



## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME APR 2017	VOLUME APR 2016	% CHG	VOLUME MAR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Commodities and Alternative Investments Futures</b>									
COCOA TAS	CJ	3	182	-98.4%	32	-90.6%	53	870	-93.9%
COFFEE	KT	20	6	233.3%	0	0.0%	20	72	-72.2%
COTTON	TT	1	14	-92.9%	2	-50.0%	4	294	-98.6%
SUGAR 11	YO	0	60	-100.0%	1	-100.0%	18	242	-92.6%
<b>Energy Futures</b>									
CRUDE OIL PHY	CL	21,225,392	23,614,058	-10.1%	26,417,191	-19.7%	90,599,954	93,885,092	-3.5%
CRUDE OIL	WS	0	4,930	-100.0%	11,655	-100.0%	27,923	71,371	-60.9%
MINY WTI CRUDE OIL	QM	190,045	293,961	-35.4%	305,868	-37.9%	915,347	1,258,595	-27.3%
BRENT OIL LAST DAY	BZ	1,839,759	2,243,628	-18.0%	2,154,916	-14.6%	7,794,559	9,088,144	-14.2%
HEATING OIL PHY	HO	3,091,738	3,286,054	-5.9%	3,497,419	-11.6%	13,244,389	12,690,687	4.4%
HTG OIL	BH	48	4,345	-98.9%	0	0.0%	48	5,166	-99.1%
MINY HTG OIL	QH	1	8	-87.5%	2	-50.0%	11	33	-66.7%
RBOB PHY	RB	3,721,629	3,546,645	4.9%	4,380,339	-15.0%	16,284,120	14,474,292	12.5%
MINY RBOB GAS	QU	3	4	-25.0%	4	-25.0%	20	17	17.6%
NATURAL GAS	HP	127,770	95,006	34.5%	169,685	-24.7%	600,880	430,189	39.7%
LTD NAT GAS	HH	229,914	226,953	1.3%	285,562	-19.5%	1,156,963	1,017,553	13.7%
MINY NATURAL GAS	QG	20,689	23,014	-10.1%	27,625	-25.1%	125,238	101,133	23.8%
PJM MONTHLY	JM	0	64	-100.0%	120	-100.0%	120	718	-83.3%
NATURAL GAS PHY	NG	7,911,186	8,350,104	-5.3%	9,138,231	-13.4%	34,543,134	29,476,391	17.2%
RBOB GAS	RT	1,598	1,346	18.7%	1,520	5.1%	6,658	5,391	23.5%
3.5% FUEL OIL CID MED SWA	7D	0	393	-100.0%	113	-100.0%	847	1,290	-34.3%
3.5% FUEL OIL CIF BALMO S	8D	50	20	150.0%	5	900.0%	170	135	25.9%
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	0	0.0%
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	1,712	-100.0%	0	0.0%	0	1,712	-100.0%
ALGONQUIN CITYGATES BASIS	B4	0	610	-100.0%	0	0.0%	0	2,991	-100.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	0	0.0%	0	0	0.0%
ANR OKLAHOMA	NE	0	0	0.0%	0	0.0%	0	2,928	-100.0%
APPALACHIAN COAL (PHY)	QL	0	35	-100.0%	0	0.0%	0	105	-100.0%
ARGUS LLS VS. WTI (ARG) T	E5	7,270	8,499	-14.5%	3,145	131.2%	29,445	50,293	-41.5%
ARGUS PROPAN FAR EST INDE	7E	1,108	2,451	-54.8%	1,487	-25.5%	5,470	5,570	-1.8%

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<b>Energy Futures</b>									
ARGUS PROPAN(SAUDI ARAMCO	9N	855	884	-3.3%	981	-12.8%	4,217	3,679	14.6%
AUSTRIALIAN COKE COAL	ALW	97	451	-78.5%	136	-28.7%	916	1,411	-35.1%
BRENT BALMO SWAP	J9	113	0	0.0%	0	0.0%	138	730	-81.1%
BRENT CALENDAR SWAP	CY	1,018	2,670	-61.9%	2,704	-62.4%	11,567	10,281	12.5%
BRENT CFD SWAP	6W	0	0	0.0%	0	-	0	0	0.0%
BRENT FINANCIAL FUTURES	BB	74	559	-86.8%	2,220	-96.7%	11,356	1,755	547.1%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0.0%	0	1,394	-100.0%
BRENT FINANCIAL FUTURES	MDB	0	86	-100.0%	0	0.0%	0	146	-100.0%
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	294	375	-21.6%	360	-18.3%	2,559	3,585	-28.6%
CENTERPOINT BASIS SWAP	PW	0	6,636	-100.0%	0	0.0%	534	7,270	-92.7%
CENTERPOINT EAST INDEX	II	0	0	0.0%	0	0.0%	0	0	0.0%
CENTER POINT NAT GAS FIXED PRICE	DAC	0	0	0.0%	0	-	0	0	0.0%
CHICAGO ETHANOL SWAP	CU	107,926	94,168	14.6%	163,565	-34.0%	497,763	363,464	36.9%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	101	242	-58.3%	105	-3.8%	782	1,292	-39.5%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0.0%	0	1,425	-100.0%
CIG BASIS	CI	0	3,749	-100.0%	186	-100.0%	186	25,942	-99.3%
CIG ROCKIES NG INDEX SWA	Z8	0	0	0.0%	720	-100.0%	720	930	-22.6%
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	45,440	24,000	89.3%	70,200	-35.3%	182,680	162,920	12.1%
CIN HUB 5MW D AH PK	H5	4,440	0	0.0%	0	0.0%	10,105	11,000	-8.1%
CIN HUB 5MW REAL TIME O P	H4	91,160	32,000	184.9%	70,200	29.9%	226,200	590,704	-61.7%
CIN HUB 5MW REAL TIME PK	H3	5,500	1,710	221.6%	3,345	64.4%	20,000	47,236	-57.7%
COAL SWAP	ACM	245	165	48.5%	410	-40.2%	910	1,655	-45.0%
COAL SWAP	SSI	0	45	-100.0%	0	0.0%	0	122	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	1,902	-100.0%	0	0.0%	0	13,508	-100.0%
COLUMBIA GULF MAIN NAT G	L2	0	2,208	-100.0%	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%	0	3,108	-100.0%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	203	114	78.1%	612	-66.8%	1,054	955	10.4%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	840	204	311.8%	1,632	-48.5%	3,269	279	1,071.7%

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CONWAY PROPANE 5 DECIMALS SWAP	8K	6,317	8,249	-23.4%	8,221	-23.2%	32,694	25,890	26.3%
CRUDE OIL	CHB	0	0	-	0	0.0%	0	0	-
CRUDE OIL	LPS	3,350	5,404	-38.0%	2,675	25.2%	14,270	22,759	-37.3%
CRUDE OIL OUTRIGHTS	37	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	42	3,007	44	6,734.1%	60	4,911.7%	3,532	227	1,455.9%
CRUDE OIL OUTRIGHTS	CC5	0	0	-	150	-100.0%	150	0	-
CRUDE OIL OUTRIGHTS	CSN	0	0	-	30	-100.0%	30	0	-
CRUDE OIL OUTRIGHTS	CSW	375	0	-	235	59.6%	880	0	-
CRUDE OIL OUTRIGHTS	DBL	100	0	0.0%	0	0.0%	600	50	1,100.0%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0.0%	100	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	-	45	-100.0%	110	0	-
CRUDE OIL OUTRIGHTS	HTT	11,775	1,232	855.8%	9,265	27.1%	36,646	2,432	1,406.8%
CRUDE OIL OUTRIGHTS	LSW	30	0	-	0	-	30	0	-
CRUDE OIL OUTRIGHTS	SSW	105	0	-	15	600.0%	120	0	-
CRUDE OIL OUTRIGHTS	WCC	2,625	5,758	-54.4%	3,900	-32.7%	23,547	24,788	-5.0%
CRUDE OIL OUTRIGHTS	WCW	3,725	0	-	120	3,004.2%	3,845	0	-
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL SPRDS	38	0	0	0.0%	0	0.0%	0	325	-100.0%
CRUDE OIL SPRDS	WTT	8,784	1,518	478.7%	4,905	79.1%	25,054	4,547	451.0%
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	0	0.0%
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%	0	0	0.0%
DATED TO FRONTLINE BRENT	FY	335	3,820	-91.2%	0	0.0%	4,145	6,860	-39.6%
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	0.0%	0	0	0.0%

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<b>Energy Futures</b>									
DEMARC SWING SWAP	DT	0	0	-	0	0.0%	0	0	-
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0.0%	0	0	0.0%
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	-
DOMINION TRAN INC - APP I	IH	0	2,635	-100.0%	0	0.0%	0	11,045	-100.0%
DOMINION TRANSMISSION INC	PG	3,171	25,639	-87.6%	8,127	-61.0%	38,996	79,242	-50.8%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL CALENDAR	DC	4,000	1,225	226.5%	5,490	-27.1%	29,204	4,096	613.0%
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	200	910	-78.0%	749	-73.3%	3,214	3,997	-19.6%
EAST/WEST FUEL OIL SPREAD	EW	244	0	0.0%	0	0.0%	1,140	36	3,066.7%
EIA FLAT TAX ONHWAY DIESE	A5	501	861	-41.8%	737	-32.0%	3,183	5,762	-44.8%
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%	0	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%	0	0	0.0%
ELEC NYISO OFF-PEAK	58	0	0	0.0%	0	0.0%	0	0	0.0%
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	372	-100.0%
EMMISSIONS	CPL	0	0	0.0%	0	-	0	0	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	0	0	0.0%	0	0.0%	0	4,280	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	0.0%	400	-100.0%	830	235	253.2%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	3,555	3,033	17.2%	2,917	21.9%	14,860	8,599	72.8%
EU LOW SULPHUR GASOIL CRACK	LSC	0	0	0.0%	0	-	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	KX	5	0	0.0%	0	0.0%	10	210	-95.2%

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EURO 3.5% FUEL OIL RDAM B	KR	355	567	-37.4%	557	-36.3%	2,281	1,438	58.6%
EURO 3.5% FUEL OIL SPREAD	FK	220	486	-54.7%	571	-61.5%	1,864	2,483	-24.9%
EURO-DENOMINATED PETRO PROD	IBE	0	0	0.0%	0	-	0	0	0.0%
EURO-DENOMINATED PETRO PROD	NCP	440	0	0.0%	0	0.0%	1,340	70	1,814.3%
EURO GASOIL 10 CAL SWAP	GT	0	0	0.0%	0	0.0%	0	3	-100.0%
EURO GASOIL 10PPM VS ICE	ET	0	120	-100.0%	15	-100.0%	198	295	-32.9%
EUROPE 1% FUEL OIL NWE CA	UF	145	148	-2.0%	90	61.1%	545	684	-20.3%
EUROPE 1% FUEL OIL RDAM C	UH	6	13	-53.8%	10	-40.0%	16	114	-86.0%
EUROPE 3.5% FUEL OIL MED	UI	60	585	-89.7%	192	-68.8%	1,094	1,782	-38.6%
EUROPE 3.5% FUEL OIL RDAM	UV	6,271	5,539	13.2%	11,052	-43.3%	38,781	26,399	46.9%
EUROPEAN GASOIL (ICE)	7F	2,095	157,909	-98.7%	3,779	-44.6%	11,099	1,268,060	-99.1%
EUROPEAN NAPHTHA BALMO	KZ	389	152	155.9%	420	-7.4%	1,534	638	140.4%
EUROPEAN NAPHTHA CRACK SPR	EN	5,224	3,369	55.1%	8,142	-35.8%	28,955	14,190	104.1%
EUROPE DATED BRENT SWAP	UB	0	50	-100.0%	374	-100.0%	416	11,828	-96.5%
EUROPE JET KERO NWE CALSW	UJ	12	0	0.0%	36	-66.7%	48	38	26.3%
EUROPE NAPHTHA CALSWAP	UN	2,615	1,312	99.3%	2,965	-11.8%	10,924	4,623	136.3%
EURO PROPANE CIF ARA SWA	PS	906	1,562	-42.0%	1,286	-29.5%	4,835	4,162	16.2%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	-	0	0.0%	0	0	-
FLORIDA GAS ZONE3 BASIS S	FP	0	184	-100.0%	0	0.0%	0	736	-100.0%
FREIGHT MARKETS	FLP	60	192	-68.8%	106	-43.4%	345	847	-59.3%
FUEL OIL CRACK VS ICE	FO	2,781	4,810	-42.2%	5,741	-51.6%	15,149	16,862	-10.2%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0.0%	0	161	-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	167	464	-64.0%	276	-39.5%	1,135	2,202	-48.5%
GAS EURO-BOB OXY NWE BARGES	7H	7,766	7,695	0.9%	8,205	-5.4%	31,384	31,215	0.5%
GAS EURO-BOB OXY NWE BARGES CRK	7K	16,439	13,070	25.8%	24,787	-33.7%	82,580	62,975	31.1%
GASOIL 0.1 BRGS FOB VS IC	6V	0	5	-100.0%	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	60	-100.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0.0%	50	80	-37.5%
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	5	-100.0%	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	120	10	1,100.0%	0	0.0%	120	49	144.9%

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<b>Energy Futures</b>									
GASOIL 0.1 ROTTERDAM BARG	VL	5	0	0.0%	5	0.0%	45	0	0.0%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	0.0%	0	10	-100.0%
GASOIL 10PPM CARGOES CIF	TY	0	0	0.0%	0	0.0%	0	3	-100.0%
GASOIL 10PPM VS ICE SWAP	TP	5	0	0.0%	120	-95.8%	460	54	751.9%
GASOIL BULLET SWAP	BG	0	0	-	0	0.0%	0	0	-
GASOIL CALENDAR SWAP	GX	15	132	-88.6%	0	0.0%	33	200	-83.5%
GASOIL CRACK SPREAD CALEN	GZ	8,585	3,880	121.3%	5,780	48.5%	32,668	7,468	337.4%
GASOIL MINI CALENDAR SWAP	QA	78	173	-54.9%	271	-71.2%	655	997	-34.3%
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%	0	0	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	5,111	1,590	221.4%	1,875	172.6%	11,506	8,985	28.1%
GRP THREE UNL GS (PLT) VS	A8	815	750	8.7%	925	-11.9%	2,554	4,740	-46.1%
GULF COAST 3% FUEL OIL BA	VZ	1,246	1,015	22.8%	543	129.5%	4,735	4,051	16.9%
GULF COAST GASOLINE CLNDR	GS	0	0	0.0%	0	0.0%	0	1,300	-100.0%
GULF COAST JET FUEL CLNDR	GE	208	410	-49.3%	138	50.7%	456	533	-14.4%
GULF COAST JET VS NYM 2 H	ME	26,486	32,116	-17.5%	57,956	-54.3%	175,712	128,563	36.7%
GULF COAST NO.6 FUEL OIL	MF	53,106	56,300	-5.7%	63,144	-15.9%	247,144	247,495	-0.1%
GULF COAST NO.6 FUEL OIL	MG	1,555	72	2,059.7%	772	101.4%	6,969	4,338	60.7%
GULF COAST ULSD CALENDAR	LY	543	835	-35.0%	214	153.7%	1,573	3,889	-59.6%
GULF COAST ULSD CRACK SPR	GY	0	1,497	-100.0%	1,000	-100.0%	1,000	3,447	-71.0%
HEATING OIL BALMO CLNDR S	1G	195	45	333.3%	175	11.4%	370	220	68.2%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	0.0%	0	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	10,231	43,226	-76.3%	11,768	-13.1%	35,334	118,109	-70.1%
HENRY HUB INDEX SWAP FUTU	IN	10,231	42,126	-75.7%	9,630	6.2%	33,756	110,932	-69.6%
HENRY HUB SWAP	NN	169,073	464,774	-63.6%	175,061	-3.4%	628,211	2,128,069	-70.5%
HENRY HUB SWING FUTURE	SN	0	0	0.0%	0	0.0%	0	290	-100.0%
HOUSTON SHIP CHANNEL BASI	NH	969	124	681.5%	0	0.0%	969	12,848	-92.5%
HOUSTON SHIP CHANNEL INDE	IP	0	0	0.0%	0	0.0%	0	0	0.0%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	0.0%	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	DB	17,660	0	0.0%	7,650	130.8%	42,093	10	420,830.0%
IN DELIVERY MONTH EUA	6T	2,850	1,826	56.1%	0	0.0%	2,850	14,326	-80.1%
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%

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Commodity		VOLUME APR 2017	VOLUME APR 2016	% CHG	VOLUME MAR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Futures</b>									
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	0	0.0%
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	60	-91.7%
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	403	229	76.0%	517	-22.1%	1,805	2,141	-15.7%
JAPAN C&F NAPHTHA SWAP	JA	3,053	886	244.6%	1,400	118.1%	6,937	4,678	48.3%
JAPAN NAPHTHA BALMO SWAP	E6	652	20	3,160.0%	30	2,073.3%	779	287	171.4%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	19	-100.0%	0	0.0%	0	44	-100.0%
JET BARGES VS ICE GASOIL	JR	0	0	0.0%	0	0.0%	0	22	-100.0%
JET CIF NWE VS ICE	JC	90	115	-21.7%	220	-59.1%	380	300	26.7%
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	0.0%	0	2	-100.0%
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	0	0.0%	10	30	-66.7%
JET FUEL UP-DOWN BALMO CL	1M	6,478	4,773	35.7%	14,881	-56.5%	30,067	15,813	90.1%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	150	935	-84.0%	135	11.1%	685	3,152	-78.3%
LA CARBOB GASOLINE(OPIS)S	JL	50	225	-77.8%	250	-80.0%	700	4,000	-82.5%
LA JET FUEL VS NYM NO 2 H	MQ	0	25	-100.0%	0	0.0%	25	685	-96.4%
LA JET (OPIS) SWAP	JS	650	1,750	-62.9%	1,350	-51.9%	6,960	7,162	-2.8%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	-	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	5,690	4,910	15.9%	2,205	158.0%	21,175	25,294	-16.3%
MARS (ARGUS) VS WTI SWAP	YX	3,030	4,700	-35.5%	1,475	105.4%	14,161	25,593	-44.7%
MARS (ARGUS) VS WTI TRD M	YV	15,725	6,865	129.1%	25,217	-37.6%	96,002	35,972	166.9%
MARS BLEND CRUDE OIL	MB	4,581	438	945.9%	369	1,141.5%	9,765	4,409	121.5%
MCCLOSKEY ARA ARGS COAL	MTF	38,311	194,340	-80.3%	49,804	-23.1%	212,638	825,356	-74.2%
MCCLOSKEY RCH BAY COAL	MFF	5,319	18,847	-71.8%	5,650	-5.9%	25,677	102,230	-74.9%
MGF FUT	MGF	35	40	-12.5%	162	-78.4%	197	100	97.0%
MGN1 SWAP FUT	MGN	90	111	-18.9%	120	-25.0%	542	656	-17.4%
MICHCON NG INDEX SWAP	Y8	0	0	-	0	0.0%	0	0	-
MICHIGAN BASIS	NF	0	3,786	-100.0%	0	0.0%	2,592	7,533	-65.6%
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%



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Commodity		VOLUME APR 2017	VOLUME APR 2016	% CHG	VOLUME MAR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Futures</b>									
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	509	426	19.5%	463	9.9%	1,645	1,563	5.2%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	236	0	0.0%	0	0.0%	1,182	696	69.8%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	3,289	1,109	196.6%	1,854	77.4%	9,798	4,420	121.7%
MJB FUT	MJB	0	0	0.0%	0	-	0	0	0.0%
MJC FUT	MJC	0	70	-100.0%	150	-100.0%	260	368	-29.3%
MNC FUT	MNC	4,538	4,238	7.1%	5,725	-20.7%	18,139	16,399	10.6%
MONT BELVIEU ETHANE 5 DECIMAL	C0	18,279	49,524	-63.1%	22,464	-18.6%	132,967	145,088	-8.4%
MONT BELVIEU ETHANE OPIS BALMO	8C	200	65	207.7%	75	166.7%	1,925	480	301.0%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	64,147	84,996	-24.5%	112,047	-42.7%	378,461	350,515	8.0%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,366	107	1,176.6%	774	76.5%	9,076	1,996	354.7%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	2,554	6,409	-60.1%	4,348	-41.3%	18,833	36,945	-49.0%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	155	213	-27.2%	210	-26.2%	1,371	838	63.6%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	29,639	17,438	70.0%	37,483	-20.9%	123,984	98,504	25.9%
MONT BELVIEU NORMAL BUTANE BALMO	8J	405	165	145.5%	1,750	-76.9%	4,202	2,380	76.6%
NAT GAS BASIS SWAP	SGW	0	0	0.0%	0	-	0	0	0.0%
NAT GAS BASIS SWAP	TZ6	453	3,786	-88.0%	0	0.0%	1,737	10,034	-82.7%
NATURAL GAS	HBI	0	0	-	0	0.0%	0	0	-
NATURAL GAS	XIC	0	0	-	44	-100.0%	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%	0	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%	600	-100.0%	656	610	7.5%
NATURAL GAS PEN SWP	NP	61,205	80,179	-23.7%	119,562	-48.8%	419,825	439,935	-4.6%
NEPOOL CNCTCT 5MW D AH O	P3	0	11,925	-100.0%	0	0.0%	0	11,925	-100.0%
NEPOOL CONECTIC 5MW D AH	P2	0	635	-100.0%	0	0.0%	0	635	-100.0%
NEPOOL INTR HUB 5MW D AH	H2	64,300	11,925	439.2%	7,440	764.2%	221,100	56,997	287.9%
NEPOOL INTR HUB 5MW D AH	U6	3,480	635	448.0%	420	728.6%	10,400	3,470	199.7%
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%





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<b>Energy Futures</b>									
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	530	1,090	-51.4%	710	-25.4%	2,405	8,840	-72.8%
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	0	5,222	-100.0%	0	0.0%	744	18,822	-96.0%
NGPL MIDCONTINENT INDEX	IW	0	0	0.0%	0	0.0%	0	4,280	-100.0%
NGPL MIDCONTINENT SWING S	PX	0	0	-	0	0.0%	0	0	-
NGPL TEX/OK	PD	0	1,984	-100.0%	800	-100.0%	800	20,060	-96.0%
NGPL TEXOK INDEX	OI	0	0	0.0%	0	0.0%	0	0	0.0%
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	425	100	325.0%	300	41.7%	2,635	2,375	10.9%
NORTHERN NATURAL GAS DEMAR	PE	0	684	-100.0%	0	0.0%	0	1,047	-100.0%
NORTHERN NATURAL GAS VENTU	PF	0	2,467	-100.0%	0	0.0%	0	4,076	-100.0%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	368	23,616	-98.4%	62	493.5%	614	81,071	-99.2%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	VR	2,042	2,188	-6.7%	1,760	16.0%	10,930	8,003	36.6%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	0.0%	0	189	-100.0%
NY 3.0% FUEL OIL (PLATTS	H1	800	125	540.0%	285	180.7%	2,260	725	211.7%
NY HARBOR 1% FUEL OIL BAL	VK	25	0	0.0%	0	0.0%	25	30	-16.7%
NY HARBOR HEAT OIL SWP	MP	3,254	927	251.0%	2,041	59.4%	10,053	11,860	-15.2%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	345	1,725	-80.0%	975	-64.6%	2,173	2,850	-23.8%
NY HARBOR RESIDUAL FUEL 1	MM	2,769	3,036	-8.8%	5,225	-47.0%	13,680	18,568	-26.3%
NY HARBOR RESIDUAL FUEL C	ML	0	0	0.0%	0	-	0	0	0.0%
NYH NO 2 CRACK SPREAD CAL	HK	1,374	896	53.3%	2,240	-38.7%	7,355	4,938	48.9%
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	0	-	15	-20.0%	207	0	-

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Commodity		VOLUME APR 2017	VOLUME APR 2016	% CHG	VOLUME MAR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Futures</b>									
NYISO CAPACITY	NNC	84	30	180.0%	570	-85.3%	1,380	567	143.4%
NYISO CAPACITY	NRS	75	185	-59.5%	421	-82.2%	760	758	0.3%
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	86	-100.0%	0	0.0%	0	172	-100.0%
NYISO J OFF-PEAK	KK	0	40	-100.0%	0	0.0%	0	80	-100.0%
NYISO ZONE A 5MW D AH O P	K4	0	70,440	-100.0%	0	0.0%	9,360	193,440	-95.2%
NYISO ZONE A 5MW D AH PK	K3	0	210	-100.0%	0	0.0%	6,705	640	947.7%
NYISO ZONE C 5MW D AH O P	A3	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH PK	Q5	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH O P	D2	46,800	100,840	-53.6%	30,840	51.8%	259,200	280,750	-7.7%
NYISO ZONE G 5MW D AH PK	T3	2,990	945	216.4%	8,275	-63.9%	24,550	11,829	107.5%
NYISO ZONE J 5MW D AH O P	D4	23,400	9,352	150.2%	0	0.0%	133,000	102,952	29.2%
NYISO ZONE J 5MW D AH PK	D3	1,705	512	233.0%	2,340	-27.1%	9,345	7,767	20.3%
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	275	12	2,191.7%	1,060	-74.1%	7,047	2,542	177.2%
ONEOK OKLAHOMA NG BASIS	8X	0	186	-100.0%	0	0.0%	0	945	-100.0%
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	20	-100.0%	10	-100.0%	140	90	55.6%
ONTARIO POWER SWAPS	OPM	330	210	57.1%	0	0.0%	540	440	22.7%
PANHANDLE BASIS SWAP FUTU	PH	0	11,777	-100.0%	0	0.0%	48	32,360	-99.9%
PANHANDLE INDEX SWAP FUTU	IV	0	0	0.0%	0	0.0%	0	558	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	864	-100.0%	864	0	0.0%
PERMIAN BASIS SWAP	PM	214	3,298	-93.5%	0	0.0%	214	14,075	-98.5%
PETROCHEMICALS	22	64	101	-36.6%	104	-38.5%	306	198	54.5%
PETROCHEMICALS	32	90	19	373.7%	104	-13.5%	504	170	196.5%
PETROCHEMICALS	8I	156	107	45.8%	1,800	-91.3%	2,823	886	218.6%
PETROCHEMICALS	91	165	338	-51.2%	233	-29.2%	949	554	71.3%
PETROCHEMICALS	HPE	0	0	0.0%	0	0.0%	0	20	-100.0%
PETROCHEMICALS	LPE	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	MAC	0	0	0.0%	10	-100.0%	50	110	-54.5%
PETROCHEMICALS	MAE	0	50	-100.0%	10	-100.0%	10	140	-92.9%
PETROCHEMICALS	MAS	20	30	-33.3%	10	100.0%	115	200	-42.5%

## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME APR 2017	VOLUME APR 2016	% CHG	VOLUME MAR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Futures</b>									
PETROCHEMICALS	MBE	440	2,590	-83.0%	775	-43.2%	4,035	10,485	-61.5%
PETROCHEMICALS	MNB	1,093	505	116.4%	1,044	4.7%	3,602	5,228	-31.1%
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0.0%	105	1,050	-90.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	64	-100.0%	264	0	0.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	CRB	0	58	-100.0%	0	0.0%	610	228	167.5%
PETRO CRCKS & SPRDS NA	EXR	1,775	1,514	17.2%	3,072	-42.2%	11,758	5,903	99.2%
PETRO CRCKS & SPRDS NA	FOC	1,125	875	28.6%	990	13.6%	3,490	2,700	29.3%
PETRO CRCKS & SPRDS NA	GBB	815	175	365.7%	740	10.1%	3,205	175	1,731.4%
PETRO CRCKS & SPRDS NA	GCC	350	50	600.0%	325	7.7%	675	1,125	-40.0%
PETRO CRCKS & SPRDS NA	GCI	984	683	44.1%	1,730	-43.1%	5,495	2,898	89.6%
PETRO CRCKS & SPRDS NA	GCM	0	17	-100.0%	0	0.0%	0	35	-100.0%
PETRO CRCKS & SPRDS NA	GCU	5,924	9,681	-38.8%	5,527	7.2%	29,088	33,953	-14.3%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	200	-100.0%	485	0	0.0%
PETRO CRCKS & SPRDS NA	HOB	4,561	3,057	49.2%	2,238	103.8%	10,762	18,959	-43.2%
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	-
PETRO CRCKS & SPRDS NA	NFG	0	200	-100.0%	86	-100.0%	86	420	-79.5%
PETRO CRCKS & SPRDS NA	NYF	300	0	0.0%	0	0.0%	600	100	500.0%
PETRO CRCKS & SPRDS NA	NYH	0	300	-100.0%	0	0.0%	0	300	-100.0%
PETRO CRCKS & SPRDS NA	RBB	6,815	8,156	-16.4%	7,934	-14.1%	36,210	35,377	2.4%
PETRO CRCKS & SPRDS NA	RVG	19,560	6,861	185.1%	17,455	12.1%	66,571	27,189	144.8%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0.0%	6	19	-68.4%
PETRO CRK&SPRD EURO	1NB	847	1,005	-15.7%	1,749	-51.6%	5,851	8,512	-31.3%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	43	296	158	87.3%	201	47.3%	906	709	27.8%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	BOB	2,021	2,003	0.9%	2,248	-10.1%	9,551	9,145	4.4%
PETRO CRK&SPRD EURO	EOB	0	10	-100.0%	48	-100.0%	68	70	-2.9%
PETRO CRK&SPRD EURO	EPN	282	320	-11.9%	576	-51.0%	1,530	654	133.9%
PETRO CRK&SPRD EURO	EVC	2,292	2,212	3.6%	3,657	-37.3%	12,882	5,498	134.3%
PETRO CRK&SPRD EURO	FBT	0	190	-100.0%	0	0.0%	0	360	-100.0%
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	200	-100.0%	400	560	-28.6%
PETRO CRK&SPRD EURO	GOC	0	39	-100.0%	5	-100.0%	35	39	-10.3%
PETRO CRK&SPRD EURO	LSU	0	0	0.0%	0	-	0	0	0.0%

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<b>Energy Futures</b>									
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	30	-100.0%	70	0	0.0%
PETRO CRK&SPRD EURO	MUD	160	61	162.3%	222	-27.9%	646	416	55.3%
PETRO CRK&SPRD EURO	NBB	26	5	420.0%	0	0.0%	64	80	-20.0%
PETRO CRK&SPRD EURO	NOB	1,170	116	908.6%	1,468	-20.3%	4,498	1,234	264.5%
PETRO CRK&SPRD EURO	SFB	25	0	0.0%	0	0.0%	155	25	520.0%
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	-
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	3,058	0	0.0%	2,535	20.6%	13,097	50	26,094.0%
PETROLEUM PRODUCTS	MBS	0	0	0.0%	0	0.0%	80	471	-83.0%
PETROLEUM PRODUCTS	MHE	0	0	-	0	0.0%	0	0	-
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0.0%	0	1,178	-100.0%
PETROLEUM PRODUCTS	VU	200	12	1,566.7%	15	1,233.3%	704	884	-20.4%
PETROLEUM PRODUCTS ASIA	E6M	47	205	-77.1%	0	0.0%	62	362	-82.9%
PETROLEUM PRODUCTS ASIA	MJN	2,044	1,291	58.3%	2,151	-5.0%	7,436	4,715	57.7%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	0.0%	25	0	-
PETRO OUTRIGHT EURO	0A	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	0B	0	294	-100.0%	0	0.0%	43	669	-93.6%
PETRO OUTRIGHT EURO	0C	0	10	-100.0%	0	0.0%	0	76	-100.0%
PETRO OUTRIGHT EURO	0D	1,787	4,686	-61.9%	3,025	-40.9%	10,642	18,992	-44.0%
PETRO OUTRIGHT EURO	0E	551	1,259	-56.2%	676	-18.5%	2,618	3,604	-27.4%
PETRO OUTRIGHT EURO	0F	1,780	970	83.5%	1,630	9.2%	5,823	3,903	49.2%
PETRO OUTRIGHT EURO	1T	12	0	0.0%	36	-66.7%	48	20	140.0%
PETRO OUTRIGHT EURO	33	0	42	-100.0%	60	-100.0%	80	164	-51.2%
PETRO OUTRIGHT EURO	5L	30	105	-71.4%	85	-64.7%	334	400	-16.5%
PETRO OUTRIGHT EURO	63	105	195	-46.2%	5	2,000.0%	462	537	-14.0%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0.0%	2	0	0.0%
PETRO OUTRIGHT EURO	7I	50	270	-81.5%	17	194.1%	409	700	-41.6%
PETRO OUTRIGHT EURO	7P	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	7R	119	273	-56.4%	335	-64.5%	837	998	-16.1%
PETRO OUTRIGHT EURO	88	0	15	-100.0%	0	0.0%	0	20	-100.0%
PETRO OUTRIGHT EURO	CBB	0	0	-	0	0.0%	42	0	-

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<b>Energy Futures</b>									
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0.0%	0	6	-100.0%
PETRO OUTRIGHT EURO	CPB	75	107	-29.9%	571	-86.9%	1,693	187	805.3%
PETRO OUTRIGHT EURO	EFF	50	75	-33.3%	45	11.1%	270	281	-3.9%
PETRO OUTRIGHT EURO	EFM	166	0	0.0%	5	3,220.0%	296	90	228.9%
PETRO OUTRIGHT EURO	ENS	0	82	-100.0%	0	0.0%	60	508	-88.2%
PETRO OUTRIGHT EURO	ESB	0	0	-	0	0.0%	6	0	-
PETRO OUTRIGHT EURO	EWN	1,145	125	816.0%	606	88.9%	3,119	587	431.3%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	0.0%	20	0	0.0%
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	30	-100.0%	120	34	252.9%
PETRO OUTRIGHT EURO	MBN	280	1,126	-75.1%	1,050	-73.3%	2,518	4,327	-41.8%
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	T0	0	65	-100.0%	0	0.0%	110	187	-41.2%
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	0.0%	375	90	316.7%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	75	-100.0%	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	32	89	-64.0%	209	-84.7%	554	226	145.1%
PETRO OUTRIGHT NA	FOB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	FOM	30	0	0.0%	10	200.0%	40	3	1,233.3%
PETRO OUTRIGHT NA	GBA	0	0	-	0	0.0%	0	0	-
PETRO OUTRIGHT NA	GUD	0	0	-	0	0.0%	0	0	-
PETRO OUTRIGHT NA	JE	0	0	0.0%	18	-100.0%	18	439	-95.9%
PETRO OUTRIGHT NA	JET	3,283	1,550	111.8%	4,573	-28.2%	18,352	7,170	156.0%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	77	-100.0%	135	0	0.0%
PETRO OUTRIGHT NA	MEN	797	828	-3.7%	909	-12.3%	3,047	3,369	-9.6%
PETRO OUTRIGHT NA	MEO	9,124	8,899	2.5%	15,779	-42.2%	46,879	36,962	26.8%
PETRO OUTRIGHT NA	MFD	0	44	-100.0%	0	0.0%	0	300	-100.0%
PETRO OUTRIGHT NA	MMF	40	259	-84.6%	28	42.9%	363	668	-45.7%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	0.0%	625	0	0.0%
PETRO OUTRIGHT NA	XER	0	0	0.0%	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	V3	0	35,370	-100.0%	4,240	-100.0%	264,125	690,936	-61.8%
PJM AD HUB 5MW REAL TIME	Z9	2,550	9,100	-72.0%	1,280	99.2%	18,710	40,724	-54.1%
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%



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<b>Energy Futures</b>									
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	23,400	-100.0%	0	0.0%	0	23,400	-100.0%
PJM BGE DA PEAK	E3	0	1,275	-100.0%	0	0.0%	0	1,275	-100.0%
PJM COMED 5MW D AH O PK	D9	46,800	93,600	-50.0%	0	0.0%	85,390	187,200	-54.4%
PJM COMED 5MW D AH PK	D8	2,550	5,100	-50.0%	0	0.0%	4,675	10,200	-54.2%
PJM DAILY	JD	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	8,000	-100.0%	0	0.0%	211,995	21,305	895.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	200	-100.0%	5,250	765	586.3%
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	34,130	9,800	248.3%	4,620	638.7%	68,765	19,043	261.1%
PJM NI HUB 5MW REAL TIME	B6	662,960	199,440	232.4%	122,080	443.1%	1,573,230	554,837	183.5%
PJM NILL DA OFF-PEAK	L3	504,194	121,120	316.3%	9,871	5,007.8%	658,287	298,835	120.3%
PJM NILL DA PEAK	N3	19,594	5,100	284.2%	514	3,712.1%	36,476	12,948	181.7%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PEPCO DA OFF-PEAK	Q8	0	0	0.0%	0	-	0	0	0.0%
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	46,800	-100.0%	0	0.0%	0	163,800	-100.0%
PJM PSEG DA PEAK	L6	0	2,550	-100.0%	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	257,400	-100.0%	0	0.0%	7,500	417,490	-98.2%
PJM WESTHDA PEAK	J4	880	14,025	-93.7%	0	0.0%	1,340	20,960	-93.6%
PJM WESTH RT OFF-PEAK	N9	653,480	779,925	-16.2%	192,005	240.3%	1,216,815	3,442,961	-64.7%
PJM WESTH RT PEAK	L1	31,817	58,419	-45.5%	12,745	149.6%	86,239	289,729	-70.2%
PLASTICS	PGP	723	501	44.3%	365	98.1%	2,118	1,801	17.6%
PREMIUM UNLD 10P FOB MED	3G	10	480	-97.9%	62	-83.9%	231	1,520	-84.8%
PREMIUM UNLEAD 10PPM FOB	8G	14	53	-73.6%	5	180.0%	35	161	-78.3%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	0.0%	7	-100.0%	7	2	250.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	36	-100.0%	11	-100.0%	32	146	-78.1%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	122	0	0.0%	520	-76.5%	3,451	949	263.6%

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<b>Energy Futures</b>									
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	5,219	11,996	-56.5%	10,035	-48.0%	36,670	35,052	4.6%
RBOB CALENDAR SWAP	RL	7,253	6,658	8.9%	5,537	31.0%	29,394	21,429	37.2%
RBOB CRACK SPREAD	RM	360	619	-41.8%	335	7.5%	1,979	7,902	-75.0%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLNDR	1D	471	24	1,862.5%	343	37.3%	2,413	2,200	9.7%
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	625	1,675	-62.7%	1,475	-57.6%	9,585	5,006	91.5%
ROCKIES KERN OPAL - NW IN	IR	0	0	0.0%	0	0.0%	0	736	-100.0%
SAN JUAN BASIS SWAP	NJ	214	11,310	-98.1%	0	0.0%	214	20,966	-99.0%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE 180CST BALMO	BS	110	181	-39.2%	60	83.3%	242	304	-20.4%
SINGAPORE 380CST BALMO	BT	307	103	198.1%	158	94.3%	847	554	52.9%
SINGAPORE 380CST FUEL OIL	SE	9,680	6,062	59.7%	11,812	-18.0%	50,251	22,988	118.6%
SINGAPORE FUEL 180CST CAL	UA	1,307	1,280	2.1%	803	62.8%	5,397	5,067	6.5%
SINGAPORE FUEL OIL SPREAD	SD	678	284	138.7%	706	-4.0%	3,593	1,452	147.5%
SINGAPORE GASOIL	MTB	125	255	-51.0%	160	-21.9%	653	1,248	-47.7%
SINGAPORE GASOIL	MTS	4,199	3,491	20.3%	5,466	-23.2%	20,659	12,722	62.4%
SINGAPORE GASOIL	STL	0	0	0.0%	0	0.0%	0	100	-100.0%
SINGAPORE GASOIL	STZ	0	0	0.0%	300	-100.0%	400	0	0.0%
SINGAPORE GASOIL CALENDAR	MSG	400	90	344.4%	740	-45.9%	1,574	187	741.7%
SINGAPORE GASOIL SWAP	SG	8,747	9,414	-7.1%	15,419	-43.3%	44,950	14,290	214.6%
SINGAPORE GASOIL VS ICE	GA	4,855	1,030	371.4%	17,429	-72.1%	44,275	4,660	850.1%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0.0%	257	56	358.9%
SINGAPORE JET KERO GASOIL	RK	2,275	805	182.6%	2,115	7.6%	9,580	3,030	216.2%
SINGAPORE JET KEROSENE SW	KS	1,125	550	104.5%	940	19.7%	5,769	2,290	151.9%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	315	1,350	-76.7%	0	0.0%	422	2,235	-81.1%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	7,669	7,380	3.9%	5,482	39.9%	34,545	28,104	22.9%
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	10	5	100.0%	15	-33.3%	35	5	600.0%
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%





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<b>Energy Futures</b>									
SONAT BASIS SWAP FUTURE	SZ	0	368	-100.0%	0	0.0%	0	368	-100.0%
SOUTHERN NAT LA NAT GAS	M8	0	0	0.0%	0	0.0%	0	522	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	264	-100.0%	0	0.0%	0	264	-100.0%
Sumas Basis Swap	NK	702	1,976	-64.5%	1,496	-53.1%	3,656	4,208	-13.1%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	0.0%	0	0.0%	0	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	4,868	248	1,862.9%	1,467	231.8%	7,216	13,571	-46.8%
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	1,037	-100.0%
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	428	-100.0%	428	0	0.0%
TENNESSEE 800 LEG NG BASI	6Z	0	0	0.0%	0	0.0%	0	428	-100.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	0	0.0%	0	788	-100.0%
Tetco ELA Basis	TE	0	0	0.0%	0	-	0	0	0.0%
TETCO M-3 INDEX	IX	0	1,352	-100.0%	0	0.0%	0	4,062	-100.0%
Tetco STX Basis	TX	0	0	0.0%	0	0.0%	0	881	-100.0%
TEXAS EASTERN ZONE M-3 BA	NX	0	10,180	-100.0%	856	-100.0%	7,547	34,983	-78.4%
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	302	0	0.0%	0	0.0%	302	490	-38.4%
TRANSCO ZONE 3 NG INDEX S	Y6	6,256	0	-	0	-	6,256	0	-
TRANSCO ZONE4 BASIS SWAP	TR	403	4,055	-90.1%	642	-37.2%	5,891	10,705	-45.0%
TRANSCO ZONE 4 NAT GAS IN	B2	465	496	-6.2%	0	0.0%	465	496	-6.3%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	711	-100.0%	302	-100.0%	2,870	4,169	-31.2%
TRANSCO ZONE 6 INDEX	IT	0	1,720	-100.0%	0	0.0%	856	4,554	-81.2%
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	0	0.0%	0	-	0	0	0.0%
UCM FUT	UCM	20	20	0.0%	30	-33.3%	81	120	-32.5%
ULSD 10PPM CIF MED BALMO	X7	0	35	-100.0%	0	0.0%	0	35	-100.0%
ULSD 10PPM CIF MED SWAP	Z6	15	35	-57.1%	10	50.0%	25	42	-40.5%
ULSD 10PPM CIF MED VS ICE	Z7	15	0	0.0%	0	0.0%	21	75	-72.0%
ULSD 10PPM CIF VS ICE GAS	7V	0	0	0.0%	0	0.0%	0	35	-100.0%
ULSD UP-DOWN BALMO SWP	1L	2,715	5,600	-51.5%	3,835	-29.2%	17,105	13,110	30.5%
UP DOWN GC ULSD VS NMX HO	LT	32,710	52,226	-37.4%	41,161	-20.5%	173,478	211,863	-18.1%
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	151	2,879	-94.8%	0	0.0%	882	14,610	-94.0%

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<b>Energy Futures</b>									
WAHA INDEX SWAP FUTURE	IY	0	3,060	-100.0%	0	0.0%	0	4,520	-100.0%
WESTERN RAIL DELIVERY PRB	QP	195	1,635	-88.1%	120	62.5%	735	5,096	-85.6%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	200	-100.0%	404	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	5,185	5,785	-10.4%	4,052	28.0%	32,817	43,377	-24.3%
WTI CALENDAR	CS	36,677	32,631	12.4%	32,679	12.2%	149,449	131,497	13.7%
WTS (ARGUS) VS WTI SWAP	FF	6,270	0	0.0%	3,705	69.2%	16,659	4,220	294.8%
WTS (ARGUS) VS WTI TRD MT	FH	0	1,740	-100.0%	590	-100.0%	2,410	3,305	-27.1%
<b>Energy Options</b>									
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	20	4,000	-99.5%	0	0.0%	1,982	6,061	-67.3%
BRENT OIL LAST DAY	BE	8,572	2,517	240.6%	5,190	65.2%	14,680	15,666	-6.3%
BRENT OIL LAST DAY	BZO	16,033	5,217	207.3%	19,382	-17.3%	73,855	17,108	331.7%
BRENT OIL LAST DAY	OS	0	1,231	-100.0%	1,000	-100.0%	1,048	6,710	-84.4%
COAL API2 INDEX	CLA	1,445	2,480	-41.7%	1,240	16.5%	5,331	28,705	-81.4%
COAL API2 INDEX	CQA	0	22,350	-100.0%	510	-100.0%	580	86,559	-99.3%
COAL API2 INDEX	MTC	0	150	-100.0%	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	130	-100.0%	0	0.0%	0	1,330	-100.0%
COAL SWAP	CPF	0	20	-100.0%	0	0.0%	140	385	-63.6%
COAL SWAP	RPF	0	40	-100.0%	45	-100.0%	85	46	84.8%
CRUDE OIL 1MO	WA	123,770	190,896	-35.2%	216,101	-42.7%	663,753	840,134	-21.0%
CRUDE OIL APO	AO	40,228	21,590	86.3%	22,443	79.2%	137,918	87,617	57.4%
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	150	-100.0%
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	CD	1,135	2,100	-46.0%	2,025	-44.0%	6,560	11,975	-45.2%
CRUDE OIL PHY	LC	36,890	23,191	59.1%	44,869	-17.8%	133,939	198,243	-32.4%
CRUDE OIL PHY	LO	3,979,098	3,729,657	6.7%	5,142,006	-22.6%	14,848,535	15,836,674	-6.2%
CRUDE OIL PHY	LO1	10,215	2,007	409.0%	10,685	-4.4%	36,808	20,418	80.3%
CRUDE OIL PHY	LO2	6,413	3,019	112.4%	15,902	-59.7%	32,284	17,537	84.1%
CRUDE OIL PHY	LO3	13,478	71	18,883.1%	6,892	95.6%	29,530	7,245	307.6%
CRUDE OIL PHY	LO4	20,137	4,581	339.6%	7,834	157.0%	46,415	16,160	187.2%
CRUDE OIL PHY	LO5	0	3,990	-100.0%	13,633	-100.0%	13,633	10,875	25.4%



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<b>Energy Options</b>									
DAILY CRUDE OIL	DNM	0	0	0.0%	0	-	0	0	0.0%
ELEC FINSETTLED	PML	0	37	-100.0%	0	0.0%	0	111	-100.0%
ELEC MISO PEAK	9T	0	0	0.0%	820	-100.0%	820	0	0.0%
ELECTRICITY OFF PEAK	N9P	0	0	0.0%	0	-	0	0	0.0%
ETHANOL	CE1	15	0	0.0%	35	-57.1%	65	25	160.0%
ETHANOL	CE3	0	0	0.0%	0	0.0%	300	25	1,100.0%
ETHANOL SWAP	CVR	5,395	8,731	-38.2%	5,032	7.2%	21,707	22,785	-4.7%
ETHANOL SWAP	GVR	515	950	-45.8%	255	102.0%	770	1,168	-34.1%
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 CRK SPD AVG PRICE OPTIONS	3W	0	0	-	0	0.0%	0	0	-
HEATING OIL PHY	LB	0	630	-100.0%	0	0.0%	900	1,229	-26.8%
HEATING OIL PHY	OH	26,585	52,871	-49.7%	29,666	-10.4%	105,743	227,065	-53.4%
HENRY HUB FINANCIAL LAST	E7	3,480	978	255.8%	2,754	26.4%	16,141	5,069	218.4%
HO 1 MONTH CLNDR OPTIONS	FA	1,300	1,000	30.0%	0	0.0%	1,300	5,700	-77.2%
HUSTN SHIP CHNL PIPE SWP	PK	0	0	0.0%	0	0.0%	0	0	0.0%
LLS CRUDE OIL	WJO	0	1,830	-100.0%	1,800	-100.0%	5,100	4,530	12.6%
MCCLOSKEY ARA ARGS COAL	MTO	0	1,200	-100.0%	540	-100.0%	540	6,990	-92.3%
MCCLOSKEY RCH BAY COAL	MFO	0	450	-100.0%	0	0.0%	0	1,350	-100.0%
NATURAL GAS	G10	250	0	0.0%	0	0.0%	250	500	-50.0%
NATURAL GAS 12 M CSO FIN	G7	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	109,700	2,625	4,079.0%	17,700	519.8%	165,700	30,855	437.0%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	2,000	-100.0%	2,750	1,000	175.0%
NATURAL GAS 3 M CSO FIN	G3	5,750	22,125	-74.0%	8,700	-33.9%	19,650	58,182	-66.2%
NATURAL GAS 5 M CSO FIN	G5	825	650	26.9%	1,175	-29.8%	4,050	1,200	237.5%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	20,120	-100.0%	33,870	4,100	726.1%
NATURAL GAS OPTION ON CALENDAR STRP	6J	120	40	200.0%	3,160	-96.2%	3,800	11,378	-66.6%
NATURAL GAS PHY	KD	29,266	38,346	-23.7%	37,483	-21.9%	118,979	136,902	-13.1%
NATURAL GAS PHY	LN	1,873,814	1,543,161	21.4%	2,341,100	-20.0%	9,134,603	7,506,103	21.7%
NATURAL GAS PHY	ON	157,581	294,249	-46.4%	199,373	-21.0%	835,802	1,128,787	-26.0%
NATURAL GAS PHY	ON1	0	0	-	0	0.0%	0	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	250	-100.0%

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<b>Energy Options</b>									
N ROCKIES PIPE SWAP	ZR	450	630	-28.6%	450	0.0%	1,506	1,350	11.6%
NY HARBOR HEAT OIL SWP	AT	3,190	2,746	16.2%	2,504	27.4%	12,243	24,338	-49.7%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	0.0%	0	0.0%	19,830	0	0.0%
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	-	2,880	-100.0%	2,880	0	-
PETROCHEMICALS	4H	515	2,640	-80.5%	347	48.4%	2,297	7,430	-69.1%
PETROCHEMICALS	4I	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	4J	255	0	0.0%	50	410.0%	2,180	1,950	11.8%
PETROCHEMICALS	4K	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	CPR	18	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	480	0	0.0%	220	118.2%	2,540	140	1,714.3%
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	1,752	164	968.3%	1,710	2.5%	9,919	1,364	627.2%
RBOB 1MO CAL SPD OPTIONS	ZA	0	1,700	-100.0%	0	0.0%	0	1,700	-100.0%
RBOB CALENDAR SWAP	RA	460	1,000	-54.0%	105	338.1%	2,025	2,173	-6.8%
RBOB PHY	OB	35,868	48,482	-26.0%	24,272	47.8%	93,586	185,941	-49.7%
RBOB PHY	RF	0	0	0.0%	0	0.0%	60	20	200.0%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0.0%	0	280	-100.0%
SAN JUAN PIPE SWAP	PJ	270	1,122	-75.9%	270	0.0%	900	1,122	-19.8%
SHORT TERM	U11	400	150	166.7%	0	0.0%	1,170	1,300	-10.0%
SHORT TERM	U12	325	100	225.0%	0	0.0%	920	1,530	-39.9%
SHORT TERM	U13	50	1,036	-95.2%	100	-50.0%	975	2,536	-61.6%
SHORT TERM	U14	0	1,400	-100.0%	100	-100.0%	800	3,225	-75.2%
SHORT TERM	U15	0	200	-100.0%	575	-100.0%	1,615	1,400	15.4%
SHORT TERM	U22	0	200	-100.0%	200	-100.0%	450	1,650	-72.7%
SHORT TERM	U23	0	0	0.0%	250	-100.0%	620	300	106.7%
SHORT TERM	U24	730	0	0.0%	200	265.0%	1,230	550	123.6%
SHORT TERM	U25	0	0	0.0%	0	0.0%	100	205	-51.2%
SHORT TERM	U26	20	0	0.0%	0	0.0%	20	1,080	-98.1%
SHORT TERM CRUDE OIL	C02	0	0	0.0%	0	-	0	0	0.0%

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<b>Energy Options</b>									
SHORT TERM NATURAL GAS	U01	425	0	0.0%	0	0.0%	1,150	2,075	-44.6%
SHORT TERM NATURAL GAS	U02	0	800	-100.0%	265	-100.0%	855	2,975	-71.3%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	140	-100.0%	890	300	196.7%
SHORT TERM NATURAL GAS	U04	125	425	-70.6%	0	0.0%	200	1,500	-86.7%
SHORT TERM NATURAL GAS	U05	550	650	-15.4%	0	0.0%	600	1,450	-58.6%
SHORT TERM NATURAL GAS	U06	600	550	9.1%	1,175	-48.9%	4,500	1,280	251.6%
SHORT TERM NATURAL GAS	U07	500	1,000	-50.0%	425	17.6%	1,675	3,000	-44.2%
SHORT TERM NATURAL GAS	U08	0	347	-100.0%	0	0.0%	1,850	1,347	37.3%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	215	-100.0%	1,380	1,347	2.4%
SHORT TERM NATURAL GAS	U10	300	0	0.0%	1,150	-73.9%	3,700	2,715	36.3%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	100	-100.0%	400	1,285	-68.9%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	150	-100.0%	1,155	380	203.9%
SHORT TERM NATURAL GAS	U18	0	125	-100.0%	0	0.0%	0	1,000	-100.0%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0.0%	805	780	3.2%
SHORT TERM NATURAL GAS	U20	50	200	-75.0%	100	-50.0%	1,525	730	108.9%
SHORT TERM NATURAL GAS	U21	250	50	400.0%	400	-37.5%	665	475	40.0%
SHORT TERM NATURAL GAS	U27	120	300	-60.0%	25	380.0%	1,870	300	523.3%
SHORT TERM NATURAL GAS	U28	45	1,200	-96.3%	0	0.0%	245	1,925	-87.3%
SHORT TERM NATURAL GAS	U29	0	750	-100.0%	0	0.0%	0	2,075	-100.0%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	250	-100.0%	660	500	32.0%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	2,955	-100.0%	3,385	750	351.3%
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	31,273	5,400	479.1%	39,600	-21.0%	191,133	105,490	81.2%
WTI CRUDE OIL 1 M CSO FI	7A	27,200	140,109	-80.6%	71,700	-62.1%	199,300	749,581	-73.4%
<b>Metals Futures</b>									
COMEX GOLD	GC	4,612,180	3,902,456	18.2%	6,119,367	-24.6%	21,102,794	18,094,208	16.6%
NYMEX HOT ROLLED STEEL	HR	1,182	8,576	-86.2%	2,897	-59.2%	12,450	23,024	-45.9%
NYMEX PLATINUM	PL	280,575	248,758	12.8%	515,593	-45.6%	1,428,680	1,208,916	18.2%
PALLADIUM	PA	97,861	93,887	4.2%	98,308	-0.5%	449,776	432,092	4.1%

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<b>Metals Futures</b>									
URANIUM	UX	200	1,120	-82.1%	744	-73.1%	2,494	5,039	-50.5%
COMEX SILVER	SI	2,120,883	1,974,067	7.4%	1,495,885	41.8%	6,840,126	5,841,179	17.1%
COMEX E-Mini GOLD	QO	7,370	11,692	-37.0%	10,981	-32.9%	38,377	41,361	-7.2%
COMEX E-Mini SILVER	QI	720	1,389	-48.2%	860	-16.3%	3,406	3,579	-4.8%
COMEX COPPER	HG	2,266,785	2,018,844	12.3%	1,823,106	24.3%	8,135,241	6,709,080	21.3%
COMEX MINY COPPER	QC	790	528	49.6%	1,030	-23.3%	3,614	2,830	27.7%
Aluminium MW Trans Prem Platts	AUP	4,953	5,853	-15.4%	5,293	-6.4%	34,740	25,475	36.4%
ALUMINUM	A38	0	0	-	0	0.0%	30	0	-
ALUMINUM	AEP	1,405	1,695	-17.1%	1,564	-10.2%	15,459	4,979	210.5%
ALUMINUM	ALA	0	0	-	100	-100.0%	100	0	-
ALUMINUM	ALI	220	757	-70.9%	1,162	-81.1%	4,531	2,372	91.0%
ALUMINUM	EDP	375	144	160.4%	600	-37.5%	977	240	307.1%
ALUMINUM	MJP	0	161	-100.0%	1,614	-100.0%	4,658	2,300	102.5%
COPPER	HGS	307	504	-39.1%	141	117.7%	923	2,117	-56.4%
E-MICRO GOLD	MGC	84,964	87,153	-2.5%	99,109	-14.3%	345,221	350,385	-1.5%
FERROUS PRODUCTS	BUS	30	390	-92.3%	15	100.0%	215	390	-44.9%
FERROUS PRODUCTS	SSF	0	0	0.0%	0	-	0	0	0.0%
GOLD	GPS	0	0	-	0	0.0%	0	0	-
Gold Kilo	GCK	230	3,861	-94.0%	323	-28.8%	1,631	24,316	-93.3%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	0.0%	300	-100.0%	1,292	1,190	8.6%
IRON ORE 62 CHINA TSI FUTURES	TIO	11,349	19,873	-42.9%	13,115	-13.5%	44,026	89,898	-51.0%
LNDN ZINC	ZNC	15	0	0.0%	0	0.0%	35	79	-55.7%
METALS	LED	0	0	-	0	0.0%	0	0	-
SILVER	SIL	4,643	9,938	-53.3%	4,468	3.9%	19,690	30,600	-35.7%
<b>Metals Options</b>									
COMEX COPPER	HX	3,989	2,122	88.0%	4,128	-3.4%	15,932	7,825	103.6%
COMEX GOLD	OG	783,992	672,038	16.7%	926,386	-15.4%	3,134,231	3,487,488	-10.1%
COMEX SILVER	SO	113,784	154,422	-26.3%	129,651	-12.2%	418,660	465,772	-10.1%
COPPER	H4E	0	0	0.0%	0	-	0	0	0.0%
GOLD	OG1	2,331	504	362.5%	2,619	-11.0%	9,606	3,950	143.2%
GOLD	OG2	2,814	343	720.4%	3,092	-9.0%	9,838	4,325	127.5%
GOLD	OG3	3,813	702	443.2%	4,213	-9.5%	13,354	3,248	311.1%
GOLD	OG4	1,997	835	139.2%	1,260	58.5%	4,763	2,222	114.4%



## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME APR 2017	VOLUME APR 2016	% CHG	VOLUME MAR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Metals Options</b>									
GOLD	OG5	0	1,054	-100.0%	2,608	-100.0%	2,608	1,810	44.1%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	3,250	4,636	-29.9%	1,500	116.7%	7,832	31,031	-74.8%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	460	2,940	-84.4%	6,840	-93.3%	12,685	13,230	-4.1%
NYMEX PLATINUM	PO	2,595	4,210	-38.4%	1,212	114.1%	10,353	18,338	-43.5%
PALLADIUM	PAO	4,702	2,004	134.6%	2,095	124.4%	13,597	12,559	8.3%
SILVER	SO1	111	0	0.0%	28	296.4%	223	12	1,758.3%
SILVER	SO2	0	0	0.0%	98	-100.0%	140	1	13,900.0%
SILVER	SO3	0	0	0.0%	8	-100.0%	180	5	3,500.0%
SILVER	SO4	7	1	600.0%	5	40.0%	43	9	377.8%
SILVER	SO5	0	1	-100.0%	0	0.0%	0	6	-100.0%
<b>TOTAL FUTURES GROUP</b>									
Commodities and Alternative Investments Futures		24	262	-90.8%	35	-31.4%	95	1,478	-93.6%
Energy Futures		41,649,505	45,471,970	-8.4%	48,252,760	-13.7%	175,745,521	178,739,324	-1.7%
Metals Futures		9,497,037	8,391,646	13.2%	10,196,575	-6.9%	38,490,486	32,895,649	17.0%
<b>TOTAL FUTURES</b>		<b>51,146,566</b>	<b>53,863,878</b>	<b>-5.0%</b>	<b>58,449,370</b>	<b>-12.5%</b>	<b>214,236,102</b>	<b>211,636,451</b>	<b>1.2%</b>
<b>TOTAL OPTIONS GROUP</b>									
Energy Options		6,578,251	6,202,586	6.1%	8,334,353	-21.1%	27,096,093	27,511,673	-1.5%
Metals Options		923,845	845,812	9.2%	1,085,743	-14.9%	3,654,045	4,051,831	-9.8%
<b>TOTAL OPTIONS</b>		<b>7,502,096</b>	<b>7,048,398</b>	<b>6.4%</b>	<b>9,420,096</b>	<b>-20.4%</b>	<b>30,750,138</b>	<b>31,563,504</b>	<b>-2.6%</b>





## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME APR 2017	VOLUME APR 2016	% CHG	VOLUME MAR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>TOTAL COMBINED</b>								
Commodities and Alternative Investments	24	262	-90.8%	35	-31.4%	95	1,478	-93.6%
Energy	48,227,756	51,674,556	-6.7%	56,587,113	-14.8%	202,841,614	206,250,997	-1.7%
Metals	10,420,882	9,237,458	12.8%	11,282,318	-7.6%	42,144,531	36,947,480	14.1%
<b>GRAND TOTAL</b>	<b>58,648,662</b>	<b>60,912,276</b>	<b>-3.7%</b>	<b>67,869,466</b>	<b>-13.6%</b>	<b>244,986,240</b>	<b>243,199,955</b>	<b>0.7%</b>