

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Commodities and Alternative Investments																			
Futures																			
COCOA TAS	CJ	0	0	0.0%	0	517	-1	0	0	0.0%	0	0	0.0%	81	2,034	-96.0%	0	0	0.0%
COFFEE	KT	0	0	0.0%	0	6	-1	0	0	0.0%	0	0	0.0%	40	143	-72.0%	0	0	0.0%
COTTON	TT	0	0	0.0%	0	77	-1	0	0	0.0%	0	0	0.0%	15	547	-97.3%	0	0	0.0%
SUGAR 11	YO	0	0	0.0%	3	23	-0.87	0	0	0.0%	0	0	0.0%	40	401	-90.0%	0	0	0.0%
Energy Futures																			
CRUDE OIL PHY	CL	0	989	-100.0%	34,183,281	22,458,636	0.52	542,192	575,703	-5.8%	0	19,148	-100.0%	205,123,104	172,843,902	18.7%	4,483,494	5,069,755	-11.6%
CRUDE OIL	WS	0	0	0.0%	0	0	0	5,704	2,422	135.5%	0	0	0.0%	204	0	0.0%	44,483	78,654	-43.4%
MINY WTI CRUDE OIL	QM	0	0	0.0%	304,306	268,400	0.13	0	0	0.0%	0	0	0.0%	2,119,492	2,314,208	-8.4%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	2,116,426	1,723,475	0.23	22,601	16,899	33.7%	0	344	-100.0%	15,746,338	15,807,907	-0.4%	172,227	150,215	14.7%
HEATING OIL PHY	HO	0	58	-100.0%	4,532,482	3,189,211	0.42	227,391	202,428	12.3%	0	761	-100.0%	27,198,708	23,945,204	13.6%	1,916,291	1,677,837	14.2%
HTG OIL	BH	0	0	0.0%	0	0	0	50	0	0.0%	0	36	-100.0%	84	0	0.0%	134	5,222	-97.4%
MINY HTG OIL	QH	0	0	0.0%	3	11	-0.73	0	0	0.0%	0	0	0.0%	21	83	-74.7%	0	0	0.0%
RBOB PHY	RB	0	9	-100.0%	5,397,658	3,798,053	0.42	406,034	220,390	84.2%	0	469	-100.0%	32,470,867	28,131,696	15.4%	2,480,572	1,450,874	71.0%
MINY RBOB GAS	QU	0	0	0.0%	4	7	-0.43	0	0	0.0%	0	0	0.0%	35	34	2.9%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	32,178	30,285	0.06	63,782	108,348	-41.1%	0	800	-100.0%	287,653	124,806	130.5%	878,192	879,277	-0.1%
LTD NAT GAS	HH	0	0	0.0%	136,031	81,931	0.66	141,692	149,226	-5.0%	0	0	0.0%	970,457	578,762	67.7%	1,381,162	1,255,663	10.0%
MINY NATURAL GAS	QG	0	0	0.0%	16,749	24,470	-0.32	0	0	0.0%	0	0	0.0%	201,339	198,581	1.4%	0	0	0.0%
PJM MONTHLY	JM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	120	2,898	-95.9%
NATURAL GAS PHY	NG	0	22	-100.0%	7,878,602	8,351,286	-0.06	280,754	155,148	81.0%	0	1,533	-100.0%	66,492,544	59,043,255	12.6%	2,310,082	1,662,907	38.9%
RBOB GAS	RT	0	0	0.0%	0	0	0	3,211	1,532	109.6%	0	0	0.0%	0	0	0.0%	19,163	10,433	83.7%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	10	390	-97.4%	0	0	0.0%	0	0	0.0%	887	2,141	-58.6%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	0	0	0	5	45	-88.9%	0	0	0.0%	0	0	0.0%	175	210	-16.7%
AEP-DAYTON HUB DAILY	VD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	VM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	240	-100.0%
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	N7	0	0	0.0%	0	0	0	0	240	-100.0%	0	0	0.0%	0	0	0.0%	0	5,980	-100.0%
ALGONQUIN CITYGATES BASIS	B4	0	0	0.0%	0	0	0	0	487	-100.0%	0	0	0.0%	0	0	0.0%	0	5,904	-100.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ANR OKLAHOMA	NE	0	0	0.0%	0	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	0	3,599	-100.0%
APPALACHIAN COAL (PHY)	QL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	130	-100.0%

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Energy Futures																			
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	0	0	0	16,416	12,620	30.1%	0	0	0.0%	60	0	0.0%	59,086	110,275	-46.4%
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	4,959	1,146	332.7%	0	0	0.0%	0	0	0.0%	18,054	12,139	48.7%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	1,330	409	225.2%	0	0	0.0%	0	0	0.0%	7,924	7,317	8.3%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0	0	10	243	-95.9%	0	0	0.0%	0	0	0.0%	1,003	3,116	-67.8%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0	0	0	275	-100.0%	0	0	0.0%	0	0	0.0%	478	1,085	-55.9%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	6,902	843	718.7%	0	0	0.0%	0	0	0.0%	23,822	17,760	34.1%
BRENT CFD SWAP	6W	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	0	65	-100.0%	0	0	0.0%	0	0	0.0%	41,011	2,152	1,805.7%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,424	-100.0%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	413	-51.6%
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 MW P	9X	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	7,940	-	-
CAISO SP15 EZGNHUB5 PEAK	9Z	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	0	-	-
CANADIAN LIGHT SWEET OIL	CIL	0	0	0.0%	0	0	0	270	3,390	-92.0%	0	0	0.0%	0	0	0.0%	7,269	16,575	-56.1%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0	0	0	700	-100.0%	0	0	0.0%	0	0	0.0%	534	10,650	-95.0%
CENTERPOINT EAST INDEX	II	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	740	-100.0%
CENTER POINT NAT GAS FIXED	DAC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	412	919	-0.55	117,993	113,172	4.3%	0	0	0.0%	1,937	10,084	-80.8%	911,769	778,628	17.1%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	0	0	0.0%	0	0	0	250	769	-67.5%	0	0	0.0%	0	0	0.0%	1,231	2,606	-52.8%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	0	275	-100.0%	0	0	0.0%	0	0	0.0%	0	1,875	-100.0%
CIG BASIS	CI	0	0	0.0%	0	0	0	0	11,326	-100.0%	0	0	0.0%	0	0	0.0%	726	65,149	-98.9%
CIG ROCKIES NG INDEX SWA	Z8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	720	1,054	-31.7%
CINERGY HUB OFF-PEAK MON	EJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
CINERGY HUB PEAK MONTH	EM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	K2	0	0	0.0%	0	0	0	16,000	0	0.0%	0	0	0.0%	0	0	0.0%	278,680	275,560	1.1%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	0	0	554	258	114.7%	0	0	0.0%	0	0	0.0%	14,222	18,672	-23.8%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	16,000	0	0.0%	0	0	0.0%	0	0	0.0%	397,000	966,584	-58.9%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0	0	0	2,980	-100.0%	0	0	0.0%	0	0	0.0%	24,975	63,436	-60.6%
COAL SWAP	ACM	0	0	0.0%	0	0	0	40	200	-80.0%	0	0	0.0%	0	0	0.0%	1,220	1,930	-36.8%
COAL SWAP	SSI	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	0	187	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	0.0%	0	122	-1	0	4,713	-100.0%	0	0	0.0%	0	122	-100.0%	999	19,681	-94.9%
COLUMBIA GULF MAIN NAT G	L2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,208	-100.0%

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Energy Futures																			
COLUMBIA GULF NAT GAS FIXE	DCE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
COLUMBIA GULF ONSHORE	GL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,332	3,108	-57.1%
CONWAY NATURAL GASOLINE	8L	0	0	0.0%	0	0	0	705	0	0.0%	0	0	0.0%	0	0	0.0%	2,494	1,278	95.1%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	1,435	510	181.4%	0	0	0.0%	0	0	0.0%	6,698	954	602.1%
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	5	0	0	9,298	12,769	-27.2%	0	0	0.0%	44	0	0.0%	70,548	53,284	32.4%
CRUDE OIL	CHB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
CRUDE OIL	LPS	0	0	0.0%	202	0	0	3,898	4,748	-17.9%	0	0	0.0%	203	0	0.0%	31,298	40,810	-23.3%
CRUDE OIL OUTRIGHTS	37	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	42	0	0	0.0%	0	0	0	228	108	111.1%	0	0	0.0%	0	0	0.0%	4,069	731	456.6%
CRUDE OIL OUTRIGHTS	CC5	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	600	-	-
CRUDE OIL OUTRIGHTS	CSN	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	30	-	-
CRUDE OIL OUTRIGHTS	CSW	0	0	0.0%	0	0	0	120	540	-77.8%	0	0	0.0%	0	0	0.0%	2,020	540	274.1%
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0	0	475	0	0.0%	0	0	0.0%	0	0	0.0%	1,525	450	238.9%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	330	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	0	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	110	90	22.2%
CRUDE OIL OUTRIGHTS	HTT	0	0	0.0%	0	0	0	27,805	5,201	434.6%	0	0	0.0%	0	0	0.0%	90,980	14,513	526.9%
CRUDE OIL OUTRIGHTS	LSW	0	-	-	0	-	0	645	-	-	0	-	-	0	-	-	885	-	-
CRUDE OIL OUTRIGHTS	SSW	0	-	-	0	-	0	90	-	-	0	-	-	0	-	-	795	-	-
CRUDE OIL OUTRIGHTS	WCC	0	0	0.0%	0	0	0	0	7,350	-100.0%	0	0	0.0%	0	0	0.0%	24,737	40,889	-39.5%
CRUDE OIL OUTRIGHTS	WCW	0	-	-	0	-	0	11,310	-	-	0	-	-	0	-	-	41,020	-	-
CRUDE OIL PHY	CLL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CRUDE OIL SPRDS	38	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	0	425	-100.0%
CRUDE OIL SPRDS	WTT	0	0	0.0%	0	0	0	17,745	5,300	234.8%	0	0	0.0%	50	0	0.0%	51,834	20,942	147.5%
CRUDE OIL TRADE AT MARKER	CLS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	AOR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	IDO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	NOC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PEO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PNO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PNP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PWO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	WOR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,720	-100.0%

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Energy Futures																			
DAILY PJM	ZA0	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
DAILY PJM	ZGO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
DAILY PJM	ZJO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
DATED BRENT (PLATTS) DAILY	7G	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,400	0	0.0%	
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0	0	1,950	750	160.0%	0	0	0.0%	0	0	0.0%	11,550	12,010	-3.8%
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	800	-100.0%	
DEMARC SWING SWAP	DT	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0	0	0	115	-100.0%	0	0	0.0%	0	0	0.0%	0	125	-100.0%
DIESEL 10PPM BARGES FOB B	U7	0	-	-	0	-	0	-	-	0	-	-	0	-	-	3	-	-	
DIESEL10PPM BARG VS ICE LS	LSE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
DLY GAS EURO-BOB OXY	GBR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
DOMINION TRAN INC - APP I	IH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	17,107	-100.0%
DOMINION TRANSMISSION INC	PG	0	0	0.0%	0	0	0	0	19,630	-100.0%	0	0	0.0%	0	243	-100.0%	48,516	152,020	-68.1%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	275	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0	0	6,025	2,486	142.4%	0	0	0.0%	0	0	0.0%	72,824	11,966	508.6%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,500	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0	0	420	825	-49.1%	0	0	0.0%	0	0	0.0%	4,635	9,702	-52.2%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	1,255	236	431.8%
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	0	96	1,136	-91.5%	0	0	0.0%	0	0	0.0%	6,214	9,228	-32.7%
ELEC ERCOT DLY OFF PK	R4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	I7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	N1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	R1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	O1	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ELEC FINSETTLED	47	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,270	-100.0%
ELEC FINSETTLED	49	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ELEC MISO PEAK	4L	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,825	0	0.0%
ELEC MISO PEAK	55	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	4M	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	70,200	0	0.0%
ELEC NYISO OFF-PEAK	58	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	ERE	0	-	-	0	-	0	-	-	0	-	-	0	-	-	690	-	-	
ELECTRICITY OFF PEAK	46	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	23,480	-100.0%	
ELECTRICITY OFF PEAK	4P	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ELECTRICITY OFF PEAK	50	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.

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Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
ELEC WEST POWER OFF-PEAK	MDA	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
ELEC WEST POWER PEAK	MDC	0	-	-	0	-	0	-	-	0	-	-	0	-	-	1,540	-	-	
EL PASO PERMIAN INDEX SWA EMISSIONS	IL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,612	-100.0%	
ERCOT DAILY 5MW PEAK	CPL	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ERCOT HOUSTON Z MCPE 5M	ERW	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
ERCOT NORTH ZMCPE 5MW OF	I1	0	-	-	0	-	2,200	-	-	0	-	-	0	-	-	3,880	-	-	
ERCOT NORTH ZMCPE 5MW OF	I8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ERCOT NORTH ZMCPE 5MW OF	I6	0	0	0.0%	0	0	0	21,200	0	0	0	0.0%	0	0	0.0%	35,920	4,280	739.3%	
ERCOT NORTH ZMCPE 5MW PE	I5	0	0	0.0%	0	0	0	2,200	0	0	0	0.0%	0	0	0.0%	4,710	235	1,904.3%	
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	0	2,782	2,145	29.7%	0	0	0.0%	0	0	0.0%	30,307	17,118	77.0%
EU LOW SULPHUR GASOIL CR	LSC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	18	210	-91.4%	
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	0	225	359	-37.3%	0	0	0.0%	0	0	0.0%	3,616	2,480	45.8%
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	0	233	592	-60.6%	0	0	0.0%	0	0	0.0%	4,196	4,558	-7.9%
EURO-DENOMINATED PETRO P	IBE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EURO-DENOMINATED PETRO P	NCP	0	0	0.0%	0	0	0	24	0	0.0%	0	0	0.0%	0	0	0.0%	1,364	158	763.3%
EURO GASOIL 10 CAL SWAP	GT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	0	0	0	66	142	-53.5%	0	0	0.0%	0	0	0.0%	344	592	-41.9%
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0	0	20	3	566.7%	0	0	0.0%	0	0	0.0%	683	1,345	-49.2%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0	0	3	0	0.0%	0	0	0.0%	0	0	0.0%	39	124	-68.5%
EUROPE 3.5% FUEL OIL MED	UI	0	0	0.0%	0	0	0	10	460	-97.8%	0	0	0.0%	0	0	0.0%	1,174	2,979	-60.6%
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	0	2,762	4,841	-42.9%	0	0	0.0%	0	0	0.0%	60,280	50,832	18.6%
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	3,887	7,291	-0.47	58	0	0.0%	0	0	0.0%	27,508	1,461,101	-98.1%	58	77,400	-99.9%
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	0	331	145	128.3%	0	0	0.0%	0	0	0.0%	3,070	1,176	161.1%
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	0	6,783	4,815	40.9%	0	0	0.0%	0	0	0.0%	57,613	36,640	57.2%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	0	124	0	0.0%	0	0	0.0%	0	0	0.0%	1,940	25,958	-92.5%
EUROPE JET KERO NWE CALS	UJ	0	0	0.0%	0	0	0	42	0	0.0%	0	0	0.0%	0	0	0.0%	102	38	168.4%
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	0	3,342	1,856	80.1%	0	0	0.0%	0	0	0.0%	23,300	11,224	107.6%
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	0	1,450	1,148	26.3%	0	0	0.0%	0	0	0.0%	9,413	9,553	-1.5%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	8,310	-100.0%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	0	0	0	3,352	-100.0%	0	0	0.0%	0	0	0.0%	0	5,449	-100.0%
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	0	403	41	882.9%	0	0	0.0%	0	0	0.0%	1,284	1,509	-14.9%
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	0	1,335	4,793	-72.1%	0	0	0.0%	0	0	0.0%	32,921	33,555	-1.9%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	32	-100.0%

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Energy Futures																			
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	0	1,116	-100.0%	
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	54	-100.0%	
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	0	170	97.7%	0	0	0.0%	0	0	0.0%	2,556	2,815	-9.2%	
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	7,202	25.6%	0	0	0.0%	0	0	0.0%	57,339	56,009	2.4%	
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	22,615	91.8%	0	0	0.0%	0	0	0.0%	155,047	111,704	38.8%	
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6	-100.0%	
GASOIL 0.1 CARGOES CIF NE	TW	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
GASOIL 0.1 CIF MED BALMO	X6	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
GASOIL 0.1 CIF MED SWAP	Z4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	75	-100.0%	
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	50	130	-61.5%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	5	300.0%	
GASOIL 0.1 CRG CIF NW VS	4V	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%	
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	60	150.0%	
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	5	0.0%	0	0	0.0%	0	0	0.0%	85	0	0.0%	
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	25	10	150.0%	
GASOIL 10PPM CARGOES CIF	TY	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%	
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	60	-71.7%	0	0	0.0%	0	0	0.0%	592	700	-15.4%	
GASOIL BULLET SWAP	BG	0	-	-	0	-	0	-	-	0	-	-	0	-	-	30	-	-	
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	241	305	-21.0%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	4,545	-23.0%	0	0	0.0%	0	0	0.0%	60,428	42,532	42.1%	
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	0	188	-13.0%	0	0	0.0%	0	0	0.0%	1,191	2,054	-42.0%	
GASOLINE UP-DOWN BALMO S	1K	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	810	-100.0%	
GC ULSD VS GC JET SPREAD	VV	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	125	300	-58.3%
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	0	9,117	94.2%	0	0	0.0%	0	0	0.0%	30,327	22,038	37.6%	
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	0	1,645	-19.4%	0	0	0.0%	0	0	0.0%	5,299	11,555	-54.1%	
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	286	285	0.4%	0	0	0.0%	0	0	0.0%	9,397	5,582	68.3%
GULF COAST GASOLINE CLND	GS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,300	-100.0%	
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	42	40	5.0%	0	0	0.0%	0	0	0.0%	943	1,173	-19.6%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	57,220	34,659	65.1%	0	0	0.0%	0	0	0.0%	360,038	262,134	37.3%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	42,091	56,681	-25.7%	0	0	0.0%	0	0	0.0%	417,197	460,410	-9.4%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	643	150	328.7%	0	0	0.0%	0	0	0.0%	10,558	5,584	89.1%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	80	1,132	-92.9%	0	0	0.0%	0	3	-100.0%	4,080	7,331	-44.3%

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Energy Futures																			
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	3,870	6,156	-37.1%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	830	335	147.8%
HEATING OIL CRCK SPRD BAL	1H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
HEATING OIL PHY	HOL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HEATING OIL VS ICE GASOIL	HA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	0	0	0	19,207	-100.0%	0	0	0.0%	2,996	31	9,564.5%	48,024	174,593	-72.5%
HENRY HUB FINANCIAL LAST	NBP	0	-	-	549	-	0	-	-	-	0	-	-	608	-	-	0	-	-
HENRY HUB FINANCIAL LAST	TTE	0	-	-	32	-	0	-	-	-	0	-	-	124	-	-	0	-	-
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	0	12,681	-100.0%	0	0	0.0%	2,996	0	0.0%	45,834	159,636	-71.3%
HENRY HUB SWAP	NN	0	0	0.0%	2	246,247	-1	260,440	134,222	94.0%	0	1,472	-100.0%	59,905	1,588,655	-96.2%	1,400,514	1,861,726	-24.8%
HENRY HUB SWING FUTURE	SN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	290	-100.0%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	274	-1	0	1,322	-100.0%	0	0	0.0%	0	517	-100.0%	3,777	25,747	-85.3%
HOUSTON SHIP CHANNEL INDE	IP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	186	-100.0%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	719	0	0.0%
ICE BRENT DUBAI SWAP	DB	0	0	0.0%	0	0	0	1,433	100	1,333.0%	0	0	0.0%	0	0	0.0%	70,896	110	64,350.9%
ICE GASOIL BALMO SWAP	U9	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	9	-	-
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	225	-100.0%	2,850	25,976	-89.0%
INDIANA MISO	FAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	FDM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
INDIANA MISO	FTD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	FTM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PDD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	112	-100.0%
INDIANA MISO	PDM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PTD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PTM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDONESIAN COAL	MCC	0	0	0.0%	0	0	0	0	35	-100.0%	0	0	0.0%	0	0	0.0%	5	205	-97.6%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	20	-50.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	746	657	13.5%	0	0	0.0%	0	0	0.0%	4,631	3,423	35.3%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	1,089	1,850	-41.1%	0	0	0.0%	0	0	0.0%	12,594	10,076	25.0%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	0	75	-100.0%	0	0	0.0%	0	0	0.0%	1,314	370	255.1%
JET AV FUEL (P) CAR FM ICE G	1V	0	0	0.0%	0	0	0	0	45	-100.0%	0	0	0.0%	0	0	0.0%	12	157	-92.4%
JET BARGES VS ICE GASOIL	JR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	22	-100.0%
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	0	10	47	-78.7%	0	0	0.0%	0	0	0.0%	834	745	11.9%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	2	150.0%	
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	62	30	106.7%	
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	0	6,035	-19.8%	0	0	0.0%	0	0	0.0%	57,207	29,112	96.5%	
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
LA CARB DIESEL (OPIS) SWA	KL	0	0	0.0%	0	0	0	450	-63.9%	0	0	0.0%	0	0	0.0%	1,670	6,327	-73.6%	
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	325	0.0%	0	0	0.0%	0	0	0.0%	1,875	5,900	-68.2%	
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	25	800	-96.9%	
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	0	3,275	-10.0%	0	0	0.0%	0	0	0.0%	15,395	16,612	-7.3%	
LLS (ARGUS) CALENDAR SWAP	XA	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	0	8,245	3.4%	0	0	0.0%	15	0	0.0%	33,233	55,938	-40.6%	
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	3,400	211.9%	0	0	0.0%	0	0	0.0%	25,251	34,218	-26.2%	
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	0	0	11,890	-41.0%	0	0	0.0%	0	0	0.0%	146,019	86,867	68.1%	
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	740	32.1%	0	0	0.0%	200	0	0.0%	11,768	15,524	-24.2%	
MCCLOSKEY ARA ARGS COAL	MTF	0	0	0.0%	0	0	0	26,637	-73.6%	0	0	0.0%	0	0	0.0%	379,880	1,407,027	-73.0%	
MCCLOSKEY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	3,457	-68.0%	0	0	0.0%	0	0	0.0%	43,272	146,707	-70.5%	
MGF FUT	MGF	0	0	0.0%	0	0	0	89	0.0%	0	0	0.0%	0	0	0.0%	286	100	186.0%	
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	20	-73.3%	0	0	0.0%	0	0	0.0%	954	1,038	-8.1%	
MICHCON NG INDEX SWAP	Y8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,840	-100.0%	
MICHIGAN BASIS	NF	0	0	0.0%	0	305	-1	0	-100.0%	0	0	0.0%	0	549	-100.0%	2,592	16,215	-84.0%	
MICHIGAN MISO	HMO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	59,040	127,640	-53.7%	
MICHIGAN MISO	HMW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,195	7,240	-55.9%	
MINI GAS EUROBOB OXY NWE	MEB	0	0	0.0%	0	0	0	255	-70.3%	0	0	0.0%	0	0	0.0%	4,051	3,439	17.8%	
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	1,135	1,035.0%	0	0	0.0%	0	0	0.0%	4,082	996	309.8%	
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	2,887	56.5%	0	0	0.0%	0	0	0.0%	21,038	9,593	119.3%	
MJB FUT	MJB	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
MJC FUT	MJC	0	0	0.0%	0	0	0	20	-86.1%	0	0	0.0%	0	0	0.0%	725	765	-5.2%	
MNC FUT	MNC	0	0	0.0%	0	0	0	3,970	7.0%	0	0	0.0%	0	0	0.0%	35,049	31,972	9.6%	
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	16,456	-67.7%	0	0	0.0%	0	0	0.0%	190,557	323,821	-41.2%	
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	175	6.1%	0	0	0.0%	0	0	0.0%	2,447	815	200.2%	
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	61	91	-0.33	101,862	-27.0%	0	0	0.0%	231	139	66.2%	717,098	906,994	-20.9%	
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	1,693	871	94.4%	0	0	0.0%	0	0	0.0%	14,498	6,787	113.6%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	0	2,306	-67.6%	0	0	0.0%	0	0	0.0%	32,272	67,759	-52.4%	
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	117	-53.4%	0	0	0.0%	0	0	0.0%	1,900	1,661	14.4%	
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	29,121	28,738	1.3%	0	0	0.0%	0	0	0.0%	224,731	191,349	17.4%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	820	566	44.9%	0	0	0.0%	0	0	0.0%	6,101	5,541	10.1%
NAT GAS BASIS SWAP	SGW	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NAT GAS BASIS SWAP	TZ6	0	0	0.0%	0	0	0	428	6,623	-93.5%	0	0	0.0%	0	0	0.0%	2,165	29,619	-92.7%
NATURAL GAS	HBI	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	-	-	-
NATURAL GAS	XIC	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	-	-	-
NATURAL GAS	XSC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS FIXED PRICE S	CFS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE S	DSF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	360	0	0.0%
NATURAL GAS FIXED PRICE S	MFS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE S	PFS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE S	WFS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE S	Z5P	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS FIXED PRICE S	ZTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NATURAL GAS INDEX	TZI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	656	6,702	-90.2%
NATURAL GAS PEN SWP	NP	0	0	0.0%	0	0	0	64,946	116,839	-44.4%	0	92	-100.0%	58	0	0.0%	697,945	900,377	-22.5%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	11,925	-100.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	635	-100.0%
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	0	0	0	0	289,912	-100.0%	0	0	0.0%	0	0	0.0%	221,100	454,549	-51.4%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0	0	840	16,702	-95.0%	0	0	0.0%	0	0	0.0%	16,510	32,410	-49.1%
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH P	P7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	640	-100.0%
NEPOOL NEW HAMP 5MW D AH	U2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL NEW HAMP 5MW D AH	U3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	U4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	U5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH O	P5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH P	P4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D A	L9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,000	-100.0%
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,685	-100.0%
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	0	0	0.0%	0	0	0	1,150	825	39.4%	0	0	0.0%	0	0	0.0%	5,760	12,125	-52.5%
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	JN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	NL	0	0	0.0%	0	0	0	1,332	1,208	10.3%	0	0	0.0%	0	0	0.0%	3,676	26,577	-86.2%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
NGPL MIDCONTINENT INDEX	IW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	7,227	-100.0%	
NGPL MIDCONTINENT SWING S	PX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	620	-100.0%	
NGPL TEX/OK	PD	0	0	0.0%	0	0	0	1,910	-3.5%	0	0	0.0%	0	0	0.0%	7,766	24,604	-68.4%	
NGPL TEXOK INDEX	OI	0	0	0.0%	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	0	360	-100.0%	
N ILLINOIS HUB DAILY	UD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
N ILLINOIS HUB MTHLY	UM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NO 2 UP-DOWN SPREAD CALE	UT	0	0	0.0%	0	0	0	99	0.0%	0	0	0.0%	0	0	0.0%	3,659	2,562	42.8%	
NORTHEN NATURAL GAS DEM	PE	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	2,173	-100.0%	
NORTHEN NATURAL GAS VENT	PF	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	84	7,251	-98.8%	
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NORTHWEST ROCKIES BASIS S	NR	0	0	0.0%	0	428	-1	0	-100.0%	0	0	0.0%	0	736	-100.0%	3,088	134,878	-97.7%	
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	334	0	0.0%	
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	875	-61.5%	0	0	0.0%	0	0	0.0%	18,016	18,272	-1.4%	
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	489	-100.0%	
NY 3.0% FUEL OIL (PLATTS	H1	0	0	0.0%	0	0	0	75	-75.0%	0	0	0.0%	0	0	0.0%	3,185	1,475	115.9%	
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	25	101	-75.2%	
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	0	0	0	1,986	11.1%	0	39	-100.0%	3	3	0.0%	20,773	20,183	2.9%	
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	225	-26.2%	0	0	0.0%	0	0	0.0%	4,273	4,856	-12.0%	
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	2,558	-17.4%	0	0	0.0%	0	0	0.0%	20,444	27,576	-25.9%	
NY HARBOR RESIDUAL FUEL C	ML	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	279	-90.8%	0	0	0.0%	0	0	0.0%	11,359	14,720	-22.8%	
NY H OIL PLATTS VS NYMEX	YH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYISO A	KA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYISO A OFF-PEAK	KB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYISO CAPACITY	LHV	0	0	0.0%	0	0	0	12	-77.8%	0	0	0.0%	0	0	0.0%	279	168	66.1%	
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	96	6.7%	0	0	0.0%	0	0	0.0%	1,610	1,377	16.9%	
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	93	-4.1%	0	0	0.0%	0	0	0.0%	1,537	1,977	-22.3%	
NYISO G	KG	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYISO G OFF-PEAK	KH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYISO J	KJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	172	-100.0%	
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	80	-100.0%	
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	32,760	239,365	-86.3%	
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	6,815	3,600	89.3%	
NYISO ZONE C 5MW D AH O P	A3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	54,290	-100.0%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
NYISO ZONE C 5MW D AH PK	Q5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	110	1,512	-92.7%	
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0	0	84,240	20,546	310.0%	0	0	0.0%	0	0	0.0%	732,720	384,706	90.5%
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	0	4,854	5,334	-9.0%	0	0	0.0%	0	0	0.0%	52,809	30,423	73.6%
NYISO ZONE J 5MW D AH O P	D4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	226,600	102,952	120.1%
NYISO ZONE J 5MW D AH PK	D3	0	0	0.0%	0	0	0	870	840	3.6%	0	0	0.0%	0	0	0.0%	23,165	8,607	169.1%
NY JET FUEL (PLATTS) HEAT OI	1U	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NYMEX ALUMINUM FUTURES	AN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	UY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NY ULSD (ARGUS) VS HEATING	7Y	0	0	0.0%	0	0	0	500	1,166	-57.1%	0	0	0.0%	0	0	0.0%	8,220	4,110	100.0%
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0	0	196	120	63.3%	0	0	0.0%	0	0	0.0%	196	1,065	-81.6%
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	160	-100.0%
ONTARIO POWER SWAPS	OFM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,750	-100.0%
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0	0	10	110	-90.9%	0	0	0.0%	0	0	0.0%	495	355	39.4%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	650	440	47.7%
PANHANDLE BASIS SWAP FUT	PH	0	0	0.0%	0	640	-1	0	9,478	-100.0%	0	0	0.0%	0	701	-100.0%	3,060	69,021	-95.6%
PANHANDLE INDEX SWAP FUT	IV	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,480	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	864	0	0.0%
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0	0	0	2,639	-100.0%	0	0	0.0%	0	0	0.0%	1,009	28,861	-96.5%
PETROCHEMICALS	22	0	0	0.0%	0	0	0	111	25	344.0%	0	0	0.0%	0	0	0.0%	611	394	55.1%
PETROCHEMICALS	32	0	0	0.0%	0	0	0	93	38	144.7%	0	0	0.0%	0	0	0.0%	871	419	107.9%
PETROCHEMICALS	8I	0	0	0.0%	0	0	0	688	190	262.1%	0	0	0.0%	0	0	0.0%	4,963	1,356	266.0%
PETROCHEMICALS	91	0	0	0.0%	0	0	0	265	145	82.8%	0	0	0.0%	0	0	0.0%	1,754	1,364	28.6%
PETROCHEMICALS	HPE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	48	-100.0%
PETROCHEMICALS	JKM	0	-	-	0	-	-	310	-	-	0	-	-	0	-	-	310	-	-
PETROCHEMICALS	LPE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	MAC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	110	-54.5%
PETROCHEMICALS	MAE	0	0	0.0%	0	0	0	70	30	133.3%	0	0	0.0%	0	0	0.0%	140	385	-63.6%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	0	30	20	50.0%	0	0	0.0%	0	0	0.0%	215	930	-76.9%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	0	1,205	2,840	-57.6%	0	0	0.0%	0	0	0.0%	9,930	22,275	-55.4%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	2,603	3,424	-24.0%	0	0	0.0%	0	0	0.0%	13,572	16,850	-19.5%
PETROCHEMICALS	MPS	0	-	-	0	-	-	10	-	-	0	-	-	0	-	-	20	-	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	142	1,050	-86.5%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	264	64	312.5%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	0	80	-100.0%	0	0	0.0%	0	0	0.0%	1,310	80	1,537.5%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	905	86	952.3%	0	0	0.0%	0	0	0.0%	1,960	999	96.2%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	2,877	1,385	107.7%	0	0	0.0%	0	0	0.0%	21,057	11,096	89.8%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	275	1,755	-84.3%	0	0	0.0%	0	0	0.0%	5,978	7,855	-23.9%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	1,313	365	259.7%	0	0	0.0%	0	0	0.0%	6,983	1,525	357.9%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	360	100	260.0%	0	0	0.0%	0	0	0.0%	1,160	1,525	-23.9%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	0	1,571	-100.0%	0	0	0.0%	0	0	0.0%	8,987	8,105	10.9%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	17	10	70.0%	0	0	0.0%	0	0	0.0%	59	66	-10.6%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	3,370	6,618	-49.1%	0	0	0.0%	0	0	0.0%	47,673	58,954	-19.1%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	535	129	314.7%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	2,835	2,847	-0.4%	0	0	0.0%	0	0	0.0%	27,584	32,429	-14.9%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	75	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0	0	0	268	-100.0%	0	0	0.0%	0	0	0.0%	109	788	-86.2%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	1,125	475	136.8%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
PETRO CRCKS & SPRDS NA	RBB	0	0	0.0%	0	0	0	6,394	10,490	-39.0%	0	0	0.0%	0	0	0.0%	67,526	76,455	-11.7%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	21,880	14,247	53.6%	0	0	0.0%	0	0	0.0%	131,007	64,617	102.7%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	34	-55.9%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	1,720	1,882	-8.6%	0	0	0.0%	0	0	0.0%	11,060	13,800	-19.9%
PETRO CRK&SPRD EURO	1ND	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	288	289	-0.3%	0	0	0.0%	0	0	0.0%	2,031	1,265	60.6%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	BOB	0	0	0.0%	0	0	0	862	1,694	-49.1%	0	0	0.0%	0	0	0.0%	15,941	15,730	1.3%
PETRO CRK&SPRD EURO	EGN	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0.0%	18	-	-
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	31	0	0.0%	0	0	0.0%	0	0	0.0%	121	91	33.0%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	645	358	80.2%	0	0	0.0%	0	0	0.0%	3,398	1,918	77.2%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	1,588	1,489	6.6%	0	0	0.0%	0	0	0.0%	20,362	11,468	77.6%
PETRO CRK&SPRD EURO	FBT	0	0	0.0%	0	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	0	480	-100.0%
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	739	785	-5.9%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	15	0	0.0%	0	0	0.0%	0	0	0.0%	105	69	52.2%
PETRO CRK&SPRD EURO	LSU	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	70	0	0.0%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	138	321	-57.0%	0	0	0.0%	0	0	0.0%	857	1,065	-19.5%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	10	55	-81.8%	0	0	0.0%	0	0	0.0%	124	178	-30.3%
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	0	1,640	630	160.3%	0	0	0.0%	0	0	0.0%	8,770	3,449	154.3%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	23	0	0.0%	0	0	0.0%	0	0	0.0%	178	105	69.5%
PETRO CRK&SPRD EURO	SFC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	D44	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	D45	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	D46	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
PETROLEUM PRODUCTS	D64	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	D65	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	0	2,546	2,233	14.0%	0	0	0.0%	0	0	0.0%	20,204	4,307	369.1%
PETROLEUM PRODUCTS	MBS	0	0	0.0%	0	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	80	551	-85.5%
PETROLEUM PRODUCTS	MGS	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	20	-	-
PETROLEUM PRODUCTS	MHE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
PETROLEUM PRODUCTS	MME	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	20	-	-
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	1,363	-92.7%
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	0	830	320	159.4%	0	0	0.0%	0	0	0.0%	2,474	2,279	8.6%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	40	0	0.0%	0	0	0.0%	0	0	0.0%	192	427	-55.0%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	0	1,400	1,130	23.9%	0	0	0.0%	0	0	0.0%	16,107	10,245	57.2%
PETROLEUM PRODUCTS ASIA	MSB	0	-	-	0	-	0	20	-	-	0	-	0	-	-	0	45	-	-
PETRO OUTRIGHT EURO	0A	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0	0	20	50	-60.0%	0	0	0.0%	0	0	0.0%	103	1,300	-92.1%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	0	55	-100.0%	0	0	0.0%	0	0	0.0%	0	161	-100.0%
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	0	2,105	3,036	-30.7%	0	0	0.0%	0	0	0.0%	19,754	32,662	-39.5%
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	0	125	989	-87.4%	0	0	0.0%	0	0	0.0%	3,950	6,867	-42.5%
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	0	830	1,369	-39.4%	0	0	0.0%	0	0	0.0%	9,630	9,371	2.8%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	42	0	0.0%	0	0	0.0%	0	0	0.0%	102	20	410.0%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	80	219	-63.5%
PETRO OUTRIGHT EURO	5L	0	0	0.0%	0	0	0	0	65	-100.0%	0	0	0.0%	0	0	0.0%	491	1,542	-68.2%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	240	155	54.8%	0	0	0.0%	0	0	0.0%	737	1,032	-28.6%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	7	0	0.0%
PETRO OUTRIGHT EURO	7I	0	0	0.0%	0	0	0	0	17	-100.0%	0	0	0.0%	0	0	0.0%	875	1,290	-32.2%
PETRO OUTRIGHT EURO	7P	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	0	220	208	5.8%	0	0	0.0%	0	0	0.0%	2,071	2,118	-2.2%

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Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PETRO OUTRIGHT EURO	88	0	0.0%	0	0	0	30	0	0.0%	0	0	0.0%	0	0	0.0%	35	55	-36.4%	
PETRO OUTRIGHT EURO	CBB	0	-	0	-	-	0	-	-	0	-	-	0	-	-	42	-	-	
PETRO OUTRIGHT EURO	CGB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6	-100.0%	
PETRO OUTRIGHT EURO	CPB	0	0.0%	0	0	0	209	589	-64.5%	0	0	0.0%	0	0	0.0%	2,248	893	151.7%	
PETRO OUTRIGHT EURO	EFF	0	0.0%	0	0	0	10	55	-81.8%	0	0	0.0%	0	0	0.0%	290	416	-30.3%	
PETRO OUTRIGHT EURO	EFM	0	0.0%	0	0	0	25	25	0.0%	0	0	0.0%	0	0	0.0%	453	640	-29.2%	
PETRO OUTRIGHT EURO	ENS	0	0.0%	0	0	0	20	70	-71.4%	0	0	0.0%	0	0	0.0%	150	1,068	-86.0%	
PETRO OUTRIGHT EURO	ESB	0	-	0	-	-	0	-	-	0	-	-	0	-	-	69	-	-	
PETRO OUTRIGHT EURO	EWN	0	0.0%	0	0	0	693	229	202.6%	0	0	0.0%	0	0	0.0%	5,785	1,469	293.8%	
PETRO OUTRIGHT EURO	FBD	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	20	0.0%	
PETRO OUTRIGHT EURO	MBB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	480	84	471.4%	
PETRO OUTRIGHT EURO	MBN	0	0.0%	0	0	0	1,154	2,160	-46.6%	0	0	0.0%	0	0	0.0%	8,431	11,687	-27.9%	
PETRO OUTRIGHT EURO	SMU	0	0.0%	0	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	40	240	-83.3%	
PETRO OUTRIGHT EURO	TO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	164	368	-55.4%	
PETRO OUTRIGHT EURO	ULB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	375	490	-23.5%	
PETRO OUTRIGHT EURO	V0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	0	0.0%	
PETRO OUTRIGHT EURO	W0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%	
PETRO OUTRIGHT EURO	X0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETRO OUTRIGHT EURO	Y0	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETRO OUTRIGHT NA	FCB	0	0.0%	0	0	0	224	64	250.0%	0	0	0.0%	0	0	0.0%	1,574	1,030	52.8%	
PETRO OUTRIGHT NA	FOB	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETRO OUTRIGHT NA	FOM	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	3	1,566.7%	
PETRO OUTRIGHT NA	GBA	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	8	-100.0%	
PETRO OUTRIGHT NA	GUD	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	13	-100.0%	
PETRO OUTRIGHT NA	JE	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	420	439	-4.3%	
PETRO OUTRIGHT NA	JET	0	0.0%	0	0	0	7,581	7,590	-0.1%	0	0	0.0%	0	0	0.0%	33,620	22,180	51.6%	
PETRO OUTRIGHT NA	JTB	0	-	0	-	-	225	-	-	0	-	-	0	-	-	1,175	-	-	
PETRO OUTRIGHT NA	MBL	0	0.0%	0	0	0	105	0	0.0%	0	0	0.0%	0	0	0.0%	266	168	58.3%	
PETRO OUTRIGHT NA	MEN	0	0.0%	0	0	0	657	568	15.7%	0	0	0.0%	0	0	0.0%	5,026	5,438	-7.6%	
PETRO OUTRIGHT NA	MEO	0	0.0%	0	0	0	7,111	10,555	-32.6%	0	0	0.0%	0	0	0.0%	78,456	80,934	-3.1%	
PETRO OUTRIGHT NA	MFD	0	0.0%	0	0	0	0	45	-100.0%	0	0	0.0%	0	0	0.0%	203	838	-75.8%	
PETRO OUTRIGHT NA	MMF	0	0.0%	0	0	0	12	85	-85.9%	0	0	0.0%	0	0	0.0%	438	1,148	-61.8%	
PETRO OUTRIGHT NA	NYT	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	625	100	525.0%	
PETRO OUTRIGHT NA	XER	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	



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Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	0	18,736	-100.0%	0	0	0.0%	0	0	0.0%	273,469	1,033,248	-73.5%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	2,550	7,980	-68.0%	0	0	0.0%	0	0	0.0%	21,991	88,829	-75.2%
PJM AECO DA OFF-PEAK	X1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM AECO DA PEAK	Y1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM APS ZONE DA OFF-PEAK	W4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM APS ZONE DA PEAK	S4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM ATSI ELEC	MOD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	46,800	0	0.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,550	0	0.0%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	23,400	-100.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,275	-100.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	85,390	210,680	-59.5%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,675	11,470	-59.2%
PJM DAILY	JD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,300	-100.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	211,995	21,305	895.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0	0	6,873	-100.0%	0	0	0.0%	0	0	0.0%	5,250	21,628	-75.7%	
PJM DUQUESNE 5MW D AH PK	D5	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM DUQUS 5MW D AH O PK	D6	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM JCPL DA OFF-PEAK	F2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM JCPL DA PEAK	J2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0	0	1,260	15,126	-91.7%	0	0	0.0%	0	0	0.0%	79,100	57,094	38.5%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	0	36,030	365,760	-90.1%	0	0	0.0%	0	0	0.0%	1,700,530	1,355,132	25.5%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0	0	0	297,879	-100.0%	0	0	0.0%	0	0	0.0%	685,367	824,934	-16.9%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	0	60	14,833	-99.6%	0	0	0.0%	0	0	0.0%	39,086	40,050	-2.4%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	140	-100.0%
PJM PECO ZONE5MW PEAK CA	4N	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PEPCO DA OFF-PEAK	Q8	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM PPL DA OFF-PEAK	F5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PPL DA PEAK	L5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	163,800	-100.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,100	-100.0%
PJM WES HUB PEAK LMP 50 M	4S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0	0	46,800	0	0.0%	0	0	0.0%	0	0	0.0%	54,300	825,010	-93.4%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0	0	2,550	2,550	0.0%	0	0	0.0%	0	0	0.0%	8,620	45,148	-80.9%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	0	288,670	144,580	99.7%	0	0	0.0%	0	0	0.0%	2,134,895	5,573,176	-61.7%

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Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	0	17,480	75,239	-76.8%	0	0	0.0%	0	0	0.0%	195,856	524,567	-62.7%
PLASTICS	PGP	0	0	0.0%	0	0	0	575	612	-6.0%	0	0	0.0%	0	0	0.0%	4,390	2,743	60.0%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	85	258	-67.1%	0	0	0.0%	0	0	0.0%	493	2,413	-79.6%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	152	288	-47.2%
PREM UNL GAS 10PPM RDAM F	7N	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	7	2	250.0%
PREM UNL GAS 10PPM RDAM F	7L	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	37	273	-86.4%
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	357	695	-48.6%	0	0	0.0%	0	0	0.0%	4,264	3,197	33.4%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	4,889	9,204	-46.9%	0	0	0.0%	0	0	0.0%	54,702	80,072	-31.7%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	10,729	10,776	-0.4%	0	0	0.0%	5	0	0.0%	59,434	52,580	13.0%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	2,640	1,480	78.4%	0	0	0.0%	0	0	0.0%	5,204	11,775	-55.8%
RBOB CRACK SPREAD BALMO	1E	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	0	618	1,495	-58.7%	0	0	0.0%	0	0	0.0%	6,139	6,058	1.3%
RBOB PHY	RBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RBOB (PLATTS) CAL SWAP	RY	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	
RBOB SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RBOB UP-DOWN CALENDAR S	RV	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	9,203	-100.0%
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0	0	1,270	600	111.7%	0	0	0.0%	0	0	0.0%	16,120	11,827	36.3%
ROCKIES KERN OPAL - NW IN	IR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,046	-100.0%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0	0	0	6,088	-100.0%	0	0	0.0%	0	0	0.0%	2,254	51,389	-95.6%
SAN JUAN PIPE SWAP	XX	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	102	55	85.5%	0	0	0.0%	0	0	0.0%	524	437	19.9%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	292	121	141.3%	0	0	0.0%	0	0	0.0%	1,682	1,129	49.0%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	6,280	11,145	-43.7%	0	0	0.0%	0	0	0.0%	82,243	56,648	45.2%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	1,121	886	26.5%	0	0	0.0%	0	0	0.0%	9,076	9,521	-4.7%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	492	649	-24.2%	0	0	0.0%	0	0	0.0%	6,101	4,498	35.6%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	230	177	29.9%	0	0	0.0%	0	0	0.0%	1,303	1,858	-29.9%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	6,657	5,466	21.8%	0	0	0.0%	0	0	0.0%	39,694	29,644	33.9%
SINGAPORE GASOIL	STL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	800	180	344.4%
SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	0	103	190	-45.8%	0	0	0.0%	0	0	0.0%	2,214	537	312.3%
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	0	0	7,037	7,388	-4.8%	0	0	0.0%	36	0	0.0%	78,603	36,740	113.9%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	6,895	2,075	232.3%	0	0	0.0%	0	0	0.0%	68,264	15,083	352.6%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	536	56	857.1%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	2,200	1,225	79.6%	0	0	0.0%	0	0	0.0%	17,295	6,275	175.6%

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Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	1,560	900	73.3%	0	0	0.0%	0	0	0.0%	11,804	4,620	155.5%
SINGAPORE JET KERO VS. GAS	ZO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	25	25	0.0%	0	0	0.0%	0	0	0.0%	1,265	2,843	-55.5%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	0	6,922	6,821	1.5%	0	0	0.0%	5	0	0.0%	62,717	53,243	17.8%
SINGAPORE NAPHTHA BALMO	KU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
SINGAPORE NAPHTHA SWAP	SP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SING FUEL	MSD	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	40	15	166.7%
SOCAL BASIS SWAP	NS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SOCAL PIPE SWAP	XN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,600	-100.0%
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	368	-100.0%
SOUTHERN NAT LA NAT GAS	M8	0	0	0.0%	0	0	0	0	90	-100.0%	0	0	0.0%	0	0	0.0%	0	612	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,368	-100.0%
Sumas Basis Swap	NK	0	0	0.0%	0	0	0	0	460	-100.0%	0	0	0.0%	0	0	0.0%	6,238	14,235	-56.2%
SUMAS NAT GAS PLATTS FIXE	DVS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	306	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	15	-100.0%
TCO BASIS SWAP	TC	0	0	0.0%	0	0	0	0	8,295	-100.0%	0	0	0.0%	0	0	0.0%	8,226	25,709	-68.0%
TCO NG INDEX SWAP	Q1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
TENN 800 LEG NAT GAS INDE	L4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,285	-100.0%
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	0	0	0	360	-100.0%	0	0	0.0%	0	0	0.0%	428	1,084	-60.5%
TENNESSEE 800 LEG NG BASI	6Z	0	0	0.0%	0	0	0	0	730	-100.0%	0	0	0.0%	0	0	0.0%	0	1,526	-100.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,600	-100.0%
Tetco ELA Basis	TE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TETCO M-3 INDEX	IX	0	0	0.0%	0	0	0	0	600	-100.0%	0	0	0.0%	0	0	0.0%	0	8,063	-100.0%
Tetco STX Basis	TX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,611	-100.0%
TEXAS EASTERN ZONE M-3 BA	NX	0	0	0.0%	0	0	0	604	10,735	-94.4%	0	0	0.0%	0	31	-100.0%	8,604	66,480	-87.1%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 1 NG BASIS	8E	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Transco Zone 3 Basis	CZ	0	0	0.0%	0	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	302	730	-58.6%
TRANSCO ZONE 3 NG INDEX S	Y6	0	-	-	0	-	0	0	-	-	0	-	0	-	-	-	6,256	-	-
TRANSCO ZONE4 BASIS SWAP	TR	0	0	0.0%	0	0	0	0	856	-100.0%	0	0	0.0%	0	646	-100.0%	12,619	16,419	-23.1%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	465	1,457	-68.1%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	0.0%	0	0	0	0	674	-100.0%	0	0	0.0%	0	0	0.0%	2,870	7,063	-59.4%
TRANSCO ZONE 6 INDEX	IT	0	0	0.0%	0	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	856	6,134	-86.0%

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Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
TRANSCO ZONE 6 PIPE SWAP	XZ4	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
UCM FUT	UCM	0	0	0.0%	0	0	0	20	30	-33.3%	0	0	0.0%	0	0	0.0%	265	261	1.5%
ULSD 10PPM CIF MED BALMO	X7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	38	-100.0%
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	45	-33.3%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	66	164	-59.8%
ULSD 10PPM CIF NW BALMO S	B1	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	6	-	-
ULSD 10PPM CIF VS ICE GAS	7V	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	35	-100.0%
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	0	3,950	11,350	-65.2%	0	0	0.0%	0	0	0.0%	28,900	43,760	-34.0%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	63,616	59,864	6.3%	0	0	0.0%	0	0	0.0%	368,337	434,370	-15.2%
USGC UNL 87 CRACK SPREAD	RU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	175	-100.0%
VENTURA NAT GAS PLATTS FIX	DVA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
WAHA BASIS	NW	0	0	0.0%	0	0	0	3,012	3,850	-21.8%	0	0	0.0%	0	0	0.0%	6,064	39,520	-84.7%
WAHA INDEX SWAP FUTURE	IY	0	0	0.0%	0	0	0	0	480	-100.0%	0	0	0.0%	0	0	0.0%	0	8,420	-100.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0	0	0	690	-100.0%	0	0	0.0%	0	0	0.0%	2,220	8,057	-72.4%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	404	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	0	31,785	12,231	159.9%	0	0	0.0%	120	0	0.0%	96,017	97,818	-1.8%
WTI CALENDAR	CS	0	0	0.0%	0	0	0	40,687	23,748	71.3%	0	1,069	-100.0%	0	0	0.0%	276,849	232,728	19.0%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	11,370	6,720	69.2%	0	0	0.0%	0	0	0.0%	36,744	14,102	160.6%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	1,620	855	89.5%	0	0	0.0%	0	0	0.0%	5,564	8,581	-35.2%
Energy Options																			
12 MO GASOIL CAL SWAP SPR	GXZ	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	230	-	-
1 MO GASOIL CAL SWAP SPR	GXA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
APPALACHIAN COAL	6K	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0	0	0	600	-100.0%	0	0	0.0%	0	0	0.0%	5,297	11,228	-52.8%
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	9,316	4,000	132.9%	0	3,000	-100.0%	0	0	0.0%	33,611	31,215	7.7%
BRENT OIL LAST DAY	BZO	0	0	0.0%	28,940	2,682	9.79	24,851	26,742	-7.1%	0	2,473	-100.0%	65,849	10,103	551.8%	167,216	111,979	49.3%
BRENT OIL LAST DAY	OS	0	4	-100.0%	0	0	0	500	600	-16.7%	0	4,428	-100.0%	144	0	0.0%	3,500	7,398	-52.7%
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	150	3,025	-95.0%	0	0	0.0%	0	0	0.0%	8,171	47,847	-82.9%
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	0	850	-100.0%	0	0	0.0%	0	0	0.0%	610	101,534	-99.4%
COAL API2 INDEX	MTC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	150	-66.7%
COAL API4 INDEX	RLA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%

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Energy Options																			
COAL API4 INDEX	RQA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,330	-100.0%	
COAL SWAP	CPF	0	0	0.0%	0	0	40	200	-80.0%	0	0	0.0%	0	0	0.0%	180	585	-69.2%	
COAL SWAP	RPF	0	0	0.0%	0	0	360	0	0.0%	0	0	0.0%	0	0	0.0%	445	86	417.4%	
CRUDE OIL 1MO	WA	0	0	0.0%	56,904	51,673	136,850	204,200	-33.0%	0	100	-100.0%	183,188	471,695	-61.2%	1,248,414	1,487,235	-16.1%	
CRUDE OIL APO	AO	0	72	-100.0%	0	0	67,115	44,312	51.5%	0	7,159	-100.0%	52	0	0.0%	324,604	209,737	54.8%	
CRUDE OIL CALNDR STRIP	6F	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0	0	1,140	-100.0%	0	0	0.0%	0	0	0.0%	0	2,290	-100.0%	
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
CRUDE OIL OUTRIGHTS	WCI	0	-	-	0	-	7,680	-	-	0	-	-	0	-	-	7,680	-	-	
CRUDE OIL PHY	CD	0	0	0.0%	25	0	5,325	2,850	86.8%	0	0	0.0%	25	0	0.0%	19,990	28,175	-29.1%	
CRUDE OIL PHY	LC	0	894	-100.0%	0	0	13,195	11,386	15.9%	0	11,081	-100.0%	13	0	0.0%	218,704	262,845	-16.8%	
CRUDE OIL PHY	LO	0	7,170	-100.0%	2,696,111	3,129,027	630,076	840,980	-25.1%	0	195,426	-100.0%	24,573,666	22,248,117	10.5%	6,398,800	7,021,552	-8.9%	
CRUDE OIL PHY	LO1	0	0	0.0%	24,809	10,780	550	0	0.0%	0	1,350	-100.0%	113,673	44,393	156.1%	700	150	366.7%	
CRUDE OIL PHY	LO2	0	0	0.0%	20,906	3,688	50	0	0.0%	0	350	-100.0%	100,406	32,127	212.5%	250	200	25.0%	
CRUDE OIL PHY	LO3	0	0	0.0%	10,246	5,258	0	0	0.0%	0	1,200	-100.0%	69,990	18,309	282.3%	200	0	0.0%	
CRUDE OIL PHY	LO4	0	100	-100.0%	20,549	4,215	0	0	0.0%	0	1,750	-100.0%	134,671	31,273	330.6%	200	630	-68.3%	
CRUDE OIL PHY	LO5	0	0	0.0%	74	0	0	0	0.0%	0	585	-100.0%	34,612	14,264	142.7%	250	700	-64.3%	
DAILY CRUDE OIL	DNM	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ELEC FINSETTLED	PML	0	0	0.0%	0	0	0	14	-100.0%	0	0	0.0%	0	0	0.0%	0	227	-100.0%	
ELEC MISO PEAK	9T	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	820	2,580	-68.2%	
ELECTRICITY OFF PEAK	N9P	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ETHANOL	CE1	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	75	25	200.0%	
ETHANOL	CE3	0	0	0.0%	0	0	25	0	0.0%	0	0	0.0%	0	0	0.0%	325	25	1,200.0%	
ETHANOL SWAP	CVR	0	0	0.0%	0	0	5,261	5,623	-6.4%	0	0	0.0%	0	0	0.0%	41,063	44,318	-7.3%	
ETHANOL SWAP	GVR	0	0	0.0%	0	0	195	0	0.0%	0	0	0.0%	0	0	0.0%	1,580	2,318	-31.8%	
EURO-DENOMINATED PETRO P	EFB	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
EURO-DENOMINATED PETRO P	NWE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
EUROPEAN JET KEROSENE N	30	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%	
GASOIL CRACK SPREAD AVG P	3U	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
GASOLINE	GCE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	872	-100.0%	
HEATING OIL CRACK OPTIONS	CH	0	-	-	0	-	0	-	-	0	-	-	0	-	-	100	-	-	
HEATING OIL CRK SPD AVG PR	3W	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
HEATING OIL PHY	LB	0	5	-100.0%	0	0	135	0	0.0%	0	141	-100.0%	8	0	0.0%	1,695	60	2,725.0%	
HEATING OIL PHY	OH	0	402	-100.0%	4,919	6,165	27,434	37,144	-26.1%	0	5,967	-100.0%	40,029	56,106	-28.7%	216,370	377,266	-42.6%	

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Energy Options																			
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	3,023	591	411.5%	0	0	0.0%	0	0	0.0%	28,383	15,937	78.1%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	0	0.0%	1,600	5,700	-71.9%
HUSTN SHIP CHNL PIPE SWP	PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
LLS CRUDE OIL	WJO	0	0	0.0%	0	0	0	0	600	-100.0%	0	0	0.0%	0	0	0.0%	5,100	11,730	-56.5%
LLS CRUDE OIL	YVO	0	-	-	0	-	-	750	-	-	0	-	-	0	-	-	750	-	-
MCCLOSKY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,290	8,395	-84.6%
MCCLOSKY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,385	-100.0%
NATURAL GAS	G10	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	450	500	-10.0%
NATURAL GAS 12 M CSO FIN	G7	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	0	0	0.0%	325	0	0	12,300	7,049	74.5%	0	200	-100.0%	1,320	0	0.0%	295,125	43,379	580.3%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,550	1,000	255.0%
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	25,825	17,175	50.4%	0	250	-100.0%	0	0	0.0%	106,250	173,649	-38.8%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,050	1,200	237.5%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	0	2,000	0	0.0%	0	0	0.0%	0	0	0.0%	38,820	4,100	846.8%
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	600	2,630	-77.2%	0	0	0.0%	0	0	0.0%	7,538	16,008	-52.9%
NATURAL GAS PHY	KD	0	0	0.0%	21,967	0	0	33,650	26,432	27.3%	0	0	0.0%	30,445	0	0.0%	262,340	259,276	1.2%
NATURAL GAS PHY	LN	0	70	-100.0%	982,507	730,419	0.35	848,647	1,274,855	-33.4%	0	10,207	-100.0%	7,790,751	3,151,625	147.2%	9,889,221	12,214,982	-19.0%
NATURAL GAS PHY	ON	0	215	-100.0%	147,090	266,438	-0.45	4,508	4,283	5.3%	0	8,597	-100.0%	1,515,778	2,170,605	-30.2%	57,186	53,701	6.5%
NATURAL GAS PHY	ON1	0	0	0.0%	0	2	-1	0	0	0.0%	0	0	0.0%	0	2	-100.0%	0	0	0.0%
NATURAL GAS PHY	ON5	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NG HH 3 MONTH CAL	IC	0	0	0.0%	0	0	0	0	0	0.0%	0	500	-100.0%	0	0	0.0%	0	0	0.0%
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	0	1,174	720	63.1%	0	0	0.0%	0	0	0.0%	4,030	4,230	-4.7%
NY HARBOR HEAT OIL SWP	AT	0	50	-100.0%	33	0	0	2,510	5,011	-49.9%	0	1,343	-100.0%	446	6	7,333.3%	27,245	45,914	-40.7%
NYISO ZONE G 5MW PEAK OPT	9U	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	19,830	420	4,621.4%
NYMEX EUROPEAN GASOIL AP	F7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL OP	F8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PANHANDLE PIPE SWAP	PU	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	2,880	-	-
PETROCHEMICALS	4H	0	0	0.0%	0	0	0	1,358	949	43.1%	0	0	0.0%	0	10	-100.0%	4,732	10,409	-54.5%
PETROCHEMICALS	4I	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	275	0	0.0%	0	0	0.0%	0	0	0.0%	2,725	4,455	-38.8%
PETROCHEMICALS	4K	0	0	0.0%	0	0	0	200	900	-77.8%	0	0	0.0%	0	0	0.0%	400	900	-55.6%
PETROCHEMICALS	CPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	18	495	-96.4%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	0	0.0%
PGE CITYGATE PIPE SWAP	CW	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.

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Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Options																			
PJM CALENDAR STRIP	60	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PJM ELECTRIC	600	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PJM MONTHLY	JO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PJM WES HUB PEAK CAL MTH	60A	0	0.0%	0	0	0	260	170	52.9%	0	0	0.0%	0	0	0.0%	3,810	590	545.8%	
PJM WES HUB PEAK CAL MTH	JOA	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10,300	-100.0%	
PJM WES HUB PEAK LMP 50MW	PMA	0	0.0%	0	0	0	540	7,301	-92.6%	0	0	0.0%	0	0	0.0%	12,625	9,211	37.1%	
RBOB 1MO CAL SPD OPTIONS	ZA	0	0.0%	0	0	0	2,050	0	0.0%	0	0	0.0%	0	0	0.0%	4,058	3,400	19.4%	
RBOB CALENDAR SWAP	RA	0	0.0%	0	0	0	225	300	-25.0%	0	50	-100.0%	10	0	0.0%	2,350	6,049	-61.2%	
RBOB PHY	OB	0	247	-100.0%	9,287	7,590	0.22	31,664	21,018	50.7%	0	8,001	-100.0%	49,617	62,970	-21.2%	170,182	242,499	-29.8%
RBOB PHY	RF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	85	20	325.0%	
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	0	520	-100.0%	
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0	0	1,536	-100.0%	0	0	0.0%	0	0	0.0%	1,980	7,848	-74.8%	
SHORT TERM	U11	0	0	0.0%	0	0	950	650	46.2%	0	0	0.0%	0	0	0.0%	4,240	2,250	88.4%	
SHORT TERM	U12	0	0	0.0%	0	0	0	550	-100.0%	0	0	0.0%	0	0	0.0%	3,679	3,330	10.5%	
SHORT TERM	U13	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,085	3,411	-38.9%	
SHORT TERM	U14	0	0	0.0%	0	0	750	0	0.0%	0	0	0.0%	0	0	0.0%	2,455	4,425	-44.5%	
SHORT TERM	U15	0	0	0.0%	0	0	490	625	-21.6%	0	0	0.0%	0	0	0.0%	4,075	2,600	56.7%	
SHORT TERM	U22	0	0	0.0%	0	0	0	500	-100.0%	0	0	0.0%	0	0	0.0%	1,577	2,875	-45.1%	
SHORT TERM	U23	0	0	0.0%	0	0	50	400	-87.5%	0	0	0.0%	0	0	0.0%	1,072	1,080	-0.7%	
SHORT TERM	U24	0	0	0.0%	0	0	600	400	50.0%	0	0	0.0%	0	0	0.0%	2,570	1,780	44.4%	
SHORT TERM	U25	0	0	0.0%	0	0	90	300	-70.0%	0	0	0.0%	0	0	0.0%	390	505	-22.8%	
SHORT TERM	U26	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	292	1,230	-76.3%	
SHORT TERM CRUDE OIL	C02	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	1,025	100	925.0%	0	0	0.0%	0	0	0.0%	3,315	3,375	-1.8%	
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	500	175	185.7%	0	0	0.0%	0	0	0.0%	2,925	3,250	-10.0%	
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	100	220	-54.5%	0	0	0.0%	0	0	0.0%	2,220	945	134.9%	
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0	140	1,600	-91.3%	0	0	0.0%	0	0	0.0%	870	4,100	-78.8%	
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	400	-100.0%	0	0	0.0%	0	0	0.0%	3,225	2,725	18.3%	
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5,625	1,930	191.5%	
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	150	0	0.0%	0	0	0.0%	0	0	0.0%	3,085	3,500	-11.9%	
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0	485	1,175	-58.7%	0	0	0.0%	0	0	0.0%	3,870	3,222	20.1%	
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	900	600	50.0%	0	0	0.0%	0	0	0.0%	3,600	3,992	-9.8%	
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	665	430	54.7%	0	0	0.0%	0	0	0.0%	5,552	3,995	39.0%	
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0	1,550	0	0.0%	0	0	0.0%	0	0	0.0%	3,670	3,310	10.9%	

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Energy Options																		
SHORT TERM NATURAL GAS U17	0	0	0.0%	0	0	0	375	175	114.3%	0	0	0.0%	0	0	0.0%	3,304	955	246.0%
SHORT TERM NATURAL GAS U18	0	0	0.0%	0	0	0	550	725	-24.1%	0	0	0.0%	0	0	0.0%	1,037	2,805	-63.0%
SHORT TERM NATURAL GAS U19	0	0	0.0%	0	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	3,685	1,280	187.9%
SHORT TERM NATURAL GAS U20	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,805	1,030	172.3%
SHORT TERM NATURAL GAS U21	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	1,899	575	230.3%
SHORT TERM NATURAL GAS U27	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,870	900	107.8%
SHORT TERM NATURAL GAS U28	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,605	3,275	-51.0%
SHORT TERM NATURAL GAS U29	0	0	0.0%	0	0	0	150	75	100.0%	0	0	0.0%	0	0	0.0%	410	2,525	-83.8%
SHORT TERM NATURAL GAS U30	0	0	0.0%	0	0	0	365	250	46.0%	0	0	0.0%	0	0	0.0%	3,420	850	302.4%
SHORT TERM NATURAL GAS U31	0	0	0.0%	0	0	0	100	100	0.0%	0	0	0.0%	0	0	0.0%	5,750	850	576.5%
SINGAPORE FUEL OIL 180 CS C5	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE GASOIL CALENDAR M2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALENDAR N2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP ZN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10,000	-100.0%
WTI 12 MONTH CALENDAR OPT WZ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
WTI-BRENT BULLET SWAP BV	0	0	0.0%	1,468	0	0	30,250	15,210	98.9%	0	0	0.0%	7,088	0	0.0%	262,104	152,050	72.4%
WTI CRUDE OIL 1 M CSO FI 7A	0	0	0.0%	400	9,300	-0.96	90,600	68,600	32.1%	0	0	0.0%	400	26,126	-98.5%	473,550	1,229,167	-61.5%

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Metals Futures																			
COMEX GOLD	GC	0	6,793	-100.0%	6,585,348	4,144,648	0.59	223,466	131,421	70.0%	0	82,271	-100.0%	43,544,550	37,047,350	17.5%	1,597,957	1,111,521	43.8%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	60	537	-0.89	7,256	4,469	62.4%	0	0	0.0%	1,962	4,036	-51.4%	36,536	34,166	6.9%
NYMEX PLATINUM	PL	0	0	0.0%	380,656	265,634	0.43	14,228	7,298	95.0%	0	38	-100.0%	2,934,267	2,348,567	24.9%	94,184	48,603	93.8%
PALLADIUM	PA	0	0	0.0%	155,850	155,005	0.01	8,303	10,927	-24.0%	0	63	-100.0%	956,621	880,623	8.6%	52,124	34,315	51.9%
URANIUM	UX	0	0	0.0%	0	0	0	232	0	0.0%	0	0	0.0%	427	993	-57.0%	4,030	5,500	-26.7%
COMEX SILVER	SI	0	732	-100.0%	2,551,022	1,881,923	0.36	53,638	29,037	84.7%	0	8,645	-100.0%	15,184,866	11,905,703	27.5%	365,659	169,396	115.9%
COMEX E-Mini GOLD	QO	0	0	0.0%	6,863	7,956	-0.14	0	0	0.0%	0	0	0.0%	65,951	88,632	-25.6%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	795	1,618	-0.51	0	0	0.0%	0	0	0.0%	7,194	10,178	-29.3%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	2,918,785	1,867,061	0.56	26,202	1,083	2,319.4%	0	850	-100.0%	16,770,736	13,605,398	23.3%	214,514	23,332	819.4%
COMEX MINY COPPER	QC	0	0	0.0%	674	417	0.62	0	0	0.0%	0	0	0.0%	6,153	4,533	35.7%	0	0	0.0%
ALUMINUM	A38	0	0	0.0%	0	0	0	0	21	-100.0%	0	0	0.0%	0	0	0.0%	30	71	-57.7%
ALUMINUM	AEP	0	0	0.0%	0	0	0	4,140	1,440	187.5%	0	0	0.0%	78	2,768	-97.2%	21,851	6,201	252.4%
ALUMINUM	ALA	0	-	-	0	-	-	1,990	-	-	0	-	-	0	-	-	2,440	-	-
ALUMINUM	ALI	0	0	0.0%	53	601	-0.91	0	45	-100.0%	0	0	0.0%	4,109	4,995	-17.7%	950	45	2,011.1%
ALUMINUM	AUP	0	0	0.0%	115	82	0.4	7,331	4,881	50.2%	0	0	0.0%	1,535	4,570	-66.4%	57,583	43,792	31.5%
ALUMINUM	EDP	0	0	0.0%	30	80	-0.63	4,170	1,500	178.0%	0	0	0.0%	44	80	-45.0%	8,686	3,770	130.4%
ALUMINUM	MJP	0	0	0.0%	0	140	-1	1,710	720	137.5%	0	0	0.0%	221	999	-77.9%	9,828	4,524	117.2%
COPPER	HGS	0	0	0.0%	0	0	0	433	463	-6.5%	0	0	0.0%	0	0	0.0%	1,418	2,245	-36.8%
E-MICRO GOLD	MGC	0	0	0.0%	107,277	56,462	0.9	0	0	0.0%	0	0	0.0%	713,349	723,972	-1.5%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	0	0	0	220	40	450.0%	0	0	0.0%	35	0	0.0%	715	550	30.0%
FERROUS PRODUCTS	SSF	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GOLD	GPS	0	-	-	0	-	-	0	-	-	0	-	-	1	-	-	0	-	-
Gold Kilo	GCK	0	0	0.0%	294	4,083	-0.93	0	0	0.0%	0	0	0.0%	2,829	40,021	-92.9%	0	0	0.0%
IRON ORE 58 CHINA TSI FUTUR	TIC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA PLATTS FL	PIO	0	0	0.0%	0	0	0	1,770	0	0.0%	0	0	0.0%	0	0	0.0%	7,982	2,470	223.2%
IRON ORE 62 CHINA TSI FUTUR	TIO	0	0	0.0%	365	461	-0.21	6,782	12,652	-46.4%	0	0	0.0%	2,463	4,456	-44.7%	75,593	131,991	-42.7%
LNDN ZINC	ZNC	0	0	0.0%	0	14	-1	0	0	0.0%	0	0	0.0%	85	200	-57.5%	0	0	0.0%
METALS	LED	0	0	0.0%	0	10	-1	0	0	0.0%	0	0	0.0%	0	15	-100.0%	0	0	0.0%
SILVER	SIL	0	0	0.0%	10,988	11,552	-0.05	0	0	0.0%	0	0	0.0%	47,805	70,762	-32.4%	0	0	0.0%



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Metals Options																			
COMEX COPPER	HX	0	0	0.0%	10,432	3,351	2.11	0	0	0.0%	0	1,073	-100.0%	36,342	18,296	98.6%	2,679	3,296	-18.7%
COMEX GOLD	OG	0	40,881	-100.0%	750,638	448,072	0.68	249,309	110,773	125.1%	0	548,376	-100.0%	5,067,632	4,650,608	9.0%	1,503,757	1,178,786	27.6%
COMEX SILVER	SO	0	10,075	-100.0%	158,741	105,340	0.51	13,408	9,964	34.6%	0	65,796	-100.0%	877,531	782,880	12.1%	106,124	77,295	37.3%
COPPER	H4E	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GOLD	OG1	0	0	0.0%	5,224	1,737	2.01	0	0	0.0%	0	86	-100.0%	23,967	8,670	176.4%	450	100	350.0%
GOLD	OG2	0	0	0.0%	5,647	947	4.96	1,758	0	0.0%	0	240	-100.0%	24,793	7,347	237.5%	2,658	1,650	61.1%
GOLD	OG3	0	0	0.0%	3,860	341	10.32	0	0	0.0%	0	90	-100.0%	27,285	6,553	316.4%	1,665	300	455.0%
GOLD	OG4	0	0	0.0%	2,367	379	5.25	0	0	0.0%	0	0	0.0%	13,451	4,573	194.1%	150	275	-45.5%
GOLD	OG5	0	0	0.0%	0	0	0	0	0	0.0%	0	200	-100.0%	5,791	2,136	171.1%	0	100	-100.0%
IRON ORE 62 CHINA TSI CALL C	ICT	0	0	0.0%	0	0	0	4,750	2,308	105.8%	0	0	0.0%	0	0	0.0%	13,202	35,509	-62.8%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	4,500	800	462.5%	0	0	0.0%	0	0	0.0%	21,695	24,186	-10.3%
NYMEX PLATINUM	PO	0	180	-100.0%	2,081	1,679	0.24	2,264	4,844	-53.3%	0	2,190	-100.0%	8,733	5,729	52.4%	13,564	26,444	-48.7%
PALLADIUM	PAO	0	50	-100.0%	1,891	520	2.64	11,564	4,340	166.5%	0	322	-100.0%	8,848	1,994	343.7%	36,530	24,082	51.7%
SILVER	SO1	0	0	0.0%	19	10	0.9	0	0	0.0%	0	0	0.0%	517	22	2,250.0%	25	0	0.0%
SILVER	SO2	0	0	0.0%	6	0	0	0	0	0.0%	0	0	0.0%	194	1	19,300.0%	0	0	0.0%
SILVER	SO3	0	0	0.0%	10	0	0	0	0	0.0%	0	0	0.0%	577	200	188.5%	0	0	0.0%
SILVER	SO4	0	0	0.0%	0	10	-1	0	0	0.0%	0	0	0.0%	114	20	470.0%	0	0	0.0%
SILVER	SO5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	3	6	-50.0%	0	0	0.0%
TOTAL FUTURES GROUP																			
Commodities and Alternative Investments Future		0	0	0.0%	3	623	-99.5%	0	0	0.0%	0	0	0.0%	176	3,125	-94.4%	0	0	0.0%
Energy Futures		0	1,078	-100.0%	54,602,870	40,182,082	35.9%	3,496,762	4,108,799	-14.9%	0	25,763	-100.0%	350,707,950	306,052,224	14.6%	30,793,627	37,724,845	-18.4%
Metals Futures		0	7,525	-100.0%	12,719,175	8,398,284	51.4%	361,871	205,997	75.7%	0	91,867	-100.0%	80,245,281	66,748,851	20.2%	2,552,080	1,622,492	57.3%
TOTAL FUTURES		0	8,603	-100.0%	67,322,048	48,580,989	38.6%	3,858,633	4,314,796	-10.6%	0	117,630	-100.0%	430,953,407	372,804,200	15.6%	33,345,707	39,347,337	-15.3%
TOTAL OPTIONS GROUP																			
Energy Options		0	9,229	-100.0%	4,026,560	4,227,237	-4.7%	2,031,902	2,648,766	-23.3%	0	264,158	-100.0%	34,712,181	28,337,731	22.5%	20,481,864	24,377,961	-16.0%
Metals Options		0	51,186	-100.0%	940,916	562,386	67.3%	287,553	133,029	116.2%	0	618,373	-100.0%	6,095,778	5,489,035	11.1%	1,702,499	1,372,023	24.1%
TOTAL OPTIONS		0	60,415	-100.0%	4,967,476	4,789,623	3.7%	2,319,455	2,781,795	-16.6%	0	882,531	-100.0%	40,807,959	33,826,766	20.6%	22,184,363	25,749,984	-13.8%

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry AUG 2017	Open Outcry AUG 2016	% CHG	ELEC AUG 2017	ELEC AUG 2016	% CHG	CME ClearPort AUG 2017	CME ClearPort AUG 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG
TOTAL COMBINED																		
Commodities and Alternative Investments	0	0	0.0%	3	623	-99.5%	0	0	0.0%	0	0	0.0%	176	3,125	-94.4%	0	0	0.0%
Energy	0	10,307	-100.0%	58,629,430	44,409,319	32.0%	5,528,664	6,757,565	-18.2%	0	289,921	-100.0%	385,420,131	334,389,955	15.3%	51,275,491	62,102,806	-17.4%
Metals	0	58,711	-100.0%	13,660,091	8,960,670	52.4%	649,424	339,026	91.6%	0	710,240	-100.0%	86,341,059	72,237,886	19.5%	4,254,579	2,994,515	42.1%
GRAND TOTAL	0	69,018	-100.0%	72,289,524	53,370,612	35.4%	6,178,088	7,096,591	-12.9%	0	1,000,161	-100.0%	471,761,366	406,630,966	16.0%	55,530,070	65,097,321	-14.7%