

## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Commodities and Alternative Investments Futures</b>									
COCOA TAS	CJ	21	213	-90.1%	3	600.0%	74	1,083	-93.2%
COFFEE	KT	20	7	185.7%	20	0.0%	40	79	-49.4%
COTTON	TT	10	14	-28.6%	1	900.0%	14	308	-95.5%
SUGAR 11	YO	7	40	-82.5%	0	0.0%	25	282	-91.1%
<b>Energy Futures</b>									
CRUDE OIL PHY	CL	27,526,745	21,494,017	28.1%	21,225,392	29.7%	118,126,699	115,379,109	2.4%
CRUDE OIL	WS	5,356	852	528.6%	0	0.0%	33,279	72,223	-53.9%
MINY WTI CRUDE OIL	QM	337,645	313,784	7.6%	190,045	77.7%	1,252,992	1,572,379	-20.3%
BRENT OIL LAST DAY	BZ	2,385,395	1,778,297	34.1%	1,839,759	29.7%	10,179,954	10,866,441	-6.3%
HEATING OIL PHY	HO	3,867,364	3,452,190	12.0%	3,091,738	25.1%	17,111,753	16,142,877	6.0%
HTG OIL	BH	36	36	0.0%	48	-25.0%	84	5,202	-98.4%
MINY HTG OIL	QH	2	7	-71.4%	1	100.0%	13	40	-67.5%
RBOB PHY	RB	4,343,499	3,874,129	12.1%	3,721,629	16.7%	20,627,619	18,348,421	12.4%
MINY RBOB GAS	QU	4	3	33.3%	3	33.3%	24	20	20.0%
NATURAL GAS	HP	173,506	105,946	63.8%	127,770	35.8%	774,386	536,135	44.4%
LTD NAT GAS	HH	302,783	178,247	69.9%	229,914	31.7%	1,459,746	1,195,800	22.1%
MINY NATURAL GAS	QG	22,023	22,730	-3.1%	20,689	6.4%	147,261	123,863	18.9%
PJM MONTHLY	JM	0	1,960	-100.0%	0	0.0%	120	2,678	-95.5%
NATURAL GAS PHY	NG	9,389,827	7,090,055	32.4%	7,911,186	18.7%	43,932,961	36,566,446	20.1%
RBOB GAS	RT	1,602	1,000	60.2%	1,598	0.3%	8,260	6,391	29.2%
3.5% FUEL OIL CID MED SWA	7D	25	209	-88.0%	0	0.0%	872	1,499	-41.8%
3.5% FUEL OIL CIF BALMO S	8D	0	30	-100.0%	50	-100.0%	170	165	3.0%
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	2,448	-100.0%	0	0.0%	0	4,160	-100.0%
ALGONQUIN CITYGATES BASIS	B4	0	302	-100.0%	0	0.0%	0	3,293	-100.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	0	0.0%	0	0	0.0%
ANR OKLAHOMA	NE	0	240	-100.0%	0	0.0%	0	3,168	-100.0%
APPALACHIAN COAL (PHY)	QL	0	25	-100.0%	0	0.0%	0	130	-100.0%
ARGUS LLS VS. WTI (ARG) T	E5	4,095	19,013	-78.5%	7,270	-43.7%	33,540	69,306	-51.6%
ARGUS PROPAN FAR EST INDE	7E	1,327	2,039	-34.9%	1,108	19.8%	6,797	7,609	-10.7%

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ARGUS PROPAN(SAUDI ARAMCO	9N	722	1,234	-41.5%	855	-15.6%	4,939	4,913	0.5%
AUSTRIALIAN COKE COAL	ALW	77	1,130	-93.2%	97	-20.6%	993	2,541	-60.9%
BRENT BALMO SWAP	J9	0	40	-100.0%	113	-100.0%	138	770	-82.1%
BRENT CALENDAR SWAP	CY	750	1,649	-54.5%	1,018	-26.3%	12,317	11,930	3.2%
BRENT CFD SWAP	6W	0	0	0.0%	0	-	0	0	0.0%
BRENT FINANCIAL FUTURES	BB	12,700	0	0.0%	74	17,062.2%	24,056	1,755	1,270.7%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0.0%	0	1,394	-100.0%
BRENT FINANCIAL FUTURES	MDB	0	162	-100.0%	0	0.0%	0	308	-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	4,260	7,145	-40.4%	294	1,349.0%	6,819	10,730	-36.4%
CENTERPOINT BASIS SWAP	PW	0	1,702	-100.0%	0	0.0%	534	8,972	-94.0%
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	136,864	88,886	54.0%	107,926	26.8%	634,627	452,350	40.3%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	50	0	0.0%	101	-50.5%	832	1,292	-35.6%
CHICAGO UNL GAS PL VS RBO	3C	0	175	-100.0%	0	0.0%	0	1,600	-100.0%
CIG BASIS	CI	0	16,515	-100.0%	0	0.0%	186	42,457	-99.6%
CIG ROCKIES NG INDEX SWA	Z8	0	0	0.0%	0	0.0%	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	0	0	0.0%	45,440	-100.0%	182,680	162,920	12.1%
CIN HUB 5MW D AH PK	H5	796	380	109.5%	4,440	-82.1%	10,901	11,380	-4.2%
CIN HUB 5MW REAL TIME O P	H4	46,840	93,760	-50.0%	91,160	-48.6%	273,040	684,464	-60.1%
CIN HUB 5MW REAL TIME PK	H3	1,070	3,180	-66.4%	5,500	-80.5%	21,070	50,416	-58.2%
COAL SWAP	ACM	150	15	900.0%	245	-38.8%	1,060	1,670	-36.5%
COAL SWAP	SSI	0	15	-100.0%	0	0.0%	0	137	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	0.0%	0	0.0%	0	13,508	-100.0%
COLUMBIA GULF MAIN NAT G	L2	0	0	0.0%	0	0.0%	0	2,208	-100.0%
COLUMBIA GULF NAT GAS FIXED PRICE	DCE	0	0	0.0%	0	-	0	0	0.0%
COLUMBIA GULF ONSHORE	GL	0	0	0.0%	0	0.0%	0	3,108	-100.0%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	33	75	-56.0%	203	-83.7%	1,087	1,030	5.5%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,485	75	1,880.0%	840	76.8%	4,754	354	1,242.9%

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CONWAY PROPANE 5 DECIMALS SWAP	8K	9,343	3,888	140.3%	6,317	47.9%	42,037	29,778	41.2%
CRUDE OIL	CHB	0	0	-	0	0.0%	0	0	-
CRUDE OIL	LPS	4,827	3,968	21.6%	3,350	44.1%	19,097	26,727	-28.5%
CRUDE OIL OUTRIGHTS	37	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	42	113	204	-44.6%	3,007	-96.2%	3,645	431	745.7%
CRUDE OIL OUTRIGHTS	CC5	180	0	-	0	0.0%	330	0	-
CRUDE OIL OUTRIGHTS	CSN	0	0	-	0	0.0%	30	0	-
CRUDE OIL OUTRIGHTS	CSW	150	0	-	375	-60.0%	1,030	0	-
CRUDE OIL OUTRIGHTS	DBL	200	0	0.0%	100	100.0%	800	50	1,500.0%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0.0%	100	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	0.0%	110	0	-
CRUDE OIL OUTRIGHTS	HTT	7,636	830	820.0%	11,775	-35.2%	44,282	3,262	1,257.5%
CRUDE OIL OUTRIGHTS	LSW	0	0	-	30	-100.0%	30	0	-
CRUDE OIL OUTRIGHTS	SSW	105	0	-	105	0.0%	225	0	-
CRUDE OIL OUTRIGHTS	WCC	150	5,846	-97.4%	2,625	-94.3%	23,697	30,634	-22.6%
CRUDE OIL OUTRIGHTS	WCW	6,090	0	-	3,725	63.5%	9,935	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	1,915	390	391.0%	8,784	-78.2%	26,969	4,937	446.3%
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	2,720	-100.0%	0	0.0%	0	2,720	-100.0%
DAILY PJM	ZAO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZGO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZJO	0	0	0.0%	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	0.0%	0	0.0%	0	0	0.0%
DATED TO FRONTLINE BRENT	FY	1,300	1,250	4.0%	335	288.1%	5,445	8,110	-32.9%
DEMARC INDEX FUTURE	DI	0	180	-100.0%	0	0.0%	0	180	-100.0%



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DEMARC SWING SWAP	DT	0	0	-	0	0.0%	0	0	-
DIESEL 10P BRG FOB RDM VS	7X	0	10	-100.0%	0	0.0%	0	10	-100.0%
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	2,920	-100.0%	0	0.0%	0	13,965	-100.0%
DOMINION TRANSMISSION INC	PG	2,769	20,858	-86.7%	3,171	-12.7%	41,765	100,100	-58.3%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL CALENDAR	DC	22,685	954	2,277.9%	4,000	467.1%	51,889	5,050	927.5%
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	590	1,230	-52.0%	200	195.0%	3,804	5,227	-27.2%
EAST/WEST FUEL OIL SPREAD	EW	45	20	125.0%	244	-81.6%	1,185	56	2,016.1%
EIA FLAT TAX ONHWAY DIESE	A5	1,407	659	113.5%	501	180.8%	4,590	6,421	-28.5%
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 HOUSTON Z MCPE 5MW PEAK SWAP	I1	420	0	-	0	-	420	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	14,720	0	0.0%	0	0.0%	14,720	4,280	243.9%
ERCOT NORTH ZMCPE 5MW PEAK	I5	420	0	0.0%	0	0.0%	1,250	235	431.9%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	2,682	2,987	-10.2%	3,555	-24.6%	17,542	11,586	51.4%
EU LOW SULPHUR GASOIL CRACK	LSC	0	0	0.0%	0	-	0	0	0.0%

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<b>Energy Futures</b>									
EURO 1% FUEL OIL NEW BALM	KX	8	0	0.0%	5	60.0%	18	210	-91.4%
EURO 3.5% FUEL OIL RDAM B	KR	633	239	164.9%	355	78.3%	2,914	1,677	73.8%
EURO 3.5% FUEL OIL SPREAD	FK	412	525	-21.5%	220	87.3%	2,276	3,008	-24.3%
EURO-DENOMINATED PETRO PROD	IBE	0	0	0.0%	0	-	0	0	0.0%
EURO-DENOMINATED PETRO PROD	NCP	0	0	0.0%	440	-100.0%	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	5	-100.0%	0	0.0%	198	300	-34.0%
EUROPE 1% FUEL OIL NWE CA	UF	108	73	47.9%	145	-25.5%	653	757	-13.7%
EUROPE 1% FUEL OIL RDAM C	UH	10	0	0.0%	6	66.7%	26	114	-77.2%
EUROPE 3.5% FUEL OIL MED	UI	65	302	-78.5%	60	8.3%	1,159	2,084	-44.4%
EUROPE 3.5% FUEL OIL RDAM	UV	8,278	6,058	36.6%	6,271	32.0%	47,059	32,457	45.0%
EUROPEAN GASOIL (ICE)	7F	4,195	97,722	-95.7%	2,095	100.2%	15,294	1,365,782	-98.9%
EUROPEAN NAPHTHA BALMO	KZ	301	91	230.8%	389	-22.6%	1,835	729	151.7%
EUROPEAN NAPHTHA CRACK SPR	EN	9,281	6,039	53.7%	5,224	77.7%	38,236	20,229	89.0%
EUROPE DATED BRENT SWAP	UB	0	2,430	-100.0%	0	0.0%	416	14,258	-97.1%
EUROPE JET KERO NWE CALSW	UJ	12	0	0.0%	12	0.0%	60	38	57.9%
EUROPE NAPHTHA CALSWAP	UN	2,759	1,086	154.1%	2,615	5.5%	13,683	5,709	139.7%
EURO PROPANE CIF ARA SWA	PS	1,041	1,278	-18.5%	906	14.9%	5,876	5,440	8.0%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	-	0	0.0%	0	0	-
FLORIDA GAS ZONE3 BASIS S	FP	0	90	-100.0%	0	0.0%	0	826	-100.0%
FREIGHT MARKETS	FLP	41	310	-86.8%	60	-31.7%	386	1,157	-66.6%
FUEL OIL CRACK VS ICE	FO	5,870	3,442	70.5%	2,781	111.1%	21,019	20,304	3.5%
FUEL OIL NWE CRACK VS ICE	FI	0	32	-100.0%	0	0.0%	0	32	-100.0%
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	342	321	6.5%	167	104.8%	1,477	2,523	-41.5%
GAS EURO-BOB OXY NWE BARGES	7H	6,905	7,871	-12.3%	7,766	-11.1%	38,289	39,086	-2.0%
GAS EURO-BOB OXY NWE BARGES CRK	7K	19,359	11,035	75.4%	16,439	17.8%	101,939	74,010	37.7%
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	0.0%	0	0.0%	0	6	-100.0%
GASOIL 0.1 CARGOES CIF NE	TW	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1 CIF MED BALMO	X6	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1 CIF MED SWAP	Z4	0	15	-100.0%	0	0.0%	0	75	-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	0	0.0%	0	0.0%	20	5	300.0%
GASOIL 0.1 CRG CIF NW VS	4V	0	0	0.0%	0	0.0%	0	5	-100.0%



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GASOIL 0.1 RDAM BRGS VS I	WQ	0	6	-100.0%	120	-100.0%	120	55	118.2%
GASOIL 0.1 ROTTERDAM BARG	VL	5	0	0.0%	5	0.0%	50	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	0	80	-100.0%	5	-100.0%	460	134	243.3%
GASOIL BULLET SWAP	BG	0	0	-	0	0.0%	0	0	-
GASOIL CALENDAR SWAP	GX	208	32	550.0%	15	1,286.7%	241	232	3.9%
GASOIL CRACK SPREAD CALEN	GZ	5,397	12,923	-58.2%	8,585	-37.1%	38,065	20,391	86.7%
GASOIL MINI CALENDAR SWAP	QA	252	367	-31.3%	78	223.1%	907	1,364	-33.5%
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	1,815	1,800	0.8%	5,111	-64.5%	13,321	10,785	23.5%
GRP THREE UNL GS (PLT) VS	A8	600	875	-31.4%	815	-26.4%	3,154	5,615	-43.8%
GULF COAST 3% FUEL OIL BA	VZ	1,208	864	39.8%	1,246	-3.0%	5,943	4,915	20.9%
GULF COAST GASOLINE CLNDR	GS	0	0	0.0%	0	0.0%	0	1,300	-100.0%
GULF COAST JET FUEL CLNDR	GE	90	56	60.7%	208	-56.7%	546	589	-7.3%
GULF COAST JET VS NYM 2 H	ME	50,762	32,426	56.5%	26,486	91.7%	226,474	160,989	40.7%
GULF COAST NO.6 FUEL OIL	MF	46,067	53,845	-14.4%	53,106	-13.3%	293,211	301,340	-2.7%
GULF COAST NO.6 FUEL OIL	MG	490	100	390.0%	1,555	-68.5%	7,459	4,438	68.1%
GULF COAST ULSD CALENDAR	LY	1,057	624	69.4%	543	94.7%	2,630	4,513	-41.7%
GULF COAST ULSD CRACK SPR	GY	540	753	-28.3%	0	0.0%	1,540	4,200	-63.3%
HEATING OIL BALMO CLNDR S	1G	210	75	180.0%	195	7.7%	580	295	96.6%
HEATING OIL CRCK SPRD BAL	1H	0	20	-100.0%	0	0.0%	0	20	-100.0%
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%	0	0	0.0%
HEATING OIL VS ICE GASOIL	HA	0	0	0.0%	0	-	0	0	0.0%
HENRY HUB BASIS SWAP	HB	10,920	15,097	-27.7%	10,231	6.7%	46,254	133,206	-65.3%
HENRY HUB INDEX SWAP FUTU	IN	10,920	15,097	-27.7%	10,231	6.7%	44,676	126,029	-64.6%
HENRY HUB SWAP	NN	198,458	329,897	-39.8%	169,073	17.4%	826,669	2,457,966	-66.4%
HENRY HUB SWING FUTURE	SN	0	0	0.0%	0	0.0%	0	290	-100.0%
HOUSTON SHIP CHANNEL BASI	NH	1,095	7,249	-84.9%	969	13.0%	2,064	20,097	-89.7%
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	23,050	0	0.0%	17,660	30.5%	65,143	10	651,330.0%
IN DELIVERY MONTH EUA	6T	0	8,425	-100.0%	2,850	-100.0%	2,850	22,751	-87.5%
INDIANA MISO	FAD	0	0	0.0%	0	0.0%	0	0	0.0%

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<b>Energy Futures</b>									
INDIANA MISO	FDM	0	0	0.0%	0	-	0	0	0.0%
INDIANA MISO	FTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FTM	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PDD	0	112	-100.0%	0	0.0%	0	112	-100.0%
INDIANA MISO	PDM	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PTM	0	0	0.0%	0	0.0%	0	0	0.0%
INDONESIAN COAL	MCC	0	10	-100.0%	0	0.0%	5	70	-92.9%
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	535	0	0.0%	403	32.8%	2,340	2,141	9.3%
JAPAN C&F NAPHTHA SWAP	JA	1,768	1,184	49.3%	3,053	-42.1%	8,705	5,862	48.5%
JAPAN NAPHTHA BALMO SWAP	E6	382	3	12,633.3%	652	-41.4%	1,161	290	300.3%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	36	-100.0%	0	0.0%	0	80	-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	142	136	4.4%	90	57.8%	522	436	19.7%
JET FUEL BRG FOB RDM VS I	9Q	5	0	0.0%	0	0.0%	5	2	150.0%
JET FUEL CRG CIF NEW VS I	6X	10	0	0.0%	0	0.0%	20	30	-33.3%
JET FUEL UP-DOWN BALMO CL	1M	8,420	3,259	158.4%	6,478	30.0%	38,487	19,072	101.8%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	360	1,010	-64.4%	150	140.0%	1,045	4,162	-74.9%
LA CARBOB GASOLINE(OPIS)S	JL	425	350	21.4%	50	750.0%	1,125	4,350	-74.1%
LA JET FUEL VS NYM NO 2 H	MQ	0	65	-100.0%	0	0.0%	25	750	-96.7%
LA JET (OPIS) SWAP	JS	1,750	1,585	10.4%	650	169.2%	8,710	8,747	-0.4%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	-	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	925	15,481	-94.0%	5,690	-83.7%	22,100	40,775	-45.8%
MARS (ARGUS) VS WTI SWAP	YX	1,560	4,820	-67.6%	3,030	-48.5%	15,721	30,413	-48.3%
MARS (ARGUS) VS WTI TRD M	YV	11,757	8,840	33.0%	15,725	-25.2%	107,759	44,812	140.5%
MARS BLEND CRUDE OIL	MB	850	2,345	-63.8%	4,581	-81.4%	10,615	6,754	57.2%
MCCLOSKEY ARA ARGS COAL	MTF	60,583	159,461	-62.0%	38,311	58.1%	273,221	984,817	-72.3%
MCCLOSKEY RCH BAY COAL	MFF	6,017	9,315	-35.4%	5,319	13.1%	31,694	111,545	-71.6%
MGF FUT	MGF	0	0	0.0%	35	-100.0%	197	100	97.0%
MGN1 SWAP FUT	MGN	80	147	-45.6%	90	-11.1%	622	803	-22.5%
MICHCON NG INDEX SWAP	Y8	0	0	-	0	0.0%	0	0	-
MICHIGAN BASIS	NF	0	5,046	-100.0%	0	0.0%	2,592	12,579	-79.4%
MICHIGAN MISO	HMO	0	0	0.0%	0	0.0%	59,040	127,640	-53.7%





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<b>Energy Futures</b>									
MICHIGAN MISO	HMW	0	0	0.0%	0	0.0%	3,195	7,240	-55.9%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	626	295	112.2%	509	23.0%	2,271	1,858	22.2%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	943	0	0.0%	236	299.6%	2,125	696	205.3%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	2,537	1,476	71.9%	3,289	-22.9%	12,335	5,896	109.2%
MJB FUT	MJB	0	0	0.0%	0	-	0	0	0.0%
MJC FUT	MJC	10	81	-87.7%	0	0.0%	270	449	-39.9%
MNC FUT	MNC	4,373	2,581	69.4%	4,538	-3.6%	22,512	18,980	18.6%
MONT BELVIEU ETHANE 5 DECIMAL	C0	16,241	48,905	-66.8%	18,279	-11.1%	149,208	193,993	-23.1%
MONT BELVIEU ETHANE OPIS BALMO	8C	247	0	0.0%	200	23.5%	2,172	480	352.5%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	96,140	118,040	-18.6%	64,147	49.9%	474,601	468,555	1.3%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,135	790	43.7%	1,366	-16.9%	10,211	2,786	266.5%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	3,961	9,111	-56.5%	2,554	55.1%	22,794	46,056	-50.5%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	50	100	-50.0%	155	-67.7%	1,421	938	51.5%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	23,877	18,297	30.5%	29,639	-19.4%	147,861	116,801	26.6%
MONT BELVIEU NORMAL BUTANE BALMO	8J	388	607	-36.1%	405	-4.2%	4,590	2,987	53.7%
NAT GAS BASIS SWAP	SGW	0	0	0.0%	0	-	0	0	0.0%
NAT GAS BASIS SWAP	TZ6	0	3,348	-100.0%	453	-100.0%	1,737	13,382	-87.0%
NATURAL GAS	HBI	0	0	-	0	0.0%	0	0	-
NATURAL GAS	XIC	0	0	-	0	0.0%	44	0	-
NATURAL GAS	XSC	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	CFS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	0	0	0.0%	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	4,380	-100.0%	0	0.0%	656	4,990	-86.9%
NATURAL GAS PEN SWP	NP	62,503	93,812	-33.4%	61,205	2.1%	482,328	533,747	-9.6%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0.0%	0	11,925	-100.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0.0%	0	635	-100.0%
NEPOOL INTR HUB 5MW D AH	H2	0	46,800	-100.0%	64,300	-100.0%	221,100	103,797	113.0%
NEPOOL INTR HUB 5MW D AH	U6	2,980	3,840	-22.4%	3,480	-14.4%	13,380	7,310	83.0%
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%

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<b>Energy Futures</b>									
NEPOOL NEW HAMP 5MW D AH	U3	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	U4	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	U5	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH O	P5	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH P	P4	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D A	L9	0	0	0.0%	0	0.0%	0	4,000	-100.0%
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0.0%	0	1,685	-100.0%
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	780	585	33.3%	530	47.2%	3,185	9,425	-66.2%
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	JN	0	0	0.0%	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	NL	400	1,988	-79.9%	0	0.0%	1,144	20,810	-94.5%
NGPL MIDCONTINENT INDEX	IW	0	870	-100.0%	0	0.0%	0	5,150	-100.0%
NGPL MIDCONTINENT SWING S	PX	0	0	-	0	0.0%	0	0	-
NGPL TEX/OK	PD	760	513	48.1%	0	0.0%	1,560	20,573	-92.4%
NGPL TEXOK INDEX	OI	0	60	-100.0%	0	0.0%	0	60	-100.0%
N ILLINOIS HUB DAILY	UD	0	0	0.0%	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	UM	0	0	0.0%	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALEN	UT	825	0	0.0%	425	94.1%	3,460	2,375	45.7%
NORTHERN NATURAL GAS DEMAR	PE	0	548	-100.0%	0	0.0%	0	1,595	-100.0%
NORTHERN NATURAL GAS VENTU	PF	84	1,152	-92.7%	0	0.0%	84	5,228	-98.4%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	368	28,473	-98.7%	368	0.0%	982	109,544	-99.1%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	VR	845	3,480	-75.7%	2,042	-58.6%	11,775	11,483	2.5%
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	725	75	866.7%	800	-9.4%	2,985	800	273.1%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	25	-100.0%	25	30	-16.7%
NY HARBOR HEAT OIL SWP	MP	2,125	1,614	31.7%	3,254	-34.7%	12,178	13,474	-9.6%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	775	831	-6.7%	345	124.6%	2,948	3,681	-19.9%
NY HARBOR RESIDUAL FUEL 1	MM	2,182	2,228	-2.1%	2,769	-21.2%	15,862	20,796	-23.7%
NY HARBOR RESIDUAL FUEL C	ML	0	0	0.0%	0	-	0	0	0.0%
NYH NO 2 CRACK SPREAD CAL	HK	1,020	5,302	-80.8%	1,374	-25.8%	8,375	10,240	-18.2%
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%

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<b>Energy Futures</b>									
NYISO CAPACITY	LHV	0	0	-	12	-100.0%	207	0	-
NYISO CAPACITY	NNC	50	370	-86.5%	84	-40.5%	1,430	937	52.6%
NYISO CAPACITY	NRS	300	378	-20.6%	75	300.0%	1,060	1,136	-6.7%
NYISO G	KG	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO G OFF-PEAK	KH	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO J	KJ	0	0	0.0%	0	0.0%	0	172	-100.0%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0.0%	0	80	-100.0%
NYISO ZONE A 5MW D AH O P	K4	0	22,080	-100.0%	0	0.0%	9,360	215,520	-95.7%
NYISO ZONE A 5MW D AH PK	K3	110	0	0.0%	0	0.0%	6,815	640	964.8%
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	110	0	0.0%	0	0.0%	110	0	0.0%
NYISO ZONE G 5MW D AH O P	D2	61,680	0	0.0%	46,800	31.8%	320,880	280,750	14.3%
NYISO ZONE G 5MW D AH PK	T3	11,040	3,420	222.8%	2,990	269.2%	35,590	15,249	133.4%
NYISO ZONE J 5MW D AH O P	D4	46,800	0	0.0%	23,400	100.0%	179,800	102,952	74.6%
NYISO ZONE J 5MW D AH PK	D3	7,650	0	0.0%	1,705	348.7%	16,995	7,767	118.8%
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	317	136	133.1%	275	15.3%	7,364	2,678	175.0%
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	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	55	25	120.0%	0	0.0%	195	115	69.6%
ONTARIO POWER SWAPS	OPM	110	0	0.0%	330	-66.7%	650	440	47.7%
PANHANDLE BASIS SWAP FUTU	PH	0	14,767	-100.0%	0	0.0%	48	47,127	-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%	0	0.0%	864	0	0.0%
PERMIAN BASIS SWAP	PM	0	4,409	-100.0%	214	-100.0%	214	18,484	-98.8%
PETROCHEMICALS	22	102	117	-12.8%	64	59.4%	408	315	29.5%
PETROCHEMICALS	32	92	112	-17.9%	90	2.2%	596	282	111.3%
PETROCHEMICALS	8I	363	18	1,916.7%	156	132.7%	3,186	904	252.4%
PETROCHEMICALS	91	127	344	-63.1%	165	-23.0%	1,076	898	19.8%
PETROCHEMICALS	HPE	0	28	-100.0%	0	0.0%	0	48	-100.0%
PETROCHEMICALS	LPE	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	MAC	0	0	0.0%	0	0.0%	50	110	-54.5%
PETROCHEMICALS	MAE	10	80	-87.5%	0	0.0%	20	220	-90.9%

## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Futures</b>									
PETROCHEMICALS	MAS	30	610	-95.1%	20	50.0%	145	810	-82.1%
PETROCHEMICALS	MBE	1,210	2,410	-49.8%	440	175.0%	5,245	12,895	-59.3%
PETROCHEMICALS	MNB	2,868	3,059	-6.2%	1,093	162.4%	6,470	8,287	-21.9%
PETROCHEMICALS	MPS	10	0	-	0	-	10	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0.0%	105	1,050	-90.0%
PETRO CRCKS & SPRDS ASIA	STR	0	64	-100.0%	0	0.0%	264	64	312.5%
PETRO CRCKS & SPRDS ASIA	STS	150	0	0.0%	0	0.0%	150	0	0.0%
PETRO CRCKS & SPRDS NA	CRB	170	150	13.3%	0	0.0%	780	378	106.3%
PETRO CRCKS & SPRDS NA	EXR	2,582	1,149	124.7%	1,775	45.5%	14,340	7,052	103.3%
PETRO CRCKS & SPRDS NA	FOC	600	200	200.0%	1,125	-46.7%	4,090	2,900	41.0%
PETRO CRCKS & SPRDS NA	GBB	200	225	-11.1%	815	-75.5%	3,405	400	751.2%
PETRO CRCKS & SPRDS NA	GCC	125	100	25.0%	350	-64.3%	800	1,225	-34.7%
PETRO CRCKS & SPRDS NA	GCI	1,966	515	281.7%	984	99.8%	7,461	3,413	118.6%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0.0%	0	35	-100.0%
PETRO CRCKS & SPRDS NA	GCU	5,809	7,129	-18.5%	5,924	-1.9%	34,897	41,082	-15.1%
PETRO CRCKS & SPRDS NA	GFC	50	0	0.0%	0	0.0%	535	0	0.0%
PETRO CRCKS & SPRDS NA	HOB	1,540	4,148	-62.9%	4,561	-66.2%	12,302	23,107	-46.8%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	0.0%	75	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	0.0%	0	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0.0%	86	420	-79.5%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	300	-100.0%	600	100	500.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	0.0%	0	300	-100.0%
PETRO CRCKS & SPRDS NA	RBB	11,069	12,964	-14.6%	6,815	62.4%	47,279	48,341	-2.2%
PETRO CRCKS & SPRDS NA	RVG	11,786	6,705	75.8%	19,560	-39.7%	78,357	33,894	131.2%
PETRO CRCKS & SPRDS NA	SF3	0	15	-100.0%	0	0.0%	6	34	-82.4%
PETRO CRK&SPRD EURO	1NB	780	1,051	-25.8%	847	-7.9%	6,631	9,563	-30.7%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	43	355	153	132.0%	296	19.9%	1,261	862	46.3%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	BOB	2,173	1,496	45.3%	2,021	7.5%	11,724	10,641	10.2%
PETRO CRK&SPRD EURO	EOB	0	5	-100.0%	0	0.0%	68	75	-9.3%
PETRO CRK&SPRD EURO	EPN	473	367	28.9%	282	67.7%	2,003	1,021	96.2%
PETRO CRK&SPRD EURO	EVC	2,350	1,495	57.2%	2,292	2.5%	15,232	6,993	117.8%
PETRO CRK&SPRD EURO	FBT	0	0	0.0%	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	275	200	37.5%	0	0.0%	675	760	-11.2%



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Commodity		VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Futures</b>									
PETRO CRK&SPRD EURO	GOC	0	15	-100.0%	0	0.0%	35	54	-35.2%
PETRO CRK&SPRD EURO	LSU	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0.0%	70	0	0.0%
PETRO CRK&SPRD EURO	MUD	40	107	-62.6%	160	-75.0%	686	523	31.2%
PETRO CRK&SPRD EURO	NBB	25	20	25.0%	26	-3.8%	89	100	-11.0%
PETRO CRK&SPRD EURO	NOB	976	195	400.5%	1,170	-16.6%	5,474	1,429	283.1%
PETRO CRK&SPRD EURO	SFB	0	40	-100.0%	25	-100.0%	155	65	138.5%
PETRO CRK&SPRD EURO	SFC	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D44	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D45	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D46	0	0	-	0	0.0%	0	0	-
PETROLEUM PRODUCTS	D64	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D65	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	EWG	2,415	425	468.2%	3,058	-21.0%	15,512	475	3,165.7%
PETROLEUM PRODUCTS	MBS	0	50	-100.0%	0	0.0%	80	521	-84.6%
PETROLEUM PRODUCTS	MGS	20	0	-	0	-	20	0	-
PETROLEUM PRODUCTS	MHE	0	0	-	0	0.0%	0	0	-
PETROLEUM PRODUCTS	MME	20	0	-	0	-	20	0	-
PETROLEUM PRODUCTS	MPE	100	185	-45.9%	0	0.0%	100	1,363	-92.7%
PETROLEUM PRODUCTS	VU	95	0	0.0%	200	-52.5%	799	884	-9.6%
PETROLEUM PRODUCTS ASIA	E6M	34	65	-47.7%	47	-27.7%	96	427	-77.5%
PETROLEUM PRODUCTS ASIA	MJN	2,171	1,210	79.4%	2,044	6.2%	9,607	5,925	62.1%
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	119	-100.0%	0	0.0%	43	788	-94.5%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0.0%	0	76	-100.0%
PETRO OUTRIGHT EURO	0D	2,313	3,784	-38.9%	1,787	29.4%	12,955	22,776	-43.1%
PETRO OUTRIGHT EURO	0E	378	868	-56.5%	551	-31.4%	2,996	4,472	-33.0%
PETRO OUTRIGHT EURO	0F	1,316	535	146.0%	1,780	-26.1%	7,139	4,438	60.9%
PETRO OUTRIGHT EURO	1T	12	0	0.0%	12	0.0%	60	20	200.0%
PETRO OUTRIGHT EURO	33	0	30	-100.0%	0	0.0%	80	194	-58.8%
PETRO OUTRIGHT EURO	5L	77	280	-72.5%	30	156.7%	411	680	-39.6%
PETRO OUTRIGHT EURO	63	0	170	-100.0%	105	-100.0%	462	707	-34.7%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0.0%	2	0	0.0%
PETRO OUTRIGHT EURO	7I	121	25	384.0%	50	142.0%	530	725	-26.9%

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## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Futures</b>									
PETRO OUTRIGHT EURO	7P	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	7R	223	265	-15.8%	119	87.4%	1,060	1,263	-16.1%
PETRO OUTRIGHT EURO	88	0	35	-100.0%	0	0.0%	0	55	-100.0%
PETRO OUTRIGHT EURO	CBB	0	0	-	0	0.0%	42	0	-
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0.0%	0	6	-100.0%
PETRO OUTRIGHT EURO	CPB	110	10	1,000.0%	75	46.7%	1,803	197	815.2%
PETRO OUTRIGHT EURO	EFF	0	30	-100.0%	50	-100.0%	270	311	-13.2%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	166	-100.0%	296	90	228.9%
PETRO OUTRIGHT EURO	ENS	0	75	-100.0%	0	0.0%	60	583	-89.7%
PETRO OUTRIGHT EURO	ESB	0	0	-	0	0.0%	6	0	-
PETRO OUTRIGHT EURO	EWN	508	50	916.0%	1,145	-55.6%	3,627	637	469.4%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	0.0%	20	0	0.0%
PETRO OUTRIGHT EURO	MBB	30	0	0.0%	0	0.0%	150	34	341.2%
PETRO OUTRIGHT EURO	MBN	1,155	1,162	-0.6%	280	312.5%	3,673	5,489	-33.1%
PETRO OUTRIGHT EURO	SMU	40	40	0.0%	0	0.0%	40	40	0.0%
PETRO OUTRIGHT EURO	T0	0	5	-100.0%	0	0.0%	110	192	-42.7%
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	0.0%	375	90	316.7%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0.0%	150	0	0.0%
PETRO OUTRIGHT EURO	W0	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO OUTRIGHT EURO	X0	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	Y0	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	FCB	204	256	-20.3%	32	537.5%	758	482	57.3%
PETRO OUTRIGHT NA	FOB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	30	-100.0%	40	3	1,233.3%
PETRO OUTRIGHT NA	GBA	0	8	-100.0%	0	0.0%	0	8	-100.0%
PETRO OUTRIGHT NA	GUD	0	13	-100.0%	0	0.0%	0	13	-100.0%
PETRO OUTRIGHT NA	JE	132	0	0.0%	0	0.0%	150	439	-65.8%
PETRO OUTRIGHT NA	JET	2,195	1,915	14.6%	3,283	-33.1%	20,547	9,085	126.2%
PETRO OUTRIGHT NA	JTB	300	0	-	0	-	300	0	-
PETRO OUTRIGHT NA	MBL	0	90	-100.0%	0	0.0%	135	90	50.0%
PETRO OUTRIGHT NA	MEN	646	395	63.5%	797	-18.9%	3,693	3,764	-1.9%
PETRO OUTRIGHT NA	MEO	10,013	8,787	14.0%	9,124	9.7%	56,892	45,749	24.4%
PETRO OUTRIGHT NA	MFD	25	0	0.0%	0	0.0%	25	300	-91.7%
PETRO OUTRIGHT NA	MMF	53	215	-75.3%	40	32.5%	416	883	-52.9%
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%



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Commodity		VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Futures</b>									
PJM AD HUB 5MW REAL TIME	V3	0	184,520	-100.0%	0	0.0%	264,125	875,456	-69.8%
PJM AD HUB 5MW REAL TIME	Z9	220	13,943	-98.4%	2,550	-91.4%	18,930	54,667	-65.4%
PJM AECO DA OFF-PEAK	X1	0	0	0.0%	0	0.0%	0	0	0.0%
PJM AECO DA PEAK	Y1	0	0	0.0%	0	0.0%	0	0	0.0%
PJM APS ZONE DA OFF-PEAK	W4	0	0	0.0%	0	0.0%	0	0	0.0%
PJM APS ZONE DA PEAK	S4	0	0	0.0%	0	0.0%	0	0	0.0%
PJM ATSI ELEC	MOD	0	0	0.0%	0	0.0%	46,800	0	0.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0.0%	2,550	0	0.0%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0.0%	0	23,400	-100.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0.0%	0	1,275	-100.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	46,800	-100.0%	85,390	187,200	-54.4%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	2,550	-100.0%	4,675	10,200	-54.2%
PJM DAILY	JD	0	1,300	-100.0%	0	0.0%	0	1,300	-100.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0.0%	211,995	21,305	895.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0.0%	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	4,645	5,740	-19.1%	34,130	-86.4%	73,410	24,783	196.2%
PJM NI HUB 5MW REAL TIME	B6	19,220	145,720	-86.8%	662,960	-97.1%	1,592,450	700,557	127.3%
PJM NILL DA OFF-PEAK	L3	3,680	7,387	-50.2%	504,194	-99.3%	661,967	306,222	116.2%
PJM NILL DA PEAK	N3	1,275	547	133.1%	19,594	-93.5%	37,751	13,495	179.7%
PJM OFF-PEAK LMP SWAP FUT	JP	0	140	-100.0%	0	0.0%	0	140	-100.0%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	0.0%	0	0.0%	0	0	0.0%
PJM 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	0	0.0%	0	0.0%	0	163,800	-100.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0.0%	0	5,100	-100.0%
PJM WES HUB PEAK LMP 50 M	4S	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0.0%	7,500	417,490	-98.2%
PJM WESTHDA PEAK	J4	0	0	0.0%	880	-100.0%	1,340	20,960	-93.6%
PJM WESTH RT OFF-PEAK	N9	241,380	557,530	-56.7%	653,480	-63.1%	1,458,195	4,000,491	-63.5%
PJM WESTH RT PEAK	L1	40,175	42,005	-4.4%	31,817	26.3%	126,414	331,734	-61.9%
PLASTICS	PGP	475	0	0.0%	723	-34.3%	2,593	1,801	44.0%

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## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Futures</b>									
PREMIUM UNLND 10P FOB MED	3G	95	80	18.8%	10	850.0%	326	1,600	-79.6%
PREMIUM UNLEAD 10PPM FOB	8G	65	3	2,066.7%	14	364.3%	100	164	-39.0%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	0.0%	0	0.0%	7	2	250.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	5	27	-81.5%	0	0.0%	37	173	-78.6%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	45	530	-91.5%	122	-63.1%	3,496	1,479	136.4%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	4,477	15,728	-71.5%	5,219	-14.2%	41,147	50,780	-19.0%
RBOB CALENDAR SWAP	RL	5,743	5,614	2.3%	7,253	-20.8%	35,137	27,043	29.9%
RBOB CRACK SPREAD	RM	100	1,999	-95.0%	360	-72.2%	2,079	9,901	-79.0%
RBOB CRACK SPREAD BALMO S	1E	0	25	-100.0%	0	0.0%	0	25	-100.0%
RBOB GASOLINE BALMO CLNDR	1D	1,704	1,126	51.3%	471	261.8%	4,117	3,326	23.8%
RBOB PHY	RBL	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB (PLATTS) CAL SWAP	RY	0	0	-	0	0.0%	0	0	-
RBOB SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB UP-DOWN CALENDAR SWA	RV	0	0	0.0%	0	0.0%	0	9,203	-100.0%
RBOB VS HEATING OIL SWAP	RH	1,220	1,705	-28.4%	625	95.2%	10,805	6,711	61.0%
ROCKIES KERN OPAL - NW IN	IR	0	0	0.0%	0	0.0%	0	736	-100.0%
SAN JUAN BASIS SWAP	NJ	0	15,212	-100.0%	214	-100.0%	214	36,178	-99.4%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE 180CST BALMO	BS	70	25	180.0%	110	-36.4%	312	329	-5.2%
SINGAPORE 380CST BALMO	BT	261	164	59.1%	307	-15.0%	1,108	718	54.3%
SINGAPORE 380CST FUEL OIL	SE	9,536	5,216	82.8%	9,680	-1.5%	59,787	28,204	112.0%
SINGAPORE FUEL 180CST CAL	UA	760	1,538	-50.6%	1,307	-41.9%	6,157	6,605	-6.8%
SINGAPORE FUEL OIL SPREAD	SD	859	917	-6.3%	678	26.7%	4,452	2,369	87.9%
SINGAPORE GASOIL	MTB	120	172	-30.2%	125	-4.0%	773	1,420	-45.6%
SINGAPORE GASOIL	MTS	4,530	4,067	11.4%	4,199	7.9%	25,189	16,789	50.0%
SINGAPORE GASOIL	STL	0	0	0.0%	0	0.0%	0	100	-100.0%
SINGAPORE GASOIL	STZ	300	0	0.0%	0	0.0%	700	0	0.0%
SINGAPORE GASOIL CALENDAR	MSG	145	0	0.0%	400	-63.8%	1,719	187	819.3%
SINGAPORE GASOIL SWAP	SG	8,898	4,527	96.6%	8,747	1.7%	53,848	18,817	186.2%
SINGAPORE GASOIL VS ICE	GA	2,954	4,540	-34.9%	4,855	-39.2%	47,229	9,200	413.4%
SINGAPORE JET KERO BALMO	BX	155	0	0.0%	0	0.0%	412	56	635.7%
SINGAPORE JET KERO GASOIL	RK	1,975	50	3,850.0%	2,275	-13.2%	11,555	3,080	275.2%
SINGAPORE JET KEROSENE SW	KS	1,115	150	643.3%	1,125	-0.9%	6,884	2,440	182.1%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	761	568	34.0%	315	141.6%	1,183	2,803	-57.8%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	2,896	3,153	-8.2%	7,669	-62.2%	37,441	31,257	19.8%

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## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Futures</b>									
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	5	0	0.0%	10	-50.0%	40	5	700.0%
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%
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	0	0.0%	0	368	-100.0%
SOUTHERN NAT LA NAT GAS	M8	0	0	0.0%	0	0.0%	0	522	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	0.0%	0	0.0%	0	264	-100.0%
Sumas Basis Swap	NK	1,029	7,953	-87.1%	702	46.6%	4,685	12,161	-61.5%
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	186	60	210.0%	4,868	-96.2%	7,402	13,631	-45.7%
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	393	-100.0%	0	0.0%	428	393	8.9%
TENNESSEE 800 LEG NG BASI	6Z	0	306	-100.0%	0	0.0%	0	734	-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	2,936	-100.0%	0	0.0%	0	6,998	-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	6,677	-100.0%	0	0.0%	7,547	41,660	-81.9%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 1 NG BASIS	8E	0	0	0.0%	0	-	0	0	0.0%
Transco Zone 3 Basis	CZ	0	120	-100.0%	302	-100.0%	302	610	-50.5%
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	-	6,256	-100.0%	6,256	0	-
TRANSCO ZONE4 BASIS SWAP	TR	0	1,789	-100.0%	403	-100.0%	5,891	12,494	-52.8%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	465	-100.0%	465	496	-6.3%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	332	-100.0%	0	0.0%	2,870	4,501	-36.2%
TRANSCO ZONE 6 INDEX	IT	0	856	-100.0%	0	0.0%	856	5,410	-84.2%
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	0	0.0%	0	-	0	0	0.0%
UCM FUT	UCM	89	45	97.8%	20	345.0%	170	165	3.0%
ULSD 10PPM CIF MED BALMO	X7	0	3	-100.0%	0	0.0%	0	38	-100.0%
ULSD 10PPM CIF MED SWAP	Z6	5	3	66.7%	15	-66.7%	30	45	-33.3%
ULSD 10PPM CIF MED VS ICE	Z7	0	33	-100.0%	15	-100.0%	21	108	-80.6%
ULSD 10PPM CIF VS ICE GAS	7V	0	0	0.0%	0	0.0%	0	35	-100.0%

## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Futures</b>									
ULSD UP-DOWN BALMO SWP	1L	3,380	4,113	-17.8%	2,715	24.5%	20,485	17,223	18.9%
UP DOWN GC ULSD VS NMX HO	LT	40,018	46,969	-14.8%	32,710	22.3%	213,496	258,832	-17.5%
USGC UNL 87 CRACK SPREAD	RU	0	0	0.0%	0	0.0%	0	175	-100.0%
VENTURA NAT GAS PLATTS FIXED PRICE	DVA	0	0	0.0%	0	-	0	0	0.0%
WAHA BASIS	NW	0	6,109	-100.0%	151	-100.0%	882	20,719	-95.7%
WAHA INDEX SWAP FUTURE	IY	0	972	-100.0%	0	0.0%	0	5,492	-100.0%
WESTERN RAIL DELIVERY PRB	QP	1,425	330	331.8%	195	630.8%	2,160	5,426	-60.2%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0.0%	404	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	3,196	12,525	-74.5%	5,185	-38.4%	36,013	55,902	-35.6%
WTI CALENDAR	CS	32,447	31,587	2.7%	36,677	-11.5%	181,896	163,084	11.5%
WTS (ARGUS) VS WTI SWAP	FF	480	2,340	-79.5%	6,270	-92.3%	17,139	6,560	161.3%
WTS (ARGUS) VS WTI TRD MT	FH	0	2,920	-100.0%	0	0.0%	2,410	6,225	-61.3%
<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	390	3,805	-89.8%	20	1,850.0%	2,372	9,866	-76.0%
BRENT OIL LAST DAY	BE	250	6,000	-95.8%	8,572	-97.1%	14,930	21,666	-31.1%
BRENT OIL LAST DAY	BZO	42,621	17,979	137.1%	16,033	165.8%	116,476	35,087	232.0%
BRENT OIL LAST DAY	OS	1,000	204	390.2%	0	0.0%	2,048	6,914	-70.4%
COAL API2 INDEX	CLA	550	4,900	-88.8%	1,445	-61.9%	5,881	33,605	-82.5%
COAL API2 INDEX	CQA	30	10,875	-99.7%	0	0.0%	610	97,434	-99.4%
COAL API2 INDEX	MTC	0	0	0.0%	0	0.0%	50	150	-66.7%
COAL API4 INDEX	RLA	0	0	0.0%	0	0.0%	0	50	-100.0%
COAL API4 INDEX	RQA	0	0	0.0%	0	0.0%	0	1,330	-100.0%
COAL SWAP	CPF	0	0	0.0%	0	0.0%	140	385	-63.6%
COAL SWAP	RPF	0	0	0.0%	0	0.0%	85	46	84.8%
CRUDE OIL 1MO	WA	200,919	215,866	-6.9%	123,770	62.3%	864,672	1,056,000	-18.1%
CRUDE OIL APO	AO	26,350	30,991	-15.0%	40,228	-34.5%	164,268	118,608	38.5%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	AH	0	1,000	-100.0%	0	0.0%	0	1,150	-100.0%
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	CD	2,950	6,600	-55.3%	1,135	159.9%	9,510	18,575	-48.8%
CRUDE OIL PHY	LC	43,660	16,956	157.5%	36,890	18.4%	177,599	215,199	-17.5%
CRUDE OIL PHY	LO	5,310,714	3,403,013	56.1%	3,979,098	33.5%	20,159,249	19,239,687	4.8%

## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Options</b>									
CRUDE OIL PHY	LO1	23,629	5,293	346.4%	10,215	131.3%	60,437	25,711	135.1%
CRUDE OIL PHY	LO2	18,062	2,882	526.7%	6,413	181.6%	50,346	20,419	146.6%
CRUDE OIL PHY	LO3	12,193	5,493	122.0%	13,478	-9.5%	41,723	12,738	227.5%
CRUDE OIL PHY	LO4	28,646	5,719	400.9%	20,137	42.3%	75,061	21,879	243.1%
CRUDE OIL PHY	LO5	0	0	0.0%	0	0.0%	13,633	10,875	25.4%
DAILY CRUDE OIL	DNM	0	0	0.0%	0	-	0	0	0.0%
ELEC FINSETTLED	PML	0	34	-100.0%	0	0.0%	0	145	-100.0%
ELEC MISO PEAK	9T	0	0	0.0%	0	0.0%	820	0	0.0%
ELECTRICITY OFF PEAK	N9P	0	0	0.0%	0	-	0	0	0.0%
ETHANOL	CE1	10	0	0.0%	15	-33.3%	75	25	200.0%
ETHANOL	CE3	0	0	0.0%	0	0.0%	300	25	1,100.0%
ETHANOL SWAP	CVR	4,334	5,081	-14.7%	5,395	-19.7%	26,041	27,866	-6.5%
ETHANOL SWAP	GVR	150	30	400.0%	515	-70.9%	920	1,198	-23.2%
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	6	0	0.0%	0	0.0%	906	1,229	-26.3%
HEATING OIL PHY	OH	52,881	58,151	-9.1%	26,585	98.9%	158,624	285,216	-44.4%
HENRY HUB FINANCIAL LAST	E7	3,342	1,479	126.0%	3,480	-4.0%	19,483	6,548	197.5%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	1,300	-100.0%	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	4,200	-100.0%	0	0.0%	5,100	8,730	-41.6%
MCCLOSKEY ARA ARGS COAL	MTO	210	1,495	-86.0%	0	0.0%	750	8,485	-91.2%
MCCLOSKEY RCH BAY COAL	MFO	0	1,035	-100.0%	0	0.0%	0	2,385	-100.0%
NATURAL GAS	G10	200	0	0.0%	250	-20.0%	450	500	-10.0%
NATURAL GAS 12 M CSO FIN	G7	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	72,225	325	22,123.1%	109,700	-34.2%	237,925	31,180	663.1%
NATURAL GAS 2 M CSO FIN	G2	550	0	0.0%	0	0.0%	3,300	1,000	230.0%
NATURAL GAS 3 M CSO FIN	G3	24,300	50,325	-51.7%	5,750	322.6%	43,950	108,507	-59.5%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	825	-100.0%	4,050	1,200	237.5%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0.0%	33,870	4,100	726.1%
NATURAL GAS OPTION ON CALENDAR STRP	6J	198	500	-60.4%	120	65.0%	3,998	11,878	-66.3%
NATURAL GAS PHY	KD	37,625	32,670	15.2%	29,266	28.6%	156,604	169,572	-7.6%

## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Energy Options</b>									
NATURAL GAS PHY	LN	2,388,318	1,487,039	60.6%	1,873,814	27.5%	11,522,921	8,993,142	28.1%
NATURAL GAS PHY	ON	194,726	208,333	-6.5%	157,581	23.6%	1,030,528	1,337,120	-22.9%
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	250	-100.0%	0	0.0%	0	500	-100.0%
N ROCKIES PIPE SWAP	ZR	450	720	-37.5%	450	0.0%	1,956	2,070	-5.5%
NY HARBOR HEAT OIL SWP	AT	3,317	4,787	-30.7%	3,190	4.0%	15,560	29,125	-46.6%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	420	-100.0%	0	0.0%	19,830	420	4,621.4%
NYMEX EUROPEAN GASOIL APO	F7	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL OPT	F8	0	0	0.0%	0	0.0%	0	0	0.0%
PANHANDLE PIPE SWAP	PU	0	0	-	0	0.0%	2,880	0	-
PETROCHEMICALS	4H	172	483	-64.4%	515	-66.6%	2,469	7,913	-68.8%
PETROCHEMICALS	4I	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	4J	240	1,200	-80.0%	255	-5.9%	2,420	3,150	-23.2%
PETROCHEMICALS	4K	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	CPR	0	0	0.0%	18	-100.0%	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	80	0	0.0%	480	-83.3%	2,620	140	1,771.4%
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	1,294	205	531.2%	1,752	-26.1%	11,213	1,569	614.7%
RBOB 1MO CAL SPD OPTIONS	ZA	0	1,700	-100.0%	0	0.0%	0	3,400	-100.0%
RBOB CALENDAR SWAP	RA	110	2,426	-95.5%	460	-76.1%	2,135	4,599	-53.6%
RBOB PHY	OB	36,693	38,918	-5.7%	35,868	2.3%	130,279	224,859	-42.1%
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	360	1,710	-78.9%	270	33.3%	1,260	2,832	-55.5%
SHORT TERM	U11	1,280	200	540.0%	400	220.0%	2,450	1,500	63.3%
SHORT TERM	U12	479	650	-26.3%	325	47.4%	1,399	2,180	-35.8%
SHORT TERM	U13	0	50	-100.0%	50	-100.0%	975	2,586	-62.3%
SHORT TERM	U14	0	0	0.0%	0	0.0%	800	3,225	-75.2%
SHORT TERM	U15	1,130	0	0.0%	0	0.0%	2,745	1,400	96.1%
SHORT TERM	U22	350	0	0.0%	0	0.0%	800	1,650	-51.5%



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<b>Energy Options</b>									
SHORT TERM	U23	240	200	20.0%	0	0.0%	860	500	72.0%
SHORT TERM	U24	490	430	14.0%	730	-32.9%	1,720	980	75.5%
SHORT TERM	U25	0	0	0.0%	0	0.0%	100	205	-51.2%
SHORT TERM	U26	40	150	-73.3%	20	100.0%	60	1,230	-95.1%
SHORT TERM CRUDE OIL	C02	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM NATURAL GAS	U01	890	500	78.0%	425	109.4%	2,040	2,575	-20.8%
SHORT TERM NATURAL GAS	U02	430	0	0.0%	0	0.0%	1,285	2,975	-56.8%
SHORT TERM NATURAL GAS	U03	480	225	113.3%	0	0.0%	1,370	525	161.0%
SHORT TERM NATURAL GAS	U04	530	1,000	-47.0%	125	324.0%	730	2,500	-70.8%
SHORT TERM NATURAL GAS	U05	130	575	-77.4%	550	-76.4%	730	2,025	-64.0%
SHORT TERM NATURAL GAS	U06	0	550	-100.0%	600	-100.0%	4,500	1,830	145.9%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	500	-100.0%	1,675	3,000	-44.2%
SHORT TERM NATURAL GAS	U08	270	0	0.0%	0	0.0%	2,120	1,347	57.4%
SHORT TERM NATURAL GAS	U09	380	620	-38.7%	0	0.0%	1,760	1,967	-10.5%
SHORT TERM NATURAL GAS	U10	57	175	-67.4%	300	-81.0%	3,757	2,890	30.0%
SHORT TERM NATURAL GAS	U16	480	250	92.0%	0	0.0%	880	1,535	-42.7%
SHORT TERM NATURAL GAS	U17	754	300	151.3%	0	0.0%	1,909	680	180.7%
SHORT TERM NATURAL GAS	U18	417	555	-24.9%	0	0.0%	417	1,555	-73.2%
SHORT TERM NATURAL GAS	U19	350	300	16.7%	0	0.0%	1,155	1,080	6.9%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	50	-100.0%	1,525	730	108.9%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	250	-100.0%	665	475	40.0%
SHORT TERM NATURAL GAS	U27	0	500	-100.0%	120	-100.0%	1,870	800	133.8%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	45	-100.0%	245	1,925	-87.3%
SHORT TERM NATURAL GAS	U29	0	0	0.0%	0	0.0%	0	2,075	-100.0%
SHORT TERM NATURAL GAS	U30	1,135	0	0.0%	0	0.0%	1,795	500	259.0%
SHORT TERM NATURAL GAS	U31	1,865	0	0.0%	0	0.0%	5,250	750	600.0%
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 CALEND	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	28,622	9,300	207.8%	31,273	-8.5%	219,755	114,790	91.4%
WTI CRUDE OIL 1 M CSO FI	7A	108,900	117,092	-7.0%	27,200	300.4%	308,200	866,673	-64.4%

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## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>Metals Futures</b>									
COMEX GOLD	GC	6,367,370	5,880,117	8.3%	4,612,180	38.1%	27,470,164	23,974,325	14.6%
NYMEX HOT ROLLED STEEL	HR	7,188	2,303	212.1%	1,182	508.1%	19,638	25,327	-22.5%
NYMEX PLATINUM	PL	354,263	249,861	41.8%	280,575	26.3%	1,782,943	1,458,777	22.2%
PALLADIUM	PA	191,603	142,585	34.4%	97,861	95.8%	641,379	574,677	11.6%
URANIUM	UX	915	1,054	-13.2%	200	357.5%	3,409	6,093	-44.1%
COMEX SILVER	SI	1,904,525	1,183,591	60.9%	2,120,883	-10.2%	8,744,651	7,024,770	24.5%
COMEX E-Mini GOLD	QO	7,638	11,527	-33.7%	7,370	3.6%	46,015	52,888	-13.0%
COMEX E-Mini SILVER	QI	1,092	1,229	-11.1%	720	51.7%	4,498	4,808	-6.4%
COMEX COPPER	HG	1,867,384	1,522,941	22.6%	2,266,785	-17.6%	10,002,625	8,232,021	21.5%
COMEX MINY COPPER	QC	499	392	27.3%	790	-36.8%	4,113	3,222	27.7%
Aluminium MW Trans Prem Platts	AUP	6,279	4,132	52.0%	4,953	26.8%	41,019	29,607	38.5%
ALUMINUM	A38	0	0	-	0	0.0%	30	0	-
ALUMINUM	AEP	230	380	-39.5%	1,405	-83.6%	15,689	5,359	192.8%
ALUMINUM	ALA	50	0	-	0	0.0%	150	0	-
ALUMINUM	ALI	260	521	-50.1%	220	18.2%	4,791	2,893	65.6%
ALUMINUM	EDP	1,820	684	166.1%	375	385.3%	2,797	924	202.7%
ALUMINUM	MJP	90	872	-89.7%	0	0.0%	4,748	3,172	49.7%
COPPER	HGS	0	40	-100.0%	307	-100.0%	923	2,157	-57.2%
E-MICRO GOLD	MGC	92,165	103,808	-11.2%	84,964	8.5%	437,386	454,193	-3.7%
FERROUS PRODUCTS	BUS	90	30	200.0%	30	200.0%	305	420	-27.4%
FERROUS PRODUCTS	SSF	0	0	0.0%	0	-	0	0	0.0%
GOLD	GPS	0	0	-	0	0.0%	0	0	-
Gold Kilo	GCK	290	3,712	-92.2%	230	26.1%	1,921	28,028	-93.1%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	220	1,280	-82.8%	0	0.0%	1,512	2,470	-38.8%
IRON ORE 62 CHINA TSI FUTURES	TIO	16,195	11,900	36.1%	11,349	42.7%	60,221	101,798	-40.8%
LNDN ZINC	ZNC	15	36	-58.3%	15	0.0%	50	115	-56.5%
METALS	LED	0	0	-	0	0.0%	0	0	-
SILVER	SIL	5,780	6,961	-17.0%	4,643	24.5%	25,470	37,561	-32.2%
<b>Metals Options</b>									
COMEX COPPER	HX	4,340	3,255	33.3%	3,989	8.8%	20,272	11,080	83.0%
COMEX GOLD	OG	867,495	817,698	6.1%	783,992	10.7%	4,001,726	4,305,186	-7.0%
COMEX SILVER	SO	152,980	101,348	50.9%	113,784	34.4%	571,640	567,120	0.8%
COPPER	H4E	0	0	0.0%	0	-	0	0	0.0%



## NYMEX/COMEX Exchange Volume Report - Monthly

	Commodity	VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Metals Options									
GOLD	OG1	4,124	1,050	292.8%	2,331	76.9%	13,730	5,000	174.6%
GOLD	OG2	3,808	967	293.8%	2,814	35.3%	13,646	5,292	157.9%
GOLD	OG3	6,016	1,415	325.2%	3,813	57.8%	19,370	4,663	315.4%
GOLD	OG4	1,267	572	121.5%	1,997	-36.6%	6,030	2,794	115.8%
GOLD	OG5	0	0	0.0%	0	0.0%	2,608	1,810	44.1%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	140	550	-74.5%	3,250	-95.7%	7,972	31,581	-74.8%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	1,500	2,894	-48.2%	460	226.1%	14,185	16,124	-12.0%
NYMEX PLATINUM	PO	3,035	5,638	-46.2%	2,595	17.0%	13,388	23,976	-44.2%
PALLADIUM	PAO	5,840	1,700	243.5%	4,702	24.2%	19,437	14,259	36.3%
SILVER	SO1	241	0	0.0%	111	117.1%	464	12	3,766.7%
SILVER	SO2	0	0	0.0%	0	0.0%	140	1	13,900.0%
SILVER	SO3	382	0	0.0%	0	0.0%	562	5	11,140.0%
SILVER	SO4	51	0	0.0%	7	628.6%	94	9	944.4%
SILVER	SO5	0	0	0.0%	0	0.0%	0	6	-100.0%
TOTAL FUTURES GROUP									
Commodities and Alternative Investments Futures		58	274	-78.8%	24	141.7%	153	1,752	-91.3%
Energy Futures		50,023,364	41,102,880	21.7%	41,649,505	20.1%	225,768,885	219,842,204	2.7%
Metals Futures		10,825,961	9,129,956	18.6%	9,497,037	14.0%	49,316,447	42,025,605	17.3%
TOTAL FUTURES		60,849,383	50,233,110	21.1%	51,146,566	19.0%	275,085,485	261,869,561	5.0%
TOTAL OPTIONS GROUP									
Energy Options		8,683,454	5,774,714	50.4%	6,578,251	32.0%	35,779,547	33,286,387	7.5%
Metals Options		1,051,219	937,087	12.2%	923,845	13.8%	4,705,264	4,988,918	-5.7%
TOTAL OPTIONS		9,734,673	6,711,801	45.0%	7,502,096	29.8%	40,484,811	38,275,305	5.8%

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## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
<b>TOTAL COMBINED</b>								
Commodities and Alternative Investments	58	274	-78.8%	24	141.7%	153	1,752	-91.3%
Energy	58,706,818	46,877,594	25.2%	48,227,756	21.7%	261,548,432	253,128,591	3.3%
Metals	11,877,180	10,067,043	18.0%	10,420,882	14.0%	54,021,711	47,014,523	14.9%
<b>GRAND TOTAL</b>	<b>70,584,056</b>	<b>56,944,911</b>	<b>24.0%</b>	<b>58,648,662</b>	<b>20.4%</b>	<b>315,570,296</b>	<b>300,144,866</b>	<b>5.1%</b>