

## CMEG Exchange Volume Report - Monthly

	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Interest Rate Futures</b>								
10-YR NOTE	56,558,907	44,233,790	27.9%	29,998,845	88.5%	312,045,261	300,576,339	3.8%
10-YR SWAP RATE	87,848	15,237	476.5%	29,939	193.4%	514,273	335,540	53.3%
15-YR SWAP RATE	0	0	-	0	0.0%	5,500	0	-
1-MONTH EURODOLLAR	208	61	241.0%	1	20,700.0%	395	31,627	-98.8%
20-YR SWAP RATE	0	0	-	0	0.0%	46	0	-
2-YR NOTE	25,807,015	14,407,575	79.1%	11,126,116	131.9%	125,363,574	89,230,566	40.5%
2-YR SWAP RATE	54,121	0	-	58,543	-7.6%	403,436	0	-
30-YR BOND	12,286,639	8,677,520	41.6%	5,736,208	114.2%	60,145,766	59,115,095	1.7%
30-YR SWAP RATE	508	0	0.0%	383	32.6%	5,618	983	471.5%
3-YR SWAP RATE	31,816	0	-	34,577	-8.0%	133,896	0	-
4-YR SWAP RATE	4,864	0	-	5,368	-9.4%	85,709	0	-
5-YR NOTE	40,355,505	30,353,927	32.9%	18,801,436	114.6%	208,900,380	188,248,508	11.0%
5-YR SWAP RATE	80,903	11,432	607.7%	65,745	23.1%	643,412	191,368	236.2%
7-YR SWAP RATE	1,432	0	-	4,070	-64.8%	36,844	0	-
EURODOLLARS	73,101,115	43,758,360	67.1%	56,286,005	29.9%	508,412,344	506,362,999	0.4%
FED FUND	8,966,708	3,658,628	145.1%	9,900,827	-9.4%	62,870,037	41,193,789	52.6%
SOFR	878,350	140,115	526.9%	816,688	7.6%	5,222,960	278,131	1,777.9%
SONIA	180,968	0	-	292,367	-38.1%	1,452,412	0	-
Ultra 10-Year Note	8,912,346	4,818,100	85.0%	3,770,550	136.4%	39,932,230	31,305,282	27.6%
ULTRA T-BOND	7,499,559	5,704,496	31.5%	2,517,562	197.9%	33,943,342	30,515,140	11.2%
<b>Interest Rate Options</b>								
10-YR NOTE	17,022,492	12,686,662	34.2%	13,080,598	30.1%	110,098,916	103,749,304	6.1%
2-YR NOTE	485,843	643,815	-24.5%	476,735	1.9%	4,122,666	4,329,489	-4.8%
30-YR BOND	4,535,168	3,001,292	51.1%	2,533,864	79.0%	23,643,173	20,948,780	12.9%
5-YR NOTE	5,138,259	3,171,036	62.0%	5,026,421	2.2%	38,551,221	26,543,001	45.2%
EURODOLLARS	29,709,234	12,161,511	144.3%	24,052,118	23.5%	204,280,718	120,935,412	68.9%
EURO MIDCURVE	10,678,997	11,305,291	-5.5%	9,542,577	11.9%	115,089,897	121,593,958	-5.3%
FED FUND	1,454	495	193.7%	18,709	-92.2%	21,615	17,513	23.4%
Ultra 10-Year Note	9,356	0	0.0%	510	1,734.5%	26,812	28	95,657.1%
ULTRA T-BOND	23,543	3,931	498.9%	30,973	-24.0%	149,338	48,204	209.8%

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<b>Equity Index Futures</b>								
BITCOIN FUTURES	99,796	126,908	-21.4%	152,898	-34.7%	1,193,916	598,317	99.5%
DJ US REAL ESTATE	34,200	27,364	25.0%	24,140	41.7%	332,716	346,082	-3.9%
E-mini (\$5) Dow	5,763,668	2,989,425	92.8%	3,566,286	61.6%	36,278,171	37,898,913	-4.3%
E-MINI COM SERVICES SELECT	4,558	0	-	4,210	8.3%	45,217	0	-
E-mini FTSE 100 (USD)	0	682	-100.0%	0	0.0%	336	11,487	-97.1%
E-mini FTSE China 50	0	924	-100.0%	0	0.0%	711	9,108	-92.2%
E-MINI MIDCAP	328,178	227,276	44.4%	276,230	18.8%	2,660,733	2,960,111	-10.1%
E-MINI NASDAQ 100	13,397,090	7,592,675	76.4%	7,921,111	69.1%	81,109,793	70,344,180	15.3%
E-MINI RUSSELL 1000	3,251	6,271	-48.2%	2,040	59.4%	64,305	107,855	-40.4%
E-MINI RUSSELL 1000 GROWTH	4,320	6,457	-33.1%	866	398.8%	43,310	86,490	-49.9%
E-MINI RUSSELL 1000 VALUE	11,677	10,022	16.5%	2,758	323.4%	114,008	115,717	-1.5%
E-MINI RUSSELL 2000	3,512,763	2,213,663	58.7%	2,463,654	42.6%	24,127,595	21,980,502	9.8%
E-MINI S&P500	44,707,872	25,085,846	78.2%	25,475,033	75.5%	270,531,778	268,494,404	0.8%
E-MINI S&P REAL ESTATE SELE	3,310	6,317	-47.6%	3,359	-1.5%	34,593	59,365	-41.7%
FT-SE 100	0	1,480	-100.0%	0	0.0%	372	10,621	-96.5%
FTSE Emerging	1,435	1,708	-16.0%	1,707	-15.9%	16,651	3,752	343.8%
IBOVESPA INDEX	907	1,560	-41.9%	338	168.3%	5,036	9,406	-46.5%
MICRO E-MINI NASDAQ 100	6,603,515	0	-	4,362,562	51.4%	16,989,488	0	-
MICRO E-MINI RUSSELL 2000	1,008,239	0	-	640,308	57.5%	2,567,434	0	-
MICRO E-MINI S&P500	9,553,465	0	-	4,563,369	109.4%	23,464,879	0	-
MICRO MINI \$5 DOW	1,613,300	0	-	1,066,878	51.2%	4,423,487	0	-
NASDAQ BIOTECH	191	0	0.0%	357	-46.5%	2,404	5,448	-55.9%
NIFTY 50	0	0	0.0%	0	0.0%	0	54,444	-100.0%
NIKKEI 225 (\$) STOCK	285,548	173,263	64.8%	151,817	88.1%	1,782,936	2,491,340	-28.4%
NIKKEI 225 (YEN) STOCK	1,225,691	629,858	94.6%	711,869	72.2%	6,548,553	6,940,845	-5.7%
S&P 500	107,183	62,472	71.6%	55,726	92.3%	794,333	1,067,565	-25.6%
S&P 500 ANNUAL DIVIDEND IND	19,963	7,256	175.1%	20,551	-2.9%	187,035	95,550	95.7%
S&P 500/GI	0	1	-100.0%	0	0.0%	40	53	-24.5%
S&P 500 QUARLY DIVIDEND IND	860	100	760.0%	60	1,333.3%	1,441	562	156.4%
S&P 600 SMALLCAP EMINI	259	0	-	403	-35.7%	1,200	0	-
S&P CONSUMER DSCRTNRY SE	6,366	9,890	-35.6%	2,709	135.0%	69,889	135,327	-48.4%
S&P CONSUMER STAPLES SECT	8,088	12,356	-34.5%	11,140	-27.4%	152,102	181,357	-16.1%
S&P ENERGY SECTOR	11,120	32,481	-65.8%	7,766	43.2%	139,797	262,373	-46.7%
S&P FINANCIAL SECTOR	24,896	29,307	-15.1%	21,972	13.3%	258,507	373,201	-30.7%
S&P HEALTH CARE SECTOR	16,995	13,616	24.8%	10,794	57.4%	146,675	120,701	21.5%
S&P INDUSTRIAL SECTOR	9,909	19,130	-48.2%	4,938	100.7%	99,349	118,846	-16.4%
S&P MATERIALS SECTOR	8,651	8,177	5.8%	3,704	133.6%	84,084	79,757	5.4%
S&P TECHNOLOGY SECTOR	8,321	14,156	-41.2%	4,693	77.3%	116,034	193,133	-39.9%
S&P UTILITIES SECTOR	23,648	33,413	-29.2%	11,919	98.4%	238,956	299,007	-20.1%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0.0%	48	56	-14.3%
YEN DENOMINATED TOPIX	26,025	798	3,161.3%	21,790	19.4%	151,114	3,844	3,831.2%

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<b>Equity Index Options</b>								
E-mini (\$5) Dow	4,661	7,989	-41.7%	2,115	120.4%	33,262	80,404	-58.6%
E-MINI NASDAQ 100	295,303	206,220	43.2%	176,875	67.0%	1,710,985	1,927,997	-11.3%
E-MINI RUSSELL 2000	25,010	14,637	70.9%	5,966	319.2%	109,182	102,929	6.1%
E-MINI S&P500	9,450,339	5,813,269	62.6%	3,785,568	149.6%	42,851,036	46,215,852	-7.3%
EOM E-MINI RUSSELL 2000 END	13,222	6,480	104.0%	7,325	80.5%	72,025	46,616	54.5%
EOM EMINI S&P	3,333,755	2,586,242	28.9%	1,517,529	119.7%	16,034,203	20,605,099	-22.2%
EOM S&P 500	117,664	155,907	-24.5%	112,461	4.6%	1,019,036	1,519,327	-32.9%
EOW1 E-MINI RUSSELL 2000 WE	1,123	752	49.3%	2,605	-56.9%	12,589	16,567	-24.0%
EOW1 E-MINI RUSSELL 2000 WE	2,535	1,119	126.5%	2,442	3.8%	15,431	22,188	-30.5%
EOW1 EMINI S&P 500	1,206,293	962,271	25.4%	1,015,468	18.8%	7,894,856	8,662,151	-8.9%
EOW1 S&P 500	69,415	81,662	-15.0%	83,394	-16.8%	536,902	655,042	-18.0%
EOW2 E-MINI RUSSELL 2000 WE	4,402	2,758	59.6%	12,979	-66.1%	39,695	40,695	-2.5%
EOW2 EMINI S&P 500	1,251,796	893,708	40.1%	795,872	57.3%	8,078,721	10,050,918	-19.6%
EOW2 S&P 500	119,470	185,644	-35.6%	121,425	-1.6%	979,696	1,277,241	-23.3%
EOW3 E-MINI RUSSELL 2000 WE	14,821	13,308	11.4%	15,101	-1.9%	92,121	169,874	-45.8%
EOW3 EMINI S&P 500	3,073,109	2,712,429	13.3%	2,424,780	26.7%	19,053,613	29,063,953	-34.4%
EOW3 S&P 500	110,674	236,745	-53.3%	166,252	-33.4%	1,053,138	2,448,691	-57.0%
EOW4 E-MINI RUSSELL 2000 WE	4,113	3,088	33.2%	3,798	8.3%	25,452	45,817	-44.4%
EOW4 EMINI S&P 500	1,315,697	991,860	32.6%	703,668	87.0%	6,868,038	9,496,537	-27.7%
S&P 500	290,442	286,481	1.4%	143,603	102.3%	1,863,401	2,418,102	-22.9%
<b>Metals Futures</b>								
ALUMINUM	14,959	5,693	162.8%	15,989	-6.4%	90,106	112,309	-19.8%
COMEX COPPER	2,397,053	3,402,437	-29.5%	1,875,657	27.8%	17,061,136	23,781,704	-28.3%
COMEX E-Mini GOLD	44,915	7,762	478.7%	31,114	44.4%	144,297	59,958	140.7%
COMEX E-Mini SILVER	7,551	1,210	524.0%	4,349	73.6%	33,923	9,776	247.0%
COMEX GOLD	9,582,250	6,274,162	52.7%	9,490,344	1.0%	55,588,109	57,852,452	-3.9%
COMEX MINY COPPER	733	381	92.4%	703	4.3%	5,345	3,921	36.3%
COMEX SILVER	3,018,629	2,364,109	27.7%	2,086,973	44.6%	15,881,745	16,945,446	-6.3%
COPPER	181	500	-63.8%	127	42.5%	6,052	11,139	-45.7%
E-MICRO GOLD	889,807	164,142	442.1%	608,677	46.2%	2,967,222	1,070,839	177.1%
FERROUS PRODUCTS	468	1,980	-76.4%	668	-29.9%	8,803	13,179	-33.2%
GOLD	0	0	0.0%	0	-	0	0	0.0%
Gold Kilo	0	0	0.0%	0	0.0%	0	136	-100.0%
IRON ORE 62 CHINA PLATTS FU	0	0	0.0%	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI FUTURE	3,116	5,152	-39.5%	3,835	-18.7%	45,740	32,523	40.6%
LNDN ZINC	0	1,435	-100.0%	0	0.0%	1,230	4,266	-71.2%
NYMEX HOT ROLLED STEEL	5,113	17,235	-70.3%	13,715	-62.7%	130,451	84,045	55.2%
NYMEX PLATINUM	496,003	412,710	20.2%	444,188	11.7%	3,726,946	3,628,422	2.7%
PALLADIUM	133,300	176,108	-24.3%	79,652	67.4%	881,501	1,005,343	-12.3%
SILVER	56,056	9,435	494.1%	23,306	140.5%	174,868	60,622	188.5%
URANIUM	0	190	-100.0%	300	-100.0%	9,384	2,154	335.7%

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<b>Metals Options</b>								
COMEX COPPER	56,611	28,755	96.9%	49,537	14.3%	479,964	200,632	139.2%
COMEX GOLD	2,202,838	1,266,404	73.9%	1,546,529	42.4%	10,598,962	7,968,402	33.0%
COMEX SILVER	341,165	197,561	72.7%	249,760	36.6%	1,391,577	1,265,729	9.9%
COPPER	480	211	127.5%	131	266.4%	1,255	399	214.5%
GOLD	207,044	51,966	298.4%	181,468	14.1%	1,001,008	323,177	209.7%
HOT ROLLED COIL STEEL CALL	0	0	0.0%	300	-100.0%	900	0	0.0%
IRON ORE 62 CHINA TSI CALL O	100	0	0.0%	0	0.0%	6,760	200	3,280.0%
IRON ORE 62 CHINA TSI PUT OP	0	0	0.0%	0	0.0%	3,600	1,280	181.3%
NYMEX PLATINUM	3,236	3,984	-18.8%	1,149	181.6%	28,303	32,350	-12.5%
PALLADIUM	1,135	3,329	-65.9%	469	142.0%	9,939	24,551	-59.5%
SILVER	8,655	3,850	124.8%	5,695	52.0%	39,762	13,693	190.4%
<b>Energy Futures</b>								
3.5% FUEL OIL CID MED SWA	16	60	-73.3%	3	433.3%	97	512	-81.1%
3.5% FUEL OIL CIF BALMO S	0	0	0.0%	0	0.0%	20	95	-78.9%
AEP-DAYTON HUB DAILY	0	0	0.0%	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	0	0	0.0%	0	0.0%	0	0	0.0%
AEP-DAYTON HUB OFF-PEAK M	0	0	0.0%	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	0	0	0.0%	0	-	0	0	0.0%
ALGONQUIN CITYGATES BASIS	0	0	0.0%	0	0.0%	0	0	0.0%
ANR LOUISIANA BASIS SWAP	0	0	0.0%	0	-	0	0	0.0%
ANR OKLAHOMA	0	0	0.0%	0	0.0%	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	720	15,010	-95.2%	2,505	-71.3%	73,466	187,111	-60.7%
ARGUS PROPAN FAR EST INDE	6,872	5,486	25.3%	5,444	26.2%	49,853	45,787	8.9%
ARGUS PROPAN(SAUDI ARAMC	3,559	3,403	4.6%	2,522	41.1%	23,463	20,554	14.2%
AUSTRIALIAN COKE COAL	0	0	0.0%	0	0.0%	0	20	-100.0%
BRENT BALMO SWAP	352	0	0.0%	50	604.0%	1,315	185	610.8%
BRENT CALENDAR SWAP	9,902	2,997	230.4%	12,224	-19.0%	58,186	27,989	107.9%
BRENT CFD SWAP	0	0	0.0%	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	450	1,000	-55.0%	237	89.9%	7,769	14,615	-46.8%
BRENT OIL LAST DAY	2,263,777	1,211,004	86.9%	2,007,392	12.8%	17,384,488	14,061,245	23.6%
CAISO SP15 EZGNHUB5 MW P	0	0	0.0%	0	-	0	0	0.0%
CAISO SP15 EZGNHUB5 PEAK	0	0	0.0%	0	-	0	0	0.0%
CANADIAN LIGHT SWEET OIL	0	0	0.0%	0	0.0%	0	0	0.0%
CENTERPOINT BASIS SWAP	0	0	0.0%	0	0.0%	0	36	-100.0%
CHICAGO ETHANOL SWAP	91,961	111,631	-17.6%	96,231	-4.4%	841,475	803,867	4.7%
CHICAGO ULSD (PLATTS) SWA	0	0	0.0%	0	-	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	270	586	-53.9%	365	-26.0%	4,484	3,120	43.7%
CHICAGO UNL GAS PL VS RBO	50	200	-75.0%	245	-79.6%	1,170	950	23.2%
CIG BASIS	0	0	0.0%	0	0.0%	0	196	-100.0%
CIG ROCKIES NG INDEX SWA	0	0	0.0%	0	-	0	0	0.0%
CINERGY HUB OFF-PEAK MONT	0	0	0.0%	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	0	0	0.0%	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	0	0	0.0%	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH PK	424	1,214	-65.1%	688	-38.4%	4,294	10,010	-57.1%
CIN HUB 5MW REAL TIME O P	0	0	0.0%	0	0.0%	3,920	0	0.0%
CIN HUB 5MW REAL TIME PK	0	0	0.0%	0	0.0%	325	230	41.3%
COAL SWAP	0	15	-100.0%	0	0.0%	0	465	-100.0%

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<b>Energy Futures</b>								
COLUMB GULF MAINLINE NG B	0	0	0.0%	0	0.0%	364	0	0.0%
COLUMBIA GULF ONSHORE	0	0	0.0%	0	-	0	0	0.0%
CONWAY NATURAL GASOLINE (	570	183	211.5%	50	1,040.0%	1,803	1,497	20.4%
CONWAY NORMAL BUTANE (OPI	760	110	590.9%	335	126.9%	3,556	2,536	40.2%
CONWAY PROPANE 5 DECIMALS	14,126	19,614	-28.0%	13,696	3.1%	122,820	130,544	-5.9%
CRUDE OIL	2,835	4,400	-35.6%	2,100	35.0%	39,354	53,494	-26.4%
CRUDE OIL OUTRIGHTS	40,984	39,198	4.6%	66,144	-38.0%	505,878	483,172	4.7%
CRUDE OIL PHY	27,914,354	19,661,056	42.0%	22,838,170	22.2%	202,959,224	210,513,741	-3.6%
CRUDE OIL SPRDS	13,150	22,628	-41.9%	29,995	-56.2%	180,150	368,199	-51.1%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	0	0	0.0%	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY S	0	0	0.0%	0	-	0	0	0.0%
DATED TO FRONTLINE BRENT	0	0	0.0%	0	0.0%	1,000	3,135	-68.1%
DIESEL 10P BRG FOB RDM VS	0	0	0.0%	0	0.0%	0	5	-100.0%
DIESEL 10PPM BARGES FOB B	0	0	0.0%	0	-	0	0	0.0%
DOMINION TRAN INC - APP I	0	0	0.0%	0	0.0%	0	0	0.0%
DOMINION TRANSMISSION INC	0	0	0.0%	0	0.0%	0	126	-100.0%
DUBAI CRUDE OIL BALMO	0	0	0.0%	0	0.0%	0	125	-100.0%
DUBAI CRUDE OIL CALENDAR	125	875	-85.7%	490	-74.5%	17,663	14,902	18.5%
DUTCH TTF NATURAL GAS CAL	9,459	417	2,168.3%	17,365	-45.5%	68,701	7,597	804.3%
DY EURO 3.5% FUEL OI RDA	0	0	0.0%	0	-	0	0	0.0%
EASTERN RAIL DELIVERY CSX	0	0	0.0%	0	0.0%	0	245	-100.0%
EAST/WEST FUEL OIL SPREAD	0	0	0.0%	10	-100.0%	20	187	-89.3%
EIA FLAT TAX ONHWAY DIESE	119	206	-42.2%	389	-69.4%	2,761	1,686	63.8%
ELEC ERCOT DLY OFF PK	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	0	0	0.0%	0	0.0%	0	19,600	-100.0%
ELEC FINSETTLED	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC MISO PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	0	0	0.0%	0	-	0	0	0.0%
ELECTRICITY OFF PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC WEST POWER OFF-PEAK	0	0	0.0%	0	-	0	0	0.0%
ELEC WEST POWER PEAK	0	0	0.0%	0	-	0	0	0.0%
ERCOT DAILY 5MW PEAK	0	0	0.0%	0	-	0	0	0.0%
ERCOT HOUSTON Z MCPE 5MW	0	0	0.0%	0	0.0%	0	1,950	-100.0%
ERCOT NORTH ZMCPE 5MW OF	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW OF	0	0	0.0%	0	0.0%	0	19,600	-100.0%
ERCOT NORTH ZMCPE 5MW PE	0	0	0.0%	0	0.0%	0	5,050	-100.0%
ETHANOL	4,336	8,319	-47.9%	5,391	-19.6%	66,035	71,459	-7.6%
ETHANOL SWAP	20	20	0.0%	10	100.0%	550	270	103.7%
ETHANOL T2 FOB ROTT INCL DU	2,983	2,833	5.3%	1,879	58.8%	26,461	23,443	12.9%
EURO 1% FUEL OIL NEW BALM	0	2	-100.0%	0	0.0%	3	25	-88.0%
EURO 3.5% FUEL OIL RDAM B	11	457	-97.6%	72	-84.7%	302	5,167	-94.2%
EURO 3.5% FUEL OIL SPREAD	0	125	-100.0%	12	-100.0%	147	834	-82.4%
EURO-DENOMINATED PETRO P	0	640	-100.0%	0	0.0%	0	640	-100.0%
EURO GASOIL 10PPM VS ICE	0	0	0.0%	0	0.0%	0	370	-100.0%
EUROPE 1% FUEL OIL NWE CA	13	0	0.0%	0	0.0%	463	366	26.5%
EUROPE 1% FUEL OIL RDAM C	0	0	0.0%	0	0.0%	0	3	-100.0%
EUROPE 3.5% FUEL OIL MED	18	95	-81.1%	14	28.6%	385	768	-49.9%

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## CMEG Exchange Volume Report - Monthly

	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Futures</b>								
EUROPE 3.5% FUEL OIL RDM	762	4,047	-81.2%	380	100.5%	8,035	68,381	-88.2%
EUROPEAN GASOIL (ICE)	84	334	-74.9%	100	-16.0%	816	3,651	-77.6%
EUROPEAN NAPHTHA BALMO	8	277	-97.1%	181	-95.6%	1,343	2,289	-41.3%
EUROPEAN NAPHTHA CRACK SP	2,036	8,901	-77.1%	2,124	-4.1%	34,260	72,491	-52.7%
EUROPE DATED BRENT SWAP	0	0	0.0%	0	0.0%	1,633	0	0.0%
EUROPE JET KERO NWE CALSW	0	18	-100.0%	0	0.0%	5	39	-87.2%
EUROPE NAPHTHA CALSWAP	509	3,780	-86.5%	1,682	-69.7%	15,393	27,309	-43.6%
EURO PROPANE CIF ARA SWA	1,671	1,443	15.8%	1,703	-1.9%	15,510	13,960	11.1%
FLORIDA GAS ZONE3 BASIS S	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	672	527	27.5%	1,686	-60.1%	7,785	4,060	91.7%
FUEL OIL CRACK VS ICE	2,843	1,630	74.4%	1,214	134.2%	14,011	32,077	-56.3%
FUEL OIL NWE CRACK VS ICE	0	0	0.0%	0	0.0%	15	171	-91.2%
FUEL OIL (PLATS) CAR CM	0	0	0.0%	0	0.0%	6	154	-96.1%
FUEL OIL (PLATS) CAR CN	0	0	0.0%	0	0.0%	0	120	-100.0%
FUELOIL SWAP:CARGOES VS.B	10	165	-93.9%	36	-72.2%	1,426	1,878	-24.1%
GAS EURO-BOB OXY NWE BARG	1,622	6,480	-75.0%	2,902	-44.1%	44,459	62,148	-28.5%
GAS EURO-BOB OXY NWE BARG	3,880	13,155	-70.5%	5,279	-26.5%	66,945	152,732	-56.2%
GASOIL 0.1 CIF MED SWAP	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	0	0	0.0%	0	0.0%	0	10	-100.0%
GASOIL 0.1 CIF NWE VS ISE	0	0	0.0%	0	0.0%	10	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1 RDM BRGS VS I	0	5	-100.0%	0	0.0%	21	10	110.0%
GASOIL 0.1 ROTTERDAM BARG	0	5	-100.0%	0	0.0%	103	1,260	-91.8%
GASOIL 10P CRG CIF NW VS	0	0	0.0%	0	-	0	0	0.0%
GASOIL 10PPM VS ICE SWAP	0	0	0.0%	0	0.0%	39	12	225.0%
GASOIL BULLET SWAP	0	0	0.0%	0	-	0	0	0.0%
GASOIL CALENDAR SWAP	39	6	550.0%	12	225.0%	129	54	138.9%
GASOIL CRACK SPREAD CALEN	120	2,832	-95.8%	960	-87.5%	5,114	35,552	-85.6%
GASOIL MINI CALENDAR SWAP	612	172	255.8%	427	43.3%	2,310	1,442	60.2%
GERMAN POWER BASELOAD CA	1,913	915	109.1%	5,143	-62.8%	19,348	2,991	546.9%
GROUP THREE ULSD (PLATTS)	0	20	-100.0%	0	0.0%	0	205	-100.0%
GROUP THREE UNLEAD GAS (P	300	0	0.0%	0	0.0%	300	425	-29.4%
GRP THREE ULSD(PLT)VS HEA	3,270	2,880	13.5%	4,648	-29.6%	28,265	27,718	2.0%
GRP THREE UNL GS (PLT) VS	1,370	1,985	-31.0%	1,810	-24.3%	21,187	15,777	34.3%
GULF COAST 3% FUEL OIL BA	663	981	-32.4%	809	-18.0%	5,601	11,466	-51.2%
GULF COAST JET FUEL CLNDR	0	241	-100.0%	0	0.0%	267	1,156	-76.9%
GULF COAST JET VS NYM 2 H	18,687	29,940	-37.6%	20,360	-8.2%	171,097	301,608	-43.3%
GULF COAST NO.6 FUEL OIL	21,155	46,906	-54.9%	18,474	14.5%	188,110	487,250	-61.4%
GULF COAST ULSD CALENDAR	200	215	-7.0%	277	-27.8%	3,042	2,025	50.2%
GULF COAST ULSD CRACK SPR	0	0	0.0%	0	0.0%	0	1,295	-100.0%
HEATING OIL BALMO CLNDR S	0	0	0.0%	40	-100.0%	565	223	153.4%
HEATING OIL CRCK SPRD BAL	0	0	-	0	0.0%	18	0	-
HEATING OIL PHY	3,379,134	3,566,048	-5.2%	3,082,273	9.6%	26,696,710	31,115,863	-14.2%
HENRY HUB BASIS SWAP	0	62	-100.0%	1,178	-100.0%	12,426	7,494	65.8%
HENRY HUB FINANCIAL LAST	0	4,497	-100.0%	0	0.0%	0	23,320	-100.0%
HENRY HUB INDEX SWAP FUTU	0	62	-100.0%	1,178	-100.0%	12,426	7,494	65.8%
HENRY HUB SWAP	35,392	194,981	-81.8%	74,882	-52.7%	814,678	1,407,056	-42.1%
HOUSTON SHIP CHANNEL BASI	0	0	0.0%	0	0.0%	736	0	0.0%
HTG OIL	0	0	0.0%	48	-100.0%	96	84	14.3%
HUSTN SHIP CHNL PIPE SWP	0	0	0.0%	0	-	0	0	0.0%

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## CMEG Exchange Volume Report - Monthly

	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Futures</b>								
ICE BRENT DUBAI SWAP	2,030	11,453	-82.3%	4,276	-52.5%	41,144	82,951	-50.4%
ICE GASOIL BALMO SWAP	0	0	0.0%	0	-	0	0	0.0%
IN DELIVERY MONTH EUA	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	0	0	0.0%	0	0.0%	0	0	0.0%
INDONESIAN COAL	0	0	0.0%	0	-	0	0	0.0%
INDONESIAN COAL ICI4	205	210	-2.4%	550	-62.7%	2,965	985	201.0%
ISO NEW ENGLAND OFF-PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	0	0	0.0%	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK S	27	0	0.0%	0	0.0%	196	1,689	-88.4%
JAPAN C&F NAPHTHA SWAP	469	1,496	-68.6%	824	-43.1%	9,152	16,489	-44.5%
JAPAN NAPHTHA BALMO SWAP	39	97	-59.8%	10	290.0%	328	498	-34.1%
JET AV FUEL (P) CAR FM ICE GA	0	0	0.0%	0	0.0%	0	5	-100.0%
JET CIF NWE VS ICE	30	0	0.0%	0	0.0%	100	630	-84.1%
JET FUEL BRG FOB RDM VS I	0	0	0.0%	0	-	0	0	0.0%
JET FUEL CRG CIF NEW VS I	0	0	0.0%	0	-	0	0	0.0%
JET FUEL UP-DOWN BALMO CL	2,775	5,500	-49.5%	4,915	-43.5%	34,088	47,757	-28.6%
JKM LNG Futures	1,535	2,208	-30.5%	1,760	-12.8%	12,511	9,218	35.7%
LA CARB DIESEL (OPIS)	0	0	0.0%	0	-	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	50	105	-52.4%	0	0.0%	375	2,630	-85.7%
LA CARBOB GASOLINE(OPIS)S	175	75	133.3%	375	-53.3%	2,850	4,150	-31.3%
LA JET FUEL VS NYM NO 2 H	0	0	0.0%	0	-	0	0	0.0%
LA JET (OPIS) SWAP	1,179	1,388	-15.1%	1,425	-17.3%	10,484	17,643	-40.6%
LLS (ARGUS) CALENDAR SWAP	0	607	-100.0%	0	0.0%	0	607	-100.0%
LLS (ARGUS) VS WTI SWAP	60	2,292	-97.4%	1,080	-94.4%	16,599	46,712	-64.5%
LOS ANGELES CARB GASOLINE	0	0	-	10	-100.0%	10	0	-
LTD NAT GAS	220,673	312,724	-29.4%	272,857	-19.1%	2,419,110	2,701,701	-10.5%
MARS (ARGUS) VS WTI SWAP	810	500	62.0%	1,440	-43.8%	13,630	19,200	-29.0%
MARS (ARGUS) VS WTI TRD M	17,370	9,911	75.3%	12,197	42.4%	148,954	181,546	-18.0%
MARS BLEND CRUDE OIL	0	0	0.0%	0	0.0%	0	2,319	-100.0%
MCCLOSKEY ARA ARGS COAL	25,303	19,040	32.9%	35,161	-28.0%	235,857	193,068	22.2%
MCCLOSKEY RCH BAY COAL	1,375	2,606	-47.2%	2,312	-40.5%	18,639	26,483	-29.6%
MGF FUT	0	88	-100.0%	0	0.0%	0	218	-100.0%
MGN1 SWAP FUT	130	40	225.0%	10	1,200.0%	490	573	-14.5%
MICHIGAN BASIS	0	0	0.0%	0	0.0%	0	0	0.0%
MICHIGAN MISO	0	0	0.0%	0	0.0%	0	0	0.0%
MINI GAS EUROBOB OXY NWE A	532	265	100.8%	114	366.7%	1,876	2,951	-36.4%
MINI RBOB V. EBOBARG NWE BF	0	375	-100.0%	0	0.0%	3,500	3,035	15.3%
MINI RBOB V. EBOB(ARGUS) NW	639	2,108	-69.7%	2,042	-68.7%	17,521	13,567	29.1%
MINY HTG OIL	3	7	-57.1%	3	0.0%	26	29	-10.3%
MINY NATURAL GAS	34,885	17,133	103.6%	33,478	4.2%	226,069	203,155	11.3%
MINY RBOB GAS	13	5	160.0%	6	116.7%	56	28	100.0%
MINY WTI CRUDE OIL	530,406	310,323	70.9%	550,243	-3.6%	3,739,038	2,690,332	39.0%
MJC FUT	0	80	-100.0%	0	0.0%	150	1,325	-88.7%
MNC FUT	2,840	4,712	-39.7%	3,232	-12.1%	31,473	30,929	1.8%
MONT BELVIEU ETHANE 5 DECI	19,218	19,570	-1.8%	20,907	-8.1%	124,498	125,059	-0.4%
MONT BELVIEU ETHANE OPIS B	60	130	-53.8%	155	-61.3%	1,279	1,290	-0.9%
MONT BELVIEU LDH PROPANE 5	157,461	111,817	40.8%	162,351	-3.0%	1,169,932	964,037	21.4%
MONT BELVIEU LDH PROPANE C	2,746	987	178.2%	1,653	66.1%	24,817	21,613	14.8%
MONT BELVIEU NATURAL GASO	6,184	5,130	20.5%	9,154	-32.4%	63,019	63,933	-1.4%
MONT BELVIEU NATURAL GASO	405	382	6.0%	865	-53.2%	5,129	3,226	59.0%

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<b>Energy Futures</b>								
MONT BELVIEU NORMAL BUTAN	52,185	46,652	11.9%	51,174	2.0%	366,196	272,449	34.4%
MONT BELVIEU NORMAL BUTAN	1,533	1,105	38.7%	1,010	51.8%	10,677	8,601	24.1%
NAT GAS BASIS SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS	110,025	71,377	54.1%	100,821	9.1%	876,404	890,036	-1.5%
NATURAL GAS FIXED PRICE SW	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS INDEX	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS PEN SWP	23,866	30,236	-21.1%	21,025	13.5%	226,464	279,942	-19.1%
NATURAL GAS PHY	9,283,257	8,461,994	9.7%	9,037,161	2.7%	63,232,213	70,144,990	-9.9%
NEPOOL CNCTCT 5MW D AH O	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	55,040	0	0.0%	0	0.0%	71,600	83,896	-14.7%
NEPOOL NE MASS 5MW D AH O	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH P	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D A	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNTR M 5MW D AH	0	0	0.0%	0	0.0%	0	0	0.0%
NEW ENGLAND HUB PEAK DAIL	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	272	1,030	-73.6%	925	-70.6%	5,721	10,666	-46.4%
NEW YORK HUB ZONE G PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	0	0	0.0%	0	0.0%	1,240	400	210.0%
NGPL TEX/OK	0	0	0.0%	0	0.0%	2,576	22,836	-88.7%
N ILLINOIS HUB DAILY	0	0	0.0%	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	0	0	0.0%	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALEN	0	400	-100.0%	0	0.0%	675	2,558	-73.6%
NORTHEN NATURAL GAS DEMA	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS VENTL	0	0	0.0%	0	0.0%	0	100	-100.0%
NORTHERN ILLINOIS OFF-PEA	0	0	0.0%	0	-	0	0	0.0%
NORTHWEST ROCKIES BASIS S	0	0	0.0%	0	0.0%	3,106	0	0.0%
N ROCKIES PIPE SWAP	0	59	-100.0%	0	0.0%	0	59	-100.0%
NY1% VS GC SPREAD SWAP	704	375	87.7%	488	44.3%	3,847	12,933	-70.3%
NY 2.2% FUEL OIL (PLATTS	0	0	0.0%	0	-	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	0	450	-100.0%	0	0.0%	775	1,650	-53.0%
NY HARBOR 1% FUEL OIL BAL	0	50	-100.0%	25	-100.0%	25	50	-50.0%
NY HARBOR HEAT OIL SWP	1,685	5,614	-70.0%	498	238.4%	17,164	16,029	7.1%
NY HARBOR LOW SULPUR GAS	0	150	-100.0%	0	0.0%	390	2,845	-86.3%
NY HARBOR RESIDUAL FUEL 1	713	989	-27.9%	502	42.0%	6,198	9,164	-32.4%
NY HARBOR RESIDUAL FUEL C	0	0	-	0	0.0%	0	0	-
NYH NO 2 CRACK SPREAD CAL	390	90	333.3%	0	0.0%	2,625	7,397	-64.5%
NYISO A	0	0	0.0%	0	-	0	0	0.0%
NYISO A OFF-PEAK	0	0	0.0%	0	-	0	0	0.0%
NYISO CAPACITY	0	210	-100.0%	0	0.0%	300	1,136	-73.6%
NYISO G	0	0	0.0%	0	-	0	0	0.0%
NYISO G OFF-PEAK	0	0	0.0%	0	-	0	0	0.0%
NYISO J	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH PK	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH O P	0	0	0.0%	0	-	0	0	0.0%

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## CMEG Exchange Volume Report - Monthly

	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Futures</b>								
NYISO ZONE C 5MW D AH PK	0	0	0.0%	0	-	0	0	0.0%
NYISO ZONE G 5MW D AH O P	55,040	22,320	146.6%	0	0.0%	101,424	600,854	-83.1%
NYISO ZONE G 5MW D AH PK	0	0	0.0%	6,375	-100.0%	8,174	18,284	-55.3%
NYISO ZONE J 5MW D AH O P	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH PK	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX ALUMINUM FUTURES	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	0	0	0.0%	0	0.0%	1,450	0	0.0%
NY ULSD (ARGUS) VS HEATING	100	0	0.0%	77	29.9%	1,595	213	648.8%
ONEOK OKLAHOMA NG BASIS	0	1,464	-100.0%	0	0.0%	0	1,464	-100.0%
ONTARIO POWER SWAPS	25	0	0.0%	0	0.0%	125	10	1,150.0%
PANHANDLE BASIS SWAP FUTU	0	0	0.0%	0	0.0%	0	275	-100.0%
PANHANDLE PIPE SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	3,135	3,304	-5.1%	2,905	7.9%	26,138	38,141	-31.5%
PETRO CRCKS & SPRDS ASIA	50	0	0.0%	21	138.1%	332	609	-45.5%
PETRO CRCKS & SPRDS NA	31,273	38,945	-19.7%	30,498	2.5%	308,938	358,703	-13.9%
PETRO CRK&SPRD EURO	2,618	7,729	-66.1%	2,585	1.3%	26,569	73,579	-63.9%
PETROLEUM PRODUCTS	809	4,635	-82.5%	1,244	-35.0%	21,146	37,027	-42.9%
PETROLEUM PRODUCTS ASIA	980	1,615	-39.3%	1,731	-43.4%	12,794	16,068	-20.4%
PETRO OUTRIGHT EURO	3,798	3,333	14.0%	3,434	10.6%	31,010	38,211	-18.8%
PETRO OUTRIGHT NA	3,262	10,085	-67.7%	7,017	-53.5%	48,319	59,992	-19.5%
PJM AD HUB 5MW REAL TIME	0	0	0.0%	0	0.0%	119,740	40,685	194.3%
PJM AECO DA OFF-PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM AECO DA PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM APS ZONE DA OFF-PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM APS ZONE DA PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM ATSI ELEC	0	0	0.0%	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	0	0	0.0%	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAILY	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
PJM JCPL DA OFF-PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM JCPL DA PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM MONTHLY	0	0	0.0%	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	49,200	0	0.0%	0	0.0%	73,845	5,100	1,347.9%
PJM NILL DA OFF-PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	0	0	0.0%	0	0.0%	0	22	-100.0%
PJM OFF-PEAK LMP SWAP FUT	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK CAL	0	0	-	0	0.0%	0	0	-
PJM PPL DA OFF-PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM PPL DA PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM PSEG DA OFF-PEAK	0	23,400	-100.0%	0	0.0%	0	23,400	-100.0%
PJM PSEG DA PEAK	0	1,275	-100.0%	0	0.0%	0	1,275	-100.0%
PJM WESTH DA OFF-PEAK	0	23,400	-100.0%	0	0.0%	0	101,810	-100.0%
PJM WESTHDA PEAK	0	1,275	-100.0%	0	0.0%	0	5,525	-100.0%
PJM WESTH RT OFF-PEAK	0	0	0.0%	0	0.0%	47,100	294,000	-84.0%
PJM WESTH RT PEAK	0	2,791	-100.0%	514	-100.0%	47,090	45,970	2.4%

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## CMEG Exchange Volume Report - Monthly

	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Futures</b>								
PLASTICS	540	471	14.6%	620	-12.9%	5,720	3,015	89.7%
PREMIUM UNLD 10P FOB MED	32	174	-81.6%	33	-3.0%	805	2,033	-60.4%
PREMIUM UNLEAD 10PPM FOB	32	48	-33.3%	15	113.3%	65	403	-83.9%
PREM UNL GAS 10PPM RDAM F	0	0	0.0%	0	0.0%	20	80	-75.0%
PREM UNL GAS 10PPM RDAM F	0	116	-100.0%	0	0.0%	30	186	-83.9%
PROPANE NON-LDH MB (OPIS) B	985	707	39.3%	1,343	-26.7%	12,059	4,398	174.2%
PROPANE NON-LDH MT. BEL (OF	11,081	12,617	-12.2%	30,094	-63.2%	145,845	93,749	55.6%
RBOB CALENDAR SWAP	3,707	6,092	-39.1%	4,083	-9.2%	47,876	46,084	3.9%
RBOB CRACK SPREAD	150	60	150.0%	560	-73.2%	8,875	9,213	-3.7%
RBOB CRACK SPREAD BALMO S	0	0	0.0%	0	0.0%	25	0	0.0%
RBOB GAS	0	0	0.0%	12	-100.0%	72	14,374	-99.5%
RBOB GASOLINE BALMO CLNDR	852	833	2.3%	821	3.8%	7,896	9,000	-12.3%
RBOB PHY	3,663,823	4,858,921	-24.6%	4,235,311	-13.5%	34,884,158	33,728,168	3.4%
RBOB SPREAD (PLATTS) SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0.0%	75	1,975	-96.2%
SAN JUAN BASIS SWAP	0	0	0.0%	0	0.0%	0	58	-100.0%
SAN JUAN PIPE SWAP	0	0	0.0%	0	0.0%	0	360	-100.0%
SINGAPORE 180CST BALMO	20	48	-58.3%	15	33.3%	113	438	-74.2%
SINGAPORE 380CST BALMO	123	282	-56.4%	343	-64.1%	716	1,808	-60.4%
SINGAPORE 380CST FUEL OIL	2,234	10,558	-78.8%	2,649	-15.7%	24,137	72,321	-66.6%
SINGAPORE FUEL 180CST CAL	185	543	-65.9%	267	-30.7%	2,232	7,197	-69.0%
SINGAPORE FUEL OIL SPREAD	60	273	-78.0%	75	-20.0%	495	5,724	-91.4%
SINGAPORE GASOIL	7,614	4,200	81.3%	7,124	6.9%	47,029	42,907	9.6%
SINGAPORE GASOIL CALENDAR	225	50	350.0%	527	-57.3%	1,720	5,074	-66.1%
SINGAPORE GASOIL SWAP	819	6,590	-87.6%	908	-9.8%	8,315	35,693	-76.7%
SINGAPORE GASOIL VS ICE	0	5,775	-100.0%	150	-100.0%	4,490	107,216	-95.8%
SINGAPORE JET KERO BALMO	0	0	0.0%	0	0.0%	0	215	-100.0%
SINGAPORE JET KERO GASOIL	0	2,325	-100.0%	0	0.0%	100	31,170	-99.7%
SINGAPORE JET KEROSENE SW	275	1,995	-86.2%	425	-35.3%	4,565	9,060	-49.6%
SINGAPORE JET KERO VS. GAS	0	375	-100.0%	0	0.0%	0	400	-100.0%
SINGAPORE MOGAS 92 UNLEAD	0	1,793	-100.0%	50	-100.0%	1,475	4,976	-70.4%
SINGAPORE MOGAS 92 UNLEAD	1,592	9,639	-83.5%	5,867	-72.9%	83,283	111,179	-25.1%
SINGAPORE NAPHTHA SWAP	0	0	0.0%	0	0.0%	0	200	-100.0%
SING FUEL	0	0	0.0%	0	0.0%	0	95	-100.0%
SOCAL PIPE SWAP	0	0	0.0%	0	-	0	0	0.0%
SONAT BASIS SWAP FUTURE	0	0	0.0%	0	-	0	0	0.0%
SOUTH STAR TEX OKLHM KNS	0	0	0.0%	0	0.0%	0	0	0.0%
Sumas Basis Swap	0	0	0.0%	0	0.0%	0	91	-100.0%
SUMAS NAT GAS PLATTS FIXED	0	0	0.0%	0	-	0	0	0.0%
TC2 ROTTERDAM TO USAC 37K	91	0	0.0%	546	-83.3%	2,061	548	276.1%
TC5 RAS TANURA TO YOKOHAM	20	0	0.0%	530	-96.2%	2,501	240	942.1%
TCO BASIS SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
TCO NG INDEX SWAP	0	0	0.0%	0	-	0	0	0.0%
TD3 MEG TO JAPAN 250K MT	2,965	2,035	45.7%	6,760	-56.1%	37,946	8,655	338.4%
TENNESSEE 500 LEG BASIS S	0	0	0.0%	0	-	0	0	0.0%
TENNESSEE 800 LEG NG BASI	0	0	0.0%	0	-	0	0	0.0%
TENNESSEE ZONE 0 BASIS SW	0	0	0.0%	0	0.0%	0	0	0.0%
TETCO M-3 INDEX	0	0	0.0%	0	-	0	0	0.0%
Tetco STX Basis	0	0	0.0%	0	0.0%	0	0	0.0%
TEXAS EASTERN ZONE M-3 BA	0	0	0.0%	0	0.0%	0	0	0.0%

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## CMEG Exchange Volume Report - Monthly

	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Futures</b>								
TEXAS GAS ZONE1 NG BASIS	0	0	0.0%	0	0.0%	0	0	0.0%
Transco Zone 3 Basis	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 3 NG INDEX S	0	0	0.0%	0	-	0	0	0.0%
TRANSCO ZONE4 BASIS SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 4 NAT GAS IN	0	0	0.0%	0	-	0	0	0.0%
TRANSCO ZONE 6 BASIS SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 INDEX	0	0	0.0%	0	-	0	0	0.0%
UCM FUT	0	0	0.0%	0	0.0%	20	60	-66.7%
UK NBP NAT GAS CAL MTH FUT	1,170	1,336	-12.4%	150	680.0%	4,469	40,712	-89.0%
ULSD 10PPM CIF MED SWAP	0	0	0.0%	0	-	0	0	0.0%
ULSD 10PPM CIF MED VS ICE	0	0	0.0%	0	0.0%	0	14	-100.0%
ULSD 10PPM CIF NW BALMO S	0	0	0.0%	0	-	0	0	0.0%
ULSD UP-DOWN BALMO SWP	2,555	4,837	-47.2%	5,070	-49.6%	40,170	40,362	-0.5%
UP DOWN GC ULSD VS NMX HO	43,125	33,292	29.5%	27,797	55.1%	244,916	253,949	-3.6%
WAHA BASIS	0	0	0.0%	0	0.0%	650	3,201	-79.7%
WAHA INDEX SWAP FUTURE	0	0	0.0%	0	-	0	0	0.0%
WESTERN RAIL DELIVERY PRB	0	0	0.0%	0	0.0%	0	25	-100.0%
WTI-BRENT BULLET SWAP	35	0	0.0%	550	-93.6%	1,449	6,650	-78.2%
WTI-BRENT CALENDAR SWAP	32,180	14,291	125.2%	36,248	-11.2%	288,407	250,805	15.0%
WTI CALENDAR	22,528	35,424	-36.4%	36,849	-38.9%	320,094	264,043	21.2%
WTS (ARGUS) VS WTI SWAP	2,235	13,583	-83.5%	3,750	-40.4%	36,907	68,502	-46.1%
WTS (ARGUS) VS WTI TRD MT	1,560	1,815	-14.0%	0	0.0%	6,493	5,385	20.6%
<b>Energy Options</b>								
12 MO GASOIL CAL SWAP SPR	0	0	0.0%	0	-	0	0	0.0%
BRENT 1 MONTH CAL	0	0	0.0%	0	0.0%	0	3,000	-100.0%
BRENT CALENDAR SWAP	780	970	-19.6%	0	0.0%	3,810	5,715	-33.3%
BRENT CRUDE OIL 12 M CSO	0	0	0.0%	0	0.0%	0	2,000	-100.0%
BRENT CRUDE OIL 1 M CSO	0	11,500	-100.0%	2,540	-100.0%	35,190	385,838	-90.9%
BRENT CRUDE OIL 6 M CSO	0	0	0.0%	0	0.0%	0	1,000	-100.0%
BRENT OIL LAST DAY	99,912	135,721	-26.4%	99,398	0.5%	1,101,740	1,306,147	-15.6%
COAL API2 INDEX	100	610	-83.6%	200	-50.0%	970	8,820	-89.0%
COAL API4 INDEX	0	0	0.0%	0	0.0%	0	85	-100.0%
COAL SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL	0	0	-	0	0.0%	150	0	-
CRUDE OIL 1MO	221,175	115,030	92.3%	250,925	-11.9%	1,873,511	1,718,040	9.0%
CRUDE OIL APO	32,588	31,738	2.7%	36,148	-9.8%	377,777	371,503	1.7%
CRUDE OIL CALNDR STRIP	0	0	0.0%	0	0.0%	200	170	17.6%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0.0%	960	0	0.0%
CRUDE OIL PHY	2,994,877	3,012,489	-0.6%	2,581,059	16.0%	22,323,892	28,749,840	-22.4%
ELEC MISO PEAK	0	0	0.0%	0	-	0	0	0.0%
ETHANOL	0	0	0.0%	0	0.0%	0	425	-100.0%
ETHANOL SWAP	22,538	3,781	496.1%	15,793	42.7%	91,706	60,479	51.6%
EUROPEAN JET KEROSENE NW	0	0	0.0%	0	-	0	0	0.0%
GASOLINE	0	0	0.0%	0	-	0	0	0.0%
HEATING OIL CRACK OPTIONS	0	0	0.0%	0	-	0	0	0.0%
HEATING OIL CRK SPD AVG PRI	0	0	0.0%	0	-	0	0	0.0%
HEATING OIL PHY	25,818	23,794	8.5%	25,783	0.1%	231,016	240,253	-3.8%
HENRY HUB FINANCIAL LAST	2,673	5,117	-47.8%	4,100	-34.8%	48,696	32,365	50.5%

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## CMEG Exchange Volume Report - Monthly

	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Options</b>								
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0.0%	2,150	0	0.0%
LLS CRUDE OIL	0	0	0.0%	0	0.0%	0	100	-100.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	0	0.0%	130	255	-49.0%
MCCLOSKEY RCH BAY COAL	50	0	0.0%	200	-75.0%	920	1,905	-51.7%
NATURAL GAS	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS 1 M CSO FIN	144,150	30,645	370.4%	82,050	75.7%	433,475	286,327	51.4%
NATURAL GAS 2 M CSO FIN	500	0	0.0%	1,250	-60.0%	4,125	1,200	243.8%
NATURAL GAS 3 M CSO FIN	59,350	5,500	979.1%	34,650	71.3%	178,350	43,546	309.6%
NATURAL GAS 5 M CSO FIN	500	0	0.0%	0	0.0%	1,600	2,550	-37.3%
NATURAL GAS 6 M CSO FIN	5,550	1,700	226.5%	1,800	208.3%	41,075	70,950	-42.1%
NATURAL GAS OPTION ON CALE	3,600	1,000	260.0%	6,260	-42.5%	18,960	22,308	-15.0%
NATURAL GAS PHY	1,496,994	1,698,605	-11.9%	1,668,703	-10.3%	12,413,963	15,196,406	-18.3%
NATURAL GAS WINTER STRIP	200	1,200	-83.3%	0	0.0%	1,500	1,200	25.0%
N ROCKIES PIPE SWAP	546	708	-22.9%	960	-43.1%	3,624	1,780	103.6%
NY HARBOR HEAT OIL SWP	1,503	1,999	-24.8%	462	225.3%	16,987	20,187	-15.9%
NYISO ZONE G 5MW PEAK OPTI	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL APO	0	0	0.0%	0	-	0	0	0.0%
PANHANDLE PIPE SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	166	2,573	-93.5%	38	336.8%	5,179	9,664	-46.4%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0.0%	24	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	120	-100.0%	240	0	0.0%
PJM WES HUB PEAK CAL MTH	0	10	-100.0%	100	-100.0%	640	1,200	-46.7%
PJM WES HUB PEAK LMP 50MW	0	443	-100.0%	0	0.0%	836	6,857	-87.8%
RBOB 1MO CAL SPD OPTIONS	0	0	0.0%	0	0.0%	150	700	-78.6%
RBOB CALENDAR SWAP	0	0	0.0%	120	-100.0%	381	965	-60.5%
RBOB CRACK	0	0	-	0	0.0%	0	0	-
RBOB PHY	11,309	8,825	28.1%	12,200	-7.3%	127,714	92,437	38.2%
ROTTERDAM 3.5%FUEL OIL CL	0	0	0.0%	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	1,092	124	780.6%	604	80.8%	2,970	1,882	57.8%
SHORT TERM	530	1,156	-54.2%	1,000	-47.0%	3,673	7,531	-51.2%
SHORT TERM NATURAL GAS	2,625	1,364	92.4%	1,400	87.5%	9,309	19,115	-51.3%
SINGAPORE GASOIL CALENDAR	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEND	0	0	0.0%	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT BULLET SWAP	97,950	20,030	389.0%	29,500	232.0%	444,030	739,797	-40.0%
WTI CRUDE OIL 1 M CSO FI	45,825	47,550	-3.6%	20,030	128.8%	431,120	596,150	-27.7%

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## CMEG Exchange Volume Report - Monthly

	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>FX Futures</b>								
AD/CD CROSS RATES	8	9	-11.1%	5	60.0%	117	56	108.9%
AD/JY CROSS RATES	3,259	4,500	-27.6%	1,763	84.9%	24,805	33,768	-26.5%
AD/NE CROSS RATES	212	120	76.7%	235	-9.8%	955	665	43.6%
AUSTRALIAN DOLLAR	1,882,365	2,441,096	-22.9%	1,876,317	0.3%	16,947,169	19,080,999	-11.2%
BDI	0	0	0.0%	0	-	0	0	0.0%
BP/JY CROSS RATES	4,197	3,173	32.3%	3,354	25.1%	23,102	26,542	-13.0%
BP/SF CROSS RATES	241	456	-47.1%	847	-71.5%	3,542	2,910	21.7%
BRAZIL REAL	263,943	178,712	47.7%	118,241	123.2%	1,231,662	1,158,376	6.3%
BRITISH POUND	2,341,335	2,318,562	1.0%	2,081,929	12.5%	18,982,965	21,628,979	-12.2%
CANADIAN DOLLAR	1,651,598	1,639,309	0.7%	1,391,572	18.7%	12,904,851	14,131,848	-8.7%
CD/JY CROSS RATES	1	307	-99.7%	6	-83.3%	126	1,289	-90.2%
CHINESE RENMINBI (CNH)	37,560	20,530	83.0%	26,940	39.4%	220,119	38,164	476.8%
CZECK KORUNA (EC)	0	0	0.0%	0	0.0%	18	2	800.0%
CZECK KORUNA (US)	0	42	-100.0%	0	0.0%	0	72	-100.0%
EC/AD CROSS RATES	2,968	2,251	31.9%	3,490	-15.0%	40,265	15,933	152.7%
EC/CD CROSS RATES	1,638	1,195	37.1%	1,594	2.8%	23,484	28,059	-16.3%
EC/NOK CROSS RATES	722	498	45.0%	370	95.1%	4,898	2,985	64.1%
EC/SEK CROSS RATES	261	333	-21.6%	409	-36.2%	5,865	6,187	-5.2%
EFX/BP CROSS RATES	77,585	54,491	42.4%	79,851	-2.8%	730,857	651,297	12.2%
EFX/JY CROSS RATES	66,102	64,627	2.3%	41,025	61.1%	525,859	681,402	-22.8%
EFX/SF CROSS RATES	31,881	24,960	27.7%	27,760	14.8%	273,587	227,791	20.1%
E-MICRO AUD/USD	100,077	149,459	-33.0%	97,827	2.3%	893,344	846,303	5.6%
E-MICRO CAD/USD	19,084	18,790	1.6%	17,664	8.0%	137,824	145,699	-5.4%
E-MICRO CHF/USD	6,084	1,712	255.4%	4,292	41.8%	22,065	11,298	95.3%
E-MICRO EUR/USD	218,126	322,810	-32.4%	224,416	-2.8%	1,958,012	3,032,428	-35.4%
E-MICRO GBP/USD	46,219	36,069	28.1%	40,880	13.1%	343,001	381,922	-10.2%
E-MICRO INR/USD	6,623	6,170	7.3%	5,860	13.0%	40,190	34,990	14.9%
E-MICRO JPY/USD	43,529	27,834	56.4%	25,014	74.0%	236,620	252,365	-6.2%
E-MINI EURO FX	84,969	85,800	-1.0%	84,190	0.9%	771,892	828,383	-6.8%
E-MINI JAPANESE YEN	43,174	12,381	248.7%	24,133	78.9%	130,423	108,597	20.1%
EURO FX	3,989,025	6,009,644	-33.6%	3,785,651	5.4%	34,181,813	47,169,623	-27.5%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0.0%	0	18	-100.0%
HUNGARIAN FORINT (US)	0	406	-100.0%	0	0.0%	8	437	-98.2%
INDIAN RUPEE	98,922	73,591	34.4%	58,879	68.0%	572,522	695,568	-17.7%
JAPANESE YEN	3,377,730	2,522,287	33.9%	2,168,419	55.8%	21,644,866	24,756,494	-12.6%
KOREAN WON	785	387	102.8%	383	105.0%	5,745	3,082	86.4%
MEXICAN PESO	1,175,826	1,344,303	-12.5%	871,362	34.9%	10,168,357	11,359,688	-10.5%
NEW ZEALND DOLLAR	525,837	579,751	-9.3%	498,466	5.5%	4,617,803	5,195,091	-11.1%
NKR/USD CROSS RATE	6,240	5,605	11.3%	4,721	32.2%	41,168	36,909	11.5%
POLISH ZLOTY (EC)	13	64	-79.7%	11	18.2%	468	148	216.2%
POLISH ZLOTY (US)	75	105	-28.6%	122	-38.5%	939	777	20.8%
RMB USD	1	5	-80.0%	0	0.0%	6	23	-73.9%
RUSSIAN RUBLE	75,418	45,756	64.8%	51,093	47.6%	629,087	467,287	34.6%
S.AFRICAN RAND	87,824	65,062	35.0%	57,916	51.6%	411,877	383,700	7.3%
SF/JY CROSS RATES	0	0	0.0%	0	0.0%	7	192	-96.4%
SHEKEL	0	24	-100.0%	0	0.0%	0	2,584	-100.0%
SKR/USD CROSS RATES	2,607	4,262	-38.8%	2,400	8.6%	25,930	35,236	-26.4%
SWISS FRANC	623,809	633,395	-1.5%	463,577	34.6%	4,437,286	4,852,118	-8.5%
TURKISH LIRA	168	981	-82.9%	141	19.1%	8,239	34,651	-76.2%
USDZAR	0	0	0.0%	0	0.0%	20	5	300.0%

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## CMEG Exchange Volume Report - Monthly

	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>FX Options</b>								
AUD/USD PQO 2pm Fix	94,152	133,850	-29.7%	70,727	33.1%	781,419	1,047,069	-25.4%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	-	0	0	0.0%
AUSTRALIAN DOLLAR	0	0	0.0%	0	-	0	0	0.0%
BRAZIL REAL	57	0	-	23	147.8%	136	0	-
BRITISH POUND	0	0	0.0%	0	-	0	0	0.0%
BRITISH POUND (EU)	0	18	-100.0%	0	0.0%	0	272	-100.0%
CAD/USD PQO 2pm Fix	91,538	131,260	-30.3%	68,218	34.2%	798,276	1,318,332	-39.4%
CANADIAN DOLLAR	0	0	0.0%	0	-	0	0	0.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	0	0.0%	0	63	-100.0%
CHF/USD PQO 2pm Fix	3,025	2,338	29.4%	2,605	16.1%	23,539	24,559	-4.2%
EFX/BP CROSS RATES	0	0	-	0	0.0%	74	0	-
EFX/JY CROSS RATES	0	0	0.0%	0	0.0%	0	2,870	-100.0%
EURO FX	0	0	0.0%	0	-	0	0	0.0%
EURO FX (EU)	0	20	-100.0%	0	0.0%	0	56	-100.0%
EUR/USD PQO 2pm Fix	599,264	776,004	-22.8%	557,977	7.4%	4,405,726	6,322,857	-30.3%
GBP/USD PQO 2pm Fix	102,519	306,336	-66.5%	144,911	-29.3%	1,306,435	2,024,939	-35.5%
JAPANESE YEN	0	0	0.0%	0	-	0	0	0.0%
JAPANESE YEN (EU)	0	0	0.0%	0	0.0%	0	0	0.0%
JPY/USD PQO 2pm Fix	274,535	255,637	7.4%	165,234	66.1%	1,714,623	2,148,751	-20.2%
MEXICAN PESO	3,302	764	332.2%	1,195	176.3%	14,637	16,646	-12.1%
NEW ZEALND DOLLAR	537	0	-	523	2.7%	3,649	0	-
SWISS FRANC	0	0	0.0%	0	-	0	0	0.0%
SWISS FRANC (EU)	0	0	0.0%	0	-	0	0	0.0%
<b>Ags Futures</b>								
FERTILIZER PRODUCS	3,300	500	560.0%	2,810	17.4%	15,065	7,960	89.3%
<b>Foreign Exchange Futures</b>								
CHILEAN PESO	0	1,960	-100.0%	0	0.0%	410	15,801	-97.4%
<b>Foreign Exchange Options</b>								
AUD/USD PQO 2pm Fix	564	1,782	-68.4%	553	2.0%	6,503	6,926	-6.1%

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## CMEG Exchange Volume Report - Monthly

	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Ag Products Futures</b>								
BUTTER CS	4,890	3,277	49.2%	5,701	-14.2%	33,073	34,091	-3.0%
CASH-SETTLED CHEESE	8,904	10,189	-12.6%	12,981	-31.4%	89,778	81,520	10.1%
CATTLE	1,338,625	1,205,491	11.0%	1,321,550	1.3%	11,570,303	11,021,516	5.0%
CAT WEATHER EUROPEAN	0	0	-	0	0.0%	3,200	0	-
CDD SEASONAL STRIP	0	0	0.0%	0	0.0%	450	600	-25.0%
CDD WEATHER	200	0	0.0%	1,600	-87.5%	8,975	2,150	317.4%
CHI WHEAT	2,877,286	4,177,635	-31.1%	2,271,562	26.7%	22,535,923	27,754,129	-18.8%
CLASS IV MILK	2,888	605	377.4%	1,360	112.4%	20,000	4,818	315.1%
COCOA TAS	0	0	0.0%	0	0.0%	8	5	60.0%
COFFEE	0	0	0.0%	0	-	0	0	0.0%
CORN	10,317,405	8,636,961	19.5%	8,041,443	28.3%	79,686,391	71,198,066	11.9%
COTTON	1	2	-50.0%	14	-92.9%	30	4	650.0%
DJ_UBS ROLL SELECT INDEX FU	0	82	-100.0%	452	-100.0%	7,944	10,911	-27.2%
DOW-UBS COMMOD INDEX	23,989	39,428	-39.2%	25,015	-4.1%	371,085	637,646	-41.8%
DRY WHEY	734	1,238	-40.7%	908	-19.2%	9,975	10,165	-1.9%
FEEDER CATTLE	363,903	372,382	-2.3%	305,091	19.3%	2,547,433	2,446,206	4.1%
FERTILIZER PRODUCTS	625	2,785	-77.6%	850	-26.5%	13,850	18,570	-25.4%
GOLDMAN SACHS	26,874	30,402	-11.6%	27,483	-2.2%	227,774	253,642	-10.2%
GSCI EXCESS RETURN FUT	8,100	2,904	178.9%	380	2,031.6%	226,652	243,214	-6.8%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	-	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0.0%	2,100	505	315.8%
HDD WEATHER EUROPEAN	0	18,000	-100.0%	0	0.0%	3,000	18,000	-83.3%
HOGS	1,216,746	1,308,397	-7.0%	1,570,486	-22.5%	10,804,063	9,149,273	18.1%
HOUSING INDEX	10	8	25.0%	10	0.0%	91	65	40.0%
Intercommodity Spread	0	0	0.0%	0	0.0%	0	0	0.0%
KC WHEAT	1,630,686	1,692,376	-3.6%	1,125,371	44.9%	11,028,562	11,582,325	-4.8%
LUMBER	13,524	19,983	-32.3%	12,478	8.4%	113,659	155,867	-27.1%
MALAYSIAN PALM SWAP	7,320	3,560	105.6%	9,180	-20.3%	31,920	37,454	-14.8%
MILK	24,635	27,829	-11.5%	26,154	-5.8%	199,411	184,639	8.0%
MINI CORN	20,987	10,167	106.4%	16,852	24.5%	122,520	83,928	46.0%
MINI SOYBEAN	18,777	17,011	10.4%	17,531	7.1%	144,667	190,311	-24.0%
MINI WHEAT	11,518	11,591	-0.6%	9,256	24.4%	54,155	66,137	-18.1%
MLK MID OPTIONS	0	0	0.0%	0	0.0%	0	0	0.0%
NFD MILK	6,149	4,785	28.5%	5,373	14.4%	52,280	41,971	24.6%
OATS	9,034	16,254	-44.4%	9,460	-4.5%	111,491	118,091	-5.6%
ROUGH RICE	32,019	27,341	17.1%	13,534	136.6%	169,568	159,637	6.2%
SOYBEAN	3,771,778	4,088,896	-7.8%	3,820,585	-1.3%	34,563,894	41,850,852	-17.4%
SOYBEAN MEAL	2,270,848	2,725,189	-16.7%	1,992,617	14.0%	18,937,327	22,292,161	-15.0%
SOYBEAN OIL	2,651,269	2,203,029	20.3%	2,231,788	18.8%	19,952,531	20,983,359	-4.9%
S&P GSCI ENHANCED ER SWAP	0	0	0.0%	0	0.0%	22,394	26,314	-14.9%
SUGAR 11	0	0	0.0%	0	0.0%	10	58	-82.8%
USD CRUDE PALM OIL	980	730	34.2%	490	100.0%	9,324	6,060	53.9%
WHEAT	19,314	23,028	-16.1%	24,452	-21.0%	129,528	104,720	23.7%
<b>Ag Products Options</b>								
AUG-NOV SOYBEAN CAL SPRD	0	0	0.0%	0	-	0	0	0.0%
BUTTER CS	1,623	3,777	-57.0%	2,277	-28.7%	27,689	31,090	-10.9%
CASH-SETTLED CHEESE	7,270	9,359	-22.3%	8,672	-16.2%	77,978	79,652	-2.1%

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## CMEG Exchange Volume Report - Monthly

	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Ag Products Options</b>								
CATTLE	212,453	154,802	37.2%	132,132	60.8%	1,585,749	1,964,359	-19.3%
CAT WEATHER EUROPEAN	0	0	-	0	0.0%	2,000	0	-
CDD SEASONAL STRIP	0	0	0.0%	0	0.0%	5,000	700	614.3%
CDD WEATHER	0	0	0.0%	0	-	0	0	0.0%
CHI WHEAT	649,041	1,046,345	-38.0%	614,076	5.7%	5,658,140	6,917,298	-18.2%
CLASS IV MILK	2,994	2,249	33.1%	3,559	-15.9%	32,150	9,195	249.6%
CORN	3,273,559	2,407,587	36.0%	3,078,169	6.3%	24,692,590	19,591,644	26.0%
CORN NEARBY+2 CAL SPRD	7,205	9,140	-21.2%	8,506	-15.3%	42,934	17,018	152.3%
DEC-DEC CORN CAL SPRD	3,109	5,734	-45.8%	1,496	107.8%	14,025	15,638	-10.3%
DEC-JULY CORN CAL SPRD	515	4,950	-89.6%	3,002	-82.8%	18,945	14,444	31.2%
DEC-JULY WHEAT CAL SPRD	0	34	-100.0%	0	0.0%	0	144	-100.0%
DRY WHEY	26	935	-97.2%	325	-92.0%	6,533	5,068	28.9%
FEEDER CATTLE	34,114	30,045	13.5%	29,115	17.2%	259,475	243,241	6.7%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0.0%	0	3,000	-100.0%
HDD WEATHER	0	0	0.0%	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	-	0	0	0.0%
HOGS	367,038	386,953	-5.1%	430,322	-14.7%	3,010,043	1,863,143	61.6%
HOUSING INDEX	0	0	0.0%	0	0.0%	7	0	0.0%
Intercommodity Spread	0	480	-100.0%	0	0.0%	1,000	10,009	-90.0%
JAN-MAY SOYBEAN CAL SPRD	0	0	0.0%	0	-	0	0	0.0%
JULY-DEC CORN CAL SPRD	174	600	-71.0%	693	-74.9%	12,447	10,546	18.0%
JULY-DEC SOYMEAL CAL SPRD	0	0	0.0%	0	0.0%	0	1,200	-100.0%
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	-	0	0	0.0%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0.0%	1,450	2,420	-40.1%
JULY-NOV SOYBEAN CAL SPRD	100	1,950	-94.9%	0	0.0%	6,221	52,056	-88.0%
KC WHEAT	108,101	121,095	-10.7%	94,132	14.8%	778,718	770,064	1.1%
LUMBER	1,452	1,213	19.7%	2,004	-27.5%	15,110	14,208	6.3%
LV CATL CSO	0	0	0.0%	0	0.0%	479	113	323.9%
MAR-JULY CORN CAL SPRD	20	0	0.0%	20	0.0%	40	0	0.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0.0%	30	200	-85.0%
MILK	35,476	48,320	-26.6%	40,603	-12.6%	300,878	271,647	10.8%
MLK MID OPTIONS	4	69	-94.2%	21	-81.0%	214	402	-46.8%
NFD MILK	3,954	3,296	20.0%	5,086	-22.3%	53,440	40,493	32.0%
NOV-JULY SOYBEAN CAL SPRD	300	0	0.0%	250	20.0%	3,550	1	354,900.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	0.0%	20	130	-84.6%
NOV-NOV SOYBEAN CAL SPRD	0	100	-100.0%	1,020	-100.0%	1,884	118	1,496.6%
OATS	197	788	-75.0%	158	24.7%	4,030	3,393	18.8%
ROUGH RICE	7,064	2,333	202.8%	3,577	97.5%	22,971	12,485	84.0%
SEP-DEC SOYBEAN MEAL CSO	0	0	0.0%	0	0.0%	0	1,170	-100.0%
SOYBEAN	962,152	1,578,773	-39.1%	1,113,335	-13.6%	9,520,193	14,248,770	-33.2%
SOYBEAN CRUSH	0	0	0.0%	0	0.0%	4	185	-97.8%
SOYBEAN MEAL	145,595	271,715	-46.4%	163,197	-10.8%	1,296,227	2,543,442	-49.0%
SOYBEAN OIL	143,081	109,963	30.1%	92,839	54.1%	910,933	915,892	-0.5%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	0	0.0%	5,500	10	54,900.0%
SOYMEAL NEARBY+2 CAL SPRD	0	0	0.0%	25	-100.0%	490	2,650	-81.5%
WHEAT	4,230	620	582.3%	2,915	45.1%	38,227	3,243	1,078.8%
WHEAT-CORN ICSO	0	340	-100.0%	100	-100.0%	2,680	5,120	-47.7%
WHEAT NEARBY+2 CAL SPRD	100	1,197	-91.6%	200	-50.0%	2,540	12,363	-79.5%

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## CMEG Exchange Volume Report - Monthly

	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	234,808,812	155,779,241	50.7%	139,445,230	68.4%	1,360,117,435	1,247,385,367	9.0%
Equity Index Futures	88,435,258	39,344,852	124.8%	51,569,955	71.5%	474,779,026	415,459,719	14.3%
Metals Futures	16,650,134	12,844,641	29.6%	14,679,597	13.4%	96,756,858	104,678,234	-7.6%
Energy Futures	48,371,568	39,648,108	22.0%	43,136,811	12.1%	361,004,329	377,103,819	-4.3%
FX Futures	16,898,041	18,701,824	-9.6%	14,143,125	19.5%	133,223,758	158,352,940	-15.9%
Ags Futures	3,300	500	560.0%	2,810	17.4%	15,065	7,960	89.3%
Foreign Exchange Futures	0	1,960	-100.0%	0	0.0%	410	15,801	-97.4%
Ag Products Futures	26,680,018	26,681,555	0.0%	22,902,007	16.5%	213,805,339	220,768,980	-3.2%
<b>TOTAL FUTURES</b>	<b>431,847,131</b>	<b>293,002,681</b>	<b>47.4%</b>	<b>285,879,535</b>	<b>51.1%</b>	<b>2,639,702,220</b>	<b>2,523,772,820</b>	<b>4.6%</b>
<b>TOTAL OPTIONS GROUP</b>								
Equity Index Options	20,703,844	15,162,569	36.5%	11,099,226	86.5%	108,343,382	134,866,000	-19.7%
Interest Rate Options	67,604,346	42,974,033	57.3%	54,762,505	23.5%	495,984,356	398,165,689	24.6%
Metals Options	2,821,264	1,556,060	81.3%	2,035,038	38.6%	13,562,030	9,830,413	38.0%
Energy Options	5,272,901	5,164,182	2.1%	4,877,393	8.1%	40,232,743	50,010,692	-19.6%
FX Options	1,168,929	1,606,227	-27.2%	1,011,413	15.6%	9,048,514	12,906,414	-29.9%
Ag Products Options	5,970,947	6,204,762	-3.8%	5,831,826	2.4%	48,412,534	49,677,964	-2.5%
Foreign Exchange Options	564	1,782	-68.4%	553	2.0%	6,503	6,926	-6.1%
<b>TOTAL OPTIONS</b>	<b>103,542,795</b>	<b>72,669,615</b>	<b>42.5%</b>	<b>79,617,954</b>	<b>30.0%</b>	<b>715,590,062</b>	<b>655,464,098</b>	<b>9.2%</b>
<b>TOTAL COMBINED</b>								
Interest Rate	302,413,158	198,753,274	52.2%	194,207,735	55.7%	1,856,101,791	1,645,551,056	12.8%
Equity Index	109,139,102	54,507,421	100.2%	62,669,181	74.2%	583,122,408	550,325,719	6.0%
Metals	19,471,398	14,400,701	35.2%	16,714,635	16.5%	110,318,888	114,508,647	-3.7%
Energy	53,644,469	44,812,290	19.7%	48,014,204	11.7%	401,237,072	427,114,511	-6.1%
FX	18,066,970	20,308,051	-11.0%	15,154,538	19.2%	142,272,272	171,259,354	-16.9%
Ags	3,300	500	560.0%	2,810	17.4%	15,065	7,960	89.3%
Foreign Exchange	564	3,742	-84.9%	553	2.0%	6,913	22,727	-69.6%
Ag Products	32,650,965	32,886,317	-0.7%	28,733,833	13.6%	262,217,873	270,446,944	-3.0%
<b>GRAND TOTAL</b>	<b>535,389,926</b>	<b>365,672,296</b>	<b>46.4%</b>	<b>365,497,489</b>	<b>46.5%</b>	<b>3,355,292,282</b>	<b>3,179,236,918</b>	<b>5.5%</b>

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