

CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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	18,420	10,763	71.1%	4,976,636	4,479,647	0.11	200,619	227,487	-11.8%	71,694,519	68,749,267	4.3%
10-YR NOTE	76,859	115,445	-33.4%	22,481,895	22,448,469	0	1,463,005	1,720,560	-15.0%	363,525,662	339,882,260	7.0%
5-YR NOTE	18,277	11,845	54.3%	13,851,168	12,937,454	0.07	262,852	329,902	-20.3%	215,031,434	191,823,956	12.1%
2-YR NOTE	871	724	20.3%	5,731,653	4,490,799	0.28	20,416	10,277	98.7%	89,664,036	77,009,529	16.4%
FED FUND	0	32	-100.0%	2,895,858	2,044,792	0.42	30	257	-88.3%	47,510,315	33,092,850	43.6%
EURODOLLARS	642,085	609,682	5.3%	45,454,095	60,044,347	-0.24	7,649,506	6,844,130	11.8%	623,495,814	639,593,481	-2.5%
5-YR SWAP RATE	0	0	0.0%	58,306	90,557	-0.36	0	0	0.0%	521,161	733,786	-29.0%
2-YR SWAP RATE	0	0	0.0%	0	0	0	0	0	0.0%	0	4,418	-100.0%
10-YR SWAP RATE	0	0	0.0%	65,695	65,670	0	0	0	0.0%	528,048	558,419	-5.4%
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%	11,747	4,604	1.55	0	0	0.0%	63,522	17,487	263.3%
ULTRA T-BOND	0	0	0.0%	1,942,406	1,628,454	0.19	15	776	-98.1%	31,422,795	26,620,407	18.0%
Ultra 10-Year Note	0	0	0.0%	2,244,964	1,739,948	0.29	8	28	-71.4%	28,042,518	16,184,129	73.3%
30-YR SWAP RATE	0	0	0.0%	376	2,565	-0.85	0	0	0.0%	10,759	20,826	-48.3%
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	266,538	175,362	52.0%	1,861,637	1,228,382	0.52	3,077,606	3,493,894	-11.9%	24,035,392	17,576,244	36.7%
10-YR NOTE	1,489,285	2,494,354	-40.3%	6,038,413	7,169,803	-0.16	25,824,325	28,205,137	-8.4%	100,017,231	68,494,550	46.0%
5-YR NOTE	391,781	625,847	-37.4%	1,348,502	1,045,605	0.29	6,425,242	7,704,451	-16.6%	22,801,602	15,785,009	44.5%
2-YR NOTE	129,635	39,862	225.2%	138,925	36,447	2.81	854,698	524,545	62.9%	1,433,809	1,145,855	25.1%
FED FUND	0	1,000	-100.0%	0	305	-1	15,398	79,803	-80.7%	1,482	14,936	-90.1%
EURODOLLARS	6,581,550	6,728,851	-2.2%	3,758,222	2,246,552	0.67	95,633,923	117,272,028	-18.5%	46,782,381	36,484,015	28.2%
EURO MIDCURVE	7,475,241	10,980,373	-31.9%	3,835,511	4,293,940	-0.11	105,942,974	86,604,766	22.3%	67,671,055	37,533,025	80.3%
ULTRA T-BOND	1,897	282	572.7%	3,857	973	2.96	14,340	29,515	-51.4%	25,964	55,238	-53.0%
Ultra 10-Year Note	0	0	0.0%	0	1,375	-1	1,652	10,675	-84.5%	6,835	22,113	-69.1%

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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%	30,200,611	35,985,492	-0.16	0	0	0.0%	363,956,513	471,364,666	-22.8%
S&P 500	118,124	210,852	-44.0%	2,695	5,327	-0.49	816,606	1,386,412	-41.1%	50,785	113,823	-55.4%
S&P 600 SMALLCAP EMINI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
E-MINI MIDCAP	0	0	0.0%	436,225	503,729	-0.13	0	0	0.0%	4,196,882	5,172,822	-18.9%
S&P 400 MIDCAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
S&P 500 GROWTH	0	0	0.0%	34	59	-0.42	0	0	0.0%	285	290	-1.7%
S&P 500/VALUE	0	0	0.0%	7,792	4,065	0.92	0	0	0.0%	81,530	34,609	135.6%
E-MINI RUSSELL 2000	0	-	-	3,306,804	-	-	0	-	-	10,517,084	-	-
E-MINI RUSSELL 1000	0	0	0.0%	9,081	984	8.23	0	0	0.0%	37,426	5,213	617.9%
E-MINI NASDAQ 100	0	0	0.0%	6,467,768	4,394,390	0.47	0	0	0.0%	68,947,756	65,005,125	6.1%
NASDAQ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	348,348	307,985	0.13	0	0	0.0%	3,371,643	4,286,921	-21.4%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	751,579	1,053,129	-0.29	0	0	0.0%	10,818,523	14,778,431	-26.8%
DJ US REAL ESTATE	0	0	0.0%	28,884	17,379	0.66	0	0	0.0%	203,329	139,654	45.6%
NASDAQ BIOTECH	0	0	0.0%	0	0	0	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%	16,029	14,182	0.13	0	0	0.0%	103,263	97,722	5.7%
S&P HEALTH CARE SECTOR	0	0	0.0%	8,421	11,029	-0.24	0	0	0.0%	101,161	100,478	0.7%
S&P TECHNOLOGY SECTOR	0	0	0.0%	12,300	6,667	0.84	0	0	0.0%	70,983	59,488	19.3%
S&P INDUSTRIAL SECTOR	0	0	0.0%	8,532	11,831	-0.28	0	0	0.0%	60,414	46,374	30.3%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	8,131	11,094	-0.27	0	0	0.0%	53,565	69,221	-22.6%
S&P UTILITIES SECTOR	0	0	0.0%	27,983	18,775	0.49	0	0	0.0%	179,104	155,600	15.1%
S&P FINANCIAL SECTOR	0	0	0.0%	29,630	18,275	0.62	0	0	0.0%	194,012	101,289	91.5%
S&P ENERGY SECTOR	0	0	0.0%	13,964	14,608	-0.04	0	0	0.0%	121,411	125,026	-2.9%
S&P MATERIALS SECTOR	0	0	0.0%	6,930	10,770	-0.36	0	0	0.0%	69,673	63,704	9.4%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	4,788	669	6.16	0	0	0.0%	22,473	3,415	558.1%
FT-SE 100	0	0	0.0%	1,126	588	0.91	0	0	0.0%	7,829	7,630	2.6%
IBOVESPA INDEX	0	0	0.0%	1,124	947	0.19	0	0	0.0%	8,112	8,878	-8.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	5,925	946	5.26	0	0	0.0%	32,143	5,390	496.3%
NIFTY 50	0	0	0.0%	11,288	1,923	4.87	0	0	0.0%	142,778	117,092	21.9%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,537	748	2.39	0	0	0.0%	29,232	5,565	425.3%
E-mini (\$5) Dow	0	0	0.0%	2,839,516	2,922,816	-0.03	0	0	0.0%	32,762,878	42,438,213	-22.8%
E-mini FTSE China 50	0	0	0.0%	2,422	1,173	1.06	0	0	0.0%	21,713	11,337	91.5%

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Equity Index Futures												
E-mini FTSE 100 (USD)	0	0	0.0%	958	0	0	0	0	0.0%	3,030	375	708.0%
BITCOIN FUTURES	0	-	-	9,498	-		0	-	-	9,498	-	-
FTSE Emerging	0	0	0.0%	215	38	4.66	0	0	0.0%	937	1,525	-38.6%
Equity Index Options												
DJIA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
E-MINI S&P500	4,240	0	0.0%	4,257,471	4,802,448	-0.11	9,375	110,315	-91.5%	51,046,149	58,777,508	-13.2%
S&P 500	318,751	268,782	18.6%	0	0	0	3,892,488	5,672,245	-31.4%	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	-	-	6,543	-		0	-	-	47,902	-	-
E-MINI NASDAQ 100	0	0	0.0%	181,848	162,656	0.12	0	0	0.0%	2,873,368	2,568,059	11.9%
NASDAQ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EOM S&P 500	237,026	172,257	37.6%	0	0	0	2,347,874	2,069,567	13.4%	0	0	0.0%
EOM EMINI S&P	0	0	0.0%	2,555,559	2,283,508	0.12	0	0	0.0%	24,790,850	20,898,070	18.6%
EOW1 S&P 500	109,985	37,132	196.2%	0	0	0	1,092,049	706,582	54.6%	0	0	0.0%
EOW1 EMINI S&P 500	0	0	0.0%	863,745	714,471	0.21	0	0	0.0%	12,669,333	11,710,684	8.2%
EOW2 S&P 500	185,468	114,541	61.9%	0	0	0	2,097,086	1,539,741	36.2%	0	0	0.0%
EOW2 EMINI S&P 500	0	0	0.0%	903,260	886,740	0.02	0	0	0.0%	12,649,778	12,992,775	-2.6%
EOW4 EMINI S&P 500	0	0	0.0%	898,012	980,775	-0.08	0	0	0.0%	11,434,439	12,923,810	-11.5%
EOW3 S&P 500	310,077	286,878	8.1%	0	0	0	4,294,574	3,156,223	36.1%	0	0	0.0%
EOW3 EMINI S&P 500	0	0	0.0%	2,262,927	2,822,301	-0.2	3,000	27,000	-88.9%	39,317,303	27,086,276	45.2%
E-mini (\$5) Dow	0	0	0.0%	10,288	10,466	-0.02	0	0	0.0%	74,244	127,484	-41.8%
EOW3 E-MINI RUSSELL 2000 W	0	-	-	9,657	-		0	-	-	65,039	-	-
EOM E-MINI RUSSELL 2000 EN	0	-	-	7,031	-		0	-	-	22,049	-	-
EOW1 E-MINI RUSSELL 2000 W	0	-	-	725	-		0	-	-	7,350	-	-
EOW1 E-MINI RUSSELL 2000 W	0	-	-	844	-		0	-	-	7,420	-	-
EOW2 E-MINI RUSSELL 2000 W	0	-	-	2,352	-		0	-	-	13,997	-	-
EOW4 E-MINI RUSSELL 2000 W	0	-	-	5,031	-		0	-	-	16,589	-	-

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Metals Futures												
COMEX GOLD	0	391	-100.0%	4,930,301	3,359,200	0.47	0	97,984	-100.0%	70,283,909	54,523,856	28.9%
COMEX MINY COPPER	0	0	0.0%	627	559	0.12	0	0	0.0%	8,269	6,675	23.9%
COMEX SILVER	0	203	-100.0%	1,329,346	1,109,831	0.2	0	10,541	-100.0%	22,472,132	17,741,782	26.7%
COMEX COPPER	0	198	-100.0%	2,330,870	1,423,183	0.64	0	1,540	-100.0%	26,740,515	21,299,765	25.5%
NYMEX HOT ROLLED STEEL	0	0	0.0%	912	176	4.18	0	0	0.0%	5,654	4,988	13.4%
NYMEX PLATINUM	0	11	-100.0%	548,310	408,807	0.34	0	89	-100.0%	4,699,934	3,831,180	22.7%
URANIUM	0	0	0.0%	3	288	-0.99	0	0	0.0%	432	1,283	-66.3%
PALLADIUM	0	0	0.0%	69,953	85,733	-0.18	0	95	-100.0%	1,335,280	1,342,462	-0.5%
E-MICRO GOLD	0	0	0.0%	83,042	59,280	0.4	0	0	0.0%	1,141,590	976,950	16.9%
GOLD	0	0	0.0%	0	0	0	0	0	0.0%	1	2	-50.0%
ALUMINUM	0	0	0.0%	348	606	-0.43	0	0	0.0%	7,592	17,549	-56.7%
COPPER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SILVER	0	0	0.0%	4,848	6,475	-0.25	0	0	0.0%	71,118	101,937	-30.2%
Gold Kilo	0	0	0.0%	104	3,725	-0.97	0	0	0.0%	3,665	56,157	-93.5%
COMEX E-Mini SILVER	0	0	0.0%	814	1,011	-0.19	0	0	0.0%	9,704	14,985	-35.2%
COMEX E-Mini GOLD	0	0	0.0%	4,992	7,266	-0.31	0	0	0.0%	92,442	130,190	-29.0%
LNDN ZINC	0	0	0.0%	16	3	4.33	0	0	0.0%	141	230	-38.7%
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	10	750.0%
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%	3	731	-1	0	0	0.0%	2,843	7,365	-61.4%
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	4,939	-100.0%	640,398	550,293	0.16	0	618,270	-100.0%	7,717,773	7,346,031	5.1%
COMEX SILVER	0	2,925	-100.0%	94,237	67,016	0.41	0	89,914	-100.0%	1,255,526	1,174,412	6.9%
COMEX COPPER	0	9	-100.0%	18,434	1,441	11.79	0	1,403	-100.0%	100,675	29,705	238.9%
NYMEX PLATINUM	0	130	-100.0%	2,855	777	2.67	0	2,559	-100.0%	15,863	8,900	78.2%
PALLADIUM	0	0	0.0%	870	252	2.45	0	522	-100.0%	14,183	3,695	283.8%
GOLD	0	0	0.0%	30,412	6,346	3.79	0	666	-100.0%	183,031	55,927	227.3%
COPPER	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SILVER	0	0	0.0%	139	478	-0.71	0	0	0.0%	1,811	2,705	-33.0%
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%	10,670	17,318	-0.38	0	0	0.0%	148,863	170,973	-12.9%
ETHANOL FWD	-	0	0.0%	-	0	0	0	0	0.0%	0	0	0.0%
HOUSTON SHIP CHANNEL BAS	0	0	0.0%	0	93	-1	0	0	0.0%	0	1,195	-100.0%
NORTHWEST ROCKIES BASIS	0	0	0.0%	0	478	-1	0	0	0.0%	0	4,326	-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%	64,002	21,704	1.95	0	800	-100.0%	457,801	245,222	86.7%
HTG OIL	0	0	0.0%	0	0	0	0	36	-100.0%	144	0	0.0%
LTD NAT GAS	0	0	0.0%	164,086	93,311	0.76	0	0	0.0%	1,572,338	892,542	76.2%
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 DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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%	1,251,113	2,078,257	-0.4	0	344	-100.0%	21,532,029	23,488,440	-8.3%
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%	70	0	0.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	100	0	0	0	0	0.0%	1,050	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 AEEO 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 DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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 PEP CO 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 DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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	157	-100.0%	3,313,013	3,033,469	0.09	0	1,155	-100.0%	40,801,119	36,223,096	12.6%
GASOIL 10PPM CARGOES CIF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 10PPM VS ICE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPEAN NAPHTHA BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 BRGS FOB VS IC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DIESEL 10P BRG FOB RDM VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ARGUS PROPAN(SAUDI ARAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM AECO DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY HTG OIL	0	0	0.0%	3	5	-0.4	0	0	0.0%	35	105	-66.7%
WAHA BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY NATURAL GAS	0	0	0.0%	40,333	48,392	-0.17	0	0	0.0%	311,933	338,981	-8.0%
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%	300	0	0	0	0	0.0%	360	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 DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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	-	-	1,363	-		0	-	-	6,507	-	-
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 DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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	25	-100.0%	3,182,391	2,983,323	0.07	0	620	-100.0%	46,507,031	42,115,962	10.4%
SING FUEL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LLS (ARGUS) CALENDAR SWA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS DEM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOUSTON SHIP CHANNEL IND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE JET KERO NWE CALS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY WTI CRUDE OIL	0	0	0.0%	167,645	228,651	-0.27	0	0	0.0%	3,001,906	3,380,972	-11.2%
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	103	-100.0%	10,161,798	9,427,428	0.08	0	1,775	-100.0%	104,831,796	94,599,257	10.8%
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	579	-1	0	0	0.0%	2,996	1,617	85.3%
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	440	-100.0%	19,752,879	23,275,336	-0.15	0	20,553	-100.0%	303,456,331	268,962,925	12.8%
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%	325	74	3.39	0	0	0.0%	4,529	11,087	-59.2%
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	0	0	0	0	0.0%	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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	2	1	0	0	0.0%	51	51	0.0%
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	45	-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	149	-1	0	0	0.0%	0	1,188	-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%
NORTHERN NATURAL GAS VEN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DOMINION TRANSMISSION INC	0	0	0.0%	0	0	0	0	0	0.0%	0	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	112	-1	0	0	0.0%	0	1,114	-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 DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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%	126	0	0	0	0	0.0%	633	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%	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 DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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	428	-1	0	0	0.0%	0	2,358	-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%	9,242	115,939	-0.92	0	1,472	-100.0%	74,411	2,166,880	-96.6%
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 DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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%	97	12	7.08	0	0	0.0%	498	170	192.9%
EUROPEAN GASOIL (ICE)	0	0	0.0%	601	11,179	-0.95	0	0	0.0%	31,363	1,496,787	-97.9%
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%	0	0	0	0	0	0.0%	58	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0	0	0	0.0%	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%	0	0	0	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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 DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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 DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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%	0	0	0	0	0	0.0%	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	0	0.0%	19,986	7,192	1.78	0	9,909	-100.0%	149,597	39,804	275.8%
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	1,162	-100.0%	6,351	4,135	0.54	0	8,767	-100.0%	60,270	76,808	-21.5%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0	0	68	-100.0%	0	0	0.0%
RBOB PHY	0	622	-100.0%	4,539	3,979	0.14	0	9,221	-100.0%	80,535	89,735	-10.3%
NATURAL GAS PHY	0	4,271	-100.0%	2,613,386	989,103	1.64	0	26,722	-100.0%	16,836,154	9,091,858	85.2%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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	108	-100.0%	28	0	0	0	7,398	-100.0%	163	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%	0	0	0	0	200	-100.0%	3,920	0	0.0%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	200	0	0	0	0	0.0%	7,900	28,376	-72.2%
CRUDE OIL PHY	0	12,156	-100.0%	1,946,456	2,921,178	-0.33	0	235,059	-100.0%	34,980,827	34,610,856	1.1%
RBOB CALENDAR SWAP	0	9	-100.0%	0	0	0	0	59	-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	26	-100.0%	3	0	0	0	1,653	-100.0%	512	15	3,313.3%
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%	14,666	250	57.66	0	0	0.0%	69,294	250	27,617.6%
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%	16,950	28,638	-0.41	0	100	-100.0%	402,140	670,114	-40.0%
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%	16	15	6.7%
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%
PETRO OUTRIGHT NA	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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 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%
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%	1,377	0	0	0	0	0.0%	5,014	0	0.0%
SHORT TERM	0	0	0.0%	661	0	0	0	0	0.0%	1,195	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	0	0.0%	1,947,977	1,734,503	0.12	1,537	1,841	-16.5%	23,899,523	25,223,811	-5.3%
BRITISH POUND	14	56	-75.0%	3,068,950	2,496,734	0.23	263	1,536	-82.9%	31,048,707	28,965,961	7.2%
BRAZIL REAL	0	0	0.0%	80,904	32,583	1.48	0	0	0.0%	731,733	567,107	29.0%
CANADIAN DOLLAR	32	8	300.0%	1,734,996	1,404,677	0.24	2,716	1,070	153.8%	19,080,203	18,649,551	2.3%
E-MINI EURO FX	0	0	0.0%	106,509	108,342	-0.02	0	0	0.0%	1,140,403	948,825	20.2%
EURO FX	88	289	-69.6%	5,370,411	4,979,423	0.08	2,913	8,413	-65.4%	55,977,807	49,088,760	14.0%
E-MINI JAPANESE YEN	0	0	0.0%	8,563	30,938	-0.72	0	0	0.0%	316,956	392,863	-19.3%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Futures												
JAPANESE YEN	49	3	1,533.3%	3,128,652	3,096,708	0.01	9,030	4,352	107.5%	41,449,197	36,417,663	13.8%
MEXICAN PESO	0	20	-100.0%	1,363,597	1,029,534	0.32	5	20	-75.0%	12,869,533	13,965,262	-7.8%
NEW ZEALND DOLLAR	0	0	0.0%	548,070	548,234	0	0	0	0.0%	6,231,072	5,865,986	6.2%
NKR/USD CROSS RATE	0	0	0.0%	2,808	3,506	-0.2	0	0	0.0%	22,380	21,316	5.0%
RUSSIAN RUBLE	0	0	0.0%	52,518	41,193	0.27	0	0	0.0%	449,172	328,943	36.6%
S.AFRICAN RAND	0	0	0.0%	64,722	33,936	0.91	0	0	0.0%	555,018	237,977	133.2%
SWISS FRANC	0	0	0.0%	697,135	592,647	0.18	0	0	0.0%	6,904,907	5,891,655	17.2%
AD/CD CROSS RATES	0	0	0.0%	0	10	-1	0	0	0.0%	38	69	-44.9%
AD/JY CROSS RATES	0	0	0.0%	3,775	6,096	-0.38	0	0	0.0%	29,884	47,048	-36.5%
AD/NE CROSS RATES	0	0	0.0%	56	1	55	0	0	0.0%	996	691	44.1%
BP/JY CROSS RATES	0	0	0.0%	5,147	2,325	1.21	0	0	0.0%	37,284	22,487	65.8%
BP/SF CROSS RATES	0	0	0.0%	191	2	94.5	0	0	0.0%	1,103	479	130.3%
CD/JY CROSS RATES	0	0	0.0%	0	0	0	0	0	0.0%	554	15	3,593.3%
EC/AD CROSS RATES	0	0	0.0%	6,004	2,150	1.79	0	0	0.0%	31,051	19,910	56.0%
EC/CD CROSS RATES	0	0	0.0%	8,137	4,719	0.72	0	0	0.0%	53,911	31,900	69.0%
EC/NOK CROSS RATES	0	0	0.0%	253	2	125.5	0	0	0.0%	3,029	11	27,436.4%
EC/SEK CROSS RATES	0	0	0.0%	996	263	2.79	0	0	0.0%	8,498	1,133	650.0%
EFX/BP CROSS RATES	0	0	0.0%	142,062	79,926	0.78	0	0	0.0%	913,898	842,173	8.5%
EFX/JY CROSS RATES	0	0	0.0%	102,242	64,434	0.59	0	0	0.0%	800,666	488,022	64.1%
EFX/SF CROSS RATES	0	0	0.0%	48,767	48,984	0	0	0	0.0%	399,260	378,476	5.5%
SF/JY CROSS RATES	0	-	-	0	-		0	-	-	0	-	-
SKR/USD CROSS RATES	0	0	0.0%	4,939	2,855	0.73	0	0	0.0%	26,738	18,829	42.0%
HUNGARIAN FORINT (US)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
POLISH ZLOTY (US)	0	0	0.0%	325	719	-0.55	0	0	0.0%	1,618	7,888	-79.5%
POLISH ZLOTY (EC)	0	0	0.0%	9	42	-0.79	0	0	0.0%	416	4,720	-91.2%
SHEKEL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RMB USD	0	0	0.0%	24	79	-0.7	0	6	-100.0%	305	1,942	-84.3%
KOREAN WON	0	0	0.0%	323	35	8.23	0	0	0.0%	673	207	225.1%
TURKISH LIRA	0	0	0.0%	2	0	0	0	0	0.0%	20	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%	217,510	304,069	-0.28	0	0	0.0%	2,987,367	3,371,953	-11.4%
E-MICRO GBP/USD	0	0	0.0%	49,472	63,146	-0.22	0	0	0.0%	681,701	1,038,606	-34.4%
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%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Futures												
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%	65,633	69,951	-0.06	0	0	0.0%	1,012,132	1,218,358	-16.9%
E-MICRO JPY/USD	0	0	0.0%	22,521	51,185	-0.56	0	0	0.0%	450,068	396,958	13.4%
E-MICRO INR/USD	0	0	0.0%	1,985	3,297	-0.4	0	0	0.0%	31,089	29,960	3.8%
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%	2,247	2,986	-0.25	0	0	0.0%	19,769	19,265	2.6%
E-MICRO CAD/USD	0	0	0.0%	21,505	13,588	0.58	0	0	0.0%	244,321	245,995	-0.7%
INDIAN RUPEE	0	0	0.0%	44,530	15,301	1.91	0	0	0.0%	472,306	160,255	194.7%
USDZAR	0	0	0.0%	1	0	0	0	0	0.0%	1	6	-83.3%
E-MICRO CHF/USD	0	0	0.0%	936	1,314	-0.29	0	0	0.0%	11,952	21,814	-45.2%
BDI	0	0	0.0%	0	1,033	-1	0	0	0.0%	6,243	13,532	-53.9%

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FX Options												
AUSTRALIAN DOLLAR	0	0	0.0%	0	42,836	-1	2,674	13,722	-80.5%	200,250	1,436,190	-86.1%
BRITISH POUND	0	192	-100.0%	0	56,896	-1	693	34,573	-98.0%	462,114	2,196,165	-79.0%
CANADIAN DOLLAR	0	372	-100.0%	0	41,011	-1	4,597	25,856	-82.2%	183,080	1,414,382	-87.1%
EURO FX	0	2,615	-100.0%	0	347,124	-1	8,535	108,495	-92.1%	1,287,538	7,393,464	-82.6%
JAPANESE YEN	0	3,478	-100.0%	0	80,294	-1	8,468	69,162	-87.8%	544,469	3,205,258	-83.0%
MEXICAN PESO	0	20	-100.0%	820	987	-0.17	1,770	7,770	-77.2%	26,166	43,163	-39.4%
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	2,483	-1	0	272	-100.0%	5,710	71,017	-92.0%
JAPANESE YEN (EU)	0	0	0.0%	0	189	-1	0	0	0.0%	182	6,126	-97.0%
EURO FX (EU)	0	0	0.0%	4	91	-0.96	0	5	-100.0%	509	28,659	-98.2%
SWISS FRANC (EU)	0	-	-	0	-	-	0	-	-	15	-	-
CANADIAN DOLLAR (EU)	0	0	0.0%	10	7	0.43	0	0	0.0%	146	1,818	-92.0%
BRITISH POUND (EU)	0	0	0.0%	180	106	0.7	0	0	0.0%	4,609	9,270	-50.3%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	0	0	0	0	0.0%	2	1,146	-99.8%
EUR/USD PQO 2pm Fix	1,764	1,351	30.6%	605,620	329,378	0.84	31,710	4,021	688.6%	7,698,222	727,634	958.0%
CAD/USD PQO 2pm Fix	501	0	0.0%	169,089	67,690	1.5	6,646	510	1,203.1%	1,693,702	169,347	900.1%
JPY/USD PQO 2pm Fix	520	1,658	-68.6%	175,468	170,822	0.03	35,123	2,977	1,079.8%	2,996,133	382,335	683.6%
AUD/USD PQO 2pm Fix	0	500	-100.0%	74,203	61,133	0.21	5,746	2,540	126.2%	1,257,212	162,490	673.7%
GBP/USD PQO 2pm Fix	467	97	381.4%	218,144	78,983	1.76	5,469	1,420	285.1%	2,644,755	214,409	1,133.5%
CHF/USD PQO 2pm Fix	0	0	0.0%	1,550	5,244	-0.7	0	0	0.0%	38,525	13,121	193.6%
Commodities and Alternative Investments												
Futures												
CORN	12,805	23,657	-45.9%	3,711,972	3,812,429	-0.03	381,635	477,904	-20.1%	86,665,154	82,244,723	5.4%
SOYBEAN	11,256	18,080	-37.7%	4,971,433	4,564,101	0.09	169,418	337,723	-49.8%	51,831,507	58,822,255	-11.9%
SOYBEAN MEAL	5,474	2,592	111.2%	2,427,741	1,981,329	0.23	28,568	53,701	-46.8%	25,050,339	24,920,335	0.5%
SOYBEAN OIL	1,541	3,333	-53.8%	2,652,818	2,542,668	0.04	45,170	57,649	-21.6%	29,503,228	28,666,310	2.9%
OATS	0	0	0.0%	9,334	8,980	0.04	80	196	-59.2%	154,537	209,716	-26.3%
ROUGH RICE	0	0	0.0%	23,390	35,011	-0.33	0	0	0.0%	257,636	296,492	-13.1%
WHEAT	0	0	0.0%	0	5,796	-1	0	0	0.0%	119,222	77,239	54.4%
MINI CORN	0	0	0.0%	5,517	8,570	-0.36	0	0	0.0%	115,624	143,802	-19.6%

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Commodities and Alternative Investments												
Futures												
MINI SOYBEAN	0	0	0.0%	18,547	21,315	-0.13	0	0	0.0%	204,770	296,237	-30.9%
MINI WHEAT	0	0	0.0%	2,759	4,270	-0.35	0	0	0.0%	67,702	74,692	-9.4%
LIVE CATTLE	441	3,472	-87.3%	989,457	1,066,543	-0.07	38,318	39,282	-2.5%	16,087,063	13,072,861	23.1%
FEEDER CATTLE	0	15	-100.0%	274,899	200,589	0.37	538	306	75.8%	3,539,370	2,536,895	39.5%
LEAN HOGS	710	3,429	-79.3%	729,540	821,787	-0.11	34,887	28,628	21.9%	11,158,074	9,138,609	22.1%
LUMBER	0	0	0.0%	18,305	12,735	0.44	0	0	0.0%	203,573	173,494	17.3%
MILK	80	170	-52.9%	24,944	37,301	-0.33	2,994	1,645	82.0%	315,653	319,005	-1.1%
MLK MID	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NFD MILK	70	0	0.0%	4,621	3,139	0.47	99	13	661.5%	59,579	54,599	9.1%
BUTTER CS	0	0	0.0%	3,672	2,769	0.33	0	0	0.0%	39,041	38,178	2.3%
CLASS IV MILK	0	0	0.0%	323	1,580	-0.8	79	70	12.9%	10,336	14,232	-27.4%
DRY WHEY	0	0	0.0%	1,628	1,855	-0.12	0	0	0.0%	20,707	16,042	29.1%
GSCI EXCESS RETURN FUT	0	0	0.0%	320	300	0.07	0	0	0.0%	1,385	1,419	-2.4%
GOLDMAN SACHS	0	0	0.0%	28,228	33,918	-0.17	0	0	0.0%	402,183	357,688	12.4%
HDD WEATHER	0	0	0.0%	39	0	0	0	0	0.0%	89	579	-84.6%
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%	3	7	-0.57	0	0	0.0%	136	146	-6.8%
DOW-UBS COMMOD INDEX	0	0	0.0%	163,209	62,564	1.61	0	0	0.0%	1,032,734	417,312	147.5%
COTTON	0	0	0.0%	1	1	0	0	0	0.0%	20	578	-96.5%
COCOA TAS	0	0	0.0%	5	13	-0.62	0	0	0.0%	92	2,607	-96.5%
COFFEE	0	0	0.0%	0	0	0	0	0	0.0%	41	169	-75.7%
SUGAR 11	0	0	0.0%	0	0	0	0	0	0.0%	42	418	-90.0%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CASH-SETTLED CHEESE	0	0	0.0%	12,865	7,954	0.62	0	6	-100.0%	126,301	116,360	8.5%
FERTILIZER PRODUCS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHI WHEAT	4,981	13,474	-63.0%	1,596,229	1,546,972	0.03	159,318	207,945	-23.4%	33,330,843	30,620,576	8.9%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
KC WHEAT	103	608	-83.1%	645,249	602,245	0.07	10,323	13,237	-22.0%	12,234,918	9,321,333	31.3%

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Commodities and Alternative Investments												
Futures												
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	158,163	367,028	-56.9%	749,098	714,215	0.05	6,581,689	7,899,536	-16.7%	17,301,755	14,874,085	16.3%
SOYBEAN	190,296	252,183	-24.5%	969,678	802,763	0.21	3,420,941	5,008,253	-31.7%	13,559,475	15,059,421	-10.0%
SOYBEAN MEAL	90,231	47,312	90.7%	162,999	88,657	0.84	681,006	735,185	-7.4%	1,478,839	1,532,506	-3.5%
SOYBEAN OIL	40,200	75,506	-46.8%	77,031	88,838	-0.13	926,190	1,113,041	-16.8%	1,124,038	1,184,950	-5.1%
SOYBEAN CRUSH	25	32	-21.9%	0	0	0	741	4,825	-84.6%	0	0	0.0%
OATS	381	604	-36.9%	237	637	-0.63	6,497	8,720	-25.5%	7,565	9,856	-23.2%
ROUGH RICE	397	30	1,223.3%	527	563	-0.06	12,112	2,763	338.4%	12,629	17,012	-25.8%
WHEAT	325	0	0.0%	25	0	0	1,372	0	0.0%	528	409	29.1%
LIVE CATTLE	19,818	43,377	-54.3%	171,381	200,401	-0.14	558,398	1,236,316	-54.8%	2,342,992	2,796,574	-16.2%
FEEDER CATTLE	3,684	3,123	18.0%	30,758	23,445	0.31	52,018	53,127	-2.1%	360,535	356,511	1.1%
LEAN HOGS	11,686	34,045	-65.7%	127,275	164,134	-0.22	354,162	432,703	-18.2%	2,177,565	1,775,843	22.6%
LUMBER	0	3	-100.0%	1,609	1,023	0.57	44	115	-61.7%	16,175	12,407	30.4%
MILK	6,319	23,437	-73.0%	22,158	30,449	-0.27	139,463	162,840	-14.4%	281,662	220,596	27.7%
MLK MID	78	174	-55.2%	0	0	0	834	924	-9.7%	0	0	0.0%
NFD MILK	1,176	354	232.2%	3,696	461	7.02	17,085	20,714	-17.5%	35,804	13,684	161.6%
BUTTER CS	305	1,852	-83.5%	1,968	299	5.58	11,871	11,914	-0.4%	11,006	3,601	205.6%
CLASS IV MILK	30	541	-94.5%	955	1,257	-0.24	3,321	3,509	-5.4%	17,000	10,284	65.3%
DRY WHEY	478	288	66.0%	369	5	72.8	4,288	1,229	248.9%	3,193	96	3,226.0%
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%	46	18	155.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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												
CORN NEARBY+2 CAL SPRD	100	1,510	-93.4%	0	5	-1	15,838	36,671	-56.8%	102	87	17.2%
SOYBN NEARBY+2 CAL SPRD	0	300	-100.0%	0	0	0	460	1,701	-73.0%	600	0	0.0%
WHEAT NEARBY+2 CAL SPRD	425	849	-49.9%	185	233	-0.21	13,351	52,431	-74.5%	4,552	2,592	75.6%
JULY-DEC CORN CAL SPRD	400	50	700.0%	0	0	0	17,802	36,659	-51.4%	0	175	-100.0%
DEC-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0	1,923	590	225.9%	210	0	0.0%
JULY-NOV SOYBEAN CAL SPR	345	339	1.8%	200	0	0	69,695	65,531	6.4%	1,517	263	476.8%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0	1,414	33,474	-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	0	0	0.0%	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	0	581	-100.0%	0	0	0	1,972	851	131.7%	0	0	0.0%
JULY-DEC SOY OIL CAL SPRD	0	20	-100.0%	0	0	0	630	1,020	-38.2%	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	6,365	3,644	74.7%	9,781	5,901	0.66	56,796	61,205	-7.2%	62,510	30,425	105.5%
DEC-JULY CORN CAL SPRD	0	0	0.0%	0	0	0	39,888	26,533	50.3%	0	10	-100.0%
WHEAT-CORN ICSCO	2,290	300	663.3%	0	0	0	8,840	17,752	-50.2%	6	0	0.0%
DEC-DEC CORN CAL SPRD	76	895	-91.5%	0	0	0	11,862	18,763	-36.8%	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	102,568	128,562	-20.2%	325,578	326,082	0	1,704,411	2,030,577	-16.1%	5,806,017	4,945,553	17.4%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0	70	2,416	-97.1%	0	4	-100.0%
KC WHEAT	6,209	9,725	-36.2%	26,696	9,899	1.7	160,218	165,071	-2.9%	368,666	180,094	104.7%
MAR-JULY WHEAT CAL SPRD	600	689	-12.9%	45	154	-0.71	2,093	3,039	-31.1%	121	154	-21.4%
AUG-DEC SOYBEAN MEAL CS	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%
Intercommodity Spread	0	600	-100.0%	0	0	0	701	4,046	-82.7%	0	0	0.0%
SEP-DEC SOYBEAN MEAL CSC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
Ags Futures												
FERTILIZER PRODUCS	0	-	-	0	-	-	0	-	-	0	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 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
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	3,887	0	0	0	6	-100.0%	21,480	4	536,900.0%
Foreign Exchange Options												
AUD/USD PQO 2pm Fix	0	-	-	138	-	-	0	-	-	772	-	-
TOTAL FUTURES GROUP												
Interest Rate Futures	756,512	748,491	1.1%	99,714,799	109,977,306	-9.3%	9,596,451	9,133,417	5.1%	1,471,510,583	1,394,293,867	5.5%
Equity Index Futures	118,124	210,852	-44.0%	44,571,138	45,319,618	-1.7%	816,606	1,386,412	-41.1%	496,175,965	604,319,894	-17.9%
Metals Futures	0	803	-100.0%	9,304,489	6,466,874	43.9%	0	110,249	-100.0%	126,875,306	100,057,391	26.8%
Energy Futures	0	725	-100.0%	38,120,091	41,336,239	-7.8%	0	27,961	-100.0%	522,747,364	474,106,007	10.3%
FX Futures	183	376	-51.3%	18,925,404	16,871,470	12.2%	16,464	17,238	-4.5%	208,903,502	194,948,470	7.2%
Commodities and Alternative Inve	37,461	68,830	-45.6%	18,317,048	17,386,741	5.4%	871,427	1,218,305	-28.5%	272,531,974	261,955,451	4.0%
Ags Futures	0	-	-	0	-	-	0	-	-	0	-	-
Foreign Exchange Futures	0	0	0.0%	3,887	0	0.0%	0	6	-100.0%	21,480	4	536,900.0%
TOTAL FUTURES	912,280	1,030,077	-11.4%	228,956,856	237,358,248	-3.5%	11,300,948	11,893,588	-5.0%	3,098,766,174	3,029,681,084	2.3%
TOTAL OPTIONS GROUP												
Equity Index Options	1,165,547	879,590	32.5%	11,965,293	12,663,365	-5.5%	13,736,446	13,281,673	3.4%	155,035,810	147,084,683	5.4%
Interest Rate Options	16,335,927	21,045,931	-22.4%	16,985,067	16,023,382	6.0%	237,790,158	243,924,814	-2.5%	262,775,751	177,110,985	48.4%
Metals Options	0	8,003	-100.0%	787,345	626,603	25.7%	0	713,334	-100.0%	9,288,862	8,621,375	7.7%
Energy Options	0	18,354	-100.0%	4,624,603	3,954,475	16.9%	0	299,906	-100.0%	52,597,547	44,607,831	17.9%
FX Options	3,252	10,283	-68.4%	1,245,088	1,285,274	-3.1%	111,431	271,323	-58.9%	19,043,339	17,475,994	9.0%
Commodities and Alternative Inve	642,970	997,953	-35.6%	2,682,249	2,459,421	9.1%	14,881,995	19,261,316	-22.7%	44,975,592	43,027,383	4.5%
Foreign Exchange Options	0	-	-	138	-	-	0	-	-	772	-	-
TOTAL OPTIONS	18,147,696	22,960,114	-21.0%	38,289,783	37,012,520	3.5%	266,520,030	277,752,366	-4.0%	543,717,673	437,928,251	24.2%

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CME Group Exchange Volume Comparison Report - Monthly

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TOTAL COMBINED												
Interest Rate	17,092,439	21,794,422	-21.6%	116,699,866	126,000,688	-7.4%	247,386,609	253,058,231	-2.2%	1,734,286,334	1,571,404,852	10.4%
Equity Index	1,283,671	1,090,442	17.7%	56,536,431	57,982,983	-2.5%	14,553,052	14,668,085	-0.8%	651,211,775	751,404,577	-13.3%
Metals	0	8,806	-100.0%	10,091,834	7,093,477	42.3%	0	823,583	-100.0%	136,164,168	108,678,766	25.3%
Energy	0	19,079	-100.0%	42,744,694	45,290,714	-5.6%	0	327,867	-100.0%	575,344,911	518,713,838	10.9%
FX	3,435	10,659	-67.8%	20,170,492	18,156,744	11.1%	127,895	288,561	-55.7%	227,946,841	212,424,464	7.3%
Commodities and Alternative Inve	680,431	1,066,783	-36.2%	20,999,297	19,846,162	5.8%	15,753,422	20,479,621	-23.1%	317,507,566	304,982,834	4.1%
Ags	0	-	-	0	-	-	0	-	-	0	-	-
Foreign Exchange	0	0	0.0%	4,025	0	0.0%	0	6	-100.0%	22,252	4	556,200.0%
GRAND TOTAL	19,059,976	23,990,191	-20.6%	267,246,639	274,370,768	-2.6%	277,820,978	289,645,954	-4.1%	3,642,483,847	3,467,609,335	5.0%

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