

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME OCT 2017	VOLUME OCT 2016	% CHG	VOLUME SEP 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Commodities and Alternative Investments Futures									
COCOA TAS	CJ	3	30	-90.0%	2	50.0%	86	2,580	-96.7%
COFFEE	KT	0	3	-100.0%	0	0.0%	40	168	-76.2%
COTTON	TT	0	9	-100.0%	1	-100.0%	16	575	-97.2%
SUGAR 11	YO	0	2	-100.0%	2	-100.0%	42	415	-89.9%
Energy Futures									
CRUDE OIL PHY	CL	25,030,682	23,019,383	8.7%	27,570,812	-9.2%	262,212,356	225,412,832	16.3%
CRUDE OIL	WS	6,854	424	1,516.5%	7,750	-11.6%	59,291	83,389	-28.9%
MINY WTI CRUDE OIL	QM	233,943	227,921	2.6%	245,647	-4.8%	2,599,082	2,848,927	-8.8%
BRENT OIL LAST DAY	BZ	1,440,978	1,548,271	-6.9%	1,615,368	-10.8%	18,974,911	19,080,771	-0.6%
HEATING OIL PHY	HO	3,849,612	3,183,140	20.9%	3,577,892	7.6%	36,542,513	32,552,985	12.3%
HTG OIL	BH	72	24	200.0%	50	44.0%	340	5,426	-93.7%
MINY HTG OIL	QH	3	7	-57.1%	4	-25.0%	28	95	-70.5%
RBOB PHY	RB	3,734,544	3,413,097	9.4%	4,139,108	-9.8%	42,825,091	38,362,454	11.6%
MINY RBOB GAS	QU	4	3	33.3%	4	0.0%	43	45	-4.4%
NATURAL GAS	HP	124,425	144,472	-13.9%	111,648	11.4%	1,401,918	1,285,461	9.1%
LTD NAT GAS	HH	266,133	247,472	7.5%	292,863	-9.1%	2,910,615	2,320,124	25.5%
MINY NATURAL GAS	QG	24,478	33,276	-26.4%	17,406	40.6%	243,223	253,764	-4.2%
PJM MONTHLY	JM	0	0	0.0%	0	0.0%	120	2,898	-95.9%
NATURAL GAS PHY	NG	10,583,256	10,240,061	3.4%	8,498,792	24.5%	87,884,674	78,604,388	11.8%
RBOB GAS	RT	2,192	1,396	57.0%	3,341	-34.4%	24,696	13,183	87.3%
3.5% FUEL OIL CID MED SWA	7D	48	359	-86.6%	30	60.0%	965	2,650	-63.6%
3.5% FUEL OIL CIF BALMO S	8D	0	67	-100.0%	0	0.0%	175	277	-36.8%
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	120	-100.0%	0	0.0%	0	6,224	-100.0%
ALGONQUIN CITYGATES BASIS	B4	0	527	-100.0%	0	0.0%	0	8,105	-100.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	0	0.0%	0	0	0.0%
ANR OKLAHOMA	NE	0	886	-100.0%	0	0.0%	0	4,485	-100.0%
APPALACHIAN COAL (PHY)	QL	0	0	0.0%	0	0.0%	0	130	-100.0%
ARGUS LLS VS. WTI (ARG) T	E5	23,165	9,147	153.3%	22,481	3.0%	104,822	124,772	-16.0%
ARGUS PROPAN FAR EST INDE	7E	3,201	1,783	79.5%	3,275	-2.3%	24,530	15,564	57.6%

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Energy Futures									
ARGUS PROPAN(SAUDI ARAMCO	9N	1,194	851	40.3%	1,272	-6.1%	10,390	8,870	17.1%
AUSTRIALIAN COKE COAL	ALW	0	228	-100.0%	0	0.0%	1,003	4,027	-75.1%
BRENT BALMO SWAP	J9	0	682	-100.0%	100	-100.0%	578	1,967	-70.6%
BRENT CALENDAR SWAP	CY	2,239	1,000	123.9%	2,127	5.3%	28,188	19,002	48.3%
BRENT CFD SWAP	6W	0	0	0.0%	0	-	0	0	0.0%
BRENT FINANCIAL FUTURES	BB	1,022	500	104.4%	0	0.0%	42,033	2,902	1,348.4%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0.0%	0	1,424	-100.0%
BRENT FINANCIAL FUTURES	MDB	0	105	-100.0%	78	-100.0%	278	2,513	-88.9%
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	17,930	-100.0%	0	0.0%	7,940	17,930	-55.7%
CAISO SP15 EZGNHUB5 PEAK	9Z	0	0	-	0	0.0%	0	0	-
CANADIAN LIGHT SWEET OIL	CIL	30	1,125	-97.3%	45	-33.3%	7,344	19,830	-63.0%
CENTERPOINT BASIS SWAP	PW	0	214	-100.0%	0	0.0%	534	13,180	-95.9%
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	131,831	100,099	31.7%	92,146	43.1%	1,137,683	1,006,727	13.0%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	45	132	-65.9%	207	-78.3%	1,483	2,738	-45.8%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0.0%	0	2,090	-100.0%
CIG BASIS	CI	0	3,212	-100.0%	0	0.0%	726	78,159	-99.1%
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	0	0	0.0%	47,400	-100.0%	326,080	298,960	9.1%
CIN HUB 5MW D AH PK	H5	508	222	128.8%	2,963	-82.9%	17,693	20,760	-14.8%
CIN HUB 5MW REAL TIME O P	H4	0	4,000	-100.0%	0	0.0%	397,000	993,984	-60.1%
CIN HUB 5MW REAL TIME PK	H3	210	640	-67.2%	440	-52.3%	25,625	65,561	-60.9%
COAL SWAP	ACM	110	170	-35.3%	275	-60.0%	1,605	2,623	-38.8%
COAL SWAP	SSI	0	0	0.0%	0	0.0%	0	187	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	214	-100.0%	0	0.0%	999	21,920	-95.4%
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%	0	0.0%	1,332	3,108	-57.1%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	263	0	0.0%	73	260.3%	2,830	1,661	70.4%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	605	25	2,320.0%	662	-8.6%	7,965	2,544	213.1%

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CONWAY PROPANE 5 DECIMALS SWAP	8K	7,336	10,594	-30.8%	10,539	-30.4%	88,467	72,358	22.3%
CRUDE OIL	CHB	0	0	0.0%	0	0.0%	0	60	-100.0%
CRUDE OIL	LPS	4,509	4,105	9.8%	3,245	39.0%	39,255	48,620	-19.3%
CRUDE OIL OUTRIGHTS	37	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	42	0	0	0.0%	1,578	-100.0%	5,647	981	475.6%
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	350	540	-35.2%	180	94.4%	2,550	1,620	57.4%
CRUDE OIL OUTRIGHTS	DBL	0	200	-100.0%	100	-100.0%	1,625	850	91.2%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0.0%	330	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	45	0	0.0%	0	0.0%	155	90	72.2%
CRUDE OIL OUTRIGHTS	HTT	44,615	2,630	1,596.4%	31,790	40.3%	167,385	21,123	692.4%
CRUDE OIL OUTRIGHTS	LSW	1,575	0	-	450	250.0%	2,910	0	-
CRUDE OIL OUTRIGHTS	SSW	90	0	-	75	20.0%	960	0	-
CRUDE OIL OUTRIGHTS	WCC	0	5,220	-100.0%	0	0.0%	24,737	49,874	-50.4%
CRUDE OIL OUTRIGHTS	WCW	8,296	0	-	6,395	29.7%	55,711	0	-
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL SPRDS	38	0	250	-100.0%	0	0.0%	0	675	-100.0%
CRUDE OIL SPRDS	WTT	35,045	15,885	120.6%	10,750	226.0%	97,679	37,612	159.7%
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	200	600.0%
DATED TO FRONTLINE BRENT	FY	500	2,550	-80.4%	2,000	-75.0%	14,050	15,060	-6.7%
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	0.0%	0	800	-100.0%



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Energy Futures									
DEMARC SWING SWAP	DT	0	0	0.0%	0	0.0%	0	62	-100.0%
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0.0%	0	125	-100.0%
DIESEL 10PPM BARGES FOB B	U7	0	0	-	0	0.0%	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	2,640	-100.0%	0	0.0%	0	19,995	-100.0%
DOMINION TRANSMISSION INC	PG	93	29,119	-99.7%	0	0.0%	48,609	211,280	-77.0%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0.0%	0	275	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	4,950	2,003	147.1%	0	0.0%	77,774	18,519	320.0%
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	105	1,080	-90.3%	100	5.0%	4,840	12,742	-62.0%
EAST/WEST FUEL OIL SPREAD	EW	0	45	-100.0%	0	0.0%	1,255	321	291.0%
EIA FLAT TAX ONHWAY DIESE	A5	361	554	-34.8%	953	-62.1%	7,528	10,538	-28.6%
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	-	0	0.0%	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	1,840	-100.0%	0	0.0%	0	1,840	-100.0%
ELEC WEST POWER PEAK	MDC	0	5,390	-100.0%	0	0.0%	1,540	5,390	-71.4%
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	0	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	40,000	0	0.0%	0	0.0%	75,920	4,280	1,673.8%

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ERCOT NORTH ZMCPPE 5MW PEAK	I5	0	0	0.0%	0	0.0%	4,710	235	1,904.3%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	4,787	2,565	86.6%	3,392	41.1%	38,486	22,244	73.0%
EU LOW SULPHUR GASOIL CRACK	LSC	0	0	0.0%	0	-	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	KX	0	5	-100.0%	0	0.0%	18	225	-92.0%
EURO 3.5% FUEL OIL RDAM B	KR	242	294	-17.7%	279	-13.3%	4,137	3,300	25.4%
EURO 3.5% FUEL OIL SPREAD	FK	0	826	-100.0%	90	-100.0%	4,286	5,954	-28.0%
EURO-DENOMINATED PETRO PROD	IBE	0	0	0.0%	0	-	0	0	0.0%
EURO-DENOMINATED PETRO PROD	NCP	0	0	0.0%	150	-100.0%	1,514	158	858.2%
EURO GASOIL 10 CAL SWAP	GT	0	0	0.0%	0	0.0%	0	3	-100.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	81	-100.0%	425	679	-37.4%
EUROPE 1% FUEL OIL NWE CA	UF	20	102	-80.4%	6	233.3%	709	1,457	-51.3%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0.0%	39	134	-70.9%
EUROPE 3.5% FUEL OIL MED	UI	168	388	-56.7%	39	330.8%	1,381	3,533	-60.9%
EUROPE 3.5% FUEL OIL RDAM	UV	5,079	10,188	-50.1%	4,029	26.1%	69,388	68,629	1.1%
EUROPEAN GASOIL (ICE)	7F	863	6,938	-87.6%	901	-4.2%	29,330	1,551,867	-98.1%
EUROPEAN NAPHTHA BALMO	KZ	187	258	-27.5%	264	-29.2%	3,521	1,697	107.5%
EUROPEAN NAPHTHA CRACK SPR	EN	4,039	7,677	-47.4%	6,136	-34.2%	67,788	52,279	29.7%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	600	-100.0%	2,540	26,588	-90.4%
EUROPE JET KERO NWE CALSW	UJ	0	0	0.0%	3	-100.0%	105	38	176.3%
EUROPE NAPHTHA CALSWAP	UN	2,273	1,847	23.1%	2,171	4.7%	27,744	14,833	87.0%
EURO PROPANE CIF ARA SWA	PS	1,560	1,653	-5.6%	1,562	-0.1%	12,535	13,004	-3.6%
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	0	0.0%	0	0.0%	0	5,449	-100.0%
FREIGHT MARKETS	FLP	166	188	-11.7%	154	7.8%	1,604	1,985	-19.2%
FUEL OIL CRACK VS ICE	FO	3,161	2,662	18.7%	1,729	82.8%	37,811	43,822	-13.7%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	0	32	-100.0%
FUEL OIL (PLATS) CAR CM	1W	20	5	300.0%	0	0.0%	20	1,121	-98.2%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0.0%	0	54	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	137	109	25.7%	110	24.5%	2,803	3,214	-12.8%
GAS EURO-BOB OXY NWE BARGES	7H	4,211	5,906	-28.7%	4,078	3.3%	65,628	68,676	-4.4%
GAS EURO-BOB OXY NWE BARGES CRK	7K	15,154	11,574	30.9%	21,145	-28.3%	191,346	140,690	36.0%
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	0	0.0%	0	0.0%	50	190	-73.7%

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GASOIL 0.1 CIF NWE VS ISE	TU	0	25	-100.0%	0	0.0%	0	35	-100.0%
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	24	60	-60.0%	0	0.0%	174	120	45.0%
GASOIL 0.1 ROTTERDAM BARG	VL	10	5	100.0%	15	-33.3%	110	30	266.7%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	0.0%	25	15	66.7%
GASOIL 10PPM CARGOES CIF	TY	0	0	0.0%	0	0.0%	0	3	-100.0%
GASOIL 10PPM VS ICE SWAP	TP	0	5	-100.0%	120	-100.0%	712	895	-20.4%
GASOIL BULLET SWAP	BG	0	0	-	100	-100.0%	130	0	-
GASOIL CALENDAR SWAP	GX	0	0	0.0%	3	-100.0%	244	314	-22.3%
GASOIL CRACK SPREAD CALEN	GZ	2,373	3,420	-30.6%	4,967	-52.2%	67,768	49,984	35.6%
GASOIL MINI CALENDAR SWAP	QA	50	240	-79.2%	109	-54.1%	1,350	2,409	-44.0%
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	0	0.0%	0	0.0%	125	300	-58.3%
GRP THREE ULSD(PLT)VS HEA	A6	5,710	4,750	20.2%	6,258	-8.8%	42,295	28,043	50.8%
GRP THREE UNL GS (PLT) VS	A8	2,410	3,470	-30.5%	2,425	-0.6%	10,134	15,890	-36.2%
GULF COAST 3% FUEL OIL BA	VZ	531	633	-16.1%	1,677	-68.3%	11,605	6,887	68.5%
GULF COAST GASOLINE CLNDR	GS	0	0	0.0%	0	0.0%	0	1,300	-100.0%
GULF COAST JET FUEL CLNDR	GE	0	342	-100.0%	0	0.0%	943	1,677	-43.8%
GULF COAST JET VS NYM 2 H	ME	26,746	31,728	-15.7%	40,930	-34.7%	427,714	327,381	30.6%
GULF COAST NO.6 FUEL OIL	MF	38,929	58,934	-33.9%	54,140	-28.1%	510,266	575,015	-11.3%
GULF COAST NO.6 FUEL OIL	MG	1,470	882	66.7%	375	292.0%	12,403	6,866	80.6%
GULF COAST ULSD CALENDAR	LY	491	816	-39.8%	949	-48.3%	5,520	8,928	-38.2%
GULF COAST ULSD CRACK SPR	GY	0	725	-100.0%	0	0.0%	3,870	6,881	-43.8%
HEATING OIL BALMO CLNDR S	1G	0	125	-100.0%	0	0.0%	830	460	80.4%
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	1,712	7,270	-76.5%	0	0.0%	52,732	188,737	-72.1%
HENRY HUB FINANCIAL LAST	NBP	1,482	0	-	405	265.9%	2,495	0	-
HENRY HUB FINANCIAL LAST	TTE	219	0	-	410	-46.6%	753	0	-
HENRY HUB INDEX SWAP FUTU	IN	1,712	6,360	-73.1%	0	0.0%	50,542	170,634	-70.4%
HENRY HUB SWAP	NN	149,205	467,330	-68.1%	256,463	-41.8%	1,866,087	4,236,443	-56.0%
HENRY HUB SWING FUTURE	SN	0	0	0.0%	0	0.0%	0	290	-100.0%
HOUSTON SHIP CHANNEL BASI	NH	0	2,036	-100.0%	0	0.0%	3,777	30,400	-87.6%

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Commodity		VOLUME OCT 2017	VOLUME OCT 2016	% CHG	VOLUME SEP 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
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%	0	0.0%	719	0	0.0%
ICE BRENT DUBAI SWAP	DB	17,829	7,400	140.9%	8,730	104.2%	97,455	15,508	528.4%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	0.0%	9	0	-
IN DELIVERY MONTH EUA	6T	0	5,200	-100.0%	0	0.0%	2,850	31,501	-91.0%
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	0	0.0%	0	0.0%	5	220	-97.7%
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	562	407	38.1%	620	-9.4%	5,813	4,218	37.8%
JAPAN C&F NAPHTHA SWAP	JA	1,104	1,053	4.8%	1,512	-27.0%	15,210	12,333	23.3%
JAPAN NAPHTHA BALMO SWAP	E6	10	5	100.0%	86	-88.4%	1,410	375	276.0%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	24	0	0.0%	0	0.0%	36	172	-79.1%
JET BARGES VS ICE GASOIL	JR	0	0	0.0%	0	0.0%	0	22	-100.0%
JET CIF NWE VS ICE	JC	59	5	1,080.0%	82	-28.0%	975	790	23.4%
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%	0	0.0%	62	30	106.7%
JET FUEL UP-DOWN BALMO CL	1M	7,755	7,916	-2.0%	7,299	6.2%	72,261	42,405	70.4%
LA CARB DIESEL (OPIS)	LX	0	52	-100.0%	0	0.0%	0	52	-100.0%
LA CARB DIESEL (OPIS) SWA	KL	25	625	-96.0%	300	-91.7%	1,995	7,177	-72.2%
LA CARBOB GASOLINE(OPIS)S	JL	25	0	0.0%	575	-95.7%	2,475	5,950	-58.4%
LA JET FUEL VS NYM NO 2 H	MQ	0	10	-100.0%	0	0.0%	25	810	-96.9%
LA JET (OPIS) SWAP	JS	1,350	1,925	-29.9%	1,380	-2.2%	18,125	20,312	-10.8%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	-	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	3,767	3,860	-2.4%	10,706	-64.8%	47,721	64,071	-25.5%
MARS (ARGUS) VS WTI SWAP	YX	3,130	3,904	-19.8%	4,268	-26.7%	32,649	40,822	-20.0%
MARS (ARGUS) VS WTI TRD M	YV	23,225	19,076	21.7%	27,385	-15.2%	196,629	118,047	66.6%
MARS BLEND CRUDE OIL	MB	1,500	50	2,900.0%	500	200.0%	13,968	16,024	-12.8%
MCCLOSKEY ARA ARGS COAL	MTF	32,769	114,162	-71.3%	41,084	-20.2%	453,793	1,639,839	-72.3%



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Energy Futures									
MCCLOSKEY RCH BAY COAL	MFF	3,269	12,564	-74.0%	3,800	-14.0%	50,341	169,932	-70.4%
MGF FUT	MGF	0	0	0.0%	0	0.0%	286	100	186.0%
MGN1 SWAP FUT	MGN	25	67	-62.7%	25	0.0%	1,004	1,427	-29.6%
MICHCON NG INDEX SWAP	Y8	0	360	-100.0%	0	0.0%	0	2,200	-100.0%
MICHIGAN BASIS	NF	0	2,412	-100.0%	0	0.0%	2,592	24,763	-89.5%
MICHIGAN MISO	HMO	0	0	0.0%	47,400	-100.0%	106,440	127,640	-16.6%
MICHIGAN MISO	HMW	0	0	0.0%	2,535	-100.0%	5,730	7,240	-20.9%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	361	387	-6.7%	103	250.5%	4,515	4,236	6.6%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	554	220	151.8%	1,000	-44.6%	5,636	2,436	131.4%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	1,100	2,381	-53.8%	992	10.9%	23,130	14,198	62.9%
MJB FUT	MJB	0	0	0.0%	0	-	0	0	0.0%
MJC FUT	MJC	145	50	190.0%	320	-54.7%	1,190	875	36.0%
MNC FUT	MNC	2,742	3,149	-12.9%	3,304	-17.0%	41,135	38,823	6.0%
MONT BELVIEU ETHANE 5 DECIMAL	C0	20,927	79,895	-73.8%	17,938	16.7%	229,422	488,295	-53.0%
MONT BELVIEU ETHANE OPIS BALMO	8C	93	425	-78.1%	150	-38.0%	2,690	1,470	83.0%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	107,818	132,519	-18.6%	95,265	13.2%	920,412	1,158,431	-20.5%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	936	1,489	-37.1%	1,487	-37.1%	16,921	9,182	84.3%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	9,694	5,139	88.6%	6,110	58.7%	48,076	80,210	-40.1%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	365	25	1,360.0%	599	-39.1%	2,864	1,761	62.6%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	34,600	37,717	-8.3%	25,548	35.4%	284,904	271,765	4.8%
MONT BELVIEU NORMAL BUTANE BALMO	8J	779	323	141.2%	276	182.2%	7,156	6,118	17.0%
NAT GAS BASIS SWAP	SGW	0	0	0.0%	0	-	0	0	0.0%
NAT GAS BASIS SWAP	TZ6	0	3,210	-100.0%	0	0.0%	2,165	35,310	-93.9%
NATURAL GAS	HBI	0	3,540	-100.0%	0	0.0%	0	3,540	-100.0%
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%	0	0.0%	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	53,427	104,281	-48.8%	90,218	-40.8%	841,648	1,082,675	-22.3%
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	28,690	-100.0%	14,040	-100.0%	235,140	483,239	-51.3%
NEPOOL INTR HUB 5MW D AH	U6	0	11,695	-100.0%	765	-100.0%	17,275	44,105	-60.8%
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	14,040	-100.0%	14,040	0	0.0%
NEPOOL NE MASS 5MW D AH P	P7	0	0	0.0%	765	-100.0%	765	640	19.5%
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	900	1,235	-27.1%	1,485	-39.4%	8,145	14,865	-45.2%
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	30	260	-88.5%	368	-91.8%	4,074	29,630	-86.3%
NGPL MIDCONTINENT INDEX	IW	0	180	-100.0%	0	0.0%	0	7,841	-100.0%
NGPL MIDCONTINENT SWING S	PX	0	0	0.0%	0	0.0%	0	620	-100.0%
NGPL TEX/OK	PD	0	860	-100.0%	368	-100.0%	8,134	28,964	-71.9%
NGPL TEXOK INDEX	OI	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%
N ILLINOIS HUB MTHLY	UM	0	0	0.0%	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALEN	UT	0	0	0.0%	0	0.0%	3,659	2,562	42.8%
NORTHERN NATURAL GAS DEMAR	PE	0	1,762	-100.0%	0	0.0%	0	3,935	-100.0%
NORTHERN NATURAL GAS VENTU	PF	0	1,344	-100.0%	0	0.0%	84	8,735	-99.0%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	0	11,706	-100.0%	0	0.0%	3,088	157,413	-98.0%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0.0%	334	0	0.0%
NY1% VS GC SPREAD SWAP	VR	2,126	2,630	-19.2%	1,830	16.2%	21,972	23,658	-7.1%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	0.0%	0	489	-100.0%
NY 3.0% FUEL OIL (PLATTS	H1	0	625	-100.0%	75	-100.0%	3,260	2,125	53.4%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0.0%	25	101	-75.2%
NY HARBOR HEAT OIL SWP	MP	858	897	-4.3%	783	9.6%	22,417	22,694	-1.2%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	75	-100.0%	0	0.0%	4,273	5,031	-15.1%

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Energy Futures									
NY HARBOR RESIDUAL FUEL 1	MM	2,642	4,207	-37.2%	2,196	20.3%	25,282	35,454	-28.7%
NY HARBOR RESIDUAL FUEL C	ML	0	0	0.0%	0	-	0	0	0.0%
NYH NO 2 CRACK SPREAD CAL	HK	1,112	5,005	-77.8%	1,143	-2.7%	13,614	20,102	-32.3%
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	168	0	0.0%	6	2,700.0%	453	168	169.6%
NYISO CAPACITY	NNC	518	96	439.6%	178	191.0%	2,306	1,773	30.1%
NYISO CAPACITY	NRS	954	112	751.8%	276	245.7%	2,767	2,173	27.3%
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	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%	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	0	21,175	-100.0%	47,865	-100.0%	780,585	405,881	92.3%
NYISO ZONE G 5MW D AH PK	T3	0	1,695	-100.0%	2,235	-100.0%	55,044	33,388	64.9%
NYISO ZONE J 5MW D AH O P	D4	0	44,575	-100.0%	0	0.0%	226,600	156,871	44.4%
NYISO ZONE J 5MW D AH PK	D3	0	3,180	-100.0%	1,810	-100.0%	24,975	13,571	84.0%
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	0	55	-100.0%	12	-100.0%	8,232	7,465	10.3%
ONEOK OKLAHOMA NG BASIS	8X	600	0	0.0%	992	-39.5%	1,788	1,065	67.9%
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	0	85	-100.0%	10	-100.0%	505	470	7.4%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0.0%	650	440	47.7%
PANHANDLE BASIS SWAP FUTU	PH	0	8,156	-100.0%	0	0.0%	3,060	86,262	-96.5%
PANHANDLE INDEX SWAP FUTU	IV	0	0	0.0%	0	0.0%	0	3,472	-100.0%
PANHANDLE PIPE SWAP	XH	2,364	0	0.0%	0	0.0%	3,228	0	0.0%
PERMIAN BASIS SWAP	PM	0	6,391	-100.0%	372	-100.0%	1,381	44,798	-96.9%
PETROCHEMICALS	22	48	47	2.1%	122	-60.7%	781	465	68.0%
PETROCHEMICALS	32	142	65	118.5%	37	283.8%	1,050	601	74.7%

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Commodity		VOLUME OCT 2017	VOLUME OCT 2016	% CHG	VOLUME SEP 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
PETROCHEMICALS	8I	699	604	15.7%	436	60.3%	6,098	2,522	141.8%
PETROCHEMICALS	91	307	179	71.5%	192	59.9%	2,253	1,682	33.9%
PETROCHEMICALS	HPE	0	0	0.0%	0	0.0%	0	48	-100.0%
PETROCHEMICALS	JKM	60	0	-	190	-68.4%	560	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	110	60	83.3%	160	-31.2%	410	445	-7.9%
PETROCHEMICALS	MAS	60	30	100.0%	100	-40.0%	375	990	-62.1%
PETROCHEMICALS	MBE	560	2,580	-78.3%	1,570	-64.3%	12,060	29,300	-58.8%
PETROCHEMICALS	MNB	1,477	964	53.2%	2,165	-31.8%	17,214	19,650	-12.4%
PETROCHEMICALS	MPS	0	0	-	20	-100.0%	40	0	-
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	150	-100.0%	150	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	40	-100.0%	182	1,050	-82.7%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0.0%	264	64	312.5%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0.0%	1,310	80	1,537.5%
PETRO CRCKS & SPRDS NA	CRB	100	150	-33.3%	370	-73.0%	2,430	1,189	104.4%
PETRO CRCKS & SPRDS NA	EXR	2,180	1,788	21.9%	1,764	23.6%	25,001	14,623	71.0%
PETRO CRCKS & SPRDS NA	FOC	0	900	-100.0%	1,075	-100.0%	7,053	10,005	-29.5%
PETRO CRCKS & SPRDS NA	GBB	2,780	300	826.7%	1,865	49.1%	11,628	2,390	386.5%
PETRO CRCKS & SPRDS NA	GCC	150	375	-60.0%	0	0.0%	1,310	2,025	-35.3%
PETRO CRCKS & SPRDS NA	GCI	629	2,157	-70.8%	632	-0.5%	10,248	11,568	-11.4%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0.0%	59	66	-10.6%
PETRO CRCKS & SPRDS NA	GCU	4,685	8,442	-44.5%	3,318	41.2%	55,676	72,635	-23.3%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0.0%	535	129	314.7%
PETRO CRCKS & SPRDS NA	HOB	1,500	485	209.3%	645	132.6%	29,729	34,909	-14.8%
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	220	-100.0%	0	0.0%	109	1,008	-89.2%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0.0%	1,125	490	129.6%
PETRO CRCKS & SPRDS NA	NYH	0	150	-100.0%	0	0.0%	0	450	-100.0%
PETRO CRCKS & SPRDS NA	RBB	8,373	13,301	-37.0%	2,228	275.8%	78,127	101,954	-23.4%
PETRO CRCKS & SPRDS NA	RVG	13,225	6,457	104.8%	13,080	1.1%	157,312	82,868	89.8%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0.0%	15	34	-55.9%
PETRO CRK&SPRD EURO	1NB	975	1,050	-7.1%	539	80.9%	12,574	16,394	-23.3%
PETRO CRK&SPRD EURO	1ND	200	0	0.0%	225	-11.1%	425	0	0.0%
PETRO CRK&SPRD EURO	43	401	610	-34.3%	923	-56.6%	3,355	2,149	56.1%

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Energy Futures									
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	BOB	978	3,606	-72.9%	1,280	-23.6%	18,199	21,808	-16.5%
PETRO CRK&SPRD EURO	EGB	0	0	-	5	-100.0%	5	0	-
PETRO CRK&SPRD EURO	EGN	0	0	-	0	0.0%	18	0	-
PETRO CRK&SPRD EURO	EOB	0	6	-100.0%	6	-100.0%	127	97	30.9%
PETRO CRK&SPRD EURO	EPN	486	266	82.7%	776	-37.4%	4,660	2,473	88.4%
PETRO CRK&SPRD EURO	EVC	1,635	3,196	-48.8%	1,360	20.2%	23,357	16,755	39.4%
PETRO CRK&SPRD EURO	FBT	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%
PETRO CRK&SPRD EURO	GCB	0	345	-100.0%	0	0.0%	739	1,130	-34.6%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	15	-100.0%	120	99	21.2%
PETRO CRK&SPRD EURO	LSU	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	MGB	0	40	-100.0%	0	0.0%	70	40	75.0%
PETRO CRK&SPRD EURO	MUD	5	47	-89.4%	26	-80.8%	888	1,199	-25.9%
PETRO CRK&SPRD EURO	NBB	0	10	-100.0%	10	-100.0%	134	198	-32.3%
PETRO CRK&SPRD EURO	NOB	820	541	51.6%	1,235	-33.6%	10,825	4,830	124.1%
PETRO CRK&SPRD EURO	SFB	0	50	-100.0%	0	0.0%	178	165	7.9%
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	2,605	6,062	-57.0%	1,815	43.5%	24,624	11,959	105.9%
PETROLEUM PRODUCTS	MBS	0	8	-100.0%	0	0.0%	80	559	-85.7%
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	340	1,172	-71.0%	200	70.0%	3,014	3,598	-16.2%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	30	-100.0%	222	467	-52.5%
PETROLEUM PRODUCTS ASIA	MJN	1,050	1,854	-43.4%	1,216	-13.7%	18,373	12,945	41.9%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	0.0%	45	0	-
PETRO OUTRIGHT EURO	0A	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	0B	0	70	-100.0%	10	-100.0%	113	1,370	-91.8%

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Energy Futures									
PETRO OUTRIGHT EURO	0C	20	0	0.0%	10	100.0%	30	201	-85.1%
PETRO OUTRIGHT EURO	0D	2,364	5,019	-52.9%	1,354	74.6%	23,472	39,987	-41.3%
PETRO OUTRIGHT EURO	0E	56	1,270	-95.6%	90	-37.8%	4,096	9,463	-56.7%
PETRO OUTRIGHT EURO	0F	594	1,993	-70.2%	616	-3.6%	10,900	12,696	-14.1%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0.0%	102	20	410.0%
PETRO OUTRIGHT EURO	33	0	60	-100.0%	0	0.0%	80	339	-76.4%
PETRO OUTRIGHT EURO	5L	163	240	-32.1%	55	196.4%	709	1,852	-61.7%
PETRO OUTRIGHT EURO	63	0	128	-100.0%	30	-100.0%	767	1,445	-46.9%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0.0%	7	0	0.0%
PETRO OUTRIGHT EURO	7I	92	114	-19.3%	190	-51.6%	1,157	1,513	-23.5%
PETRO OUTRIGHT EURO	7P	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	7R	180	323	-44.3%	109	65.1%	2,360	2,741	-13.9%
PETRO OUTRIGHT EURO	88	25	0	0.0%	0	0.0%	60	55	9.1%
PETRO OUTRIGHT EURO	CBB	0	0	-	0	0.0%	42	0	-
PETRO OUTRIGHT EURO	CGB	25	0	0.0%	25	0.0%	50	6	733.3%
PETRO OUTRIGHT EURO	CPB	379	58	553.4%	221	71.5%	2,848	999	185.1%
PETRO OUTRIGHT EURO	EFF	20	85	-76.5%	0	0.0%	310	501	-38.1%
PETRO OUTRIGHT EURO	EFM	0	25	-100.0%	0	0.0%	453	665	-31.9%
PETRO OUTRIGHT EURO	ENS	0	40	-100.0%	30	-100.0%	180	1,161	-84.5%
PETRO OUTRIGHT EURO	ESB	0	0	-	0	0.0%	69	0	-
PETRO OUTRIGHT EURO	EWN	807	77	948.1%	514	57.0%	7,106	1,721	312.9%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	0.0%	20	20	0.0%
PETRO OUTRIGHT EURO	MBB	50	0	0.0%	20	150.0%	550	84	554.8%
PETRO OUTRIGHT EURO	MBN	840	1,690	-50.3%	1,220	-31.1%	10,491	15,367	-31.7%
PETRO OUTRIGHT EURO	SMU	0	100	-100.0%	0	0.0%	40	340	-88.2%
PETRO OUTRIGHT EURO	T0	0	909	-100.0%	0	0.0%	164	1,328	-87.7%
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	0.0%	375	490	-23.5%
PETRO OUTRIGHT EURO	V0	0	105	-100.0%	0	0.0%	150	105	42.9%
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	150	-100.0%
PETRO OUTRIGHT EURO	Y0	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	FCB	223	1,358	-83.6%	39	471.8%	1,836	2,598	-29.3%
PETRO OUTRIGHT NA	FOB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	FOM	0	5	-100.0%	0	0.0%	50	8	525.0%
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%



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Energy Futures									
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0.0%	420	439	-4.3%
PETRO OUTRIGHT NA	JET	1,015	9,570	-89.4%	6,725	-84.9%	41,360	45,705	-9.5%
PETRO OUTRIGHT NA	JTB	1,413	0	-	850	66.2%	3,438	0	-
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0.0%	266	234	13.7%
PETRO OUTRIGHT NA	MEN	408	448	-8.9%	523	-22.0%	5,957	6,279	-5.1%
PETRO OUTRIGHT NA	MEO	3,423	11,723	-70.8%	6,972	-50.9%	88,851	102,867	-13.6%
PETRO OUTRIGHT NA	MFD	0	158	-100.0%	0	0.0%	203	1,058	-80.8%
PETRO OUTRIGHT NA	MMF	25	338	-92.6%	47	-46.8%	510	1,586	-67.8%
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	50,650	-100.0%	0	0.0%	273,469	1,247,258	-78.1%
PJM AD HUB 5MW REAL TIME	Z9	420	5,335	-92.1%	420	0.0%	22,831	100,314	-77.2%
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	6,005	679.4%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0.0%	2,550	315	709.5%
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	257,480	-66.8%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0.0%	4,675	14,650	-68.1%
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	27,310	676.3%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0.0%	5,250	21,943	-76.1%
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	0	3,390	-100.0%	0	0.0%	79,100	70,029	13.0%
PJM NI HUB 5MW REAL TIME	B6	0	124,760	-100.0%	0	0.0%	1,700,530	1,650,702	3.0%
PJM NILL DA OFF-PEAK	L3	2,427	8,965	-72.9%	0	0.0%	687,794	884,177	-22.2%
PJM NILL DA PEAK	N3	246	191	28.8%	0	0.0%	39,332	43,655	-9.9%
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%

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Energy Futures									
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%
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	0	0	0.0%	0	0.0%	54,300	825,010	-93.4%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0.0%	8,620	45,673	-81.1%
PJM WESTH RT OFF-PEAK	N9	0	257,880	-100.0%	23,400	-100.0%	2,158,295	6,091,940	-64.6%
PJM WESTH RT PEAK	L1	1,040	35,729	-97.1%	7,095	-85.3%	203,991	580,716	-64.9%
PLASTICS	PGP	120	452	-73.5%	1,204	-90.0%	5,714	3,359	70.1%
PREMIUM UNLD 10P FOB MED	3G	140	46	204.3%	38	268.4%	671	2,627	-74.5%
PREMIUM UNLEAD 10PPM FOB	8G	0	61	-100.0%	0	0.0%	152	354	-57.1%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	0.0%	0	0.0%	7	7	0.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	1	-100.0%	0	0.0%	37	274	-86.5%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	63	388	-83.8%	600	-89.5%	4,927	5,735	-14.1%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	8,720	15,764	-44.7%	5,288	64.9%	68,710	108,799	-36.8%
RBOB CALENDAR SWAP	RL	5,166	6,884	-25.0%	7,409	-30.3%	72,014	67,070	7.4%
RBOB CRACK SPREAD	RM	2,733	1,800	51.8%	2,220	23.1%	10,157	14,775	-31.3%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	0	0.0%	0	350	-100.0%
RBOB GASOLINE BALMO CLNDR	1D	2,176	245	788.2%	1,235	76.2%	9,550	6,996	36.5%
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	150	915	-83.6%	600	-75.0%	16,870	15,772	7.0%
ROCKIES KERN OPAL - NW IN	IR	0	0	0.0%	0	0.0%	0	1,046	-100.0%
SAN JUAN BASIS SWAP	NJ	0	8,849	-100.0%	0	0.0%	2,254	69,281	-96.7%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE 180CST BALMO	BS	38	42	-9.5%	10	280.0%	572	531	7.7%
SINGAPORE 380CST BALMO	BT	127	25	408.0%	346	-63.3%	2,155	1,357	58.8%
SINGAPORE 380CST FUEL OIL	SE	8,044	8,769	-8.3%	7,267	10.7%	97,554	74,885	30.3%
SINGAPORE FUEL 180CST CAL	UA	730	1,294	-43.6%	720	1.4%	10,526	11,384	-7.5%
SINGAPORE FUEL OIL SPREAD	SD	270	881	-69.4%	427	-36.8%	6,798	6,024	12.8%
SINGAPORE GASOIL	MTB	112	82	36.6%	75	49.3%	1,490	2,142	-30.4%
SINGAPORE GASOIL	MTS	3,078	3,847	-20.0%	5,383	-42.8%	48,161	37,561	28.2%
SINGAPORE GASOIL	STL	0	0	0.0%	0	0.0%	0	100	-100.0%



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Commodity		VOLUME OCT 2017	VOLUME OCT 2016	% CHG	VOLUME SEP 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0.0%	800	180	344.4%
SINGAPORE GASOIL CALENDAR	MSG	359	6	5,883.3%	87	312.6%	2,660	573	364.2%
SINGAPORE GASOIL SWAP	SG	6,732	15,248	-55.8%	2,535	165.6%	87,906	58,865	49.3%
SINGAPORE GASOIL VS ICE	GA	75	4,505	-98.3%	1,790	-95.8%	70,129	23,153	202.9%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0.0%	536	156	243.6%
SINGAPORE JET KERO GASOIL	RK	125	925	-86.5%	665	-81.2%	18,085	8,375	115.9%
SINGAPORE JET KEROSENE SW	KS	315	868	-63.7%	510	-38.2%	12,629	6,498	94.4%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	50	-100.0%	50	-100.0%	50	50	0.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	266	874	-69.6%	0	0.0%	1,531	3,817	-59.9%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	5,875	20,123	-70.8%	4,115	42.8%	72,712	82,390	-11.7%
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	0	0.0%	30	-100.0%	70	30	133.3%
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	5,864	-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	0	0.0%	0	0.0%	0	612	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	400	-100.0%	0	0.0%	0	2,202	-100.0%
Sumas Basis Swap	NK	0	759	-100.0%	0	0.0%	6,238	15,636	-60.1%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	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%
TC5 RAS TANURA TO YOKOHAM	TH	0	0	0.0%	0	0.0%	0	15	-100.0%
TCO BASIS SWAP	TC	56	2,440	-97.7%	0	0.0%	8,282	33,072	-75.0%
TCO NG INDEX SWAP	Q1	0	240	-100.0%	0	0.0%	0	240	-100.0%
TD3 MEG TO JAPAN 250K MT	TL	30	0	-	0	-	30	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	0	0.0%	0	0.0%	428	1,630	-73.7%
TENNESSEE 800 LEG NG BASI	6Z	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	3,028	-100.0%
Tetco ELA Basis	TE	0	0	0.0%	0	-	0	0	0.0%
TETCO M-3 INDEX	IX	0	240	-100.0%	0	0.0%	0	8,365	-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	0	6,885	-100.0%	0	0.0%	8,604	80,042	-89.3%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0.0%	0	248	-100.0%
TRANSCO ZONE 1 NG BASIS	8E	0	0	0.0%	0	-	0	0	0.0%
Transco Zone 3 Basis	CZ	0	240	-100.0%	0	0.0%	302	1,032	-70.7%

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Energy Futures									
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	-	0	0.0%	6,256	0	-
TRANSCO ZONE4 BASIS SWAP	TR	0	1,474	-100.0%	620	-100.0%	13,239	19,482	-32.0%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	0.0%	465	1,457	-68.1%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	1,618	-100.0%	0	0.0%	2,870	12,105	-76.3%
TRANSCO ZONE 6 INDEX	IT	0	240	-100.0%	0	0.0%	856	6,742	-87.3%
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	0	0.0%	0	-	0	0	0.0%
UCM FUT	UCM	0	7	-100.0%	0	0.0%	265	328	-19.2%
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	0	0.0%	0	0.0%	66	165	-60.0%
ULSD 10PPM CIF NW BALMO S	B1	0	0	-	0	0.0%	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	9,770	4,845	101.7%	8,022	21.8%	46,692	57,450	-18.7%
UP DOWN GC ULSD VS NMX HO	LT	50,929	52,340	-2.7%	55,403	-8.1%	474,669	529,791	-10.4%
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	0	1,730	-100.0%	0	0.0%	6,064	42,824	-85.8%
WAHA INDEX SWAP FUTURE	IY	0	60	-100.0%	0	0.0%	0	8,728	-100.0%
WESTERN RAIL DELIVERY PRB	QP	180	600	-70.0%	0	0.0%	2,400	9,237	-74.0%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	500	-100.0%	904	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	31,694	8,007	295.8%	43,535	-27.2%	171,366	116,044	47.7%
WTI CALENDAR	CS	34,612	37,016	-6.5%	57,376	-39.7%	368,837	301,316	22.4%
WTS (ARGUS) VS WTI SWAP	FF	14,656	15,354	-4.5%	1,770	728.0%	53,170	38,390	38.5%
WTS (ARGUS) VS WTI TRD MT	FH	2,230	1,002	122.6%	516	332.2%	8,310	11,708	-29.0%
Energy Options									
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	-	400	-100.0%	630	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	1,800	-100.0%	50	-100.0%	5,347	13,428	-60.2%
BRENT CRUDE OIL 12 M CSO	9Y	2,000	0	-	0	-	2,000	0	-
BRENT OIL LAST DAY	BE	986	100	886.0%	975	1.1%	35,572	36,890	-3.6%
BRENT OIL LAST DAY	BZO	66,848	41,977	59.2%	97,901	-31.7%	397,814	194,794	104.2%
BRENT OIL LAST DAY	OS	200	4	4,900.0%	0	0.0%	3,844	12,234	-68.6%
COAL API2 INDEX	CLA	431	1,590	-72.9%	1,281	-66.4%	9,883	52,244	-81.1%

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Energy Options									
COAL API2 INDEX	CQA	145	0	0.0%	0	0.0%	755	101,734	-99.3%
COAL API2 INDEX	MTC	0	0	0.0%	0	0.0%	50	150	-66.7%
COAL API4 INDEX	RLA	0	50	-100.0%	0	0.0%	0	100	-100.0%
COAL API4 INDEX	RQA	0	100	-100.0%	0	0.0%	0	1,480	-100.0%
COAL SWAP	CPF	0	0	0.0%	0	0.0%	180	585	-69.2%
COAL SWAP	RPF	60	0	0.0%	100	-40.0%	605	1,086	-44.3%
CRUDE OIL 1MO	WA	91,907	232,064	-60.4%	237,530	-61.3%	1,761,039	2,523,369	-30.2%
CRUDE OIL APO	AO	42,720	51,678	-17.3%	112,477	-62.0%	479,855	303,501	58.1%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	AH	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%
CRUDE OIL OUTRIGHTS	WCI	2,530	0	-	1,560	62.2%	11,770	0	-
CRUDE OIL PHY	CD	3,550	3,400	4.4%	5,555	-36.1%	29,120	35,775	-18.6%
CRUDE OIL PHY	LC	3,800	11,587	-67.2%	10,310	-63.1%	232,827	297,639	-21.8%
CRUDE OIL PHY	LO	2,878,252	3,161,971	-9.0%	2,689,985	7.0%	36,542,328	36,878,385	-0.9%
CRUDE OIL PHY	LO1	19,716	5,660	248.3%	9,269	112.7%	143,358	54,700	162.1%
CRUDE OIL PHY	LO2	14,942	3,774	295.9%	8,235	81.4%	123,833	40,318	207.1%
CRUDE OIL PHY	LO3	11,843	5,429	118.1%	702	1,587.0%	82,735	27,814	197.5%
CRUDE OIL PHY	LO4	12,513	5,411	131.3%	14,886	-15.9%	162,270	44,988	260.7%
CRUDE OIL PHY	LO5	0	0	0.0%	18,627	-100.0%	53,489	25,135	112.8%
DAILY CRUDE OIL	DNM	0	0	0.0%	0	-	0	0	0.0%
ELEC FINSETTLED	PML	0	10	-100.0%	0	0.0%	0	264	-100.0%
ELEC MISO PEAK	9T	0	840	-100.0%	0	0.0%	820	3,420	-76.0%
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	0	0	0.0%	0	0.0%	325	25	1,200.0%
ETHANOL SWAP	CVR	7,744	9,338	-17.1%	8,278	-6.5%	57,085	64,251	-11.2%
ETHANOL SWAP	GVR	0	600	-100.0%	0	0.0%	1,580	3,458	-54.3%
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%	0	300	-100.0%
HEATING OIL PHY	LB	25	505	-95.0%	1,000	-97.5%	2,728	3,828	-28.7%

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Energy Options									
HEATING OIL PHY	OH	39,166	36,860	6.3%	26,972	45.2%	322,537	513,118	-37.1%
HENRY HUB FINANCIAL LAST	E7	5,638	1,961	187.5%	4,655	21.1%	38,676	20,356	90.0%
HO 1 MONTH CLNDR OPTIONS	FA	0	200	-100.0%	100	-100.0%	1,700	5,900	-71.2%
HUSTN SHIP CHNL PIPE SWP	PK	0	0	0.0%	0	0.0%	0	0	0.0%
LLS CRUDE OIL	WJO	0	0	0.0%	0	0.0%	5,100	11,730	-56.5%
LLS CRUDE OIL	YVO	0	0	-	3,000	-100.0%	3,750	0	-
MCCLOSKEY ARA ARGS COAL	MTO	160	240	-33.3%	0	0.0%	1,450	9,505	-84.7%
MCCLOSKEY RCH BAY COAL	MFO	0	100	-100.0%	0	0.0%	0	2,485	-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	54,284	35,465	53.1%	37,500	44.8%	388,229	81,094	378.7%
NATURAL GAS 2 M CSO FIN	G2	1,500	2,175	-31.0%	4,500	-66.7%	9,550	3,375	183.0%
NATURAL GAS 3 M CSO FIN	G3	1,000	200	400.0%	13,175	-92.4%	120,425	227,432	-47.1%
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	3,650	1,500	143.3%	8,200	-55.5%	50,670	5,600	804.8%
NATURAL GAS OPTION ON CALENDAR STRP	6J	1,832	2,800	-34.6%	400	358.0%	9,770	18,808	-48.1%
NATURAL GAS PHY	KD	51,775	31,610	63.8%	58,470	-11.5%	403,030	320,141	25.9%
NATURAL GAS PHY	LN	2,471,737	1,995,328	23.9%	2,011,206	22.9%	22,162,915	19,293,085	14.9%
NATURAL GAS PHY	ON	225,661	312,453	-27.8%	162,887	38.5%	1,961,512	2,755,268	-28.8%
NATURAL GAS PHY	ON1	0	0	0.0%	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	0	630	-100.0%	0	0.0%	4,030	6,540	-38.4%
NY HARBOR HEAT OIL SWP	AT	2,843	5,746	-50.5%	1,972	44.2%	32,506	57,463	-43.4%
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	30	-100.0%	0	0.0%	0	30	-100.0%
NYMEX EUROPEAN GASOIL OPT	F8	0	0	0.0%	0	0.0%	0	0	0.0%
PANHANDLE PIPE SWAP	PU	5,760	0	-	0	0.0%	8,640	0	-
PETROCHEMICALS	4H	834	125	567.2%	2,168	-61.5%	7,734	11,021	-29.8%
PETROCHEMICALS	4I	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	4J	120	365	-67.1%	100	20.0%	2,945	5,885	-50.0%
PETROCHEMICALS	4K	0	180	-100.0%	800	-100.0%	1,200	1,560	-23.1%
PETROCHEMICALS	CPR	0	25	-100.0%	0	0.0%	18	520	-96.5%
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%



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Energy Options									
PJM ELECTRIC	600	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	60A	50	160	-68.8%	100	-50.0%	3,960	750	428.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	0.0%	0	0.0%	0	10,300	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	360	80	350.0%	44	718.2%	13,029	9,291	40.2%
RBOB 1MO CAL SPD OPTIONS	ZA	600	6,650	-91.0%	850	-29.4%	5,508	10,050	-45.2%
RBOB CALENDAR SWAP	RA	455	336	35.4%	0	0.0%	2,815	6,585	-57.3%
RBOB PHY	OB	17,228	12,433	38.6%	32,065	-46.3%	269,092	357,040	-24.6%
RBOB PHY	RF	200	0	0.0%	875	-77.1%	1,160	20	5,700.0%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0.0%	0	520	-100.0%
SAN JUAN PIPE SWAP	PJ	360	540	-33.3%	900	-60.0%	3,240	9,108	-64.4%
SHORT TERM	U11	180	0	0.0%	1,550	-88.4%	5,970	2,250	165.3%
SHORT TERM	U12	125	200	-37.5%	800	-84.4%	4,604	3,730	23.4%
SHORT TERM	U13	262	500	-47.6%	210	24.8%	2,557	4,261	-40.0%
SHORT TERM	U14	0	150	-100.0%	900	-100.0%	3,355	4,775	-29.7%
SHORT TERM	U15	0	0	0.0%	650	-100.0%	4,725	3,125	51.2%
SHORT TERM	U22	0	0	0.0%	1,305	-100.0%	2,882	3,275	-12.0%
SHORT TERM	U23	600	0	0.0%	0	0.0%	1,672	1,680	-0.5%
SHORT TERM	U24	650	300	116.7%	0	0.0%	3,220	2,080	54.8%
SHORT TERM	U25	200	0	0.0%	350	-42.9%	940	505	86.1%
SHORT TERM	U26	0	0	0.0%	0	0.0%	292	1,580	-81.5%
SHORT TERM CRUDE OIL	C02	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM NATURAL GAS	U01	0	1,000	-100.0%	0	0.0%	3,315	4,375	-24.2%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	558	-100.0%	3,483	3,500	-0.5%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0.0%	2,220	1,620	37.0%
SHORT TERM NATURAL GAS	U04	300	275	9.1%	0	0.0%	1,170	4,375	-73.3%
SHORT TERM NATURAL GAS	U05	3,350	0	0.0%	3,565	-6.0%	10,140	2,725	272.1%
SHORT TERM NATURAL GAS	U06	1,010	400	152.5%	1,410	-28.4%	8,045	2,905	176.9%
SHORT TERM NATURAL GAS	U07	0	300	-100.0%	200	-100.0%	3,285	3,800	-13.6%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	600	-100.0%	4,470	3,222	38.7%
SHORT TERM NATURAL GAS	U09	1,181	0	0.0%	0	0.0%	4,781	4,842	-1.3%
SHORT TERM NATURAL GAS	U10	100	100	0.0%	0	0.0%	5,652	4,095	38.0%
SHORT TERM NATURAL GAS	U16	2,775	0	0.0%	0	0.0%	6,445	3,610	78.5%
SHORT TERM NATURAL GAS	U17	885	0	0.0%	0	0.0%	4,189	955	338.6%
SHORT TERM NATURAL GAS	U18	510	50	920.0%	150	240.0%	1,697	2,855	-40.6%
SHORT TERM NATURAL GAS	U19	375	150	150.0%	500	-25.0%	4,560	1,530	198.0%

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.

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME OCT 2017	VOLUME OCT 2016	% CHG	VOLUME SEP 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Options									
SHORT TERM NATURAL GAS	U20	298	50	496.0%	425	-29.9%	3,528	1,430	146.7%
SHORT TERM NATURAL GAS	U21	0	450	-100.0%	825	-100.0%	2,724	1,125	142.1%
SHORT TERM NATURAL GAS	U27	0	150	-100.0%	0	0.0%	1,870	1,050	78.1%
SHORT TERM NATURAL GAS	U28	0	650	-100.0%	1,650	-100.0%	3,255	3,925	-17.1%
SHORT TERM NATURAL GAS	U29	0	0	0.0%	25	-100.0%	435	2,725	-84.0%
SHORT TERM NATURAL GAS	U30	355	0	0.0%	0	0.0%	3,775	950	297.4%
SHORT TERM NATURAL GAS	U31	500	275	81.8%	0	0.0%	6,250	1,125	455.6%
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	480	-100.0%	0	0.0%	0	480	-100.0%
SOCAL PIPE SWAP	ZN	0	0	0.0%	0	0.0%	0	11,200	-100.0%
WTI 12 MONTH CALENDAR OPT	WZ	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT BULLET SWAP	BV	101,138	13,000	678.0%	65,147	55.2%	435,477	173,200	151.4%
WTI CRUDE OIL 1 M CSO FI	7A	31,815	107,600	-70.4%	65,750	-51.6%	571,515	1,430,323	-60.0%
Metals Futures									
COMEX GOLD	GC	6,665,496	3,815,035	74.7%	7,184,103	-7.2%	58,992,246	46,934,581	25.7%
NYMEX HOT ROLLED STEEL	HR	7,107	5,836	21.8%	7,495	-5.2%	53,100	48,544	9.4%
NYMEX PLATINUM	PL	344,217	302,621	13.7%	528,953	-34.9%	3,901,621	3,210,443	21.5%
PALLADIUM	PA	87,270	113,977	-23.4%	80,618	8.3%	1,176,633	1,146,102	2.7%
URANIUM	UX	0	600	-100.0%	17	-100.0%	4,474	7,293	-38.7%
COMEX SILVER	SI	1,826,444	1,327,617	37.6%	1,730,400	5.6%	19,107,375	14,868,847	28.5%
COMEX E-Mini GOLD	QO	5,343	6,890	-22.5%	9,049	-41.0%	80,343	105,332	-23.7%
COMEX E-Mini SILVER	QI	471	1,033	-54.4%	419	12.4%	8,084	12,279	-34.2%
COMEX COPPER	HG	2,410,657	1,498,598	60.9%	2,309,536	4.4%	21,705,911	16,559,495	31.1%
COMEX MINY COPPER	QC	459	239	92.1%	401	14.5%	7,013	5,043	39.1%
ALUMINUM	A38	0	16	-100.0%	0	0.0%	30	87	-65.5%
ALUMINUM	AEP	2,004	1,440	39.2%	804	149.3%	24,737	10,579	133.8%
ALUMINUM	ALA	0	60	-100.0%	2,910	-100.0%	5,350	60	8,816.7%
ALUMINUM	ALI	40	1,030	-96.1%	159	-74.8%	5,755	6,639	-13.3%
ALUMINUM	AUP	7,853	3,079	155.1%	4,614	70.2%	71,585	56,563	26.6%
ALUMINUM	EDP	180	2,070	-91.3%	240	-25.0%	9,150	6,989	30.9%
ALUMINUM	MJP	2,220	1,080	105.6%	1,599	38.8%	13,868	6,603	110.0%
COPPER	HGS	88	40	120.0%	100	-12.0%	1,606	3,416	-53.0%

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Commodity		VOLUME OCT 2017	VOLUME OCT 2016	% CHG	VOLUME SEP 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Metals Futures									
E-MICRO GOLD	MGC	106,238	52,304	103.1%	126,540	-16.0%	946,127	821,509	15.2%
FERROUS PRODUCTS	BUS	420	30	1,300.0%	50	740.0%	1,220	812	50.2%
FERROUS PRODUCTS	SSF	0	0	0.0%	0	-	0	0	0.0%
GOLD	GPS	0	0	-	0	0.0%	1	0	-
Gold Kilo	GCK	153	3,711	-95.9%	294	-48.0%	3,276	47,646	-93.1%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	540	-100.0%	580	-100.0%	8,562	3,010	184.5%
IRON ORE 62 CHINA TSI FUTURES	TIO	1,062	9,777	-89.1%	4,556	-76.7%	83,674	158,928	-47.4%
LNDN ZINC	ZNC	20	27	-25.9%	10	100.0%	115	227	-49.3%
METALS	LED	0	0	0.0%	0	0.0%	0	25	-100.0%
SILVER	SIL	4,985	5,630	-11.5%	5,614	-11.2%	58,404	83,606	-30.1%
Metals Options									
COMEX COPPER	HX	17,878	5,079	252.0%	17,787	0.5%	74,686	31,731	135.4%
COMEX GOLD	OG	804,590	826,432	-2.6%	1,030,993	-22.0%	8,406,972	7,857,308	7.0%
COMEX SILVER	SO	108,549	105,337	3.0%	130,003	-16.5%	1,222,207	1,166,452	4.8%
COPPER	H4E	0	0	0.0%	0	-	0	0	0.0%
GOLD	OG1	7,188	2,813	155.5%	2,819	155.0%	34,424	12,411	177.4%
GOLD	OG2	4,337	1,193	263.5%	1,552	179.4%	33,340	11,420	191.9%
GOLD	OG3	4,079	752	442.4%	3,797	7.4%	36,826	8,898	313.9%
GOLD	OG4	3,201	1,274	151.3%	2,937	9.0%	19,739	6,404	208.2%
GOLD	OG5	0	0	0.0%	3,840	-100.0%	9,631	2,954	226.0%
HOT ROLLED COIL STEEL CALL OPTION	HRO	330	0	-	0	-	330	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	988	760	30.0%	2,620	-62.3%	16,810	36,749	-54.3%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	1,700	120	1,316.7%	1,960	-13.3%	25,355	29,366	-13.7%
NYMEX PLATINUM	PO	2,035	3,700	-45.0%	2,533	-19.7%	26,865	43,963	-38.9%
PALLADIUM	PAO	8,908	4,105	117.0%	3,938	126.2%	58,224	33,259	75.1%
SILVER	SO1	124	216	-42.6%	0	0.0%	666	360	85.0%
SILVER	SO2	19	235	-91.9%	0	0.0%	213	281	-24.2%
SILVER	SO3	4	180	-97.8%	8	-50.0%	589	464	26.9%
SILVER	SO4	59	142	-58.5%	14	321.4%	187	214	-12.6%
SILVER	SO5	0	0	0.0%	1	-100.0%	4	250	-98.4%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME OCT 2017	VOLUME OCT 2016	% CHG	VOLUME SEP 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
TOTAL FUTURES GROUP								
Commodities and Alternative Investments Futures	3	44	-93.2%	5	-40.0%	184	3,738	-95.1%
Energy Futures	46,479,305	44,452,029	4.6%	47,532,621	-2.2%	475,517,998	434,129,948	9.5%
Metals Futures	11,472,727	7,153,280	60.4%	11,999,061	-4.4%	106,270,260	84,104,658	26.4%
TOTAL FUTURES	57,952,035	51,605,353	12.3%	59,531,687	-2.7%	581,788,442	518,238,344	12.3%
TOTAL OPTIONS GROUP								
Energy Options	6,192,034	6,112,160	1.3%	5,736,630	7.9%	67,124,336	66,181,547	1.4%
Metals Options	963,989	952,338	1.2%	1,204,802	-20.0%	9,967,068	9,242,484	7.8%
TOTAL OPTIONS	7,156,023	7,064,498	1.3%	6,941,432	3.1%	77,091,404	75,424,031	2.2%
TOTAL COMBINED								
Commodities and Alternative Investments	3	44	-93.2%	5	-40.0%	184	3,738	-95.1%
Energy	52,671,339	50,564,189	4.2%	53,269,251	-1.1%	542,642,334	500,311,495	8.5%
Metals	12,436,716	8,105,618	53.4%	13,203,863	-5.8%	116,237,328	93,347,142	24.5%
GRAND TOTAL	65,108,058	58,669,851	11.0%	66,473,119	-2.1%	658,879,846	593,662,375	11.0%