



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Interest Rate Futures												
30-YR BOND	12,667	12,815	-1.2%	7,470,297	6,532,866	0.14	140,452	156,512	-10.3%	47,809,565	45,688,348	4.6%
10-YR NOTE	144,752	97,079	49.1%	37,849,501	33,927,411	0.12	1,053,516	1,160,227	-9.2%	246,204,290	227,397,229	8.3%
5-YR NOTE	17,238	34,427	-49.9%	23,502,994	22,374,385	0.05	182,095	234,829	-22.5%	145,953,120	127,762,939	14.2%
2-YR NOTE	3,311	1,883	75.8%	10,594,072	8,486,299	0.25	12,709	8,013	58.6%	57,852,237	51,129,573	13.1%
FED FUND	0	0	0.0%	3,082,568	3,074,571	0	30	0	0.0%	34,858,283	21,687,791	60.7%
EURODOLLARS	468,913	438,794	6.9%	43,437,061	48,695,511	-0.11	4,915,784	4,520,610	8.7%	425,730,270	407,354,338	4.5%
5-YR SWAP RATE	0	0	0.0%	23,500	42,709	-0.45	0	0	0.0%	353,025	450,431	-21.6%
2-YR SWAP RATE	0	0	0.0%	0	2	-1	0	0	0.0%	0	4,413	-100.0%
10-YR SWAP RATE	0	0	0.0%	27,562	33,338	-0.17	0	0	0.0%	332,851	338,767	-1.7%
7-YR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	3,052	-100.0%
1-MONTH EURODOLLAR	0	0	0.0%	2,237	504	3.44	0	0	0.0%	42,371	9,734	335.3%
ULTRA T-BOND	0	60	-100.0%	4,127,603	3,100,505	0.33	15	66	-77.3%	20,513,072	17,914,694	14.5%
Ultra 10-Year Note	0	0	0.0%	3,270,155	1,821,158	0.8	8	28	-71.4%	17,376,662	8,763,502	98.3%
30-YR SWAP RATE	0	0	0.0%	135	935	-0.86	0	0	0.0%	9,376	13,304	-29.5%
2YR BUNDLE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
3YR BUNDLE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURO 5YR BUNDLE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
Interest Rate Options												
30-YR BOND	287,009	196,502	46.1%	2,350,952	1,217,716	0.93	2,060,886	2,194,651	-6.1%	16,037,050	11,315,961	41.7%
10-YR NOTE	2,835,525	1,886,567	50.3%	9,599,554	5,160,738	0.86	18,180,803	18,576,183	-2.1%	65,693,644	41,681,372	57.6%
5-YR NOTE	565,565	513,085	10.2%	1,904,723	1,365,528	0.39	4,474,682	5,261,199	-14.9%	15,509,866	10,715,246	44.7%
2-YR NOTE	226,230	38,951	480.8%	264,597	159,222	0.66	412,207	346,960	18.8%	698,691	819,050	-14.7%
FED FUND	3,300	4,500	-26.7%	0	327	-1	11,698	52,625	-77.8%	1,407	10,740	-86.9%
EURODOLLARS	4,694,990	8,531,878	-45.0%	2,508,419	3,028,773	-0.17	68,029,393	85,189,128	-20.1%	32,200,154	23,935,733	34.5%
EURO MIDCURVE	7,492,609	4,026,788	86.1%	6,734,332	1,867,112	2.61	68,268,865	53,793,853	26.9%	41,461,489	24,219,602	71.2%
ULTRA T-BOND	654	4,393	-85.1%	1,126	2,733	-0.59	9,847	13,587	-27.5%	12,606	31,529	-60.0%
Ultra 10-Year Note	0	0	0.0%	0	3,346	-1	952	3,275	-70.9%	6,835	4,841	41.2%

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Equity Index Futures												
DJIA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MINI \$5 DOW	0	0	0.0%	2,838,540	2,632,738	0.08	0	0	0.0%	22,416,522	28,330,896	-20.9%
E-MINI S&P500	0	0	0.0%	32,504,379	33,323,073	-0.02	0	0	0.0%	248,643,119	315,162,818	-21.1%
S&P 500	25,750	48,117	-46.5%	4,247	5,559	-0.24	530,055	858,579	-38.3%	35,930	84,639	-57.5%
S&P 600 SMALLCAP EMINI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
E-MINI MIDCAP	0	0	0.0%	299,975	304,023	-0.01	0	0	0.0%	2,846,955	3,403,063	-16.3%
S&P 400 MIDCAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
S&P 500 GROWTH	0	0	0.0%	3	4	-0.25	0	0	0.0%	147	167	-12.0%
S&P 500/VALUE	0	0	0.0%	5,843	686	7.52	0	0	0.0%	63,172	26,649	137.1%
E-MINI RUSSELL 2000	0	-	-	447,415	-	-	0	-	-	582,063	-	-
E-MINI RUSSELL 1000	0	0	0.0%	3,412	63	53.16	0	0	0.0%	12,421	3,780	228.6%
E-MINI NASDAQ 100	0	0	0.0%	7,415,712	4,025,428	0.84	0	0	0.0%	43,869,917	44,100,061	-0.5%
NASDAQ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	218,230	231,894	-0.06	0	0	0.0%	2,078,213	3,168,987	-34.4%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	828,791	883,594	-0.06	0	0	0.0%	7,197,097	10,412,991	-30.9%
DJ US REAL ESTATE	0	0	0.0%	9,346	7,444	0.26	0	0	0.0%	115,262	85,964	34.1%
NASDAQ BIOTECH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
E-MICRO NIFTY	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
S&P CONSUMER STAPLES SE	0	0	0.0%	2,177	2,538	-0.14	0	0	0.0%	46,109	55,789	-17.4%
S&P HEALTH CARE SECTOR	0	0	0.0%	4,215	6,119	-0.31	0	0	0.0%	68,489	60,693	12.8%
S&P TECHNOLOGY SECTOR	0	0	0.0%	3,546	2,423	0.46	0	0	0.0%	36,241	36,148	0.3%
S&P INDUSTRIAL SECTOR	0	0	0.0%	6,719	1,306	4.14	0	0	0.0%	32,800	21,531	52.3%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	3,138	3,080	0.02	0	0	0.0%	31,336	37,592	-16.6%
S&P UTILITIES SECTOR	0	0	0.0%	4,911	12,740	-0.61	0	0	0.0%	102,699	94,895	8.2%
S&P FINANCIAL SECTOR	0	0	0.0%	16,619	4,385	2.79	0	0	0.0%	117,940	51,006	131.2%
S&P ENERGY SECTOR	0	0	0.0%	8,918	12,612	-0.29	0	0	0.0%	80,307	68,954	16.5%
S&P MATERIALS SECTOR	0	0	0.0%	3,220	4,209	-0.23	0	0	0.0%	42,950	33,769	27.2%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	2,473	79	30.3	0	0	0.0%	9,308	2,355	295.2%
FT-SE 100	0	0	0.0%	2,974	1,268	1.35	0	0	0.0%	15,768	13,961	12.9%
IBOVESPA INDEX	0	0	0.0%	1,027	816	0.26	0	0	0.0%	5,195	5,479	-5.2%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,154	224	8.62	0	0	0.0%	14,856	3,999	271.5%
NIFTY 50	0	0	0.0%	15,995	14,497	0.1	0	0	0.0%	84,770	67,798	25.0%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	1,263	3	420	0	0	0.0%	20,813	3	693,666.7%

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Equity Index Options												
DJIA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MINI \$5 DOW	0	0	0.0%	6,729	3,874	0.74	0	0	0.0%	42,754	97,039	-55.9%
E-MINI S&P500	0	0	0.0%	5,705,797	2,913,647	0.96	1,935	110,315	-98.2%	33,116,049	41,619,425	-20.4%
S&P 500	483,641	248,482	94.6%	0	0	0	2,541,585	4,679,432	-45.7%	0	0	0.0%
E-MINI MIDCAP	0	0	0.0%	0	6	-1	0	0	0.0%	0	16	-100.0%
E-MINI RUSSELL 2000	0	-	-	6,724	-	-	0	-	-	8,912	-	-
E-MINI NASDAQ 100	0	0	0.0%	360,616	216,473	0.67	0	0	0.0%	1,816,708	1,787,187	1.7%
NASDAQ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EOM S&P 500	192,110	118,220	62.5%	0	0	0	1,396,096	1,369,472	1.9%	0	0	0.0%
EOM EMINI S&P	0	0	0.0%	2,080,680	1,613,558	0.29	0	0	0.0%	15,882,299	12,588,256	26.2%
EOW1 S&P 500	91,082	79,921	14.0%	0	0	0	695,827	464,772	49.7%	0	0	0.0%
EOW1 EMINI S&P 500	0	0	0.0%	940,366	1,192,254	-0.21	0	0	0.0%	8,734,638	7,691,663	13.6%
EOW2 S&P 500	197,130	137,476	43.4%	0	0	0	1,324,566	1,023,952	29.4%	0	0	0.0%
EOW2 EMINI S&P 500	0	0	0.0%	1,383,549	1,031,963	0.34	0	0	0.0%	9,002,565	7,866,144	14.4%
EOW4 EMINI S&P 500	0	0	0.0%	1,275,028	1,053,465	0.21	0	0	0.0%	7,573,159	8,662,314	-12.6%
EOW3 S&P 500	375,215	297,480	26.1%	0	0	0	2,814,477	1,719,369	63.7%	0	0	0.0%
EOW3 EMINI S&P 500	3,000	0	0.0%	3,572,196	2,986,537	0.2	3,000	27,000	-88.9%	28,046,806	12,050,619	132.7%
EOM3 E-MINI S&P 500 END OF	0	-	-	5,170	-	-	0	-	-	7,931	-	-

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Metals Futures												
COMEX GOLD	0	6,793	-100.0%	6,585,348	4,144,648	0.59	0	82,271	-100.0%	43,544,550	37,047,350	17.5%
COMEX MINY COPPER	0	0	0.0%	674	417	0.62	0	0	0.0%	6,153	4,533	35.7%
COMEX SILVER	0	732	-100.0%	2,551,022	1,881,923	0.36	0	8,645	-100.0%	15,184,866	11,905,703	27.5%
COMEX COPPER	0	0	0.0%	2,918,785	1,867,061	0.56	0	850	-100.0%	16,770,736	13,605,398	23.3%
NYMEX HOT ROLLED STEEL	0	0	0.0%	60	537	-0.89	0	0	0.0%	1,962	4,036	-51.4%
NYMEX PLATINUM	0	0	0.0%	380,656	265,634	0.43	0	38	-100.0%	2,934,267	2,348,567	24.9%
URANIUM	0	0	0.0%	0	0	0	0	0	0.0%	427	993	-57.0%
PALLADIUM	0	0	0.0%	155,850	155,005	0.01	0	63	-100.0%	956,621	880,623	8.6%
E-MICRO GOLD	0	0	0.0%	107,277	56,462	0.9	0	0	0.0%	713,349	723,972	-1.5%
GOLD	0	-	-	0	-		0	-	-	1	-	-
ALUMINUM	0	0	0.0%	198	903	-0.78	0	0	0.0%	5,987	13,412	-55.4%
COPPER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SILVER	0	0	0.0%	10,988	11,552	-0.05	0	0	0.0%	47,805	70,762	-32.4%
Gold Kilo	0	0	0.0%	294	4,083	-0.93	0	0	0.0%	2,829	40,021	-92.9%
COMEX E-Mini SILVER	0	0	0.0%	795	1,618	-0.51	0	0	0.0%	7,194	10,178	-29.3%
COMEX E-Mini GOLD	0	0	0.0%	6,863	7,956	-0.14	0	0	0.0%	65,951	88,632	-25.6%
LNDN ZINC	0	0	0.0%	0	14	-1	0	0	0.0%	85	200	-57.5%
METALS	0	0	0.0%	0	10	-1	0	0	0.0%	0	15	-100.0%
FERROUS PRODUCTS	0	0	0.0%	0	0	0	0	0	0.0%	35	0	0.0%
IRON ORE 62 CHINA PLATTS F	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI FUTU	0	0	0.0%	365	461	-0.21	0	0	0.0%	2,463	4,456	-44.7%
IRON ORE 58 CHINA TSI FUTU	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%

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Metals Options												
COMEX GOLD	0	40,881	-100.0%	750,638	448,072	0.68	0	548,376	-100.0%	5,067,632	4,650,608	9.0%
COMEX SILVER	0	10,075	-100.0%	158,741	105,340	0.51	0	65,796	-100.0%	877,531	782,880	12.1%
COMEX COPPER	0	0	0.0%	10,432	3,351	2.11	0	1,073	-100.0%	36,342	18,296	98.6%
NYMEX PLATINUM	0	180	-100.0%	2,081	1,679	0.24	0	2,190	-100.0%	8,733	5,729	52.4%
PALLADIUM	0	50	-100.0%	1,891	520	2.64	0	322	-100.0%	8,848	1,994	343.7%
GOLD	0	0	0.0%	17,098	3,404	4.02	0	616	-100.0%	95,287	29,279	225.4%
COPPER	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SILVER	0	0	0.0%	35	20	0.75	0	0	0.0%	1,405	249	464.3%
IRON ORE 62 CHINA TSI CALL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI PUT O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
Energy Futures												
ETHANOL	0	0	0.0%	9,114	12,103	-0.25	0	0	0.0%	112,053	113,138	-1.0%
ETHANOL FWD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOUSTON SHIP CHANNEL BAS	0	0	0.0%	0	274	-1	0	0	0.0%	0	517	-100.0%
NORTHWEST ROCKIES BASIS	0	0	0.0%	0	428	-1	0	0	0.0%	0	736	-100.0%
HEATING OIL VS ICE GASOIL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
FUEL OIL CRACK VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FUEL OIL NWE CRACK VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL MIDCONTINENT INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL TEXOK INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CENTERPOINT BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	32,178	30,285	0.06	0	800	-100.0%	287,653	124,806	130.5%
HTG OIL	0	0	0.0%	0	0	0	0	36	-100.0%	84	0	0.0%
LTD NAT GAS	0	0	0.0%	136,031	81,931	0.66	0	0	0.0%	970,457	578,762	67.7%
GASOIL MINI CALENDAR SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 ROTTERDAM BAR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HUSTN SHIP CHNL PIPE SWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SOCAL PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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Energy Futures												
PANHANDLE PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	2,116,426	1,723,475	0.23	0	344	-100.0%	15,746,338	15,807,907	-0.4%
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CARGOES CIF NE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF NWE VS ISE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY H OIL PLATTS VS NYMEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI TRD MT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE 180CST BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE NAPHTHA BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO 3.5% FUEL OIL RDAM B	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR 1% FUEL OIL BAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST 3% FUEL OIL BA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREMIUM UNLD 10P FOB MED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 10P CRG CIF NW VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CRG CIF NW VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT CFD SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
JET FUEL CRG CIF NEW VS I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
3.5% FUEL OIL CID MED SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ARGUS PROPAN FAR EST IND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF VS ICE GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET FUEL BRG FOB RDM VS I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM NILL DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM AECO DA OFF-PEAK	0	0	0.0%	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%	0	0	0.0%
PJM BGE DA PEAK	0	0	0.0%	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%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Energy Futures												
PJM JCPL DA PEAK	0	0	0.0%	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	0.0%	0	0	0.0%
PJM PEPSCO DA OFF-PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM PPL DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PPL DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WESTHDA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WESTH RT PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WESTH RT OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ALGONQUIN CITYGATES BASI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TCO NG INDEX SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 3 NG INDEX S	0	-	-	0	-		0	-	-	0	-	-
MICHCON NG INDEX SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIG ROCKIES NG INDEX SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF MED SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF MED SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF MED VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ICE GASOIL BALMO SWAP	0	-	-	0	-		0	-	-	0	-	-
ULSD 10PPM CIF NW BALMO S	0	-	-	0	-		0	-	-	0	-	-
ULSD 10PPM CIF MED BALMO	0	0	0.0%	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%	0	0	0.0%
Tetco ELA Basis	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PANHANDLE INDEX SWAP FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST JET FUEL CLNDR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL NWE CA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL 180CST CAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST NO.6 FUEL OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE G PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NORTHERN ILLINOIS OFF-PEA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Energy Futures												
AEP-DAYTON HUB DAILY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL OIL SPREA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO GASOI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TETCO M-3 INDEX	0	0	0.0%	0	0	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%	0	0	0.0%
CINERGY HUB PEAK MONTH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	0	58	-100.0%	4,532,482	3,189,211	0.42	0	761	-100.0%	27,198,708	23,945,204	13.6%
GASOIL 10PPM CARGOES CIF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 10PPM VS ICE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPEAN NAPHTHA BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 BRGS FOB VS IC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DIESEL 10P BRG FOB RDM VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ARGUS PROPAN(SAUDI ARAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM AECO DA PEAK	0	0	0.0%	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%	0	0	0.0%
MINY HTG OIL	0	0	0.0%	3	11	-0.73	0	0	0.0%	21	83	-74.7%
WAHA BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY NATURAL GAS	0	0	0.0%	16,749	24,470	-0.32	0	0	0.0%	201,339	198,581	1.4%
SINGAPORE GASOIL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	36	0	0.0%
UP DOWN GC ULSD VS NMX H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	0	0	0.0%	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%	0	0	0.0%
LA JET (OPIS) SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ULSD UP-DOWN BALMO SWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET FUEL UP-DOWN BALMO C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EIA FLAT TAX ONHWAY DIESE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	0	0	0.0%	0	0	0	0	0	0.0%	60	0	0.0%
JAPAN NAPHTHA BALMO SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY 2.2% FUEL OIL (PLATTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 MW P	0	-	-	0	-	-	0	-	-	0	-	-
RBOB GASOLINE BALMO CLNC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOLINE UP-DOWN BALMO S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Energy Futures												
TRANSCO ZONE 4 NAT GAS IN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COLUMBIA GULF MAIN NAT G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOUTHERN NAT LA NAT GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FL GAS ZONE 3 NAT GAS IND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COLUMB GULF MAINLINE NG B	0	0	0.0%	0	122	-1	0	0	0.0%	0	122	-100.0%
HENRY HUB FINANCIAL LAST	0	-	-	581	-	-	0	-	-	732	-	-
TENNESSEE 800 LEG NG BASI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 1 NG BASIS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ONEOK OKLAHOMA NG BASIS	0	0	0.0%	0	0	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%	0	0	0.0%
TEXAS GAS ZONE1 NG BASIS	0	0	0.0%	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	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH O P	0	0	0.0%	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%	0	0	0.0%
NYISO ZONE J 5MW D AH O P	0	0	0.0%	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%	0	0	0.0%
PJM COMED 5MW D AH O PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH PK	0	0	0.0%	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%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D	0	0	0.0%	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%	0	0	0.0%
NEPOOL CNCTCT 5MW D AH O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH PK	0	0	0.0%	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%	0	0	0.0%
NYISO ZONE G 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Energy Futures												
CIN HUB 5MW D AH O PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME O P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB PHY	0	9	-100.0%	5,397,658	3,798,053	0.42	0	469	-100.0%	32,470,867	28,131,696	15.4%
SING FUEL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LLS (ARGUS) CALENDAR SWA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS DEM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOUSTON SHIP CHANNEL IND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE JET KERO NWE CALS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY WTI CRUDE OIL	0	0	0.0%	304,306	268,400	0.13	0	0	0.0%	2,119,492	2,314,208	-8.4%
NEW ENGLAND HUB PEAK DAI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ROCKIES KERN OPAL - NW IN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	22	-100.0%	7,878,602	8,351,286	-0.06	0	1,533	-100.0%	66,492,544	59,043,255	12.6%
APPALACHIAN COAL (PHY)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI CALENDAR	0	0	0.0%	0	0	0	0	1,069	-100.0%	0	0	0.0%
HENRY HUB BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	2,996	31	9,564.5%
DEMARC INDEX FUTURE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREMIUM UNLEAD 10PPM FOB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHICAGO UNL GAS PL VS RBO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	0	989	-100.0%	34,183,281	22,458,636	0.52	0	19,148	-100.0%	205,123,104	172,843,902	18.7%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	5	0	0.0%
ISO NEW ENGLAND PK LMP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHICAGO ETHANOL SWAP	0	0	0.0%	412	919	-0.55	0	0	0.0%	1,937	10,084	-80.8%
NEW YORK ETHANOL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL BULLET SWAP	0	-	-	0	-	-	0	-	-	0	-	-
EURO PROPANE CIF ARA SW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LA CARBOB GASOLINE(OPIS)S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	15	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Energy Futures												
MINY RBOB GAS	0	0	0.0%	4	7	-0.43	0	0	0.0%	35	34	2.9%
RBOB GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB CRACK SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB UP-DOWN CALENDAR S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR RESIDUAL FUEL 1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	0	0	0	0	39	-100.0%	3	3	0.0%
LA JET FUEL VS NYM NO 2 H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ANR OKLAHOMA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MICHIGAN BASIS	0	0	0.0%	0	305	-1	0	0	0.0%	0	549	-100.0%
Sumas Basis Swap	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	0	0	0.0%	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%	0	31	-100.0%
PJM MONTHLY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS VEN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DOMINION TRANSMISSION INC	0	0	0.0%	0	0	0	0	0	0.0%	0	243	-100.0%
TCO BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIG BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM DAILY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COLUMBIA GULF ONSHORE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
Tetco STX Basis	0	0	0.0%	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%	0	0	0.0%
HENRY HUB SWING FUTURE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EL PASO PERMIAN INDEX SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HENRY HUB INDEX SWAP FUT	0	0	0.0%	0	0	0	0	0	0.0%	2,996	0	0.0%
WAHA INDEX SWAP FUTURE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST GASOLINE CLND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE NAPHTHA CALSWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL RDAM C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL RDAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PANHANDLE BASIS SWAP FUT	0	0	0.0%	0	640	-1	0	0	0.0%	0	701	-100.0%
SAN JUAN BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOCAL BASIS SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
TRANSCO ZONE 6 BASIS SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Futures												
NYISO A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO J	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST JET VS NYM 2 H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR RESIDUAL FUEL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURO 3.5% FUEL OIL SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO GASOIL 10 CAL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL MIDCONTINENT SWING	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DEMARC SWING SWAP	0	-	-	0	-	-	0	-	-	0	-	-
CENTERPOINT EAST INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL	0	0	0.0%	202	0	0	0	0	0.0%	407	0	0.0%
BRENT FINANCIAL FUTURES	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI-BRENT CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	120	0	0.0%
DATED TO FRONTLINE BRENT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL CRACK SPREAD CALE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPEAN NAPHTHA CRACK S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO GASOIL 10PPM VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET CIF NWE VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET BARGES VS ICE GASOIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS PEN SWP	0	0	0.0%	0	0	0	0	92	-100.0%	58	0	0.0%
WESTERN RAIL DELIVERY PR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EASTERN RAIL DELIVERY CSX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE DATED BRENT SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TC5 RAS TANURA TO YOKOHA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TC2 ROTTERDAM TO USAC 37	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM OFF-PEAK LMP SWAP FU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO A OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO G OFF-PEAK	0	0	0.0%	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%	0	0	0.0%
ISO NEW ENGLAND OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Energy Futures												
N ILLINOIS HUB DAILY	0	0	0.0%	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%	0	0	0.0%
FUELOIL SWAP:CARGOES VS.	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EAST/WEST FUEL OIL SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST FUEL OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE JET KEROSENE S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE NAPHTHA SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SONAT BASIS SWAP FUTURE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FLORIDA GAS ZONE3 BASIS S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE4 BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	646	-100.0%
ANR LOUISIANA BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TENNESSEE 500 LEG BASIS S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TENNESSEE ZONE 0 BASIS S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CINERGY HUB OFF-PEAK MON	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CALEND	0	0	0.0%	0	0	0	0	0	0.0%	0	3	-100.0%
GULF COAST ULSD CRACK SP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HENRY HUB SWAP	0	0	0.0%	2	246,247	-1	0	1,472	-100.0%	59,905	1,588,655	-96.2%
DUBAI CRUDE OIL CALENDAR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
USGC UNL 87 CRACK SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYH NO 2 CRACK SPREAD CA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ETHANOL T2 FOB ROTT INCL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	0	0	0.0%	0	0	0	0	0	0.0%	5	0	0.0%
PROPANE NON-LDH MT. BEL (0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MB (OPIS)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY JET FUEL (PLATTS) HEAT C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET AV FUEL (P) CAR FM ICE G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY ULSD (ARGUS) VS HEATIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
IN DELIVERY MONTH EUA	0	0	0.0%	0	0	0	0	0	0.0%	0	225	-100.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Energy Futures												
DATED BRENT (PLATTS) DAILY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE 5 DEC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	61	91	-0.33	0	0	0.0%	231	139	66.2%
EUROPEAN GASOIL (ICE)	0	0	0.0%	3,887	7,291	-0.47	0	0	0.0%	27,508	1,461,101	-98.1%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ERCOT HOUSTON Z MCPE 5M	0	-	-	0	-	-	0	-	-	0	-	-
SINGAPORE JET KERO VS. GA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE OPIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CONWAY NORMAL BUTANE (O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CONWAY NATURAL GASOLINE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CONWAY PROPANE 5 DECIMA	0	0	0.0%	5	0	0	0	0	0.0%	44	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	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%	0	0	0.0%
ELEC MISO PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MARS BLEND CRUDE OIL	0	0	0.0%	0	0	0	0	0	0.0%	200	0	0.0%
NYMEX ALUMINUM FUTURES	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF MED BALMO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
RBOB CRACK SPREAD BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DIESEL 10PPM BARGES FOB B	0	-	-	0	-	-	0	-	-	0	-	-
RBOB (PLATTS) CAL SWAP	0	-	-	0	-	-	0	-	-	0	-	-
PJM DUQUESNE 5MW D AH PK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM DUQUS 5MW D AH O PK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Energy Futures												
PETRO CRK&SPRD EURO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GRP THREE ULSD(PLT)VS HEA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HEATING OIL CRCK SPRD BAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GRP THREE UNL GS (PLT) VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50 M	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL NEW HAMP 5MW D A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ELECTRICITY OFF PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL SPRDS	0	0	0.0%	0	0	0	0	0	0.0%	50	0	0.0%
PJM APS ZONE DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC FINSETTLED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM APS ZONE DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NAT GAS BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PLASTICS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MNC FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 PIPE SWAP	-	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%	0	0	0.0%
GC ULSD VS GC JET SPREAD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	0	0	0.0%	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	0.0%	0	0	0.0%
SINGAPORE GASOIL CALEND A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MJC FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL TEX/OK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB SPREAD (PLATTS) SWA	0	0	0.0%	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%	0	0	0.0%
SINGAPORE GASOIL	0	0	0.0%	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%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Energy Futures												
TENN 800 LEG NAT GAS INDE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS ASIA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
INDONESIAN COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DAILY PJM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
INDIANA MISO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
AUSTRIALIAN COKE COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO CAPACITY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
VENTURA NAT GAS PLATTS FI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EMMISSIONS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
DIESEL 10PPM BARG VS ICE LS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NATURAL GAS FIXED PRICE S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SUMAS NAT GAS PLATTS FIXE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
3.5% FUEL OIL CIF BALMO S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CANADIAN LIGHT SWEET OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DLY GAS EURO-BOB OXY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOBARG NWE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOB(ARGUS) N	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL TRADE AT MARKE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MGF FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MJB FUT	-	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%	0	0	0.0%
PJM ATSI ELEC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EU LOW SULPHUR GASOIL CR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CENTER POINT NAT GAS FIXE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ELEC ERCOT DLY OFF PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHICAGO ULSD (PLATTS) SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR LOW SULPUR GA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Energy Futures												
MINI GAS EUROBOB OXY NWE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COLUMBIA GULF NAT GAS FIX	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MGN1 SWAP FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GROUP THREE ULSD (PLATTS)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
UCM FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DY EURO 3.5% FUEL OI RDA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	0	-	-	0	-		0	-	-	0	-	-
ELEC WEST POWER OFF-PEA	0	-	-	0	-		0	-	-	0	-	-
ELEC WEST POWER PEAK	0	-	-	0	-		0	-	-	0	-	-
CAISO SP15 EZGNHUB5 PEAK	0	-	-	0	-		0	-	-	0	-	-
ERCOT DAILY 5MW PEAK	0	-	-	0	-		0	-	-	0	-	-
Energy Options												
ETHANOL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PGE CITYGATE PIPE SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HUSTN SHIP CHNL PIPE SWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PANHANDLE PIPE SWAP	0	-	-	0	-		0	-	-	0	-	-
BRENT OIL LAST DAY	0	4	-100.0%	28,940	2,682	9.79	0	9,901	-100.0%	65,993	10,103	553.2%
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ROTTERDAM 3.5%FUEL OIL CL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL OIL 180 CS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HEATING OIL PHY	0	407	-100.0%	4,919	6,165	-0.2	0	6,108	-100.0%	40,037	56,106	-28.6%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB PHY	0	247	-100.0%	9,287	7,590	0.22	0	8,001	-100.0%	49,617	62,970	-21.2%
NATURAL GAS PHY	0	285	-100.0%	1,151,564	996,859	0.16	0	18,804	-100.0%	9,336,974	5,322,232	75.4%
CRUDE OIL APO	0	72	-100.0%	0	0	0	0	7,159	-100.0%	52	0	0.0%
NATURAL GAS 3 M CSO FIN	0	0	0.0%	0	0	0	0	250	-100.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Options												
NATURAL GAS 1 M CSO FIN	0	0	0.0%	325	0	0	0	200	-100.0%	1,320	0	0.0%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	400	9,300	-0.96	0	0	0.0%	400	26,126	-98.5%
CRUDE OIL PHY	0	8,164	-100.0%	2,772,720	3,152,968	-0.12	0	211,742	-100.0%	25,027,056	22,388,483	11.8%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0	0	50	-100.0%	10	0	0.0%
RBOB 1MO CAL SPD OPTIONS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	50	-100.0%	33	0	0	0	1,343	-100.0%	446	6	7,333.3%
PJM MONTHLY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	1,468	0	0	0	0	0.0%	7,088	0	0.0%
HEATING OIL CRACK OPTIONS	0	-	-	0	-	-	0	-	-	0	-	-
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NG HH 3 MONTH CAL	0	0	0.0%	0	0	0	0	500	-100.0%	0	0	0.0%
CRUDE OIL 1MO	0	0	0.0%	56,904	51,673	0.1	0	100	-100.0%	183,188	471,695	-61.2%
WTI 12 MONTH CALENDAR OP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NYMEX EUROPEAN GASOIL A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW PEAK OP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0	0	0	0.0%	0	10	-100.0%
NATURAL GAS OPTION ON CA	0	0	0.0%	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%	0	0	0.0%
EUROPEAN JET KEROSENE N	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM CALENDAR STRIP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
APPALACHIAN COAL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HEATING OIL CRK SPD AVG P	0	-	-	0	-	-	0	-	-	0	-	-
ELECTRICITY OFF PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ELEC FINSETTLED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL CALNDR STRIP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NATURAL GAS 5 M CSO FIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS 2 M CSO FIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS 6 M CSO FIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL CRACK SPREAD AVG	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Options												
SINGAPORE GASOIL CALEND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ETHANOL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SHORT TERM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS 12 M CSO FIN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SHORT TERM CRUDE OIL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DAILY CRUDE OIL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM ELECTRIC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM WES HUB PEAK CAL MTH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50M	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LLS CRUDE OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COAL API2 INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOLINE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COAL API4 INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
1 MO GASOIL CAL SWAP SPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
12 MO GASOIL CAL SWAP SPR	0	-	-	0	-	-	0	-	-	0	-	-
FX Futures												
AUSTRALIAN DOLLAR	0	228	-100.0%	2,038,588	2,008,326	0.02	1,506	977	54.1%	15,170,621	16,883,916	-10.1%
BRITISH POUND	0	16	-100.0%	2,120,911	1,848,704	0.15	248	721	-65.6%	19,080,512	18,549,014	2.9%
BRAZIL REAL	0	0	0.0%	51,932	49,954	0.04	0	0	0.0%	395,560	387,845	2.0%
CANADIAN DOLLAR	496	3	16,433.3%	1,514,219	1,402,829	0.08	2,532	747	239.0%	12,251,738	12,273,339	-0.2%
E-MINI EURO FX	0	0	0.0%	97,241	48,572	1	0	0	0.0%	729,262	624,111	16.8%
EURO FX	193	626	-69.2%	4,666,145	2,985,639	0.56	2,459	6,946	-64.6%	35,506,637	31,551,142	12.5%
E-MINI JAPANESE YEN	0	0	0.0%	23,166	27,185	-0.15	0	0	0.0%	269,426	276,307	-2.5%
JAPANESE YEN	882	540	63.3%	3,385,170	2,214,623	0.53	8,676	3,325	160.9%	26,835,864	23,856,593	12.5%
MEXICAN PESO	0	0	0.0%	810,536	1,116,373	-0.27	5	0	0.0%	7,820,400	8,703,100	-10.1%
NEW ZEALND DOLLAR	0	0	0.0%	505,052	441,727	0.14	0	0	0.0%	3,909,056	3,571,395	9.5%
NKR/USD CROSS RATE	0	0	0.0%	1,445	1,721	-0.16	0	0	0.0%	13,891	11,711	18.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
FX Futures												
RUSSIAN RUBLE	0	0	0.0%	29,029	21,929	0.32	0	0	0.0%	274,348	216,124	26.9%
S.AFRICAN RAND	0	0	0.0%	44,527	20,907	1.13	0	0	0.0%	336,819	120,440	179.7%
SWISS FRANC	0	0	0.0%	685,928	416,263	0.65	0	0	0.0%	4,389,023	3,670,290	19.6%
AD/CD CROSS RATES	0	0	0.0%	4	0	0	0	0	0.0%	33	37	-10.8%
AD/JY CROSS RATES	0	0	0.0%	2,432	1,864	0.3	0	0	0.0%	17,922	31,637	-43.4%
AD/NE CROSS RATES	0	0	0.0%	101	35	1.89	0	0	0.0%	720	629	14.5%
BP/JY CROSS RATES	0	0	0.0%	2,908	1,946	0.49	0	0	0.0%	20,842	14,872	40.1%
BP/SF CROSS RATES	0	0	0.0%	15	7	1.14	0	0	0.0%	612	316	93.7%
CD/JY CROSS RATES	0	0	0.0%	50	0	0	0	0	0.0%	552	10	5,420.0%
EC/AD CROSS RATES	0	0	0.0%	1,008	933	0.08	0	0	0.0%	18,671	12,614	48.0%
EC/CD CROSS RATES	0	0	0.0%	3,186	1,381	1.31	0	0	0.0%	31,707	17,923	76.9%
EC/NOK CROSS RATES	0	0	0.0%	321	0	0	0	0	0.0%	765	7	10,828.6%
EC/SEK CROSS RATES	0	0	0.0%	446	31	13.39	0	0	0.0%	3,046	491	520.4%
EFX/BP CROSS RATES	0	0	0.0%	55,280	37,137	0.49	0	0	0.0%	497,556	550,180	-9.6%
EFX/JY CROSS RATES	0	0	0.0%	72,748	18,340	2.97	0	0	0.0%	488,998	305,763	59.9%
EFX/SF CROSS RATES	0	0	0.0%	35,360	15,581	1.27	0	0	0.0%	263,257	241,292	9.1%
SF/JY CROSS RATES	0	-	-	0	-		0	-	-	0	-	-
SKR/USD CROSS RATES	0	0	0.0%	1,523	1,263	0.21	0	0	0.0%	15,055	11,444	31.6%
HUNGARIAN FORINT (US)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
POLISH ZLOTY (US)	0	0	0.0%	70	953	-0.93	0	0	0.0%	867	3,645	-76.2%
POLISH ZLOTY (EC)	0	0	0.0%	18	5	2.6	0	0	0.0%	371	4,597	-91.9%
SHEKEL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RMB USD	0	0	0.0%	28	22	0.27	0	6	-100.0%	230	1,670	-86.2%
KOREAN WON	0	0	0.0%	8	6	0.33	0	0	0.0%	137	124	10.5%
TURKISH LIRA	0	0	0.0%	0	0	0	0	0	0.0%	12	0	0.0%
TURKISH LIRA (EU)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
E-MICRO EUR/USD	0	0	0.0%	281,860	184,407	0.53	0	0	0.0%	2,031,467	2,275,583	-10.7%
E-MICRO GBP/USD	0	0	0.0%	36,635	103,075	-0.64	0	0	0.0%	459,741	607,494	-24.3%
E-MICRO USD/CAD	0	0	0.0%	0	0	0	0	0	0.0%	0	22	-100.0%
E-MICRO USD/CHF	0	0	0.0%	0	0	0	0	0	0.0%	0	1	-100.0%
E-MICRO USD/JPY	0	0	0.0%	0	0	0	0	0	0.0%	0	4	-100.0%
E-MICRO AUD/USD	0	0	0.0%	105,362	132,532	-0.21	0	0	0.0%	682,310	800,483	-14.8%
MICRO CHF/USD	0	0	0.0%	1,023	1,286	-0.2	0	0	0.0%	7,536	15,557	-51.6%
E-MICRO JPY/USD	0	0	0.0%	30,881	28,667	0.08	0	0	0.0%	327,675	234,673	39.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
FX Futures												
E-MICRO INR/USD	0	0	0.0%	2,197	2,865	-0.23	0	0	0.0%	20,406	14,162	44.1%
FCXRX	0	0	0.0%	0	58	-1	0	0	0.0%	6,243	468	1,234.0%
E-MICRO USD/CNH	0	0	0.0%	0	0	0	0	0	0.0%	0	61	-100.0%
CHINESE RENMINBI (CNH)	0	0	0.0%	1,404	883	0.59	0	0	0.0%	11,080	10,905	1.6%
E-MICRO CAD/USD	0	0	0.0%	24,740	20,567	0.2	0	0	0.0%	151,043	163,784	-7.8%
INDIAN RUPEE	0	0	0.0%	35,535	10,507	2.38	0	0	0.0%	247,078	96,924	154.9%
USDZAR	0	0	0.0%	0	0	0	0	0	0.0%	0	6	-100.0%
FX Options												
AUSTRALIAN DOLLAR	0	2,680	-100.0%	0	107,870	-1	2,674	9,259	-71.1%	200,250	1,083,932	-81.5%
BRITISH POUND	0	2,685	-100.0%	0	175,928	-1	693	28,630	-97.6%	462,114	1,598,215	-71.1%
CANADIAN DOLLAR	0	113	-100.0%	0	96,905	-1	4,597	23,129	-80.1%	183,080	1,134,145	-83.9%
EURO FX	0	6,058	-100.0%	0	470,951	-1	8,535	94,128	-90.9%	1,287,538	5,600,868	-77.0%
JAPANESE YEN	0	2,870	-100.0%	0	262,099	-1	8,468	56,518	-85.0%	544,469	2,423,024	-77.5%
MEXICAN PESO	0	468	-100.0%	235	3,503	-0.93	749	1,233	-39.3%	20,371	19,978	2.0%
NEW ZEALND DOLLAR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
RUSSIAN RUBLE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SWISS FRANCO	0	0	0.0%	0	4,207	-1	0	272	-100.0%	5,710	53,197	-89.3%
JAPANESE YEN (EU)	0	0	0.0%	0	95	-1	0	0	0.0%	180	5,898	-96.9%
EURO FX (EU)	0	0	0.0%	90	586	-0.85	0	0	0.0%	436	28,313	-98.5%
SWISS FRANCO (EU)	0	-	-	1	-	-	0	-	-	15	-	-
CANADIAN DOLLAR (EU)	0	0	0.0%	13	18	-0.28	0	0	0.0%	111	1,786	-93.8%
BRITISH POUND (EU)	0	0	0.0%	443	100	3.43	0	0	0.0%	1,765	9,066	-80.5%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	22	-1	0	0	0.0%	2	1,146	-99.8%
EUR/USD PQO 2pm Fix	2,150	0	0.0%	1,063,210	1,439	737.85	20,941	0	0.0%	4,551,816	1,439	316,218.0%
CAD/USD PQO 2pm Fix	1,627	0	0.0%	165,426	595	277.03	4,095	0	0.0%	961,161	595	161,439.7%
JPY/USD PQO 2pm Fix	3,229	0	0.0%	336,693	533	630.69	30,535	0	0.0%	1,929,643	533	361,934.3%
AUD/USD PQO 2pm Fix	163	0	0.0%	143,263	496	287.84	4,338	0	0.0%	814,646	496	164,143.1%
GBP/USD PQO 2pm Fix	164	0	0.0%	230,638	801	286.94	2,634	0	0.0%	1,365,764	801	170,407.4%
CHF/USD PQO 2pm Fix	0	0	0.0%	3,799	72	51.76	0	0	0.0%	19,485	72	26,962.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Commodities and Alternative Investments												
Futures												
CORN	31,278	25,681	21.8%	8,962,629	7,355,326	0.22	282,341	359,432	-21.4%	62,560,998	61,124,918	2.3%
SOYBEAN	20,793	30,889	-32.7%	3,977,810	3,310,053	0.2	116,306	265,238	-56.2%	34,162,688	41,632,553	-17.9%
SOYBEAN MEAL	3,462	6,482	-46.6%	2,106,271	1,797,175	0.17	19,218	41,187	-53.3%	16,548,088	17,340,802	-4.6%
SOYBEAN OIL	2,944	8,021	-63.3%	2,665,207	2,323,048	0.15	29,945	36,486	-17.9%	19,330,903	18,637,299	3.7%
OATS	0	50	-100.0%	11,385	18,020	-0.37	80	60	33.3%	108,807	152,427	-28.6%
ROUGH RICE	0	0	0.0%	28,692	35,442	-0.19	0	0	0.0%	177,958	202,632	-12.2%
WHEAT	0	-	-	8,220	-	-	0	-	-	118,761	-	-
MINI CORN	0	0	0.0%	9,675	10,659	-0.09	0	0	0.0%	83,560	99,259	-15.8%
MINI SOYBEAN	0	0	0.0%	10,695	15,241	-0.3	0	0	0.0%	129,464	190,954	-32.2%
MINI WHEAT	0	0	0.0%	7,145	8,479	-0.16	0	0	0.0%	52,221	53,765	-2.9%
LIVE CATTLE	719	4,239	-83.0%	1,152,224	985,345	0.17	31,057	29,273	6.1%	11,020,933	8,393,256	31.3%
FEEDER CATTLE	32	40	-20.0%	382,734	248,740	0.54	455	212	114.6%	2,368,292	1,645,564	43.9%
LEAN HOGS	4,129	2,146	92.4%	971,278	638,518	0.52	22,888	16,622	37.7%	7,281,538	5,804,905	25.4%
LUMBER	0	0	0.0%	15,662	17,296	-0.09	0	0	0.0%	129,404	117,783	9.9%
MILK	125	297	-57.9%	30,844	30,080	0.03	916	620	47.7%	220,825	202,280	9.2%
MLK MID	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NFD MILK	14	0	0.0%	5,553	4,417	0.26	14	0	0.0%	39,252	39,139	0.3%
BUTTER CS	0	0	0.0%	4,084	4,040	0.01	0	0	0.0%	24,572	24,295	1.1%
CLASS IV MILK	6	0	0.0%	1,084	937	0.16	67	0	0.0%	8,557	7,858	8.9%
DRY WHEY	0	0	0.0%	1,209	1,617	-0.25	0	0	0.0%	14,937	9,406	58.8%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0	0	0	0.0%	702	819	-14.3%
GOLDMAN SACHS	0	0	0.0%	31,341	29,797	0.05	0	0	0.0%	274,008	219,962	24.6%
HDD WEATHER	0	0	0.0%	0	0	0	0	0	0.0%	50	78	-35.9%
CDD WEATHER	0	0	0.0%	0	50	-1	0	0	0.0%	25	400	-93.8%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0	0	0	0.0%	50	100	-50.0%
CAT WEATHER EUROPEAN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	50	-100.0%
CAT EURO SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOUSING INDEX	0	0	0.0%	18	5	2.6	0	0	0.0%	100	68	47.1%
DOW-UBS COMMOD INDEX	0	0	0.0%	60,219	20,724	1.91	0	0	0.0%	548,527	245,887	123.1%
COTTON	0	0	0.0%	0	77	-1	0	0	0.0%	15	547	-97.3%
COCOA TAS	0	0	0.0%	0	517	-1	0	0	0.0%	81	2,034	-96.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Commodities and Alternative Investments												
Futures												
COFFEE	0	0	0.0%	0	6	-1	0	0	0.0%	40	143	-72.0%
SUGAR 11	0	0	0.0%	3	23	-0.87	0	0	0.0%	40	401	-90.0%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CASH-SETTLED CHEESE	0	6	-100.0%	10,004	8,932	0.12	0	6	-100.0%	77,940	84,690	-8.0%
FERTILIZER PRODUCS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHI WHEAT	15,267	19,317	-21.0%	3,341,423	3,361,864	-0.01	138,752	144,968	-4.3%	24,011,201	22,243,259	7.9%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
KC WHEAT	665	1,366	-51.3%	1,384,796	1,106,752	0.25	9,555	11,934	-19.9%	8,764,792	6,482,609	35.2%
Intercommodity Spread	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PALM OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
Commodities and Alternative Investments												
Options												
CORN	620,537	596,726	4.0%	1,746,404	1,243,033	0.4	5,173,510	6,198,364	-16.5%	12,852,391	11,258,601	14.2%
SOYBEAN	325,958	326,951	-0.3%	1,440,022	1,037,626	0.39	2,497,452	3,868,033	-35.4%	9,460,328	11,526,054	-17.9%
SOYBEAN MEAL	48,935	59,056	-17.1%	98,149	105,801	-0.07	458,067	544,327	-15.8%	1,018,977	1,157,397	-12.0%
SOYBEAN OIL	69,591	117,292	-40.7%	119,858	115,678	0.04	678,054	783,064	-13.4%	767,989	832,464	-7.7%
SOYBEAN CRUSH	35	155	-77.4%	0	0	0	545	4,618	-88.2%	0	0	0.0%
OATS	869	612	42.0%	945	1,083	-0.13	4,776	4,468	6.9%	5,742	5,693	0.9%
ROUGH RICE	454	29	1,465.5%	675	1,858	-0.64	8,601	2,198	291.3%	7,711	13,368	-42.3%
WHEAT	0	0	0.0%	0	0	0	997	0	0.0%	427	0	0.0%
LIVE CATTLE	40,253	75,050	-46.4%	183,859	227,537	-0.19	420,883	1,002,092	-58.0%	1,568,871	1,908,572	-17.8%
FEEDER CATTLE	5,242	5,390	-2.7%	35,941	33,901	0.06	32,933	34,050	-3.3%	242,817	241,597	0.5%
LEAN HOGS	41,991	32,716	28.4%	276,536	148,026	0.87	235,235	284,256	-17.2%	1,405,322	1,035,058	35.8%
LUMBER	5	0	0.0%	1,015	950	0.07	40	105	-61.9%	8,897	7,247	22.8%
MILK	14,160	13,040	8.6%	22,781	22,857	0	98,852	96,032	2.9%	188,009	124,365	51.2%
MLK MID	0	193	-100.0%	0	0	0	501	472	6.1%	0	0	0.0%
NFD MILK	1,040	1,243	-16.3%	1,998	1,068	0.87	11,817	17,642	-33.0%	20,874	9,242	125.9%
BUTTER CS	754	754	0.0%	1,420	95	13.95	7,972	8,103	-1.6%	3,497	1,669	109.5%
CLASS IV MILK	132	35	277.1%	1,631	1,274	0.28	2,335	1,950	19.7%	11,764	5,842	101.4%
DRY WHEY	2	121	-98.3%	69	18	2.83	2,325	751	209.6%	1,176	55	2,038.2%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
Commodities and Alternative Investments												
Options												
HDD WEATHER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CAT WEATHER EUROPEAN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOUSING INDEX	0	0	0.0%	10	0	0	0	0	0.0%	35	18	94.4%
CORN NEARBY+2 CAL SPRD	5,851	413	1,316.7%	0	5	-1	13,708	30,365	-54.9%	77	81	-4.9%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	0	0	0	460	351	31.1%	600	0	0.0%
WHEAT NEARBY+2 CAL SPRD	3,500	9,736	-64.1%	275	10	26.5	7,926	40,118	-80.2%	3,422	1,201	184.9%
JULY-DEC CORN CAL SPRD	0	1,600	-100.0%	0	0	0	17,402	36,534	-52.4%	0	175	-100.0%
DEC-JULY WHEAT CAL SPRD	225	100	125.0%	0	0	0	225	100	125.0%	0	0	0.0%
JULY-NOV SOYBEAN CAL SPR	0	30	-100.0%	0	0	0	69,340	60,439	14.7%	1,317	263	400.8%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0	1,414	33,174	-95.7%	200	145	37.9%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0	0	480	-100.0%	0	13	-100.0%
NOV-NOV SOYBEAN CAL SPR	0	2,121	-100.0%	0	0	0	121	2,847	-95.7%	0	0	0.0%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0	0	3,785	-100.0%	0	0	0.0%
LV CATL CSO	0	5	-100.0%	0	0	0	1,267	254	398.8%	0	0	0.0%
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	0	0	630	0	0.0%	10	0	0.0%
NOV-JULY SOYBEAN CAL SPR	520	0	0.0%	0	0	0	1,146	0	0.0%	0	0	0.0%
SOY OIL NEARBY+2 CAL SPRD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CASH-SETTLED CHEESE	3,098	7,363	-57.9%	3,487	1,390	1.51	30,001	39,067	-23.2%	25,386	18,817	34.9%
DEC-JULY CORN CAL SPRD	5,094	10,951	-53.5%	0	0	0	29,618	14,551	103.5%	0	0	0.0%
WHEAT-CORN ICSCO	70	2,600	-97.3%	0	0	0	5,335	8,832	-39.6%	6	0	0.0%
DEC-DEC CORN CAL SPRD	3,160	1,933	63.5%	2	10	-0.8	9,165	17,812	-48.5%	246	15	1,540.0%
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0	103	20	415.0%	0	0	0.0%
MAR-DEC CORN CAL SPRD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CHI WHEAT	152,261	180,769	-15.8%	535,937	403,244	0.33	1,317,810	1,511,106	-12.8%	4,370,898	3,603,702	21.3%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0	0	2,416	-100.0%	0	4	-100.0%
KC WHEAT	14,005	13,857	1.1%	40,094	16,804	1.39	133,159	139,188	-4.3%	286,258	138,800	106.2%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0	1,293	1,650	-21.6%	76	0	0.0%
AUG-DEC SOYBEAN MEAL CS	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%
Intercommodity Spread	0	0	0.0%	0	0	0	701	3,395	-79.4%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Commodities and Alternative Investments Options												
SEP-DEC SOYBEAN MEAL CSC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
Ags Futures												
FERTILIZER PRODUCTS	0	-	-	0	-	-	0	-	-	0	-	-
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	4,000	0	0	0	6	-100.0%	11,476	4	286,800.0%
TOTAL FUTURES GROUP												
Interest Rate Futures	646,881	585,058	10.6%	133,387,685	128,090,194	4.1%	6,304,609	6,080,285	3.7%	997,035,122	908,518,115	9.7%
Equity Index Futures	25,750	48,117	-46.5%	44,655,242	41,480,805	7.7%	530,055	858,579	-38.3%	328,570,399	405,333,987	-18.9%
Metals Futures	0	7,525	-100.0%	12,719,175	8,398,284	51.4%	0	91,867	-100.0%	80,245,281	66,748,851	20.2%
Energy Futures	0	1,078	-100.0%	54,611,984	40,194,185	35.9%	0	25,763	-100.0%	350,820,003	306,165,362	14.6%
FX Futures	1,571	1,413	11.2%	16,669,032	13,169,103	26.6%	15,426	12,722	21.3%	132,289,089	126,112,705	4.9%
Commodities and Alternative Inve	79,434	98,534	-19.4%	25,180,205	21,333,180	18.0%	651,594	906,038	-28.1%	188,059,329	184,960,142	1.7%
Ags Futures	0	-	-	0	-	-	0	-	-	0	-	-
Foreign Exchange Futures	0	0	0.0%	4,000	0	0.0%	0	6	-100.0%	11,476	4	286,800.0%
TOTAL FUTURES	753,636	741,725	1.6%	287,227,323	252,665,751	13.7%	7,501,684	7,975,260	-5.9%	2,077,030,699	1,997,839,166	4.0%

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CME Group Exchange Volume Comparison Report - Monthly

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TOTAL OPTIONS GROUP												
Equity Index Options	1,342,178	881,579	52.2%	15,336,855	11,011,777	39.3%	8,777,486	9,394,312	-6.6%	104,231,821	92,362,663	12.9%
Interest Rate Options	16,105,882	15,202,664	5.9%	23,363,703	12,805,495	82.5%	161,449,333	165,431,461	-2.4%	171,621,742	112,734,074	52.2%
Metals Options	0	51,186	-100.0%	940,916	562,386	67.3%	0	618,373	-100.0%	6,095,778	5,489,035	11.1%
Energy Options	0	9,229	-100.0%	4,026,560	4,227,237	-4.7%	0	264,158	-100.0%	34,712,181	28,337,731	22.5%
FX Options	7,333	14,874	-50.7%	1,943,811	1,126,220	72.6%	88,259	213,169	-58.6%	12,348,556	11,963,504	3.2%
Commodities and Alternative Inve	1,357,742	1,460,841	-7.1%	4,511,108	3,362,268	34.2%	11,275,719	14,797,014	-23.8%	32,253,323	31,890,458	1.1%
TOTAL OPTIONS	18,813,135	17,620,373	6.8%	50,122,953	33,095,383	51.4%	181,590,797	190,718,487	-4.8%	361,263,401	282,777,465	27.8%
TOTAL COMBINED												
Interest Rate	16,752,763	15,787,722	6.1%	156,751,388	140,895,689	11.3%	167,753,942	171,511,746	-2.2%	1,168,656,864	1,021,252,189	14.4%
Equity Index	1,367,928	929,696	47.1%	59,992,097	52,492,582	14.3%	9,307,541	10,252,891	-9.2%	432,802,220	497,696,650	-13.0%
Metals	0	58,711	-100.0%	13,660,091	8,960,670	52.4%	0	710,240	-100.0%	86,341,059	72,237,886	19.5%
Energy	0	10,307	-100.0%	58,638,544	44,421,422	32.0%	0	289,921	-100.0%	385,532,184	334,503,093	15.3%
FX	8,904	16,287	-45.3%	18,612,843	14,295,323	30.2%	103,685	225,891	-54.1%	144,637,645	138,076,209	4.8%
Commodities and Alternative Inve	1,437,176	1,559,375	-7.8%	29,691,313	24,695,448	20.2%	11,927,313	15,703,052	-24.0%	220,312,652	216,850,600	1.6%
Ags	0	-	-	0	-	-	0	-	-	0	-	-
Foreign Exchange	0	0	0.0%	4,000	0	0.0%	0	6	-100.0%	11,476	4	286,800.0%
GRAND TOTAL	19,566,771	18,362,098	6.6%	337,350,276	285,761,134	18.1%	189,092,481	198,693,747	-4.8%	2,438,294,100	2,280,616,631	6.9%

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