



CME Group Exchange Open Interest Report - Monthly

	Open Interest AUG 2019	Open Interest AUG 2018	% CHG	Open Interest JUL 2019	% CHG
Interest Rate Futures					
10-YR NOTE	3,660,733	3,829,258	-4.4%	3,930,158	-6.9%
10-YR SWAP RATE	138,306	30,236	357.4%	126,327	9.5%
15-YR SWAP RATE	10,850	0	-	10,850	0.0%
1-MONTH EURODOLLAR	204	353	-42.2%	15	1,260.0%
20-YR SWAP RATE	90	0	-	90	0.0%
2-YR NOTE	3,469,183	2,084,150	66.5%	3,895,366	-10.9%
2-YR SWAP RATE	29,212	0	-	29,251	-0.1%
30-YR BOND	949,414	873,841	8.6%	939,122	1.1%
30-YR SWAP RATE	2,526	0	-	2,479	1.9%
3-YR SWAP RATE	12,412	0	-	17,341	-28.4%
4-YR SWAP RATE	7,836	0	-	8,178	-4.2%
5-YR NOTE	4,128,257	4,064,990	1.6%	4,601,370	-10.3%
5-YR SWAP RATE	58,913	19,909	195.9%	64,332	-8.4%
7-YR SWAP RATE	17,835	0	-	17,056	4.6%
EURODOLLARS	13,128,755	14,239,640	-7.8%	13,273,158	-1.1%
FED FUND	2,291,864	2,026,439	13.1%	2,305,013	-0.6%
SOFR	282,033	30,181	834.5%	220,890	27.7%
SONIA	14,667	0	-	14,629	0.3%
Ultra 10-Year Note	825,613	547,399	50.8%	783,083	5.4%
ULTRA T-BOND	1,180,226	1,037,009	13.8%	1,160,239	1.7%
Interest Rate Options					
10-YR NOTE	3,265,639	2,476,548	31.9%	3,688,703	-11.5%
2-YR NOTE	246,612	196,113	25.7%	295,149	-16.4%
30-YR BOND	1,048,864	659,033	59.2%	812,965	29.0%
5-YR NOTE	1,754,659	1,389,178	26.3%	1,951,944	-10.1%
EURODOLLARS	47,852,666	28,843,445	65.9%	44,906,040	6.6%
EURO MIDCURVE	16,385,948	16,583,060	-1.2%	16,658,366	-1.6%
FED FUND	18,848	1,495	1,160.7%	18,149	3.9%
Ultra 10-Year Note	9,356	0	-	6,171	51.6%
ULTRA T-BOND	21,247	3,206	562.7%	58,604	-63.7%

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Equity Index Futures					
BITCOIN FUTURES	4,008	2,653	51.1%	4,471	-10.4%
DJ US REAL ESTATE	37,881	31,109	21.8%	26,582	42.5%
E-mini (\$5) Dow	86,051	106,174	-19.0%	100,338	-14.2%
E-MINI COM SERVICES SELECT	10,155	0	-	7,413	37.0%
E-mini FTSE 100 (USD)	0	6	-100.0%	0	-
E-mini FTSE China 50	0	100	-100.0%	0	-
E-MINI MIDCAP	68,707	85,106	-19.3%	67,662	1.5%
E-MINI NASDAQ 100	198,936	267,680	-25.7%	232,284	-14.4%
E-MINI RUSSELL 1000	8,200	10,261	-20.1%	8,435	-2.8%
E-MINI RUSSELL 1000 GROWTH	4,058	6,064	-33.1%	4,069	-0.3%
E-MINI RUSSELL 1000 VALUE	6,771	5,655	19.7%	7,254	-6.7%
E-MINI RUSSELL 2000	461,713	560,451	-17.6%	444,070	4.0%
E-MINI S&P500	2,602,062	2,906,654	-10.5%	2,615,140	-0.5%
E-MINI S&P REAL ESTATE SELE	3,116	6,264	-50.3%	2,651	17.5%
FT-SE 100	0	89	-100.0%	0	-
FTSE Emerging	120	62	93.5%	2	5,900.0%
IBOVESPA INDEX	227	432	-47.5%	148	53.4%
MICRO E-MINI NASDAQ 100	24,912	0	-	21,789	14.3%
MICRO E-MINI RUSSELL 2000	6,828	0	-	8,670	-21.2%
MICRO E-MINI S&P500	53,905	0	-	23,910	125.4%
MICRO MINI \$5 DOW	5,484	0	-	5,884	-6.8%
NASDAQ BIOTECH	294	656	-55.2%	318	-7.5%
NIFTY 50	0	0	-	0	-
NIKKEI 225 (\$) STOCK	31,732	33,782	-6.1%	26,687	18.9%
NIKKEI 225 (YEN) STOCK	60,213	54,888	9.7%	56,470	6.6%
S&P 500	275,414	232,431	18.5%	253,455	8.7%
S&P 500 ANNUAL DIVIDEND IND	118,434	113,665	4.2%	120,322	-1.6%
S&P 500/GI	10	13	-23.1%	10	0.0%
S&P 500 QUARLY DIVIDEND IND	1,000	380	163.2%	240	316.7%
S&P 600 SMALLCAP EMINI	1,200	0	-	941	27.5%
S&P CONSUMER DSCRTNRY SE	3,417	7,494	-54.4%	3,589	-4.8%
S&P CONSUMER STAPLES SECT	15,523	17,808	-12.8%	15,261	1.7%
S&P ENERGY SECTOR	8,170	21,066	-61.2%	7,487	9.1%
S&P FINANCIAL SECTOR	17,084	30,647	-44.3%	19,703	-13.3%
S&P HEALTH CARE SECTOR	21,289	11,450	85.9%	14,630	45.5%
S&P INDUSTRIAL SECTOR	8,568	11,261	-23.9%	5,472	56.6%
S&P MATERIALS SECTOR	7,441	7,839	-5.1%	2,405	209.4%
S&P TECHNOLOGY SECTOR	8,130	16,610	-51.1%	8,450	-3.8%
S&P UTILITIES SECTOR	15,740	31,012	-49.2%	15,999	-1.6%
S&P VALUE INDEX FUTURES	12	14	-14.3%	12	0.0%
YEN DENOMINATED TOPIX	767	189	305.8%	650	18.0%

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Equity Index Options					
E-mini (\$5) Dow	3,655	9,742	-62.5%	2,912	25.5%
E-MINI NASDAQ 100	87,499	82,477	6.1%	62,172	40.7%
E-MINI RUSSELL 2000	21,536	20,089	7.2%	11,211	92.1%
E-MINI S&P500	3,089,777	2,659,355	16.2%	2,242,929	37.8%
EOM E-MINI RUSSELL 2000 END	3,993	2,459	62.4%	3,684	8.4%
EOM EMINI S&P	671,592	845,475	-20.6%	554,661	21.1%
EOM S&P 500	26,304	43,042	-38.9%	25,008	5.2%
EOW1 E-MINI RUSSELL 2000 WE	481	400	20.3%	378	27.2%
EOW1 E-MINI RUSSELL 2000 WE	943	560	68.4%	794	18.8%
EOW1 EMINI S&P 500	233,176	311,811	-25.2%	282,503	-17.5%
EOW1 S&P 500	29,429	60,376	-51.3%	43,976	-33.1%
EOW2 E-MINI RUSSELL 2000 WE	548	607	-9.7%	1,586	-65.4%
EOW2 EMINI S&P 500	141,983	141,989	0.0%	107,066	32.6%
EOW2 S&P 500	10,898	3,778	188.5%	5,799	87.9%
EOW3 E-MINI RUSSELL 2000 WE	6,520	5,332	22.3%	5,836	11.7%
EOW3 EMINI S&P 500	415,673	622,617	-33.2%	560,705	-25.9%
EOW3 S&P 500	22,123	66,899	-66.9%	48,403	-54.3%
EOW4 E-MINI RUSSELL 2000 WE	55	0	-	51	7.8%
EOW4 EMINI S&P 500	37,582	0	-	46,323	-18.9%
S&P 500	111,230	132,925	-16.3%	37,533	196.4%
Metals Futures					
ALUMINUM	52,492	62,040	-15.4%	51,375	2.2%
COMEX COPPER	258,903	233,727	10.8%	273,394	-5.3%
COMEX E-Mini GOLD	1,721	3,102	-44.5%	1,063	61.9%
COMEX E-Mini SILVER	355	206	72.3%	537	-33.9%
COMEX GOLD	610,294	469,839	29.9%	564,084	8.2%
COMEX MINY COPPER	64	30	113.3%	102	-37.3%
COMEX SILVER	218,872	212,641	2.9%	236,226	-7.3%
COPPER	9,872	11,585	-14.8%	10,876	-9.2%
E-MICRO GOLD	19,175	14,131	35.7%	18,126	5.8%
FERROUS PRODUCTS	2,305	2,731	-15.6%	2,845	-19.0%
GOLD	0	0	-	0	-
Gold Kilo	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FU	0	400	-100.0%	0	-
IRON ORE 62 CHINA TSI FUTURE	5,711	10,118	-43.6%	6,652	-14.1%
LNDN ZINC	0	13	-100.0%	3	-100.0%
NYMEX HOT ROLLED STEEL	15,201	15,268	-0.4%	19,031	-20.1%
NYMEX PLATINUM	84,830	87,077	-2.6%	77,143	10.0%
PALLADIUM	20,728	18,563	11.7%	25,822	-19.7%
SILVER	2,478	1,478	67.7%	2,012	23.2%
URANIUM	2,810	3,090	-9.1%	2,824	-0.5%

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Metals Options					
COMEX COPPER	29,367	16,891	73.9%	38,839	-24.4%
COMEX GOLD	1,704,924	1,287,185	32.5%	1,560,943	9.2%
COMEX SILVER	226,586	221,366	2.4%	211,302	7.2%
COPPER	307	0	0.0%	76	303.9%
GOLD	25,153	3,638	591.4%	36,815	-31.7%
HOT ROLLED COIL STEEL CALL	700	400	75.0%	900	-22.2%
IRON ORE 62 CHINA TSI CALL O	1,260	1,204	4.7%	1,200	5.0%
IRON ORE 62 CHINA TSI PUT OP	625	350	78.6%	630	-0.8%
NYMEX PLATINUM	9,105	8,968	1.5%	8,041	13.2%
PALLADIUM	1,719	2,379	-27.7%	1,899	-9.5%
SILVER	1,414	508	178.3%	2,403	-41.2%
Energy Futures					
3.5% FUEL OIL CID MED SWA	39	148	-73.6%	44	-11.4%
3.5% FUEL OIL CIF BALMO S	0	0	-	0	-
AEP-DAYTON HUB DAILY	38	82	-53.7%	38	0.0%
AEP-DAYTON HUB MTHLY	0	0	-	0	-
AEP-DAYTON HUB OFF-PEAK M	0	0	-	0	-
ALGON CITY GATES NAT GAS	0	0	-	0	-
ALGONQUIN CITYGATES BASIS	0	0	-	0	-
ANR LOUISIANA BASIS SWAP	0	0	-	0	-
ANR OKLAHOMA	0	668	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	21,794	40,046	-45.6%	25,300	-13.9%
ARGUS PROPAN FAR EST INDE	5,534	5,420	2.1%	5,558	-0.4%
ARGUS PROPAN(SAUDI ARAMC	2,174	2,164	0.5%	1,586	37.1%
AUSTRIALIAN COKE COAL	20	168	-88.1%	24	-16.7%
BRENT BALMO SWAP	362	0	-	50	624.0%
BRENT CALENDAR SWAP	30,104	19,293	56.0%	31,206	-3.5%
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	607	4,449	-86.4%	367	65.4%
BRENT OIL LAST DAY	231,351	185,571	24.7%	240,143	-3.7%
CAISO SP15 EZGNHUB5 MW P	0	0	-	0	-
CAISO SP15 EZGNHUB5 PEAK	0	0	-	0	-
CANADIAN LIGHT SWEET OIL	0	21	-100.0%	0	-
CENTERPOINT BASIS SWAP	359	4,689	-92.3%	468	-23.3%
CHICAGO ETHANOL SWAP	44,788	63,663	-29.6%	46,069	-2.8%
CHICAGO ULSD (PLATTS) SWA	0	0	-	0	-
CHICAGO ULSD PL VS HO SPR	2,929	1,528	91.7%	3,241	-9.6%
CHICAGO UNL GAS PL VS RBO	312	675	-53.8%	489	-36.2%
CIG BASIS	2,220	11,996	-81.5%	2,790	-20.4%
CIG ROCKIES NG INDEX SWA	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	0	50	-100.0%	0	-
CINERGY HUB PEAK MONTH	0	120	-100.0%	0	-
CIN HUB 5MW D AH O PK	0	41,440	-100.0%	0	-
CIN HUB 5MW D AH PK	698	5,720	-87.8%	566	23.3%
CIN HUB 5MW REAL TIME O P	72,304	261,704	-72.4%	82,104	-11.9%
CIN HUB 5MW REAL TIME PK	7,259	23,988	-69.7%	8,689	-16.5%
COAL SWAP	0	40	-100.0%	0	-
COLUMB GULF MAINLINE NG B	790	1,330	-40.6%	845	-6.5%

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Energy Futures					
COLUMBIA GULF ONSHORE	0	0	-	0	-
CONWAY NATURAL GASOLINE (1,277	985	29.6%	973	31.2%
CONWAY NORMAL BUTANE (OPI	1,269	1,694	-25.1%	1,285	-1.2%
CONWAY PROPANE 5 DECIMALS	25,834	26,527	-2.6%	25,427	1.6%
CRUDE OIL	19,996	23,222	-13.9%	19,711	1.4%
CRUDE OIL OUTRIGHTS	164,071	156,338	4.9%	174,622	-6.0%
CRUDE OIL PHY	2,063,919	2,299,818	-10.3%	2,058,212	0.3%
CRUDE OIL SPRDS	131,323	168,759	-22.2%	138,196	-5.0%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	119,193	157,381	-24.3%	108,443	9.9%
DATED BRENT (PLATTS) DAILY S	0	0	-	0	-
DATED TO FRONTLINE BRENT	945	4,125	-77.1%	995	-5.0%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-
DIESEL 10PPM BARGES FOB B	0	0	-	0	-
DOMINION TRAN INC - APP I	0	1,224	-100.0%	0	-
DOMINION TRANSMISSION INC	5,582	17,355	-67.8%	6,202	-10.0%
DUBAI CRUDE OIL BALMO	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	1,965	3,205	-38.7%	2,090	-6.0%
DUTCH TTF NATURAL GAS CAL	3,312	118	2,706.8%	3,819	-13.3%
DY EURO 3.5% FUEL OI RDA	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	0	105	-100.0%	0	-
EAST/WEST FUEL OIL SPREAD	33	107	-69.2%	47	-29.8%
EIA FLAT TAX ONHWAY DIESE	1,687	1,706	-1.1%	1,798	-6.2%
ELEC ERCOT DLY OFF PK	0	0	-	0	-
ELEC ERCOT DLY PEAK	0	600	-100.0%	0	-
ELEC ERCOT OFF PEAK	0	0	-	0	-
ELEC FINSETTLED	726	1,236	-41.3%	770	-5.7%
ELEC MISO PEAK	0	1,590	-100.0%	0	-
ELEC NYISO OFF-PEAK	0	29,655	-100.0%	0	-
ELECTRICITY ERCOT PEAK	0	0	-	0	-
ELECTRICITY OFF PEAK	52,838	22,658	133.2%	61,462	-14.0%
ELEC WEST POWER OFF-PEAK	0	0	-	0	-
ELEC WEST POWER PEAK	0	0	-	0	-
ERCOT DAILY 5MW PEAK	0	0	-	0	-
ERCOT HOUSTON Z MCPE 5MW	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OF	0	6,720	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OF	0	29,120	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW PE	0	950	-100.0%	0	-
ETHANOL	556	1,998	-72.2%	713	-22.0%
ETHANOL SWAP	240	110	118.2%	220	9.1%
ETHANOL T2 FOB ROTT INCL DU	5,270	4,507	16.9%	4,447	18.5%
EURO 1% FUEL OIL NEW BALM	0	2	-100.0%	0	-
EURO 3.5% FUEL OIL RDAM B	11	447	-97.5%	77	-85.7%
EURO 3.5% FUEL OIL SPREAD	22	190	-88.4%	42	-47.6%
EURO-DENOMINATED PETRO P	0	640	-100.0%	0	-
EURO GASOIL 10PPM VS ICE	0	231	-100.0%	0	-
EUROPE 1% FUEL OIL NWE CA	310	167	85.6%	300	3.3%
EUROPE 1% FUEL OIL RDAM C	3	3	0.0%	3	0.0%
EUROPE 3.5% FUEL OIL MED	52	157	-66.9%	55	-5.5%
EUROPE 3.5% FUEL OIL RDAM	4,975	12,101	-58.9%	5,186	-4.1%
EUROPEAN GASOIL (ICE)	68	221	-69.2%	54	25.9%

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Energy Futures					
EUROPEAN NAPHTHA BALMO	8	249	-96.8%	181	-95.6%
EUROPEAN NAPHTHA CRACK SP	9,498	15,628	-39.2%	11,038	-14.0%
EUROPE DATED BRENT SWAP	525	0	-	525	0.0%
EUROPE JET KERO NWE CALSW	16	39	-59.0%	20	-20.0%
EUROPE NAPHTHA CALSWAP	2,036	3,494	-41.7%	2,406	-15.4%
EURO PROPANE CIF ARA SWA	2,547	1,668	52.7%	2,288	11.3%
FLORIDA GAS ZONE3 BASIS S	0	0	-	0	-
FREIGHT MARKETS	3,676	2,322	58.3%	3,955	-7.1%
FUEL OIL CRACK VS ICE	9,093	12,419	-26.8%	8,577	6.0%
FUEL OIL NWE CRACK VS ICE	156	171	-8.8%	156	0.0%
FUEL OIL (PLATS) CAR CM	5	70	-92.9%	6	-16.7%
FUEL OIL (PLATS) CAR CN	0	95	-100.0%	0	-
FUELOIL SWAP:CARGOES VS.B	675	803	-15.9%	776	-13.0%
GAS EURO-BOB OXY NWE BARG	4,720	6,663	-29.2%	5,317	-11.2%
GAS EURO-BOB OXY NWE BARG	24,131	32,762	-26.3%	24,916	-3.2%
GASOIL 0.1 CIF MED SWAP	0	0	-	0	-
GASOIL 0.1CIF MED VS ICE	0	0	-	0	-
GASOIL 0.1 CIF NWE VS ISE	0	0	-	0	-
GASOIL 0.1 CIF VS ICE GAS	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	6	85	-92.9%	6	0.0%
GASOIL 0.1 ROTTERDAM BARG	14	120	-88.3%	46	-69.6%
GASOIL 10P CRG CIF NW VS	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	17	238	-92.9%	24	-29.2%
GASOIL BULLET SWAP	0	0	-	0	-
GASOIL CALENDAR SWAP	65	22	195.5%	54	20.4%
GASOIL CRACK SPREAD CALEN	11,854	19,837	-40.2%	12,231	-3.1%
GASOIL MINI CALENDAR SWAP	1,020	843	21.0%	823	23.9%
GERMAN POWER BASELOAD CA	1,410	56	2,417.9%	1,161	21.4%
GROUP THREE ULSD (PLATTS)	20	124	-83.9%	27	-25.9%
GROUP THREE UNLEAD GAS (P	300	325	-7.7%	0	-
GRP THREE ULSD(PLT)VS HEA	9,519	8,796	8.2%	9,682	-1.7%
GRP THREE UNL GS (PLT) VS	2,687	4,337	-38.0%	2,859	-6.0%
GULF COAST 3% FUEL OIL BA	623	1,271	-51.0%	791	-21.2%
GULF COAST JET FUEL CLNDR	328	1,006	-67.4%	459	-28.5%
GULF COAST JET VS NYM 2 H	30,980	33,113	-6.4%	29,216	6.0%
GULF COAST NO.6 FUEL OIL	20,050	51,786	-61.3%	20,421	-1.8%
GULF COAST ULSD CALENDAR	1,561	1,475	5.8%	1,602	-2.6%
GULF COAST ULSD CRACK SPR	365	795	-54.1%	390	-6.4%
HEATING OIL BALMO CLNDR S	0	0	-	40	-100.0%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
HEATING OIL PHY	410,542	409,633	0.2%	425,248	-3.5%
HENRY HUB BASIS SWAP	2,867	1,038	176.2%	4,262	-32.7%
HENRY HUB FINANCIAL LAST	0	9	-100.0%	0	-
HENRY HUB INDEX SWAP FUTU	4,262	798	434.1%	6,370	-33.1%
HENRY HUB SWAP	876,358	1,108,063	-20.9%	909,863	-3.7%
HOUSTON SHIP CHANNEL BASI	7,929	13,337	-40.5%	8,456	-6.2%
HTG OIL	159	201	-20.9%	172	-7.6%
HUSTN SHIP CHNL PIPE SWP	0	0	-	0	-
ICE BRENT DUBAI SWAP	42,275	44,188	-4.3%	42,525	-0.6%
ICE GASOIL BALMO SWAP	0	0	-	0	-
IN DELIVERY MONTH EUA	0	3,698	-100.0%	0	-

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CME Group Exchange Open Interest Report - Monthly

	Open Interest AUG 2019	Open Interest AUG 2018	% CHG	Open Interest JUL 2019	% CHG
Energy Futures					
INDIANA MISO	3,697	26,798	-86.2%	3,575	3.4%
INDONESIAN COAL	0	0	-	0	-
INDONESIAN COAL ICI4	878	220	299.1%	764	14.9%
ISO NEW ENGLAND OFF-PEAK	0	0	-	0	-
ISO NEW ENGLAND PK LMP	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	81	229	-64.6%	121	-33.1%
JAPAN C&F NAPHTHA SWAP	1,347	2,570	-47.6%	1,477	-8.8%
JAPAN NAPHTHA BALMO SWAP	39	97	-59.8%	10	290.0%
JET AV FUEL (P) CAR FM ICE GA	0	10	-100.0%	0	-
JET CIF NWE VS ICE	206	494	-58.3%	201	2.5%
JET FUEL BRG FOB RDM VS I	0	0	-	0	-
JET FUEL CRG CIF NEW VS I	0	0	-	0	-
JET FUEL UP-DOWN BALMO CL	2,575	4,625	-44.3%	4,165	-38.2%
JKM LNG Futures	6,677	3,208	108.1%	6,002	11.2%
LA CARB DIESEL (OPIS)	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	74	930	-92.0%	51	45.1%
LA CARBOB GASOLINE(OPIS)S	375	225	66.7%	525	-28.6%
LA JET FUEL VS NYM NO 2 H	0	0	-	0	-
LA JET (OPIS) SWAP	1,704	2,133	-20.1%	1,385	23.0%
LLS (ARGUS) CALENDAR SWAP	360	607	-40.7%	379	-5.0%
LLS (ARGUS) VS WTI SWAP	15,598	33,396	-53.3%	17,559	-11.2%
LOS ANGELES CARB GASOLINE	0	0	-	10	-100.0%
LTD NAT GAS	321,070	452,786	-29.1%	334,298	-4.0%
MARS (ARGUS) VS WTI SWAP	4,415	7,265	-39.2%	4,990	-11.5%
MARS (ARGUS) VS WTI TRD M	20,597	15,353	34.2%	22,369	-7.9%
MARS BLEND CRUDE OIL	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	23,378	36,588	-36.1%	20,839	12.2%
MCCLOSKEY RCH BAY COAL	3,228	4,951	-34.8%	3,031	6.5%
MGF FUT	0	40	-100.0%	0	-
MGN1 SWAP FUT	440	385	14.3%	390	12.8%
MICHIGAN BASIS	1,525	3,136	-51.4%	1,556	-2.0%
MICHIGAN MISO	0	14,574	-100.0%	0	-
MINI GAS EUROBOB OXY NWE A	532	265	100.8%	114	366.7%
MINI RBOB V. EBOBARG NWE BF	0	375	-100.0%	0	-
MINI RBOB V. EBOB(ARGUS) NW	3,082	3,498	-11.9%	4,135	-25.5%
MINY HTG OIL	1	1	0.0%	0	-
MINY NATURAL GAS	3,967	1,301	204.9%	5,354	-25.9%
MINY RBOB GAS	1	0	0.0%	0	0.0%
MINY WTI CRUDE OIL	3,958	3,805	4.0%	3,696	7.1%
MJC FUT	125	325	-61.5%	210	-40.5%
MNC FUT	5,032	5,892	-14.6%	5,911	-14.9%
MONT BELVIEU ETHANE 5 DECI	40,488	45,025	-10.1%	39,704	2.0%
MONT BELVIEU ETHANE OPIS B	60	130	-53.8%	155	-61.3%
MONT BELVIEU LDH PROPANE 5	147,723	124,077	19.1%	138,200	6.9%
MONT BELVIEU LDH PROPANE C	2,405	987	143.7%	1,568	53.4%
MONT BELVIEU NATURAL GASO	15,301	18,538	-17.5%	16,455	-7.0%
MONT BELVIEU NATURAL GASO	405	372	8.9%	815	-50.3%
MONT BELVIEU NORMAL BUTAN	58,158	51,434	13.1%	55,277	5.2%
MONT BELVIEU NORMAL BUTAN	1,353	940	43.9%	1,010	34.0%
NAT GAS BASIS SWAP	854	3,531	-75.8%	1,071	-20.3%
NATURAL GAS	82,965	76,118	9.0%	79,778	4.0%

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
NATURAL GAS FIXED PRICE SW	0	0	-	0	-
NATURAL GAS INDEX	0	0	-	0	-
NATURAL GAS PEN SWP	131,815	163,685	-19.5%	134,703	-2.1%
NATURAL GAS PHY	1,315,574	1,617,963	-18.7%	1,338,108	-1.7%
NEPOOL CNCTCT 5MW D AH O	0	0	-	0	-
NEPOOL CONECTIC 5MW D AH	0	0	-	0	-
NEPOOL INTR HUB 5MW D AH	373,224	474,345	-21.3%	359,584	3.8%
NEPOOL NE MASS 5MW D AH O	5,931	14,040	-57.8%	7,107	-16.5%
NEPOOL NE MASS 5MW D AH P	318	765	-58.4%	384	-17.2%
NEPOOL RHD ISLD 5MW D AH	0	0	-	0	-
NEPOOL RHODE IL 5MW D AH	0	0	-	0	-
NEPOOL W CNT MASS 5MW D A	0	0	-	0	-
NEPOOL W CNTR M 5MW D AH	0	0	-	0	-
NEW ENGLAND HUB PEAK DAIL	1,054	1,770	-40.5%	1,056	-0.2%
NEW YORK ETHANOL SWAP	1,172	1,835	-36.1%	1,592	-26.4%
NEW YORK HUB ZONE G PEAK	1,058	2,325	-54.5%	1,254	-15.6%
NEW YORK HUB ZONE J PEAK	1,250	1,010	23.8%	1,705	-26.7%
NGPL MID-CONTINENT	7,396	16,000	-53.8%	8,264	-10.5%
NGPL TEX/OK	9,492	17,967	-47.2%	11,597	-18.2%
N ILLINOIS HUB DAILY	98	178	-44.9%	98	0.0%
N ILLINOIS HUB MTHLY	0	0	-	0	-
NO 2 UP-DOWN SPREAD CALEN	0	450	-100.0%	0	-
NORTHERN NATURAL GAS DEMA	122	704	-82.7%	184	-33.7%
NORTHERN NATURAL GAS VENTL	366	1,408	-74.0%	552	-33.7%
NORTHERN ILLINOIS OFF-PEA	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	5,977	23,833	-74.9%	7,341	-18.6%
N ROCKIES PIPE SWAP	0	59	-100.0%	0	-
NY1% VS GC SPREAD SWAP	2,322	3,636	-36.1%	2,108	10.2%
NY 2.2% FUEL OIL (PLATTS	0	0	-	0	-
NY 3.0% FUEL OIL (PLATTS	0	600	-100.0%	0	-
NY HARBOR 1% FUEL OIL BAL	0	50	-100.0%	25	-100.0%
NY HARBOR HEAT OIL SWP	8,716	11,380	-23.4%	8,289	5.2%
NY HARBOR LOW SULPUR GAS	840	410	104.9%	840	0.0%
NY HARBOR RESIDUAL FUEL 1	1,303	2,107	-38.2%	1,124	15.9%
NY HARBOR RESIDUAL FUEL C	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	2,270	4,431	-48.8%	2,310	-1.7%
NYISO A	0	0	-	0	-
NYISO A OFF-PEAK	0	0	-	0	-
NYISO CAPACITY	752	1,830	-58.9%	862	-12.8%
NYISO G	0	0	-	0	-
NYISO G OFF-PEAK	0	0	-	0	-
NYISO J	0	0	-	0	-
NYISO J OFF-PEAK	0	0	-	0	-
NYISO ZONE A 5MW D AH O P	11,714	25,950	-54.9%	12,514	-6.4%
NYISO ZONE A 5MW D AH PK	768	4,212	-81.8%	1,008	-23.8%
NYISO ZONE C 5MW D AH O P	0	0	-	0	-
NYISO ZONE C 5MW D AH PK	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	443,754	630,430	-29.6%	409,914	8.3%
NYISO ZONE G 5MW D AH PK	22,230	26,892	-17.3%	22,870	-2.8%
NYISO ZONE J 5MW D AH O P	49,566	184,041	-73.1%	61,566	-19.5%
NYISO ZONE J 5MW D AH PK	4,296	13,331	-67.8%	4,996	-14.0%

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
NYMEX ALUMINUM FUTURES	372	540	-31.1%	396	-6.1%
NYMEX ULSD VS NYMEX HO	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING	465	279	66.7%	634	-26.7%
ONEOK OKLAHOMA NG BASIS	0	1,708	-100.0%	0	-
ONTARIO POWER SWAPS	0	0	-	0	-
PANHANDLE BASIS SWAP FUTU	2,287	7,665	-70.2%	2,659	-14.0%
PANHANDLE PIPE SWAP	0	788	-100.0%	0	-
PERMIAN BASIS SWAP	3,660	6,154	-40.5%	3,784	-3.3%
PETROCHEMICALS	11,181	12,843	-12.9%	10,818	3.4%
PETRO CRCKS & SPRDS ASIA	919	761	20.8%	972	-5.5%
PETRO CRCKS & SPRDS NA	72,197	79,432	-9.1%	71,608	0.8%
PETRO CRK&SPRD EURO	10,627	18,713	-43.2%	10,676	-0.5%
PETROLEUM PRODUCTS	3,199	5,573	-42.6%	3,560	-10.1%
PETROLEUM PRODUCTS ASIA	2,319	2,045	13.4%	2,614	-11.3%
PETRO OUTRIGHT EURO	9,539	11,578	-17.6%	9,112	4.7%
PETRO OUTRIGHT NA	7,247	8,348	-13.2%	9,350	-22.5%
PJM AD HUB 5MW REAL TIME	190,315	268,783	-29.2%	199,357	-4.5%
PJM AECO DA OFF-PEAK	0	0	-	0	-
PJM AECO DA PEAK	0	0	-	0	-
PJM APS ZONE DA OFF-PEAK	0	0	-	0	-
PJM APS ZONE DA PEAK	0	0	-	0	-
PJM ATSI ELEC	0	0	-	0	-
PJM BGE DA OFF-PEAK	0	3,954	-100.0%	0	-
PJM BGE DA PEAK	0	212	-100.0%	0	-
PJM COMED 5MW D AH O PK	0	9,885	-100.0%	0	-
PJM COMED 5MW D AH PK	0	530	-100.0%	0	-
PJM DAILY	918	710	29.3%	918	0.0%
PJM DAYTON DA OFF-PEAK	52,645	79,600	-33.9%	54,645	-3.7%
PJM DAYTON DA PEAK	3,210	6,720	-52.2%	3,410	-5.9%
PJM JCPL DA OFF-PEAK	0	0	-	0	-
PJM JCPL DA PEAK	0	0	-	0	-
PJM MONTHLY	200	990	-79.8%	240	-16.7%
PJM NI HUB 5MW REAL TIME	107,116	320,771	-66.6%	66,442	61.2%
PJM NILL DA OFF-PEAK	40,290	214,006	-81.2%	53,890	-25.2%
PJM NILL DA PEAK	2,496	13,465	-81.5%	3,276	-23.8%
PJM OFF-PEAK LMP SWAP FUT	0	202	-100.0%	0	-
PJM PECO ZONE5MW PEAK CAL	2,120	0	-	2,560	-17.2%
PJM PPL DA OFF-PEAK	0	0	-	0	-
PJM PPL DA PEAK	0	0	-	0	-
PJM PSEG DA OFF-PEAK	49,425	42,840	15.4%	59,225	-16.5%
PJM PSEG DA PEAK	2,650	1,275	107.8%	3,200	-17.2%
PJM WESTH DA OFF-PEAK	86,284	253,819	-66.0%	99,084	-12.9%
PJM WESTHDA PEAK	4,682	13,802	-66.1%	5,322	-12.0%
PJM WESTH RT OFF-PEAK	552,799	1,257,998	-56.1%	603,367	-8.4%
PJM WESTH RT PEAK	77,138	79,268	-2.7%	87,236	-11.6%
PLASTICS	3,147	814	286.6%	3,411	-7.7%
PREMIUM UNLD 10P FOB MED	168	422	-60.2%	238	-29.4%
PREMIUM UNLEAD 10PPM FOB	32	31	3.2%	10	220.0%
PREM UNL GAS 10PPM RDAM F	0	0	-	0	-
PREM UNL GAS 10PPM RDAM F	0	128	-100.0%	0	-
PROPANE NON-LDH MB (OPIS) B	985	707	39.3%	1,078	-8.6%

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
PROPANE NON-LDH MT. BEL (OF	56,166	55,322	1.5%	62,405	-10.0%
RBOB CALENDAR SWAP	13,643	17,158	-20.5%	14,972	-8.9%
RBOB CRACK SPREAD	3,200	5,806	-44.9%	4,173	-23.3%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-
RBOB GAS	96	105	-8.6%	104	-7.7%
RBOB GASOLINE BALMO CLNDR	765	833	-8.2%	821	-6.8%
RBOB PHY	383,571	444,730	-13.8%	401,138	-4.4%
RBOB SPREAD (PLATTS) SWAP	0	0	-	0	-
RBOB VS HEATING OIL SWAP	50	675	-92.6%	75	-33.3%
SAN JUAN BASIS SWAP	2,197	11,882	-81.5%	2,910	-24.5%
SAN JUAN PIPE SWAP	0	360	-100.0%	0	-
SINGAPORE 180CST BALMO	20	48	-58.3%	15	33.3%
SINGAPORE 380CST BALMO	293	277	5.8%	343	-14.6%
SINGAPORE 380CST FUEL OIL	4,860	12,267	-60.4%	4,864	-0.1%
SINGAPORE FUEL 180CST CAL	431	1,046	-58.8%	416	3.6%
SINGAPORE FUEL OIL SPREAD	158	1,017	-84.5%	205	-22.9%
SINGAPORE GASOIL	11,121	8,668	28.3%	9,769	13.8%
SINGAPORE GASOIL CALENDAR	395	50	690.0%	676	-41.6%
SINGAPORE GASOIL SWAP	810	9,985	-91.9%	1,102	-26.5%
SINGAPORE GASOIL VS ICE	9,295	43,416	-78.6%	10,405	-10.7%
SINGAPORE JET KERO BALMO	0	0	-	0	-
SINGAPORE JET KERO GASOIL	2,800	11,460	-75.6%	3,525	-20.6%
SINGAPORE JET KEROSENE SW	1,165	3,350	-65.2%	1,510	-22.8%
SINGAPORE JET KERO VS. GAS	0	375	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEAD	0	1,793	-100.0%	50	-100.0%
SINGAPORE MOGAS 92 UNLEAD	8,950	13,903	-35.6%	12,371	-27.7%
SINGAPORE NAPHTHA SWAP	0	0	-	0	-
SING FUEL	0	0	-	0	-
SOCAL PIPE SWAP	0	0	-	0	-
SONAT BASIS SWAP FUTURE	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	0	40	-100.0%	0	-
Sumas Basis Swap	1,065	3,581	-70.3%	1,189	-10.4%
SUMAS NAT GAS PLATTS FIXED	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	587	160	266.9%	630	-6.8%
TC5 RAS TANURA TO YOKOHAM	1,034	0	-	1,184	-12.7%
TCO BASIS SWAP	2,196	5,723	-61.6%	2,568	-14.5%
TCO NG INDEX SWAP	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	13,233	4,700	181.6%	13,213	0.2%
TENNESSEE 500 LEG BASIS S	0	0	-	0	-
TENNESSEE 800 LEG NG BASI	0	0	-	0	-
TENNESSEE ZONE 0 BASIS SW	0	0	-	0	-
TETCO M-3 INDEX	0	0	-	0	-
Tetco STX Basis	0	244	-100.0%	0	-
TEXAS EASTERN ZONE M-3 BA	1,158	3,523	-67.1%	1,220	-5.1%
TEXAS GAS ZONE1 NG BASIS	0	1,920	-100.0%	0	-
Transco Zone 3 Basis	0	1,098	-100.0%	0	-
TRANSCO ZONE 3 NG INDEX S	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	2,072	4,636	-55.3%	2,207	-6.1%
TRANSCO ZONE 4 NAT GAS IN	0	0	-	0	-
TRANSCO ZONE 6 BASIS SWAP	0	851	-100.0%	0	-
TRANSCO ZONE 6 INDEX	0	0	-	0	-

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Energy Futures					
UCM FUT	0	10	-100.0%	0	-
UK NBP NAT GAS CAL MTH FUT	90	157	-42.7%	60	50.0%
ULSD 10PPM CIF MED SWAP	0	0	-	0	-
ULSD 10PPM CIF MED VS ICE	0	0	-	0	-
ULSD 10PPM CIF NW BALMO S	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	2,555	4,762	-46.3%	4,770	-46.4%
UP DOWN GC ULSD VS NMX HO	59,685	39,391	51.5%	46,978	27.0%
WAHA BASIS	1,007	3,629	-72.3%	1,205	-16.4%
WAHA INDEX SWAP FUTURE	0	0	-	0	-
WESTERN RAIL DELIVERY PRB	0	60	-100.0%	0	-
WTI-BRENT BULLET SWAP	1,559	6,704	-76.7%	2,119	-26.4%
WTI-BRENT CALENDAR SWAP	160,572	120,942	32.8%	171,327	-6.3%
WTI CALENDAR	174,244	174,289	0.0%	181,363	-3.9%
WTS (ARGUS) VS WTI SWAP	65,038	62,768	3.6%	65,472	-0.7%
WTS (ARGUS) VS WTI TRD MT	5,341	5,883	-9.2%	4,845	10.2%
Energy Options					
12 MO GASOIL CAL SWAP SPR	0	0	-	0	-
BRENT 1 MONTH CAL	0	0	-	0	-
BRENT CALENDAR SWAP	8,960	7,070	26.7%	8,401	6.7%
BRENT CRUDE OIL 12 M CSO	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	13,260	88,504	-85.0%	18,390	-27.9%
BRENT CRUDE OIL 6 M CSO	0	0	-	0	-
BRENT OIL LAST DAY	234,807	306,938	-23.5%	221,555	6.0%
COAL API2 INDEX	430	4,215	-89.8%	480	-10.4%
COAL API4 INDEX	0	25	-100.0%	0	-
COAL SWAP	0	135	-100.0%	0	-
CRUDE OIL	150	0	-	150	0.0%
CRUDE OIL 1MO	629,300	363,780	73.0%	647,481	-2.8%
CRUDE OIL APO	358,187	398,287	-10.1%	367,013	-2.4%
CRUDE OIL CALNDR STRIP	200	170	17.6%	200	0.0%
CRUDE OIL OUTRIGHTS	0	2,010	-100.0%	0	-
CRUDE OIL PHY	2,175,413	2,876,783	-24.4%	2,418,023	-10.0%
ELEC MISO PEAK	0	0	-	0	-
ETHANOL	0	0	0.0%	0	-
ETHANOL SWAP	22,073	11,868	86.0%	17,820	23.9%
EUROPEAN JET KEROSENE NW	0	0	-	0	-
GASOLINE	0	0	-	0	-
HEATING OIL CRACK OPTIONS	0	0	-	0	-
HEATING OIL CRK SPD AVG PRI	0	0	-	0	-
HEATING OIL PHY	42,068	31,012	35.7%	53,494	-21.4%
HENRY HUB FINANCIAL LAST	10,890	5,311	105.0%	9,798	11.1%
HO 1 MONTH CLNDR OPTIONS	0	0	-	500	-100.0%
LLS CRUDE OIL	0	1,200	-100.0%	0	-
MCCLOSKEY ARA ARGS COAL	0	225	-100.0%	0	-
MCCLOSKEY RCH BAY COAL	500	430	16.3%	450	11.1%
NATURAL GAS	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	111,850	36,966	202.6%	68,850	62.5%
NATURAL GAS 2 M CSO FIN	1,075	0	-	825	30.3%

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CME Group Exchange Open Interest Report - Monthly

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Energy Options					
NATURAL GAS 3 M CSO FIN	56,400	43,220	30.5%	36,550	54.3%
NATURAL GAS 5 M CSO FIN	1,600	0	-	1,100	45.5%
NATURAL GAS 6 M CSO FIN	13,750	6,700	105.2%	12,250	12.2%
NATURAL GAS OPTION ON CALE	17,064	13,086	30.4%	16,164	5.6%
NATURAL GAS PHY	1,759,438	1,908,269	-7.8%	1,769,481	-0.6%
NATURAL GAS WINTER STRIP	1,500	1,200	25.0%	1,300	15.4%
N ROCKIES PIPE SWAP	3,930	2,750	42.9%	3,384	16.1%
NY HARBOR HEAT OIL SWP	13,246	14,930	-11.3%	13,445	-1.5%
NYISO ZONE G 5MW PEAK OPTI	0	0	-	0	-
NYMEX EUROPEAN GASOIL APO	0	0	-	0	-
PANHANDLE PIPE SWAP	0	1,920	-100.0%	0	-
PETROCHEMICALS	4,690	6,886	-31.9%	5,494	-14.6%
PETRO OUTRIGHT EURO	24	0	-	24	0.0%
PETRO OUTRIGHT NA	650	30	2,066.7%	756	-14.0%
PJM WES HUB PEAK CAL MTH	1,260	1,790	-29.6%	1,260	0.0%
PJM WES HUB PEAK LMP 50MW	555	6,512	-91.5%	555	0.0%
RBOB 1MO CAL SPD OPTIONS	0	0	-	0	-
RBOB CALENDAR SWAP	140	525	-73.3%	172	-18.6%
RBOB CRACK	0	0	-	0	-
RBOB PHY	12,103	9,025	34.1%	17,263	-29.9%
ROTTERDAM 3.5%FUEL OIL CL	0	0	-	0	-
SAN JUAN PIPE SWAP	2,970	2,260	31.4%	1,878	58.1%
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	100	650	-84.6%	0	0.0%
SINGAPORE GASOIL CALENDAR	0	0	-	0	-
SINGAPORE JET FUEL CALEND	0	0	-	0	-
SOCAL PIPE SWAP	0	0	-	0	-
WTI-BRENT BULLET SWAP	165,475	194,906	-15.1%	115,935	42.7%
WTI CRUDE OIL 1 M CSO FI	142,730	127,275	12.1%	148,335	-3.8%

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CME Group Exchange Open Interest Report - Monthly

	Open Interest AUG 2019	Open Interest AUG 2018	% CHG	Open Interest JUL 2019	% CHG
FX Futures					
AD/CD CROSS RATES	4	2	100.0%	3	33.3%
AD/JY CROSS RATES	495	710	-30.3%	426	16.2%
AD/NE CROSS RATES	130	60	116.7%	165	-21.2%
AUSTRALIAN DOLLAR	167,866	148,036	13.4%	171,261	-2.0%
BDI	0	0	-	0	-
BP/JY CROSS RATES	1,601	664	141.1%	1,495	7.1%
BP/SF CROSS RATES	79	174	-54.6%	101	-21.8%
BRAZIL REAL	74,683	51,466	45.1%	31,284	138.7%
BRITISH POUND	266,890	256,879	3.9%	289,893	-7.9%
CANADIAN DOLLAR	163,507	144,141	13.4%	181,082	-9.7%
CD/JY CROSS RATES	2	23	-91.3%	1	100.0%
CHINESE RENMINBI (CNH)	1,917	2,420	-20.8%	2,176	-11.9%
CZECK KORUNA (EC)	6	2	200.0%	6	0.0%
CZECK KORUNA (US)	0	15	-100.0%	0	-
EC/AD CROSS RATES	2,453	1,619	51.5%	2,634	-6.9%
EC/CD CROSS RATES	1,791	1,695	5.7%	1,761	1.7%
EC/NOK CROSS RATES	532	331	60.7%	524	1.5%
EC/SEK CROSS RATES	624	901	-30.7%	615	1.5%
EFX/BP CROSS RATES	26,758	36,089	-25.9%	28,353	-5.6%
EFX/JY CROSS RATES	24,295	27,997	-13.2%	27,218	-10.7%
EFX/SF CROSS RATES	12,671	9,609	31.9%	15,990	-20.8%
E-MICRO AUD/USD	4,213	5,441	-22.6%	5,278	-20.2%
E-MICRO CAD/USD	2,345	2,831	-17.2%	2,595	-9.6%
E-MICRO CHF/USD	656	573	14.5%	405	62.0%
E-MICRO EUR/USD	12,220	9,236	32.3%	10,318	18.4%
E-MICRO GBP/USD	3,973	3,371	17.9%	3,690	7.7%
E-MICRO INR/USD	533	381	39.9%	576	-7.5%
E-MICRO JPY/USD	3,386	1,276	165.4%	1,982	70.8%
E-MINI EURO FX	17,767	13,312	33.5%	15,793	12.5%
E-MINI JAPANESE YEN	1,740	1,337	30.1%	930	87.1%
EURO FX	540,390	534,407	1.1%	567,235	-4.7%
HUNGARIAN FORINT (EC)	0	0	-	0	-
HUNGARIAN FORINT (US)	0	0	-	0	-
INDIAN RUPEE	1,579	1,275	23.8%	1,624	-2.8%
JAPANESE YEN	152,327	189,297	-19.5%	135,884	12.1%
KOREAN WON	1,051	365	187.9%	667	57.6%
MEXICAN PESO	189,959	219,156	-13.3%	226,681	-16.2%
NEW ZEALND DOLLAR	69,606	53,970	29.0%	54,302	28.2%
NKR/USD CROSS RATE	2,089	2,460	-15.1%	2,484	-15.9%
POLISH ZLOTY (EC)	5	21	-76.2%	6	-16.7%
POLISH ZLOTY (US)	117	34	244.1%	118	-0.8%
RMB USD	1	5	-80.0%	1	0.0%
RUSSIAN RUBLE	64,314	25,597	151.3%	79,265	-18.9%
S.AFRICAN RAND	14,873	8,795	69.1%	27,650	-46.2%
SF/JY CROSS RATES	0	0	-	0	-
SHEKEL	0	0	-	0	-
SKR/USD CROSS RATES	1,525	1,878	-18.8%	1,501	1.6%
SWISS FRANC	58,193	81,201	-28.3%	59,823	-2.7%
TURKISH LIRA	1,724	1,220	41.3%	1,718	0.3%
USDZAR	0	0	-	0	-

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CME Group Exchange Open Interest Report - Monthly

	Open Interest AUG 2019	Open Interest AUG 2018	% CHG	Open Interest JUL 2019	% CHG
FX Options					
AUD/USD MONTHLY OPTIONS	56,950	59,706	-4.6%	44,668	27.5%
AUD/USD WKLY FRIDAY OPTION	0	0	-	4,398	-100.0%
AUD/USD WKLY FRIDAY OPTION	4,370	4,306	1.5%	0	-
AUD/USD WKLY FRIDAY OPTION	568	1,738	-67.3%	1,188	-52.2%
AUD/USD WKLY FRIDAY OPTION	461	922	-50.0%	285	61.8%
AUD/USD WKLY FRIDAY OPTION	0	0	0.0%	297	-100.0%
AUD/USD WKLY WED OPTIONS -	1,041	2,004	-48.1%	520	100.2%
AUD/USD WKLY WED OPTIONS -	22	717	-96.9%	157	-86.0%
AUD/USD WKLY WED OPTIONS -	39	0	-	2	1,850.0%
AUD/USD WKLY WED OPTIONS -	3	0	-	0	-
AUD/USD WKLY WED OPTIONS -	0	0	-	0	0.0%
AUSTRALIAN DLR (EU)	0	0	-	0	-
AUSTRALIAN DOLLAR	0	0	-	0	-
BRITISH POUND	0	0	-	0	-
BRITISH POUND (EU)	0	121	-100.0%	0	-
BRL/USD MONTHLY OPTIONS	57	0	-	5	1,040.0%
CAD/USD MONTHLY OPTIONS	48,575	60,033	-19.1%	40,821	19.0%
CAD/USD WKLY FRIDAY OPTION	0	0	-	5,396	-100.0%
CAD/USD WKLY FRIDAY OPTION	4,125	2,866	43.9%	0	-
CAD/USD WKLY FRIDAY OPTION	1,993	2,962	-32.7%	2,185	-8.8%
CAD/USD WKLY FRIDAY OPTION	1,070	2,064	-48.2%	1,544	-30.7%
CAD/USD WKLY FRIDAY OPTION	0	0	0.0%	251	-100.0%
CAD/USD WKLY WED OPTIONS -	1,874	2,008	-6.7%	868	115.9%
CAD/USD WKLY WED OPTIONS -	156	447	-65.1%	386	-59.6%
CAD/USD WKLY WED OPTIONS -	207	1,747	-88.2%	730	-71.6%
CAD/USD WKLY WED OPTIONS -	21	0	-	0	-
CAD/USD WKLY WED OPTIONS -	0	0	-	0	0.0%
CANADIAN DOLLAR	0	0	-	0	-
CANADIAN DOLLAR (EU)	0	0	-	0	-
CHF/USD MONTHLY OPTIONS	4,978	7,129	-30.2%	4,623	7.7%
CHF/USD WKLY FRIDAY OPTION	0	0	-	8	-100.0%
CHF/USD WKLY FRIDAY OPTION	254	0	-	0	-
CHF/USD WKLY FRIDAY OPTION	1	0	-	51	-98.0%
CHF/USD WKLY FRIDAY OPTION	53	1	5,200.0%	0	-
CHF/USD WKLY FRIDAY OPTION	0	0	0.0%	2	-100.0%
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-
EUR/JPY MONTHLY OPTIONS	0	0	-	0	-
EURO FX	0	0	-	0	-
EURO FX (EU)	0	29	-100.0%	0	-
EUR/USD MONTHLY OPTIONS	264,912	308,358	-14.1%	247,707	6.9%
EUR/USD WKLY FRIDAY OPTION	0	0	-	14,600	-100.0%
EUR/USD WKLY FRIDAY OPTION	12,591	9,329	35.0%	0	-
EUR/USD WKLY FRIDAY OPTION	4,776	6,287	-24.0%	3,787	26.1%
EUR/USD WKLY FRIDAY OPTION	2,481	4,890	-49.3%	3,146	-21.1%
EUR/USD WKLY FRIDAY OPTION	0	0	0.0%	161	-100.0%
EUR/USD WKLY WED OPTIONS -	8,187	9,798	-16.4%	4,569	79.2%
EUR/USD WKLY WED OPTIONS -	5,599	4,951	13.1%	1,527	266.7%
EUR/USD WKLY WED OPTIONS -	4,249	455	833.8%	380	1,018.2%
EUR/USD WKLY WED OPTIONS -	573	83	590.4%	0	-
EUR/USD WKLY WED OPTIONS -	0	0	-	0	0.0%
GBP/USD MONTHLY OPTIONS	105,927	162,611	-34.9%	107,606	-1.6%

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CME Group Exchange Open Interest Report - Monthly

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FX Options					
GBP/USD WKLY FRIDAY OPTION	0	0	-	3,193	-100.0%
GBP/USD WKLY FRIDAY OPTION	6,112	3,701	65.1%	0	-
GBP/USD WKLY FRIDAY OPTION	1,289	1,336	-3.5%	2,588	-50.2%
GBP/USD WKLY FRIDAY OPTION	997	456	118.6%	1,526	-34.7%
GBP/USD WKLY FRIDAY OPTION	0	0	0.0%	1,296	-100.0%
GBP/USD WKLY WED OPTIONS -	833	4,988	-83.3%	1,736	-52.0%
GBP/USD WKLY WED OPTIONS -	867	2,896	-70.1%	1,078	-19.6%
GBP/USD WKLY WED OPTIONS -	206	102	102.0%	232	-11.2%
GBP/USD WKLY WED OPTIONS -	0	19	-100.0%	0	-
GBP/USD WKLY WED OPTIONS -	0	0	-	0	0.0%
JAPANESE YEN	0	0	-	0	-
JAPANESE YEN (EU)	0	0	-	0	-
JPY/USD MONTHLY OPTIONS	117,875	123,343	-4.4%	96,260	22.5%
JPY/USD WKLY FRIDAY OPTION	0	0	-	8,385	-100.0%
JPY/USD WKLY FRIDAY OPTION	4,966	3,368	47.4%	0	-
JPY/USD WKLY FRIDAY OPTION	2,076	4,219	-50.8%	2,235	-7.1%
JPY/USD WKLY FRIDAY OPTION	1,144	1,509	-24.2%	1,626	-29.6%
JPY/USD WKLY FRIDAY OPTION	0	0	0.0%	1,142	-100.0%
JPY/USD WKLY WED OPTIONS -	3,849	1,518	153.6%	2,605	47.8%
JPY/USD WKLY WED OPTIONS -	1,038	568	82.7%	625	66.1%
JPY/USD WKLY WED OPTIONS -	1,058	506	109.1%	146	624.7%
JPY/USD WKLY WED OPTIONS -	530	52	919.2%	0	-
JPY/USD WKLY WED OPTIONS -	0	0	-	0	0.0%
MXN/USD MONTHLY OPTIONS	3,402	931	265.4%	1,811	87.9%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	75	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	572	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD MONTHLY OPTIONS	492	0	-	619	-20.5%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
SWISS FRANC	0	0	-	0	-
SWISS FRANC (EU)	0	0	-	0	-
Foreign Exchange Futures					
CHILEAN PESO	0	857	-100.0%	0	-
Foreign Exchange Options					
AUD/USD WKLY WED OPTIONS -	0	0	-	3	-100.0%
Ags Futures					
FERTILIZER PRODUCS	3,620	1,410	156.7%	1,665	117.4%

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Ag Products Futures					
BUTTER CS	8,940	5,690	57.1%	8,637	3.5%
CASH-SETTLED CHEESE	20,555	20,856	-1.4%	22,632	-9.2%
CATTLE	340,684	307,244	10.9%	320,665	6.2%
CAT WEATHER EUROPEAN	600	0	-	1,200	-50.0%
CDD SEASONAL STRIP	450	600	-25.0%	450	0.0%
CDD WEATHER	2,600	0	-	5,775	-55.0%
CHI WHEAT	349,232	446,886	-21.9%	387,590	-9.9%
CLASS IV MILK	7,710	1,602	381.3%	7,793	-1.1%
COCOA TAS	0	0	-	0	-
COFFEE	0	0	-	0	-
CORN	1,562,640	1,654,003	-5.5%	1,803,020	-13.3%
COTTON	3	2	50.0%	2	50.0%
DJ_UBS ROLL SELECT INDEX FU	1,807	2,951	-38.8%	1,807	0.0%
DOW-UBS COMMOD INDEX	25,850	31,226	-17.2%	26,072	-0.9%
DRY WHEY	2,583	3,369	-23.3%	2,833	-8.8%
FEEDER CATTLE	48,091	49,445	-2.7%	47,191	1.9%
FERTILIZER PRODUCTS	2,785	3,780	-26.3%	2,620	6.3%
GOLDMAN SACHS	13,143	15,272	-13.9%	13,170	-0.2%
GSCI EXCESS RETURN FUT	42,125	55,273	-23.8%	42,620	-1.2%
HDD EURO SEASONAL STRIP	0	0	-	0	-
HDD SEASONAL STRIP	0	0	-	0	-
HDD WEATHER	0	0	-	0	-
HDD WEATHER EUROPEAN	0	18,000	-100.0%	0	-
HOGS	268,656	226,701	18.5%	281,265	-4.5%
HOUSING INDEX	45	48	-6.2%	50	-10.0%
Intercommodity Spread	0	0	-	0	-
KC WHEAT	280,932	257,520	9.1%	290,273	-3.2%
LUMBER	2,252	4,380	-48.6%	2,764	-18.5%
MALAYSIAN PALM SWAP	27,756	20,388	36.1%	27,744	0.0%
MILK	20,849	20,797	0.3%	21,920	-4.9%
MINI CORN	10,068	9,125	10.3%	11,935	-15.6%
MINI SOYBEAN	10,021	20,312	-50.7%	9,005	11.3%
MINI WHEAT	999	2,278	-56.1%	1,318	-24.2%
MLK MID OPTIONS	0	0	-	7	-100.0%
NFD MILK	9,126	6,374	43.2%	9,422	-3.1%
OATS	4,494	4,221	6.5%	4,743	-5.2%
ROUGH RICE	7,894	7,234	9.1%	8,787	-10.2%
SOYBEAN	638,466	808,144	-21.0%	618,139	3.3%
SOYBEAN MEAL	440,424	513,408	-14.2%	434,179	1.4%
SOYBEAN OIL	477,494	525,102	-9.1%	433,589	10.1%
S&P GSCI ENHANCED ER SWAP	3,762	3,762	0.0%	3,762	0.0%
SUGAR 11	0	0	-	0	-
USD CRUDE PALM OIL	3,580	4,560	-21.5%	3,580	0.0%
WHEAT	22,626	26,012	-13.0%	26,754	-15.4%
Ag Products Options					
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-
BUTTER CS	9,884	11,357	-13.0%	8,965	10.3%
CASH-SETTLED CHEESE	29,490	28,942	1.9%	24,479	20.5%

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CME Group Exchange Open Interest Report - Monthly

	Open Interest AUG 2019	Open Interest AUG 2018	% CHG	Open Interest JUL 2019	% CHG
Ag Products Options					
CATTLE	181,624	153,132	18.6%	193,731	-6.2%
CAT WEATHER EUROPEAN	0	0	-	0	-
CDD SEASONAL STRIP	5,000	700	614.3%	5,000	0.0%
CDD WEATHER	0	0	-	0	-
CHI WHEAT	319,658	403,118	-20.7%	377,239	-15.3%
CLASS IV MILK	13,197	4,462	195.8%	12,029	9.7%
CORN	1,372,021	1,374,078	-0.1%	1,731,791	-20.8%
CORN NEARBY+2 CAL SPRD	12,110	8,470	43.0%	23,780	-49.1%
DEC-DEC CORN CAL SPRD	7,537	8,452	-10.8%	7,546	-0.1%
DEC-JULY CORN CAL SPRD	14,895	8,844	68.4%	14,460	3.0%
DEC-JULY WHEAT CAL SPRD	0	60	-100.0%	0	-
DRY WHEY	2,621	2,734	-4.1%	2,597	0.9%
FEEDER CATTLE	29,254	25,001	17.0%	42,210	-30.7%
HDD EURO SEASONAL STRIP	0	0	-	0	-
HDD SEASONAL STRIP	0	3,000	-100.0%	0	-
HDD WEATHER	0	0	-	0	-
HDD WEATHER EUROPEAN	0	0	-	0	-
HOGS	394,308	232,807	69.4%	425,289	-7.3%
HOUSING INDEX	7	2	250.0%	7	0.0%
Intercommodity Spread	0	1,380	-100.0%	0	-
JAN-MAY SOYBEAN CAL SPRD	0	0	-	0	-
JULY-DEC CORN CAL SPRD	3,026	600	404.3%	2,958	2.3%
JULY-DEC SOYMEAL CAL SPRD	0	1,200	-100.0%	0	-
JULY-DEC SOY OIL CAL SPRD	0	0	-	0	-
JULY-DEC WHEAT CAL SPRD	0	0	-	0	-
JULY-NOV SOYBEAN CAL SPRD	100	1,950	-94.9%	0	-
KC WHEAT	68,882	62,565	10.1%	68,631	0.4%
LUMBER	690	559	23.4%	1,897	-63.6%
LV CATL CSO	40	22	81.8%	40	0.0%
MAR-JULY CORN CAL SPRD	0	0	-	20	-100.0%
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-
MILK	71,268	74,086	-3.8%	61,466	15.9%
MLK MID OPTIONS	113	306	-63.1%	109	3.7%
NFD MILK	13,699	10,612	29.1%	11,528	18.8%
NOV-JULY SOYBEAN CAL SPRD	3,550	0	-	3,250	9.2%
NOV-MAR SOYBEAN CSO	20	120	-83.3%	20	0.0%
NOV-NOV SOYBEAN CAL SPRD	884	105	741.9%	884	0.0%
OATS	644	668	-3.6%	623	3.4%
ROUGH RICE	4,529	1,357	233.8%	2,616	73.1%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-
SOYBEAN	464,772	692,080	-32.8%	526,479	-11.7%
SOYBEAN CRUSH	4	40	-90.0%	4	0.0%
SOYBEAN MEAL	90,230	181,871	-50.4%	101,085	-10.7%
SOYBEAN OIL	71,928	80,219	-10.3%	65,993	9.0%
SOYBN NEARBY+2 CAL SPRD	0	0	-	5,500	-100.0%
SOYMEAL NEARBY+2 CAL SPRD	25	0	-	25	0.0%
WHEAT	12,620	300	4,106.7%	15,895	-20.6%
WHEAT-CORN IC SO	0	1,175	-100.0%	100	-100.0%
WHEAT NEARBY+2 CAL SPRD	200	702	-71.5%	650	-69.2%

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CME Group Exchange Open Interest Report - Monthly

	Open Interest AUG 2019	Open Interest AUG 2018	% CHG	Open Interest JUL 2019	% CHG
TOTAL FUTURES GROUP					
Interest Rate Futures	30,208,929	28,783,405	5.0%	31,398,947	-3.8%
Equity Index Futures	4,177,572	4,579,965	-8.8%	4,132,873	1.1%
Metals Futures	1,305,811	1,146,039	13.9%	1,292,115	1.1%
Energy Futures	9,981,562	13,444,349	-25.8%	10,186,011	-2.0%
FX Futures	1,890,890	1,840,272	2.8%	1,955,514	-3.3%
Foreign Exchange Futures	0	857	-100.0%	0	-
Ags Futures	3,620	1,410	156.7%	1,665	117.4%
Ag Products Futures	4,659,242	5,076,565	-8.2%	4,883,313	-4.6%
TOTAL FUTURES	52,227,626	54,872,862	-4.8%	53,850,438	-3.0%
TOTAL OPTIONS GROUP					
Interest Rate Options	70,603,839	50,152,078	40.8%	68,396,091	3.2%
Equity Index Options	4,914,997	5,009,933	-1.9%	4,043,530	21.6%
Metals Options	2,001,160	1,542,889	29.7%	1,863,048	7.4%
Energy Options	5,806,788	6,476,863	-10.3%	5,978,776	-2.9%
FX Options	683,494	805,074	-15.1%	618,971	10.4%
Foreign Exchange Options	0	0	-	3	-100.0%
Ag Products Options	3,198,830	3,377,076	-5.3%	3,738,896	-14.4%
TOTAL OPTIONS	87,209,108	67,363,913	29.5%	84,639,315	3.0%
TOTAL COMBINED					
Interest Rate	100,812,768	78,935,483	27.7%	99,795,038	1.0%
Equity Index	9,092,569	9,589,898	-5.2%	8,176,403	11.2%
Metals	3,306,971	2,688,928	23.0%	3,155,163	4.8%
Energy	15,788,350	19,921,212	-20.7%	16,164,787	-2.3%
FX	2,574,384	2,645,346	-2.7%	2,574,485	0.0%
Foreign Exchange	0	857	-100.0%	3	-100.0%
Ags	3,620	1,410	156.7%	1,665	117.4%
Ag Products	7,858,072	8,453,641	-7.0%	8,622,209	-8.9%
GRAND TOTAL	139,436,734	122,236,775	14.1%	138,489,753	0.7%

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