



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Interest Rate Futures												
10-YR NOTE	189,066	125,903	50.2%	46,653,093	27,741,687	68.17%	1,368,175	1,273,467	7.4%	363,899,674	300,792,690	21.0%
10-YR SWAP RATE	0	0	0.0%	13,654	31,887	-57.18%	0	0	0.0%	392,435	433,592	-9.5%
1-MONTH EURODOLLAR	0	0	0.0%	0	2,091	-100.00%	0	0	0.0%	31,342	47,355	-33.8%
2-YR NOTE	2,570	1,245	106.4%	9,184,164	6,217,267	47.72%	30,573	16,890	81.0%	98,447,204	69,979,446	40.7%
2-YR SWAP RATE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
30-YR BOND	17,870	12,855	39.0%	10,159,400	5,536,559	83.50%	208,043	167,684	24.1%	73,850,539	58,691,259	25.8%
30-YR SWAP RATE	0	0	0.0%	0	172	-100.00%	0	0	0.0%	983	10,250	-90.4%
5-YR NOTE	31,703	20,873	51.9%	24,528,161	14,310,343	71.40%	336,142	217,838	54.3%	218,993,924	174,382,682	25.6%
5-YR SWAP RATE	0	0	0.0%	15,818	28,117	-43.74%	0	0	0.0%	232,505	441,246	-47.3%
7-YR SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EURODOLLARS	730,435	805,345	-9.3%	71,095,732	50,635,232	40.41%	7,991,228	6,347,189	25.9%	615,369,845	529,982,361	16.1%
FED FUND	0	0	0.0%	6,296,855	2,926,454	115.17%	0	30	-100.0%	51,256,705	41,869,427	22.4%
SOFR	0	-	-	175,035	-	-	0	-	-	530,872	-	-
SONIA	0	-	-	61,399	-	-	0	-	-	61,399	-	-
Ultra 10-Year Note	0	0	0.0%	3,976,041	2,253,390	76.45%	0	8	-100.0%	36,552,646	21,842,622	67.3%
ULTRA T-BOND	0	0	0.0%	3,772,188	2,181,422	72.92%	230	15	1,433.3%	34,749,719	24,778,408	40.2%
Interest Rate Options												
10-YR NOTE	3,433,142	2,102,071	63.3%	16,250,094	10,549,751	54.03%	23,046,362	22,201,926	3.8%	108,892,543	86,330,061	26.1%
2-YR NOTE	102,871	61,017	68.6%	307,512	177,997	72.76%	1,418,627	636,589	122.8%	3,820,176	1,100,687	247.1%
30-YR BOND	407,128	231,867	75.6%	4,661,968	2,034,755	129.12%	3,198,577	2,600,957	23.0%	25,683,282	20,461,675	25.5%
5-YR NOTE	722,341	512,806	40.9%	2,864,161	2,356,779	21.53%	6,763,433	5,462,214	23.8%	25,560,421	19,827,494	28.9%
EURODOLLARS	10,492,464	7,772,111	35.0%	5,440,711	3,471,967	56.70%	91,787,967	82,939,316	10.7%	45,065,418	39,377,920	14.4%
EURO MIDCURVE	8,720,772	11,478,636	-24.0%	6,974,780	8,437,344	-17.33%	88,597,733	88,227,561	0.4%	52,940,186	57,093,404	-7.3%
FED FUND	0	1,000	-100.0%	0	10	-100.00%	1,750	15,398	-88.6%	15,963	1,417	1,026.5%
Ultra 10-Year Note	40	700	-94.3%	0	0	0.00%	40	1,652	-97.6%	28	6,835	-99.6%
ULTRA T-BOND	5,609	166	3,278.9%	6,565	3,824	71.68%	40,237	10,956	267.3%	27,082	19,605	38.1%
	0	-	-	6,600	-	-	250	-	-	6,601	-	-

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Equity Index Futures												
BITCOIN FUTURES	0	-	-	57,057	-		0	-	-	717,151	-	-
DJ US REAL ESTATE	0	0	0.0%	19,844	16,623	19.38%	0	0	0.0%	232,725	158,209	47.1%
E-mini (\$5) Dow	0	0	0.0%	7,074,702	2,136,239	231.18%	0	0	0.0%	48,395,941	27,218,477	77.8%
E-mini FTSE 100 (USD)	0	0	0.0%	1,827	593	208.09%	0	0	0.0%	14,232	979	1,353.7%
E-mini FTSE China 50	0	0	0.0%	986	1,842	-46.47%	0	0	0.0%	10,751	14,887	-27.8%
E-MINI MIDCAP	0	0	0.0%	513,243	224,115	129.01%	0	0	0.0%	3,823,000	3,482,528	9.8%
E-MINI NASDAQ 100	0	0	0.0%	16,619,934	5,458,936	204.45%	0	0	0.0%	95,895,388	56,058,796	71.1%
E-MINI RUSSELL 1000	0	0	0.0%	13,246	4,463	196.80%	0	0	0.0%	85,945	21,702	296.0%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	10,957	2,493	339.51%	0	0	0.0%	75,142	14,653	412.8%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	13,709	3,347	309.59%	0	0	0.0%	95,319	22,487	323.9%
E-MINI RUSSELL 2000	0	0	0.0%	4,215,012	1,641,751	156.74%	0	0	0.0%	29,049,179	5,046,192	475.7%
E-MINI S&P500	0	0	0.0%	52,871,230	24,289,311	117.67%	0	0	0.0%	351,913,410	306,201,773	14.9%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	9,140	2,064	342.83%	0	0	0.0%	38,359	25,431	50.8%
FT-SE 100	0	0	0.0%	1,390	799	73.97%	0	0	0.0%	12,645	5,530	128.7%
FTSE Emerging	0	0	0.0%	817	187	336.90%	0	0	0.0%	5,051	456	1,007.7%
IBOVESPA INDEX	0	0	0.0%	1,878	1,011	85.76%	0	0	0.0%	11,339	6,398	77.2%
NASDAQ BIOTECH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NIFTY 50	0	0	0.0%	0	14,123	-100.00%	0	0	0.0%	54,444	117,121	-53.5%
NIKKEI 225 (\$) STOCK	0	0	0.0%	401,080	245,441	63.41%	0	0	0.0%	3,155,263	2,598,198	21.4%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	1,305,110	868,933	50.20%	0	0	0.0%	8,968,346	8,918,421	0.6%
S&P 500	16,580	11,070	49.8%	4,446	4,715	-5.71%	410,620	676,179	-39.3%	45,778	43,881	4.3%
S&P 500/GI	0	0	0.0%	0	18	-100.00%	0	0	0.0%	73	250	-70.8%
S&P 500/VALUE	0	0	0.0%	11,204	5,216	114.80%	0	0	0.0%	47,245	72,576	-34.9%
S&P 600 SMALLCAP EMINI	0	-	-	0	-		0	-	-	1	-	-
S&P CONSUMER DSCRTNRY S	0	0	0.0%	37,850	4,379	764.35%	0	0	0.0%	152,179	42,165	260.9%
S&P CONSUMER STAPLES SE	0	0	0.0%	23,919	5,487	335.92%	0	0	0.0%	144,612	84,037	72.1%
S&P ENERGY SECTOR	0	0	0.0%	35,247	5,220	575.23%	0	0	0.0%	204,954	100,977	103.0%
S&P FINANCIAL SECTOR	0	0	0.0%	57,343	9,071	532.16%	0	0	0.0%	306,522	152,303	101.3%
S&P HEALTH CARE SECTOR	0	0	0.0%	24,622	4,508	446.18%	0	0	0.0%	139,881	88,502	58.1%
S&P INDUSTRIAL SECTOR	0	0	0.0%	22,259	4,172	433.53%	0	0	0.0%	132,255	46,425	184.9%
S&P MATERIALS SECTOR	0	0	0.0%	17,589	4,823	264.69%	0	0	0.0%	84,131	58,564	43.7%
S&P TECHNOLOGY SECTOR	0	0	0.0%	92,542	4,466	1,972.15%	0	0	0.0%	262,574	53,858	387.5%
S&P UTILITIES SECTOR	0	0	0.0%	46,909	8,138	476.42%	0	0	0.0%	248,975	144,639	72.1%
YEN DENOMINATED TOPIX	0	-	-	844	-		0	-	-	5,137	-	-

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Equity Index Options												
E-mini (\$5) Dow	0	0	0.0%	10,893	7,372	47.76%	0	0	0.0%	97,684	54,300	79.9%
E-MINI MIDCAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-MINI NASDAQ 100	0	0	0.0%	320,771	292,479	9.67%	0	0	0.0%	2,433,924	2,339,933	4.0%
E-MINI RUSSELL 2000	0	0	0.0%	16,701	12,380	34.90%	0	0	0.0%	132,143	22,206	495.1%
E-MINI S&P500	0	0	0.0%	7,343,010	3,657,995	100.74%	14,660	1,935	657.6%	58,454,468	41,359,116	41.3%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	7,063	1,678	320.92%	0	0	0.0%	63,859	11,525	454.1%
EOM EMINI S&P	0	0	0.0%	3,963,261	1,962,598	101.94%	0	0	0.0%	26,659,621	19,918,687	33.8%
EOM S&P 500	163,092	217,950	-25.2%	0	0	0.00%	1,832,761	1,832,844	0.0%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	3,421	2,456	39.29%	0	0	0.0%	20,919	4,935	323.9%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	3,155	2,650	19.06%	0	0	0.0%	26,123	4,861	437.4%
EOW1 EMINI S&P 500	0	0	0.0%	1,565,202	1,082,551	44.58%	0	0	0.0%	11,223,203	10,558,773	6.3%
EOW1 S&P 500	108,076	104,396	3.5%	0	0	0.00%	844,161	874,056	-3.4%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	6,050	4,268	41.75%	0	0	0.0%	49,985	6,668	649.6%
EOW2 EMINI S&P 500	0	0	0.0%	2,033,459	916,206	121.94%	0	0	0.0%	13,018,274	10,531,587	23.6%
EOW2 S&P 500	244,167	206,966	18.0%	0	0	0.00%	1,587,865	1,668,096	-4.8%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	19,322	20,186	-4.28%	0	0	0.0%	193,526	43,338	346.6%
EOW3 EMINI S&P 500	0	0	0.0%	6,329,971	3,490,647	81.34%	0	3,000	-100.0%	37,235,929	34,061,586	9.3%
EOW3 S&P 500	244,449	469,573	-47.9%	0	0	0.00%	2,793,781	3,644,200	-23.3%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	7,240	5,357	35.15%	0	0	0.0%	53,258	8,449	530.3%
EOW4 EMINI S&P 500	0	0	0.0%	1,865,379	1,083,350	72.19%	0	0	0.0%	11,429,053	9,643,492	18.5%
S&P 500	312,162	275,881	13.2%	0	0	0.00%	3,036,519	3,138,052	-3.2%	0	0	0.0%

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Metals Futures												
ALUMINUM	0	0	0.0%	955	191	400.00%	0	0	0.0%	7,946	6,846	16.1%
COMEX COPPER	0	0	0.0%	2,603,469	2,395,581	8.68%	0	0	0.0%	28,488,338	21,448,557	32.8%
COMEX E-Mini GOLD	0	0	0.0%	11,250	5,343	110.56%	0	0	0.0%	82,303	80,343	2.4%
COMEX E-Mini SILVER	0	0	0.0%	936	471	98.73%	0	0	0.0%	11,507	8,084	42.3%
COMEX GOLD	0	0	0.0%	6,263,564	6,514,119	-3.85%	0	0	0.0%	67,391,578	57,040,397	18.1%
COMEX MINY COPPER	0	0	0.0%	415	459	-9.59%	0	0	0.0%	4,596	7,013	-34.5%
COMEX SILVER	0	0	0.0%	1,746,359	1,793,724	-2.64%	0	0	0.0%	19,817,548	18,674,763	6.1%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
E-MICRO GOLD	0	0	0.0%	246,996	106,238	132.49%	0	0	0.0%	1,483,874	946,127	56.8%
FERROUS PRODUCTS	0	0	0.0%	456	0	0.00%	0	0	0.0%	818	85	862.4%
GOLD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	1	-100.0%
Gold Kilo	0	0	0.0%	0	153	-100.00%	0	0	0.0%	136	3,276	-95.8%
IRON ORE 62 CHINA PLATTS F	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI FUTU	0	0	0.0%	8	220	-96.36%	0	0	0.0%	149	2,810	-94.7%
LNDN ZINC	0	0	0.0%	4,601	20	22,905.00%	0	0	0.0%	10,544	115	9,068.7%
METALS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYMEX HOT ROLLED STEEL	0	0	0.0%	2,401	1,157	107.52%	0	0	0.0%	30,300	3,905	675.9%
NYMEX PLATINUM	0	0	0.0%	373,995	335,247	11.56%	0	0	0.0%	4,468,257	3,778,453	18.3%
PALLADIUM	0	0	0.0%	112,340	83,314	34.84%	0	0	0.0%	1,161,127	1,116,591	4.0%
SILVER	0	0	0.0%	9,494	4,985	90.45%	0	0	0.0%	77,342	58,404	32.4%
URANIUM	0	0	0.0%	173	0	0.00%	0	0	0.0%	766	427	79.4%

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Metals Options												
COMEX COPPER	0	0	0.0%	35,694	16,137	121.19%	0	0	0.0%	206,710	70,266	194.2%
COMEX GOLD	0	0	0.0%	1,013,201	625,816	61.90%	0	0	0.0%	7,828,821	6,513,341	20.2%
COMEX SILVER	0	0	0.0%	121,120	79,409	52.53%	0	0	0.0%	1,283,915	1,076,342	19.3%
COPPER	0	-	-	41	-	-	0	-	-	471	-	-
GOLD	0	0	0.0%	59,977	17,955	234.04%	0	0	0.0%	411,708	127,637	222.6%
HOT ROLLED COIL STEEL CAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI CALL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI PUT O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX PLATINUM	0	0	0.0%	1,250	955	30.89%	0	0	0.0%	18,597	10,884	70.9%
PALLADIUM	0	0	0.0%	747	1,198	-37.65%	0	0	0.0%	14,567	11,589	25.7%
SILVER	0	0	0.0%	3,291	206	1,497.57%	0	0	0.0%	20,475	1,634	1,153.1%
Energy Futures												
3.5% FUEL OIL CID MED SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
3.5% FUEL OIL CIF BALMO S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ALGONQUIN CITYGATES BASI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ANR LOUISIANA BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ANR OKLAHOMA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
APPALACHIAN COAL (PHY)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ARGUS LLS VS. WTI (ARG) T	0	0	0.0%	0	0	0.00%	0	0	0.0%	30	60	-50.0%
ARGUS PROPAN FAR EST IND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ARGUS PROPAN(SAUDI ARAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AUSTRIALIAN COKE COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CFD SWAP	0	-	-	0	-	-	0	-	-	0	-	-
BRENT FINANCIAL FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Futures												
BRENT OIL LAST DAY	0	0	0.0%	2,222,370	1,406,972	57.95%	0	0	0.0%	17,513,713	18,745,600	-6.6%
CAISO SP15 EZGNHUB5 MW P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CANADIAN LIGHT SWEET OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CENTERPOINT BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CENTERPOINT EAST INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CEU ENERGY	0	-	-	569	-	-	0	-	-	63,719	-	-
CHICAGO ETHANOL SWAP	0	0	0.0%	75	1,347	-94.43%	0	0	0.0%	2,005	3,583	-44.0%
CHICAGO ULSD (PLATTS) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHICAGO UNL GAS PL VS RBO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIG BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIG ROCKIES NG INDEX SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CINERGY HUB OFF-PEAK MON	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COLUMB GULF MAINLINE NG B	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COLUMBIA GULF MAIN NAT G	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
COLUMBIA GULF ONSHORE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CONWAY NATURAL GASOLINE	0	0	0.0%	5	0	0.00%	0	0	0.0%	5	0	0.0%
CONWAY NORMAL BUTANE (O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CONWAY PROPANE 5 DECIMA	0	0	0.0%	0	3	-100.00%	0	0	0.0%	32	54	-40.7%
CRUDE OIL	0	0	0.0%	0	100	-100.00%	0	0	0.0%	89	507	-82.4%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	0	0	0.0%	24,007,564	24,481,485	-1.94%	0	0	0.0%	251,528,141	256,634,849	-2.0%
CRUDE OIL SPRDS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	50	-100.0%
CRUDE OIL TRADE AT MARKE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DAILY PJM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DATED TO FRONTLINE BRENT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Futures												
DEMARC INDEX FUTURE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DEMARC SWING SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DIESEL 10P BRG FOB RDM VS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DIESEL 10PPM BARGES FOB B	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DLY GAS EURO-BOB OXY	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DOMINION TRAN INC - APP I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DOMINION TRANSMISSION INC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL CALENDAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DY EURO 3.5% FUEL OI RDA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EASTERN RAIL DELIVERY CSX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EAST/WEST FUEL OIL SPREAD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EIA FLAT TAX ONHWAY DIESE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC ERCOT DLY OFF PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	0	-	-	0	-		0	-	-	0	-	-
ELEC FINSETTLED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC MISO PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC WEST POWER OFF-PEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC WEST POWER PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EL PASO PERMIAN INDEX SWA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ERCOT DAILY 5MW PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT HOUSTON Z MCPE 5M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL	0	0	0.0%	9,346	10,185	-8.24%	0	0	0.0%	88,926	128,250	-30.7%
ETHANOL FWD	-	-	-	-	-		-	0	0.0%	-	0	0.0%
ETHANOL SWAP	0	-	-	0	-		0	-	-	0	-	-
ETHANOL T2 FOB ROTT INCL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Futures												
EURO 3.5% FUEL OIL RDAM B	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO 3.5% FUEL OIL SPREAD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO GASOIL 10 CAL SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EURO GASOIL 10PPM VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL NWE CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL RDAM C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPEAN GASOIL (ICE)	0	0	0.0%	1,354	863	56.89%	0	0	0.0%	5,675	29,272	-80.6%
EUROPEAN NAPHTHA BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPEAN NAPHTHA CRACK S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE DATED BRENT SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE JET KERO NWE CALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE NAPHTHA CALSWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO PROPANE CIF ARA SW	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FL GAS ZONE 3 NAT GAS IND	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
FLORIDA GAS ZONE3 BASIS S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUEL OIL CRACK VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUEL OIL NWE CRACK VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUELOIL SWAP:CARGOES VS.	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 BRGS FOB VS IC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GASOIL 0.1 CIF MED SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF NWE VS ISE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CRG CIF NW VS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 ROTTERDAM BAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Futures												
GASOIL 10P CRG CIF NW VS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 10PPM CARGOES CIF	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GASOIL 10PPM VS ICE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL BULLET SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL CRACK SPREAD CALE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL MINI CALENDAR SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOLINE UP-DOWN BALMO S	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GROUP THREE ULSD (PLATTS)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GROUP THREE UNLEAD GAS (0	-	-	0	-		0	-	-	0	-	-
GRP THREE ULSD(PLT)VS HEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GRP THREE UNL GS (PLT) VS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST 3% FUEL OIL BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST GASOLINE CLND	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GULF COAST JET FUEL CLNDR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST JET VS NYM 2 H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST NO.6 FUEL OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CALEND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CRACK SP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRCK SPRD BAL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HEATING OIL PHY	0	0	0.0%	3,772,259	3,617,837	4.27%	0	0	0.0%	36,656,073	34,167,290	7.3%
HENRY HUB BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2,996	-100.0%
HENRY HUB FINANCIAL LAST	0	0	0.0%	522	1,701	-69.31%	0	0	0.0%	27,703	3,248	752.9%
HENRY HUB INDEX SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2,996	-100.0%
HENRY HUB SWAP	0	0	0.0%	3,375	916	268.45%	0	0	0.0%	59,584	61,980	-3.9%
HENRY HUB SWING FUTURE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HOUSTON SHIP CHANNEL BAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOUSTON SHIP CHANNEL IND	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HTG OIL	0	0	0.0%	0	60	-100.00%	0	0	0.0%	0	144	-100.0%
HUSTN SHIP CHNL PIPE SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ICE GASOIL BALMO SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IN DELIVERY MONTH EUA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Futures												
INDIANA MISO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
INDONESIAN COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
INDONESIAN COAL IC14	0	-	-	0	-		0	-	-	0	-	-
ISO NEW ENGLAND OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN NAPHTHA BALMO SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET AV FUEL (P) CAR FM ICE G	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET BARGES VS ICE GASOIL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JET CIF NWE VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET FUEL BRG FOB RDM VS I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET FUEL CRG CIF NEW VS I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET FUEL UP-DOWN BALMO C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARBOB GASOLINE(OPIS)S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA JET FUEL VS NYM NO 2 H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA JET (OPIS) SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LLS (ARGUS) CALENDAR SWA	0	-	-	0	-		0	-	-	0	-	-
LLS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	15	-100.0%
LTD NAT GAS	0	0	0.0%	251,258	142,164	76.74%	0	0	0.0%	2,061,360	1,250,529	64.8%
MARS (ARGUS) VS WTI SWAP	0	0	0.0%	0	70	-100.00%	0	0	0.0%	0	70	-100.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	200	800	-75.00%	0	0	0.0%	575	800	-28.1%
MARS BLEND CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	200	-100.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	12	0	0.00%	0	0	0.0%	731	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MGF FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MGN1 SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MICHCON NG INDEX SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MICHIGAN BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI GAS EUROBOB OXY NWE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOBARG NWE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Futures												
MINI RBOB V. EBOB(ARGUS) N	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINY HTG OIL	0	0	0.0%	4	3	33.33%	0	0	0.0%	40	28	42.9%
MINY NATURAL GAS	0	0	0.0%	47,272	24,478	93.12%	0	0	0.0%	274,838	243,223	13.0%
MINY RBOB GAS	0	0	0.0%	4	4	0.00%	0	0	0.0%	37	43	-14.0%
MINY WTI CRUDE OIL	0	0	0.0%	469,979	233,943	100.89%	0	0	0.0%	3,459,217	2,599,082	33.1%
MJC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MNC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE 5 DEC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE OPIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	25	45	-44.44%	0	0	0.0%	209	327	-36.1%
MONT BELVIEU LDH PROPANE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	20	-100.00%	0	0	0.0%	0	20	-100.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NAT GAS BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	44,545	35,812	24.39%	0	0	0.0%	484,015	355,347	36.2%
NATURAL GAS FIXED PRICE S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PEN SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	62	-100.0%
NATURAL GAS PHY	0	0	0.0%	11,979,420	10,293,023	16.38%	0	0	0.0%	89,398,685	84,984,614	5.2%
NEPOOL CNCTCT 5MW D AH O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL NEW HAMP 5MW D A	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL RHD ISLD 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL SE MASS 5MW D AH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL W CNT MASS 5MW D	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL W CNTR M 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW ENGLAND HUB PEAK DAI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Futures												
NEW YORK ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE G PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NGPL MIDCONTINENT INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NGPL MIDCONTINENT SWING	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NGPL TEX/OK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NGPL TEXOK INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
N ILLINOIS HUB DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS DEM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS VEN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHERN ILLINOIS OFF-PEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHWEST ROCKIES BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY 2.2% FUEL OIL (PLATTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR 1% FUEL OIL BAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	67	3	2,133.3%
NY HARBOR LOW SULPUR GA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR RESIDUAL FUEL 1	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYH NO 2 CRACK SPREAD CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY H OIL PLATTS VS NYMEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO A	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO A OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO CAPACITY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO G	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO G OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO J	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Futures												
NYISO ZONE C 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY JET FUEL (PLATTS) HEAT C	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYMEX ALUMINUM FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY ULSD (ARGUS) VS HEATIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ONEOK OKLAHOMA NG BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PANHANDLE BASIS SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PANHANDLE INDEX SWAP FUT	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PANHANDLE PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS ASIA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM AECO DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM AECO DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM APS ZONE DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM APS ZONE DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM ATSI ELEC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Futures												
PJM DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM JCPL DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM JCPL DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM MONTHLY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NILL DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM OFF-PEAK LMP SWAP FU	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK C	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM PPL DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PPL DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50 M	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM WESTH DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTHDA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH RT OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH RT PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PLASTICS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREMIUM UNLD 10P FOB MED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREMIUM UNLEAD 10PPM FOB	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MB (OPIS)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MT. BEL (0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5	-100.0%
RBOB CRACK SPREAD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CRACK SPREAD BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLNC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	4,415,113	3,488,294	26.57%	0	0	0.0%	40,089,072	39,831,425	0.6%
RBOB (PLATTS) CAL SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Futures												
RBOB SPREAD (PLATTS) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB UP-DOWN CALENDAR S	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ROCKIES KERN OPAL - NW IN	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SAN JUAN BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	0	-	-	0	-	-	0	-	-	0	-	-
SINGAPORE 180CST BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST FUEL OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL 180CST CAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL OIL SPREA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL CALEND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	36	-94.4%
SINGAPORE GASOIL VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO GASOI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KEROSENE S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO VS. GA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	5	-60.0%
SINGAPORE NAPHTHA BALMO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SINGAPORE NAPHTHA SWAP	0	-	-	0	-	-	0	-	-	0	-	-
SING FUEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SONAT BASIS SWAP FUTURE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SOUTHERN NAT LA NAT GAS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SOUTH STAR TEX OKLHM KNS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Sumas Basis Swap	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SUMAS NAT GAS PLATTS FIXE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TC2 ROTTERDAM TO USAC 37	0	-	-	0	-	-	0	-	-	0	-	-
TC5 RAS TANURA TO YOKOHA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TCO BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TCO NG INDEX SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Futures												
TD3 MEG TO JAPAN 250K MT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TENN 800 LEG NAT GAS INDE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TENNESSEE 500 LEG BASIS S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TENNESSEE 800 LEG NG BASI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TENNESSEE ZONE 0 BASIS S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TETCO M-3 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Tetco STX Basis	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TEXAS EASTERN ZONE M-3 BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TEXAS GAS ZONE1 NG BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Transco Zone 3 Basis	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 3 NG INDEX S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE4 BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 4 NAT GAS IN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 BASIS SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UCM FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF MED BALMO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ULSD 10PPM CIF MED SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF MED VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF NW BALMO S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF VS ICE GAS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ULSD UP-DOWN BALMO SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UP DOWN GC ULSD VS NMX H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
USGC UNL 87 CRACK SPREAD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
WAHA BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WAHA INDEX SWAP FUTURE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WESTERN RAIL DELIVERY PR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI-BRENT CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	6	120	-95.0%
WTI CALENDAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI TRD MT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Options												
12 MO GASOIL CAL SWAP SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
1 MO GASOIL CAL SWAP SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRENT 1 MONTH CAL	0	-	-	0	-		0	-	-	0	-	-
BRENT CALENDAR SWAP	0	0	0.0%	12	0	0.00%	0	0	0.0%	12	0	0.0%
BRENT CRUDE OIL 12 M CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CRUDE OIL 1 M CSO	0	-	-	0	-		0	-	-	2,900	-	-
BRENT CRUDE OIL 6 M CSO	0	-	-	0	-		0	-	-	0	-	-
BRENT OIL LAST DAY	0	0	0.0%	127,284	17,873	612.16%	0	0	0.0%	677,713	103,330	555.9%
COAL API2 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL API4 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL 1MO	0	0	0.0%	26,520	56,107	-52.73%	0	0	0.0%	151,755	322,700	-53.0%
CRUDE OIL APO	0	0	0.0%	0	10	-100.00%	0	0	0.0%	331	70	372.9%
CRUDE OIL CALNDR STRIP	0	-	-	0	-		0	-	-	0	-	-
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	0	0	0.0%	3,467,867	2,392,596	44.94%	0	0	0.0%	29,718,232	29,640,686	0.3%
ELEC FINSETTLED	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ELEC MISO PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EUROPEAN JET KEROSENE N	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOLINE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRACK OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRK SPD AVG P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	0	0	0.0%	4,467	6,416	-30.38%	0	0	0.0%	51,007	49,667	2.7%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	0	0.0%
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HUSTN SHIP CHNL PIPE SWP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
LLS CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	750	500	50.00%	0	0	0.0%	2,379	3,920	-39.3%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Energy Options												
NATURAL GAS 2 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 3 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	1	0	0.0%
NATURAL GAS 5 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 6 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS OPTION ON CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	0	0.0%	1,930,567	1,666,876	15.82%	0	0	0.0%	13,002,411	12,260,278	6.1%
NATURAL GAS WINTER STRIP	0	-	-	0	-	-	0	-	-	0	-	-
NG HH 3 MONTH CAL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	62	15	313.33%	0	0	0.0%	558	483	15.5%
NYISO ZONE G 5MW PEAK OP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL A	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL O	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PANHANDLE PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	23	8	187.5%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	-	-	0	-	-	0	-	-	0	-	-
PJM MONTHLY	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM WES HUB PEAK CAL MTH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB 1MO CAL SPD OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	10	-100.0%
RBOB CRACK	0	-	-	2	-	-	0	-	-	2	-	-
RBOB PHY	0	0	0.0%	2,574	6,922	-62.81%	0	0	0.0%	33,761	69,256	-51.3%
ROTTERDAM 3.5%FUEL OIL CL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SHORT TERM	0	0	0.0%	0	192	-100.00%	0	0	0.0%	996	252	295.2%
SHORT TERM NATURAL GAS	0	0	0.0%	160	924	-82.68%	0	0	0.0%	1,005	1,102	-8.8%
SINGAPORE GASOIL CALEND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	7,270	26,444	-72.51%	0	0	0.0%	146,035	41,604	251.0%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0.00%	0	0	0.0%	15,050	4,000	276.3%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	0	1	-100.00%	0	0	0.0%	53	38	39.5%
AD/JY CROSS RATES	0	0	0.0%	3,143	2,596	21.07%	0	0	0.0%	42,431	24,542	72.9%
AD/NE CROSS RATES	0	0	0.0%	34	130	-73.85%	0	0	0.0%	733	889	-17.5%
AUSTRALIAN DOLLAR	0	0	0.0%	2,223,140	2,238,610	-0.69%	0	1,537	-100.0%	23,544,616	19,984,558	17.8%
BDI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	6,243	-100.0%
BP/JY CROSS RATES	0	0	0.0%	2,619	3,250	-19.42%	0	0	0.0%	30,710	28,494	7.8%
BP/SF CROSS RATES	0	0	0.0%	327	40	717.50%	0	0	0.0%	3,681	737	399.5%
BRAZIL REAL	0	0	0.0%	135,413	107,412	26.07%	0	0	0.0%	1,024,057	563,043	81.9%
BRITISH POUND	0	1	-100.0%	2,399,070	2,566,333	-6.52%	10	249	-96.0%	26,903,347	25,042,717	7.4%
CANADIAN DOLLAR	4	152	-97.4%	1,665,256	1,552,269	7.28%	45	2,684	-98.3%	17,410,691	15,931,465	9.3%
CD/JY CROSS RATES	0	0	0.0%	100	0	0.00%	0	0	0.0%	949	554	71.3%
CHINESE RENMINBI (CNH)	0	0	0.0%	18,250	1,656	1,002.05%	0	0	0.0%	77,644	15,424	403.4%
CZECK KORUNA (EC)	0	-	-	0	-	-	0	-	-	6	-	-
CZECK KORUNA (US)	0	-	-	0	-	-	0	-	-	15	-	-
EC/AD CROSS RATES	0	0	0.0%	1,144	1,973	-42.02%	0	0	0.0%	19,760	23,514	-16.0%
EC/CD CROSS RATES	0	0	0.0%	1,221	4,030	-69.70%	0	0	0.0%	32,331	43,432	-25.6%
EC/NOK CROSS RATES	0	0	0.0%	235	724	-67.54%	0	0	0.0%	3,992	2,010	98.6%
EC/SEK CROSS RATES	0	0	0.0%	137	888	-84.57%	0	0	0.0%	7,980	6,277	27.1%
EFX/BP CROSS RATES	0	0	0.0%	61,013	57,364	6.36%	0	0	0.0%	812,429	704,954	15.2%
EFX/JY CROSS RATES	0	0	0.0%	63,757	53,580	18.99%	0	0	0.0%	802,975	643,755	24.7%
EFX/SF CROSS RATES	0	0	0.0%	26,945	23,151	16.39%	0	0	0.0%	294,471	333,337	-11.7%
E-MICRO AUD/USD	0	0	0.0%	110,881	81,737	35.66%	0	0	0.0%	1,078,769	862,879	25.0%
E-MICRO CAD/USD	0	0	0.0%	14,438	19,073	-24.30%	0	0	0.0%	173,848	205,166	-15.3%
E-MICRO CHF/USD	0	0	0.0%	1,493	1,096	36.22%	0	0	0.0%	14,786	9,670	52.9%
E-MICRO EUR/USD	0	0	0.0%	347,754	230,858	50.64%	0	0	0.0%	3,712,638	2,542,085	46.0%
E-MICRO GBP/USD	0	0	0.0%	27,588	55,130	-49.96%	0	0	0.0%	455,857	576,608	-20.9%
E-MICRO INR/USD	0	0	0.0%	7,832	2,412	224.71%	0	0	0.0%	48,684	25,681	89.6%
E-MICRO JPY/USD	0	0	0.0%	31,270	30,264	3.32%	0	0	0.0%	306,829	389,702	-21.3%
E-MICRO USD/CAD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-MICRO USD/CHF	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-MICRO USD/CNH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-MICRO USD/JPY	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-MINI EURO FX	0	0	0.0%	95,771	80,520	18.94%	0	0	0.0%	1,036,634	944,186	9.8%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
FX Futures												
E-MINI JAPANESE YEN	0	0	0.0%	14,583	10,340	41.03%	0	0	0.0%	131,605	297,511	-55.8%
EURO FX	4	72	-94.4%	5,388,849	4,692,140	14.85%	542	2,673	-79.7%	58,297,759	46,036,150	26.6%
HUNGARIAN FORINT (EC)	0	-	-	0	-		0	-	-	0	-	-
HUNGARIAN FORINT (US)	0	-	-	0	-		0	-	-	0	-	-
INDIAN RUPEE	0	0	0.0%	126,243	53,432	136.27%	0	0	0.0%	911,458	357,921	154.7%
JAPANESE YEN	3	28	-89.3%	3,602,935	3,415,336	5.49%	107	8,935	-98.8%	30,737,710	34,833,682	-11.8%
KOREAN WON	0	0	0.0%	307	25	1,128.00%	0	0	0.0%	2,400	200	1,100.0%
MEXICAN PESO	0	0	0.0%	1,507,449	1,165,634	29.32%	0	5	-100.0%	14,160,747	10,480,867	35.1%
NEW ZEALND DOLLAR	0	0	0.0%	506,551	572,309	-11.49%	0	0	0.0%	6,273,084	5,172,000	21.3%
NKR/USD CROSS RATE	0	0	0.0%	7,320	1,254	483.73%	0	0	0.0%	49,873	17,996	177.1%
POLISH ZLOTY (EC)	0	0	0.0%	12	7	71.43%	0	0	0.0%	186	388	-52.1%
POLISH ZLOTY (US)	0	0	0.0%	110	38	189.47%	0	0	0.0%	880	980	-10.2%
RMB USD	0	0	0.0%	2	4	-50.00%	0	0	0.0%	25	280	-91.1%
RUSSIAN RUBLE	0	0	0.0%	39,008	23,489	66.07%	0	0	0.0%	526,376	343,768	53.1%
S.AFRICAN RAND	0	0	0.0%	35,253	41,968	-16.00%	0	0	0.0%	459,836	455,322	1.0%
SF/JY CROSS RATES	0	0	0.0%	0	0	0.00%	0	0	0.0%	7	0	0.0%
SHEKEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	7,061	1,430	393.78%	0	0	0.0%	45,465	20,328	123.7%
SWISS FRANC	0	0	0.0%	558,511	532,180	4.95%	0	0	0.0%	5,998,906	5,690,482	5.4%
TURKISH LIRA	0	0	0.0%	0	0	0.00%	0	0	0.0%	10	12	-16.7%
USDZAR	0	0	0.0%	10	0	0.00%	0	0	0.0%	15	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
FX Options												
AUD/USD PQO 2pm Fix	0	0	0.0%	129,858	122,383	6.11%	600	5,746	-89.6%	1,256,054	1,085,113	15.8%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2	-100.0%
AUSTRALIAN DOLLAR	0	0	0.0%	0	0	0.00%	0	2,674	-100.0%	0	200,250	-100.0%
BRITISH POUND	0	0	0.0%	0	0	0.00%	0	693	-100.0%	0	462,114	-100.0%
BRITISH POUND (EU)	0	0	0.0%	2	1,605	-99.88%	0	0	0.0%	277	4,251	-93.5%
CAD/USD PQO 2pm Fix	605	1,079	-43.9%	167,196	180,058	-7.14%	2,706	5,200	-48.0%	1,612,443	1,385,953	16.3%
CANADIAN DOLLAR	0	0	0.0%	0	0	0.00%	0	4,597	-100.0%	0	183,080	-100.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	0	0	0.00%	0	0	0.0%	63	111	-43.2%
CHF/USD PQO 2pm Fix	0	0	0.0%	2,820	12,157	-76.80%	0	0	0.0%	28,867	34,471	-16.3%
EFX/JY CROSS RATES	0	-	-	0	-	-	0	-	-	0	-	-
EURO FX	0	0	0.0%	0	0	0.00%	0	8,535	-100.0%	0	1,287,538	-100.0%
EURO FX (EU)	0	0	0.0%	0	46	-100.00%	0	0	0.0%	59	489	-87.9%
EUR/USD PQO 2pm Fix	580	3,623	-84.0%	661,027	843,934	-21.67%	13,527	28,128	-51.9%	7,462,395	6,270,435	19.0%
GBP/USD PQO 2pm Fix	20	57	-64.9%	337,921	321,048	5.26%	652	4,745	-86.3%	2,599,627	2,041,907	27.3%
JAPANESE YEN	0	0	0.0%	0	0	0.00%	0	8,468	-100.0%	0	544,469	-100.0%
JAPANESE YEN (EU)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	180	-100.0%
JPY/USD PQO 2pm Fix	27	705	-96.2%	304,552	254,368	19.73%	4,465	33,878	-86.8%	2,588,157	2,546,733	1.6%
MEXICAN PESO	430	820	-47.6%	2,069	2,970	-30.34%	5,718	1,590	259.6%	15,357	23,440	-34.5%
NEW ZEALND DOLLAR	0	-	-	16	-	-	0	-	-	16	-	-
RUSSIAN RUBLE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SWISS FRANC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5,710	-100.0%
SWISS FRANC (EU)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	15	-100.0%
Ags Futures												
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	967	2,697	-64.15%	0	0	0.0%	12,808	17,077	-25.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Foreign Exchange Options												
AUD/USD PQO 2pm Fix	0	-	-	1,274	-	-	0	-	-	9,202	-	-
Ag Products Futures												
BUTTER CS	0	0	0.0%	4,817	3,576	34.70%	0	0	0.0%	42,561	31,821	33.8%
CASH-SETTLED CHEESE	0	0	0.0%	17,814	10,723	66.13%	0	0	0.0%	107,020	98,178	9.0%
CAT EURO SEASONAL STRIP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CATTLE	978	4,394	-77.7%	1,395,250	1,219,436	14.42%	12,843	36,535	-64.8%	13,828,009	13,599,001	1.7%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	25	-100.0%
CHI WHEAT	10,796	5,665	90.6%	2,383,467	2,186,867	8.99%	140,716	149,441	-5.8%	31,867,275	28,073,995	13.5%
CLASS IV MILK	0	12	-100.0%	1,030	497	107.24%	0	79	-100.0%	6,291	9,596	-34.4%
COCOA TAS	0	0	0.0%	0	3	-100.00%	0	0	0.0%	5	86	-94.2%
COFFEE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	40	-100.0%
CORN	24,582	35,654	-31.1%	6,340,191	5,649,487	12.23%	335,940	342,673	-2.0%	80,285,994	72,625,059	10.5%
COTTON	0	0	0.0%	7	0	0.00%	0	0	0.0%	20	16	25.0%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DOW-UBS COMMOD INDEX	0	0	0.0%	62,419	76,737	-18.66%	0	0	0.0%	780,597	811,578	-3.8%
DRY WHEY	0	0	0.0%	2,671	1,066	150.56%	0	0	0.0%	14,350	17,235	-16.7%
FEEDER CATTLE	0	70	-100.0%	331,588	328,772	0.86%	17	525	-96.8%	3,070,855	3,016,383	1.8%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	31,766	34,500	-7.92%	0	0	0.0%	312,122	340,394	-8.3%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	17	-100.00%	0	0	0.0%	616	1,065	-42.2%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	55	50	10.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	50	-100.0%
HOGS	2,546	5,698	-55.3%	1,138,057	941,656	20.86%	15,779	30,739	-48.7%	11,500,911	9,335,576	23.2%
HOUSING INDEX	0	0	0.0%	22	9	144.44%	0	0	0.0%	89	131	-32.1%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	1,170	66	1,672.7%	982,013	698,200	40.65%	12,120	9,688	25.1%	12,986,232	10,080,132	28.8%
LUMBER	0	0	0.0%	20,494	21,462	-4.51%	0	0	0.0%	188,561	166,661	13.1%

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Ag Products Futures												
MALYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	57	125	-54.4%	35,846	22,058	62.51%	1,239	1,085	14.2%	240,795	265,235	-9.2%
MINI CORN	0	0	0.0%	8,867	6,448	37.52%	0	0	0.0%	100,702	95,326	5.6%
MINI SOYBEAN	0	0	0.0%	24,998	27,257	-8.29%	0	0	0.0%	228,474	170,899	33.7%
MINI WHEAT	0	0	0.0%	7,124	3,634	96.04%	0	0	0.0%	79,006	59,900	31.9%
MLK MID OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NFD MILK	0	0	0.0%	3,892	6,943	-43.94%	43	14	207.1%	49,898	51,043	-2.2%
OATS	0	0	0.0%	17,025	10,906	56.11%	40	80	-50.0%	137,414	126,888	8.3%
PALM OIL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ROUGH RICE	0	0	0.0%	28,457	27,925	1.91%	26	0	0.0%	190,512	219,084	-13.0%
SOYBEAN	19,623	11,139	76.2%	5,535,223	5,663,871	-2.27%	157,751	147,044	7.3%	48,448,242	43,280,799	11.9%
SOYBEAN MEAL	997	1,751	-43.1%	2,549,889	1,715,538	48.63%	34,988	22,128	58.1%	26,344,558	20,125,099	30.9%
SOYBEAN OIL	1,858	5,078	-63.4%	2,264,162	2,074,531	9.14%	15,485	38,882	-60.2%	25,070,142	23,791,677	5.4%
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SUGAR 11	0	0	0.0%	0	0	0.00%	0	0	0.0%	58	42	38.1%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WHEAT	0	0	0.0%	0	224	-100.00%	0	0	0.0%	22	119,104	-100.0%
Ag Products Options												
AUG-DEC SOYBEAN MEAL CS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	103	-100.0%	0	0	0.0%
BUTTER CS	202	849	-76.2%	2,792	1,944	43.62%	10,516	10,640	-1.2%	29,824	7,020	324.8%
CASH-SETTLED CHEESE	6,854	6,658	2.9%	6,172	11,191	-44.85%	29,136	46,534	-37.4%	72,268	43,255	67.1%
CATTLE	18,143	48,761	-62.8%	156,623	226,637	-30.89%	265,292	507,861	-47.8%	2,067,267	1,956,317	5.7%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHI WHEAT	130,209	96,517	34.9%	588,401	381,451	54.25%	1,838,286	1,510,726	21.7%	6,471,434	5,090,856	27.1%
CLASS IV MILK	32	467	-93.1%	649	1,393	-53.41%	781	2,955	-73.6%	10,200	14,485	-29.6%
CORN	337,642	461,338	-26.8%	1,097,834	1,230,062	-10.75%	5,680,047	6,046,449	-6.1%	16,853,789	15,332,602	9.9%
CORN NEARBY+2 CAL SPRD	3,720	0	0.0%	0	0	0.00%	25,988	13,758	88.9%	100	77	29.9%
DEC-DEC CORN CAL SPRD	2,500	0	0.0%	33	0	0.00%	18,242	11,786	54.8%	33	274	-88.0%
DEC-JULY CORN CAL SPRD	500	6,850	-92.7%	0	0	0.00%	16,424	39,598	-58.5%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
Ag Products Options												
DEC-JULY WHEAT CAL SPRD	0	600	-100.0%	0	200	-100.00%	1,694	1,524	11.2%	0	200	-100.0%
DRY WHEY	0	532	-100.0%	567	927	-38.83%	1,355	3,124	-56.6%	5,128	2,154	138.1%
FEEDER CATTLE	989	5,692	-82.6%	25,081	32,579	-23.01%	18,767	45,322	-58.6%	274,947	304,461	-9.7%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	28,671	36,795	-22.1%	239,534	218,900	9.43%	270,515	306,630	-11.8%	2,110,222	1,868,349	12.9%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	42	-100.0%
Intercommodity Spread	499	0	0.0%	0	0	0.00%	10,318	701	1,371.9%	0	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	0	0	0.0%	0	0	0.00%	0	36	-100.0%	0	0	0.0%
JULY-DEC CORN CAL SPRD	30	0	0.0%	0	0	0.00%	10,176	17,402	-41.5%	100	0	0.0%
JULY-DEC SOYMEAL CAL SPR	0	-	-	0	-	-	1,200	-	-	0	-	-
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	0	0.00%	0	630	-100.0%	0	10	-100.0%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	1,965	1,414	39.0%	455	200	127.5%
JULY-JULY WHEAT CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JULY-NOV SOYBEAN CAL SPR	2,360	0	0.0%	0	0	0.00%	55,603	69,340	-19.8%	2,598	1,317	97.3%
KC WHEAT	12,026	7,281	65.2%	27,366	20,191	35.54%	329,653	147,261	123.9%	552,008	321,411	71.7%
LUMBER	0	1	-100.0%	2,357	1,765	33.54%	216	43	402.3%	17,738	11,852	49.7%
LV CATL CSO	20	53	-62.3%	0	0	0.00%	302	1,972	-84.7%	0	0	0.0%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	70	-100.0%	0	0	0.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	200	1,293	-84.5%	0	76	-100.0%
MILK	2,604	10,493	-75.2%	39,134	23,270	68.17%	58,682	116,829	-49.8%	291,375	233,961	24.5%
MLK MID OPTIONS	38	88	-56.8%	0	0	0.00%	425	614	-30.8%	27	0	0.0%
NFD MILK	856	1,603	-46.6%	3,727	5,444	-31.54%	8,660	14,299	-39.4%	40,770	29,021	40.5%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	1	1,696	-99.9%	0	0	0.0%
NOV-MAR SOYBEAN CSO	0	-	-	0	-	-	130	-	-	0	-	-
NOV-NOV SOYBEAN CAL SPR	0	43	-100.0%	0	0	0.00%	118	164	-28.0%	0	0	0.0%
OATS	847	300	182.3%	869	777	11.84%	1,903	5,501	-65.4%	3,856	6,947	-44.5%
ROUGH RICE	1,430	608	135.2%	727	1,244	-41.56%	7,980	10,535	-24.3%	8,457	10,642	-20.5%
SEP-DEC SOYBEAN MEAL CSC	0	-	-	0	-	-	1,170	-	-	0	-	-
SOYBEAN	213,467	232,172	-8.1%	1,058,252	1,050,410	0.75%	2,994,324	3,008,597	-0.5%	13,518,912	11,635,232	16.2%
SOYBEAN CRUSH	0	20	-100.0%	0	0	0.00%	185	640	-71.1%	0	0	0.0%
SOYBEAN MEAL	58,692	40,644	44.4%	143,797	90,704	58.53%	1,005,779	538,585	86.7%	1,927,520	1,196,542	61.1%

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CME Group Exchange Volume Comparison Report - Monthly

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Ag Products Options												
SOYBEAN OIL	54,787	54,062	1.3%	96,844	104,670	-7.48%	376,887	792,088	-52.4%	806,302	946,299	-14.8%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	0	0	0.00%	10	460	-97.8%	0	600	-100.0%
SOYMEAL NEARBY+2 CAL SPR	3,225	0	0.0%	0	0	0.00%	8,415	0	0.0%	0	0	0.0%
WHEAT	0	0	0.0%	25	26	-3.85%	2,910	997	191.9%	335	453	-26.0%
WHEAT-CORN ICSCO	645	200	222.5%	0	0	0.00%	5,780	5,535	4.4%	0	6	-100.0%
WHEAT NEARBY+2 CAL SPRD	1,040	1,965	-47.1%	10	585	-98.29%	9,232	11,791	-21.7%	4,481	4,107	9.1%
TOTAL FUTURES GROUP												
Interest Rate Futures	971,644	966,221	0.6%	175,931,540	111,864,621	57.3%	9,934,391	8,023,121	23.8%	1,494,369,792	1,223,251,338	22.2%
Equity Index Futures	16,580	11,070	49.8%	83,505,936	34,972,484	138.8%	410,620	676,179	-39.3%	544,327,947	410,800,415	32.5%
Metals Futures	0	0	0.0%	11,377,412	11,241,222	1.2%	0	0	0.0%	123,037,129	103,176,197	19.2%
Energy Futures	0	0	0.0%	47,225,271	43,740,125	8.0%	0	0	0.0%	441,714,551	439,046,833	0.6%
FX Futures	11	253	-95.7%	19,033,035	17,624,683	8.0%	704	16,083	-95.6%	195,437,258	172,619,847	13.2%
Ags Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange Futures	0	0	0.0%	967	2,697	-64.1%	0	0	0.0%	12,808	17,077	-25.0%
Ag Products Futures	62,607	69,652	-10.1%	23,187,089	20,732,343	11.8%	726,987	778,913	-6.7%	255,881,386	226,512,168	13.0%
TOTAL FUTURES	1,050,842	1,047,196	0.3%	360,261,250	240,178,175	50.0%	11,072,702	9,494,296	16.6%	3,054,780,871	2,575,423,875	18.6%
TOTAL OPTIONS GROUP												
Equity Index Options	1,071,946	1,274,766	-15.9%	23,494,898	12,542,173	87.3%	10,109,747	11,162,183	-9.4%	161,091,969	128,569,456	25.3%
Interest Rate Options	23,884,367	22,160,374	7.8%	36,512,391	27,032,427	35.1%	214,854,976	202,096,569	6.3%	262,011,700	224,219,098	16.9%
Metals Options	0	0	0.0%	1,235,321	741,676	66.6%	0	0	0.0%	9,785,264	7,811,693	25.3%
Energy Options	0	0	0.0%	5,567,535	4,174,875	33.4%	0	0	0.0%	43,804,176	42,497,366	3.1%
FX Options	1,662	6,284	-73.6%	1,605,461	1,738,569	-7.7%	27,668	104,254	-73.5%	15,563,315	16,076,261	-3.2%
Ag Products Options	882,028	1,014,592	-13.1%	3,490,794	3,404,370	2.5%	13,069,267	13,295,503	-1.7%	45,070,146	39,018,768	15.5%
Foreign Exchange Options	0	-	-	1,274	-	-	0	-	-	9,202	-	-
TOTAL OPTIONS	25,840,003	24,456,016	5.7%	71,907,674	49,634,090	44.9%	238,061,658	226,658,509	5.0%	537,335,772	458,192,642	17.3%

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CME Group Exchange Volume Comparison Report - Monthly

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TOTAL COMBINED												
Interest Rate	24,856,011	23,126,595	7.5%	212,443,931	138,897,048	53.0%	224,789,367	210,119,690	7.0%	1,756,381,492	1,447,470,436	21.3%
Equity Index	1,088,526	1,285,836	-15.3%	107,000,834	47,514,657	125.2%	10,520,367	11,838,362	-11.1%	705,419,916	539,369,871	30.8%
Metals	0	0	0.0%	12,612,733	11,982,898	5.3%	0	0	0.0%	132,822,393	110,987,890	19.7%
Energy	0	0	0.0%	52,792,806	47,915,000	10.2%	0	0	0.0%	485,518,727	481,544,199	0.8%
FX	1,673	6,537	-74.4%	20,638,496	19,363,252	6.6%	28,372	120,337	-76.4%	211,000,573	188,696,108	11.8%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Foreign Exchange	0	0	0.0%	2,241	2,697	-16.9%	0	0	0.0%	22,010	17,077	28.9%
Ag Products	944,635	1,084,244	-12.9%	26,677,883	24,136,713	10.5%	13,796,254	14,074,416	-2.0%	300,951,532	265,530,936	13.3%
GRAND TOTAL	26,890,845	25,503,212	5.4%	432,168,924	289,812,265	49.1%	249,134,360	236,152,805	5.5%	3,592,116,643	3,033,616,517	18.4%

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