

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2016	VOLUME AUG 2015	% CHG	VOLUME JUL 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
Commodities and Alternative Investments Futures									
COCOA TAS	CJ	517	216	139.4%	182	184.1%	2,034	877	131.9%
COFFEE	KT	6	88	-93.2%	6	0.0%	143	512	-72.1%
COTTON	TT	77	125	-38.4%	124	-37.9%	547	492	11.2%
SUGAR 11	YO	23	49	-53.1%	54	-57.4%	401	1,090	-63.2%
Energy Futures									
CRUDE OIL PHY	CL	23,050,506	19,196,995	20.1%	18,841,451	22.3%	178,061,170	133,905,878	33.0%
CRUDE OIL	WS	2,422	8,200	-70.5%	280	765.0%	78,675	149,002	-47.2%
MINY WTI CRUDE OIL	QM	268,400	228,055	17.7%	215,615	24.5%	2,314,208	2,278,548	1.6%
BRENT OIL LAST DAY	BZ	1,740,374	2,336,987	-25.5%	1,634,124	6.5%	15,959,798	18,250,648	-12.6%
HEATING OIL PHY	HO	3,454,972	3,254,177	6.2%	3,052,514	13.2%	26,081,420	24,331,266	7.2%
HTG OIL	BH	0	108	-100.0%	116	-100.0%	5,402	204	2,548.0%
MINY HTG OIL	QH	11	10	10.0%	21	-47.6%	83	69	20.3%
RBOB PHY	RB	4,134,378	3,736,859	10.6%	3,426,991	20.6%	30,272,118	27,645,433	9.5%
MINY RBOB GAS	QU	7	4	75.0%	3	133.3%	34	39	-12.8%
NATURAL GAS	HP	138,633	62,956	120.2%	148,041	-6.4%	1,007,524	593,571	69.7%
LTD NAT GAS	HH	231,365	253,036	-8.6%	176,514	31.1%	1,839,911	1,762,773	4.4%
MINY NATURAL GAS	QG	24,470	16,784	45.8%	24,762	-1.2%	198,581	225,056	-11.8%
PJM MONTHLY	JM	0	1,588	-100.0%	40	-100.0%	2,898	4,230	-31.5%
NATURAL GAS PHY	NG	8,506,938	6,457,975	31.7%	6,769,102	25.7%	60,717,661	54,259,133	11.9%
RBOB GAS	RT	1,532	1,032	48.4%	1,526	0.4%	10,433	9,130	14.3%
3.5% FUEL OIL CID MED SWA	7D	390	0	0.0%	121	222.3%	2,141	255	739.6%
3.5% FUEL OIL CIF BALMO S	8D	45	0	0.0%	0	0.0%	210	143	46.9%
AEP-DAYTON HUB DAILY	VD	0	0	0.0%	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	VM	0	20	-100.0%	240	-100.0%	240	542	-55.7%
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	0.0%	0	0.0%	0	942	-100.0%
ALGON CITY GATES NAT GAS	N7	240	0	0.0%	1,580	-84.8%	5,980	0	0.0%
ALGONQUIN CITYGATES BASIS	B4	487	240	102.9%	1,588	-69.3%	5,904	965	511.8%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	0	0.0%	0	2,140	-100.0%
ANR OKLAHOMA	NE	60	720	-91.7%	248	-75.8%	3,599	7,275	-50.5%
APPALACHIAN COAL (PHY)	QL	0	60	-100.0%	0	0.0%	130	2,322	-94.4%
ARGUS LLS VS. WTI (ARG) T	E5	12,620	7,288	73.2%	14,270	-11.6%	110,275	63,664	73.2%
ARGUS PROPAN FAR EST INDE	7E	1,146	406	182.3%	1,671	-31.4%	12,139	2,568	372.7%



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Energy Futures									
ARGUS PROPAN(SAUDI ARAMCO	9N	409	388	5.4%	719	-43.1%	7,317	3,828	91.1%
AUSTRIALIAN COKE COAL	ALW	243	76	219.7%	131	85.5%	3,116	1,677	85.8%
BRENT BALMO SWAP	J9	275	344	-20.1%	40	587.5%	1,085	4,424	-75.5%
BRENT CALENDAR SWAP	CY	843	3,302	-74.5%	2,919	-71.1%	17,760	51,218	-65.3%
BRENT CFD(PLATTS) VS FRNT	1C	0	0	0.0%	0	-	0	0	0.0%
BRENT CFD SWAP	6W	0	0	0.0%	0	0.0%	0	0	0.0%
BRENT FINANCIAL FUTURES	BB	65	300	-78.3%	260	-75.0%	2,152	61,769	-96.5%
BRENT FINANCIAL FUTURES	MBC	0	0	-	0	0.0%	1,424	0	-
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	105	-100.0%	413	330	25.2%
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%
CANADIAN LIGHT SWEET OIL	CIL	3,390	1,182	186.8%	90	3,666.7%	16,575	3,945	320.2%
CARBON EUA EMISSIONS EURO	RC	0	0	0.0%	0	-	0	0	0.0%
CENTERPOINT BASIS SWAP	PW	700	212	230.2%	906	-22.7%	10,650	18,370	-42.0%
CENTERPOINT EAST INDEX	II	0	0	0.0%	740	-100.0%	740	677	9.3%
CENTER POINT NAT GAS FIXED PRICE	DAC	0	0	0.0%	0	0.0%	0	32	-100.0%
CHICAGO ETHANOL SWAP	CU	114,091	77,810	46.6%	97,755	16.7%	788,712	725,980	8.6%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	769	76	911.8%	460	67.2%	2,606	3,066	-15.0%
CHICAGO UNL GAS PL VS RBO	3C	275	0	0.0%	0	0.0%	1,875	320	485.9%
CIG BASIS	CI	11,326	2,223	409.5%	5,386	110.3%	65,149	16,732	289.4%
CIG ROCKIES NG INDEX SWA	Z8	0	0	-	124	-100.0%	1,054	0	-
CINERGY HUB OFF-PEAK MONT	EJ	0	150	-100.0%	0	0.0%	60	390	-84.6%
CINERGY HUB PEAK MONTH	EM	0	40	-100.0%	0	0.0%	0	40	-100.0%
CIN HUB 5MW D AH O PK	K2	0	48,960	-100.0%	112,640	-100.0%	275,560	166,480	65.5%
CIN HUB 5MW D AH PK	H5	258	906	-71.5%	1,566	-83.5%	18,672	8,399	122.3%
CIN HUB 5MW REAL TIME O P	H4	0	97,760	-100.0%	168,360	-100.0%	966,584	321,952	200.2%
CIN HUB 5MW REAL TIME PK	H3	2,980	2,330	27.9%	4,350	-31.5%	63,436	4,475	1,317.6%
COAL SWAP	ACM	200	160	25.0%	60	233.3%	1,930	2,740	-29.6%
COAL SWAP	SSI	30	126	-76.2%	20	50.0%	187	2,557	-92.7%
COLUMB GULF MAINLINE NG B	5Z	4,835	1,888	156.1%	790	512.0%	19,803	21,433	-7.6%
COLUMBIA GULF MAIN NAT G	L2	0	0	0.0%	0	0.0%	2,208	620	256.1%
COLUMBIA GULF NAT GAS FIXED PRICE	DCE	0	0	0.0%	0	0.0%	0	488	-100.0%
COLUMBIA GULF ONSHORE	GL	0	0	0.0%	0	0.0%	3,108	2,716	14.4%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	0	116	-100.0%	93	-100.0%	1,278	546	134.1%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	510	558	-8.6%	30	1,600.0%	954	1,574	-39.4%

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Energy Futures									
CONWAY PROPANE 5 DECIMALS SWAP	8K	12,769	2,108	505.7%	6,048	111.1%	53,284	33,419	59.4%
CRUDE OIL	CHB	0	0	-	0	0.0%	60	0	-
CRUDE OIL	LPS	4,748	4,017	18.2%	4,700	1.0%	40,810	17,714	130.4%
CRUDE OIL LAST DAY	26	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	37	0	0	-	0	0.0%	0	0	-
CRUDE OIL OUTRIGHTS	42	108	969	-88.9%	180	-40.0%	731	11,082	-93.4%
CRUDE OIL OUTRIGHTS	CSW	540	0	-	0	-	540	0	-
CRUDE OIL OUTRIGHTS	DBL	0	1,175	-100.0%	0	0.0%	450	26,587	-98.3%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0.0%	0	235	-100.0%
CRUDE OIL OUTRIGHTS	GSW	60	0	-	30	100.0%	90	0	-
CRUDE OIL OUTRIGHTS	HTT	5,201	0	-	5,250	-0.9%	14,513	0	-
CRUDE OIL OUTRIGHTS	WCC	7,350	12,932	-43.2%	1,180	522.9%	40,889	45,568	-10.3%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL SPRDS	38	100	300	-66.7%	0	0.0%	425	300	41.7%
CRUDE OIL SPRDS	KE	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL SPRDS	WTT	5,300	0	0.0%	6,435	-17.6%	20,942	1,415	1,380.0%
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%	2,720	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	23,657	-100.0%
DATED TO FRONTLINE BRENT	FY	750	175	328.6%	1,550	-51.6%	12,010	23,571	-49.0%
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	0.0%	800	0	0.0%
DIESEL 10P BRG FOB RDM VS	7X	115	0	0.0%	0	0.0%	125	10	1,150.0%
DIESEL 10PPM BARGES FOB B	U7	0	0	0.0%	0	-	0	0	0.0%
DIESEL10PPM BARG VS ICE LS	LSE	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
DLY GAS EURO-BOB OXY	GBR	0	0	-	60	-100.0%	60	0	-
DOMINION TRAN INC - APP I	IH	0	0	-	0	0.0%	17,107	0	-
DOMINION TRANSMISSION INC	PG	19,630	2,526	677.1%	8,824	122.5%	152,263	34,379	342.9%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	275	-100.0%	275	100	175.0%
DUBAI CRUDE OIL CALENDAR	DC	2,486	3,998	-37.8%	2,875	-13.5%	11,966	28,653	-58.2%
DY EURO 3.5% FUEL OI RDA	FOR	0	840	-100.0%	0	0.0%	0	840	-100.0%
EASTERN RAIL DELIVERY CSX	QX	825	1,746	-52.7%	1,310	-37.0%	9,702	35,596	-72.7%
EAST/WEST FUEL OIL SPREAD	EW	50	135	-63.0%	75	-33.3%	236	2,283	-89.7%
EIA FLAT TAX ONHWAY DIESE	A5	1,136	377	201.3%	1,192	-4.7%	9,228	6,976	32.3%
ELEC ERCOT DLY OFF PK	R4	0	0	-	0	0.0%	0	0	-
ELEC ERCOT DLY PEAK	I7	0	0	-	0	0.0%	0	0	-
ELEC ERCOT DLY PEAK	I9	0	0	0.0%	0	-	0	0	0.0%
ELEC ERCOT DLY PEAK	N1	0	0	0.0%	0	0.0%	0	965	-100.0%
ELEC ERCOT DLY PEAK	R1	0	0	-	0	0.0%	0	0	-
ELEC ERCOT OFF PEAK	ERU	0	0	0.0%	0	-	0	0	0.0%
ELEC ERCOT OFF PEAK	O1	0	0	0.0%	0	0.0%	0	17,565	-100.0%
ELEC FINSETTLED	47	0	0	0.0%	0	0.0%	1,270	0	0.0%
ELEC FINSETTLED	49	0	0	-	0	0.0%	0	0	-
ELEC MISO PEAK	4L	0	320	-100.0%	0	0.0%	0	320	-100.0%
ELEC MISO PEAK	55	0	0	0.0%	0	0.0%	0	510	-100.0%
ELEC NYISO OFF-PEAK	4M	0	5,796	-100.0%	0	0.0%	0	5,796	-100.0%
ELEC NYISO OFF-PEAK	58	0	0	0.0%	0	0.0%	0	9,408	-100.0%
ELECTRICITY ERCOT PEAK	ERE	0	0	0.0%	0	-	0	0	0.0%
ELECTRICITY OFF PEAK	46	0	0	0.0%	0	0.0%	23,480	0	0.0%
ELECTRICITY OFF PEAK	4P	0	0	0.0%	0	0.0%	0	11,680	-100.0%
ELECTRICITY OFF PEAK	50	0	0	-	0	0.0%	0	0	-
EL PASO PERMIAN INDEX SWA	IL	0	0	-	620	-100.0%	1,612	0	-
EMMISSIONS	CPL	0	0	0.0%	0	0.0%	0	250	-100.0%
ERCOT NORTH ZMCPPE 5MW OFFPEAK	I8	0	0	-	0	0.0%	0	0	-
ERCOT NORTH ZMCPPE 5MW OFFPEAK SWAP	I6	0	6,528	-100.0%	0	0.0%	4,280	24,093	-82.2%
ERCOT NORTH ZMCPPE 5MW PEAK	I5	0	0	0.0%	0	0.0%	235	2,591	-90.9%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	2,145	1,551	38.3%	1,401	53.1%	17,118	23,045	-25.7%
EU LOW SULPHUR GASOIL CRACK	LSC	0	0	0.0%	0	0.0%	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	KX	0	3	-100.0%	0	0.0%	210	38	452.6%
EURO 3.5% FUEL OIL M CRK	FL	0	0	0.0%	0	-	0	0	0.0%
EURO 3.5% FUEL OIL RDAM B	KR	359	791	-54.6%	182	97.3%	2,480	5,158	-51.9%



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Energy Futures									
EURO 3.5% FUEL OIL SPREAD	FK	592	390	51.8%	330	79.4%	4,558	8,230	-44.6%
EURO-DENOMINATED PETRO PROD	IBE	0	0	0.0%	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO PROD	MFE	0	0	0.0%	0	-	0	0	0.0%
EURO-DENOMINATED PETRO PROD	NCP	0	0	0.0%	88	-100.0%	158	2,427	-93.5%
EURO GASOIL 10 CAL SWAP	GT	0	0	0.0%	0	0.0%	3	6	-50.0%
EURO GASOIL 10PPM VS ICE	ET	142	57	149.1%	75	89.3%	592	296	100.0%
EUROPE 1% FUEL OIL NWE CA	UF	3	185	-98.4%	565	-99.5%	1,345	1,372	-2.0%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	10	-100.0%	124	160	-22.5%
EUROPE 3.5% FUEL OIL MED	UI	460	0	0.0%	247	86.2%	2,979	607	390.8%
EUROPE 3.5% FUEL OIL RDAM	UV	4,841	7,433	-34.9%	5,762	-16.0%	50,842	76,354	-33.4%
EUROPEAN GASOIL (ICE)	7F	7,291	17,082	-57.3%	11,509	-36.6%	1,538,501	91,113	1,588.6%
EUROPEAN NAPHTHA BALMO	KZ	145	60	141.7%	133	9.0%	1,176	703	67.3%
EUROPEAN NAPHTHA CRACK SPR	EN	4,815	3,794	26.9%	4,627	4.1%	36,640	65,088	-43.7%
EUROPE DATED BRENT SWAP	UB	0	8,230	-100.0%	3,100	-100.0%	25,958	32,105	-19.1%
EUROPE JET KERO NWE CALSW	UJ	0	10	-100.0%	0	0.0%	38	494	-92.3%
EUROPE NAPHTHA CALSWAP	UN	1,856	768	141.7%	2,004	-7.4%	11,224	11,974	-6.3%
EURO PROPANE CIF ARA SWA	PS	1,148	215	434.0%	1,239	-7.3%	9,553	2,678	256.7%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	-	0	0.0%	8,310	0	-
FLORIDA GAS ZONE3 BASIS S	FP	3,352	488	586.9%	789	324.8%	5,449	12,534	-56.5%
FREIGHT MARKETS	FLP	41	171	-76.0%	24	70.8%	1,509	333	353.2%
FREIGHT MARKETS	FRC	0	0	0.0%	0	-	0	0	0.0%
FUEL OIL CRACK VS ICE	FO	4,793	3,904	22.8%	5,217	-8.1%	33,555	28,607	17.3%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	32	306	-89.5%
FUEL OIL (PLATS) CAR CM	1W	25	93	-73.1%	930	-97.3%	1,116	264	322.7%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0.0%	54	140	-61.4%
FUELOIL SWAP: CARGOES VS.B	FS	86	184	-53.3%	187	-54.0%	2,815	3,682	-23.5%
GAS EURO-BOB OXY NWE BARGES	7H	5,734	4,694	22.2%	4,784	19.9%	56,009	62,069	-9.8%
GAS EURO-BOB OXY NWE BARGES CRK	7K	11,788	10,166	16.0%	11,803	-0.1%	111,704	148,052	-24.6%
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	0.0%	0	0.0%	6	1	500.0%
GASOIL 0.1 CARGOES CIF NE	TW	0	0	0.0%	0	0.0%	0	10	-100.0%
GASOIL 0.1 CIF MED BALMO	X6	0	0	0.0%	0	0.0%	0	5	-100.0%
GASOIL 0.1 CIF MED SWAP	Z4	0	0	-	0	0.0%	75	0	-
GASOIL 0.1CIF MED VS ICE	Z5	10	0	0.0%	40	-75.0%	130	71	83.1%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	0.0%	0	0.0%	0	266	-100.0%
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	0.0%	0	0.0%	5	0	0.0%
GASOIL 0.1 CRG CIF NW VS	4V	0	0	0.0%	0	0.0%	5	10	-50.0%

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NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2016	VOLUME AUG 2015	% CHG	VOLUME JUL 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
Energy Futures									
GASOIL 0.1 RDAM BRGS VS I	WQ	0	12	-100.0%	5	-100.0%	60	62	-3.2%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0.0%	0	10	-100.0%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	0.0%	10	50	-80.0%
GASOIL 10PPM CARGOES CIF	TY	0	0	0.0%	0	0.0%	3	0	0.0%
GASOIL 10PPM VS ICE SWAP	TP	212	40	430.0%	60	253.3%	700	1,292	-45.8%
GASOIL BULLET SWAP	BG	0	0	0.0%	0	-	0	0	0.0%
GASOIL CALENDAR SWAP	GX	15	6	150.0%	46	-67.4%	305	185	64.9%
GASOIL CRACK SPREAD CALEN	GZ	5,900	1,080	446.3%	7,971	-26.0%	42,532	32,581	30.5%
GASOIL MINI CALENDAR SWAP	QA	216	228	-5.3%	141	53.2%	2,054	2,245	-8.5%
GASOLINE UP-DOWN (ARGUS)	UZ	0	0	0.0%	0	-	0	0	0.0%
GASOLINE UP-DOWN BALMO SW	1K	0	0	0.0%	0	0.0%	810	4,860	-83.3%
GC ULSD VS GC JET SPREAD	VV	0	0	0.0%	0	0.0%	0	0	0.0%
GROUP THREE ULSD (PLATTS)	A7	300	0	0.0%	0	0.0%	300	200	50.0%
GRP THREE ULSD(PLT)VS HEA	A6	4,695	3,636	29.1%	3,780	24.2%	22,038	30,705	-28.2%
GRP THREE UNL GS (PLT) VS	A8	2,040	2,160	-5.6%	1,650	23.6%	11,555	12,147	-4.9%
GULF COAST 3% FUEL OIL BA	VZ	285	1,007	-71.7%	262	8.8%	5,654	9,323	-39.4%
GULF COAST GASOLINE CLNDR	GS	0	1,000	-100.0%	0	0.0%	1,300	5,365	-75.8%
GULF COAST JET FUEL CLNDR	GE	40	0	0.0%	192	-79.2%	1,173	2,837	-58.7%
GULF COAST JET VS NYM 2 H	ME	34,659	22,767	52.2%	29,266	18.4%	262,134	171,487	52.9%
GULF COAST NO.6 FUEL OIL	MF	56,681	61,016	-7.1%	59,472	-4.7%	460,410	589,975	-22.0%
GULF COAST NO.6 FUEL OIL	MG	150	1,458	-89.7%	300	-50.0%	5,584	15,581	-64.2%
GULF COAST ULSD CALENDAR	LY	1,132	418	170.8%	1,232	-8.1%	7,334	6,401	14.6%
GULF COAST ULSD CRACK SPR	GY	150	0	0.0%	75	100.0%	6,156	2,450	151.3%
HEATING OIL BALMO CLNDR S	1G	15	0	0.0%	25	-40.0%	335	365	-8.2%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	0.0%	20	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	0.0%
HENRY HUB BASIS SWAP	HB	19,207	9,706	97.9%	16,538	16.1%	174,624	92,235	89.3%
HENRY HUB INDEX SWAP FUTU	IN	12,681	9,706	30.7%	15,594	-18.7%	159,636	69,175	130.8%
HENRY HUB SWAP	NN	380,709	400,399	-4.9%	257,428	47.9%	3,453,563	3,570,877	-3.3%
HENRY HUB SWING FUTURE	SN	0	1,200	-100.0%	0	0.0%	290	1,200	-75.8%
HOUSTON SHIP CHANNEL BASI	NH	1,596	5,640	-71.7%	1,860	-14.2%	26,264	32,789	-19.9%
HOUSTON SHIP CHANNEL INDE	IP	0	0	0.0%	186	-100.0%	186	180	3.3%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	0.0%	0	0.0%	0	4,073	-100.0%
ICE BRENT DUBAI SWAP	DB	100	60	66.7%	0	0.0%	110	8,060	-98.6%
ICE GASOIL BALMO SWAP	U9	0	0	0.0%	0	-	0	0	0.0%

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NYMEX/COMEX Exchange Volume Report - Monthly

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Energy Futures									
IN DELIVERY MONTH EUA	6T	0	3,100	-100.0%	350	-100.0%	26,201	94,613	-72.3%
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	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%	112	0	0.0%
INDIANA MISO	PDM	0	0	0.0%	0	0.0%	0	2,240	-100.0%
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	35	60	-41.7%	15	133.3%	205	1,390	-85.3%
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%	20	0	0.0%
JAPAN C&F NAPHTHA CRACK S	JB	657	1,044	-37.1%	513	28.1%	3,423	2,203	55.4%
JAPAN C&F NAPHTHA SWAP	JA	1,850	956	93.5%	1,055	75.4%	10,076	8,407	19.9%
JAPAN NAPHTHA BALMO SWAP	E6	75	25	200.0%	5	1,400.0%	370	432	-14.4%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	45	5	800.0%	32	40.6%	157	213	-26.3%
JET BARGES VS ICE GASOIL	JR	0	0	0.0%	0	0.0%	22	15	46.7%
JET CIF NWE VS ICE	JC	62	46	34.8%	82	-24.4%	760	1,044	-27.2%
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	0.0%	2	10	-80.0%
JET FUEL CARGOES CIF NEW	F3	0	0	0.0%	0	-	0	0	0.0%
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	0	0.0%	30	17	76.5%
JET FUEL UP-DOWN BALMO CL	1M	7,525	825	812.1%	1,365	451.3%	29,112	18,438	57.9%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	0.0%	0	78	-100.0%
LA CARB DIESEL (OPIS) SWA	KL	1,245	650	91.5%	190	555.3%	6,327	6,039	4.8%
LA CARBOB GASOLINE(OPIS)S	JL	325	225	44.4%	325	0.0%	5,900	4,350	35.6%
LA JET FUEL VS NYM NO 2 H	MQ	25	50	-50.0%	15	66.7%	800	220	263.6%
LA JET (OPIS) SWAP	JS	3,640	975	273.3%	1,625	124.0%	16,612	7,770	113.8%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	0.0%	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	7,975	11,017	-27.6%	5,808	37.3%	55,938	72,671	-23.0%
MARS (ARGUS) VS WTI SWAP	YX	1,090	7,436	-85.3%	805	35.4%	34,218	45,418	-24.7%
MARS (ARGUS) VS WTI TRD M	YV	20,163	3,299	511.2%	11,045	82.6%	86,867	12,900	573.4%
MARS BLEND CRUDE OIL	MB	560	0	-	3,450	-83.8%	15,524	0	-
MCCLOSKEY ARA ARGS COAL	MTF	100,726	248,048	-59.4%	118,648	-15.1%	1,407,027	1,278,931	10.0%
MCCLOSKEY RCH BAY COAL	MFF	10,810	15,467	-30.1%	6,187	74.7%	146,752	163,928	-10.5%
MGF FUT	MGF	0	0	0.0%	0	0.0%	100	16	525.0%
MGN1 SWAP FUT	MGN	75	206	-63.6%	75	0.0%	1,038	1,166	-11.0%



NYMEX/COMEX Exchange Volume Report - Monthly

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Energy Futures									
MICHCON NG INDEX SWAP	Y8	0	0	-	1,840	-100.0%	1,840	0	-
MICHIGAN BASIS	NF	1,455	1,284	13.3%	1,845	-21.1%	16,764	2,922	473.7%
MICHIGAN HUB OFF-PEAK MON	HJ	0	0	0.0%	0	-	0	0	0.0%
MICHIGAN HUB PEAK MONTH S	HM	0	0	0.0%	0	-	0	0	0.0%
MICHIGAN MISO	HMO	0	3,920	-100.0%	0	0.0%	127,640	121,440	5.1%
MICHIGAN MISO	HMW	0	430	-100.0%	0	0.0%	7,240	6,795	6.5%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	859	216	297.7%	351	144.7%	3,439	2,900	18.6%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	100	170	-41.2%	200	-50.0%	996	3,810	-73.9%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	1,845	440	319.3%	1,014	82.0%	9,593	5,515	73.9%
MISO 5MW OFF PEAK	4R	0	0	0.0%	0	-	0	0	0.0%
MISO 5MW PEAK	4Q	0	0	0.0%	0	-	0	0	0.0%
MJB FUT	MJB	0	0	0.0%	0	0.0%	0	10	-100.0%
MJC FUT	MJC	144	0	0.0%	172	-16.3%	765	520	47.1%
MNC FUT	MNC	3,709	3,870	-4.2%	5,934	-37.5%	31,972	34,906	-8.4%
MONT BELVIEU ETHANE 5 DECIMAL	C0	50,923	7,762	556.1%	33,599	51.6%	323,821	50,845	536.9%
MONT BELVIEU ETHANE OPIS BALMO	8C	165	90	83.3%	110	50.0%	815	2,425	-66.4%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	139,603	39,505	253.4%	141,588	-1.4%	907,133	320,004	183.5%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	871	124	602.4%	875	-0.5%	6,787	5,633	20.5%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	7,115	3,236	119.9%	7,291	-2.4%	67,759	46,235	46.6%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	251	230	9.1%	82	206.1%	1,661	3,603	-53.9%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	28,738	14,574	97.2%	26,064	10.3%	191,349	120,653	58.6%
MONT BELVIEU NORMAL BUTANE BALMO	8J	566	300	88.7%	656	-13.7%	5,541	3,808	45.5%
NAT GAS BASIS SWAP	SGW	0	0	0.0%	0	0.0%	0	40	-100.0%
NAT GAS BASIS SWAP	TZ6	6,623	1,284	415.8%	793	735.2%	29,619	3,100	855.5%
NATURAL GAS	XAC	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS	XSC	0	0	-	0	0.0%	0	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	CFS	0	0	0.0%	0	0.0%	0	3,416	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	0	0	0.0%	0	0.0%	0	6,452	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	0	0	0.0%	0	0.0%	0	1,464	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	0	0	0.0%	0	0.0%	0	496	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	0	0	0.0%	0	0.0%	0	572	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	Z5P	0	0	0.0%	0	0.0%	0	448	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	0	0	0.0%	0	0.0%	0	84	-100.0%
NATURAL GAS INDEX	TZI	0	0	0.0%	1,712	-100.0%	6,702	0	0.0%
NATURAL GAS PEN SWP	NP	116,839	89,774	30.1%	123,511	-5.4%	901,318	1,553,125	-42.0%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0.0%	11,925	0	0.0%

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Energy Futures									
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0.0%	635	0	0.0%
NEPOOL INTR HUB 5MW D AH	H2	289,912	78,200	270.7%	37,440	674.3%	454,549	169,242	168.6%
NEPOOL INTR HUB 5MW D AH	U6	16,702	4,400	279.6%	2,040	718.7%	32,410	10,680	203.5%
NEPOOL MAINE 5MW D AH O E	W2	0	0	0.0%	0	-	0	0	0.0%
NEPOOL MAINE 5MW D AH PK	P9	0	0	0.0%	0	-	0	0	0.0%
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	0	0.0%	0	3,920	-100.0%
NEPOOL NE MASS 5MW D AH P	P7	0	0	0.0%	0	0.0%	640	1,385	-53.8%
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	1,980	-100.0%	0	0.0%	0	5,961	-100.0%
NEPOOL RHODE IL 5MW D AH	U5	0	0	0.0%	0	0.0%	0	47,245	-100.0%
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%	4,000	28,848	-86.1%
NEPOOL W CNTR M 5MW D AH	R6	0	420	-100.0%	0	0.0%	1,685	840	100.6%
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	825	790	4.4%	750	10.0%	12,125	8,290	46.3%
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	JN	0	0	0.0%	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	NL	1,208	1,808	-33.2%	3,393	-64.4%	26,577	37,573	-29.3%
NGPL MIDCONTINENT INDEX	IW	0	120	-100.0%	620	-100.0%	7,227	300	2,309.0%
NGPL MIDCONTINENT SWING S	PX	0	0	-	0	0.0%	620	0	-
NGPL TEX/OK	PD	1,980	3,008	-34.2%	1,100	80.0%	24,604	69,603	-64.7%
NGPL TEXOK INDEX	OI	300	480	-37.5%	0	0.0%	360	666	-45.9%
NGPL TEXOK SWING SWAP	OX	0	0	0.0%	0	-	0	0	0.0%
N ILLINOIS HUB DAILY	UD	0	0	-	0	0.0%	0	0	-
N ILLINOIS HUB MTHLY	UM	0	40	-100.0%	0	0.0%	0	70	-100.0%
NO 2 UP-DOWN SPREAD CALEN	UT	0	100	-100.0%	187	-100.0%	2,562	2,909	-11.9%
NORTHERN NATURAL GAS DEMAR	PE	578	1,644	-64.8%	0	0.0%	2,173	4,077	-46.7%
NORTHERN NATURAL GAS VENTU	PF	224	212	5.7%	1,235	-81.9%	7,251	4,504	61.0%
NORTHERN ILLINOIS OFF-PEA	UO	0	40	-100.0%	0	0.0%	0	102	-100.0%
NORTHWEST ROCKIES BASIS S	NR	7,813	15,809	-50.6%	6,806	14.8%	135,614	65,417	107.3%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0.0%	0	991	-100.0%
NY1% VS GC SPREAD SWAP	VR	2,275	950	139.5%	2,814	-19.2%	18,272	17,131	6.7%
NY 2.2% FUEL OIL (PLATTS	Y3	80	185	-56.8%	0	0.0%	489	310	57.7%
NY 3.0% FUEL OIL (PLATTS	H1	300	300	0.0%	75	300.0%	1,475	2,395	-38.4%

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Energy Futures									
NY HARBOR 1% FUEL OIL BAL	VK	71	0	0.0%	0	0.0%	101	259	-61.0%
NY HARBOR HEAT OIL SWP	MP	1,788	4,730	-62.2%	1,947	-8.2%	20,237	39,195	-48.4%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	305	0	0.0%	295	3.4%	4,856	4,042	20.1%
NY HARBOR LOW SULPUR GASOIL 1000MT	SLS	0	0	0.0%	0	-	0	0	0.0%
NY HARBOR RESIDUAL FUEL 1	MM	3,098	7,159	-56.7%	1,834	68.9%	27,576	38,954	-29.2%
NY HARBOR RESIDUAL FUEL C	ML	0	0	0.0%	0	0.0%	0	100	-100.0%
NYH NO 2 CRACK SPREAD CAL	HK	3,035	1,541	97.0%	742	309.0%	14,720	17,090	-13.9%
NY H OIL PLATTS VS NYMEX	YH	0	0	0.0%	0	0.0%	0	976	-100.0%
NYISO A	KA	0	0	0.0%	0	0.0%	0	982	-100.0%
NYISO A OFF-PEAK	KB	0	0	0.0%	0	0.0%	0	440	-100.0%
NYISO CAPACITY	LHV	54	0	-	42	28.6%	168	0	-
NYISO CAPACITY	NNC	90	300	-70.0%	90	0.0%	1,377	1,922	-28.4%
NYISO CAPACITY	NRS	97	788	-87.7%	72	34.7%	1,977	3,572	-44.7%
NYISO G	KG	0	0	0.0%	0	0.0%	0	321	-100.0%
NYISO G OFF-PEAK	KH	0	0	0.0%	0	0.0%	0	150	-100.0%
NYISO J	KJ	0	469	-100.0%	0	0.0%	172	2,264	-92.4%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0.0%	80	540	-85.2%
NYISO ZONE A 5MW D AH O P	K4	7,925	23,192	-65.8%	0	0.0%	239,365	307,928	-22.3%
NYISO ZONE A 5MW D AH PK	K3	2,960	1,280	131.3%	0	0.0%	3,600	8,725	-58.7%
NYISO ZONE C 5MW D AH O P	A3	0	0	0.0%	0	0.0%	54,290	0	0.0%
NYISO ZONE C 5MW D AH PK	Q5	0	0	0.0%	0	0.0%	1,512	0	0.0%
NYISO ZONE G 5MW D AH O P	D2	20,546	4,704	336.8%	79,560	-74.2%	384,706	86,824	343.1%
NYISO ZONE G 5MW D AH PK	T3	5,334	6,630	-19.5%	3,060	74.3%	30,423	22,450	35.5%
NYISO ZONE J 5MW D AH O P	D4	0	20,874	-100.0%	0	0.0%	102,952	56,034	83.7%
NYISO ZONE J 5MW D AH PK	D3	840	1,152	-27.1%	0	0.0%	8,607	6,267	37.3%
NY JET FUEL (ARGUS) VS HEATING OIL	5U	0	0	0.0%	0	-	0	0	0.0%
NY JET FUEL (PLATTS) HEAT OIL SWAP	1U	0	0	0.0%	0	0.0%	0	1,735	-100.0%
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	1,113	-100.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	1,166	358	225.7%	236	394.1%	4,110	20,162	-79.6%
ONEOK OKLAHOMA NG BASIS	8X	120	366	-67.2%	0	0.0%	1,065	2,261	-52.9%
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0.0%	160	0	0.0%
ONTARIO POWER SWAPS	OFM	0	0	0.0%	0	0.0%	3,750	141,040	-97.3%
ONTARIO POWER SWAPS	OPD	110	70	57.1%	30	266.7%	355	150	136.7%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0.0%	440	7,890	-94.4%
PANHANDLE BASIS SWAP FUTU	PH	10,118	10,313	-1.9%	8,243	22.7%	69,722	97,308	-28.3%



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2016	VOLUME AUG 2015	% CHG	VOLUME JUL 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
Energy Futures									
PANHANDLE INDEX SWAP FUTU	IV	0	1,770	-100.0%	0	0.0%	2,480	1,770	40.1%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0.0%	0	314	-100.0%
PERMIAN BASIS SWAP	PM	2,639	2,226	18.6%	3,720	-29.1%	28,861	10,310	179.9%
PETROCHEMICALS	22	25	10	150.0%	15	66.7%	394	171	130.4%
PETROCHEMICALS	32	38	27	40.7%	45	-15.6%	419	339	23.6%
PETROCHEMICALS	51	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	81	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	8I	190	26	630.8%	109	74.3%	1,356	3,741	-63.8%
PETROCHEMICALS	91	145	5	2,800.0%	181	-19.9%	1,364	213	540.4%
PETROCHEMICALS	HPE	0	0	0.0%	0	0.0%	48	58	-17.2%
PETROCHEMICALS	LPE	0	0	0.0%	0	0.0%	0	76	-100.0%
PETROCHEMICALS	MAC	0	0	-	0	0.0%	110	0	-
PETROCHEMICALS	MAE	30	0	0.0%	90	-66.7%	385	200	92.5%
PETROCHEMICALS	MAS	20	20	0.0%	65	-69.2%	930	260	257.7%
PETROCHEMICALS	MBE	2,840	1,515	87.5%	4,115	-31.0%	22,275	11,505	93.6%
PETROCHEMICALS	MNB	3,424	1,060	223.0%	1,924	78.0%	16,850	12,342	36.5%
PETRO CRCKS & SPRDS ASIA	STI	0	300	-100.0%	0	0.0%	1,050	300	250.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0.0%	64	430	-85.1%
PETRO CRCKS & SPRDS ASIA	STS	80	128	-37.5%	0	0.0%	80	218	-63.3%
PETRO CRCKS & SPRDS NA	CBA	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	CRB	86	80	7.5%	420	-79.5%	999	2,428	-58.9%
PETRO CRCKS & SPRDS NA	EXR	1,385	917	51.0%	963	43.8%	11,096	9,852	12.6%
PETRO CRCKS & SPRDS NA	FOC	1,755	525	234.3%	1,825	-3.8%	7,855	3,590	118.8%
PETRO CRCKS & SPRDS NA	GBB	365	0	0.0%	30	1,116.7%	1,525	50	2,950.0%
PETRO CRCKS & SPRDS NA	GCC	100	0	-	100	0.0%	1,525	0	-
PETRO CRCKS & SPRDS NA	GCI	1,571	1,170	34.3%	2,397	-34.5%	8,105	9,744	-16.8%
PETRO CRCKS & SPRDS NA	GCM	10	0	-	21	-52.4%	66	0	-
PETRO CRCKS & SPRDS NA	GCU	6,618	8,124	-18.5%	6,243	6.0%	58,954	104,365	-43.5%
PETRO CRCKS & SPRDS NA	GFC	25	0	0.0%	104	-76.0%	129	100	29.0%
PETRO CRCKS & SPRDS NA	HOB	2,847	3,380	-15.8%	4,135	-31.1%	32,429	32,018	1.3%
PETRO CRCKS & SPRDS NA	KSD	0	240	-100.0%	0	0.0%	0	390	-100.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	0.0%	30	0	-
PETRO CRCKS & SPRDS NA	NFC	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	NFG	268	50	436.0%	0	0.0%	788	200	294.0%
PETRO CRCKS & SPRDS NA	NYF	300	525	-42.9%	0	0.0%	475	1,800	-73.6%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	0.0%	300	0	0.0%

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NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2016	VOLUME AUG 2015	% CHG	VOLUME JUL 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
Energy Futures									
PETRO CRCKS & SPRDS NA	RBB	10,490	6,113	71.6%	9,181	14.3%	76,455	89,770	-14.8%
PETRO CRCKS & SPRDS NA	RVG	14,247	0	0.0%	8,060	76.8%	64,617	2,215	2,817.2%
PETRO CRCKS & SPRDS NA	SF3	0	0	-	0	0.0%	34	0	-
PETRO CRK&SPRD EURO	1NB	1,882	614	206.5%	1,272	48.0%	13,800	13,248	4.2%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO CRK&SPRD EURO	43	289	491	-41.1%	45	542.2%	1,265	3,323	-61.9%
PETRO CRK&SPRD EURO	BFR	0	90	-100.0%	0	0.0%	0	170	-100.0%
PETRO CRK&SPRD EURO	BOB	1,694	1,154	46.8%	1,188	42.6%	15,730	12,984	21.1%
PETRO CRK&SPRD EURO	EBF	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	EOB	0	10	-100.0%	0	0.0%	91	303	-70.0%
PETRO CRK&SPRD EURO	EPN	358	66	442.4%	122	193.4%	1,918	363	428.4%
PETRO CRK&SPRD EURO	EVC	1,489	1,905	-21.8%	1,030	44.6%	11,468	13,779	-16.8%
PETRO CRK&SPRD EURO	FBT	20	0	0.0%	100	-80.0%	480	360	33.3%
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0.0%	0	20	-100.0%
PETRO CRK&SPRD EURO	GCB	25	150	-83.3%	0	0.0%	785	1,158	-32.2%
PETRO CRK&SPRD EURO	GOC	0	24	-100.0%	0	0.0%	69	596	-88.4%
PETRO CRK&SPRD EURO	GRB	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	GRS	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	LSU	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	MGB	0	48	-100.0%	0	0.0%	0	424	-100.0%
PETRO CRK&SPRD EURO	MUD	321	56	473.2%	116	176.7%	1,065	510	108.8%
PETRO CRK&SPRD EURO	NBB	55	0	0.0%	23	139.1%	178	56	217.9%
PETRO CRK&SPRD EURO	NOB	630	192	228.1%	827	-23.8%	3,449	1,276	170.3%
PETRO CRK&SPRD EURO	NYG	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0.0%	105	15	600.0%
PETRO CRK&SPRD EURO	SFC	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	D43	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D44	0	0	0.0%	0	0.0%	0	34	-100.0%
PETROLEUM PRODUCTS	D45	0	0	0.0%	0	0.0%	0	28	-100.0%
PETROLEUM PRODUCTS	D46	0	0	-	0	0.0%	30	0	-
PETROLEUM PRODUCTS	D63	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D64	0	0	0.0%	0	0.0%	0	209	-100.0%
PETROLEUM PRODUCTS	D65	0	0	0.0%	0	0.0%	0	140	-100.0%
PETROLEUM PRODUCTS	EWB	0	15	-100.0%	0	0.0%	0	25	-100.0%
PETROLEUM PRODUCTS	EWG	2,233	0	0.0%	1,524	46.5%	4,307	6	71,683.3%
PETROLEUM PRODUCTS	MBS	20	0	-	0	0.0%	551	0	-

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2016	VOLUME AUG 2015	% CHG	VOLUME JUL 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
Energy Futures									
PETROLEUM PRODUCTS	MHE	0	0	-	0	0.0%	30	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	0.0%	1,363	0	-
PETROLEUM PRODUCTS	RMG	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	RMK	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS ASIA	E6M	0	179	-100.0%	0	0.0%	427	736	-42.0%
PETROLEUM PRODUCTS ASIA	MJN	1,130	2,084	-45.8%	1,780	-36.5%	10,245	14,125	-27.5%
PETRO OUTRIGHT EURO	0A	0	10	-100.0%	0	0.0%	0	70	-100.0%
PETRO OUTRIGHT EURO	0B	50	30	66.7%	420	-88.1%	1,300	744	74.7%
PETRO OUTRIGHT EURO	0C	55	15	266.7%	0	0.0%	161	15	973.3%
PETRO OUTRIGHT EURO	0D	3,036	4,215	-28.0%	2,271	33.7%	32,662	31,875	2.5%
PETRO OUTRIGHT EURO	0E	989	561	76.3%	728	35.9%	6,867	3,480	97.3%
PETRO OUTRIGHT EURO	0F	1,369	570	140.2%	1,251	9.4%	9,371	7,437	26.0%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0.0%	20	85	-76.5%
PETRO OUTRIGHT EURO	33	0	0	0.0%	15	-100.0%	219	543	-59.7%
PETRO OUTRIGHT EURO	59	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	5L	65	42	54.8%	597	-89.1%	1,542	985	56.5%
PETRO OUTRIGHT EURO	63	155	97	59.8%	130	19.2%	1,032	786	31.3%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0.0%	0	16	-100.0%
PETRO OUTRIGHT EURO	7I	17	10	70.0%	506	-96.6%	1,290	1,420	-9.2%
PETRO OUTRIGHT EURO	7P	0	0	0.0%	0	0.0%	0	40	-100.0%
PETRO OUTRIGHT EURO	7R	208	267	-22.1%	401	-48.1%	2,118	2,499	-15.2%
PETRO OUTRIGHT EURO	88	0	55	-100.0%	0	0.0%	55	213	-74.2%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0.0%	6	30	-80.0%
PETRO OUTRIGHT EURO	CPB	589	5	11,680.0%	15	3,826.7%	893	338	164.2%
PETRO OUTRIGHT EURO	EFF	55	0	0.0%	0	0.0%	416	159	161.6%
PETRO OUTRIGHT EURO	EFM	25	57	-56.1%	525	-95.2%	640	437	46.5%
PETRO OUTRIGHT EURO	ENS	70	0	0.0%	405	-82.7%	1,068	445	140.0%
PETRO OUTRIGHT EURO	EWN	229	10	2,190.0%	300	-23.7%	1,469	731	101.0%
PETRO OUTRIGHT EURO	FBD	0	10	-100.0%	20	-100.0%	20	111	-82.0%
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0.0%	84	155	-45.8%
PETRO OUTRIGHT EURO	MBN	2,160	2,148	0.6%	1,465	47.4%	11,687	8,257	41.5%
PETRO OUTRIGHT EURO	RBF	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	SMU	200	0	0.0%	0	0.0%	240	600	-60.0%
PETRO OUTRIGHT EURO	T0	0	111	-100.0%	0	0.0%	368	1,768	-79.2%
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	400	-100.0%	490	1,550	-68.4%



NYMEX/COMEX Exchange Volume Report - Monthly

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Energy Futures									
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0.0%	0	2,304	-100.0%
PETRO OUTRIGHT EURO	W0	0	0	0.0%	0	0.0%	50	0	0.0%
PETRO OUTRIGHT EURO	X0	0	0	0.0%	0	0.0%	0	638	-100.0%
PETRO OUTRIGHT EURO	Y0	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO OUTRIGHT NA	5Y	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	DBB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	FCB	64	74	-13.5%	19	236.8%	1,030	2,255	-54.3%
PETRO OUTRIGHT NA	FOB	0	0	0.0%	0	0.0%	0	10	-100.0%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0.0%	3	47	-93.6%
PETRO OUTRIGHT NA	GBA	0	0	-	0	0.0%	8	0	-
PETRO OUTRIGHT NA	GUD	0	0	-	0	0.0%	13	0	-
PETRO OUTRIGHT NA	JE	0	215	-100.0%	0	0.0%	439	215	104.2%
PETRO OUTRIGHT NA	JET	7,590	1,640	362.8%	3,700	105.1%	22,180	8,580	158.5%
PETRO OUTRIGHT NA	MBL	0	36	-100.0%	0	0.0%	168	736	-77.2%
PETRO OUTRIGHT NA	MEN	568	421	34.9%	861	-34.0%	5,438	5,552	-2.1%
PETRO OUTRIGHT NA	MEO	10,555	7,215	46.3%	10,500	0.5%	80,934	69,201	17.0%
PETRO OUTRIGHT NA	MFD	45	121	-62.8%	313	-85.6%	838	298	181.2%
PETRO OUTRIGHT NA	MMF	85	120	-29.2%	30	183.3%	1,148	1,135	1.1%
PETRO OUTRIGHT NA	NYB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	0.0%	100	25	300.0%
PETRO OUTRIGHT NA	XER	0	0	0.0%	0	0.0%	0	90	-100.0%
PGE&E CITYGATE	PC	0	0	0.0%	0	-	0	0	0.0%
PJM AD HUB 5MW REAL TIME	V3	18,736	140,880	-86.7%	65,472	-71.4%	1,033,248	289,648	256.7%
PJM AD HUB 5MW REAL TIME	Z9	7,980	29,365	-72.8%	9,056	-11.9%	88,829	37,755	135.3%
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	132	-100.0%
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%	0	23,400	-100.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0.0%	0	1,275	-100.0%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0.0%	23,400	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0.0%	1,275	0	0.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	23,480	-100.0%	210,680	56,795	270.9%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	1,270	-100.0%	11,470	3,080	272.4%
PJM DAILY	JD	0	0	0.0%	0	0.0%	1,300	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	19,200	-100.0%	0	0.0%	21,305	50,408	-57.7%

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NYMEX/COMEX Exchange Volume Report - Monthly

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Energy Futures									
PJM DAYTON DA PEAK	D7	6,873	210	3,172.9%	6,350	8.2%	21,628	6,680	223.8%
PJM DPL DA OFF-PEAK	E8	0	0	0.0%	0	-	0	0	0.0%
PJM DPL DA PEAK	L8	0	0	0.0%	0	-	0	0	0.0%
PJM DUQUESNE 5MW D AH PK	D5	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DUQUS 5MW D AH O PK	D6	0	0	0.0%	0	0.0%	0	0	0.0%
PJM EASTERNH DA PEAK	E9	0	0	0.0%	0	-	0	0	0.0%
PJM JCPL DA OFF-PEAK	F2	0	0	0.0%	0	0.0%	0	15,360	-100.0%
PJM JCPL DA PEAK	J2	0	0	0.0%	0	0.0%	0	650	-100.0%
PJM NI HUB 5MW REAL TIME	B3	15,126	5,433	178.4%	0	0.0%	57,094	18,363	210.9%
PJM NI HUB 5MW REAL TIME	B6	365,760	220,526	65.9%	49,415	640.2%	1,355,132	456,494	196.9%
PJM NILL DA OFF-PEAK	L3	297,879	71,367	317.4%	28,617	940.9%	824,934	156,558	426.9%
PJM NILL DA PEAK	N3	14,833	637	2,228.6%	1,375	978.8%	40,050	5,345	649.3%
PJM OFF-PEAK LMP SWAP FUT	JP	0	300	-100.0%	0	0.0%	140	1,712	-91.8%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	0.0%	0	0.0%	0	650	-100.0%
PJM PEPCO DA OFF-PEAK	Q8	0	0	0.0%	0	0.0%	0	7,440	-100.0%
PJM PEPCO DA PEAK	R8	0	0	0.0%	0	-	0	0	0.0%
PJM PPL DA OFF-PEAK	F5	0	23,520	-100.0%	0	0.0%	0	23,520	-100.0%
PJM PPL DA PEAK	L5	0	1,275	-100.0%	0	0.0%	0	1,275	-100.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0.0%	163,800	0	0.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0.0%	5,100	0	0.0%
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	31,520	-100.0%	375,680	-100.0%	825,010	125,600	556.9%
PJM WESTHDA PEAK	J4	2,550	1,915	33.2%	20,320	-87.5%	45,148	7,540	498.8%
PJM WESTH RT OFF-PEAK	N9	144,580	299,099	-51.7%	962,311	-85.0%	5,573,176	809,915	588.1%
PJM WESTH RT PEAK	L1	75,239	35,149	114.1%	59,808	25.8%	524,567	55,624	843.1%
PLASTICS	PGP	612	802	-23.7%	20	2,960.0%	2,743	8,878	-69.1%
PLASTICS	PPP	0	0	0.0%	0	-	0	0	0.0%
PREMIUM UNLD 10P FOB MED	3G	258	294	-12.2%	294	-12.2%	2,413	2,829	-14.7%
PREMIUM UNLD 10PPM CARGOE	4G	0	0	0.0%	0	-	0	0	0.0%
PREMIUM UNLEAD 10PPM FOB	8G	10	97	-89.7%	17	-41.2%	288	658	-56.2%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	10	-100.0%	0	0.0%	2	84	-97.6%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	30	0	0.0%	55	-45.5%	273	260	5.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	695	200	247.5%	225	208.9%	3,197	1,326	141.1%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	9,204	5,291	74.0%	11,648	-21.0%	80,072	51,652	55.0%
RBOB CALENDAR SWAP	RL	10,776	8,984	19.9%	7,572	42.3%	52,598	55,439	-5.1%
RBOB CRACK SPREAD	RM	1,480	610	142.6%	50	2,860.0%	11,775	7,697	53.0%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2016	VOLUME AUG 2015	% CHG	VOLUME JUL 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
Energy Futures									
RBOB CRACK SPREAD BALMO S	1E	25	0	-	0	0.0%	50	0	-
RBOB GASOLINE BALMO CLNDR	1D	1,495	670	123.1%	943	58.5%	6,058	9,534	-36.5%
RBOB PHY	RBL	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	33	-100.0%	0	0.0%	0	92	-100.0%
RBOB UP-DOWN CALENDAR SWA	RV	0	12,625	-100.0%	0	0.0%	9,203	81,145	-88.7%
RBOB VS HEATING OIL SWAP	RH	600	900	-33.3%	2,280	-73.7%	11,827	7,225	63.7%
ROCKIES KERN OPAL - NW IN	IR	0	0	-	310	-100.0%	1,046	0	-
SAN JUAN BASIS SWAP	NJ	6,088	2,095	190.6%	4,722	28.9%	51,389	16,947	203.2%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE 180CST BALMO	BS	55	45	22.2%	15	266.7%	437	342	27.8%
SINGAPORE 380CST BALMO	BT	121	82	47.6%	135	-10.4%	1,129	1,078	4.7%
SINGAPORE 380CST FUEL OIL	SE	11,145	6,226	79.0%	9,308	19.7%	56,648	44,504	27.3%
SINGAPORE FUEL 180CST CAL	UA	886	1,938	-54.3%	1,079	-17.9%	9,521	17,924	-46.9%
SINGAPORE FUEL OIL SPREAD	SD	649	315	106.0%	576	12.7%	4,498	4,456	0.9%
SINGAPORE GASOIL	MTB	177	55	221.8%	166	6.6%	1,858	977	90.2%
SINGAPORE GASOIL	MTS	5,466	2,112	158.8%	3,444	58.7%	29,644	19,362	53.1%
SINGAPORE GASOIL	STF	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE GASOIL	STL	0	0	0.0%	0	0.0%	100	150	-33.3%
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0.0%	180	0	0.0%
SINGAPORE GASOIL BALMO	VU	320	150	113.3%	780	-59.0%	2,279	744	206.3%
SINGAPORE GASOIL CALENDAR	MSG	190	0	0.0%	0	0.0%	537	6,291	-91.5%
SINGAPORE GASOIL SWAP	SG	7,388	397	1,761.0%	6,562	12.6%	36,740	19,910	84.5%
SINGAPORE GASOIL VS ICE	GA	2,075	10	20,650.0%	2,508	-17.3%	15,083	4,790	214.9%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0.0%	56	325	-82.8%
SINGAPORE JET KERO GASOIL	RK	1,225	0	0.0%	1,745	-29.8%	6,275	2,945	113.1%
SINGAPORE JET KEROSENE SW	KS	900	570	57.9%	1,130	-20.4%	4,620	11,948	-61.3%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	0.0%	0	0.0%	0	50	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	25	50	-50.0%	0	0.0%	2,843	2,808	1.2%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	6,821	1,884	262.0%	5,805	17.5%	53,243	55,845	-4.7%
SINGAPORE NAPHTHA BALMO	KU	0	0	0.0%	0	0.0%	20	0	0.0%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	0.0%	0	1,125	-100.0%
SING FUEL	MSD	5	0	0.0%	5	0.0%	15	10	50.0%
SOCAL BASIS SWAP	NS	0	0	0.0%	0	0.0%	0	96	-100.0%
SOCAL PIPE SWAP	XN	0	0	0.0%	0	0.0%	5,600	488	1,047.5%
SONAT BASIS SWAP FUTURE	SZ	0	2,598	-100.0%	0	0.0%	368	14,440	-97.5%
SOUTHERN NAT LA NAT GAS	M8	90	0	0.0%	0	0.0%	612	4,280	-85.7%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2016	VOLUME AUG 2015	% CHG	VOLUME JUL 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
Energy Futures									
SOUTH STAR TEX OKLHM KNS	8Z	0	330	-100.0%	1,104	-100.0%	1,368	4,470	-69.4%
Sumas Basis Swap	NK	460	1,734	-73.5%	787	-41.6%	14,235	10,165	40.0%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	0.0%	0	0.0%	0	2,893	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	0.0%	0	13	-100.0%
TC5 RAS TANURA TO YOKOHAM	TH	0	0	0.0%	0	0.0%	15	30	-50.0%
TCO BASIS SWAP	TC	8,295	7,453	11.3%	1,345	516.7%	25,709	27,755	-7.4%
TCO NG INDEX SWAP	Q1	0	0	0.0%	0	0.0%	0	3,904	-100.0%
TD3 MEG TO JAPAN 250K MT	TL	0	0	0.0%	0	-	0	0	0.0%
TENN 800 LEG NAT GAS INDE	L4	0	0	0.0%	0	0.0%	1,285	0	0.0%
TENNESSEE 500 LEG BASIS S	NM	360	0	0.0%	331	8.8%	1,084	5,406	-79.9%
TENNESSEE 500 LEG NG INDE	Y7	0	0	0.0%	0	-	0	0	0.0%
TENNESSEE 500 LEG NG SWIN	T7	0	0	0.0%	0	-	0	0	0.0%
TENNESSEE 800 LEG NG BASI	6Z	730	1,464	-50.1%	0	0.0%	1,526	3,908	-61.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	604	-100.0%	2,600	0	0.0%
Tetco ELA Basis	TE	0	0	0.0%	0	0.0%	0	368	-100.0%
TETCO M-3 INDEX	IX	600	0	0.0%	279	115.1%	8,063	4,464	80.6%
Tetco STX Basis	TX	0	0	0.0%	730	-100.0%	1,611	3,574	-54.9%
TEXAS EASTERN ZONE M-3 BA	NX	10,735	696	1,442.4%	8,531	25.8%	66,511	10,949	507.5%
TEXAS GAS ZONE1 NG BASIS	9F	0	60	-100.0%	0	0.0%	0	16,156	-100.0%
TRANSCO ZONE 1 NG BASIS	8E	0	0	0.0%	0	0.0%	0	368	-100.0%
Transco Zone 3 Basis	CZ	120	608	-80.3%	0	0.0%	730	5,642	-87.1%
TRANSCO ZONE4 BASIS SWAP	TR	856	428	100.0%	1,567	-45.4%	17,065	65,161	-73.8%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	744	-100.0%	1,457	868	67.9%
TRANSCO ZONE 6 BASIS SWAP	NZ	674	0	0.0%	1,219	-44.7%	7,063	6,003	17.7%
TRANSCO ZONE 6 INDEX	IT	120	0	0.0%	604	-80.1%	6,134	76	7,971.1%
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	0	0.0%	0	0.0%	0	122	-100.0%
UCM FUT	UCM	30	60	-50.0%	10	200.0%	261	288	-9.4%
ULSD 10PPM CIF MED BALMO	X7	0	0	-	0	0.0%	38	0	-
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	0.0%	45	0	0.0%
ULSD 10PPM CIF MED VS ICE	Z7	10	80	-87.5%	46	-78.3%	164	681	-75.9%
ULSD 10PPM CIF NW BALMO S	B1	0	0	0.0%	0	-	0	0	0.0%
ULSD 10PPM CIF VS ICE GAS	7V	0	5	-100.0%	0	0.0%	35	25	40.0%
ULSD UP-DOWN BALMO SWP	1L	11,350	1,400	710.7%	9,862	15.1%	43,760	25,403	72.3%
UP DOWN GC ULSD VS NMX HO	LT	59,864	24,524	144.1%	68,604	-12.7%	434,370	288,723	50.4%
USGC UNL 87 CRACK SPREAD	RU	0	450	-100.0%	0	0.0%	175	2,525	-93.1%
VENTURA NAT GAS PLATTS FIXED PRICE	DVA	0	0	0.0%	0	0.0%	0	44	-100.0%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2016	VOLUME AUG 2015	% CHG	VOLUME JUL 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
Energy Futures									
WAHA BASIS	NW	3,850	6,798	-43.4%	6,891	-44.1%	39,520	21,710	82.0%
WAHA INDEX SWAP FUTURE	IY	480	0	0.0%	620	-22.6%	8,420	0	0.0%
WESTERN RAIL DELIVERY PRB	QP	690	1,650	-58.2%	355	94.4%	8,057	18,740	-57.0%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0.0%	0	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	12,231	25,120	-51.3%	17,120	-28.6%	98,418	187,036	-47.4%
WTI CALENDAR	CS	23,753	28,843	-17.6%	20,942	13.4%	236,009	300,879	-21.6%
WTS (ARGUS) VS WTI SWAP	FF	6,720	3,459	94.3%	450	1,393.3%	14,102	53,040	-73.4%
WTS (ARGUS) VS WTI TRD MT	FH	855	3,080	-72.2%	1,010	-15.3%	8,581	17,141	-49.9%
Energy Options									
1 MO GASOIL CAL SWAP SPR	GXA	0	0	-	0	0.0%	0	0	-
APPALACHIAN COAL	6K	0	0	0.0%	0	0.0%	0	40	-100.0%
BRENT 1 MONTH CAL	AA	0	0	0.0%	0	-	0	0	0.0%
BRENT CALENDAR SWAP	BA	600	1,550	-61.3%	0	0.0%	11,228	148,381	-92.4%
BRENT OIL LAST DAY	BE	4,000	2,700	48.1%	5,150	-22.3%	34,215	46,467	-26.4%
BRENT OIL LAST DAY	BZO	29,424	0	-	26,602	10.6%	125,555	0	-
BRENT OIL LAST DAY	OS	604	2,713	-77.7%	704	-14.2%	11,826	50,939	-76.8%
COAL API2 INDEX	CLA	3,025	10,688	-71.7%	3,670	-17.6%	47,857	40,623	17.8%
COAL API2 INDEX	CQA	850	5,210	-83.7%	700	21.4%	101,734	58,687	73.4%
COAL API2 INDEX	MTC	0	0	0.0%	0	0.0%	150	151	-0.7%
COAL API4 INDEX	RLA	0	25	-100.0%	0	0.0%	50	1,175	-95.7%
COAL API4 INDEX	RQA	0	250	-100.0%	0	0.0%	1,330	350	280.0%
COAL SWAP	CPF	200	125	60.0%	0	0.0%	585	660	-11.4%
COAL SWAP	RPF	0	0	0.0%	0	0.0%	86	1,990	-95.7%
CRUDE OIL 1MO	WA	255,873	295,730	-13.5%	330,021	-22.5%	1,980,530	1,819,487	8.9%
CRUDE OIL APO	AO	44,388	34,345	29.2%	19,993	122.0%	217,684	619,967	-64.9%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	AH	1,140	0	0.0%	0	0.0%	2,290	600	281.7%
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	0.0%	0	900	-100.0%
CRUDE OIL PHY	CD	2,850	575	395.7%	1,300	119.2%	28,175	13,250	112.6%
CRUDE OIL PHY	LC	12,685	52,359	-75.8%	23,798	-46.7%	283,163	396,833	-28.6%
CRUDE OIL PHY	LO	3,995,067	4,163,403	-4.0%	3,414,591	17.0%	29,865,865	27,328,531	9.3%
CRUDE OIL PHY	LO1	10,780	7,892	36.6%	3,991	170.1%	45,893	35,381	29.7%
CRUDE OIL PHY	LO2	3,688	3,408	8.2%	2,967	24.3%	33,027	25,026	32.0%
CRUDE OIL PHY	LO3	5,258	4,294	22.4%	0	0.0%	19,509	18,879	3.3%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2016	VOLUME AUG 2015	% CHG	VOLUME JUL 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
Energy Options									
CRUDE OIL PHY	LO4	4,315	3,088	39.7%	3,010	43.4%	33,653	21,375	57.4%
CRUDE OIL PHY	LO5	0	0	0.0%	4,672	-100.0%	15,549	10,695	45.4%
DAILY CRUDE OIL	DNM	0	0	0.0%	0	0.0%	0	8,000	-100.0%
ELEC FINSETTLED	PML	14	6	133.3%	50	-72.0%	227	35	548.6%
ELEC MISO PEAK	9T	0	0	-	0	0.0%	2,580	0	-
ELEC MISO PEAK	OEM	0	0	0.0%	0	-	0	0	0.0%
ELECTRICITY OFF PEAK	N9P	0	0	0.0%	0	0.0%	0	0	0.0%
ETHANOL	CE1	0	0	-	0	0.0%	25	0	-
ETHANOL	CE3	0	0	-	0	0.0%	25	0	-
ETHANOL SWAP	CVR	5,623	3,114	80.6%	4,392	28.0%	44,318	45,071	-1.7%
ETHANOL SWAP	GVR	0	0	0.0%	430	-100.0%	2,318	1,564	48.2%
EURO-DENOMINATED PETRO PROD	EFB	0	0	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%	60	0	0.0%
GASOIL CRACK SPREAD AVG PRICE OPTION	3U	0	0	0.0%	0	0.0%	0	0	0.0%
GASOLINE	GCE	0	0	0.0%	0	0.0%	872	125	597.6%
HEATING OIL PHY	LB	690	477	44.7%	1,288	-46.4%	3,299	4,571	-27.8%
HEATING OIL PHY	OH	43,711	47,567	-8.1%	49,865	-12.3%	439,889	418,975	5.0%
HENRY HUB FINANCIAL LAST	E7	591	1,534	-61.5%	2,003	-70.5%	15,937	19,265	-17.3%
HO 1 MONTH CLNDR OPTIONS	FA	0	1,300	-100.0%	0	0.0%	5,700	3,000	90.0%
HUSTN SHIP CHNL PIPE SWP	PK	0	0	0.0%	0	0.0%	0	3,360	-100.0%
ISO NEW ENGLAND PK LMP	OE	0	0	0.0%	0	-	0	0	0.0%
LLS CRUDE OIL	WJO	600	0	-	2,400	-75.0%	11,730	0	-
MCCLOSKEY ARA ARGS COAL	MTO	0	0	0.0%	300	-100.0%	8,995	3,735	140.8%
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0.0%	2,385	1,200	98.8%
NATURAL GAS	G10	0	0	-	0	0.0%	500	0	-
NATURAL GAS 12 M CSO FIN	G7	0	500	-100.0%	0	0.0%	0	1,000	-100.0%
NATURAL GAS 1 M CSO FIN	G4	7,049	6,950	1.4%	3,000	135.0%	43,579	198,834	-78.1%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0.0%	1,000	2,950	-66.1%
NATURAL GAS 3 M CSO FIN	G3	17,475	22,845	-23.5%	17,037	2.6%	174,199	55,830	212.0%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0.0%	1,200	2,700	-55.6%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0.0%	4,100	44,900	-90.9%
NATURAL GAS OPTION ON CALENDAR STRP	6J	2,630	540	387.0%	900	192.2%	16,008	9,180	74.4%
NATURAL GAS PHY	KD	26,432	17,225	53.5%	17,275	53.0%	259,276	168,979	53.4%
NATURAL GAS PHY	LN	2,007,924	1,144,823	75.4%	1,956,091	2.6%	15,392,611	11,795,796	30.5%
NATURAL GAS PHY	ON	271,170	156,946	72.8%	312,093	-13.1%	2,235,797	1,699,373	31.6%

NYMEX/COMEX Exchange Volume Report - Monthly

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Energy Options									
NATURAL GAS PHY	ON1	2	0	0.0%	0	-	2	0	0.0%
NATURAL GAS PHY	ON2	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS PHY	ON3	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS PHY	ON4	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS PHY	ON5	0	0	0.0%	0	0.0%	0	25	-100.0%
NATURAL GAS SUMMER STRIP	4D	0	0	0.0%	0	-	0	0	0.0%
NG HH 3 MONTH CAL	IC	0	0	-	0	0.0%	500	0	-
N ROCKIES PIPE SWAP	ZR	720	996	-27.7%	720	0.0%	4,230	4,529	-6.6%
NY HARBOR HEAT OIL SWP	AT	5,061	13,069	-61.3%	6,819	-25.8%	47,275	114,290	-58.6%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	0.0%	0	0.0%	420	110	281.8%
NYMEX EUROPEAN GASOIL APO	F7	0	0	0.0%	0	0.0%	0	1,462	-100.0%
NYMEX EUROPEAN GASOIL OPT	F8	0	0	0.0%	0	0.0%	0	240	-100.0%
PETROCHEMICALS	4H	949	1,329	-28.6%	432	119.7%	10,419	10,954	-4.9%
PETROCHEMICALS	4I	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	4J	0	0	0.0%	1,095	-100.0%	4,455	1,690	163.6%
PETROCHEMICALS	4K	900	0	0.0%	0	0.0%	900	0	0.0%
PETROCHEMICALS	CPR	0	0	0.0%	0	0.0%	495	14	3,435.7%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0.0%	0	180	-100.0%
PGE CITYGATE PIPE SWAP	CW	0	0	0.0%	0	0.0%	0	0	0.0%
PJM CALENDAR STRIP	6O	0	160	-100.0%	0	0.0%	0	1,040	-100.0%
PJM ELECTRIC	6OO	0	0	0.0%	0	0.0%	0	0	0.0%
PJM MONTHLY	JO	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	170	180	-5.6%	280	-39.3%	590	200	195.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	0.0%	10,300	0	-
PJM WES HUB PEAK LMP 50MW	PMA	7,301	0	-	215	3,295.8%	9,211	0	-
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0.0%	3,400	0	0.0%
RBOB CALENDAR SWAP	RA	300	1,908	-84.3%	0	0.0%	6,099	16,931	-64.0%
RBOB PHY	OB	28,855	35,773	-19.3%	20,360	41.7%	314,704	253,498	24.1%
RBOB PHY	RF	0	150	-100.0%	0	0.0%	20	5,400	-99.6%
ROTTERDAM 3.5%FUEL OIL CL	Q6	120	0	0.0%	0	0.0%	520	365	42.5%
SAN JUAN PIPE SWAP	PJ	1,536	728	111.0%	720	113.3%	7,848	4,004	96.0%
SHORT TERM	U11	650	500	30.0%	100	550.0%	2,250	2,860	-21.3%
SHORT TERM	U12	550	150	266.7%	600	-8.3%	3,330	1,840	81.0%
SHORT TERM	U13	0	200	-100.0%	100	-100.0%	3,411	1,585	115.2%
SHORT TERM	U14	0	0	0.0%	800	-100.0%	4,425	1,250	254.0%
SHORT TERM	U15	625	0	0.0%	125	400.0%	2,600	1,525	70.5%



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2016	VOLUME AUG 2015	% CHG	VOLUME JUL 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
Energy Options									
SHORT TERM	U22	500	0	0.0%	500	0.0%	2,875	810	254.9%
SHORT TERM	U23	400	0	0.0%	0	0.0%	1,080	2,010	-46.3%
SHORT TERM	U24	400	525	-23.8%	0	0.0%	1,780	1,825	-2.5%
SHORT TERM	U25	300	325	-7.7%	0	0.0%	505	950	-46.8%
SHORT TERM	U26	0	0	0.0%	0	0.0%	1,230	350	251.4%
SHORT TERM CRUDE OIL	C02	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM CRUDE OIL	C05	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM NATURAL GAS	U01	100	350	-71.4%	300	-66.7%	3,375	930	262.9%
SHORT TERM NATURAL GAS	U02	175	0	0.0%	0	0.0%	3,250	1,898	71.2%
SHORT TERM NATURAL GAS	U03	220	0	0.0%	0	0.0%	945	1,625	-41.8%
SHORT TERM NATURAL GAS	U04	1,600	75	2,033.3%	0	0.0%	4,100	1,175	248.9%
SHORT TERM NATURAL GAS	U05	400	350	14.3%	300	33.3%	2,725	850	220.6%
SHORT TERM NATURAL GAS	U06	0	750	-100.0%	100	-100.0%	1,930	2,175	-11.3%
SHORT TERM NATURAL GAS	U07	0	400	-100.0%	300	-100.0%	3,500	2,120	65.1%
SHORT TERM NATURAL GAS	U08	1,175	0	0.0%	0	0.0%	3,222	1,625	98.3%
SHORT TERM NATURAL GAS	U09	600	0	0.0%	0	0.0%	3,992	3,181	25.5%
SHORT TERM NATURAL GAS	U10	430	400	7.5%	0	0.0%	3,995	2,000	99.7%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0.0%	3,310	2,250	47.1%
SHORT TERM NATURAL GAS	U17	175	150	16.7%	0	0.0%	955	1,185	-19.4%
SHORT TERM NATURAL GAS	U18	725	200	262.5%	525	38.1%	2,805	675	315.6%
SHORT TERM NATURAL GAS	U19	200	350	-42.9%	0	0.0%	1,280	2,595	-50.7%
SHORT TERM NATURAL GAS	U20	0	350	-100.0%	0	0.0%	1,030	1,530	-32.7%
SHORT TERM NATURAL GAS	U21	0	200	-100.0%	100	-100.0%	575	1,550	-62.9%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	100	-100.0%	900	1,025	-12.2%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	1,250	-100.0%	3,275	375	773.3%
SHORT TERM NATURAL GAS	U29	75	0	0.0%	225	-66.7%	2,525	700	260.7%
SHORT TERM NATURAL GAS	U30	250	0	0.0%	0	0.0%	850	3,225	-73.6%
SHORT TERM NATURAL GAS	U31	100	50	100.0%	0	0.0%	850	250	240.0%
SINGAPORE FUEL OIL 180 CS	C5	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE GASOIL CALENDAR	M2	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEND	N2	0	1,200	-100.0%	0	0.0%	0	1,200	-100.0%
SOCAL PIPE SWAP	ZN	0	0	0.0%	0	0.0%	10,000	0	0.0%
WTI 12 MONTH CALENDAR OPT	WZ	0	0	0.0%	0	0.0%	0	500	-100.0%
WTI 6 MONTH CALENDAR OPTI	WM	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT BULLET SWAP	BV	15,210	9,625	58.0%	14,350	6.0%	152,050	178,135	-14.6%
WTI CRUDE OIL 12 M CSO F	7Z	0	0	0.0%	0	-	0	0	0.0%

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NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2016	VOLUME AUG 2015	% CHG	VOLUME JUL 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
Energy Options									
WTI CRUDE OIL 1 M CSO FI	7A	77,900	218,925	-64.4%	109,000	-28.5%	1,255,293	1,289,445	-2.6%
Metals Futures									
COMEX GOLD	GC	4,387,859	3,431,565	27.9%	5,798,480	-24.3%	39,096,986	29,090,941	34.4%
NYMEX HOT ROLLED STEEL	HR	5,006	6,156	-18.7%	3,415	46.6%	38,202	36,435	4.8%
NYMEX PLATINUM	PL	278,246	268,391	3.7%	279,689	-0.5%	2,451,730	2,245,975	9.2%
PALLADIUM	PA	169,852	185,094	-8.2%	104,219	63.0%	943,685	935,603	0.9%
URANIUM	UX	0	1	-100.0%	0	0.0%	6,493	2,348	176.5%
COMEX SILVER	SI	1,939,332	1,510,998	28.3%	1,458,746	32.9%	12,251,140	9,367,948	30.8%
COMEX E-Mini GOLD	QO	7,956	4,947	60.8%	15,804	-49.7%	88,632	45,668	94.1%
E-MINI SILVER	6Q	0	0	0.0%	0	-	0	0	0.0%
COMEX E-Mini SILVER	QI	1,618	1,021	58.5%	2,179	-25.7%	10,178	7,399	37.6%
COMEX COPPER	HG	1,875,956	1,753,097	7.0%	1,510,169	24.2%	13,766,886	11,668,116	18.0%
COMEX MINY COPPER	QC	417	1,081	-61.4%	334	24.9%	4,533	7,151	-36.6%
Aluminium MW Trans Prem Platts	AUP	4,963	4,555	9.0%	6,192	-19.8%	48,362	25,787	87.5%
ALUMINUM	A38	21	0	-	50	-58.0%	71	0	-
ALUMINUM	AEP	1,440	0	-	1,350	6.7%	8,969	0	-
ALUMINUM	ALI	668	63	960.3%	665	0.5%	5,062	2,452	106.4%
ALUMINUM	EDP	1,580	0	-	420	276.2%	4,070	0	-
ALUMINUM	MJP	860	0	-	341	152.2%	5,523	0	-
COPPER	HGS	463	995	-53.5%	30	1,443.3%	3,301	3,580	-7.8%
E-MICRO GOLD	MGC	56,462	43,364	30.2%	97,398	-42.0%	723,972	240,709	200.8%
FERROUS PRODUCTS	BUS	40	0	0.0%	0	0.0%	550	550	0.0%
FERROUS PRODUCTS	SSF	0	0	0.0%	0	0.0%	0	0	0.0%
Gold Kilo	GCK	4,083	3,385	20.6%	3,717	9.8%	40,021	28,317	41.3%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	0	0.0%	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	0.0%	0	0.0%	2,470	2,508	-1.5%
IRON ORE 62 CHINA TSI FUTURES	TIO	13,113	9,251	41.7%	12,551	4.5%	136,447	76,595	78.1%
LNDN ZINC	ZNC	14	119	-88.2%	35	-60.0%	200	187	7.0%
METALS	LED	10	0	-	0	0.0%	15	0	-
SILVER	SIL	11,552	8,169	41.4%	12,077	-4.3%	70,762	68,853	2.8%



NYMEX/COMEX Exchange Volume Report - Monthly

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Metals Options									
COMEX COPPER	HX	3,351	2,106	59.1%	5,791	-42.1%	22,665	17,294	31.1%
COMEX GOLD	OG	603,984	656,096	-7.9%	585,536	3.2%	6,387,885	5,149,053	24.1%
COMEX SILVER	SO	125,379	102,749	22.0%	134,625	-6.9%	925,971	907,213	2.1%
COPPER	H4E	0	0	0.0%	0	0.0%	0	10	-100.0%
GOLD	OG1	1,737	744	133.5%	463	275.2%	8,856	3,308	167.7%
GOLD	OG2	947	245	286.5%	1,905	-50.3%	9,237	5,053	82.8%
GOLD	OG3	341	274	24.5%	1,383	-75.3%	6,943	4,136	67.9%
GOLD	OG4	379	650	-41.7%	934	-59.4%	4,848	2,138	126.8%
GOLD	OG5	0	0	0.0%	626	-100.0%	2,436	1,099	121.7%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	0.0%	0	-	0	0	0.0%
HOT ROLLED COIL STEEL PUT OPTION	HRO	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	2,308	0	0.0%	1,230	87.6%	35,509	14,310	148.1%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	800	1,680	-52.4%	5,162	-84.5%	24,186	40,350	-40.1%
NYMEX PLATINUM	PO	6,803	926	634.7%	2,657	156.0%	34,488	42,400	-18.7%
PALLADIUM	PAO	4,910	3,979	23.4%	5,392	-8.9%	26,398	31,707	-16.7%
SHORT TERM	L11	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM GOLD	L02	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM GOLD	L18	0	0	0.0%	0	-	0	0	0.0%
SILVER	SO1	10	0	0.0%	0	0.0%	22	423	-94.8%
SILVER	SO2	0	0	0.0%	0	0.0%	1	182	-99.5%
SILVER	SO3	0	0	0.0%	195	-100.0%	200	194	3.1%
SILVER	SO4	10	1	900.0%	1	900.0%	20	141	-85.8%
SILVER	SO5	0	0	0.0%	0	0.0%	6	203	-97.0%
TOTAL FUTURES GROUP									
Commodities and Alternative Investments Futures		623	478	30.3%	366	70.2%	3,125	2,971	5.2%
Energy Futures		44,487,288	38,174,237	16.5%	37,736,878	17.9%	345,103,027	280,131,013	23.2%
Metals Futures		8,761,511	7,232,252	21.1%	9,307,861	-5.9%	69,708,260	53,857,122	29.4%
TOTAL FUTURES		53,249,422	45,406,967	17.3%	47,045,105	13.2%	414,814,412	333,991,106	24.2%

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TOTAL OPTIONS GROUP								
Energy Options	6,907,330	6,281,550	10.0%	6,367,709	8.5%	53,438,190	47,060,986	13.6%
Metals Options	750,959	769,450	-2.4%	745,900	0.7%	7,489,671	6,219,214	20.4%
TOTAL OPTIONS	7,658,289	7,051,000	8.6%	7,113,609	7.7%	60,927,861	53,280,200	14.4%
TOTAL COMBINED								
Commodities and Alternative Investments	623	478	30.3%	366	70.2%	3,125	2,971	5.2%
Energy	51,394,618	44,455,787	15.6%	44,104,587	16.5%	398,541,217	327,191,999	21.8%
Metals	9,512,470	8,001,702	18.9%	10,053,761	-5.4%	77,197,931	60,076,336	28.5%
GRAND TOTAL	60,907,711	52,457,967	16.1%	54,158,714	12.5%	475,742,273	387,271,306	22.8%