



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>Interest Rate Futures</b>												
10-YR NOTE	113,078	158,739	-28.8%	32,133,938	30,803,640	4.32%	746,987	826,445	-9.6%	216,807,519	223,068,606	-2.8%
10-YR SWAP RATE	0	0	0.0%	64,677	71,124	-9.06%	0	0	0.0%	240,970	281,974	-14.5%
15-YR SWAP RATE	0	-	-	0	-	-	0	-	-	0	-	-
1-MONTH EURODOLLAR	0	0	0.0%	35	7,907	-99.56%	0	0	0.0%	186	30,042	-99.4%
20-YR SWAP RATE	0	-	-	0	-	-	0	-	-	46	-	-
2-YR NOTE	617	1,673	-63.1%	10,811,109	6,251,284	72.94%	15,781	17,080	-7.6%	79,603,843	64,435,542	23.5%
2-YR SWAP RATE	0	-	-	81,716	-	-	0	-	-	260,884	-	-
30-YR BOND	10,382	19,882	-47.8%	5,878,697	5,903,001	-0.41%	105,586	119,501	-11.6%	41,073,091	44,236,990	-7.2%
30-YR SWAP RATE	0	0	0.0%	1,199	54	2,120.37%	0	0	0.0%	4,615	983	369.5%
3-YR SWAP RATE	0	-	-	15,825	-	-	0	-	-	62,240	-	-
4-YR SWAP RATE	0	-	-	14,944	-	-	0	-	-	75,173	-	-
5-YR NOTE	63,677	59,930	6.3%	19,786,967	16,414,929	20.54%	226,940	217,088	4.5%	139,500,842	137,452,718	1.5%
5-YR SWAP RATE	0	0	0.0%	128,072	36,359	252.24%	0	0	0.0%	423,891	160,505	164.1%
7-YR SWAP RATE	0	-	-	5,375	-	-	0	-	-	27,150	-	-
EURODOLLARS	1,104,692	689,410	60.2%	75,184,622	51,718,921	45.37%	4,971,530	5,457,112	-8.9%	367,333,953	410,877,073	-10.6%
FED FUND	0	0	0.0%	11,437,090	5,757,064	98.66%	0	0	0.0%	43,126,471	34,716,338	24.2%
SOFR	0	0	0.0%	533,181	32,511	1,540.00%	0	0	0.0%	3,399,307	66,142	5,039.4%
SONIA	0	-	-	138,518	-	-	0	-	-	979,077	-	-
Ultra 10-Year Note	0	0	0.0%	4,179,672	2,918,089	43.23%	0	0	0.0%	26,024,329	22,847,517	13.9%
ULTRA T-BOND	0	0	0.0%	2,671,818	2,531,368	5.55%	66	230	-71.3%	22,120,444	21,090,551	4.9%
<b>Interest Rate Options</b>												
10-YR NOTE	2,273,811	2,277,751	-0.2%	10,511,591	10,665,535	-1.44%	14,199,426	13,565,028	4.7%	63,696,261	66,324,908	-4.0%
2-YR NOTE	182,970	216,557	-15.5%	426,087	368,883	15.51%	937,866	916,501	2.3%	2,166,722	2,282,695	-5.1%
30-YR BOND	187,345	196,850	-4.8%	2,398,892	1,759,070	36.37%	1,812,138	1,777,898	1.9%	14,679,503	14,005,379	4.8%
5-YR NOTE	901,013	776,733	16.0%	4,217,380	2,943,607	43.27%	5,397,477	4,316,272	25.0%	22,264,444	16,812,280	32.4%
EURODOLLARS	21,675,572	7,118,106	204.5%	15,116,640	4,318,157	250.07%	86,598,526	59,695,410	45.1%	48,212,735	29,270,507	64.7%
EURO MIDCURVE	8,585,595	7,389,438	16.2%	7,431,360	4,899,529	51.67%	47,801,164	60,319,551	-20.8%	38,639,309	35,036,562	10.3%
FED FUND	1,000	0	0.0%	0	0	0.00%	1,250	1,750	-28.6%	202	15,267	-98.7%
Ultra 10-Year Note	1,330	0	0.0%	0	0	0.00%	11,618	0	0.0%	5,328	28	18,928.6%
ULTRA T-BOND	18,709	1,767	958.8%	1,401	1,226	14.27%	85,014	26,905	216.0%	9,808	14,988	-34.6%

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<b>Equity Index Futures</b>												
BITCOIN FUTURES	0	0	0.0%	167,362	63,733	162.60%	0	0	0.0%	941,222	341,754	175.4%
DJ US REAL ESTATE	0	0	0.0%	32,460	41,543	-21.86%	0	0	0.0%	146,131	143,326	2.0%
E-mini (\$5) Dow	0	0	0.0%	4,215,355	4,540,704	-7.17%	0	0	0.0%	26,914,467	31,505,993	-14.6%
E-MINI COM SERVICES SELEC	0	-	-	2,335	-		0	-	-	16,979	-	-
E-mini FTSE 100 (USD)	0	0	0.0%	0	935	-100.00%	0	0	0.0%	336	9,920	-96.6%
E-mini FTSE China 50	0	0	0.0%	13	866	-98.50%	0	0	0.0%	711	7,469	-90.5%
E-MINI MIDCAP	0	0	0.0%	424,169	480,104	-11.65%	0	0	0.0%	2,037,023	2,356,612	-13.6%
E-MINI NASDAQ 100	0	0	0.0%	9,423,732	8,347,607	12.89%	0	0	0.0%	59,560,001	55,083,806	8.1%
E-MINI RUSSELL 1000	0	0	0.0%	3,694	10,380	-64.41%	0	0	0.0%	22,240	52,424	-57.6%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	8,671	6,817	27.20%	0	0	0.0%	23,097	44,979	-48.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	11,291	16,292	-30.70%	0	0	0.0%	46,601	56,650	-17.7%
E-MINI RUSSELL 2000	0	0	0.0%	3,618,527	3,807,789	-4.97%	0	0	0.0%	17,869,340	17,045,651	4.8%
E-MINI S&P500	0	0	0.0%	36,168,038	35,577,555	1.66%	0	0	0.0%	199,207,640	217,788,738	-8.5%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,226	2,126	4.70%	0	0	0.0%	15,801	19,196	-17.7%
FT-SE 100	0	0	0.0%	0	940	-100.00%	0	0	0.0%	372	8,131	-95.4%
FTSE Emerging	0	0	0.0%	1,816	65	2,693.85%	0	0	0.0%	13,509	687	1,866.4%
IBOVESPA INDEX	0	0	0.0%	592	730	-18.90%	0	0	0.0%	3,741	6,223	-39.9%
MICRO E-MINI NASDAQ 100	0	-	-	3,029,064	-		0	-	-	6,023,411	-	-
MICRO E-MINI RUSSELL 2000	0	-	-	375,630	-		0	-	-	918,887	-	-
MICRO E-MINI S&P500	0	-	-	4,529,623	-		0	-	-	9,348,045	-	-
MICRO MINI \$5 DOW	0	-	-	800,243	-		0	-	-	1,743,309	-	-
NASDAQ BIOTECH	0	0	0.0%	468	0	0.00%	0	0	0.0%	1,806	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%	269,391	270,510	-0.41%	0	0	0.0%	1,340,638	2,135,106	-37.2%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	891,395	766,529	16.29%	228	0	0.0%	4,596,091	5,704,066	-19.4%
S&P 500	63,932	99,374	-35.7%	1,094	3,398	-67.80%	153,857	295,996	-48.0%	9,031	35,148	-74.3%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	16,733	4,762	251.39%	0	0	0.0%	63,958	25,390	151.9%
S&P 500/GI	0	0	0.0%	20	26	-23.08%	0	0	0.0%	40	52	-23.1%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	0	20	-100.00%	0	0	0.0%	521	462	12.8%
S&P 600 SMALLCAP EMINI	0	-	-	0	-		0	-	-	0	-	-
S&P CONSUMER DSCRTNRY S	0	0	0.0%	9,310	16,574	-43.83%	0	0	0.0%	45,182	84,156	-46.3%
S&P CONSUMER STAPLES SE	0	0	0.0%	20,034	17,735	12.96%	0	0	0.0%	68,419	72,372	-5.5%
S&P ENERGY SECTOR	0	0	0.0%	11,484	29,167	-60.63%	0	0	0.0%	70,901	118,430	-40.1%

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<b>Equity Index Futures</b>												
S&P FINANCIAL SECTOR	0	0	0.0%	25,851	36,370	-28.92%	0	0	0.0%	105,540	164,495	-35.8%
S&P HEALTH CARE SECTOR	0	0	0.0%	15,314	14,597	4.91%	0	0	0.0%	67,360	73,375	-8.2%
S&P INDUSTRIAL SECTOR	0	0	0.0%	7,083	13,921	-49.12%	0	0	0.0%	47,639	70,149	-32.1%
S&P MATERIALS SECTOR	0	0	0.0%	8,279	8,515	-2.77%	0	0	0.0%	39,940	41,436	-3.6%
S&P TECHNOLOGY SECTOR	0	0	0.0%	12,321	23,213	-46.92%	0	0	0.0%	65,655	112,768	-41.8%
S&P UTILITIES SECTOR	0	0	0.0%	16,949	29,884	-43.28%	0	0	0.0%	101,810	125,161	-18.7%
S&P VALUE INDEX FUTURES	0	0	0.0%	24	28	-14.29%	0	0	0.0%	48	56	-14.3%
YEN DENOMINATED TOPIX	0	0	0.0%	20,455	843	2,326.45%	0	0	0.0%	103,299	2,274	4,442.6%
<b>Equity Index Options</b>												
E-mini (\$5) Dow	0	0	0.0%	2,984	9,269	-67.81%	0	0	0.0%	26,486	66,147	-60.0%
E-MINI NASDAQ 100	0	0	0.0%	206,567	182,334	13.29%	0	0	0.0%	1,238,807	1,482,469	-16.4%
E-MINI RUSSELL 2000	0	0	0.0%	18,126	8,249	119.74%	0	0	0.0%	78,206	83,245	-6.1%
E-MINI S&P500	0	375	-100.0%	5,602,616	4,604,777	21.67%	345	5,330	-93.5%	29,614,784	37,302,834	-20.6%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	10,668	5,902	80.75%	0	0	0.0%	51,478	37,944	35.7%
EOM EMINI S&P	0	0	0.0%	1,823,441	2,324,037	-21.54%	0	0	0.0%	11,182,919	16,313,747	-31.5%
EOM S&P 500	147,140	198,808	-26.0%	0	0	0.00%	788,911	1,269,267	-37.8%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,405	2,129	-34.01%	0	0	0.0%	8,861	14,686	-39.7%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	3,209	1,845	73.93%	0	0	0.0%	10,454	19,814	-47.2%
EOW1 EMINI S&P 500	0	0	0.0%	1,302,038	669,904	94.36%	0	0	0.0%	5,673,095	6,719,134	-15.6%
EOW1 S&P 500	100,809	42,528	137.0%	0	0	0.00%	384,093	411,706	-6.7%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	4,674	5,518	-15.30%	0	0	0.0%	22,314	35,027	-36.3%
EOW2 EMINI S&P 500	0	0	0.0%	980,451	668,029	46.77%	0	0	0.0%	6,031,053	8,214,279	-26.6%
EOW2 S&P 500	62,579	134,334	-53.4%	0	0	0.00%	738,801	897,439	-17.7%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	8,496	17,810	-52.30%	0	0	0.0%	62,199	145,005	-57.1%
EOW3 EMINI S&P 500	0	0	0.0%	1,526,011	2,022,039	-24.53%	0	0	0.0%	13,555,724	23,303,536	-41.8%
EOW3 S&P 500	91,449	93,380	-2.1%	0	0	0.00%	776,212	1,999,117	-61.2%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	261	3,807	-93.14%	0	0	0.0%	17,541	40,406	-56.6%
EOW4 EMINI S&P 500	0	0	0.0%	46,586	848,625	-94.51%	0	0	0.0%	4,848,673	7,524,986	-35.6%
S&P 500	299,014	337,725	-11.5%	0	0	0.00%	1,424,306	1,957,458	-27.2%	0	0	0.0%

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<b>Metals Futures</b>												
ALUMINUM	0	0	0.0%	150	590	-74.58%	0	0	0.0%	4,007	4,628	-13.4%
COMEX COPPER	0	0	0.0%	2,248,575	3,580,829	-37.21%	0	0	0.0%	12,676,233	17,367,541	-27.0%
COMEX E-Mini GOLD	0	0	0.0%	24,735	5,175	377.97%	0	0	0.0%	68,268	40,680	67.8%
COMEX E-Mini SILVER	0	0	0.0%	5,520	1,586	248.05%	0	0	0.0%	22,023	7,443	195.9%
COMEX GOLD	0	0	0.0%	7,034,651	5,505,752	27.77%	0	0	0.0%	35,301,375	42,738,699	-17.4%
COMEX MINY COPPER	0	0	0.0%	1,022	418	144.50%	0	0	0.0%	3,909	3,180	22.9%
COMEX SILVER	0	0	0.0%	2,588,030	2,398,646	7.90%	0	0	0.0%	10,500,473	12,609,573	-16.7%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
E-MICRO GOLD	0	0	0.0%	491,048	112,175	337.75%	0	0	0.0%	1,468,738	780,046	88.3%
FERROUS PRODUCTS	0	0	0.0%	782	35	2,134.29%	0	0	0.0%	3,749	102	3,575.5%
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	20	-100.00%	0	0	0.0%	28	79	-64.6%
LNDN ZINC	0	0	0.0%	36	1,116	-96.77%	0	0	0.0%	1,230	1,293	-4.9%
NYMEX HOT ROLLED STEEL	0	0	0.0%	4,596	3,120	47.31%	0	0	0.0%	24,256	18,773	29.2%
NYMEX PLATINUM	0	0	0.0%	574,823	631,904	-9.03%	0	0	0.0%	2,681,649	2,744,553	-2.3%
PALLADIUM	0	0	0.0%	72,345	90,472	-20.04%	0	0	0.0%	648,057	701,148	-7.6%
SILVER	0	0	0.0%	18,580	9,728	91.00%	0	0	0.0%	95,506	44,542	114.4%
URANIUM	0	0	0.0%	34	31	9.68%	0	0	0.0%	395	110	259.1%

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<b>Metals Options</b>												
COMEX COPPER	0	0	0.0%	54,532	25,461	114.18%	0	0	0.0%	257,220	97,258	164.5%
COMEX GOLD	0	0	0.0%	1,644,829	747,064	120.17%	0	0	0.0%	5,422,937	4,578,848	18.4%
COMEX SILVER	0	0	0.0%	166,061	159,517	4.10%	0	0	0.0%	688,932	794,103	-13.2%
COPPER	0	0	0.0%	140	37	278.38%	0	0	0.0%	644	48	1,241.7%
GOLD	0	0	0.0%	183,332	42,174	334.70%	0	0	0.0%	578,212	211,976	172.8%
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%	719	1,814	-60.36%	0	0	0.0%	8,367	8,919	-6.2%
PALLADIUM	0	0	0.0%	1,202	1,343	-10.50%	0	0	0.0%	4,151	10,310	-59.7%
SILVER	0	0	0.0%	6,266	3,363	86.32%	0	0	0.0%	24,387	6,342	284.5%
<b>Energy Futures</b>												
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%	2,447,372	2,153,333	13.66%	0	0	0.0%	12,761,178	10,963,391	16.4%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>Energy Futures</b>												
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%	0	239	-100.00%	0	0	0.0%	474	1,830	-74.1%
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%	33	19	73.68%	0	0	0.0%	123	31	296.8%
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%	22,993,553	28,073,133	-18.09%	0	0	0.0%	149,211,581	164,894,259	-9.5%
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 JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>Energy Futures</b>												
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%	4,217	1,102	282.67%	0	0	0.0%	41,877	6,688	526.2%
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%	6,917	9,346	-25.99%	0	0	0.0%	56,110	56,458	-0.6%
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 JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>Energy Futures</b>												
EUROPEAN GASOIL (ICE)	0	0	0.0%	156	551	-71.69%	0	0	0.0%	632	2,999	-78.9%
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%	867	0	0.00%	0	0	0.0%	12,292	2,076	492.1%
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 JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>Energy Futures</b>												
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 CALEND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CRACK SP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%	3,153,869	3,576,970	-11.83%	0	0	0.0%	18,829,488	23,059,023	-18.3%
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	4,422	-100.00%	0	0	0.0%	0	14,779	-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	13,454	-100.00%	0	0	0.0%	122	53,964	-99.8%
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 JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>Energy Futures</b>												
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%	161,160	178,012	-9.47%	0	0	0.0%	973,662	1,316,231	-26.0%
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%	1,622	15	10,713.33%	0	0	0.0%	3,843	429	795.8%
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	3	0.00%	0	0	0.0%	20	18	11.1%
MINY NATURAL GAS	0	0	0.0%	27,384	18,636	46.94%	0	0	0.0%	157,706	167,538	-5.9%
MINY RBOB GAS	0	0	0.0%	7	4	75.00%	0	0	0.0%	37	19	94.7%
MINY WTI CRUDE OIL	0	0	0.0%	590,831	380,831	55.14%	0	0	0.0%	2,658,389	1,976,858	34.5%
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%	32	31	3.23%	0	0	0.0%	72	88	-18.2%
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 JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>Energy Futures</b>												
NATURAL GAS	0	0	0.0%	43,974	16,156	172.18%	0	0	0.0%	242,414	310,964	-22.0%
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%	8,017,084	7,779,320	3.06%	0	0	0.0%	43,342,918	52,875,514	-18.0%
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%
NORTHEN NATURAL GAS DEM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHEN 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%	4	0	0.00%	0	0	0.0%	4	46	-91.3%
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 JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>Energy Futures</b>												
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 JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>Energy Futures</b>												
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 JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>Energy Futures</b>												
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%	4,047,757	3,965,280	2.08%	0	0	0.0%	25,371,842	23,556,440	7.7%
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	0	0.00%	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	0	0.00%	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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<b>Energy Futures</b>												
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%	0	9,239	-100.00%	0	0	0.0%	3,149	33,034	-90.5%
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	3	-100.00%	0	0	0.0%	0	3	-100.0%
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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	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>Energy Options</b>												
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%	1,500	100	1,400.00%	0	0	0.0%	1,800	2,400	-25.0%
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%	59,627	86,288	-30.90%	0	0	0.0%	414,489	292,823	41.5%
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%	9,800	13,950	-29.75%	0	0	0.0%	44,161	95,060	-53.5%
CRUDE OIL APO	0	0	0.0%	0	30	-100.00%	0	0	0.0%	3	331	-99.1%
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%	2,940,661	2,758,841	6.59%	0	0	0.0%	14,218,935	18,489,035	-23.1%
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%	5,192	5,622	-7.65%	0	0	0.0%	26,374	37,807	-30.2%
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	153	-100.00%	0	0	0.0%	2,870	154	1,763.6%
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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<b>Energy Options</b>												
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%	943,200	853,619	10.49%	0	0	0.0%	5,184,541	7,609,981	-31.9%
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%	41	82	-50.00%	0	0	0.0%	252	343	-26.5%
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%	1	15	-93.33%	0	0	0.0%	11	20	-45.0%
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%	4,358	2,488	75.16%	0	0	0.0%	22,107	25,717	-14.0%
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%	0	32	-100.00%	0	0	0.0%	43	500	-91.4%
SHORT TERM NATURAL GAS	0	0	0.0%	5	136	-96.32%	0	0	0.0%	84	562	-85.1%
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%	1,250	2,450	-48.98%	0	0	0.0%	27,805	135,261	-79.4%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	600	-100.00%	0	0	0.0%	8,600	13,750	-37.5%

### FX Futures

AD/CD CROSS RATES	0	0	0.0%	2	7	-71.43%	0	0	0.0%	104	42	147.6%
AD/JY CROSS RATES	0	0	0.0%	3,531	4,890	-27.79%	0	0	0.0%	17,789	23,468	-24.2%

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<b>FX Futures</b>												
AD/NE CROSS RATES	0	0	0.0%	130	66	96.97%	0	0	0.0%	508	452	12.4%
AUSTRALIAN DOLLAR	0	0	0.0%	2,534,270	2,461,509	2.96%	0	0	0.0%	13,146,796	14,566,543	-9.7%
BDI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BP/JY CROSS RATES	0	0	0.0%	3,846	2,542	51.30%	0	0	0.0%	15,123	19,389	-22.0%
BP/SF CROSS RATES	0	0	0.0%	350	279	25.45%	0	0	0.0%	2,374	1,969	20.6%
BRAZIL REAL	0	0	0.0%	142,891	124,216	15.03%	0	0	0.0%	675,466	584,154	15.6%
BRITISH POUND	0	0	0.0%	2,375,576	3,011,581	-21.12%	0	7	-100.0%	14,480,037	16,743,154	-13.5%
CANADIAN DOLLAR	0	5	-100.0%	1,922,067	2,130,178	-9.77%	3	38	-92.1%	9,818,521	11,025,234	-10.9%
CD/JY CROSS RATES	0	0	0.0%	0	14	-100.00%	0	0	0.0%	119	538	-77.9%
CHINESE RENMINBI (CNH)	0	0	0.0%	28,773	2,786	932.77%	0	0	0.0%	155,520	14,636	962.6%
CZECK KORUNA (EC)	0	-	-	8	-		0	-	-	18	-	-
CZECK KORUNA (US)	0	-	-	0	-		0	-	-	0	-	-
EC/AD CROSS RATES	0	0	0.0%	12,053	3,987	202.31%	0	0	0.0%	29,306	10,282	185.0%
EC/CD CROSS RATES	0	0	0.0%	7,446	6,230	19.52%	0	0	0.0%	19,760	23,198	-14.8%
EC/NOK CROSS RATES	0	0	0.0%	724	642	12.77%	0	0	0.0%	2,946	2,179	35.2%
EC/SEK CROSS RATES	0	0	0.0%	1,766	2,317	-23.78%	0	0	0.0%	4,121	5,547	-25.7%
EFX/BP CROSS RATES	0	0	0.0%	125,789	137,932	-8.80%	0	0	0.0%	547,521	497,564	10.0%
EFX/JY CROSS RATES	0	0	0.0%	103,005	128,820	-20.04%	0	0	0.0%	387,892	528,365	-26.6%
EFX/SF CROSS RATES	0	0	0.0%	58,651	39,014	50.33%	0	0	0.0%	201,125	177,323	13.4%
E-MICRO AUD/USD	0	0	0.0%	84,530	90,324	-6.41%	0	0	0.0%	695,440	597,599	16.4%
E-MICRO CAD/USD	0	0	0.0%	19,231	21,847	-11.97%	0	0	0.0%	101,076	112,649	-10.3%
E-MICRO CHF/USD	0	0	0.0%	2,720	1,644	65.45%	0	0	0.0%	11,689	8,260	41.5%
E-MICRO EUR/USD	0	0	0.0%	259,691	419,734	-38.13%	0	0	0.0%	1,515,470	2,463,981	-38.5%
E-MICRO GBP/USD	0	0	0.0%	31,001	41,991	-26.17%	0	0	0.0%	255,902	312,086	-18.0%
E-MICRO INR/USD	0	0	0.0%	3,555	5,877	-39.51%	0	0	0.0%	27,707	24,550	12.9%
E-MICRO JPY/USD	0	0	0.0%	27,801	28,472	-2.36%	0	0	0.0%	168,077	199,307	-15.7%
E-MINI EURO FX	0	0	0.0%	144,618	154,385	-6.33%	0	0	0.0%	602,719	672,518	-10.4%
E-MINI JAPANESE YEN	0	0	0.0%	9,903	17,728	-44.14%	0	0	0.0%	63,101	80,571	-21.7%
EURO FX	3	4	-25.0%	5,563,264	7,331,565	-24.12%	42	450	-90.7%	26,206,287	36,301,190	-27.8%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HUNGARIAN FORINT (US)	0	-	-	0	-		0	-	-	8	-	-
INDIAN RUPEE	0	0	0.0%	61,878	102,016	-39.34%	0	0	0.0%	414,559	556,767	-25.5%
JAPANESE YEN	0	83	-100.0%	3,156,837	3,075,581	2.64%	0	100	-100.0%	16,054,435	19,297,950	-16.8%
KOREAN WON	0	0	0.0%	429	224	91.52%	0	0	0.0%	1,488	1,525	-2.4%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>FX Futures</b>												
MEXICAN PESO	0	0	0.0%	1,636,529	1,791,902	-8.67%	0	0	0.0%	8,062,534	8,588,245	-6.1%
NEW ZEALND DOLLAR	0	0	0.0%	724,972	643,141	12.72%	0	0	0.0%	3,580,671	4,045,837	-11.5%
NKR/USD CROSS RATE	0	0	0.0%	9,058	6,241	45.14%	0	0	0.0%	26,061	24,418	6.7%
POLISH ZLOTY (EC)	0	0	0.0%	4	11	-63.64%	0	0	0.0%	394	75	425.3%
POLISH ZLOTY (US)	0	0	0.0%	129	75	72.00%	0	0	0.0%	583	594	-1.9%
RMB USD	0	0	0.0%	0	1	-100.00%	0	0	0.0%	5	17	-70.6%
RUSSIAN RUBLE	0	0	0.0%	139,804	52,160	168.03%	0	0	0.0%	397,997	338,019	17.7%
S.AFRICAN RAND	0	0	0.0%	55,817	57,203	-2.42%	0	0	0.0%	239,714	268,133	-10.6%
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%	4,308	6,390	-32.58%	0	0	0.0%	15,828	22,664	-30.2%
SWISS FRANC	0	0	0.0%	802,112	685,378	17.03%	0	0	0.0%	3,325,829	3,615,357	-8.0%
TURKISH LIRA	0	0	0.0%	8	0	0.00%	0	0	0.0%	16	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

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<b>FX Options</b>												
AUD/USD PQO 2pm Fix	0	0	0.0%	83,833	120,095	-30.19%	0	0	0.0%	613,890	755,169	-18.7%
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	-	-	2	-		0	-	-	56	-	-
BRITISH POUND	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRITISH POUND (EU)	0	0	0.0%	0	13	-100.00%	0	0	0.0%	0	241	-100.0%
CAD/USD PQO 2pm Fix	236	315	-25.1%	98,581	181,913	-45.81%	817	1,934	-57.8%	629,303	1,033,615	-39.1%
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%	4,557	5,418	-15.89%	0	0	0.0%	16,709	18,670	-10.5%
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	3	-100.00%	0	0	0.0%	0	31	-100.0%
EUR/USD PQO 2pm Fix	567	745	-23.9%	536,646	738,572	-27.34%	7,530	8,300	-9.3%	3,191,275	4,953,313	-35.6%
GBP/USD PQO 2pm Fix	33	96	-65.6%	82,474	225,534	-63.43%	732	576	27.1%	1,007,241	1,447,984	-30.4%
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	48	450	-89.3%	201,830	217,380	-7.15%	88	3,883	-97.7%	1,255,464	1,578,416	-20.5%
MEXICAN PESO	0	1,193	-100.0%	2,088	1,790	16.65%	900	3,888	-76.9%	8,840	9,682	-8.7%
NEW ZEALND DOLLAR	0	-	-	136	-		0	-	-	2,589	-	-
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%
<b>Ags Futures</b>												
FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
<b>Foreign Exchange Futures</b>												
CHILEAN PESO	0	0	0.0%	0	307	-100.00%	0	0	0.0%	0	8,795	-100.0%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Foreign Exchange Options</b>												
AUD/USD PQO 2pm Fix	0	0	0.0%	380	1,041	-63.50%	0	0	0.0%	5,386	4,655	15.7%
<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	3,106	4,941	-37.14%	0	0	0.0%	22,377	27,305	-18.0%
CASH-SETTLED CHEESE	0	0	0.0%	9,781	14,967	-34.65%	0	0	0.0%	67,404	60,453	11.5%
CATTLE	171	2,010	-91.5%	1,131,885	1,167,660	-3.06%	8,677	8,646	0.4%	8,888,356	8,323,047	6.8%
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	7,981	14,476	-44.9%	3,472,513	4,181,538	-16.96%	48,530	83,342	-41.8%	17,226,615	20,351,354	-15.4%
CLASS IV MILK	52	0	0.0%	1,905	675	182.22%	157	0	0.0%	14,800	3,568	314.8%
COCOA TAS	0	0	0.0%	8	0	0.00%	0	0	0.0%	8	5	60.0%
COFFEE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CORN	39,325	61,489	-36.0%	12,795,201	11,050,107	15.79%	166,514	210,734	-21.0%	59,461,081	53,908,371	10.3%
COTTON	0	0	0.0%	6	0	0.00%	0	0	0.0%	15	2	650.0%
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%	115,872	183,571	-36.88%	0	0	0.0%	317,119	534,624	-40.7%
DRY WHEY	0	0	0.0%	1,180	1,808	-34.73%	0	0	0.0%	8,333	7,869	5.9%
FEEDER CATTLE	15	0	0.0%	278,916	244,093	14.27%	105	12	775.0%	1,876,569	1,735,393	8.1%
FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	27,823	33,276	-16.39%	0	0	0.0%	173,417	191,679	-9.5%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	9	-100.00%	0	0	0.0%	0	305	-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	1,286	1,494	-13.9%	1,414,681	1,305,756	8.34%	12,025	8,619	39.5%	7,993,367	6,569,929	21.7%
HOUSING INDEX	0	0	0.0%	2	15	-86.67%	0	0	0.0%	71	52	36.5%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	577	884	-34.7%	1,511,605	1,564,282	-3.37%	6,535	7,449	-12.3%	8,029,563	8,592,950	-6.6%
LUMBER	0	0	0.0%	16,465	22,984	-28.36%	0	0	0.0%	87,249	118,709	-26.5%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Ag Products Futures</b>												
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	113	176	-35.8%	21,861	32,925	-33.60%	220	868	-74.7%	147,663	131,942	11.9%
MINI CORN	0	0	0.0%	27,326	12,076	126.28%	0	0	0.0%	84,681	65,367	29.5%
MINI SOYBEAN	0	0	0.0%	20,727	19,999	3.64%	0	0	0.0%	108,348	155,967	-30.5%
MINI WHEAT	0	0	0.0%	8,607	12,631	-31.86%	0	0	0.0%	33,376	43,555	-23.4%
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%	5,331	4,232	25.97%	0	43	-100.0%	40,176	31,094	29.2%
OATS	0	40	-100.0%	20,894	15,889	31.50%	0	40	-100.0%	89,236	90,724	-1.6%
ROUGH RICE	0	0	0.0%	24,411	29,840	-18.19%	31	0	0.0%	117,000	113,492	3.1%
SOYBEAN	4,707	18,210	-74.2%	5,492,924	6,256,150	-12.20%	36,206	96,843	-62.6%	25,541,170	32,346,002	-21.0%
SOYBEAN MEAL	762	4,201	-81.9%	2,713,914	3,132,135	-13.35%	4,380	28,582	-84.7%	14,174,852	16,579,708	-14.5%
SOYBEAN OIL	161	2,008	-92.0%	2,687,530	3,382,627	-20.55%	3,547	9,993	-64.5%	14,692,471	16,215,388	-9.4%
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%	10	0	0.00%	0	0	0.0%	10	58	-82.8%
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%	355	0	0.00%	0	0	0.0%	4,735	22	21,422.7%
<b>Ag Products Options</b>												
AUG-NOV SOYBEAN CAL SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BUTTER CS	102	2,254	-95.5%	1,725	3,824	-54.89%	3,715	7,791	-52.3%	20,074	16,744	19.9%
CASH-SETTLED CHEESE	1,217	3,414	-64.4%	7,269	11,140	-34.75%	11,271	15,990	-29.5%	50,765	44,063	15.2%
CATTLE	16,712	26,502	-36.9%	143,496	156,198	-8.13%	168,854	175,204	-3.6%	1,071,860	1,428,922	-25.0%
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	115,082	177,800	-35.3%	635,843	663,693	-4.20%	615,248	1,090,792	-43.6%	3,709,749	3,861,068	-3.9%
CLASS IV MILK	444	38	1,068.4%	3,323	770	331.56%	3,098	493	528.4%	22,279	4,999	345.7%
CORN	765,207	990,092	-22.7%	3,899,179	2,958,760	31.78%	2,928,812	3,762,447	-22.2%	15,265,322	10,627,876	43.6%
CORN NEARBY+2 CAL SPRD	10,232	50	20,364.0%	1,440	0	0.00%	25,782	6,978	269.5%	1,441	0	0.0%
DEC-DEC CORN CAL SPRD	1,581	1,921	-17.7%	25	0	0.00%	7,135	6,171	15.6%	2,285	0	0.0%
DEC-JULY CORN CAL SPRD	888	1,660	-46.5%	0	0	0.00%	15,406	3,160	387.5%	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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<b>Ag Products Options</b>												
DRY WHEY	185	296	-37.5%	549	951	-42.27%	692	1,119	-38.2%	5,490	2,521	117.8%
FEEDER CATTLE	3,304	980	237.1%	33,346	15,327	117.56%	12,598	13,133	-4.1%	183,448	173,388	5.8%
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	15,613	32,849	-52.5%	365,419	207,861	75.80%	214,627	154,077	39.3%	1,987,316	1,009,897	96.8%
HOUSING INDEX	0	0	0.0%	7	0	0.00%	0	0	0.0%	7	0	0.0%
Intercommodity Spread	0	1,510	-100.0%	0	0	0.00%	1,000	8,779	-88.6%	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	1,435	427	236.1%	0	0	0.00%	8,480	9,346	-9.3%	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	100	650	-84.6%	0	400	-100.00%	1,450	1,965	-26.2%	0	455	-100.0%
JULY-NOV SOYBEAN CAL SPR	0	210	-100.0%	0	0	0.00%	5,931	47,773	-87.6%	190	2,333	-91.9%
KC WHEAT	28,620	27,902	2.6%	82,420	46,416	77.57%	136,551	200,452	-31.9%	435,474	356,090	22.3%
LUMBER	0	49	-100.0%	1,899	1,962	-3.21%	70	206	-66.0%	11,399	11,866	-3.9%
LV CATL CSO	40	5	700.0%	0	0	0.00%	479	108	343.5%	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	3,698	5,101	-27.5%	30,589	40,167	-23.85%	16,482	41,060	-59.9%	208,317	145,976	42.7%
MLK MID OPTIONS	0	12	-100.0%	5	1	400.00%	8	290	-97.2%	181	1	18,000.0%
NFD MILK	147	488	-69.9%	3,317	4,937	-32.81%	767	7,233	-89.4%	39,623	25,564	55.0%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	750	1	74,900.0%	2,250	0	0.0%
NOV-MAR SOYBEAN CSO	0	10	-100.0%	0	0	0.00%	20	80	-75.0%	0	0	0.0%
NOV-NOV SOYBEAN CAL SPR	0	0	0.0%	750	0	0.00%	114	18	533.3%	750	0	0.0%
OATS	160	100	60.0%	181	179	1.12%	2,053	672	205.5%	1,622	1,810	-10.4%
ROUGH RICE	975	791	23.3%	615	1,204	-48.92%	7,329	3,304	121.8%	5,001	5,375	-7.0%
SEP-DEC SOYBEAN MEAL CSC	0	366	-100.0%	0	0	0.00%	0	1,166	-100.0%	0	0	0.0%
SOYBEAN	151,075	396,118	-61.9%	1,208,722	1,935,714	-37.56%	892,329	2,044,435	-56.4%	6,492,498	9,107,744	-28.7%
SOYBEAN CRUSH	0	10	-100.0%	0	0	0.00%	4	131	-96.9%	0	0	0.0%
SOYBEAN MEAL	27,452	111,554	-75.4%	142,574	259,347	-45.03%	200,587	761,724	-73.7%	784,648	1,309,990	-40.1%
SOYBEAN OIL	13,400	27,273	-50.9%	83,864	80,901	3.66%	112,071	219,051	-48.8%	555,757	494,587	12.4%
SOYBN NEARBY+2 CAL SPRD	0	10	-100.0%	0	0	0.00%	3,500	10	34,900.0%	2,000	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>Ag Products Options</b>												
SOYMEAL NEARBY+2 CAL SPR	0	2,000	-100.0%	0	0	0.00%	465	2,400	-80.6%	0	0	0.0%
WHEAT	0	0	0.0%	118	59	100.00%	4,816	610	689.5%	2,121	213	895.8%
WHEAT-CORN ICSSO	50	400	-87.5%	0	0	0.00%	2,580	3,345	-22.9%	0	0	0.0%
WHEAT NEARBY+2 CAL SPRD	0	1,685	-100.0%	0	955	-100.00%	2,040	6,735	-69.7%	200	3,206	-93.8%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	1,292,446	929,634	39.0%	163,067,455	122,446,251	33.2%	6,066,890	6,637,456	-8.6%	941,064,031	959,264,981	-1.9%
Equity Index Futures	63,932	99,374	-35.7%	64,141,046	54,134,278	18.5%	154,085	295,996	-47.9%	331,580,741	333,290,899	-0.5%
Metals Futures	0	0	0.0%	13,064,927	12,341,597	5.9%	0	0	0.0%	63,499,896	77,062,526	-17.6%
Energy Futures	0	0	0.0%	41,496,842	46,180,099	-10.1%	0	0	0.0%	253,668,463	279,292,803	-9.2%
FX Futures	3	92	-96.7%	20,059,077	22,590,900	-11.2%	45	595	-92.4%	101,272,663	121,756,354	-16.8%
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	307	-100.0%	0	0	0.0%	0	8,795	-100.0%
Ag Products Futures	55,150	104,988	-47.5%	31,804,839	32,674,186	-2.7%	286,927	455,171	-37.0%	159,200,062	166,198,989	-4.2%
<b>TOTAL FUTURES</b>	<b>1,411,531</b>	<b>1,134,088</b>	<b>24.5%</b>	<b>333,634,186</b>	<b>290,367,618</b>	<b>14.9%</b>	<b>6,507,947</b>	<b>7,389,218</b>	<b>-11.9%</b>	<b>1,850,285,856</b>	<b>1,936,875,347</b>	<b>-4.5%</b>
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	700,991	807,150	-13.2%	11,537,533	11,374,274	1.4%	4,112,668	6,540,317	-37.1%	72,422,594	101,303,259	-28.5%
Interest Rate Options	33,827,345	17,977,202	88.2%	40,103,351	24,956,007	60.7%	156,844,479	140,619,315	11.5%	189,674,312	163,762,614	15.8%
Metals Options	0	0	0.0%	2,057,081	980,773	109.7%	0	0	0.0%	6,984,850	5,707,804	22.4%
Energy Options	0	0	0.0%	3,965,635	3,724,406	6.5%	0	0	0.0%	19,952,075	26,703,750	-25.3%
FX Options	884	2,799	-68.4%	1,010,147	1,490,718	-32.2%	10,067	18,581	-45.8%	6,725,441	9,797,184	-31.4%
Ag Products Options	1,157,719	1,814,527	-36.2%	6,646,675	6,390,766	4.0%	5,407,114	8,598,449	-37.1%	30,863,219	28,634,788	7.8%
Foreign Exchange Options	0	0	0.0%	380	1,041	-63.5%	0	0	0.0%	5,386	4,655	15.7%
<b>TOTAL OPTIONS</b>	<b>35,686,939</b>	<b>20,601,678</b>	<b>73.2%</b>	<b>65,320,802</b>	<b>48,917,985</b>	<b>33.5%</b>	<b>166,374,328</b>	<b>155,776,662</b>	<b>6.8%</b>	<b>326,627,877</b>	<b>335,914,054</b>	<b>-2.8%</b>

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 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
<b>TOTAL COMBINED</b>												
Interest Rate	35,119,791	18,906,836	85.8%	203,170,806	147,402,258	37.8%	162,911,369	147,256,771	10.6%	1,130,738,343	1,123,027,595	0.7%
Equity Index	764,923	906,524	-15.6%	75,678,579	65,508,552	15.5%	4,266,753	6,836,313	-37.6%	404,003,335	434,594,158	-7.0%
Metals	0	0	0.0%	15,122,008	13,322,370	13.5%	0	0	0.0%	70,484,746	82,770,330	-14.8%
Energy	0	0	0.0%	45,462,477	49,904,505	-8.9%	0	0	0.0%	273,620,538	305,996,553	-10.6%
FX	887	2,891	-69.3%	21,069,224	24,081,618	-12.5%	10,112	19,176	-47.3%	107,998,104	131,553,538	-17.9%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange	0	0	0.0%	380	1,348	-71.8%	0	0	0.0%	5,386	13,450	-60.0%
Ag Products	1,212,869	1,919,515	-36.8%	38,451,514	39,064,952	-1.6%	5,694,041	9,053,620	-37.1%	190,063,281	194,833,777	-2.4%
<b>GRAND TOTAL</b>	<b>37,098,470</b>	<b>21,735,766</b>	<b>70.7%</b>	<b>398,954,988</b>	<b>339,285,603</b>	<b>17.6%</b>	<b>172,882,275</b>	<b>163,165,880</b>	<b>6.0%</b>	<b>2,176,913,733</b>	<b>2,272,789,401</b>	<b>-4.2%</b>

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