



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2017	VOLUME AUG 2016	% CHG	VOLUME JUL 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Commodities and Alternative Investments Futures									
COCOA TAS	CJ	0	517	-100.0%	0	0.0%	81	2,034	-96.0%
COFFEE	KT	0	6	-100.0%	0	0.0%	40	143	-72.0%
COTTON	TT	0	77	-100.0%	0	0.0%	15	547	-97.3%
SUGAR 11	YO	3	23	-87.0%	5	-40.0%	40	401	-90.0%
Energy Futures									
CRUDE OIL PHY	CL	34,725,473	23,050,506	50.6%	27,618,101	25.7%	209,610,862	178,061,170	17.7%
CRUDE OIL	WS	5,704	2,422	135.5%	5,704	0.0%	44,687	78,675	-43.2%
MINY WTI CRUDE OIL	QM	304,306	268,400	13.4%	254,223	19.7%	2,119,492	2,314,208	-8.4%
BRENT OIL LAST DAY	BZ	2,139,027	1,740,374	22.9%	1,434,996	49.1%	15,918,565	15,959,798	-0.3%
HEATING OIL PHY	HO	4,759,873	3,454,972	37.8%	3,601,087	32.2%	29,115,009	26,081,420	11.6%
HTG OIL	BH	50	0	0.0%	36	38.9%	218	5,402	-96.0%
MINY HTG OIL	QH	3	11	-72.7%	4	-25.0%	21	83	-74.7%
RBOB PHY	RB	5,803,692	4,134,378	40.4%	4,065,768	42.7%	34,951,439	30,272,118	15.5%
MINY RBOB GAS	QU	4	7	-42.9%	3	33.3%	35	34	2.9%
NATURAL GAS	HP	95,960	138,633	-30.8%	119,466	-19.7%	1,165,845	1,007,524	15.7%
LTD NAT GAS	HH	277,723	231,365	20.0%	254,840	9.0%	2,351,619	1,839,911	27.8%
MINY NATURAL GAS	QG	16,749	24,470	-31.6%	16,566	1.1%	201,339	198,581	1.4%
PJM MONTHLY	JM	0	0	0.0%	0	0.0%	120	2,898	-95.9%
NATURAL GAS PHY	NG	8,159,356	8,506,938	-4.1%	7,515,283	8.6%	68,802,626	60,717,661	13.3%
RBOB GAS	RT	3,211	1,532	109.6%	5,182	-38.0%	19,163	10,433	83.7%
3.5% FUEL OIL CID MED SWA	7D	10	390	-97.4%	5	100.0%	887	2,141	-58.6%
3.5% FUEL OIL CIF BALMO S	8D	5	45	-88.9%	0	0.0%	175	210	-16.7%
AEP-DAYTON HUB DAILY	VD	0	0	0.0%	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	VM	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%
ALGON CITY GATES NAT GAS	N7	0	240	-100.0%	0	0.0%	0	5,980	-100.0%
ALGONQUIN CITYGATES BASIS	B4	0	487	-100.0%	0	0.0%	0	5,904	-100.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	0	0.0%	0	0	0.0%
ANR OKLAHOMA	NE	0	60	-100.0%	0	0.0%	0	3,599	-100.0%
APPALACHIAN COAL (PHY)	QL	0	0	0.0%	0	0.0%	0	130	-100.0%
ARGUS LLS VS. WTI (ARG) T	E5	16,416	12,620	30.1%	6,155	166.7%	59,176	110,275	-46.3%
ARGUS PROPAN FAR EST INDE	7E	4,959	1,146	332.7%	3,541	40.0%	18,054	12,139	48.7%

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Energy Futures									
ARGUS PROPAN(SAUDI ARAMCO	9N	1,330	409	225.2%	837	58.9%	7,924	7,317	8.3%
AUSTRIALIAN COKE COAL	ALW	10	243	-95.9%	0	0.0%	1,003	3,116	-67.8%
BRENT BALMO SWAP	J9	0	275	-100.0%	190	-100.0%	478	1,085	-55.9%
BRENT CALENDAR SWAP	CY	6,902	843	718.7%	3,959	74.3%	23,822	17,760	34.1%
BRENT CFD SWAP	6W	0	0	0.0%	0	-	0	0	0.0%
BRENT FINANCIAL FUTURES	BB	0	65	-100.0%	835	-100.0%	41,011	2,152	1,805.7%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0.0%	0	1,424	-100.0%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	80	-100.0%	200	413	-51.6%
BRENT OIL LAST DAY	BZL	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%
CAISO SP15 EZGNHUB5 MW P	9X	0	0	-	0	0.0%	7,940	0	-
CAISO SP15 EZGNHUB5 PEAK	9Z	0	0	-	0	0.0%	0	0	-
CANADIAN LIGHT SWEET OIL	CIL	270	3,390	-92.0%	15	1,700.0%	7,269	16,575	-56.1%
CENTERPOINT BASIS SWAP	PW	0	700	-100.0%	0	0.0%	534	10,650	-95.0%
CENTERPOINT EAST INDEX	II	0	0	0.0%	0	0.0%	0	740	-100.0%
CENTER POINT NAT GAS FIXED PRICE	DAC	0	0	0.0%	0	-	0	0	0.0%
CHICAGO ETHANOL SWAP	CU	118,405	114,091	3.8%	72,594	63.1%	913,706	788,712	15.8%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	250	769	-67.5%	99	152.5%	1,231	2,606	-52.8%
CHICAGO UNL GAS PL VS RBO	3C	0	275	-100.0%	0	0.0%	0	1,875	-100.0%
CIG BASIS	CI	0	11,326	-100.0%	540	-100.0%	726	65,149	-98.9%
CIG ROCKIES NG INDEX SWA	Z8	0	0	0.0%	0	0.0%	720	1,054	-31.7%
CINERGY HUB OFF-PEAK MONT	EJ	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%
CIN HUB 5MW D AH O PK	K2	16,000	0	0.0%	80,000	-80.0%	278,680	275,560	1.1%
CIN HUB 5MW D AH PK	H5	554	258	114.7%	855	-35.2%	14,222	18,672	-23.8%
CIN HUB 5MW REAL TIME O P	H4	16,000	0	0.0%	104,240	-84.7%	397,000	966,584	-58.9%
CIN HUB 5MW REAL TIME PK	H3	0	2,980	-100.0%	2,205	-100.0%	24,975	63,436	-60.6%
COAL SWAP	ACM	40	200	-80.0%	25	60.0%	1,220	1,930	-36.8%
COAL SWAP	SSI	0	30	-100.0%	0	0.0%	0	187	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	4,835	-100.0%	999	-100.0%	999	19,803	-95.0%
COLUMBIA GULF MAIN NAT G	L2	0	0	0.0%	0	0.0%	0	2,208	-100.0%
COLUMBIA GULF NAT GAS FIXED PRICE	DCE	0	0	0.0%	0	-	0	0	0.0%
COLUMBIA GULF ONSHORE	GL	0	0	0.0%	1,332	-100.0%	1,332	3,108	-57.1%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	705	0	0.0%	242	191.3%	2,494	1,278	95.1%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,435	510	181.4%	339	323.3%	6,698	954	602.1%

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CONWAY PROPANE 5 DECIMALS SWAP	8K	9,303	12,769	-27.1%	10,865	-14.4%	70,592	53,284	32.5%
CRUDE OIL	CHB	0	0	0.0%	0	0.0%	0	60	-100.0%
CRUDE OIL	LPS	4,100	4,748	-13.6%	5,870	-30.2%	31,501	40,810	-22.8%
CRUDE OIL OUTRIGHTS	37	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	42	228	108	111.1%	86	165.1%	4,069	731	456.6%
CRUDE OIL OUTRIGHTS	CC5	0	0	-	0	0.0%	600	0	-
CRUDE OIL OUTRIGHTS	CSN	0	0	-	0	0.0%	30	0	-
CRUDE OIL OUTRIGHTS	CSW	120	540	-77.8%	420	-71.4%	2,020	540	274.1%
CRUDE OIL OUTRIGHTS	DBL	475	0	0.0%	100	375.0%	1,525	450	238.9%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	230	-100.0%	330	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	60	-100.0%	0	0.0%	110	90	22.2%
CRUDE OIL OUTRIGHTS	HTT	27,805	5,201	434.6%	5,740	384.4%	90,980	14,513	526.9%
CRUDE OIL OUTRIGHTS	LSW	645	0	-	0	0.0%	885	0	-
CRUDE OIL OUTRIGHTS	SSW	90	0	-	360	-75.0%	795	0	-
CRUDE OIL OUTRIGHTS	WCC	0	7,350	-100.0%	615	-100.0%	24,737	40,889	-39.5%
CRUDE OIL OUTRIGHTS	WCW	11,310	0	-	10,695	5.8%	41,020	0	-
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL SPRDS	38	0	100	-100.0%	0	0.0%	0	425	-100.0%
CRUDE OIL SPRDS	WTT	17,745	5,300	234.8%	1,300	1,265.0%	51,884	20,942	147.8%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	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%
DAILY PJM	IDO	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%
DAILY PJM	PAP	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%
DAILY PJM	PNO	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%
DAILY PJM	PWO	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%
DAILY PJM	WOR	0	0	0.0%	0	0.0%	0	2,720	-100.0%
DAILY PJM	ZAO	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%
DAILY PJM	ZJO	0	0	0.0%	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	0.0%	0	0.0%	1,400	0	0.0%
DATED TO FRONTLINE BRENT	FY	1,950	750	160.0%	2,580	-24.4%	11,550	12,010	-3.8%
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	0.0%	0	800	-100.0%

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DEMARC SWING SWAP	DT	0	0	-	0	0.0%	0	0	-
DIESEL 10P BRG FOB RDM VS	7X	0	115	-100.0%	0	0.0%	0	125	-100.0%
DIESEL 10PPM BARGES FOB B	U7	0	0	-	3	-100.0%	3	0	-
DIESEL10PPM BARG VS ICE LS	LSE	0	0	0.0%	0	-	0	0	0.0%
DLY GAS EURO-BOB OXY	GBR	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	17,107	-100.0%
DOMINION TRANSMISSION INC	PG	0	19,630	-100.0%	6,081	-100.0%	48,516	152,263	-68.1%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0.0%	0	275	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	6,025	2,486	142.4%	5,460	10.3%	72,824	11,966	508.6%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	0.0%	1,500	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	420	825	-49.1%	0	0.0%	4,635	9,702	-52.2%
EAST/WEST FUEL OIL SPREAD	EW	0	50	-100.0%	10	-100.0%	1,255	236	431.8%
EIA FLAT TAX ONHWAY DIESE	A5	96	1,136	-91.5%	674	-85.8%	6,214	9,228	-32.7%
ELEC ERCOT DLY OFF PK	R4	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%
ELEC ERCOT DLY PEAK	N1	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%
ELEC ERCOT OFF PEAK	O1	0	0	0.0%	0	-	0	0	0.0%
ELEC FINSETTLED	47	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%
ELEC MISO PEAK	4L	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%
ELEC NYISO OFF-PEAK	4M	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%
ELECTRICITY ERCOT PEAK	ERE	0	0	-	690	-100.0%	690	0	-
ELECTRICITY OFF PEAK	46	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%
ELECTRICITY OFF PEAK	50	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC WEST POWER OFF-PEAK	MDA	0	0	-	0	0.0%	0	0	-
ELEC WEST POWER PEAK	MDC	0	0	-	0	0.0%	1,540	0	-
EL PASO PERMIAN INDEX SWA	IL	0	0	0.0%	0	0.0%	0	1,612	-100.0%
EMMISSIONS	CPL	0	0	0.0%	0	-	0	0	0.0%
ERCOT DAILY 5MW PEAK	ERW	0	0	-	0	0.0%	0	0	-
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	2,200	0	-	0	0.0%	3,880	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	21,200	0	0.0%	0	0.0%	35,920	4,280	739.3%

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ERCOT NORTH ZMCPPE 5MW PEAK	I5	2,200	0	0.0%	0	0.0%	4,710	235	1,904.3%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	2,782	2,145	29.7%	3,372	-17.5%	30,307	17,118	77.0%
EU LOW SULPHUR GASOIL CRACK	LSC	0	0	0.0%	0	-	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0.0%	18	210	-91.4%
EURO 3.5% FUEL OIL RDAM B	KR	225	359	-37.3%	141	59.6%	3,616	2,480	45.8%
EURO 3.5% FUEL OIL SPREAD	FK	233	592	-60.6%	680	-65.7%	4,196	4,558	-7.9%
EURO-DENOMINATED PETRO PROD	IBE	0	0	0.0%	0	-	0	0	0.0%
EURO-DENOMINATED PETRO PROD	NCP	24	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	3	-100.0%
EURO GASOIL 10PPM VS ICE	ET	66	142	-53.5%	0	0.0%	344	592	-41.9%
EUROPE 1% FUEL OIL NWE CA	UF	20	3	566.7%	0	0.0%	683	1,345	-49.2%
EUROPE 1% FUEL OIL RDAM C	UH	3	0	0.0%	10	-70.0%	39	124	-68.5%
EUROPE 3.5% FUEL OIL MED	UI	10	460	-97.8%	5	100.0%	1,174	2,979	-60.6%
EUROPE 3.5% FUEL OIL RDAM	UV	2,762	4,841	-42.9%	3,379	-18.3%	60,280	50,842	18.6%
EUROPEAN GASOIL (ICE)	7F	3,945	7,291	-45.9%	3,401	16.0%	27,566	1,538,501	-98.2%
EUROPEAN NAPHTHA BALMO	KZ	331	145	128.3%	260	27.3%	3,070	1,176	161.1%
EUROPEAN NAPHTHA CRACK SPR	EN	6,783	4,815	40.9%	7,013	-3.3%	57,613	36,640	57.2%
EUROPE DATED BRENT SWAP	UB	124	0	0.0%	1,400	-91.1%	1,940	25,958	-92.5%
EUROPE JET KERO NWE CALSW	UJ	42	0	0.0%	0	0.0%	102	38	168.4%
EUROPE NAPHTHA CALSWAP	UN	3,342	1,856	80.1%	3,380	-1.1%	23,300	11,224	107.6%
EURO PROPANE CIF ARA SWA	PS	1,450	1,148	26.3%	810	79.0%	9,413	9,553	-1.5%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	0.0%	0	0.0%	0	8,310	-100.0%
FLORIDA GAS ZONE3 BASIS S	FP	0	3,352	-100.0%	0	0.0%	0	5,449	-100.0%
FREIGHT MARKETS	FLP	403	41	882.9%	180	123.9%	1,284	1,509	-14.9%
FUEL OIL CRACK VS ICE	FO	1,335	4,793	-72.1%	1,527	-12.6%	32,921	33,555	-1.9%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	0	32	-100.0%
FUEL OIL (PLATS) CAR CM	1W	0	25	-100.0%	0	0.0%	0	1,116	-100.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0.0%	0	54	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	170	86	97.7%	295	-42.4%	2,556	2,815	-9.2%
GAS EURO-BOB OXY NWE BARGES	7H	7,202	5,734	25.6%	5,446	32.2%	57,339	56,009	2.4%
GAS EURO-BOB OXY NWE BARGES CRK	7K	22,615	11,788	91.8%	14,159	59.7%	155,047	111,704	38.8%
GASOIL 0.1 BRGS FOB VS IC	6V	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%
GASOIL 0.1 CIF MED BALMO	X6	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1 CIF MED SWAP	Z4	0	0	0.0%	0	0.0%	0	75	-100.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	10	-100.0%	0	0.0%	50	130	-61.5%



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Energy Futures									
GASOIL 0.1 CIF NWE VS ISE	TU	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%	20	5	300.0%
GASOIL 0.1 CRG CIF NW VS	4V	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%	150	60	150.0%
GASOIL 0.1 ROTTERDAM BARG	VL	5	0	0.0%	0	0.0%	85	0	0.0%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	25	-100.0%	25	10	150.0%
GASOIL 10PPM CARGOES CIF	TY	0	0	0.0%	0	0.0%	0	3	-100.0%
GASOIL 10PPM VS ICE SWAP	TP	60	212	-71.7%	72	-16.7%	592	700	-15.4%
GASOIL BULLET SWAP	BG	0	0	-	0	0.0%	30	0	-
GASOIL CALENDAR SWAP	GX	0	15	-100.0%	0	0.0%	241	305	-21.0%
GASOIL CRACK SPREAD CALEN	GZ	4,545	5,900	-23.0%	5,308	-14.4%	60,428	42,532	42.1%
GASOIL MINI CALENDAR SWAP	QA	188	216	-13.0%	23	717.4%	1,191	2,054	-42.0%
GASOLINE UP-DOWN BALMO SW	1K	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%
GROUP THREE ULSD (PLATTS)	A7	0	300	-100.0%	125	-100.0%	125	300	-58.3%
GRP THREE ULSD(PLT)VS HEA	A6	9,117	4,695	94.2%	5,461	66.9%	30,327	22,038	37.6%
GRP THREE UNL GS (PLT) VS	A8	1,645	2,040	-19.4%	425	287.1%	5,299	11,555	-54.1%
GULF COAST 3% FUEL OIL BA	VZ	286	285	0.4%	915	-68.7%	9,397	5,654	66.2%
GULF COAST GASOLINE CLNDR	GS	0	0	0.0%	0	0.0%	0	1,300	-100.0%
GULF COAST JET FUEL CLNDR	GE	42	40	5.0%	355	-88.2%	943	1,173	-19.6%
GULF COAST JET VS NYM 2 H	ME	57,220	34,659	65.1%	34,721	64.8%	360,038	262,134	37.3%
GULF COAST NO.6 FUEL OIL	MF	42,091	56,681	-25.7%	40,385	4.2%	417,197	460,410	-9.4%
GULF COAST NO.6 FUEL OIL	MG	643	150	328.7%	495	29.9%	10,558	5,584	89.1%
GULF COAST ULSD CALENDAR	LY	80	1,132	-92.9%	532	-85.0%	4,080	7,334	-44.4%
GULF COAST ULSD CRACK SPR	GY	0	150	-100.0%	1,700	-100.0%	3,870	6,156	-37.1%
HEATING OIL BALMO CLNDR S	1G	0	15	-100.0%	100	-100.0%	830	335	147.8%
HEATING OIL CRCK SPRD BAL	1H	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%
HEATING OIL VS ICE GASOIL	HA	0	0	0.0%	0	-	0	0	0.0%
HENRY HUB BASIS SWAP	HB	0	19,207	-100.0%	2,720	-100.0%	51,020	174,624	-70.8%
HENRY HUB FINANCIAL LAST	NBP	549	0	-	59	830.5%	608	0	-
HENRY HUB FINANCIAL LAST	TTE	32	0	-	92	-65.2%	124	0	-
HENRY HUB INDEX SWAP FUTU	IN	0	12,681	-100.0%	2,108	-100.0%	48,830	159,636	-69.4%
HENRY HUB SWAP	NN	260,442	380,709	-31.6%	246,115	5.8%	1,460,419	3,453,563	-57.7%
HENRY HUB SWING FUTURE	SN	0	0	0.0%	0	0.0%	0	290	-100.0%
HOUSTON SHIP CHANNEL BASI	NH	0	1,596	-100.0%	1,713	-100.0%	3,777	26,264	-85.6%

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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Energy Futures									
HOUSTON SHIP CHANNEL INDE	IP	0	0	0.0%	0	0.0%	0	186	-100.0%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	0.0%	719	-100.0%	719	0	0.0%
ICE BRENT DUBAI SWAP	DB	1,433	100	1,333.0%	400	258.3%	70,896	110	64,350.9%
ICE GASOIL BALMO SWAP	U9	0	0	-	9	-100.0%	9	0	-
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0.0%	2,850	26,201	-89.1%
INDIANA MISO	FAD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FDM	0	0	0.0%	0	-	0	0	0.0%
INDIANA MISO	FTD	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%
INDIANA MISO	PDD	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%
INDIANA MISO	PTD	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%
INDONESIAN COAL	MCC	0	35	-100.0%	0	0.0%	5	205	-97.6%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0.0%	10	20	-50.0%
JAPAN C&F NAPHTHA CRACK S	JB	746	657	13.5%	72	936.1%	4,631	3,423	35.3%
JAPAN C&F NAPHTHA SWAP	JA	1,089	1,850	-41.1%	894	21.8%	12,594	10,076	25.0%
JAPAN NAPHTHA BALMO SWAP	E6	0	75	-100.0%	90	-100.0%	1,314	370	255.1%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	45	-100.0%	0	0.0%	12	157	-92.4%
JET BARGES VS ICE GASOIL	JR	0	0	0.0%	0	0.0%	0	22	-100.0%
JET CIF NWE VS ICE	JC	10	62	-83.9%	129	-92.2%	834	760	9.7%
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	0.0%	5	2	150.0%
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	42	-100.0%	62	30	106.7%
JET FUEL UP-DOWN BALMO CL	1M	6,035	7,525	-19.8%	5,056	19.4%	57,207	29,112	96.5%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	450	1,245	-63.9%	150	200.0%	1,670	6,327	-73.6%
LA CARBOB GASOLINE(OPIS)S	JL	325	325	0.0%	0	0.0%	1,875	5,900	-68.2%
LA JET FUEL VS NYM NO 2 H	MQ	0	25	-100.0%	0	0.0%	25	800	-96.9%
LA JET (OPIS) SWAP	JS	3,275	3,640	-10.0%	1,035	216.4%	15,395	16,612	-7.3%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	-	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	8,245	7,975	3.4%	2,438	238.2%	33,248	55,938	-40.6%
MARS (ARGUS) VS WTI SWAP	YX	3,400	1,090	211.9%	5,830	-41.7%	25,251	34,218	-26.2%
MARS (ARGUS) VS WTI TRD M	YV	11,890	20,163	-41.0%	12,545	-5.2%	146,019	86,867	68.1%
MARS BLEND CRUDE OIL	MB	740	560	32.1%	0	0.0%	11,968	15,524	-22.9%
MCCLOSKEY ARA ARGS COAL	MTF	26,637	100,726	-73.6%	36,344	-26.7%	379,940	1,407,027	-73.0%

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Energy Futures									
MCCLOSKEY RCH BAY COAL	MFF	3,457	10,810	-68.0%	3,151	9.7%	43,272	146,752	-70.5%
MGF FUT	MGF	89	0	0.0%	0	0.0%	286	100	186.0%
MGN1 SWAP FUT	MGN	20	75	-73.3%	180	-88.9%	954	1,038	-8.1%
MICHCON NG INDEX SWAP	Y8	0	0	0.0%	0	0.0%	0	1,840	-100.0%
MICHIGAN BASIS	NF	0	1,455	-100.0%	0	0.0%	2,592	16,764	-84.5%
MICHIGAN MISO	HMO	0	0	0.0%	0	0.0%	59,040	127,640	-53.7%
MICHIGAN MISO	HMW	0	0	0.0%	0	0.0%	3,195	7,240	-55.9%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	255	859	-70.3%	624	-59.1%	4,051	3,439	17.8%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	1,135	100	1,035.0%	402	182.3%	4,082	996	309.8%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	2,887	1,845	56.5%	3,372	-14.4%	21,038	9,593	119.3%
MJB FUT	MJB	0	0	0.0%	0	-	0	0	0.0%
MJC FUT	MJC	20	144	-86.1%	35	-42.9%	725	765	-5.2%
MNC FUT	MNC	3,970	3,709	7.0%	3,857	2.9%	35,089	31,972	9.7%
MONT BELVIEU ETHANE 5 DECIMAL	C0	16,456	50,923	-67.7%	12,293	33.9%	190,557	323,821	-41.2%
MONT BELVIEU ETHANE OPIS BALMO	8C	175	165	6.1%	0	0.0%	2,447	815	200.2%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	101,923	139,603	-27.0%	72,188	41.2%	717,329	907,133	-20.9%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,693	871	94.4%	1,495	13.2%	14,498	6,787	113.6%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	2,306	7,115	-67.6%	3,408	-32.3%	32,272	67,759	-52.4%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	117	251	-53.4%	145	-19.3%	1,900	1,661	14.4%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	29,121	28,738	1.3%	23,552	23.6%	224,756	191,349	17.5%
MONT BELVIEU NORMAL BUTANE BALMO	8J	820	566	44.9%	294	178.9%	6,101	5,541	10.1%
NAT GAS BASIS SWAP	SGW	0	0	0.0%	0	-	0	0	0.0%
NAT GAS BASIS SWAP	TZ6	428	6,623	-93.5%	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%	44	0	-
NATURAL GAS	XSC	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	CFS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	0	0	0.0%	360	-100.0%	360	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	Z5P	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS INDEX	TZI	0	0	0.0%	0	0.0%	656	6,702	-90.2%
NATURAL GAS PEN SWP	NP	64,946	116,839	-44.4%	63,075	3.0%	698,003	901,318	-22.6%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0.0%	0	11,925	-100.0%

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Energy Futures									
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0.0%	0	635	-100.0%
NEPOOL INTR HUB 5MW D AH	H2	0	289,912	-100.0%	0	0.0%	221,100	454,549	-51.4%
NEPOOL INTR HUB 5MW D AH	U6	840	16,702	-95.0%	690	21.7%	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%
NEPOOL NE MASS 5MW D AH P	P7	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%
NEPOOL NEW HAMP 5MW D AH	U3	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%
NEPOOL RHODE IL 5MW D AH	U5	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%
NEPOOL SE MASS 5MW D AH P	P4	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	4,000	-100.0%
NEPOOL W CNTR M 5MW D AH	R6	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%
NEW YORK ETHANOL SWAP	EZ	1,150	825	39.4%	900	27.8%	5,760	12,125	-52.5%
NEW YORK HUB ZONE G PEAK	GN	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%
NGPL MID-CONTINENT	NL	1,332	1,208	10.3%	1,200	11.0%	3,676	26,577	-86.2%
NGPL MIDCONTINENT INDEX	IW	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	620	-100.0%
NGPL TEX/OK	PD	1,910	1,980	-3.5%	3,088	-38.1%	7,766	24,604	-68.4%
NGPL TEXOK INDEX	OI	0	300	-100.0%	0	0.0%	0	360	-100.0%
N ILLINOIS HUB DAILY	UD	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%
NO 2 UP-DOWN SPREAD CALEN	UT	99	0	0.0%	0	0.0%	3,659	2,562	42.8%
NORTHERN NATURAL GAS DEMAR	PE	0	578	-100.0%	0	0.0%	0	2,173	-100.0%
NORTHERN NATURAL GAS VENTU	PF	0	224	-100.0%	0	0.0%	84	7,251	-98.8%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	0	7,813	-100.0%	1,738	-100.0%	3,088	135,614	-97.7%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	334	-100.0%	334	0	0.0%
NY1% VS GC SPREAD SWAP	VR	875	2,275	-61.5%	2,754	-68.2%	18,016	18,272	-1.4%
NY 2.2% FUEL OIL (PLATTS	Y3	0	80	-100.0%	0	0.0%	0	489	-100.0%
NY 3.0% FUEL OIL (PLATTS	H1	75	300	-75.0%	25	200.0%	3,185	1,475	115.9%
NY HARBOR 1% FUEL OIL BAL	VK	0	71	-100.0%	0	0.0%	25	101	-75.2%
NY HARBOR HEAT OIL SWP	MP	1,986	1,788	11.1%	4,456	-55.4%	20,776	20,237	2.7%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	225	305	-26.2%	0	0.0%	4,273	4,856	-12.0%

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Energy Futures									
NY HARBOR RESIDUAL FUEL 1	MM	2,558	3,098	-17.4%	1,341	90.8%	20,444	27,576	-25.9%
NY HARBOR RESIDUAL FUEL C	ML	0	0	0.0%	0	-	0	0	0.0%
NYH NO 2 CRACK SPREAD CAL	HK	279	3,035	-90.8%	1,670	-83.3%	11,359	14,720	-22.8%
NY H OIL PLATTS VS NYMEX	YH	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%
NYISO A OFF-PEAK	KB	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO CAPACITY	LHV	12	54	-77.8%	60	-80.0%	279	168	66.1%
NYISO CAPACITY	NNC	96	90	6.7%	44	118.2%	1,610	1,377	16.9%
NYISO CAPACITY	NRS	93	97	-4.1%	180	-48.3%	1,537	1,977	-22.3%
NYISO G	KG	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%
NYISO J	KJ	0	0	0.0%	0	0.0%	0	172	-100.0%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0.0%	0	80	-100.0%
NYISO ZONE A 5MW D AH O P	K4	0	7,925	-100.0%	23,400	-100.0%	32,760	239,365	-86.3%
NYISO ZONE A 5MW D AH PK	K3	0	2,960	-100.0%	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	54,290	-100.0%
NYISO ZONE C 5MW D AH PK	Q5	0	0	0.0%	0	0.0%	110	1,512	-92.7%
NYISO ZONE G 5MW D AH O P	D2	84,240	20,546	310.0%	0	0.0%	732,720	384,706	90.5%
NYISO ZONE G 5MW D AH PK	T3	4,854	5,334	-9.0%	3,240	49.8%	52,809	30,423	73.6%
NYISO ZONE J 5MW D AH O P	D4	0	0	0.0%	0	0.0%	226,600	102,952	120.1%
NYISO ZONE J 5MW D AH PK	D3	870	840	3.6%	2,550	-65.9%	23,165	8,607	169.1%
NY JET FUEL (PLATTS) HEAT OIL SWAP	1U	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%
NYMEX ULSD VS NYMEX HO	UY	0	0	0.0%	0	0.0%	0	0	0.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	500	1,166	-57.1%	29	1,624.1%	8,220	4,110	100.0%
ONEOK OKLAHOMA NG BASIS	8X	196	120	63.3%	0	0.0%	196	1,065	-81.6%
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0.0%	0	160	-100.0%
ONTARIO POWER SWAPS	OFM	0	0	0.0%	0	0.0%	0	3,750	-100.0%
ONTARIO POWER SWAPS	OPD	10	110	-90.9%	60	-83.3%	495	355	39.4%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0.0%	650	440	47.7%
PANHANDLE BASIS SWAP FUTU	PH	0	10,118	-100.0%	3,012	-100.0%	3,060	69,722	-95.6%
PANHANDLE INDEX SWAP FUTU	IV	0	0	0.0%	0	0.0%	0	2,480	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0.0%	864	0	0.0%
PERMIAN BASIS SWAP	PM	0	2,639	-100.0%	795	-100.0%	1,009	28,861	-96.5%
PETROCHEMICALS	22	111	25	344.0%	50	122.0%	611	394	55.1%
PETROCHEMICALS	32	93	38	144.7%	67	38.8%	871	419	107.9%

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Energy Futures									
PETROCHEMICALS	8I	688	190	262.1%	406	69.5%	4,963	1,356	266.0%
PETROCHEMICALS	91	265	145	82.8%	203	30.5%	1,754	1,364	28.6%
PETROCHEMICALS	HPE	0	0	0.0%	0	0.0%	0	48	-100.0%
PETROCHEMICALS	JKM	310	0	-	0	-	310	0	-
PETROCHEMICALS	LPE	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	MAC	0	0	0.0%	0	0.0%	50	110	-54.5%
PETROCHEMICALS	MAE	70	30	133.3%	40	75.0%	140	385	-63.6%
PETROCHEMICALS	MAS	30	20	50.0%	30	0.0%	215	930	-76.9%
PETROCHEMICALS	MBE	1,205	2,840	-57.6%	1,900	-36.6%	9,930	22,275	-55.4%
PETROCHEMICALS	MNB	2,603	3,424	-24.0%	2,279	14.2%	13,572	16,850	-19.5%
PETROCHEMICALS	MPS	10	0	-	0	0.0%	20	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0.0%	142	1,050	-86.5%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0.0%	264	64	312.5%
PETRO CRCKS & SPRDS ASIA	STS	0	80	-100.0%	420	-100.0%	1,310	80	1,537.5%
PETRO CRCKS & SPRDS NA	CRB	905	86	952.3%	260	248.1%	1,960	999	96.2%
PETRO CRCKS & SPRDS NA	EXR	2,877	1,385	107.7%	1,937	48.5%	21,057	11,096	89.8%
PETRO CRCKS & SPRDS NA	FOC	275	1,755	-84.3%	0	0.0%	5,978	7,855	-23.9%
PETRO CRCKS & SPRDS NA	GBB	1,313	365	259.7%	985	33.3%	6,983	1,525	357.9%
PETRO CRCKS & SPRDS NA	GCC	360	100	260.0%	0	0.0%	1,160	1,525	-23.9%
PETRO CRCKS & SPRDS NA	GCI	0	1,571	-100.0%	752	-100.0%	8,987	8,105	10.9%
PETRO CRCKS & SPRDS NA	GCM	17	10	70.0%	0	0.0%	59	66	-10.6%
PETRO CRCKS & SPRDS NA	GCU	3,370	6,618	-49.1%	2,919	15.5%	47,673	58,954	-19.1%
PETRO CRCKS & SPRDS NA	GFC	0	25	-100.0%	0	0.0%	535	129	314.7%
PETRO CRCKS & SPRDS NA	HOB	2,835	2,847	-0.4%	7,770	-63.5%	27,584	32,429	-14.9%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	0.0%	75	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	0.0%	0	0.0%	0	30	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	268	-100.0%	0	0.0%	109	788	-86.2%
PETRO CRCKS & SPRDS NA	NYF	0	300	-100.0%	300	-100.0%	1,125	475	136.8%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	0.0%	0	300	-100.0%
PETRO CRCKS & SPRDS NA	RBB	6,394	10,490	-39.0%	6,860	-6.8%	67,526	76,455	-11.7%
PETRO CRCKS & SPRDS NA	RVG	21,880	14,247	53.6%	15,645	39.9%	131,007	64,617	102.7%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0.0%	15	34	-55.9%
PETRO CRK&SPRD EURO	1NB	1,720	1,882	-8.6%	1,297	32.6%	11,060	13,800	-19.9%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	43	288	289	-0.3%	224	28.6%	2,031	1,265	60.6%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
PETRO CRK&SPRD EURO	BOB	862	1,694	-49.1%	1,113	-22.6%	15,941	15,730	1.3%
PETRO CRK&SPRD EURO	EGN	0	0	-	18	-100.0%	18	0	-
PETRO CRK&SPRD EURO	EOB	31	0	0.0%	11	181.8%	121	91	33.0%
PETRO CRK&SPRD EURO	EPN	645	358	80.2%	348	85.3%	3,398	1,918	77.2%
PETRO CRK&SPRD EURO	EVC	1,588	1,489	6.6%	1,368	16.1%	20,362	11,468	77.6%
PETRO CRK&SPRD EURO	FBT	0	20	-100.0%	0	0.0%	0	480	-100.0%
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	GCB	0	25	-100.0%	0	0.0%	739	785	-5.9%
PETRO CRK&SPRD EURO	GOC	15	0	0.0%	25	-40.0%	105	69	52.2%
PETRO CRK&SPRD EURO	LSU	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0.0%	70	0	0.0%
PETRO CRK&SPRD EURO	MUD	138	321	-57.0%	0	0.0%	857	1,065	-19.5%
PETRO CRK&SPRD EURO	NBB	10	55	-81.8%	5	100.0%	124	178	-30.3%
PETRO CRK&SPRD EURO	NOB	1,640	630	160.3%	804	104.0%	8,770	3,449	154.3%
PETRO CRK&SPRD EURO	SFB	23	0	0.0%	0	0.0%	178	105	69.5%
PETRO CRK&SPRD EURO	SFC	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D44	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D45	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D46	0	0	0.0%	0	0.0%	0	30	-100.0%
PETROLEUM PRODUCTS	D64	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D65	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	EWG	2,546	2,233	14.0%	934	172.6%	20,204	4,307	369.1%
PETROLEUM PRODUCTS	MBS	0	20	-100.0%	0	0.0%	80	551	-85.5%
PETROLEUM PRODUCTS	MGS	0	0	-	0	0.0%	20	0	-
PETROLEUM PRODUCTS	MHE	0	0	0.0%	0	0.0%	0	30	-100.0%
PETROLEUM PRODUCTS	MME	0	0	-	0	0.0%	20	0	-
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0.0%	100	1,363	-92.7%
PETROLEUM PRODUCTS	VU	830	320	159.4%	233	256.2%	2,474	2,279	8.6%
PETROLEUM PRODUCTS ASIA	E6M	40	0	0.0%	30	33.3%	192	427	-55.0%
PETROLEUM PRODUCTS ASIA	MJN	1,400	1,130	23.9%	2,524	-44.5%	16,107	10,245	57.2%
PETROLEUM PRODUCTS ASIA	MSB	20	0	-	0	0.0%	45	0	-
PETRO OUTRIGHT EURO	0A	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	0B	20	50	-60.0%	20	0.0%	103	1,300	-92.1%
PETRO OUTRIGHT EURO	0C	0	55	-100.0%	0	0.0%	0	161	-100.0%
PETRO OUTRIGHT EURO	0D	2,105	3,036	-30.7%	2,357	-10.7%	19,754	32,662	-39.5%

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Energy Futures									
PETRO OUTRIGHT EURO	0E	125	989	-87.4%	395	-68.4%	3,950	6,867	-42.5%
PETRO OUTRIGHT EURO	0F	830	1,369	-39.4%	949	-12.5%	9,690	9,371	3.4%
PETRO OUTRIGHT EURO	1T	42	0	0.0%	0	0.0%	102	20	410.0%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0.0%	80	219	-63.5%
PETRO OUTRIGHT EURO	5L	0	65	-100.0%	0	0.0%	491	1,542	-68.2%
PETRO OUTRIGHT EURO	63	240	155	54.8%	35	585.7%	737	1,032	-28.6%
PETRO OUTRIGHT EURO	6L	5	0	0.0%	0	0.0%	7	0	0.0%
PETRO OUTRIGHT EURO	7I	0	17	-100.0%	245	-100.0%	875	1,290	-32.2%
PETRO OUTRIGHT EURO	7P	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	7R	220	208	5.8%	311	-29.3%	2,071	2,118	-2.2%
PETRO OUTRIGHT EURO	88	30	0	0.0%	5	500.0%	35	55	-36.4%
PETRO OUTRIGHT EURO	CBB	0	0	-	0	0.0%	42	0	-
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0.0%	0	6	-100.0%
PETRO OUTRIGHT EURO	CPB	209	589	-64.5%	44	375.0%	2,248	893	151.7%
PETRO OUTRIGHT EURO	EFF	10	55	-81.8%	0	0.0%	290	416	-30.3%
PETRO OUTRIGHT EURO	EFM	25	25	0.0%	102	-75.5%	453	640	-29.2%
PETRO OUTRIGHT EURO	ENS	20	70	-71.4%	40	-50.0%	150	1,068	-86.0%
PETRO OUTRIGHT EURO	ESB	0	0	-	63	-100.0%	69	0	-
PETRO OUTRIGHT EURO	EWN	693	229	202.6%	604	14.7%	5,785	1,469	293.8%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	0.0%	20	20	0.0%
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	100	-100.0%	480	84	471.4%
PETRO OUTRIGHT EURO	MBN	1,154	2,160	-46.6%	1,730	-33.3%	8,431	11,687	-27.9%
PETRO OUTRIGHT EURO	SMU	0	200	-100.0%	0	0.0%	40	240	-83.3%
PETRO OUTRIGHT EURO	T0	0	0	0.0%	54	-100.0%	164	368	-55.4%
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	0.0%	375	490	-23.5%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0.0%	150	0	0.0%
PETRO OUTRIGHT EURO	W0	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%
PETRO OUTRIGHT EURO	Y0	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	FCB	224	64	250.0%	496	-54.8%	1,574	1,030	52.8%
PETRO OUTRIGHT NA	FOB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0.0%	50	3	1,566.7%
PETRO OUTRIGHT NA	GBA	0	0	0.0%	0	0.0%	0	8	-100.0%
PETRO OUTRIGHT NA	GUD	0	0	0.0%	0	0.0%	0	13	-100.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0.0%	420	439	-4.3%
PETRO OUTRIGHT NA	JET	7,581	7,590	-0.1%	2,440	210.7%	33,620	22,180	51.6%



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Energy Futures									
PETRO OUTRIGHT NA	JTB	225	0	-	650	-65.4%	1,175	0	-
PETRO OUTRIGHT NA	MBL	105	0	0.0%	0	0.0%	266	168	58.3%
PETRO OUTRIGHT NA	MEN	657	568	15.7%	305	115.4%	5,026	5,438	-7.6%
PETRO OUTRIGHT NA	MEO	7,111	10,555	-32.6%	7,353	-3.3%	78,456	80,934	-3.1%
PETRO OUTRIGHT NA	MFD	0	45	-100.0%	13	-100.0%	203	838	-75.8%
PETRO OUTRIGHT NA	MMF	12	85	-85.9%	0	0.0%	438	1,148	-61.8%
PETRO OUTRIGHT NA	NYT	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%
PJM AD HUB 5MW REAL TIME	V3	0	18,736	-100.0%	9,344	-100.0%	273,469	1,033,248	-73.5%
PJM AD HUB 5MW REAL TIME	Z9	2,550	7,980	-68.0%	511	399.0%	21,991	88,829	-75.2%
PJM AECO DA OFF-PEAK	X1	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%
PJM APS ZONE DA OFF-PEAK	W4	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%
PJM ATSI ELEC	MOD	0	0	0.0%	0	0.0%	46,800	0	0.0%
PJM ATSI ELEC	MPD	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	23,400	-100.0%
PJM BGE DA PEAK	E3	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%	85,390	210,680	-59.5%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0.0%	4,675	11,470	-59.2%
PJM DAILY	JD	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%	211,995	21,305	895.0%
PJM DAYTON DA PEAK	D7	0	6,873	-100.0%	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%
PJM DUQUS 5MW D AH O PK	D6	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%
PJM JCPL DA PEAK	J2	0	0	0.0%	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	1,260	15,126	-91.7%	1,905	-33.9%	79,100	57,094	38.5%
PJM NI HUB 5MW REAL TIME	B6	36,030	365,760	-90.1%	32,760	10.0%	1,700,530	1,355,132	25.5%
PJM NILL DA OFF-PEAK	L3	0	297,879	-100.0%	23,400	-100.0%	685,367	824,934	-16.9%
PJM NILL DA PEAK	N3	60	14,833	-99.6%	1,275	-95.3%	39,086	40,050	-2.4%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0.0%	0	140	-100.0%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PEPKO DA OFF-PEAK	Q8	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%
PJM PPL DA PEAK	L5	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
PJM PSEG DA OFF-PEAK	W6	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	5,100	-100.0%
PJM WES HUB PEAK LMP 50 M	4S	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	46,800	0	0.0%	0	0.0%	54,300	825,010	-93.4%
PJM WESTHDA PEAK	J4	2,550	2,550	0.0%	0	0.0%	8,620	45,148	-80.9%
PJM WESTH RT OFF-PEAK	N9	288,670	144,580	99.7%	56,840	407.9%	2,134,895	5,573,176	-61.7%
PJM WESTH RT PEAK	L1	17,480	75,239	-76.8%	15,947	9.6%	195,856	524,567	-62.7%
PLASTICS	PGP	575	612	-6.0%	437	31.6%	4,390	2,743	60.0%
PREMIUM UNLD 10P FOB MED	3G	85	258	-67.1%	32	165.6%	493	2,413	-79.6%
PREMIUM UNLEAD 10PPM FOB	8G	0	10	-100.0%	32	-100.0%	152	288	-47.2%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	0.0%	0	0.0%	7	2	250.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	30	-100.0%	0	0.0%	37	273	-86.4%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	357	695	-48.6%	100	257.0%	4,264	3,197	33.4%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	4,889	9,204	-46.9%	2,363	106.9%	54,702	80,072	-31.7%
RBOB CALENDAR SWAP	RL	10,729	10,776	-0.4%	7,325	46.5%	59,439	52,598	13.0%
RBOB CRACK SPREAD	RM	2,640	1,480	78.4%	485	444.3%	5,204	11,775	-55.8%
RBOB CRACK SPREAD BALMO S	1E	0	25	-100.0%	0	0.0%	0	50	-100.0%
RBOB GASOLINE BALMO CLNDR	1D	618	1,495	-58.7%	785	-21.3%	6,139	6,058	1.3%
RBOB PHY	RBL	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB (PLATTS) CAL SWAP	RY	0	0	-	0	0.0%	0	0	-
RBOB SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB UP-DOWN CALENDAR SWA	RV	0	0	0.0%	0	0.0%	0	9,203	-100.0%
RBOB VS HEATING OIL SWAP	RH	1,270	600	111.7%	2,380	-46.6%	16,120	11,827	36.3%
ROCKIES KERN OPAL - NW IN	IR	0	0	0.0%	0	0.0%	0	1,046	-100.0%
SAN JUAN BASIS SWAP	NJ	0	6,088	-100.0%	2,040	-100.0%	2,254	51,389	-95.6%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE 180CST BALMO	BS	102	55	85.5%	50	104.0%	524	437	19.9%
SINGAPORE 380CST BALMO	BT	292	121	141.3%	146	100.0%	1,682	1,129	49.0%
SINGAPORE 380CST FUEL OIL	SE	6,280	11,145	-43.7%	6,317	-0.6%	82,243	56,648	45.2%
SINGAPORE FUEL 180CST CAL	UA	1,121	886	26.5%	963	16.4%	9,076	9,521	-4.7%
SINGAPORE FUEL OIL SPREAD	SD	492	649	-24.2%	763	-35.5%	6,101	4,498	35.6%
SINGAPORE GASOIL	MTB	230	177	29.9%	270	-14.8%	1,303	1,858	-29.9%
SINGAPORE GASOIL	MTS	6,663	5,466	21.9%	4,294	55.2%	39,700	29,644	33.9%
SINGAPORE GASOIL	STL	0	0	0.0%	0	0.0%	0	100	-100.0%
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0.0%	800	180	344.4%
SINGAPORE GASOIL CALENDAR	MSG	103	190	-45.8%	163	-36.8%	2,214	537	312.3%

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Commodity		VOLUME AUG 2017	VOLUME AUG 2016	% CHG	VOLUME JUL 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
SINGAPORE GASOIL SWAP	SG	7,037	7,388	-4.8%	9,669	-27.2%	78,639	36,740	114.0%
SINGAPORE GASOIL VS ICE	GA	6,895	2,075	232.3%	3,455	99.6%	68,264	15,083	352.6%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	100	-100.0%	536	56	857.1%
SINGAPORE JET KERO GASOIL	RK	2,200	1,225	79.6%	1,565	40.6%	17,295	6,275	175.6%
SINGAPORE JET KEROSENE SW	KS	1,560	900	73.3%	3,295	-52.7%	11,804	4,620	155.5%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	25	25	0.0%	57	-56.1%	1,265	2,843	-55.5%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	6,922	6,821	1.5%	6,378	8.5%	62,722	53,243	17.8%
SINGAPORE NAPHTHA BALMO	KU	0	0	0.0%	0	0.0%	0	20	-100.0%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	-	0	0	0.0%
SING FUEL	MSD	0	5	-100.0%	0	0.0%	40	15	166.7%
SOCAL BASIS SWAP	NS	0	0	0.0%	0	-	0	0	0.0%
SOCAL PIPE SWAP	XN	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	368	-100.0%
SOUTHERN NAT LA NAT GAS	M8	0	90	-100.0%	0	0.0%	0	612	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	0.0%	0	0.0%	0	1,368	-100.0%
Sumas Basis Swap	NK	0	460	-100.0%	550	-100.0%	6,238	14,235	-56.2%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	0.0%	306	-100.0%	306	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	-	0	0	0.0%
TC5 RAS TANURA TO YOKOHAM	TH	0	0	0.0%	0	0.0%	0	15	-100.0%
TCO BASIS SWAP	TC	0	8,295	-100.0%	824	-100.0%	8,226	25,709	-68.0%
TCO NG INDEX SWAP	Q1	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	1,285	-100.0%
TENNESSEE 500 LEG BASIS S	NM	0	360	-100.0%	0	0.0%	428	1,084	-60.5%
TENNESSEE 800 LEG NG BASI	6Z	0	730	-100.0%	0	0.0%	0	1,526	-100.0%
TENNESSEE ZONE 0 BASIS SW	NQ	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%
TETCO M-3 INDEX	IX	0	600	-100.0%	0	0.0%	0	8,063	-100.0%
Tetco STX Basis	TX	0	0	0.0%	0	0.0%	0	1,611	-100.0%
TEXAS EASTERN ZONE M-3 BA	NX	604	10,735	-94.4%	453	33.3%	8,604	66,511	-87.1%
TEXAS GAS ZONE1 NG BASIS	9F	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%
Transco Zone 3 Basis	CZ	0	120	-100.0%	0	0.0%	302	730	-58.6%
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	-	0	0.0%	6,256	0	-
TRANSCO ZONE4 BASIS SWAP	TR	0	856	-100.0%	5,520	-100.0%	12,619	17,065	-26.1%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	0.0%	465	1,457	-68.1%

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Energy Futures									
TRANSCO ZONE 6 BASIS SWAP	NZ	0	674	-100.0%	0	0.0%	2,870	7,063	-59.4%
TRANSCO ZONE 6 INDEX	IT	0	120	-100.0%	0	0.0%	856	6,134	-86.0%
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	0	0.0%	0	-	0	0	0.0%
UCM FUT	UCM	20	30	-33.3%	47	-57.4%	265	261	1.5%
ULSD 10PPM CIF MED BALMO	X7	0	0	0.0%	0	0.0%	0	38	-100.0%
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	0.0%	30	45	-33.3%
ULSD 10PPM CIF MED VS ICE	Z7	0	10	-100.0%	0	0.0%	66	164	-59.8%
ULSD 10PPM CIF NW BALMO S	B1	0	0	-	6	-100.0%	6	0	-
ULSD 10PPM CIF VS ICE GAS	7V	0	0	0.0%	0	0.0%	0	35	-100.0%
ULSD UP-DOWN BALMO SWP	1L	3,950	11,350	-65.2%	2,575	53.4%	28,900	43,760	-34.0%
UP DOWN GC ULSD VS NMX HO	LT	63,616	59,864	6.3%	40,618	56.6%	368,337	434,370	-15.2%
USGC UNL 87 CRACK SPREAD	RU	0	0	0.0%	0	0.0%	0	175	-100.0%
VENTURA NAT GAS PLATTS FIXED PRICE	DVA	0	0	0.0%	0	-	0	0	0.0%
WAHA BASIS	NW	3,012	3,850	-21.8%	1,220	146.9%	6,064	39,520	-84.7%
WAHA INDEX SWAP FUTURE	IY	0	480	-100.0%	0	0.0%	0	8,420	-100.0%
WESTERN RAIL DELIVERY PRB	QP	0	690	-100.0%	0	0.0%	2,220	8,057	-72.4%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0.0%	404	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	31,785	12,231	159.9%	18,140	75.2%	96,137	98,418	-2.3%
WTI CALENDAR	CS	40,687	23,753	71.3%	30,979	31.3%	276,849	236,009	17.3%
WTS (ARGUS) VS WTI SWAP	FF	11,370	6,720	69.2%	3,480	226.7%	36,744	14,102	160.6%
WTS (ARGUS) VS WTI TRD MT	FH	1,620	855	89.5%	1,024	58.2%	5,564	8,581	-35.2%
Energy Options									
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	-	0	0.0%	230	0	-
1 MO GASOIL CAL SWAP SPR	GXA	0	0	0.0%	0	0.0%	0	0	0.0%
APPALACHIAN COAL	6K	0	0	0.0%	0	-	0	0	0.0%
BRENT CALENDAR SWAP	BA	0	600	-100.0%	1,875	-100.0%	5,297	11,228	-52.8%
BRENT OIL LAST DAY	BE	9,316	4,000	132.9%	8,345	11.6%	33,611	34,215	-1.8%
BRENT OIL LAST DAY	BZO	53,791	29,424	82.8%	37,305	44.2%	233,065	125,555	85.6%
BRENT OIL LAST DAY	OS	500	604	-17.2%	0	0.0%	3,644	11,826	-69.2%
COAL API2 INDEX	CLA	150	3,025	-95.0%	955	-84.3%	8,171	47,857	-82.9%
COAL API2 INDEX	CQA	0	850	-100.0%	0	0.0%	610	101,734	-99.4%
COAL API2 INDEX	MTC	0	0	0.0%	0	0.0%	50	150	-66.7%
COAL API4 INDEX	RLA	0	0	0.0%	0	0.0%	0	50	-100.0%
COAL API4 INDEX	RQA	0	0	0.0%	0	0.0%	0	1,330	-100.0%



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Energy Options									
COAL SWAP	CPF	40	200	-80.0%	0	0.0%	180	585	-69.2%
COAL SWAP	RPF	360	0	0.0%	0	0.0%	445	86	417.4%
CRUDE OIL 1MO	WA	193,754	255,873	-24.3%	182,275	6.3%	1,431,602	1,980,530	-27.7%
CRUDE OIL APO	AO	67,115	44,388	51.2%	56,517	18.8%	324,658	217,684	49.1%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	AH	0	1,140	-100.0%	0	0.0%	0	2,290	-100.0%
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	WCI	7,680	0	-	0	-	7,680	0	-
CRUDE OIL PHY	CD	5,350	2,850	87.7%	2,405	122.5%	20,015	28,175	-29.0%
CRUDE OIL PHY	LC	13,195	12,685	4.0%	10,570	24.8%	218,717	283,163	-22.8%
CRUDE OIL PHY	LO	3,326,187	3,995,067	-16.7%	3,422,908	-2.8%	30,974,091	29,865,865	3.7%
CRUDE OIL PHY	LO1	25,359	10,780	135.2%	17,212	47.3%	114,373	45,893	149.2%
CRUDE OIL PHY	LO2	20,956	3,688	468.2%	13,502	55.2%	100,656	33,027	204.8%
CRUDE OIL PHY	LO3	10,246	5,258	94.9%	11,336	-9.6%	70,190	19,509	259.8%
CRUDE OIL PHY	LO4	20,549	4,315	376.2%	22,170	-7.3%	134,871	33,653	300.8%
CRUDE OIL PHY	LO5	74	0	0.0%	0	0.0%	34,862	15,549	124.2%
DAILY CRUDE OIL	DNM	0	0	0.0%	0	-	0	0	0.0%
ELEC FINSETTLED	PML	0	14	-100.0%	0	0.0%	0	227	-100.0%
ELEC MISO PEAK	9T	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%
ETHANOL	CE1	0	0	0.0%	0	0.0%	75	25	200.0%
ETHANOL	CE3	25	0	0.0%	0	0.0%	325	25	1,200.0%
ETHANOL SWAP	CVR	5,261	5,623	-6.4%	4,365	20.5%	41,063	44,318	-7.3%
ETHANOL SWAP	GVR	195	0	0.0%	465	-58.1%	1,580	2,318	-31.8%
EURO-DENOMINATED PETRO PROD	EFB	0	0	0.0%	0	-	0	0	0.0%
EURO-DENOMINATED PETRO PROD	NWE	0	0	0.0%	0	0.0%	0	0	0.0%
EUROPEAN JET KEROSENE NWE (PLATTS) A	30	0	0	0.0%	0	0.0%	0	60	-100.0%
GASOIL CRACK SPREAD AVG PRICE OPTION	3U	0	0	0.0%	0	-	0	0	0.0%
GASOLINE	GCE	0	0	0.0%	0	0.0%	0	872	-100.0%
HEATING OIL CRACK OPTIONS	CH	0	0	-	0	0.0%	100	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	-	0	0.0%	0	0	-
HEATING OIL PHY	LB	135	690	-80.4%	52	159.6%	1,703	3,299	-48.4%
HEATING OIL PHY	OH	32,353	43,711	-26.0%	23,467	37.9%	256,399	439,889	-41.7%
HENRY HUB FINANCIAL LAST	E7	3,023	591	411.5%	3,136	-3.6%	28,383	15,937	78.1%
HO 1 MONTH CLNDR OPTIONS	FA	300	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%

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Energy Options									
LLS CRUDE OIL	WJO	0	600	-100.0%	0	0.0%	5,100	11,730	-56.5%
LLS CRUDE OIL	YVO	750	0	-	0	-	750	0	-
MCCLOSKEY ARA ARGS COAL	MTO	0	0	0.0%	0	0.0%	1,290	8,995	-85.7%
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0.0%	0	2,385	-100.0%
NATURAL GAS	G10	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%
NATURAL GAS 1 M CSO FIN	G4	12,625	7,049	79.1%	9,695	30.2%	296,445	43,579	580.2%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0.0%	3,550	1,000	255.0%
NATURAL GAS 3 M CSO FIN	G3	25,825	17,475	47.8%	7,625	238.7%	106,250	174,199	-39.0%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0.0%	4,050	1,200	237.5%
NATURAL GAS 6 M CSO FIN	G6	2,000	0	0.0%	2,250	-11.1%	38,820	4,100	846.8%
NATURAL GAS OPTION ON CALENDAR STRP	6J	600	2,630	-77.2%	1,440	-58.3%	7,538	16,008	-52.9%
NATURAL GAS PHY	KD	55,617	26,432	110.4%	36,057	54.2%	292,785	259,276	12.9%
NATURAL GAS PHY	LN	1,831,154	2,007,924	-8.8%	1,777,239	3.0%	17,679,972	15,392,611	14.9%
NATURAL GAS PHY	ON	151,598	271,170	-44.1%	177,475	-14.6%	1,572,964	2,235,797	-29.6%
NATURAL GAS PHY	ON1	0	2	-100.0%	0	0.0%	0	2	-100.0%
NATURAL GAS PHY	ON5	0	0	0.0%	0	-	0	0	0.0%
NG HH 3 MONTH CAL	IC	0	0	0.0%	0	0.0%	0	500	-100.0%
N ROCKIES PIPE SWAP	ZR	1,174	720	63.1%	360	226.1%	4,030	4,230	-4.7%
NY HARBOR HEAT OIL SWP	AT	2,543	5,061	-49.8%	4,308	-41.0%	27,691	47,275	-41.4%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	0.0%	0	0.0%	19,830	420	4,621.4%
NYMEX EUROPEAN GASOIL APO	F7	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL OPT	F8	0	0	0.0%	0	0.0%	0	0	0.0%
PANHANDLE PIPE SWAP	PU	0	0	-	0	0.0%	2,880	0	-
PETROCHEMICALS	4H	1,358	949	43.1%	555	144.7%	4,732	10,419	-54.6%
PETROCHEMICALS	4I	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	4J	275	0	0.0%	0	0.0%	2,725	4,455	-38.8%
PETROCHEMICALS	4K	200	900	-77.8%	200	0.0%	400	900	-55.6%
PETROCHEMICALS	CPR	0	0	0.0%	0	0.0%	18	495	-96.4%
PETRO OUTRIGHT EURO	8H	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%
PJM CALENDAR STRIP	6O	0	0	0.0%	0	-	0	0	0.0%
PJM ELECTRIC	6OO	0	0	0.0%	0	-	0	0	0.0%
PJM MONTHLY	JO	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	260	170	52.9%	530	-50.9%	3,810	590	545.8%
PJM WES HUB PEAK CAL MTH	JOA	0	0	0.0%	0	0.0%	0	10,300	-100.0%

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Energy Options									
PJM WES HUB PEAK LMP 50MW	PMA	540	7,301	-92.6%	492	9.8%	12,625	9,211	37.1%
RBOB 1MO CAL SPD OPTIONS	ZA	2,050	0	0.0%	1,458	40.6%	4,058	3,400	19.4%
RBOB CALENDAR SWAP	RA	225	300	-25.0%	0	0.0%	2,360	6,099	-61.3%
RBOB PHY	OB	40,951	28,855	41.9%	24,404	67.8%	219,799	314,704	-30.2%
RBOB PHY	RF	0	0	0.0%	0	0.0%	85	20	325.0%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	120	-100.0%	0	0.0%	0	520	-100.0%
SAN JUAN PIPE SWAP	PJ	0	1,536	-100.0%	180	-100.0%	1,980	7,848	-74.8%
SHORT TERM	U11	950	650	46.2%	840	13.1%	4,240	2,250	88.4%
SHORT TERM	U12	0	550	-100.0%	90	-100.0%	3,679	3,330	10.5%
SHORT TERM	U13	0	0	0.0%	420	-100.0%	2,085	3,411	-38.9%
SHORT TERM	U14	750	0	0.0%	415	80.7%	2,455	4,425	-44.5%
SHORT TERM	U15	490	625	-21.6%	0	0.0%	4,075	2,600	56.7%
SHORT TERM	U22	0	500	-100.0%	0	0.0%	1,577	2,875	-45.1%
SHORT TERM	U23	50	400	-87.5%	0	0.0%	1,072	1,080	-0.7%
SHORT TERM	U24	600	400	50.0%	250	140.0%	2,570	1,780	44.4%
SHORT TERM	U25	90	300	-70.0%	200	-55.0%	390	505	-22.8%
SHORT TERM	U26	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%
SHORT TERM NATURAL GAS	U01	1,025	100	925.0%	250	310.0%	3,315	3,375	-1.8%
SHORT TERM NATURAL GAS	U02	500	175	185.7%	0	0.0%	2,925	3,250	-10.0%
SHORT TERM NATURAL GAS	U03	100	220	-54.5%	0	0.0%	2,220	945	134.9%
SHORT TERM NATURAL GAS	U04	140	1,600	-91.3%	0	0.0%	870	4,100	-78.8%
SHORT TERM NATURAL GAS	U05	0	400	-100.0%	600	-100.0%	3,225	2,725	18.3%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	460	-100.0%	5,625	1,930	191.5%
SHORT TERM NATURAL GAS	U07	150	0	0.0%	670	-77.6%	3,085	3,500	-11.9%
SHORT TERM NATURAL GAS	U08	485	1,175	-58.7%	0	0.0%	3,870	3,222	20.1%
SHORT TERM NATURAL GAS	U09	900	600	50.0%	0	0.0%	3,600	3,992	-9.8%
SHORT TERM NATURAL GAS	U10	665	430	54.7%	1,130	-41.2%	5,552	3,995	39.0%
SHORT TERM NATURAL GAS	U16	1,550	0	0.0%	0	0.0%	3,670	3,310	10.9%
SHORT TERM NATURAL GAS	U17	375	175	114.3%	1,020	-63.2%	3,304	955	246.0%
SHORT TERM NATURAL GAS	U18	550	725	-24.1%	70	685.7%	1,037	2,805	-63.0%
SHORT TERM NATURAL GAS	U19	0	200	-100.0%	380	-100.0%	3,685	1,280	187.9%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	290	-100.0%	2,805	1,030	172.3%
SHORT TERM NATURAL GAS	U21	100	0	0.0%	194	-48.5%	1,899	575	230.3%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0.0%	1,870	900	107.8%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	200	-100.0%	1,605	3,275	-51.0%

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Commodity		VOLUME AUG 2017	VOLUME AUG 2016	% CHG	VOLUME JUL 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Options									
SHORT TERM NATURAL GAS	U29	150	75	100.0%	0	0.0%	410	2,525	-83.8%
SHORT TERM NATURAL GAS	U30	365	250	46.0%	0	0.0%	3,420	850	302.4%
SHORT TERM NATURAL GAS	U31	100	100	0.0%	400	-75.0%	5,750	850	576.5%
SINGAPORE FUEL OIL 180 CS	C5	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE GASOIL CALENDAR	M2	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%
SOCAL PIPE SWAP	ZN	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%
WTI-BRENT BULLET SWAP	BV	31,718	15,210	108.5%	7,352	331.4%	269,192	152,050	77.0%
WTI CRUDE OIL 1 M CSO FI	7A	91,000	77,900	16.8%	28,750	216.5%	473,950	1,255,293	-62.2%
Metals Futures									
COMEX GOLD	GC	6,808,814	4,387,859	55.2%	5,957,038	14.3%	45,142,647	39,096,986	15.5%
NYMEX HOT ROLLED STEEL	HR	7,316	5,006	46.1%	6,639	10.2%	38,498	38,202	0.8%
NYMEX PLATINUM	PL	394,884	278,246	41.9%	321,062	23.0%	3,028,451	2,451,730	23.5%
PALLADIUM	PA	164,153	169,852	-3.4%	82,725	98.4%	1,008,745	943,685	6.9%
URANIUM	UX	232	0	0.0%	286	-18.9%	4,457	6,493	-31.4%
COMEX SILVER	SI	2,604,660	1,939,332	34.3%	1,829,718	42.4%	15,550,531	12,251,140	26.9%
COMEX E-Mini GOLD	QO	6,863	7,956	-13.7%	7,215	-4.9%	65,951	88,632	-25.6%
COMEX E-Mini SILVER	QI	795	1,618	-50.9%	915	-13.1%	7,194	10,178	-29.3%
COMEX COPPER	HG	2,944,987	1,875,956	57.0%	1,740,501	69.2%	16,985,718	13,766,886	23.4%
COMEX MINY COPPER	QC	674	417	61.6%	370	82.2%	6,153	4,533	35.7%
ALUMINUM	A38	0	21	-100.0%	0	0.0%	30	71	-57.7%
ALUMINUM	AEP	4,140	1,440	187.5%	720	475.0%	21,929	8,969	144.5%
ALUMINUM	ALA	1,990	0	-	250	696.0%	2,440	0	-
ALUMINUM	ALI	53	668	-92.1%	332	-84.0%	5,556	5,062	9.8%
ALUMINUM	AUP	7,446	4,963	50.0%	4,732	57.4%	59,118	48,362	22.2%
ALUMINUM	EDP	4,200	1,580	165.8%	480	775.0%	8,730	4,070	114.5%
ALUMINUM	MJP	1,710	860	98.8%	2,654	-35.6%	10,049	5,523	81.9%
COPPER	HGS	433	463	-6.5%	22	1,868.2%	1,418	3,301	-57.0%
E-MICRO GOLD	MGC	107,277	56,462	90.0%	81,456	31.7%	713,349	723,972	-1.5%
FERROUS PRODUCTS	BUS	220	40	450.0%	30	633.3%	750	550	36.4%
FERROUS PRODUCTS	SSF	0	0	0.0%	0	-	0	0	0.0%
GOLD	GPS	0	0	-	1	-100.0%	1	0	-



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Commodity		VOLUME AUG 2017	VOLUME AUG 2016	% CHG	VOLUME JUL 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Metals Futures									
Gold Kilo	GCK	294	4,083	-92.8%	258	14.0%	2,829	40,021	-92.9%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	1,770	0	0.0%	4,070	-56.5%	7,982	2,470	223.2%
IRON ORE 62 CHINA TSI FUTURES	TIO	7,147	13,113	-45.5%	4,483	59.4%	78,056	136,447	-42.8%
LNDN ZINC	ZNC	0	14	-100.0%	0	0.0%	85	200	-57.5%
METALS	LED	0	10	-100.0%	0	0.0%	0	15	-100.0%
SILVER	SIL	10,988	11,552	-4.9%	5,431	102.3%	47,805	70,762	-32.4%
Metals Options									
COMEX COPPER	HX	10,432	3,351	211.3%	5,989	74.2%	39,021	22,665	72.2%
COMEX GOLD	OG	999,947	603,984	65.6%	789,412	26.7%	6,571,389	6,387,885	2.9%
COMEX SILVER	SO	172,149	125,379	37.3%	131,387	31.0%	983,655	925,971	6.2%
COPPER	H4E	0	0	0.0%	0	-	0	0	0.0%
GOLD	OG1	5,224	1,737	200.7%	2,992	74.6%	24,417	8,856	175.7%
GOLD	OG2	7,405	947	681.9%	2,976	148.8%	27,451	9,237	197.2%
GOLD	OG3	3,860	341	1,032.0%	1,690	128.4%	28,950	6,943	317.0%
GOLD	OG4	2,367	379	524.5%	2,568	-7.8%	13,601	4,848	180.5%
GOLD	OG5	0	0	0.0%	0	0.0%	5,791	2,436	137.7%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	4,750	2,308	105.8%	300	1,483.3%	13,202	35,509	-62.8%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	4,500	800	462.5%	2,580	74.4%	21,695	24,186	-10.3%
NYMEX PLATINUM	PO	4,345	6,803	-36.1%	3,239	34.1%	22,297	34,488	-35.3%
PALLADIUM	PAO	13,455	4,910	174.0%	6,731	99.9%	45,378	26,398	71.9%
SILVER	SO1	19	10	90.0%	14	35.7%	542	22	2,363.6%
SILVER	SO2	6	0	0.0%	24	-75.0%	194	1	19,300.0%
SILVER	SO3	10	0	0.0%	0	0.0%	577	200	188.5%
SILVER	SO4	0	10	-100.0%	17	-100.0%	114	20	470.0%
SILVER	SO5	0	0	0.0%	0	0.0%	3	6	-50.0%

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Commodity	VOLUME AUG 2017	VOLUME AUG 2016	% CHG	VOLUME JUL 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
TOTAL FUTURES GROUP								
Commodities and Alternative Investments Futures	3	623	-99.5%	5	-40.0%	176	3,125	-94.4%
Energy Futures	58,099,638	44,487,288	30.6%	46,288,038	25.5%	381,506,072	345,103,027	10.5%
Metals Futures	13,081,046	8,761,511	49.3%	10,051,388	30.1%	82,798,472	69,708,260	18.8%
TOTAL FUTURES	71,180,687	53,249,422	33.7%	56,339,431	26.3%	464,304,720	414,814,412	11.9%
TOTAL OPTIONS GROUP								
Energy Options	6,058,462	6,907,330	-12.3%	5,907,109	2.6%	55,195,672	53,438,190	3.3%
Metals Options	1,228,469	750,959	63.6%	949,919	29.3%	7,798,277	7,489,671	4.1%
TOTAL OPTIONS	7,286,931	7,658,289	-4.8%	6,857,028	6.3%	62,993,949	60,927,861	3.4%
TOTAL COMBINED								
Commodities and Alternative Investments	3	623	-99.5%	5	-40.0%	176	3,125	-94.4%
Energy	64,158,100	51,394,618	24.8%	52,195,147	22.9%	436,701,744	398,541,217	9.6%
Metals	14,309,515	9,512,470	50.4%	11,001,307	30.1%	90,596,749	77,197,931	17.4%
GRAND TOTAL	78,467,618	60,907,711	28.8%	63,196,459	24.2%	527,298,669	475,742,273	10.8%