	-	-	0	-	-
CRUDE OIL 1MO	0	0	0.0%	14,000	10,500	33.33%	0	0	0.0%	34,361	81,110	-57.6%
CRUDE OIL APO	0	0	0.0%	0	135	-100.00%	0	0	0.0%	3	301	-99.0%
CRUDE OIL CALNDR STRIP	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%	3,262,073	3,293,675	-0.96%	0	0	0.0%	11,278,274	15,730,194	-28.3%
ELEC MISO PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHANOL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPEAN JET KEROSENE N	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GASOLINE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HEATING OIL CRACK OPTIONS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HEATING OIL CRK SPD AVG P	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HEATING OIL PHY	0	0	0.0%	5,124	4,712	8.74%	0	0	0.0%	21,182	32,185	-34.2%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5	-100.0%
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	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,870	1	286,900.0%
NATURAL GAS 2 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 3 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	1	-100.0%
NATURAL GAS 5 M CSO FIN	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 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Energy Options												
NATURAL GAS 6 M CSO FIN	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%	726,799	1,031,485	-29.54%	0	0	0.0%	4,241,341	6,756,362	-37.2%
NATURAL GAS WINTER STRIP	0	-	-	0	-		0	-	-	0	-	-
N ROCKIES PIPE SWAP	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%	67	104	-35.58%	0	0	0.0%	211	261	-19.2%
NYISO ZONE G 5MW PEAK OP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL A	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PANHANDLE PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	0	0	0.0%	10	0	0.00%	0	0	0.0%	10	5	100.0%
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 1MO CAL SPD OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CRACK	0	-	-	0	-		0	-	-	0	-	-
RBOB PHY	0	0	0.0%	3,704	3,900	-5.03%	0	0	0.0%	17,749	23,229	-23.6%
ROTTERDAM 3.5%FUEL OIL CL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SHORT TERM	0	0	0.0%	17	168	-89.88%	0	0	0.0%	43	468	-90.8%
SHORT TERM NATURAL GAS	0	0	0.0%	4	72	-94.44%	0	0	0.0%	79	426	-81.5%
SINGAPORE GASOIL CALEND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	4,900	3,990	22.81%	0	0	0.0%	26,555	132,811	-80.0%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	500	2,200	-77.27%	0	0	0.0%	8,600	13,150	-34.6%

FX Futures

AD/CD CROSS RATES	0	0	0.0%	31	13	138.46%	0	0	0.0%	102	35	191.4%
AD/JY CROSS RATES	0	0	0.0%	4,258	2,852	49.30%	0	0	0.0%	14,258	18,578	-23.3%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
FX Futures												
AD/NE CROSS RATES	0	0	0.0%	137	51	168.63%	0	0	0.0%	378	386	-2.1%
AUSTRALIAN DOLLAR	0	0	0.0%	2,186,851	2,559,168	-14.55%	0	0	0.0%	10,612,526	12,105,034	-12.3%
BDI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BP/JY CROSS RATES	0	0	0.0%	3,162	2,326	35.94%	0	0	0.0%	11,277	16,847	-33.1%
BP/SF CROSS RATES	0	0	0.0%	588	523	12.43%	0	0	0.0%	2,024	1,690	19.8%
BRAZIL REAL	0	0	0.0%	130,232	98,580	32.11%	0	0	0.0%	532,575	459,938	15.8%
BRITISH POUND	0	0	0.0%	2,338,807	2,824,770	-17.20%	0	7	-100.0%	12,104,461	13,731,573	-11.8%
CANADIAN DOLLAR	0	0	0.0%	1,734,369	1,960,099	-11.52%	3	33	-90.9%	7,896,454	8,895,056	-11.2%
CD/JY CROSS RATES	0	0	0.0%	54	204	-73.53%	0	0	0.0%	119	524	-77.3%
CHINESE RENMINBI (CNH)	0	0	0.0%	31,669	2,345	1,250.49%	0	0	0.0%	126,747	11,850	969.6%
CZECK KORUNA (EC)	0	-	-	0	-		0	-	-	10	-	-
CZECK KORUNA (US)	0	-	-	0	-		0	-	-	0	-	-
EC/AD CROSS RATES	0	0	0.0%	2,504	742	237.47%	0	0	0.0%	17,253	6,295	174.1%
EC/CD CROSS RATES	0	0	0.0%	2,107	2,051	2.73%	0	0	0.0%	12,314	16,968	-27.4%
EC/NOK CROSS RATES	0	0	0.0%	550	310	77.42%	0	0	0.0%	2,222	1,537	44.6%
EC/SEK CROSS RATES	0	0	0.0%	372	182	104.40%	0	0	0.0%	2,355	3,230	-27.1%
EFX/BP CROSS RATES	0	0	0.0%	73,164	54,488	34.28%	0	0	0.0%	421,732	359,632	17.3%
EFX/JY CROSS RATES	0	0	0.0%	45,292	98,905	-54.21%	0	0	0.0%	284,887	399,545	-28.7%
EFX/SF CROSS RATES	0	0	0.0%	29,262	34,366	-14.85%	0	0	0.0%	142,474	138,309	3.0%
E-MICRO AUD/USD	0	0	0.0%	109,083	107,774	1.21%	0	0	0.0%	610,910	507,275	20.4%
E-MICRO CAD/USD	0	0	0.0%	19,444	15,697	23.87%	0	0	0.0%	81,845	90,802	-9.9%
E-MICRO CHF/USD	0	0	0.0%	1,787	1,438	24.27%	0	0	0.0%	8,969	6,616	35.6%
E-MICRO EUR/USD	0	0	0.0%	228,070	479,033	-52.39%	0	0	0.0%	1,255,779	2,044,247	-38.6%
E-MICRO GBP/USD	0	0	0.0%	30,393	35,874	-15.28%	0	0	0.0%	224,901	270,095	-16.7%
E-MICRO INR/USD	0	0	0.0%	3,793	5,706	-33.53%	0	0	0.0%	24,152	18,673	29.3%
E-MICRO JPY/USD	0	0	0.0%	32,131	31,063	3.44%	0	0	0.0%	140,276	170,835	-17.9%
E-MINI EURO FX	0	0	0.0%	90,736	122,279	-25.80%	0	0	0.0%	458,101	518,133	-11.6%
E-MINI JAPANESE YEN	0	0	0.0%	8,583	11,648	-26.31%	0	0	0.0%	53,198	62,843	-15.3%
EURO FX	8	9	-11.1%	3,863,157	7,278,309	-46.92%	39	446	-91.3%	20,643,023	28,969,625	-28.7%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HUNGARIAN FORINT (US)	0	-	-	2	-		0	-	-	8	-	-
INDIAN RUPEE	0	0	0.0%	50,778	104,437	-51.38%	0	0	0.0%	352,681	454,751	-22.4%
JAPANESE YEN	0	0	0.0%	3,217,543	3,233,433	-0.49%	0	17	-100.0%	12,897,598	16,222,369	-20.5%
KOREAN WON	0	0	0.0%	243	114	113.16%	0	0	0.0%	1,059	1,301	-18.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
FX Futures												
MEXICAN PESO	0	0	0.0%	1,381,545	1,598,324	-13.56%	0	0	0.0%	6,426,005	6,796,343	-5.4%
NEW ZEALND DOLLAR	0	0	0.0%	551,579	781,323	-29.40%	0	0	0.0%	2,855,699	3,402,696	-16.1%
NKR/USD CROSS RATE	0	0	0.0%	4,130	4,519	-8.61%	0	0	0.0%	17,003	18,177	-6.5%
POLISH ZLOTY (EC)	0	0	0.0%	8	16	-50.00%	0	0	0.0%	390	64	509.4%
POLISH ZLOTY (US)	0	0	0.0%	60	81	-25.93%	0	0	0.0%	454	519	-12.5%
RMB USD	0	0	0.0%	3	1	200.00%	0	0	0.0%	5	16	-68.8%
RUSSIAN RUBLE	0	0	0.0%	41,699	45,013	-7.36%	0	0	0.0%	258,193	285,859	-9.7%
S.AFRICAN RAND	0	0	0.0%	38,053	50,585	-24.77%	0	0	0.0%	183,897	210,930	-12.8%
SF/JY CROSS RATES	0	0	0.0%	0	0	0.00%	0	0	0.0%	7	0	0.0%
SHEKEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	1,455	3,957	-63.23%	0	0	0.0%	11,520	16,274	-29.2%
SWISS FRANC	0	0	0.0%	524,587	597,559	-12.21%	0	0	0.0%	2,523,717	2,929,979	-13.9%
TURKISH LIRA	0	0	0.0%	0	0	0.00%	0	0	0.0%	8	0	0.0%
USDZAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	20	5	300.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
FX Options												
AUD/USD PQO 2pm Fix	0	0	0.0%	135,108	120,350	12.26%	0	0	0.0%	530,057	635,074	-16.5%
AUSTRALIAN DLR (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
AUSTRALIAN DOLLAR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRAZIL REAL	0	-	-	54	-		0	-	-	54	-	-
BRITISH POUND	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRITISH POUND (EU)	0	0	0.0%	0	111	-100.00%	0	0	0.0%	0	228	-100.0%
CAD/USD PQO 2pm Fix	250	10	2,400.0%	108,183	176,920	-38.85%	581	1,619	-64.1%	530,722	851,702	-37.7%
CANADIAN DOLLAR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	63	-100.0%
CHF/USD PQO 2pm Fix	0	0	0.0%	2,183	4,847	-54.96%	0	0	0.0%	12,152	13,252	-8.3%
EFX/BP CROSS RATES	0	-	-	0	-		0	-	-	74	-	-
EFX/JY CROSS RATES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO FX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EURO FX (EU)	0	0	0.0%	0	7	-100.00%	0	0	0.0%	0	28	-100.0%
EUR/USD PQO 2pm Fix	1,115	3,306	-66.3%	521,915	998,307	-47.72%	6,963	7,555	-7.8%	2,654,629	4,214,741	-37.0%
GBP/USD PQO 2pm Fix	16	25	-36.0%	152,099	229,666	-33.77%	699	480	45.6%	924,767	1,222,450	-24.4%
JAPANESE YEN	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JAPANESE YEN (EU)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JPY/USD PQO 2pm Fix	5	280	-98.2%	273,808	253,418	8.05%	40	3,433	-98.8%	1,053,634	1,361,036	-22.6%
MEXICAN PESO	0	1,215	-100.0%	1,526	866	76.21%	900	2,695	-66.6%	6,752	7,892	-14.4%
NEW ZEALND DOLLAR	0	-	-	120	-		0	-	-	2,453	-	-
SWISS FRANC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SWISS FRANC (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
Ags Futures												
FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	0	829	-100.00%	0	0	0.0%	0	8,488	-100.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Foreign Exchange Options												
AUD/USD PQO 2pm Fix	0	0	0.0%	982	1,548	-36.56%	0	0	0.0%	5,006	3,614	38.5%
Ag Products Futures												
BUTTER CS	0	0	0.0%	4,259	3,801	12.05%	0	0	0.0%	19,271	22,364	-13.8%
CASH-SETTLED CHEESE	0	0	0.0%	8,916	8,732	2.11%	0	0	0.0%	57,623	45,486	26.7%
CATTLE	2,005	817	145.4%	1,753,377	1,678,279	4.47%	8,506	6,636	28.2%	7,756,471	7,155,387	8.4%
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	8,823	15,010	-41.2%	2,861,712	3,380,741	-15.35%	40,549	68,866	-41.1%	13,754,102	16,169,816	-14.9%
CLASS IV MILK	0	0	0.0%	2,117	453	367.33%	105	0	0.0%	12,895	2,893	345.7%
COCOA TAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5	-100.0%
COFFEE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CORN	46,553	44,500	4.6%	13,294,723	7,892,350	68.45%	127,189	149,245	-14.8%	46,665,880	42,858,264	8.9%
COTTON	0	0	0.0%	6	0	0.00%	0	0	0.0%	9	2	350.0%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DOW-UBS COMMOD INDEX	0	0	0.0%	44,812	51,467	-12.93%	0	0	0.0%	201,247	351,053	-42.7%
DRY WHEY	0	0	0.0%	1,482	1,311	13.04%	0	0	0.0%	7,153	6,061	18.0%
FEEDER CATTLE	81	0	0.0%	337,555	269,161	25.41%	90	12	650.0%	1,597,653	1,491,300	7.1%
FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	28,163	33,673	-16.36%	0	0	0.0%	145,594	158,403	-8.1%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	296	-100.0%
HDD EURO SEASONAL STRIP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	55	-100.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	3,000	726	313.2%	1,429,563	1,235,332	15.72%	10,739	7,125	50.7%	6,578,686	5,264,173	25.0%
HOUSING INDEX	0	0	0.0%	3	7	-57.14%	0	0	0.0%	69	37	86.5%
Intercommodity Spread	0	-	-	0	-	-	0	-	-	0	-	-
KC WHEAT	1,189	990	20.1%	1,371,365	1,172,730	16.94%	5,958	6,565	-9.2%	6,517,958	7,028,668	-7.3%
LUMBER	0	0	0.0%	13,444	21,911	-38.64%	0	0	0.0%	70,784	95,725	-26.1%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Ag Products Futures												
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	7	480	-98.5%	24,456	20,571	18.89%	107	692	-84.5%	125,802	99,017	27.1%
MINI CORN	0	0	0.0%	26,659	11,378	134.30%	0	0	0.0%	57,355	53,291	7.6%
MINI SOYBEAN	0	0	0.0%	24,729	14,227	73.82%	0	0	0.0%	87,621	135,968	-35.6%
MINI WHEAT	0	0	0.0%	7,085	7,308	-3.05%	0	0	0.0%	24,769	30,924	-19.9%
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%	7,074	4,199	68.47%	0	43	-100.0%	34,845	26,862	29.7%
OATS	0	0	0.0%	13,734	10,715	28.18%	0	0	0.0%	68,342	74,835	-8.7%
ROUGH RICE	0	0	0.0%	17,349	15,003	15.64%	31	0	0.0%	92,589	83,652	10.7%
SOYBEAN	9,677	12,172	-20.5%	4,891,064	4,336,090	12.80%	31,499	78,633	-59.9%	20,048,246	26,089,852	-23.2%
SOYBEAN MEAL	898	5,182	-82.7%	2,586,668	2,195,190	17.83%	3,618	24,381	-85.2%	11,460,938	13,447,573	-14.8%
SOYBEAN OIL	75	1,473	-94.9%	2,344,588	2,042,820	14.77%	3,386	7,985	-57.6%	12,004,941	12,832,761	-6.5%
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	0	0.00%	0	0	0.0%	0	58	-100.0%
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%	285	0	0.00%	0	0	0.0%	4,380	22	19,809.1%
Ag Products Options												
AUG-NOV SOYBEAN CAL SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BUTTER CS	78	623	-87.5%	5,126	4,529	13.18%	3,613	5,537	-34.7%	18,349	12,920	42.0%
CASH-SETTLED CHEESE	598	1,836	-67.4%	9,062	6,032	50.23%	10,054	12,576	-20.1%	43,496	32,923	32.1%
CATTLE	40,237	29,352	37.1%	222,476	277,066	-19.70%	152,142	148,702	2.3%	928,364	1,272,724	-27.1%
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	0.00%	-	0	0.0%	-	0	0.0%
CHI WHEAT	111,799	206,260	-45.8%	742,010	725,811	2.23%	500,166	912,992	-45.2%	3,073,906	3,197,375	-3.9%
CLASS IV MILK	216	115	87.8%	2,809	815	244.66%	2,654	455	483.3%	18,956	4,229	348.2%
CORN	845,735	679,914	24.4%	4,859,236	1,940,719	150.38%	2,163,605	2,772,355	-22.0%	11,366,143	7,669,116	48.2%
CORN NEARBY+2 CAL SPRD	6,955	220	3,061.4%	0	0	0.00%	15,550	6,928	124.5%	1	0	0.0%
DEC-DEC CORN CAL SPRD	2,807	2,822	-0.5%	2,260	0	0.00%	5,554	4,250	30.7%	2,260	0	0.0%
DEC-JULY CORN CAL SPRD	7,608	1,500	407.2%	22	0	0.00%	14,518	1,500	867.9%	22	0	0.0%
DEC-JULY WHEAT CAL SPRD	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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Ag Products Options												
DRY WHEY	219	84	160.7%	1,433	591	142.47%	507	823	-38.4%	4,941	1,570	214.7%
FEEDER CATTLE	4,467	2,079	114.9%	43,232	24,811	74.25%	9,294	12,153	-23.5%	150,102	158,061	-5.0%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HOGS	36,028	11,966	201.1%	330,595	146,481	125.69%	199,014	121,228	64.2%	1,621,897	802,036	102.2%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Intercommodity Spread	320	639	-49.9%	0	0	0.00%	1,000	7,269	-86.2%	0	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JULY-DEC CORN CAL SPRD	500	200	150.0%	0	0	0.00%	7,045	8,919	-21.0%	1,100	100	1,000.0%
JULY-DEC SOYMEAL CAL SPR	0	-	-	0	-	-	0	-	-	0	-	-
JULY-DEC SOY OIL CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JULY-DEC WHEAT CAL SPRD	0	650	-100.0%	0	0	0.00%	1,350	1,315	2.7%	0	55	-100.0%
JULY-NOV SOYBEAN CAL SPR	1,965	3,444	-42.9%	0	355	-100.00%	5,931	47,563	-87.5%	190	2,333	-91.9%
KC WHEAT	31,901	20,829	53.2%	98,570	66,706	47.77%	107,931	172,550	-37.4%	353,054	309,674	14.0%
LUMBER	0	21	-100.0%	1,544	2,508	-38.44%	70	157	-55.4%	9,500	9,904	-4.1%
LV CATL CSO	20	83	-75.9%	0	0	0.00%	439	103	326.2%	0	0	0.0%
MAR-JULY CORN CAL SPRD	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	200	-100.0%	30	0	0.0%
MILK	2,292	12,697	-81.9%	38,549	23,833	61.75%	12,784	35,959	-64.4%	177,728	105,809	68.0%
MLK MID OPTIONS	0	68	-100.0%	24	0	0.00%	8	278	-97.1%	176	0	0.0%
NFD MILK	46	831	-94.5%	3,591	2,803	28.11%	620	6,745	-90.8%	36,306	20,627	76.0%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	2,200	0	0.00%	750	1	74,900.0%	2,250	0	0.0%
NOV-MAR SOYBEAN CSO	20	0	0.0%	0	0	0.00%	20	70	-71.4%	0	0	0.0%
NOV-NOV SOYBEAN CAL SPR	0	5	-100.0%	0	0	0.00%	114	18	533.3%	0	0	0.0%
OATS	61	100	-39.0%	248	208	19.23%	1,893	572	230.9%	1,441	1,631	-11.6%
ROUGH RICE	1,070	1,065	0.5%	993	819	21.25%	6,354	2,513	152.8%	4,386	4,171	5.2%
SEP-DEC SOYBEAN MEAL CSC	0	800	-100.0%	0	0	0.00%	0	800	-100.0%	0	0	0.0%
SOYBEAN	196,437	408,480	-51.9%	1,845,280	1,545,651	19.39%	741,254	1,648,317	-55.0%	5,283,776	7,172,030	-26.3%
SOYBEAN CRUSH	0	39	-100.0%	0	0	0.00%	4	121	-96.7%	0	0	0.0%
SOYBEAN MEAL	42,869	151,266	-71.7%	206,102	194,817	5.79%	173,135	650,170	-73.4%	642,074	1,050,643	-38.9%
SOYBEAN OIL	32,023	30,899	3.6%	109,849	72,914	50.66%	98,671	191,778	-48.5%	471,893	413,686	14.1%
SOYBN NEARBY+2 CAL SPRD	3,500	0	0.0%	2,000	0	0.00%	3,500	0	0.0%	2,000	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
Ag Products Options												
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0.00%	465	400	16.3%	0	0	0.0%
WHEAT	1,366	200	583.0%	465	0	0.00%	4,816	610	689.5%	2,003	154	1,200.6%
WHEAT-CORN ICSCO	40	600	-93.3%	0	0	0.00%	2,530	2,945	-14.1%	0	0	0.0%
WHEAT NEARBY+2 CAL SPRD	0	400	-100.0%	0	5	-100.00%	2,040	5,050	-59.6%	200	2,251	-91.1%
TOTAL FUTURES GROUP												
Interest Rate Futures	1,232,784	1,039,372	18.6%	220,522,557	198,938,001	10.8%	4,774,444	5,707,822	-16.4%	777,996,576	836,818,730	-7.0%
Equity Index Futures	6,738	23,388	-71.2%	74,852,222	44,366,753	68.7%	90,153	196,622	-54.1%	267,439,695	279,156,621	-4.2%
Metals Futures	0	0	0.0%	11,179,573	13,229,928	-15.5%	0	0	0.0%	50,434,969	64,720,929	-22.1%
Energy Futures	0	0	0.0%	46,913,406	49,804,676	-5.8%	0	0	0.0%	212,171,621	233,112,704	-9.0%
FX Futures	8	9	-11.1%	16,782,271	22,150,158	-24.2%	42	503	-91.7%	81,213,586	99,165,454	-18.1%
Ags Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange Futures	0	0	0.0%	0	829	-100.0%	0	0	0.0%	0	8,488	-100.0%
Ag Products Futures	72,308	81,350	-11.1%	31,095,188	24,407,449	27.4%	231,777	350,183	-33.8%	127,395,223	133,524,803	-4.6%
TOTAL FUTURES	1,311,838	1,144,119	14.7%	401,345,217	352,897,794	13.7%	5,096,416	6,255,130	-18.5%	1,516,651,670	1,646,507,729	-7.9%
TOTAL OPTIONS GROUP												
Equity Index Options	621,472	715,910	-13.2%	17,161,422	12,030,992	42.6%	3,411,677	5,733,167	-40.5%	60,885,061	89,928,985	-32.3%
Interest Rate Options	30,980,241	20,597,111	50.4%	38,918,656	26,762,393	45.4%	123,017,134	122,642,113	0.3%	149,570,961	138,806,607	7.8%
Metals Options	0	0	0.0%	1,126,551	964,296	16.8%	0	0	0.0%	4,927,769	4,727,031	4.2%
Energy Options	0	0	0.0%	4,122,519	4,401,028	-6.3%	0	0	0.0%	15,986,440	22,979,344	-30.4%
FX Options	1,386	4,836	-71.3%	1,194,996	1,784,492	-33.0%	9,183	15,782	-41.8%	5,715,294	8,306,466	-31.2%
Ag Products Options	1,371,177	1,570,087	-12.7%	8,527,676	5,037,474	69.3%	4,249,395	6,783,922	-37.4%	24,216,544	22,244,022	8.9%
Foreign Exchange Options	0	0	0.0%	982	1,548	-36.6%	0	0	0.0%	5,006	3,614	38.5%
TOTAL OPTIONS	32,974,276	22,887,944	44.1%	71,052,802	50,982,223	39.4%	130,687,389	135,174,984	-3.3%	261,307,075	286,996,069	-9.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
TOTAL COMBINED												
Interest Rate	32,213,025	21,636,483	48.9%	259,441,213	225,700,394	14.9%	127,791,578	128,349,935	-0.4%	927,567,537	975,625,337	-4.9%
Equity Index	628,210	739,298	-15.0%	92,013,644	56,397,745	63.2%	3,501,830	5,929,789	-40.9%	328,324,756	369,085,606	-11.0%
Metals	0	0	0.0%	12,306,124	14,194,224	-13.3%	0	0	0.0%	55,362,738	69,447,960	-20.3%
Energy	0	0	0.0%	51,035,925	54,205,704	-5.8%	0	0	0.0%	228,158,061	256,092,048	-10.9%
FX	1,394	4,845	-71.2%	17,977,267	23,934,650	-24.9%	9,225	16,285	-43.4%	86,928,880	107,471,920	-19.1%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange	0	0	0.0%	982	2,377	-58.7%	0	0	0.0%	5,006	12,102	-58.6%
Ag Products	1,443,485	1,651,437	-12.6%	39,622,864	29,444,923	34.6%	4,481,172	7,134,105	-37.2%	151,611,767	155,768,825	-2.7%
GRAND TOTAL	34,286,114	24,032,063	42.7%	472,398,019	403,880,017	17.0%	135,783,805	141,430,114	-4.0%	1,777,958,745	1,933,503,798	-8.0%

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