



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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	14,470	25,389	-43.0%	4,514,658	4,618,388	-0.02	127,785	143,697	-11.1%	40,339,268	39,155,482	3.0%
10-YR NOTE	106,488	127,961	-16.8%	23,661,932	22,417,030	0.06	908,764	1,063,148	-14.5%	208,354,789	193,469,818	7.7%
5-YR NOTE	12,834	18,013	-28.8%	12,034,803	10,403,509	0.16	164,857	200,402	-17.7%	122,450,126	105,388,554	16.2%
2-YR NOTE	190	293	-35.2%	4,409,113	4,479,640	-0.02	9,398	6,130	53.3%	47,258,165	42,643,274	10.8%
FED FUND	0	0	0.0%	2,753,557	2,212,137	0.24	30	0	0.0%	31,775,715	18,613,220	70.7%
EURODOLLARS	356,553	525,240	-32.1%	39,762,954	48,471,097	-0.18	4,446,871	4,081,816	8.9%	382,293,209	358,658,827	6.6%
5-YR SWAP RATE	0	0	0.0%	21,815	48,044	-0.55	0	0	0.0%	329,525	407,722	-19.2%
2-YR SWAP RATE	0	0	0.0%	0	2	-1	0	0	0.0%	0	4,411	-100.0%
10-YR SWAP RATE	0	0	0.0%	24,470	30,619	-0.2	0	0	0.0%	305,289	305,429	0.0%
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%	2,105	849	1.48	0	0	0.0%	40,134	9,230	334.8%
ULTRA T-BOND	15	5	200.0%	1,645,271	1,595,798	0.03	15	6	150.0%	16,385,469	14,814,189	10.6%
Ultra 10-Year Note	0	0	0.0%	1,810,751	1,203,906	0.5	8	28	-71.4%	14,106,507	6,942,344	103.2%
30-YR SWAP RATE	0	0	0.0%	123	1,296	-0.91	0	0	0.0%	9,241	12,369	-25.3%
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	313,735	302,809	3.6%	2,339,022	1,293,296	0.81	1,773,877	1,998,149	-11.2%	13,686,098	10,098,245	35.5%
10-YR NOTE	1,926,260	1,789,670	7.6%	8,180,309	4,942,855	0.65	15,345,278	16,689,616	-8.1%	56,094,090	36,520,634	53.6%
5-YR NOTE	336,982	513,516	-34.4%	1,577,987	971,391	0.62	3,909,117	4,748,114	-17.7%	13,605,143	9,349,718	45.5%
2-YR NOTE	21,597	12,575	71.7%	42,404	77,685	-0.45	185,977	308,009	-39.6%	434,094	659,828	-34.2%
FED FUND	0	2,970	-100.0%	0	3,743	-1	8,398	48,125	-82.5%	1,407	10,413	-86.5%
EURODOLLARS	3,960,773	12,363,910	-68.0%	2,698,879	3,192,430	-0.15	63,334,403	76,657,250	-17.4%	29,691,735	20,906,960	42.0%
EURO MIDCURVE	5,005,977	5,658,951	-11.5%	4,157,744	2,639,054	0.58	60,776,256	49,767,065	22.1%	34,727,157	22,352,490	55.4%
ULTRA T-BOND	811	1,947	-58.3%	872	5,162	-0.83	9,193	9,194	0.0%	11,480	28,796	-60.1%
Ultra 10-Year Note	0	2,000	-100.0%	38	840	-0.95	952	3,275	-70.9%	6,835	1,495	357.2%

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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%	2,128,156	2,588,004	-0.18	0	0	0.0%	19,577,982	25,698,158	-23.8%
E-MINI S&P500	0	0	0.0%	22,133,365	31,036,913	-0.29	0	0	0.0%	216,138,740	281,839,745	-23.3%
S&P 500	21,861	48,248	-54.7%	3,769	7,924	-0.52	504,305	810,462	-37.8%	31,683	79,080	-59.9%
S&P 600 SMALLCAP EMINI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
E-MINI MIDCAP	0	0	0.0%	238,414	295,634	-0.19	0	0	0.0%	2,546,980	3,099,040	-17.8%
S&P 400 MIDCAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
S&P 500 GROWTH	0	0	0.0%	6	8	-0.25	0	0	0.0%	144	163	-11.7%
S&P 500/VALUE	0	0	0.0%	9,684	562	16.23	0	0	0.0%	57,329	25,963	120.8%
E-MINI RUSSELL 2000	0	-	-	134,648	-	-	0	-	-	134,648	-	-
E-MINI RUSSELL 1000	0	0	0.0%	2,100	107	18.63	0	0	0.0%	9,009	3,717	142.4%
E-MINI NASDAQ 100	0	0	0.0%	5,460,087	3,798,745	0.44	0	0	0.0%	36,454,205	40,074,633	-9.0%
NASDAQ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	170,906	349,588	-0.51	0	0	0.0%	1,859,983	2,937,093	-36.7%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	663,953	1,108,723	-0.4	0	0	0.0%	6,368,306	9,529,397	-33.2%
DJ US REAL ESTATE	0	0	0.0%	11,695	6,968	0.68	0	0	0.0%	105,916	78,520	34.9%
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%	2,626	5,467	-0.52	0	0	0.0%	43,932	53,251	-17.5%
S&P HEALTH CARE SECTOR	0	0	0.0%	3,728	5,823	-0.36	0	0	0.0%	64,274	54,574	17.8%
S&P TECHNOLOGY SECTOR	0	0	0.0%	3,344	3,430	-0.03	0	0	0.0%	32,695	33,725	-3.1%
S&P INDUSTRIAL SECTOR	0	0	0.0%	2,307	2,785	-0.17	0	0	0.0%	26,081	20,225	29.0%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	2,992	5,496	-0.46	0	0	0.0%	28,198	34,512	-18.3%
S&P UTILITIES SECTOR	0	0	0.0%	3,724	13,178	-0.72	0	0	0.0%	97,788	82,155	19.0%
S&P FINANCIAL SECTOR	0	0	0.0%	10,510	3,798	1.77	0	0	0.0%	101,321	46,621	117.3%
S&P ENERGY SECTOR	0	0	0.0%	7,718	6,527	0.18	0	0	0.0%	71,389	56,342	26.7%
S&P MATERIALS SECTOR	0	0	0.0%	2,852	4,838	-0.41	0	0	0.0%	39,730	29,560	34.4%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,609	114	13.11	0	0	0.0%	6,835	2,276	200.3%
FT-SE 100	0	0	0.0%	2,529	1,945	0.3	0	0	0.0%	12,794	12,693	0.8%
IBOVESPA INDEX	0	0	0.0%	152	382	-0.6	0	0	0.0%	4,168	4,663	-10.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,063	139	13.84	0	0	0.0%	12,702	3,775	236.5%
NIFTY 50	0	0	0.0%	15,006	5,428	1.76	0	0	0.0%	68,775	53,301	29.0%
E-MINI S&P REAL ESTATE SEL	0	-	-	1,270	-	-	0	-	-	19,550	-	-

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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%	5,933	6,917	-0.14	0	0	0.0%	36,025	93,165	-61.3%
E-MINI S&P500	0	0	0.0%	2,337,042	2,046,984	0.14	1,935	110,315	-98.2%	27,410,252	38,705,778	-29.2%
S&P 500	147,927	144,025	2.7%	0	0	0	2,057,944	4,430,950	-53.6%	0	0	0.0%
E-MINI MIDCAP	0	0	0.0%	0	1	-1	0	0	0.0%	0	10	-100.0%
E-MINI RUSSELL 2000	0	-	-	2,188	-	-	0	-	-	2,188	-	-
E-MINI NASDAQ 100	0	0	0.0%	276,966	147,233	0.88	0	0	0.0%	1,456,092	1,570,714	-7.3%
NASDAQ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EOM S&P 500	163,904	278,989	-41.3%	0	0	0	1,203,986	1,251,252	-3.8%	0	0	0.0%
EOM EMINI S&P	0	0	0.0%	1,351,158	1,984,780	-0.32	0	0	0.0%	13,801,619	10,974,698	25.8%
EOW1 S&P 500	126,069	55,592	126.8%	0	0	0	604,745	384,851	57.1%	0	0	0.0%
EOW1 EMINI S&P 500	0	0	0.0%	911,791	814,044	0.12	0	0	0.0%	7,794,272	6,499,409	19.9%
EOW2 S&P 500	159,598	110,629	44.3%	0	0	0	1,127,436	886,476	27.2%	0	0	0.0%
EOW2 EMINI S&P 500	0	0	0.0%	835,882	752,439	0.11	0	0	0.0%	7,619,016	6,834,181	11.5%
EOW4 EMINI S&P 500	0	0	0.0%	801,966	1,108,737	-0.28	0	0	0.0%	6,298,131	7,608,849	-17.2%
EOW3 S&P 500	386,535	461,051	-16.2%	0	0	0	2,439,262	1,421,889	71.6%	0	0	0.0%
EOW3 EMINI S&P 500	0	0	0.0%	2,958,456	3,826,861	-0.23	0	27,000	-100.0%	24,474,610	9,064,082	170.0%
EOM3 E-MINI S&P 500 END OF	0	-	-	2,761	-	-	0	-	-	2,761	-	-

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Metals Futures												
COMEX GOLD	0	6,373	-100.0%	5,735,118	5,501,510	0.04	0	75,478	-100.0%	36,959,202	32,902,702	12.3%
COMEX MINY COPPER	0	0	0.0%	370	334	0.11	0	0	0.0%	5,479	4,116	33.1%
COMEX SILVER	0	470	-100.0%	1,787,910	1,431,615	0.25	0	7,913	-100.0%	12,633,844	10,023,780	26.0%
COMEX COPPER	0	396	-100.0%	1,732,299	1,492,309	0.16	0	850	-100.0%	13,851,951	11,738,337	18.0%
NYMEX HOT ROLLED STEEL	0	0	0.0%	634	11	56.64	0	0	0.0%	1,902	3,499	-45.6%
NYMEX PLATINUM	0	0	0.0%	310,600	266,683	0.16	0	38	-100.0%	2,553,611	2,082,933	22.6%
URANIUM	0	0	0.0%	0	0	0	0	0	0.0%	427	993	-57.0%
PALLADIUM	0	0	0.0%	78,393	96,252	-0.19	0	63	-100.0%	800,771	725,618	10.4%
E-MICRO GOLD	0	0	0.0%	81,456	97,398	-0.16	0	0	0.0%	606,072	667,510	-9.2%
GOLD	0	-	-	1	-		0	-	-	1	-	-
ALUMINUM	0	0	0.0%	376	856	-0.56	0	0	0.0%	4,369	8,021	-45.5%
COPPER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SILVER	0	0	0.0%	5,431	12,077	-0.55	0	0	0.0%	36,817	59,210	-37.8%
Gold Kilo	0	0	0.0%	258	3,717	-0.93	0	0	0.0%	2,535	35,938	-92.9%
COMEX E-Mini SILVER	0	0	0.0%	915	2,179	-0.58	0	0	0.0%	6,399	8,560	-25.2%
COMEX E-Mini GOLD	0	0	0.0%	7,215	15,804	-0.54	0	0	0.0%	59,088	80,676	-26.8%
Aluminium MW Trans Prem Platts	0	0	0.0%	226	221	0.02	0	0	0.0%	1,420	4,488	-68.4%
LNDN ZINC	0	0	0.0%	0	35	-1	0	0	0.0%	85	186	-54.3%
METALS	0	0	0.0%	0	0	0	0	0	0.0%	0	5	-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%	158	585	-0.73	0	0	0.0%	2,098	3,995	-47.5%
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	39,237	-100.0%	658,169	403,940	0.63	0	507,495	-100.0%	4,316,994	4,202,536	2.7%
COMEX SILVER	0	7,693	-100.0%	118,204	118,975	-0.01	0	55,721	-100.0%	718,790	677,540	6.1%
COMEX COPPER	0	90	-100.0%	5,989	3,201	0.87	0	1,073	-100.0%	25,910	14,945	73.4%
NYMEX PLATINUM	0	5	-100.0%	1,678	549	2.06	0	2,010	-100.0%	6,652	4,050	64.2%
PALLADIUM	0	0	0.0%	1,166	472	1.47	0	272	-100.0%	6,957	1,474	372.0%
GOLD	0	60	-100.0%	9,926	4,626	1.15	0	616	-100.0%	78,189	25,875	202.2%
COPPER	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SILVER	0	0	0.0%	55	196	-0.72	0	0	0.0%	1,370	229	498.3%
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%	6,524	14,057	-0.54	0	0	0.0%	102,939	101,035	1.9%
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	243	-1	0	0	0.0%	0	243	-100.0%
NORTHWEST ROCKIES BASIS	0	0	0.0%	0	186	-1	0	0	0.0%	0	308	-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%	33,126	24,445	0.36	0	800	-100.0%	255,475	94,521	170.3%
HTG OIL	0	36	-100.0%	0	0	0	0	36	-100.0%	84	0	0.0%
LTD NAT GAS	0	0	0.0%	118,378	43,613	1.71	0	0	0.0%	834,426	496,831	67.9%
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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	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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												
PANHANDLE PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	300	-100.0%	1,410,009	1,617,387	-0.13	0	344	-100.0%	13,629,912	14,084,432	-3.2%
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 JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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 JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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	17	-100.0%	3,405,108	2,827,583	0.2	0	703	-100.0%	22,666,226	20,755,993	9.2%
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%	4	21	-0.81	0	0	0.0%	18	72	-75.0%
WAHA BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY NATURAL GAS	0	0	0.0%	16,566	24,762	-0.33	0	0	0.0%	184,590	174,111	6.0%
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 JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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	0	0	0	0	0.0%	0	0	0.0%
HENRY HUB FINANCIAL LAST	0	-	-	151	-		0	-	-	151	-	-
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

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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	39	-100.0%	3,766,073	3,166,827	0.19	0	460	-100.0%	27,073,209	24,333,643	11.3%
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%	254,223	215,615	0.18	0	0	0.0%	1,815,186	2,045,808	-11.3%
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	28	-100.0%	7,302,983	6,571,658	0.11	0	1,511	-100.0%	58,613,942	50,691,969	15.6%
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	359	-100.0%	27,094,330	18,345,524	0.48	0	18,159	-100.0%	170,939,823	150,385,266	13.7%
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%	136	1,790	-0.92	0	0	0.0%	1,525	9,165	-83.4%
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	-	-	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 JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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%	3	3	0	0	0	0.0%	31	27	14.8%
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	15	-100.0%	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	62	-1	0	0	0.0%	0	244	-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	152	-1	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	31	-1	0	0	0.0%	0	61	-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

	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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												
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%
DEMARCO 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%	0	0	0	0	0	0.0%	205	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%	7	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 JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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	186	-1	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%	244	153,919	-1	0	1,472	-100.0%	59,903	1,342,408	-95.5%
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 JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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	677	-100.0%	12,343	4,018	2.07	0	9,897	-100.0%	37,053	7,421	399.3%
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	911	-100.0%	3,985	5,719	-0.3	0	5,701	-100.0%	35,118	49,941	-29.7%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB PHY	0	245	-100.0%	4,876	4,942	-0.01	0	7,754	-100.0%	40,330	55,380	-27.2%
NATURAL GAS PHY	0	1,716	-100.0%	1,127,902	827,495	0.36	0	18,519	-100.0%	8,185,410	4,325,373	89.2%
CRUDE OIL APO	0	550	-100.0%	0	0	0	0	7,087	-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

	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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 Options												
NATURAL GAS 1 M CSO FIN	0	0	0.0%	795	0	0	0	200	-100.0%	995	0	0.0%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0	0	0	0.0%	0	16,826	-100.0%
CRUDE OIL PHY	0	5,028	-100.0%	2,853,093	2,669,418	0.07	0	203,578	-100.0%	22,254,336	19,235,515	15.7%
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	170	-100.0%	24	0	0	0	1,293	-100.0%	413	6	6,783.3%
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%	600	0	0	0	0	0.0%	5,620	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%	17,425	128,821	-0.86	0	100	-100.0%	126,284	420,022	-69.9%
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	2	-1	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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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	11	60	-81.7%	1,924,173	1,739,906	0.11	1,506	749	101.1%	13,132,033	14,875,590	-11.7%
BRITISH POUND	0	12	-100.0%	1,989,079	2,333,130	-0.15	248	705	-64.8%	16,959,601	16,700,310	1.6%
BRAZIL REAL	0	0	0.0%	48,203	28,446	0.69	0	0	0.0%	343,628	337,891	1.7%
CANADIAN DOLLAR	2	0	0.0%	1,595,262	1,238,653	0.29	2,036	744	173.7%	10,737,519	10,870,510	-1.2%
E-MINI EURO FX	0	0	0.0%	83,746	61,158	0.37	0	0	0.0%	632,021	575,539	9.8%
EURO FX	28	522	-94.6%	4,433,824	2,723,147	0.63	2,266	6,320	-64.1%	30,840,492	28,565,503	8.0%
E-MINI JAPANESE YEN	0	0	0.0%	31,403	33,583	-0.06	0	0	0.0%	246,260	249,122	-1.1%
JAPANESE YEN	0	147	-100.0%	2,805,975	2,629,425	0.07	7,794	2,785	179.9%	23,450,694	21,641,970	8.4%
MEXICAN PESO	0	0	0.0%	711,791	835,046	-0.15	5	0	0.0%	7,009,864	7,586,727	-7.6%
NEW ZEALND DOLLAR	0	0	0.0%	439,944	405,442	0.09	0	0	0.0%	3,404,004	3,129,668	8.8%
NKR/USD CROSS RATE	0	0	0.0%	1,999	649	2.08	0	0	0.0%	12,446	9,990	24.6%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Futures												
RUSSIAN RUBLE	0	0	0.0%	28,570	16,919	0.69	0	0	0.0%	245,319	194,195	26.3%
S.AFRICAN RAND	0	0	0.0%	49,490	11,609	3.26	0	0	0.0%	292,292	99,533	193.7%
SWISS FRANC	0	0	0.0%	601,839	326,942	0.84	0	0	0.0%	3,703,095	3,254,027	13.8%
AD/CD CROSS RATES	0	0	0.0%	3	0	0	0	0	0.0%	29	37	-21.6%
AD/JY CROSS RATES	0	0	0.0%	2,285	2,324	-0.02	0	0	0.0%	15,490	29,773	-48.0%
AD/NE CROSS RATES	0	0	0.0%	109	55	0.98	0	0	0.0%	619	594	4.2%
BP/JY CROSS RATES	0	0	0.0%	2,110	3,528	-0.4	0	0	0.0%	17,934	12,926	38.7%
BP/SF CROSS RATES	0	0	0.0%	53	182	-0.71	0	0	0.0%	597	309	93.2%
CD/JY CROSS RATES	0	0	0.0%	66	1	65	0	0	0.0%	502	10	4,920.0%
EC/AD CROSS RATES	0	0	0.0%	1,197	682	0.76	0	0	0.0%	17,663	11,681	51.2%
EC/CD CROSS RATES	0	0	0.0%	3,442	1,387	1.48	0	0	0.0%	28,521	16,542	72.4%
EC/NOK CROSS RATES	0	0	0.0%	160	0	0	0	0	0.0%	444	7	6,242.9%
EC/SEK CROSS RATES	0	0	0.0%	755	21	34.95	0	0	0.0%	2,600	460	465.2%
EFX/BP CROSS RATES	0	0	0.0%	50,331	35,235	0.43	0	0	0.0%	442,276	513,043	-13.8%
EFX/JY CROSS RATES	0	0	0.0%	56,116	26,976	1.08	0	0	0.0%	416,250	287,423	44.8%
EFX/SF CROSS RATES	0	0	0.0%	41,212	12,391	2.33	0	0	0.0%	227,897	225,711	1.0%
SF/JY CROSS RATES	0	-	-	0	-		0	-	-	0	-	-
SKR/USD CROSS RATES	0	0	0.0%	1,195	929	0.29	0	0	0.0%	13,532	10,181	32.9%
HUNGARIAN FORINT (US)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
POLISH ZLOTY (US)	0	0	0.0%	114	301	-0.62	0	0	0.0%	797	2,692	-70.4%
POLISH ZLOTY (EC)	0	0	0.0%	30	1	29	0	0	0.0%	353	4,592	-92.3%
SHEKEL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
RMB USD	0	0	0.0%	18	37	-0.51	0	6	-100.0%	202	1,648	-87.7%
KOREAN WON	0	0	0.0%	6	2	2	0	0	0.0%	129	118	9.3%
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%	176,724	244,931	-0.28	0	0	0.0%	1,749,607	2,091,176	-16.3%
E-MICRO GBP/USD	0	0	0.0%	31,778	118,706	-0.73	0	0	0.0%	423,106	504,419	-16.1%
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%	99,803	125,054	-0.2	0	0	0.0%	576,948	667,951	-13.6%
MICRO CHF/USD	0	0	0.0%	836	895	-0.07	0	0	0.0%	6,513	14,271	-54.4%
E-MICRO JPY/USD	0	0	0.0%	26,367	37,559	-0.3	0	0	0.0%	296,794	206,006	44.1%

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FX Futures												
E-MICRO INR/USD	0	0	0.0%	2,833	2,510	0.13	0	0	0.0%	18,209	11,297	61.2%
FCXR	0	0	0.0%	0	127	-1	0	0	0.0%	6,243	410	1,422.7%
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%	685	659	0.04	0	0	0.0%	9,676	10,022	-3.5%
E-MICRO CAD/USD	0	0	0.0%	25,429	21,611	0.18	0	0	0.0%	126,303	143,217	-11.8%
INDIAN RUPEE	0	0	0.0%	23,573	9,985	1.36	0	0	0.0%	211,543	86,417	144.8%
USDZAR	0	0	0.0%	0	2	-1	0	0	0.0%	0	6	-100.0%
FX Options												
AUSTRALIAN DOLLAR	0	773	-100.0%	0	104,621	-1	2,674	6,579	-59.4%	200,250	976,062	-79.5%
BRITISH POUND	0	1,086	-100.0%	0	180,743	-1	693	25,945	-97.3%	462,114	1,422,287	-67.5%
CANADIAN DOLLAR	0	309	-100.0%	0	112,557	-1	4,597	23,016	-80.0%	183,080	1,037,240	-82.3%
EURO FX	0	4,140	-100.0%	0	469,004	-1	8,535	88,070	-90.3%	1,287,538	5,129,917	-74.9%
JAPANESE YEN	0	6,136	-100.0%	0	312,754	-1	8,468	53,648	-84.2%	544,469	2,160,925	-74.8%
MEXICAN PESO	0	32	-100.0%	448	2,727	-0.84	749	765	-2.1%	20,136	16,475	22.2%
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 FRANC	0	25	-100.0%	0	5,960	-1	0	272	-100.0%	5,710	48,990	-88.3%
JAPANESE YEN (EU)	0	0	0.0%	40	909	-0.96	0	0	0.0%	180	5,803	-96.9%
EURO FX (EU)	0	0	0.0%	13	3,891	-1	0	0	0.0%	346	27,727	-98.8%
SWISS FRANC (EU)	0	-	-	0	-	-	0	-	-	14	-	-
CANADIAN DOLLAR (EU)	0	0	0.0%	12	110	-0.89	0	0	0.0%	98	1,768	-94.5%
BRITISH POUND (EU)	0	0	0.0%	278	1,329	-0.79	0	0	0.0%	1,322	8,966	-85.3%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	80	-1	0	0	0.0%	2	1,124	-99.8%
EUR/USD PQO 2pm Fix	2,029	-	-	857,786	-	-	18,791	-	-	3,488,606	-	-
CAD/USD PQO 2pm Fix	142	-	-	230,999	-	-	2,468	-	-	795,735	-	-
JPY/USD PQO 2pm Fix	770	-	-	298,055	-	-	27,306	-	-	1,592,950	-	-
AUD/USD PQO 2pm Fix	1,000	-	-	191,720	-	-	4,175	-	-	671,383	-	-
GBP/USD PQO 2pm Fix	36	-	-	192,781	-	-	2,470	-	-	1,135,126	-	-
CHF/USD PQO 2pm Fix	0	-	-	3,423	-	-	0	-	-	15,686	-	-

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Commodities and Alternative Investments												
Futures												
CORN	45,106	65,260	-30.9%	8,312,690	6,030,054	0.38	251,063	333,751	-24.8%	53,598,369	53,769,592	-0.3%
SOYBEAN	14,584	34,679	-57.9%	5,089,996	4,591,154	0.11	95,513	234,349	-59.2%	30,184,878	38,322,500	-21.2%
SOYBEAN MEAL	3,296	5,629	-41.4%	2,273,902	1,960,279	0.16	15,756	34,705	-54.6%	14,441,817	15,543,627	-7.1%
SOYBEAN OIL	2,213	2,471	-10.4%	2,406,188	2,106,104	0.14	27,001	28,465	-5.1%	16,665,696	16,314,251	2.2%
OATS	0	10	-100.0%	9,712	11,107	-0.13	80	10	700.0%	97,422	134,407	-27.5%
ROUGH RICE	0	0	0.0%	9,211	10,380	-0.11	0	0	0.0%	149,266	167,190	-10.7%
WHEAT	0	-	-	23,789	-	-	0	-	-	110,541	-	-
MINI CORN	0	0	0.0%	12,650	10,884	0.16	0	0	0.0%	73,885	88,600	-16.6%
MINI SOYBEAN	0	0	0.0%	23,732	18,434	0.29	0	0	0.0%	118,769	175,713	-32.4%
MINI WHEAT	0	0	0.0%	8,531	7,914	0.08	0	0	0.0%	45,076	45,286	-0.5%
LIVE CATTLE	2,566	1,816	41.3%	1,478,927	1,068,616	0.38	30,338	25,034	21.2%	9,868,709	7,407,911	33.2%
FEEDER CATTLE	0	5	-100.0%	300,055	191,521	0.57	423	172	145.9%	1,985,558	1,396,824	42.1%
LEAN HOGS	4,269	2,348	81.8%	968,972	823,316	0.18	18,759	14,476	29.6%	6,310,260	5,166,387	22.1%
LUMBER	0	0	0.0%	14,202	10,769	0.32	0	0	0.0%	113,742	100,487	13.2%
MILK	133	22	504.5%	25,413	17,769	0.43	791	323	144.9%	189,981	172,200	10.3%
MLK MID	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NFD MILK	0	0	0.0%	2,733	2,980	-0.08	0	0	0.0%	33,699	34,722	-2.9%
BUTTER CS	0	0	0.0%	2,801	1,995	0.4	0	0	0.0%	20,488	20,255	1.2%
CLASS IV MILK	0	0	0.0%	525	1,025	-0.49	61	0	0.0%	7,473	6,921	8.0%
DRY WHEY	0	0	0.0%	835	755	0.11	0	0	0.0%	13,728	7,789	76.2%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	33	-1	0	0	0.0%	702	819	-14.3%
GOLDMAN SACHS	0	0	0.0%	35,933	27,325	0.32	0	0	0.0%	242,667	190,165	27.6%
HDD WEATHER	0	0	0.0%	0	0	0	0	0	0.0%	50	78	-35.9%
CDD WEATHER	0	0	0.0%	0	150	-1	0	0	0.0%	25	350	-92.9%
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%	6	9	-0.33	0	0	0.0%	82	63	30.2%
DOW-UBS COMMOD INDEX	0	0	0.0%	46,717	15,988	1.92	0	0	0.0%	488,308	225,163	116.9%
COTTON	0	0	0.0%	0	124	-1	0	0	0.0%	15	470	-96.8%
COCOA TAS	0	0	0.0%	0	182	-1	0	0	0.0%	81	1,517	-94.7%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2017	Open Outcry JUL 2016	% CHG	ELEC JUL 2017	ELEC JUL 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	137	-70.8%
SUGAR 11	0	0	0.0%	5	54	-0.91	0	0	0.0%	37	378	-90.2%
USD CRUDE PALM OIL	0	-	-	0	-		0	-	-	0	-	-
CASH-SETTLED CHEESE	0	0	0.0%	7,694	5,849	0.32	0	0	0.0%	67,936	75,758	-10.3%
FERTILIZER PRODUCS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHI WHEAT	14,836	15,539	-4.5%	3,085,913	2,319,289	0.33	123,485	125,651	-1.7%	20,669,778	18,881,395	9.5%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
KC WHEAT	572	1,145	-50.0%	989,957	649,706	0.52	8,890	10,568	-15.9%	7,379,996	5,375,857	37.3%
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	907,761	984,966	-7.8%	2,381,938	1,727,138	0.38	4,552,973	5,601,638	-18.7%	11,105,987	10,015,568	10.9%
SOYBEAN	381,983	579,704	-34.1%	1,783,820	1,657,886	0.08	2,171,494	3,541,082	-38.7%	8,020,306	10,488,428	-23.5%
SOYBEAN MEAL	72,058	68,382	5.4%	163,481	116,525	0.4	409,132	485,271	-15.7%	920,828	1,051,596	-12.4%
SOYBEAN OIL	43,951	84,462	-48.0%	69,037	79,314	-0.13	608,463	665,772	-8.6%	648,131	716,786	-9.6%
SOYBEAN CRUSH	55	57	-3.5%	0	0	0	510	4,463	-88.6%	0	0	0.0%
OATS	740	795	-6.9%	607	699	-0.13	3,907	3,856	1.3%	4,797	4,610	4.1%
ROUGH RICE	1,022	70	1,360.0%	770	1,419	-0.46	8,147	2,169	275.6%	7,036	11,510	-38.9%
WHEAT	0	0	0.0%	0	0	0	997	0	0.0%	427	0	0.0%
LIVE CATTLE	30,116	58,134	-48.2%	148,891	198,609	-0.25	380,630	927,042	-58.9%	1,385,012	1,681,035	-17.6%
FEEDER CATTLE	4,429	4,636	-4.5%	18,833	27,148	-0.31	27,691	28,660	-3.4%	206,876	207,696	-0.4%
LEAN HOGS	28,485	45,811	-37.8%	160,586	168,485	-0.05	193,244	251,540	-23.2%	1,128,786	887,032	27.3%
LUMBER	5	10	-50.0%	739	880	-0.16	35	105	-66.7%	7,882	6,297	25.2%
MILK	10,384	7,970	30.3%	22,731	15,789	0.44	84,692	82,992	2.0%	165,228	101,508	62.8%
MLK MID	16	60	-73.3%	0	0	0	501	279	79.6%	0	0	0.0%
NFD MILK	601	693	-13.3%	1,733	864	1.01	10,777	16,399	-34.3%	18,876	8,174	130.9%
BUTTER CS	1,424	778	83.0%	362	247	0.47	7,218	7,349	-1.8%	2,077	1,574	32.0%
CLASS IV MILK	79	1,012	-92.2%	863	1,692	-0.49	2,203	1,915	15.0%	10,133	4,568	121.8%
DRY WHEY	603	20	2,915.0%	354	18	18.67	2,323	630	268.7%	1,107	37	2,891.9%

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CME Group Exchange Volume Comparison Report - Monthly

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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%	0	0	0	0	0	0.0%	25	18	38.9%
CORN NEARBY+2 CAL SPRD	1,040	2,770	-62.5%	0	0	0	7,857	29,952	-73.8%	77	76	1.3%
SOYBN NEARBY+2 CAL SPRD	0	1	-100.0%	0	0	0	460	351	31.1%	600	0	0.0%
WHEAT NEARBY+2 CAL SPRD	400	5,417	-92.6%	200	2	99	4,426	30,382	-85.4%	3,147	1,191	164.2%
JULY-DEC CORN CAL SPRD	0	0	0.0%	0	0	0	17,402	34,934	-50.2%	0	175	-100.0%
DEC-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JULY-NOV SOYBEAN CAL SPR	0	30	-100.0%	0	0	0	69,340	60,409	14.8%	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	42	165	-74.5%	0	0	0	121	726	-83.3%	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	10	0	0.0%	0	0	0	1,267	249	408.8%	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	1	0	0.0%	0	0	0	626	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	2,809	5,035	-44.2%	2,752	1,081	1.55	26,903	31,704	-15.1%	21,899	17,427	25.7%
DEC-JULY CORN CAL SPRD	6,704	3,400	97.2%	0	0	0	24,524	3,600	581.2%	0	0	0.0%
WHEAT-CORN ICSCO	60	140	-57.1%	0	0	0	5,265	6,232	-15.5%	6	0	0.0%
DEC-DEC CORN CAL SPRD	530	4,682	-88.7%	57	0	0	6,005	15,879	-62.2%	244	5	4,780.0%
AUG-NOV SOYBEAN CAL SPR	50	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	196,826	154,673	27.3%	642,619	312,535	1.06	1,165,549	1,330,337	-12.4%	3,834,961	3,200,458	19.8%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0	0	2,416	-100.0%	0	4	-100.0%
KC WHEAT	19,020	9,159	107.7%	34,590	15,962	1.17	119,154	125,331	-4.9%	246,164	121,996	101.8%
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 PRODUCS	0	-	-	0	-	-	0	-	-	0	-	-
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	2,994	0	0	0	6	-100.0%	7,476	4	186,800.0%
TOTAL FUTURES GROUP												
Interest Rate Futures	490,550	696,901	-29.6%	90,641,552	95,482,315	-5.1%	5,657,728	5,495,227	3.0%	863,647,437	780,427,921	10.7%
Equity Index Futures	21,861	48,248	-54.7%	31,019,213	39,252,526	-21.0%	504,305	810,462	-37.8%	283,915,157	363,853,182	-22.0%
Metals Futures	0	7,239	-100.0%	9,741,360	8,921,586	9.2%	0	84,342	-100.0%	67,526,106	58,350,567	15.7%
Energy Futures	0	794	-100.0%	43,411,292	33,019,574	31.5%	0	24,685	-100.0%	296,208,019	265,971,177	11.4%
FX Futures	41	741	-94.5%	15,292,528	13,030,146	17.4%	13,855	11,309	22.5%	115,620,057	112,943,602	2.4%
Commodities and Alternative Inve	87,575	128,924	-32.1%	25,131,089	19,883,771	26.4%	572,160	807,504	-29.1%	162,879,124	163,626,962	-0.5%
Ags Futures	0	-	-	0	-	-	0	-	-	0	-	-
Foreign Exchange Futures	0	0	0.0%	2,994	0	0.0%	0	6	-100.0%	7,476	4	186,800.0%
TOTAL FUTURES	600,027	882,847	-32.0%	215,240,028	209,589,918	2.7%	6,748,048	7,233,535	-6.7%	1,789,803,376	1,745,173,415	2.6%

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TOTAL OPTIONS GROUP												
Equity Index Options	984,033	1,050,286	-6.3%	9,484,143	10,687,996	-11.3%	7,435,308	8,512,733	-12.7%	88,894,966	81,350,886	9.3%
Interest Rate Options	11,566,135	20,648,348	-44.0%	18,997,255	13,126,456	44.7%	145,343,451	150,228,797	-3.3%	148,258,039	99,928,579	48.4%
Metals Options	0	47,085	-100.0%	795,187	531,959	49.5%	0	567,187	-100.0%	5,154,862	4,926,649	4.6%
Energy Options	0	9,297	-100.0%	4,021,043	3,640,415	10.5%	0	254,929	-100.0%	30,685,621	24,110,494	27.3%
FX Options	3,977	12,501	-68.2%	1,775,555	1,194,685	48.6%	80,926	198,295	-59.2%	10,404,745	10,837,284	-4.0%
Commodities and Alternative Inve	1,711,204	2,023,032	-15.4%	5,434,963	4,326,293	25.6%	9,917,977	13,336,173	-25.6%	27,742,215	28,528,190	-2.8%
TOTAL OPTIONS	14,265,349	23,790,549	-40.0%	40,508,146	33,507,804	20.9%	162,777,662	173,098,114	-6.0%	311,140,448	249,682,082	24.6%
TOTAL COMBINED												
Interest Rate	12,056,685	21,345,249	-43.5%	109,638,807	108,608,771	0.9%	151,001,179	155,724,024	-3.0%	1,011,905,476	880,356,500	14.9%
Equity Index	1,005,894	1,098,534	-8.4%	40,503,356	49,940,522	-18.9%	7,939,613	9,323,195	-14.8%	372,810,123	445,204,068	-16.3%
Metals	0	54,324	-100.0%	10,536,547	9,453,545	11.5%	0	651,529	-100.0%	72,680,968	63,277,216	14.9%
Energy	0	10,091	-100.0%	47,432,335	36,659,989	29.4%	0	279,614	-100.0%	326,893,640	290,081,671	12.7%
FX	4,018	13,242	-69.7%	17,068,083	14,224,831	20.0%	94,781	209,604	-54.8%	126,024,802	123,780,886	1.8%
Commodities and Alternative Inve	1,798,779	2,151,956	-16.4%	30,566,052	24,210,064	26.3%	10,490,137	14,143,677	-25.8%	190,621,339	192,155,152	-0.8%
Ags	0	-	-	0	-	-	0	-	-	0	-	-
Foreign Exchange	0	0	0.0%	2,994	0	0.0%	0	6	-100.0%	7,476	4	186,800.0%
GRAND TOTAL	14,865,376	24,673,396	-39.8%	255,748,174	243,097,722	5.2%	169,525,710	180,331,649	-6.0%	2,100,943,824	1,994,855,497	5.3%

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