



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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	12,855	19,505	-34.1%	5,536,559	4,932,431	0.12	167,684	199,311	-15.9%	58,691,259	55,738,326	5.3%
10-YR NOTE	125,903	100,381	25.4%	27,741,687	22,222,540	0.25	1,273,467	1,383,582	-8.0%	300,792,690	272,721,002	10.3%
5-YR NOTE	20,873	27,677	-24.6%	14,310,343	10,912,212	0.31	217,838	286,250	-23.9%	174,382,682	150,240,779	16.1%
2-YR NOTE	1,245	1,010	23.3%	6,217,267	5,145,205	0.21	16,890	9,103	85.5%	69,979,446	61,584,066	13.6%
FED FUND	0	225	-100.0%	2,926,454	2,270,364	0.29	30	225	-86.7%	41,869,427	27,697,916	51.2%
EURODOLLARS	805,345	406,790	98.0%	50,635,232	41,410,245	0.22	6,347,189	5,316,332	19.4%	529,982,361	497,283,263	6.6%
5-YR SWAP RATE	0	0	0.0%	28,117	37,472	-0.25	0	0	0.0%	441,246	566,834	-22.2%
2-YR SWAP RATE	0	0	0.0%	0	0	0	0	0	0.0%	0	4,414	-100.0%
10-YR SWAP RATE	0	0	0.0%	31,887	33,041	-0.03	0	0	0.0%	433,592	449,862	-3.6%
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%	2,091	391	4.35	0	0	0.0%	47,355	10,712	342.1%
ULTRA T-BOND	0	371	-100.0%	2,181,422	1,565,729	0.39	15	497	-97.0%	24,778,408	21,154,561	17.1%
Ultra 10-Year Note	0	0	0.0%	2,253,390	1,272,000	0.77	8	28	-71.4%	21,842,622	11,434,190	91.0%
30-YR SWAP RATE	0	0	0.0%	172	876	-0.8	0	0	0.0%	10,250	16,550	-38.1%
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	231,867	363,451	-36.2%	2,034,755	1,333,267	0.53	2,600,957	2,971,850	-12.5%	20,461,675	14,346,441	42.6%
10-YR NOTE	2,102,071	1,679,614	25.2%	10,549,751	4,840,895	1.18	22,201,926	22,141,718	0.3%	86,330,061	51,702,151	67.0%
5-YR NOTE	512,806	428,893	19.6%	2,356,779	866,826	1.72	5,462,214	6,271,855	-12.9%	19,827,494	12,758,124	55.4%
2-YR NOTE	61,017	69,735	-12.5%	177,997	48,123	2.7	636,589	441,876	44.1%	1,100,687	1,011,460	8.8%
FED FUND	1,000	2,350	-57.4%	10	10	0	15,398	70,351	-78.1%	1,417	13,319	-89.4%
EURODOLLARS	7,772,111	6,429,982	20.9%	3,471,967	2,316,002	0.5	82,939,316	100,866,717	-17.8%	39,377,920	29,160,616	35.0%
EURO MIDCURVE	11,478,636	5,057,832	126.9%	8,437,344	2,152,778	2.92	88,227,561	63,486,778	39.0%	57,093,404	28,464,848	100.6%
ULTRA T-BOND	166	7,682	-97.8%	3,824	6,452	-0.41	10,956	26,096	-58.0%	19,605	47,951	-59.1%
Ultra 10-Year Note	700	3,900	-82.1%	0	2,320	-1	1,652	9,475	-82.6%	6,835	17,816	-61.6%

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Equity Index Futures												
DJIA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
E-MINI S&P500	0	0	0.0%	24,289,311	32,449,166	-0.25	0	0	0.0%	306,201,773	397,271,642	-22.9%
S&P 500	11,070	35,316	-68.7%	4,715	5,535	-0.15	676,179	1,113,843	-39.3%	43,881	99,334	-55.8%
S&P 600 SMALLCAP EMINI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
E-MINI MIDCAP	0	0	0.0%	224,115	327,545	-0.32	0	0	0.0%	3,482,528	4,326,961	-19.5%
S&P 400 MIDCAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
S&P 500 GROWTH	0	0	0.0%	18	12	0.5	0	0	0.0%	250	220	13.6%
S&P 500/VALUE	0	0	0.0%	5,216	300	16.39	0	0	0.0%	72,576	27,502	163.9%
E-MINI RUSSELL 2000	0	-	-	1,641,751	-	-	0	-	-	5,046,192	-	-
E-MINI RUSSELL 1000	0	0	0.0%	4,463	131	33.07	0	0	0.0%	21,702	4,154	422.4%
E-MINI NASDAQ 100	0	0	0.0%	5,458,936	4,683,119	0.17	0	0	0.0%	56,058,796	55,282,711	1.4%
NASDAQ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	245,441	193,521	0.27	0	0	0.0%	2,598,198	3,686,694	-29.5%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	868,933	847,860	0.02	0	0	0.0%	8,918,421	12,402,461	-28.1%
DJ US REAL ESTATE	0	0	0.0%	16,623	8,364	0.99	0	0	0.0%	158,209	112,930	40.1%
NASDAQ BIOTECH	0	0	0.0%	0	18	-1	0	0	0.0%	0	18	-100.0%
E-MICRO NIFTY	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
S&P CONSUMER STAPLES SE	0	0	0.0%	5,487	5,343	0.03	0	0	0.0%	84,037	75,013	12.0%
S&P HEALTH CARE SECTOR	0	0	0.0%	4,508	4,393	0.03	0	0	0.0%	88,502	74,655	18.5%
S&P TECHNOLOGY SECTOR	0	0	0.0%	4,466	2,166	1.06	0	0	0.0%	53,858	47,935	12.4%
S&P INDUSTRIAL SECTOR	0	0	0.0%	4,172	2,005	1.08	0	0	0.0%	46,425	27,507	68.8%
S&P CONSUMER DSCRTRY S	0	0	0.0%	4,379	6,074	-0.28	0	0	0.0%	42,165	50,026	-15.7%
S&P UTILITIES SECTOR	0	0	0.0%	8,138	11,646	-0.3	0	0	0.0%	144,639	119,285	21.3%
S&P FINANCIAL SECTOR	0	0	0.0%	9,071	6,370	0.42	0	0	0.0%	152,303	69,372	119.5%
S&P ENERGY SECTOR	0	0	0.0%	5,220	9,077	-0.42	0	0	0.0%	100,977	93,829	7.6%
S&P MATERIALS SECTOR	0	0	0.0%	4,823	4,279	0.13	0	0	0.0%	58,564	44,881	30.5%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	2,493	16	154.81	0	0	0.0%	14,653	2,626	458.0%
FT-SE 100	0	0	0.0%	799	554	0.44	0	0	0.0%	5,530	6,435	-14.1%
IBOVESPA INDEX	0	0	0.0%	1,011	1,204	-0.16	0	0	0.0%	6,398	7,202	-11.2%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	3,347	49	67.31	0	0	0.0%	22,487	4,354	416.5%
NIFTY 50	0	0	0.0%	14,123	13,294	0.06	0	0	0.0%	117,121	104,071	12.5%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,064	492	3.2	0	0	0.0%	25,431	1,567	1,522.9%
E-mini (\$5) Dow	0	0	0.0%	2,136,239	3,268,255	-0.35	0	0	0.0%	27,218,477	35,631,418	-23.6%
E-mini FTSE China 50	0	0	0.0%	1,842	799	1.31	0	0	0.0%	14,887	8,583	73.4%

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Equity Index Futures												
E-mini FTSE 100 (USD)	0	0	0.0%	593	0	0	0	0	0.0%	979	373	162.5%
FTSE Emerging	0	0	0.0%	187	67	1.79	0	0	0.0%	456	1,424	-68.0%
Equity Index Options												
DJIA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
E-MINI S&P500	0	0	0.0%	3,657,995	2,354,131	0.55	1,935	110,315	-98.2%	41,359,116	48,540,395	-14.8%
S&P 500	275,881	140,050	97.0%	0	0	0	3,138,052	5,028,143	-37.6%	0	0	0.0%
E-MINI MIDCAP	0	0	0.0%	0	0	0	0	0	0.0%	0	17	-100.0%
E-MINI RUSSELL 2000	0	-	-	12,380	-	-	0	-	-	22,206	-	-
E-MINI NASDAQ 100	0	0	0.0%	292,479	190,796	0.53	0	0	0.0%	2,339,933	2,204,915	6.1%
NASDAQ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EOM S&P 500	217,950	134,824	61.7%	0	0	0	1,832,844	1,736,724	5.5%	0	0	0.0%
EOM EMINI S&P	0	0	0.0%	1,962,598	1,355,515	0.45	0	0	0.0%	19,918,687	16,398,398	21.5%
EOW1 S&P 500	104,396	93,078	12.2%	0	0	0	874,056	625,217	39.8%	0	0	0.0%
EOW1 EMINI S&P 500	0	0	0.0%	1,082,551	1,184,812	-0.09	0	0	0.0%	10,558,773	9,957,828	6.0%
EOW2 S&P 500	206,966	111,845	85.0%	0	0	0	1,668,096	1,290,611	29.2%	0	0	0.0%
EOW2 EMINI S&P 500	0	0	0.0%	916,206	1,115,305	-0.18	0	0	0.0%	10,531,587	10,198,371	3.3%
EOW4 EMINI S&P 500	0	0	0.0%	1,083,350	928,897	0.17	0	0	0.0%	9,643,492	11,196,423	-13.9%
EOW3 S&P 500	469,573	434,322	8.1%	0	0	0	3,644,200	2,472,843	47.4%	0	0	0.0%
EOW3 EMINI S&P 500	0	0	0.0%	3,490,647	4,397,999	-0.21	3,000	27,000	-88.9%	34,061,586	20,066,091	69.7%
E-mini (\$5) Dow	0	0	0.0%	7,372	5,324	0.38	0	0	0.0%	54,300	107,773	-49.6%
EOW2 E-MINI RUSSELL 2000 W	0	-	-	4,268	-	-	0	-	-	6,668	-	-
EOW1 E-MINI RUSSELL 2000 W	0	-	-	2,456	-	-	0	-	-	4,935	-	-
EOM E-MINI RUSSELL 2000 EN	0	-	-	1,678	-	-	0	-	-	11,525	-	-
EOW3 E-MINI RUSSELL 2000 W	0	-	-	20,186	-	-	0	-	-	43,338	-	-
EOW1 E-MINI RUSSELL 2000 W	0	-	-	2,650	-	-	0	-	-	4,861	-	-
EOW4 E-MINI RUSSELL 2000 W	0	-	-	5,357	-	-	0	-	-	8,449	-	-

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Metals Futures												
COMEX GOLD	0	2,713	-100.0%	6,514,119	3,574,211	0.82	0	90,777	-100.0%	57,040,397	44,394,106	28.5%
COMEX MINY COPPER	0	0	0.0%	459	239	0.92	0	0	0.0%	7,013	5,043	39.1%
COMEX SILVER	0	253	-100.0%	1,793,724	1,299,064	0.38	0	9,675	-100.0%	18,674,763	14,471,128	29.0%
COMEX COPPER	0	72	-100.0%	2,395,581	1,490,243	0.61	0	922	-100.0%	21,448,557	16,380,972	30.9%
NYMEX HOT ROLLED STEEL	0	0	0.0%	1,157	404	1.86	0	0	0.0%	3,905	4,593	-15.0%
NYMEX PLATINUM	0	0	0.0%	335,247	288,495	0.16	0	38	-100.0%	3,778,453	3,072,367	23.0%
URANIUM	0	0	0.0%	0	0	0	0	0	0.0%	427	993	-57.0%
PALLADIUM	0	0	0.0%	83,314	106,495	-0.22	0	63	-100.0%	1,116,591	1,071,610	4.2%
E-MICRO GOLD	0	0	0.0%	106,238	52,304	1.03	0	0	0.0%	946,127	821,509	15.2%
GOLD	0	-	-	0	-		0	-	-	1	-	-
ALUMINUM	0	0	0.0%	191	1,229	-0.84	0	0	0.0%	6,846	15,333	-55.4%
COPPER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SILVER	0	0	0.0%	4,985	5,630	-0.11	0	0	0.0%	58,404	83,606	-30.1%
Gold Kilo	0	0	0.0%	153	3,711	-0.96	0	0	0.0%	3,276	47,646	-93.1%
COMEX E-Mini SILVER	0	0	0.0%	471	1,033	-0.54	0	0	0.0%	8,084	12,279	-34.2%
COMEX E-Mini GOLD	0	0	0.0%	5,343	6,890	-0.22	0	0	0.0%	80,343	105,332	-23.7%
LNDN ZINC	0	0	0.0%	20	27	-0.26	0	0	0.0%	115	227	-49.3%
METALS	0	0	0.0%	0	0	0	0	0	0.0%	0	25	-100.0%
FERROUS PRODUCTS	0	0	0.0%	0	0	0	0	0	0.0%	85	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%	220	508	-0.57	0	0	0.0%	2,810	5,306	-47.0%
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	16,698	-100.0%	625,816	607,491	0.03	0	592,859	-100.0%	6,513,341	5,732,193	13.6%
COMEX SILVER	0	8,781	-100.0%	79,409	90,349	-0.12	0	79,795	-100.0%	1,076,342	993,161	8.4%
COMEX COPPER	0	0	0.0%	16,137	2,454	5.58	0	1,188	-100.0%	70,266	23,822	195.0%
NYMEX PLATINUM	0	0	0.0%	955	743	0.29	0	2,254	-100.0%	10,884	7,645	42.4%
PALLADIUM	0	0	0.0%	1,198	265	3.52	0	322	-100.0%	11,589	2,546	355.2%
GOLD	0	0	0.0%	17,955	5,865	2.06	0	666	-100.0%	127,637	38,371	232.6%
COPPER	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SILVER	0	0	0.0%	206	773	-0.73	0	0	0.0%	1,634	1,569	4.1%
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%
HOT ROLLED COIL STEEL CAL	0	-	-	0	-		0	-	-	0	-	-
Energy Futures												
ETHANOL	0	0	0.0%	10,185	11,502	-0.11	0	0	0.0%	128,250	137,625	-6.8%
ETHANOL FWD	-	0	0.0%	-	0	0	0	0	0.0%	0	0	0.0%
HOUSTON SHIP CHANNEL BAS	0	0	0.0%	0	182	-1	0	0	0.0%	0	1,102	-100.0%
NORTHWEST ROCKIES BASIS	0	0	0.0%	0	870	-1	0	0	0.0%	0	2,815	-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%	35,812	34,775	0.03	0	800	-100.0%	355,347	200,362	77.4%
HTG OIL	0	0	0.0%	60	0	0	0	36	-100.0%	144	0	0.0%
LTD NAT GAS	0	0	0.0%	142,164	85,476	0.66	0	0	0.0%	1,250,529	729,085	71.5%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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												
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%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	1,406,972	1,530,837	-0.08	0	344	-100.0%	18,745,600	18,888,975	-0.8%
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%	70	0	0	0	0	0.0%	70	0	0.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	800	0	0	0	0	0.0%	800	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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 BGE DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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												
NORTHERN ILLINOIS OFF-PEA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
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	182	-100.0%	3,617,837	2,939,540	0.23	0	968	-100.0%	34,167,290	29,921,434	14.2%
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%	3	7	-0.57	0	0	0.0%	28	95	-70.5%
WAHA BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY NATURAL GAS	0	0	0.0%	24,478	33,276	-0.26	0	0	0.0%	243,223	253,764	-4.2%
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%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLNC	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 OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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												
GASOLINE UP-DOWN BALMO S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 4 NAT GAS IN	0	0	0.0%	0	0	0	0	0	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	122	-100.0%
HENRY HUB FINANCIAL LAST	0	-	-	1,701	-		0	-	-	3,248	-	-
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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 AD HUB 5MW REAL TIME	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	0	0	0.0%	0	0	0	0	0	0.0%	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	64	-100.0%	3,488,294	3,162,693	0.1	0	573	-100.0%	39,831,425	35,580,563	11.9%
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%	233,943	227,921	0.03	0	0	0.0%	2,599,082	2,848,927	-8.8%
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	52	-100.0%	10,293,023	9,905,953	0.04	0	1,590	-100.0%	84,984,614	76,374,450	11.3%
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	462	-100.0%	24,481,485	22,383,452	0.09	0	20,093	-100.0%	256,634,849	219,008,768	17.2%
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%	1,347	329	3.09	0	0	0.0%	3,583	10,811	-66.9%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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												
LLS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	15	0	0.0%
MINY RBOB GAS	0	0	0.0%	4	3	0.33	0	0	0.0%	43	45	-4.4%
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	12	-75.0%
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	31	-1	0	0	0.0%	0	766	-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	30	-1	0	0	0.0%	0	366	-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	214	-1	0	0	0.0%	0	946	-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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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 6 BASIS SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
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%	0	0	0	0	0	0.0%	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%	100	0	0	0	0	0.0%	507	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%	62	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%
TD3 MEG TO JAPAN 250K MT	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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												
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%
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%	916	194,391	-1	0	1,472	-100.0%	61,980	1,950,435	-96.8%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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 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%
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%	45	0	0	0	0	0.0%	327	158	107.0%
EUROPEAN GASOIL (ICE)	0	0	0.0%	863	6,938	-0.88	0	0	0.0%	29,272	1,474,467	-98.0%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW 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%	3	0	0	0	0	0.0%	54	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%	20	0	0	0	0	0.0%	20	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	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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 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%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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												
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%
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%
DIESEL10PPM 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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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												
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%
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%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC WEST POWER PEAK	0	0	0.0%	0	0	0	0	0	0.0%	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%	17,873	8,493	1.1	0	9,909	-100.0%	103,330	25,308	308.3%
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	396	-100.0%	6,416	4,646	0.38	0	7,014	-100.0%	49,667	65,162	-23.8%
HENRY HUB FINANCIAL LAST	0	42	-100.0%	0	0	0	0	68	-100.0%	0	0	0.0%
RBOB PHY	0	267	-100.0%	6,922	4,323	0.6	0	8,506	-100.0%	69,256	75,745	-8.6%
NATURAL GAS PHY	0	1,560	-100.0%	1,666,876	917,024	0.82	0	21,738	-100.0%	12,260,278	7,029,765	74.4%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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												
CRUDE OIL APO	0	74	-100.0%	10	0	0	0	7,251	-100.0%	70	0	0.0%
NATURAL GAS 3 M CSO FIN	0	0	0.0%	0	0	0	0	250	-100.0%	0	0	0.0%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	500	0	0	0	200	-100.0%	3,920	0	0.0%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0	0	0	0.0%	4,000	26,126	-84.7%
CRUDE OIL PHY	0	4,922	-100.0%	2,392,596	2,437,668	-0.02	0	220,408	-100.0%	29,640,686	27,920,424	6.2%
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	55	-100.0%	15	0	0	0	1,572	-100.0%	483	6	7,950.0%
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%	26,444	0	0	0	0	0.0%	41,604	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%	56,107	56,764	-0.01	0	100	-100.0%	322,700	590,909	-45.4%
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%	8	10	-20.0%
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%	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%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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 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%
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%	924	0	0	0	0	0.0%	1,102	0	0.0%
SHORT TERM	0	0	0.0%	192	0	0	0	0	0.0%	252	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	-	-
BRENT CRUDE OIL 12 M CSO	0	-	-	0	-	-	0	-	-	0	-	-
FX Futures												
AUSTRALIAN DOLLAR	0	281	-100.0%	2,238,610	1,857,451	0.21	1,537	1,733	-11.3%	19,984,558	21,186,252	-5.7%
BRITISH POUND	1	553	-99.8%	2,566,333	2,709,798	-0.05	249	1,413	-82.4%	25,042,717	23,792,144	5.3%
BRAZIL REAL	0	0	0.0%	107,412	43,631	1.46	0	0	0.0%	563,043	475,900	18.3%
CANADIAN DOLLAR	152	230	-33.9%	1,552,269	1,503,266	0.03	2,684	977	174.7%	15,931,465	15,633,308	1.9%
E-MINI EURO FX	0	0	0.0%	80,520	55,493	0.45	0	0	0.0%	944,186	749,420	26.0%
EURO FX	72	394	-81.7%	4,692,140	3,340,405	0.4	2,673	7,802	-65.7%	46,036,150	39,537,916	16.4%
E-MINI JAPANESE YEN	0	0	0.0%	10,340	18,458	-0.44	0	0	0.0%	297,511	326,031	-8.7%
JAPANESE YEN	28	357	-92.2%	3,415,336	2,332,374	0.46	8,935	3,956	125.9%	34,833,682	29,442,091	18.3%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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												
MEXICAN PESO	0	0	0.0%	1,165,634	1,086,633	0.07	5	0	0.0%	10,480,867	11,495,167	-8.8%
NEW ZEALND DOLLAR	0	0	0.0%	572,309	470,683	0.22	0	0	0.0%	5,172,000	4,750,044	8.9%
NKR/USD CROSS RATE	0	0	0.0%	1,254	807	0.55	0	0	0.0%	17,996	16,397	9.8%
RUSSIAN RUBLE	0	0	0.0%	23,489	12,807	0.83	0	0	0.0%	343,768	260,519	32.0%
S.AFRICAN RAND	0	0	0.0%	41,968	21,359	0.96	0	0	0.0%	455,322	175,510	159.4%
SWISS FRANC	0	0	0.0%	532,180	447,319	0.19	0	0	0.0%	5,690,482	4,697,868	21.1%
AD/CD CROSS RATES	0	0	0.0%	1	4	-0.75	0	0	0.0%	38	54	-29.6%
AD/JY CROSS RATES	0	0	0.0%	2,596	1,966	0.32	0	0	0.0%	24,542	37,453	-34.5%
AD/NE CROSS RATES	0	0	0.0%	130	9	13.44	0	0	0.0%	889	679	30.9%
BP/JY CROSS RATES	0	0	0.0%	3,250	1,147	1.83	0	0	0.0%	28,494	18,451	54.4%
BP/SF CROSS RATES	0	0	0.0%	40	65	-0.38	0	0	0.0%	737	431	71.0%
CD/JY CROSS RATES	0	0	0.0%	0	0	0	0	0	0.0%	554	11	4,936.4%
EC/AD CROSS RATES	0	0	0.0%	1,973	613	2.22	0	0	0.0%	23,514	16,835	39.7%
EC/CD CROSS RATES	0	0	0.0%	4,030	1,727	1.33	0	0	0.0%	43,432	24,774	75.3%
EC/NOK CROSS RATES	0	0	0.0%	724	0	0	0	0	0.0%	2,010	9	22,233.3%
EC/SEK CROSS RATES	0	0	0.0%	888	108	7.22	0	0	0.0%	6,277	708	786.6%
EFX/BP CROSS RATES	0	0	0.0%	57,364	67,431	-0.15	0	0	0.0%	704,954	708,677	-0.5%
EFX/JY CROSS RATES	0	0	0.0%	53,580	24,328	1.2	0	0	0.0%	643,755	386,334	66.6%
EFX/SF CROSS RATES	0	0	0.0%	23,151	24,758	-0.06	0	0	0.0%	333,337	303,848	9.7%
SF/JY CROSS RATES	0	-	-	0	-	-	0	-	-	0	-	-
SKR/USD CROSS RATES	0	0	0.0%	1,430	1,059	0.35	0	0	0.0%	20,328	14,975	35.7%
HUNGARIAN FORINT (US)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
POLISH ZLOTY (US)	0	0	0.0%	38	1,059	-0.96	0	0	0.0%	980	5,379	-81.8%
POLISH ZLOTY (EC)	0	0	0.0%	7	32	-0.78	0	0	0.0%	388	4,636	-91.6%
SHEKEL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RMB USD	0	0	0.0%	4	49	-0.92	0	6	-100.0%	280	1,782	-84.3%
KOREAN WON	0	0	0.0%	25	0	0	0	0	0.0%	200	167	19.8%
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%	230,858	210,672	0.1	0	0	0.0%	2,542,085	2,744,721	-7.4%
E-MICRO GBP/USD	0	0	0.0%	55,130	138,409	-0.6	0	0	0.0%	576,608	841,050	-31.4%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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 AUD/USD	0	0	0.0%	81,737	100,626	-0.19	0	0	0.0%	862,879	1,022,659	-15.6%
MICRO CHF/USD	0	0	0.0%	1,096	1,626	-0.33	0	0	0.0%	9,670	18,793	-48.5%
E-MICRO JPY/USD	0	0	0.0%	30,264	20,655	0.47	0	0	0.0%	389,702	287,372	35.6%
E-MICRO INR/USD	0	0	0.0%	2,412	1,921	0.26	0	0	0.0%	25,681	20,903	22.9%
FCXRX	0	0	0.0%	0	3,018	-1	0	0	0.0%	6,243	4,313	44.7%
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%	1,656	1,480	0.12	0	0	0.0%	15,424	13,455	14.6%
E-MICRO CAD/USD	0	0	0.0%	19,073	22,946	-0.17	0	0	0.0%	205,166	211,628	-3.1%
INDIAN RUPEE	0	0	0.0%	53,432	10,602	4.04	0	0	0.0%	357,921	120,440	197.2%
USDZAR	0	0	0.0%	0	0	0	0	0	0.0%	0	6	-100.0%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Options												
AUSTRALIAN DOLLAR	0	280	-100.0%	0	83,441	-1	2,674	12,786	-79.1%	200,250	1,303,449	-84.6%
BRITISH POUND	0	2,147	-100.0%	0	238,245	-1	693	34,110	-98.0%	462,114	1,994,472	-76.8%
CANADIAN DOLLAR	0	1,357	-100.0%	0	76,321	-1	4,597	24,810	-81.5%	183,080	1,322,155	-86.2%
EURO FX	0	5,290	-100.0%	0	428,776	-1	8,535	102,424	-91.7%	1,287,538	6,452,556	-80.0%
JAPANESE YEN	0	2,757	-100.0%	0	206,021	-1	8,468	62,668	-86.5%	544,469	2,856,815	-80.9%
MEXICAN PESO	820	2,410	-66.0%	2,970	5,984	-0.5	1,590	4,733	-66.4%	23,440	33,102	-29.2%
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	0	0.0%	0	4,110	-1	0	272	-100.0%	5,710	61,773	-90.8%
JAPANESE YEN (EU)	0	0	0.0%	0	0	0	0	0	0.0%	180	5,899	-96.9%
EURO FX (EU)	0	5	-100.0%	46	79	-0.42	0	5	-100.0%	489	28,458	-98.3%
SWISS FRANC (EU)	0	-	-	0	-	-	0	-	-	15	-	-
CANADIAN DOLLAR (EU)	0	0	0.0%	0	15	-1	0	0	0.0%	111	1,804	-93.8%
BRITISH POUND (EU)	0	0	0.0%	1,605	69	22.26	0	0	0.0%	4,251	9,151	-53.5%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	0	0	0	0	0.0%	2	1,146	-99.8%
EUR/USD PQO 2pm Fix	3,623	1,190	204.5%	843,048	100,906	7.35	28,128	1,702	1,552.6%	6,269,549	149,951	4,081.1%
CAD/USD PQO 2pm Fix	1,079	510	111.6%	179,759	31,074	4.78	5,200	510	919.6%	1,385,654	51,989	2,565.3%
JPY/USD PQO 2pm Fix	705	0	0.0%	254,193	36,611	5.94	33,878	19	178,205.3%	2,546,558	67,077	3,696.5%
AUD/USD PQO 2pm Fix	0	1,680	-100.0%	122,246	22,261	4.49	5,746	1,980	190.2%	1,084,976	36,437	2,877.7%
GBP/USD PQO 2pm Fix	57	1,283	-95.6%	320,768	51,605	5.22	4,745	1,323	258.7%	2,041,627	75,876	2,590.7%
CHF/USD PQO 2pm Fix	0	0	0.0%	12,157	1,418	7.57	0	0	0.0%	34,471	2,457	1,303.0%
OTC AUDUSD SUB	0	-	-	137	-	-	0	-	-	137	-	-
OTC GBPUSD SUB	0	-	-	230	-	-	0	-	-	230	-	-
CANADIAN DOLLAR VOL	0	-	-	299	-	-	0	-	-	299	-	-
EURO FX VOL	0	-	-	886	-	-	0	-	-	886	-	-
JAPANESE YEN VOL	0	-	-	170	-	-	0	-	-	170	-	-
OTC CADUSD SUB	0	-	-	50	-	-	0	-	-	50	-	-
Commodities and Alternative Investments												
Futures												
CORN	35,654	37,541	-5.0%	5,649,487	5,091,869	0.11	342,673	424,338	-19.2%	72,625,059	70,536,120	3.0%
SOYBEAN	11,139	29,898	-62.7%	5,663,871	5,483,896	0.03	147,044	306,857	-52.1%	43,280,799	50,324,457	-14.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Commodities and Alternative Investments												
Futures												
SOYBEAN MEAL	1,751	3,017	-42.0%	1,715,538	1,902,971	-0.1	22,128	47,133	-53.1%	20,125,099	20,905,901	-3.7%
SOYBEAN OIL	5,078	5,832	-12.9%	2,074,531	2,340,348	-0.11	38,882	45,757	-15.0%	23,791,677	23,062,748	3.2%
OATS	0	0	0.0%	10,906	20,616	-0.47	80	60	33.3%	126,888	181,082	-29.9%
ROUGH RICE	0	0	0.0%	27,925	35,213	-0.21	0	0	0.0%	219,084	248,712	-11.9%
WHEAT	0	0	0.0%	224	44,388	-0.99	0	0	0.0%	119,104	65,098	83.0%
MINI CORN	0	0	0.0%	6,448	11,682	-0.45	0	0	0.0%	95,326	119,363	-20.1%
MINI SOYBEAN	0	0	0.0%	27,257	35,485	-0.23	0	0	0.0%	170,899	243,748	-29.9%
MINI WHEAT	0	0	0.0%	3,634	5,393	-0.33	0	0	0.0%	59,900	64,190	-6.7%
LIVE CATTLE	4,394	2,022	117.3%	1,219,436	1,025,850	0.19	36,535	34,211	6.8%	13,599,001	10,751,895	26.5%
FEEDER CATTLE	70	0	0.0%	328,772	251,269	0.31	525	280	87.5%	3,016,383	2,145,270	40.6%
LEAN HOGS	5,698	3,518	62.0%	941,656	758,013	0.24	30,739	22,926	34.1%	9,335,576	7,405,411	26.1%
LUMBER	0	0	0.0%	21,462	16,400	0.31	0	0	0.0%	166,661	147,382	13.1%
MILK	125	284	-56.0%	22,058	23,847	-0.08	1,085	1,157	-6.2%	265,235	253,888	4.5%
MLK MID	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NFD MILK	0	13	-100.0%	6,943	5,419	0.28	14	13	7.7%	51,043	47,356	7.8%
BUTTER CS	0	0	0.0%	3,576	4,744	-0.25	0	0	0.0%	31,821	32,646	-2.5%
CLASS IV MILK	12	70	-82.9%	497	1,828	-0.73	79	70	12.9%	9,596	11,234	-14.6%
DRY WHEY	0	0	0.0%	1,066	1,820	-0.41	0	0	0.0%	17,235	12,366	39.4%
GSCI EXCESS RETURN FUT	0	0	0.0%	17	0	0	0	0	0.0%	1,065	1,119	-4.8%
GOLDMAN SACHS	0	0	0.0%	34,500	33,492	0.03	0	0	0.0%	340,394	285,358	19.3%
HDD WEATHER	0	0	0.0%	0	50	-1	0	0	0.0%	50	328	-84.8%
CDD WEATHER	0	0	0.0%	0	0	0	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%	9	14	-0.36	0	0	0.0%	131	93	40.9%
DOW-UBS COMMOD INDEX	0	0	0.0%	76,737	16,596	3.62	0	0	0.0%	811,578	322,280	151.8%
COTTON	0	0	0.0%	0	9	-1	0	0	0.0%	16	575	-97.2%
COCOA TAS	0	0	0.0%	3	30	-0.9	0	0	0.0%	86	2,580	-96.7%
COFFEE	0	0	0.0%	0	3	-1	0	0	0.0%	40	168	-76.2%
SUGAR 11	0	0	0.0%	0	2	-1	0	0	0.0%	42	415	-89.9%

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Commodities and Alternative Investments												
Futures												
USD CRUDE PALM OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CASH-SETTLED CHEESE	0	0	0.0%	10,723	8,042	0.33	0	6	-100.0%	98,178	101,081	-2.9%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHI WHEAT	5,665	16,109	-64.8%	2,186,867	2,174,818	0.01	149,441	169,127	-11.6%	28,073,995	25,858,460	8.6%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
KC WHEAT	66	240	-72.5%	698,200	687,329	0.02	9,688	12,325	-21.4%	10,080,132	7,635,142	32.0%
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	461,338	501,161	-7.9%	1,230,062	1,077,572	0.14	6,046,449	7,131,029	-15.2%	15,332,602	13,255,551	15.7%
SOYBEAN	232,172	319,498	-27.3%	1,050,410	906,630	0.16	3,008,597	4,448,105	-32.4%	11,635,232	13,330,746	-12.7%
SOYBEAN MEAL	40,644	50,480	-19.5%	90,704	98,924	-0.08	538,585	636,465	-15.4%	1,196,542	1,345,295	-11.1%
SOYBEAN OIL	54,062	82,700	-34.6%	104,670	77,821	0.35	792,088	945,404	-16.2%	946,299	987,363	-4.2%
SOYBEAN CRUSH	20	89	-77.5%	0	0	0	640	4,773	-86.6%	0	0	0.0%
OATS	300	1,382	-78.3%	777	1,850	-0.58	5,501	6,066	-9.3%	6,947	8,126	-14.5%
ROUGH RICE	608	199	205.5%	1,244	1,046	0.19	10,535	2,413	336.6%	10,642	15,256	-30.2%
WHEAT	0	0	0.0%	26	105	-0.75	997	0	0.0%	453	357	26.9%
LIVE CATTLE	48,761	62,054	-21.4%	226,637	227,193	0	507,861	1,143,681	-55.6%	1,956,317	2,387,344	-18.1%
FEEDER CATTLE	5,692	5,402	5.4%	32,579	32,554	0	45,322	45,857	-1.2%	304,461	305,978	-0.5%
LEAN HOGS	36,795	33,690	9.2%	218,900	189,256	0.16	306,630	377,051	-18.7%	1,868,349	1,478,599	26.4%
LUMBER	1	5	-80.0%	1,765	1,675	0.05	43	110	-60.9%	11,852	10,268	15.4%
MILK	10,493	10,694	-1.9%	23,270	23,224	0	116,829	125,744	-7.1%	233,961	171,641	36.3%
MLK MID	88	43	104.7%	0	0	0	614	582	5.5%	0	0	0.0%
NFD MILK	1,603	1,462	9.6%	5,444	1,941	1.8	14,299	19,979	-28.4%	29,021	12,267	136.6%
BUTTER CS	849	615	38.0%	1,944	680	1.86	10,640	9,552	11.4%	7,020	2,553	175.0%
CLASS IV MILK	467	409	14.2%	1,393	682	1.04	2,955	2,838	4.1%	14,485	8,084	79.2%
DRY WHEY	532	121	339.7%	927	0	0	3,124	902	246.3%	2,154	55	3,816.4%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2017	Open Outcry OCT 2016	% CHG	ELEC OCT 2017	ELEC OCT 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 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%	42	18	133.3%
CORN NEARBY+2 CAL SPRD	0	2,158	-100.0%	0	0	0	13,758	32,733	-58.0%	77	82	-6.1%
SOYBN NEARBY+2 CAL SPRD	0	1,000	-100.0%	0	0	0	460	1,401	-67.2%	600	0	0.0%
WHEAT NEARBY+2 CAL SPRD	1,965	2,508	-21.7%	585	454	0.29	11,791	44,486	-73.5%	4,107	1,791	129.3%
JULY-DEC CORN CAL SPRD	0	0	0.0%	0	0	0	17,402	36,609	-52.5%	0	175	-100.0%
DEC-JULY WHEAT CAL SPRD	600	415	44.6%	200	0	0	1,524	515	195.9%	200	0	0.0%
JULY-NOV SOYBEAN CAL SPR	0	1,557	-100.0%	0	0	0	69,340	62,026	11.8%	1,317	263	400.8%
JULY-DEC WHEAT CAL SPRD	0	200	-100.0%	0	0	0	1,414	33,374	-95.8%	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	43	11	290.9%	0	0	0	164	2,982	-94.5%	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	53	5	960.0%	0	0	0	1,972	265	644.2%	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	0	0	0.0%	0	0	0	1,696	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	6,658	8,081	-17.6%	11,191	2,367	3.73	46,534	52,552	-11.5%	43,255	23,117	87.1%
DEC-JULY CORN CAL SPRD	6,850	3,915	75.0%	0	10	-1	39,598	20,203	96.0%	0	10	-100.0%
WHEAT-CORN IC SO	200	3,210	-93.8%	0	0	0	5,535	15,652	-64.6%	6	0	0.0%
DEC-DEC CORN CAL SPRD	0	34	-100.0%	0	0	0	11,786	17,851	-34.0%	274	15	1,726.7%
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0	103	20	415.0%	0	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	0	-	-	0	-	-	36	-	-	0	-	-
MAR-DEC CORN CAL SPRD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CHI WHEAT	96,517	114,576	-15.8%	381,451	347,067	0.1	1,510,726	1,717,953	-12.1%	5,090,856	4,247,002	19.9%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0	70	2,416	-97.1%	0	4	-100.0%
KC WHEAT	7,281	3,220	126.1%	20,191	7,930	1.55	147,261	149,642	-1.6%	321,411	156,725	105.1%
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%
SEP-DEC SOYBEAN MEAL CSC	-	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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Ags Futures												
FERTILIZER PRODUCTS	0	-	-	0	-	-	0	-	-	0	-	-
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	2,697	0	0	0	6	-100.0%	17,077	4	426,825.0%
TOTAL FUTURES GROUP												
Interest Rate Futures	966,221	555,959	73.8%	111,864,621	89,802,506	24.6%	8,023,121	7,195,328	11.5%	1,223,251,338	1,098,905,527	11.3%
Equity Index Futures	11,070	35,316	-68.7%	34,972,484	41,851,654	-16.4%	676,179	1,113,843	-39.3%	410,800,415	509,585,183	-19.4%
Metals Futures	0	3,038	-100.0%	11,241,222	6,830,483	64.6%	0	101,475	-100.0%	103,176,197	80,492,075	28.2%
Energy Futures	0	760	-100.0%	43,740,125	40,518,420	8.0%	0	27,076	-100.0%	439,046,833	387,387,029	13.3%
FX Futures	253	1,815	-86.1%	17,624,683	14,536,794	21.2%	16,083	15,887	1.2%	172,619,847	159,349,198	8.3%
Commodities and Alternative Inve	69,652	98,544	-29.3%	20,732,343	19,981,436	3.8%	778,913	1,064,260	-26.8%	226,512,168	220,767,016	2.6%
Ags Futures	0	-	-	0	-	-	0	-	-	0	-	-
Foreign Exchange Futures	0	0	0.0%	2,697	0	0.0%	0	6	-100.0%	17,077	4	426,825.0%
TOTAL FUTURES	1,047,196	695,432	50.6%	240,178,175	213,521,293	12.5%	9,494,296	9,517,875	-0.2%	2,575,423,875	2,456,486,032	4.8%
TOTAL OPTIONS GROUP												
Equity Index Options	1,274,766	914,119	39.5%	12,542,173	11,532,779	8.8%	11,162,183	11,290,853	-1.1%	128,569,456	118,670,211	8.3%
Interest Rate Options	22,160,374	14,043,439	57.8%	27,032,427	11,566,673	133.7%	202,096,569	196,286,716	3.0%	224,219,098	137,522,726	63.0%
Metals Options	0	25,479	-100.0%	741,676	707,940	4.8%	0	677,084	-100.0%	7,811,693	6,799,307	14.9%
Energy Options	0	7,320	-100.0%	4,174,875	3,428,918	21.8%	0	277,566	-100.0%	42,497,366	35,733,455	18.9%
FX Options	6,284	18,909	-66.8%	1,738,564	1,286,936	35.1%	104,254	247,342	-57.9%	16,076,256	14,454,567	11.2%
Commodities and Alternative Inve	1,014,592	1,210,894	-16.2%	3,404,370	2,998,981	13.5%	13,295,503	17,100,546	-22.3%	39,018,768	37,748,843	3.4%
TOTAL OPTIONS	24,456,016	16,220,160	50.8%	49,634,085	31,522,227	57.5%	226,658,509	225,880,107	0.3%	458,192,637	350,929,109	30.6%

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CME Group Exchange Volume Comparison Report - Monthly

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TOTAL COMBINED												
Interest Rate	23,126,595	14,599,398	58.4%	138,897,048	101,369,179	37.0%	210,119,690	203,482,044	3.3%	1,447,470,436	1,236,428,253	17.1%
Equity Index	1,285,836	949,435	35.4%	47,514,657	53,384,433	-11.0%	11,838,362	12,404,696	-4.6%	539,369,871	628,255,394	-14.1%
Metals	0	28,517	-100.0%	11,982,898	7,538,423	59.0%	0	778,559	-100.0%	110,987,890	87,291,382	27.1%
Energy	0	8,080	-100.0%	47,915,000	43,947,338	9.0%	0	304,642	-100.0%	481,544,199	423,120,484	13.8%
FX	6,537	20,724	-68.5%	19,363,247	15,823,730	22.4%	120,337	263,229	-54.3%	188,696,103	173,803,765	8.6%
Commodities and Alternative Inve	1,084,244	1,309,438	-17.2%	24,136,713	22,980,417	5.0%	14,074,416	18,164,806	-22.5%	265,530,936	258,515,859	2.7%
Ags	0	-	-	0	-		0		-	0	-	-
Foreign Exchange	0	0	0.0%	2,697	0	0.0%	0	6	-100.0%	17,077	4	426,825.0%
GRAND TOTAL	25,503,212	16,915,592	50.8%	289,812,260	245,043,520	18.3%	236,152,805	235,397,982	0.3%	3,033,616,512	2,807,415,141	8.1%

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