



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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	161,559	125,267	29.0%	55,016,218	42,886,170	28.28%	1,058,464	1,057,532	0.1%	300,860,932	290,560,935	3.5%
10-YR SWAP RATE	0	0	0.0%	55,780	15,237	266.08%	0	0	0.0%	318,345	309,732	2.8%
15-YR SWAP RATE	0	-	-	0	-	-	0	-	-	0	-	-
1-MONTH EURODOLLAR	0	0	0.0%	208	61	240.98%	0	0	0.0%	395	31,227	-98.7%
20-YR SWAP RATE	0	-	-	0	-	-	0	-	-	46	-	-
2-YR NOTE	1,681	6,765	-75.2%	24,179,873	13,688,044	76.65%	18,256	26,415	-30.9%	113,688,622	83,146,445	36.7%
2-YR SWAP RATE	0	-	-	52,862	-	-	0	-	-	370,168	-	-
30-YR BOND	20,736	29,213	-29.0%	12,086,872	8,537,215	41.58%	144,432	171,827	-15.9%	58,797,661	57,870,004	1.6%
30-YR SWAP RATE	0	0	0.0%	508	0	0.00%	0	0	0.0%	5,506	983	460.1%
3-YR SWAP RATE	0	-	-	27,725	-	-	0	-	-	123,716	-	-
4-YR SWAP RATE	0	-	-	4,374	-	-	0	-	-	84,915	-	-
5-YR NOTE	48,978	23,498	108.4%	38,236,016	28,895,666	32.32%	341,323	267,803	27.5%	195,218,293	179,694,085	8.6%
5-YR SWAP RATE	0	0	0.0%	78,158	11,432	583.68%	0	0	0.0%	564,510	179,470	214.5%
7-YR SWAP RATE	0	-	-	1,432	-	-	0	-	-	32,652	-	-
EURODOLLARS	1,002,728	632,038	58.6%	70,653,666	42,462,902	66.39%	6,489,670	6,594,103	-1.6%	493,034,474	490,674,097	0.5%
FED FUND	0	0	0.0%	8,756,833	3,648,428	140.02%	0	0	0.0%	61,667,695	40,871,944	50.9%
SOFR	0	0	0.0%	826,150	140,115	489.62%	0	0	0.0%	4,976,812	271,131	1,735.6%
SONIA	0	-	-	180,968	-	-	0	-	-	1,452,412	-	-
Ultra 10-Year Note	0	0	0.0%	8,608,967	4,660,336	84.73%	0	0	0.0%	38,250,073	29,927,525	27.8%
ULTRA T-BOND	0	0	0.0%	6,942,950	5,386,635	28.89%	66	230	-71.3%	31,392,187	28,567,191	9.9%
Interest Rate Options												
10-YR NOTE	2,670,329	2,142,687	24.6%	13,894,162	10,481,444	32.56%	19,004,574	17,287,927	9.9%	88,251,733	83,888,605	5.2%
2-YR NOTE	164,619	175,410	-6.2%	321,224	468,405	-31.42%	1,190,267	1,155,956	3.0%	2,876,899	3,123,837	-7.9%
30-YR BOND	440,149	423,397	4.0%	3,866,019	2,575,895	50.08%	2,483,619	2,562,755	-3.1%	20,800,054	18,340,089	13.4%
5-YR NOTE	1,170,403	817,109	43.2%	3,689,526	2,353,927	56.74%	7,506,963	5,538,895	35.5%	29,619,918	20,661,655	43.4%
EURODOLLARS	15,818,669	7,766,761	103.7%	9,378,117	3,459,250	171.10%	115,530,422	74,759,399	54.5%	66,560,139	35,730,481	86.3%
EURO MIDCURVE	4,913,893	6,875,279	-28.5%	4,839,833	3,907,213	23.87%	57,853,923	72,281,157	-20.0%	46,794,103	41,637,931	12.4%
FED FUND	1,450	0	0.0%	4	495	-99.19%	19,800	1,750	1,031.4%	1,815	15,763	-88.5%
Ultra 10-Year Note	9,356	0	0.0%	0	0	0.00%	21,484	0	0.0%	5,328	28	18,928.6%
ULTRA T-BOND	20,608	2,064	898.4%	2,935	1,867	57.20%	136,334	29,171	367.4%	13,004	19,033	-31.7%

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Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	99,791	126,908	-21.37%	0	0	0.0%	1,193,881	598,080	99.6%
DJ US REAL ESTATE	0	0	0.0%	15,932	19,585	-18.65%	0	0	0.0%	178,355	181,772	-1.9%
E-mini (\$5) Dow	0	0	0.0%	5,761,299	2,987,875	92.82%	0	0	0.0%	36,239,952	37,803,006	-4.1%
E-MINI COM SERVICES SELEC	0	-	-	1,408	-	-	0	-	-	20,097	-	-
E-mini FTSE 100 (USD)	0	0	0.0%	0	682	-100.00%	0	0	0.0%	336	11,487	-97.1%
E-mini FTSE China 50	0	0	0.0%	0	924	-100.00%	0	0	0.0%	711	9,108	-92.2%
E-MINI MIDCAP	0	0	0.0%	326,041	224,851	45.00%	0	0	0.0%	2,637,357	2,848,433	-7.4%
E-MINI NASDAQ 100	0	0	0.0%	13,360,015	7,565,326	76.60%	0	0	0.0%	80,826,370	69,901,498	15.6%
E-MINI RUSSELL 1000	0	0	0.0%	3,074	5,505	-44.16%	0	0	0.0%	26,999	66,083	-59.1%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	3,897	4,845	-19.57%	0	0	0.0%	27,860	56,932	-51.1%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	8,342	7,936	5.12%	0	0	0.0%	56,970	72,606	-21.5%
E-MINI RUSSELL 2000	0	0	0.0%	3,477,931	2,178,598	59.64%	0	0	0.0%	23,796,325	21,449,882	10.9%
E-MINI S&P500	0	0	0.0%	44,538,024	24,909,223	78.80%	0	0	0.0%	269,061,727	265,867,412	1.2%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	3,310	2,157	53.45%	0	0	0.0%	20,529	25,056	-18.1%
FT-SE 100	0	0	0.0%	0	1,480	-100.00%	0	0	0.0%	372	10,621	-96.5%
FTSE Emerging	0	0	0.0%	1,435	1,708	-15.98%	0	0	0.0%	16,651	3,752	343.8%
IBOVESPA INDEX	0	0	0.0%	907	1,500	-39.53%	0	0	0.0%	4,986	8,598	-42.0%
MICRO E-MINI NASDAQ 100	0	-	-	6,603,515	-	-	0	-	-	16,989,488	-	-
MICRO E-MINI RUSSELL 2000	0	-	-	1,008,239	-	-	0	-	-	2,567,434	-	-
MICRO E-MINI S&P500	0	-	-	9,553,465	-	-	0	-	-	23,464,879	-	-
MICRO MINI \$5 DOW	0	-	-	1,613,300	-	-	0	-	-	4,423,487	-	-
NASDAQ BIOTECH	0	0	0.0%	191	0	0.00%	0	0	0.0%	2,239	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%	285,548	172,247	65.78%	0	0	0.0%	1,778,003	2,490,204	-28.6%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	1,223,699	628,732	94.63%	228	0	0.0%	6,531,659	6,928,933	-5.7%
S&P 500	8,132	10,010	-18.8%	2,644	1,217	117.26%	166,436	314,532	-47.1%	12,301	38,081	-67.7%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	7,603	4,090	85.89%	0	0	0.0%	78,668	31,194	152.2%
S&P 500/GI	0	0	0.0%	0	1	-100.00%	0	0	0.0%	40	53	-24.5%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	360	100	260.00%	0	0	0.0%	941	562	67.4%
S&P 600 SMALLCAP EMINI	0	-	-	0	-	-	0	-	-	0	-	-
S&P CONSUMER DSCRTRY S	0	0	0.0%	5,629	8,420	-33.15%	0	0	0.0%	53,304	100,902	-47.2%
S&P CONSUMER STAPLES SE	0	0	0.0%	5,937	8,342	-28.83%	0	0	0.0%	78,654	90,893	-13.5%
S&P ENERGY SECTOR	0	0	0.0%	10,273	20,116	-48.93%	0	0	0.0%	86,084	150,193	-42.7%

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Equity Index Futures												
S&P FINANCIAL SECTOR	0	0	0.0%	18,048	21,920	-17.66%	0	0	0.0%	136,658	218,190	-37.4%
S&P HEALTH CARE SECTOR	0	0	0.0%	8,486	10,952	-22.52%	0	0	0.0%	81,792	93,006	-12.1%
S&P INDUSTRIAL SECTOR	0	0	0.0%	7,503	11,466	-34.56%	0	0	0.0%	58,845	93,041	-36.8%
S&P MATERIALS SECTOR	0	0	0.0%	2,950	5,380	-45.17%	0	0	0.0%	45,443	50,967	-10.8%
S&P TECHNOLOGY SECTOR	0	0	0.0%	7,089	11,250	-36.99%	0	0	0.0%	76,231	136,870	-44.3%
S&P UTILITIES SECTOR	0	0	0.0%	13,023	25,918	-49.75%	0	0	0.0%	123,660	162,208	-23.8%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	48	56	-14.3%
YEN DENOMINATED TOPIX	0	0	0.0%	26,025	798	3,161.28%	0	0	0.0%	151,114	3,844	3,831.2%
Equity Index Options												
E-mini (\$5) Dow	0	0	0.0%	4,661	7,989	-41.66%	0	0	0.0%	33,262	80,404	-58.6%
E-MINI NASDAQ 100	0	0	0.0%	295,303	206,220	43.20%	0	0	0.0%	1,710,985	1,927,997	-11.3%
E-MINI RUSSELL 2000	0	0	0.0%	25,010	14,637	70.87%	0	0	0.0%	109,182	102,929	6.1%
E-MINI S&P500	55	345	-84.1%	9,450,284	5,812,924	62.57%	400	14,660	-97.3%	42,850,636	46,201,192	-7.3%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	13,222	6,480	104.04%	0	0	0.0%	72,025	46,616	54.5%
EOM EMINI S&P	0	0	0.0%	3,333,755	2,586,242	28.90%	0	0	0.0%	16,034,203	20,605,099	-22.2%
EOM S&P 500	117,664	154,407	-23.8%	0	0	0.00%	1,019,036	1,516,527	-32.8%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,123	752	49.34%	0	0	0.0%	12,589	16,567	-24.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	2,535	1,119	126.54%	0	0	0.0%	15,431	22,188	-30.5%
EOW1 EMINI S&P 500	0	0	0.0%	1,206,293	962,271	25.36%	0	0	0.0%	7,894,856	8,662,151	-8.9%
EOW1 S&P 500	69,415	77,862	-10.8%	0	0	0.00%	536,902	649,742	-17.4%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	4,402	2,758	59.61%	0	0	0.0%	39,695	40,695	-2.5%
EOW2 EMINI S&P 500	0	0	0.0%	1,251,796	893,708	40.07%	0	0	0.0%	8,078,721	10,050,918	-19.6%
EOW2 S&P 500	119,470	185,644	-35.6%	0	0	0.00%	979,696	1,274,241	-23.1%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	14,821	13,308	11.37%	0	0	0.0%	92,121	169,874	-45.8%
EOW3 EMINI S&P 500	0	0	0.0%	3,073,109	2,712,429	13.30%	0	0	0.0%	19,053,613	29,063,953	-34.4%
EOW3 S&P 500	110,674	234,745	-52.9%	0	0	0.00%	1,053,138	2,446,691	-57.0%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	4,113	3,088	33.19%	0	0	0.0%	25,452	45,817	-44.4%
EOW4 EMINI S&P 500	0	0	0.0%	1,315,697	991,860	32.65%	0	0	0.0%	6,868,038	9,496,537	-27.7%
S&P 500	290,442	286,481	1.4%	0	0	0.00%	1,858,351	2,415,602	-23.1%	0	0	0.0%

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Metals Futures												
ALUMINUM	0	0	0.0%	3,562	419	750.12%	0	0	0.0%	8,130	6,023	35.0%
COMEX COPPER	0	0	0.0%	2,385,062	3,377,601	-29.39%	0	0	0.0%	16,925,892	23,552,439	-28.1%
COMEX E-Mini GOLD	0	0	0.0%	44,915	7,762	478.65%	0	0	0.0%	144,297	59,958	140.7%
COMEX E-Mini SILVER	0	0	0.0%	7,551	1,210	524.05%	0	0	0.0%	33,923	9,776	247.0%
COMEX GOLD	0	0	0.0%	9,294,106	6,082,485	52.80%	0	0	0.0%	53,807,893	55,810,658	-3.6%
COMEX MINY COPPER	0	0	0.0%	733	381	92.39%	0	0	0.0%	5,345	3,921	36.3%
COMEX SILVER	0	0	0.0%	2,959,771	2,303,039	28.52%	0	0	0.0%	15,502,643	16,459,272	-5.8%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
E-MICRO GOLD	0	0	0.0%	889,807	164,142	442.10%	0	0	0.0%	2,967,222	1,070,839	177.1%
FERROUS PRODUCTS	0	0	0.0%	193	165	16.97%	0	0	0.0%	4,255	276	1,441.7%
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	18	-100.00%	0	0	0.0%	28	135	-79.3%
LNDN ZINC	0	0	0.0%	0	1,435	-100.00%	0	0	0.0%	1,230	4,266	-71.2%
NYMEX HOT ROLLED STEEL	0	0	0.0%	1,499	2,910	-48.49%	0	0	0.0%	27,701	25,820	7.3%
NYMEX PLATINUM	0	0	0.0%	482,794	404,093	19.48%	0	0	0.0%	3,595,566	3,535,327	1.7%
PALLADIUM	0	0	0.0%	129,050	168,470	-23.40%	0	0	0.0%	853,964	963,247	-11.3%
SILVER	0	0	0.0%	56,056	9,435	494.13%	0	0	0.0%	174,868	60,622	188.5%
URANIUM	0	0	0.0%	0	174	-100.00%	0	0	0.0%	395	305	29.5%

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Metals Options												
COMEX COPPER	0	0	0.0%	43,787	19,743	121.78%	0	0	0.0%	346,039	141,106	145.2%
COMEX GOLD	0	0	0.0%	1,644,794	943,386	74.35%	0	0	0.0%	8,204,961	6,270,418	30.9%
COMEX SILVER	0	0	0.0%	319,560	139,306	129.39%	0	0	0.0%	1,226,861	1,048,268	17.0%
COPPER	0	0	0.0%	480	211	127.49%	0	0	0.0%	1,255	399	214.5%
GOLD	0	0	0.0%	196,244	51,916	278.00%	0	0	0.0%	940,872	313,547	200.1%
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%	2,736	3,284	-16.69%	0	0	0.0%	12,022	15,849	-24.1%
PALLADIUM	0	0	0.0%	390	1,279	-69.51%	0	0	0.0%	4,820	12,669	-62.0%
SILVER	0	0	0.0%	8,540	3,850	121.82%	0	0	0.0%	37,772	13,693	175.8%
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%	2,241,059	1,191,765	88.05%	0	0	0.0%	16,978,503	13,765,350	23.3%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	35	56	-37.50%	0	0	0.0%	509	1,901	-73.2%
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%	6	1	500.00%	0	0	0.0%	129	32	303.1%
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%	27,453,182	19,206,267	42.94%	0	0	0.0%	199,135,136	206,790,064	-3.7%
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 AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	9,459	417	2,168.35%	0	0	0.0%	68,701	7,587	805.5%
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%	4,336	8,237	-47.36%	0	0	0.0%	65,837	71,341	-7.7%
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 AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	84	334	-74.85%	0	0	0.0%	816	3,651	-77.6%
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%	1,913	915	109.07%	0	0	0.0%	19,348	2,991	546.9%
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 AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	2	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%	3,187,525	3,376,550	-5.60%	0	0	0.0%	24,901,004	29,606,828	-15.9%
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	4,497	-100.00%	0	0	0.0%	0	23,320	-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	244	-100.00%	0	0	0.0%	122	54,879	-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 AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LOS ANGELES CARB GASOLIN	0	-	-	0	-	-	0	-	-	0	-	-
LTD NAT GAS	0	0	0.0%	108,673	158,535	-31.45%	0	0	0.0%	1,233,730	1,621,630	-23.9%
MARS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	0	375	-100.00%	0	0	0.0%	480	375	28.0%
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%	192	5	3,740.00%	0	0	0.0%	4,491	719	524.6%
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	7	-57.14%	0	0	0.0%	26	29	-10.3%
MINY NATURAL GAS	0	0	0.0%	34,885	17,133	103.61%	0	0	0.0%	226,069	203,119	11.3%
MINY RBOB GAS	0	0	0.0%	13	5	160.00%	0	0	0.0%	56	28	100.0%
MINY WTI CRUDE OIL	0	0	0.0%	530,406	310,323	70.92%	0	0	0.0%	3,739,038	2,690,332	39.0%
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%	37	34	8.82%	0	0	0.0%	112	170	-34.1%
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 AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	27,402	23,549	16.36%	0	0	0.0%	298,569	365,804	-18.4%
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%	9,054,319	8,237,496	9.92%	0	0	0.0%	61,225,216	67,980,414	-9.9%
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%	6	9	-33.33%	0	0	0.0%	14	67	-79.1%
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 AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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 AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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 AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	3,465,573	4,633,674	-25.21%	0	0	0.0%	32,849,575	31,966,847	2.8%
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	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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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	1,170	1,336	-12.43%	0	0	0.0%	4,469	40,562	-89.0%
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	6	-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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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	0	0	0.00%	0	0	0.0%	1,800	2,900	-37.9%
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%	57,498	57,868	-0.64%	0	0	0.0%	513,365	464,813	10.4%
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%	21,050	13,630	54.44%	0	0	0.0%	69,511	120,890	-42.5%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	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%	2,674,540	2,479,684	7.86%	0	0	0.0%	19,111,220	23,528,687	-18.8%
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%	4,123	2,957	39.43%	0	0	0.0%	33,935	42,884	-20.9%
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%	7,950	245	3,144.90%	0	0	0.0%	11,520	1,386	731.2%
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 AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	912,013	1,193,806	-23.60%	0	0	0.0%	7,150,316	9,603,933	-25.5%
NATURAL GAS WINTER STRIP	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%
NY HARBOR HEAT OIL SWP	0	0	0.0%	80	36	122.22%	0	0	0.0%	377	446	-15.5%
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%	4	3	33.33%	0	0	0.0%	21	23	-8.7%
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%	2,939	1,600	83.69%	0	0	0.0%	29,281	28,775	1.8%
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	356	-100.00%	0	0	0.0%	43	981	-95.6%
SHORT TERM NATURAL GAS	0	0	0.0%	0	64	-100.00%	0	0	0.0%	84	810	-89.6%
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%	1,400	1,150	21.74%	0	0	0.0%	30,605	137,661	-77.8%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	500	-100.00%	0	0	0.0%	8,600	15,050	-42.9%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	8	9	-11.11%	0	0	0.0%	117	52	125.0%
AD/JY CROSS RATES	0	0	0.0%	3,259	4,500	-27.58%	0	0	0.0%	22,811	33,230	-31.4%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	212	120	76.67%	0	0	0.0%	885	665	33.1%
AUSTRALIAN DOLLAR	0	0	0.0%	1,879,723	2,434,936	-22.80%	0	0	0.0%	16,894,303	18,971,624	-10.9%
BDI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BP/JY CROSS RATES	0	0	0.0%	4,197	3,125	34.30%	0	0	0.0%	22,534	24,977	-9.8%
BP/SF CROSS RATES	0	0	0.0%	241	456	-47.15%	0	0	0.0%	3,462	2,910	19.0%
BRAZIL REAL	0	0	0.0%	221,401	137,790	60.68%	0	0	0.0%	1,008,601	793,486	27.1%
BRITISH POUND	0	0	0.0%	2,330,557	2,313,682	0.73%	0	7	-100.0%	18,887,874	21,548,891	-12.3%
CANADIAN DOLLAR	0	3	-100.0%	1,645,085	1,632,729	0.76%	3	41	-92.7%	12,846,073	14,065,653	-8.7%
CD/JY CROSS RATES	0	0	0.0%	1	307	-99.67%	0	0	0.0%	126	849	-85.2%
CHINESE RENMINBI (CNH)	0	0	0.0%	37,560	20,530	82.95%	0	0	0.0%	220,020	38,134	477.0%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	18	2	800.0%
CZECK KORUNA (US)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	15	-100.0%
EC/AD CROSS RATES	0	0	0.0%	2,968	1,573	88.68%	0	0	0.0%	35,764	12,869	177.9%
EC/CD CROSS RATES	0	0	0.0%	1,636	1,067	53.33%	0	0	0.0%	22,990	25,177	-8.7%
EC/NOK CROSS RATES	0	0	0.0%	722	498	44.98%	0	0	0.0%	4,038	2,985	35.3%
EC/SEK CROSS RATES	0	0	0.0%	259	333	-22.22%	0	0	0.0%	4,789	6,187	-22.6%
EFX/BP CROSS RATES	0	0	0.0%	76,711	52,731	45.48%	0	0	0.0%	702,816	607,272	15.7%
EFX/JY CROSS RATES	0	0	0.0%	63,341	62,352	1.59%	0	0	0.0%	492,229	630,265	-21.9%
EFX/SF CROSS RATES	0	0	0.0%	31,881	24,829	28.40%	0	0	0.0%	260,450	217,748	19.6%
E-MICRO AUD/USD	0	0	0.0%	100,077	149,459	-33.04%	0	0	0.0%	893,344	846,303	5.6%
E-MICRO CAD/USD	0	0	0.0%	19,084	18,790	1.56%	0	0	0.0%	137,824	145,699	-5.4%
E-MICRO CHF/USD	0	0	0.0%	6,084	1,712	255.37%	0	0	0.0%	22,065	11,298	95.3%
E-MICRO EUR/USD	0	0	0.0%	218,126	322,810	-32.43%	0	0	0.0%	1,958,012	3,032,428	-35.4%
E-MICRO GBP/USD	0	0	0.0%	46,219	36,069	28.14%	0	0	0.0%	343,001	381,922	-10.2%
E-MICRO INR/USD	0	0	0.0%	6,623	6,170	7.34%	0	0	0.0%	40,190	34,990	14.9%
E-MICRO JPY/USD	0	0	0.0%	43,529	27,834	56.39%	0	0	0.0%	236,620	252,365	-6.2%
E-MINI EURO FX	0	0	0.0%	84,969	85,681	-0.83%	0	0	0.0%	771,877	827,688	-6.7%
E-MINI JAPANESE YEN	0	0	0.0%	43,174	12,381	248.71%	0	0	0.0%	130,407	108,213	20.5%
EURO FX	4	82	-95.1%	3,974,693	5,979,689	-33.53%	57	534	-89.3%	33,955,749	46,766,922	-27.4%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	0	0	0.00%	0	0	0.0%	8	0	0.0%
INDIAN RUPEE	0	0	0.0%	98,732	73,591	34.16%	0	0	0.0%	572,170	695,568	-17.7%
JAPANESE YEN	0	0	0.0%	3,368,694	2,508,142	34.31%	2	102	-98.0%	21,589,141	24,566,532	-12.1%
KOREAN WON	0	0	0.0%	522	136	283.82%	0	0	0.0%	2,339	1,773	31.9%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	1,163,826	1,341,303	-13.23%	0	0	0.0%	10,097,722	11,168,255	-9.6%
NEW ZEALND DOLLAR	0	0	0.0%	525,129	577,660	-9.09%	0	0	0.0%	4,598,110	5,150,696	-10.7%
NKR/USD CROSS RATE	0	0	0.0%	5,679	5,196	9.30%	0	0	0.0%	36,161	33,078	9.3%
POLISH ZLOTY (EC)	0	0	0.0%	13	64	-79.69%	0	0	0.0%	418	148	182.4%
POLISH ZLOTY (US)	0	0	0.0%	75	77	-2.60%	0	0	0.0%	780	701	11.3%
RMB USD	0	0	0.0%	1	5	-80.00%	0	0	0.0%	6	23	-73.9%
RUSSIAN RUBLE	0	0	0.0%	75,398	40,562	85.88%	0	0	0.0%	524,477	401,824	30.5%
S.AFRICAN RAND	0	0	0.0%	83,416	63,869	30.60%	0	0	0.0%	374,929	368,994	1.6%
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%	2,218	4,109	-46.02%	0	0	0.0%	19,852	29,748	-33.3%
SWISS FRANCO	0	0	0.0%	622,896	627,750	-0.77%	0	0	0.0%	4,411,983	4,744,550	-7.0%
TURKISH LIRA	0	0	0.0%	4	5	-20.00%	0	0	0.0%	60	5	1,100.0%
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 AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	93,052	132,500	-29.77%	0	0	0.0%	776,869	989,925	-21.5%
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	-	-	57	-		0	-	-	136	-	-
BRITISH POUND	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRITISH POUND (EU)	0	0	0.0%	0	18	-100.00%	0	0	0.0%	0	272	-100.0%
CAD/USD PQO 2pm Fix	10	21	-52.4%	89,828	131,239	-31.55%	867	1,965	-55.9%	787,309	1,287,457	-38.8%
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%	3,025	2,338	29.38%	0	0	0.0%	22,339	24,559	-9.0%
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	20	-100.00%	0	0	0.0%	0	56	-100.0%
EUR/USD PQO 2pm Fix	415	2,146	-80.7%	596,049	771,758	-22.77%	8,768	11,597	-24.4%	4,338,828	6,241,697	-30.5%
GBP/USD PQO 2pm Fix	44	0	0.0%	101,825	300,996	-66.17%	824	576	43.1%	1,253,579	1,969,228	-36.3%
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	0	78	-100.0%	273,785	247,509	10.62%	163	4,043	-96.0%	1,692,258	2,105,483	-19.6%
MEXICAN PESO	0	200	-100.0%	3,302	564	485.46%	900	4,088	-78.0%	13,337	12,558	6.2%
NEW ZEALND DOLLAR	0	-	-	537	-		0	-	-	3,649	-	-
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 PRODUCTS	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	1,960	-100.00%	0	0	0.0%	0	11,348	-100.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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
Foreign Exchange Options												
AUD/USD PQO 2pm Fix	0	0	0.0%	564	1,782	-68.35%	0	0	0.0%	6,503	6,676	-2.6%
Ag Products Futures												
BUTTER CS	0	0	0.0%	4,685	3,187	47.00%	0	0	0.0%	32,763	33,758	-2.9%
CASH-SETTLED CHEESE	0	0	0.0%	8,904	9,667	-7.89%	0	0	0.0%	89,139	80,716	10.4%
CATTLE	968	1,267	-23.6%	1,331,320	1,202,454	10.72%	9,796	10,881	-10.0%	11,538,688	11,000,910	4.9%
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%	25	0	0.0%
CHI WHEAT	6,630	15,691	-57.7%	2,850,528	4,133,220	-31.03%	59,117	119,871	-50.7%	22,333,260	27,427,024	-18.6%
CLASS IV MILK	1	0	0.0%	2,887	605	377.19%	158	0	0.0%	18,947	4,750	298.9%
COCOA TAS	0	0	0.0%	0	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	27,291	30,661	-11.0%	9,981,819	8,242,340	21.10%	211,887	292,653	-27.6%	77,295,350	68,541,806	12.8%
COTTON	0	0	0.0%	1	2	-50.00%	0	0	0.0%	30	4	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%	23,989	39,428	-39.16%	0	0	0.0%	366,123	631,113	-42.0%
DRY WHEY	0	0	0.0%	734	1,238	-40.71%	0	0	0.0%	9,975	10,162	-1.8%
FEEDER CATTLE	0	0	0.0%	363,903	372,382	-2.28%	178	17	947.1%	2,545,490	2,445,833	4.1%
FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	26,874	30,402	-11.60%	0	0	0.0%	227,774	250,864	-9.2%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	338	-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	781	1,716	-54.5%	1,213,479	1,306,421	-7.11%	13,935	11,683	19.3%	10,769,622	9,123,227	18.0%
HOUSING INDEX	0	0	0.0%	10	8	25.00%	0	0	0.0%	91	65	40.0%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	928	2,176	-57.4%	1,583,778	1,650,535	-4.04%	7,672	10,369	-26.0%	10,709,717	11,282,483	-5.1%
LUMBER	0	0	0.0%	13,519	19,928	-32.16%	0	0	0.0%	113,206	153,951	-26.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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	0	144	-100.0%	24,548	27,685	-11.33%	260	1,182	-78.0%	198,071	182,945	8.3%
MINI CORN	0	0	0.0%	20,987	10,167	106.42%	0	0	0.0%	122,520	83,921	46.0%
MINI SOYBEAN	0	0	0.0%	18,777	16,998	10.47%	0	0	0.0%	144,656	190,264	-24.0%
MINI WHEAT	0	0	0.0%	11,517	11,591	-0.64%	0	0	0.0%	54,149	66,132	-18.1%
MLK MID OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NFD MILK	5	0	0.0%	5,564	4,720	17.88%	19	43	-55.8%	50,765	41,863	21.3%
OATS	0	0	0.0%	7,989	14,813	-46.07%	0	40	-100.0%	106,346	112,378	-5.4%
ROUGH RICE	0	8	-100.0%	30,865	26,718	15.52%	31	8	287.5%	161,287	150,880	6.9%
SOYBEAN	5,141	16,653	-69.1%	3,618,707	3,947,839	-8.34%	45,889	125,753	-63.5%	32,833,004	39,920,951	-17.8%
SOYBEAN MEAL	1,885	1,817	3.7%	2,192,632	2,629,327	-16.61%	7,111	31,337	-77.3%	18,283,719	21,534,169	-15.1%
SOYBEAN OIL	390	704	-44.6%	2,599,055	2,154,532	20.63%	4,428	12,197	-63.7%	19,466,996	20,482,504	-5.0%
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%	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%	1,185	0	0.00%	0	0	0.0%	6,911	22	31,313.6%
Ag Products Options												
AUG-NOV SOYBEAN CAL SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BUTTER CS	279	595	-53.1%	1,344	2,862	-53.04%	4,194	8,904	-52.9%	23,495	21,866	7.4%
CASH-SETTLED CHEESE	1,076	1,270	-15.3%	6,194	8,029	-22.85%	13,071	19,666	-33.5%	64,907	59,080	9.9%
CATTLE	20,040	21,022	-4.7%	192,413	133,480	44.15%	200,308	214,799	-6.7%	1,384,991	1,749,010	-20.8%
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	0.00%	-	0	0.0%	-	0	0.0%
CHI WHEAT	105,939	235,627	-55.0%	541,952	807,118	-32.85%	811,153	1,559,461	-48.0%	4,774,213	5,330,769	-10.4%
CLASS IV MILK	192	77	149.4%	2,802	2,172	29.01%	3,409	692	392.6%	28,521	8,503	235.4%
CORN	478,547	591,120	-19.0%	2,791,744	1,753,517	59.21%	3,825,199	5,011,758	-23.7%	20,707,213	14,369,364	44.1%
CORN NEARBY+2 CAL SPRD	6,255	9,140	-31.6%	950	0	0.00%	40,543	16,918	139.6%	2,391	100	2,291.0%
DEC-DEC CORN CAL SPRD	3,058	5,734	-46.7%	51	0	0.00%	11,689	14,138	-17.3%	2,336	0	0.0%
DEC-JULY CORN CAL SPRD	515	3,950	-87.0%	0	0	0.00%	17,921	13,444	33.3%	24	0	0.0%
DEC-JULY WHEAT CAL SPRD	0	34	-100.0%	0	0	0.00%	0	144	-100.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Ag Products Options												
DRY WHEY	6	127	-95.3%	20	808	-97.52%	710	1,349	-47.4%	5,823	3,719	56.6%
FEEDER CATTLE	2,929	2,344	25.0%	31,185	27,701	12.58%	17,076	16,813	1.6%	242,199	226,428	7.0%
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	14,727	36,826	-60.0%	350,081	348,127	0.56%	253,752	220,686	15.0%	2,742,671	1,638,880	67.4%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	7	0	0.0%
Intercommodity Spread	0	480	-100.0%	0	0	0.00%	1,000	9,259	-89.2%	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	174	600	-71.0%	0	0	0.00%	9,347	9,946	-6.0%	1,100	100	1,000.0%
JULY-DEC SOYMEAL CAL SPR	0	0	0.0%	0	0	0.00%	0	1,200	-100.0%	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	0	0.0%	0	0	0.00%	1,450	1,965	-26.2%	0	455	-100.0%
JULY-NOV SOYBEAN CAL SPR	0	1,700	-100.0%	100	250	-60.00%	5,931	49,473	-88.0%	290	2,583	-88.8%
KC WHEAT	18,722	54,117	-65.4%	89,379	66,978	33.45%	190,964	284,157	-32.8%	583,294	484,721	20.3%
LUMBER	0	4	-100.0%	1,452	1,209	20.10%	70	211	-66.8%	14,855	13,997	6.1%
LV CATL CSO	0	0	0.0%	0	0	0.00%	479	113	323.9%	0	0	0.0%
MAR-JULY CORN CAL SPRD	20	0	0.0%	0	0	0.00%	40	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	1,183	6,092	-80.6%	34,293	42,228	-18.79%	19,108	52,526	-63.6%	281,770	218,957	28.7%
MLK MID OPTIONS	4	43	-90.7%	0	26	-100.00%	20	375	-94.7%	194	27	618.5%
NFD MILK	302	100	202.0%	3,082	3,106	-0.77%	1,548	7,568	-79.5%	47,062	32,635	44.2%
NOV-JULY SOYBEAN CAL SPR	300	0	0.0%	0	0	0.00%	1,050	1	104,900.0%	2,500	0	0.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	0	0.00%	20	130	-84.6%	0	0	0.0%
NOV-NOV SOYBEAN CAL SPR	0	100	-100.0%	0	0	0.00%	134	118	13.6%	1,750	0	0.0%
OATS	90	244	-63.1%	107	544	-80.33%	2,209	930	137.5%	1,821	2,463	-26.1%
ROUGH RICE	5,720	1,398	309.2%	1,344	935	43.74%	15,549	5,380	189.0%	7,422	7,105	4.5%
SEP-DEC SOYBEAN MEAL CSC	0	0	0.0%	0	0	0.00%	0	1,170	-100.0%	0	0	0.0%
SOYBEAN	127,985	299,537	-57.3%	827,579	1,256,802	-34.15%	1,152,545	2,619,009	-56.0%	8,298,457	11,542,870	-28.1%
SOYBEAN CRUSH	0	0	0.0%	0	0	0.00%	4	185	-97.8%	0	0	0.0%
SOYBEAN MEAL	33,615	77,651	-56.7%	111,980	194,064	-42.30%	261,541	888,194	-70.6%	1,032,486	1,645,510	-37.3%
SOYBEAN OIL	27,606	30,414	-9.2%	112,125	76,449	46.67%	152,288	278,475	-45.3%	745,710	622,629	19.8%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	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 AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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%	490	2,650	-81.5%	0	0	0.0%
WHEAT	0	535	-100.0%	1,850	85	2,076.47%	4,916	2,640	86.2%	4,166	303	1,274.9%
WHEAT-CORN ICSCO	0	340	-100.0%	0	0	0.00%	2,680	5,120	-47.7%	0	0	0.0%
WHEAT NEARBY+2 CAL SPRD	100	747	-86.6%	0	450	-100.00%	2,340	8,032	-70.9%	200	4,331	-95.4%
TOTAL FUTURES GROUP												
Interest Rate Futures	1,235,682	816,781	51.3%	225,709,560	150,332,241	50.1%	8,052,211	8,117,910	-0.8%	1,300,839,414	1,202,104,769	8.2%
Equity Index Futures	8,132	10,010	-18.8%	88,004,933	38,970,052	125.8%	166,664	314,532	-47.0%	470,850,450	409,557,967	15.0%
Metals Futures	0	0	0.0%	16,255,099	12,523,739	29.8%	0	0	0.0%	94,053,352	101,563,020	-7.4%
Energy Futures	0	0	0.0%	46,120,278	37,171,764	24.1%	0	0	0.0%	340,752,002	355,198,169	-4.1%
FX Futures	4	85	-95.3%	16,788,943	18,574,631	-9.6%	62	684	-90.9%	132,147,172	156,552,719	-15.6%
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	1,960	-100.0%	0	0	0.0%	0	11,348	-100.0%
Ag Products Futures	44,020	70,837	-37.9%	25,938,256	25,856,207	0.3%	360,481	616,034	-41.5%	207,478,642	213,753,151	-2.9%
TOTAL FUTURES	1,287,838	897,713	43.5%	418,817,069	283,430,594	47.8%	8,579,418	9,049,160	-5.2%	2,546,121,032	2,438,741,143	4.4%
TOTAL OPTIONS GROUP												
Equity Index Options	707,720	939,484	-24.7%	19,996,124	14,215,785	40.7%	5,447,523	8,317,463	-34.5%	102,890,809	126,532,937	-18.7%
Interest Rate Options	25,209,476	18,202,707	38.5%	35,991,820	23,248,496	54.8%	203,747,386	173,617,010	17.4%	254,922,993	203,417,422	25.3%
Metals Options	0	0	0.0%	2,216,531	1,162,975	90.6%	0	0	0.0%	10,774,602	7,815,949	37.9%
Energy Options	0	0	0.0%	3,681,597	3,751,899	-1.9%	0	0	0.0%	26,960,681	33,949,576	-20.6%
FX Options	469	2,445	-80.8%	1,161,460	1,586,942	-26.8%	11,522	22,269	-48.3%	8,888,378	12,631,298	-29.6%
Ag Products Options	849,384	1,381,968	-38.5%	5,102,027	4,726,940	7.9%	7,028,248	11,327,809	-38.0%	41,003,898	37,986,405	7.9%
Foreign Exchange Options	0	0	0.0%	564	1,782	-68.4%	0	0	0.0%	6,503	6,676	-2.6%
TOTAL OPTIONS	26,767,049	20,526,604	30.4%	68,150,123	48,694,819	40.0%	216,234,679	193,284,551	11.9%	445,447,864	422,340,263	5.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2019	Open Outcry AUG 2018	% CHG	ELEC AUG 2019	ELEC AUG 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	26,445,158	19,019,488	39.0%	261,701,380	173,580,737	50.8%	211,799,597	181,734,920	16.5%	1,555,762,407	1,405,522,191	10.7%
Equity Index	715,852	949,494	-24.6%	108,001,057	53,185,837	103.1%	5,614,187	8,631,995	-35.0%	573,741,259	536,090,904	7.0%
Metals	0	0	0.0%	18,471,630	13,686,714	35.0%	0	0	0.0%	104,827,954	109,378,969	-4.2%
Energy	0	0	0.0%	49,801,875	40,923,663	21.7%	0	0	0.0%	367,712,683	389,147,745	-5.5%
FX	473	2,530	-81.3%	17,950,403	20,161,573	-11.0%	11,584	22,953	-49.5%	141,035,550	169,184,017	-16.6%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange	0	0	0.0%	564	3,742	-84.9%	0	0	0.0%	6,503	18,024	-63.9%
Ag Products	893,404	1,452,805	-38.5%	31,040,283	30,583,147	1.5%	7,388,729	11,943,843	-38.1%	248,482,540	251,739,556	-1.3%
GRAND TOTAL	28,054,887	21,424,317	30.9%	486,967,192	332,125,413	46.6%	224,814,097	202,333,711	11.1%	2,991,568,896	2,861,081,406	4.6%

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