



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Commodities and Alternative Investments Futures									
COCOA TAS	CJ	0	182	-100.0%	7	-100.0%	81	1,517	-94.7%
COFFEE	KT	0	6	-100.0%	0	0.0%	40	137	-70.8%
COTTON	TT	0	124	-100.0%	1	-100.0%	15	470	-96.8%
SUGAR 11	YO	5	54	-90.7%	7	-28.6%	37	378	-90.2%
Energy Futures									
CRUDE OIL PHY	CL	27,618,101	18,841,451	46.6%	29,140,589	-5.2%	174,885,389	155,010,664	12.8%
CRUDE OIL	WS	5,704	280	1,937.1%	0	0.0%	38,983	76,253	-48.9%
MINY WTI CRUDE OIL	QM	254,223	215,615	17.9%	307,971	-17.5%	1,815,186	2,045,808	-11.3%
BRENT OIL LAST DAY	BZ	1,434,996	1,634,124	-12.2%	2,164,588	-33.7%	13,779,538	14,219,424	-3.1%
HEATING OIL PHY	HO	3,601,087	3,052,514	18.0%	3,642,296	-1.1%	24,355,136	22,626,448	7.6%
HTG OIL	BH	36	116	-69.0%	48	-25.0%	168	5,402	-96.9%
MINY HTG OIL	QH	4	21	-81.0%	1	300.0%	18	72	-75.0%
RBOB PHY	RB	4,065,768	3,426,991	18.6%	4,454,360	-8.7%	29,147,747	26,137,740	11.5%
MINY RBOB GAS	QU	3	3	0.0%	4	-25.0%	31	27	14.8%
NATURAL GAS	HP	119,466	148,041	-19.3%	176,033	-32.1%	1,069,885	868,891	23.1%
LTD NAT GAS	HH	254,840	176,514	44.4%	359,310	-29.1%	2,073,896	1,608,546	28.9%
MINY NATURAL GAS	QG	16,566	24,762	-33.1%	20,763	-20.2%	184,590	174,111	6.0%
PJM MONTHLY	JM	0	40	-100.0%	0	0.0%	120	2,898	-95.9%
NATURAL GAS PHY	NG	7,515,283	6,769,102	11.0%	9,195,026	-18.3%	60,643,270	52,210,723	16.2%
RBOB GAS	RT	5,182	1,526	239.6%	2,510	106.5%	15,952	8,901	79.2%
3.5% FUEL OIL CID MED SWA	7D	5	121	-95.9%	0	0.0%	877	1,751	-49.9%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	0	0.0%	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	240	-100.0%	0	0.0%	0	240	-100.0%
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	0.0%	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	N7	0	1,580	-100.0%	0	0.0%	0	5,740	-100.0%
ALGONQUIN CITYGATES BASIS	B4	0	1,588	-100.0%	0	0.0%	0	5,417	-100.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	0	0.0%	0	0	0.0%
ANR OKLAHOMA	NE	0	248	-100.0%	0	0.0%	0	3,539	-100.0%
APPALACHIAN COAL (PHY)	QL	0	0	0.0%	0	0.0%	0	130	-100.0%
ARGUS LLS VS. WTI (ARG) T	E5	6,155	14,270	-56.9%	3,065	100.8%	42,760	97,655	-56.2%
ARGUS PROPAN FAR EST INDE	7E	3,541	1,671	111.9%	2,757	28.4%	13,095	10,993	19.1%

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Energy Futures									
ARGUS PROPAN(SAUDI ARAMCO	9N	837	719	16.4%	818	2.3%	6,594	6,908	-4.5%
AUSTRIALIAN COKE COAL	ALW	0	131	-100.0%	0	0.0%	993	2,873	-65.4%
BRENT BALMO SWAP	J9	190	40	375.0%	150	26.7%	478	810	-41.0%
BRENT CALENDAR SWAP	CY	3,959	2,919	35.6%	644	514.8%	16,920	16,917	0.0%
BRENT CFD SWAP	6W	0	0	0.0%	0	-	0	0	0.0%
BRENT FINANCIAL FUTURES	BB	835	260	221.2%	16,120	-94.8%	41,011	2,087	1,865.1%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0.0%	0	1,424	-100.0%
BRENT FINANCIAL FUTURES	MDB	80	105	-23.8%	120	-33.3%	200	413	-51.6%
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 MW P	9X	0	0	-	0	0.0%	7,940	0	-
CAISO SP15 EZGNHUB5 PEAK	9Z	0	0	-	0	0.0%	0	0	-
CANADIAN LIGHT SWEET OIL	CIL	15	90	-83.3%	165	-90.9%	6,999	13,185	-46.9%
CENTERPOINT BASIS SWAP	PW	0	906	-100.0%	0	0.0%	534	9,950	-94.6%
CENTERPOINT EAST INDEX	II	0	740	-100.0%	0	0.0%	0	740	-100.0%
CENTER POINT NAT GAS FIXED PRICE	DAC	0	0	0.0%	0	-	0	0	0.0%
CHICAGO ETHANOL SWAP	CU	72,594	97,755	-25.7%	88,080	-17.6%	795,301	674,621	17.9%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	99	460	-78.5%	50	98.0%	981	1,837	-46.6%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0.0%	0	1,600	-100.0%
CIG BASIS	CI	540	5,386	-90.0%	0	0.0%	726	53,823	-98.7%
CIG ROCKIES NG INDEX SWA	Z8	0	124	-100.0%	0	0.0%	720	1,054	-31.7%
CINERGY HUB OFF-PEAK MONT	EJ	0	0	0.0%	0	0.0%	0	60	-100.0%
CINERGY HUB PEAK MONTH	EM	0	0	0.0%	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	K2	80,000	112,640	-29.0%	0	0.0%	262,680	275,560	-4.7%
CIN HUB 5MW D AH PK	H5	855	1,566	-45.4%	1,912	-55.3%	13,668	18,414	-25.8%
CIN HUB 5MW REAL TIME O P	H4	104,240	168,360	-38.1%	3,720	2,702.2%	381,000	966,584	-60.6%
CIN HUB 5MW REAL TIME PK	H3	2,205	4,350	-49.3%	1,700	29.7%	24,975	60,456	-58.7%
COAL SWAP	ACM	25	60	-58.3%	95	-73.7%	1,180	1,730	-31.8%
COAL SWAP	SSI	0	20	-100.0%	0	0.0%	0	157	-100.0%
COLUMB GULF MAINLINE NG B	5Z	999	790	26.5%	0	0.0%	999	14,968	-93.3%
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	1,332	0	0.0%	0	0.0%	1,332	3,108	-57.1%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	242	93	160.2%	460	-47.4%	1,789	1,278	40.0%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	339	30	1,030.0%	170	99.4%	5,263	444	1,085.4%

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CONWAY PROPANE 5 DECIMALS SWAP	8K	10,865	6,048	79.6%	8,387	29.5%	61,289	40,515	51.3%
CRUDE OIL	CHB	0	0	0.0%	0	0.0%	0	60	-100.0%
CRUDE OIL	LPS	5,870	4,700	24.9%	2,434	141.2%	27,401	36,062	-24.0%
CRUDE OIL OUTRIGHTS	37	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	42	86	180	-52.2%	110	-21.8%	3,841	623	516.5%
CRUDE OIL OUTRIGHTS	CC5	0	0	-	270	-100.0%	600	0	-
CRUDE OIL OUTRIGHTS	CSN	0	0	-	0	0.0%	30	0	-
CRUDE OIL OUTRIGHTS	CSW	420	0	-	450	-6.7%	1,900	0	-
CRUDE OIL OUTRIGHTS	DBL	100	0	0.0%	150	-33.3%	1,050	450	133.3%
CRUDE OIL OUTRIGHTS	FE	230	0	0.0%	0	0.0%	330	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	30	-100.0%	0	0.0%	110	30	266.7%
CRUDE OIL OUTRIGHTS	HTT	5,740	5,250	9.3%	13,153	-56.4%	63,175	9,312	578.4%
CRUDE OIL OUTRIGHTS	LSW	0	0	-	210	-100.0%	240	0	-
CRUDE OIL OUTRIGHTS	SSW	360	0	-	120	200.0%	705	0	-
CRUDE OIL OUTRIGHTS	WCC	615	1,180	-47.9%	425	44.7%	24,737	33,539	-26.2%
CRUDE OIL OUTRIGHTS	WCW	10,695	0	-	9,080	17.8%	29,710	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	1,300	6,435	-79.8%	5,870	-77.9%	34,139	15,642	118.3%
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	0	0.0%	0	0.0%	0	2,720	-100.0%
DAILY PJM	ZAO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZGO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZJO	0	0	0.0%	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	0.0%	1,400	-100.0%	1,400	0	0.0%
DATED TO FRONTLINE BRENT	FY	2,580	1,550	66.5%	1,575	63.8%	9,600	11,260	-14.7%
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	0.0%	0	800	-100.0%

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Energy Futures									
DEMARCO SWING SWAP	DT	0	0	-	0	0.0%	0	0	-
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0.0%	0	10	-100.0%
DIESEL 10PPM BARGES FOB B	U7	3	0	-	0	-	3	0	-
DIESEL10PPM BARG VS ICE LS	LSE	0	0	0.0%	0	-	0	0	0.0%
DLY GAS EURO-BOB OXY	GBR	0	60	-100.0%	0	0.0%	0	60	-100.0%
DOMINION TRAN INC - APP I	IH	0	0	0.0%	0	0.0%	0	17,107	-100.0%
DOMINION TRANSMISSION INC	PG	6,081	8,824	-31.1%	670	807.6%	48,516	132,633	-63.4%
DUBAI CRUDE OIL BALMO	BI	0	275	-100.0%	0	0.0%	0	275	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	5,460	2,875	89.9%	9,450	-42.2%	66,799	9,480	604.6%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	0.0%	1,500	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	0	1,310	-100.0%	411	-100.0%	4,215	8,877	-52.5%
EAST/WEST FUEL OIL SPREAD	EW	10	75	-86.7%	60	-83.3%	1,255	186	574.7%
EIA FLAT TAX ONHWAY DIESE	A5	674	1,192	-43.5%	854	-21.1%	6,118	8,092	-24.4%
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%	3,825	-100.0%	3,825	0	0.0%
ELEC MISO PEAK	55	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	4M	0	0	0.0%	70,200	-100.0%	70,200	0	0.0%
ELEC NYISO OFF-PEAK	58	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	ERE	690	0	-	0	-	690	0	-
ELECTRICITY OFF PEAK	46	0	0	0.0%	0	0.0%	0	23,480	-100.0%
ELECTRICITY OFF PEAK	4P	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	50	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC WEST POWER OFF-PEAK	MDA	0	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	620	-100.0%	0	0.0%	0	1,612	-100.0%
EMMISSIONS	CPL	0	0	0.0%	0	-	0	0	0.0%
ERCOT DAILY 5MW PEAK	ERW	0	0	-	0	-	0	0	-
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	0	0	-	1,260	-100.0%	1,680	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	0	0	0.0%	0	0.0%	14,720	4,280	243.9%

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ERCOT NORTH ZMCPPE 5MW PEAK	I5	0	0	0.0%	1,260	-100.0%	2,510	235	968.1%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	3,372	1,401	140.7%	6,611	-49.0%	27,525	14,973	83.8%
EU LOW SULPHUR GASOIL CRACK	LSC	0	0	0.0%	0	-	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0.0%	18	210	-91.4%
EURO 3.5% FUEL OIL RDAM B	KR	141	182	-22.5%	336	-58.0%	3,391	2,121	59.9%
EURO 3.5% FUEL OIL SPREAD	FK	680	330	106.1%	1,007	-32.5%	3,963	3,966	-0.1%
EURO-DENOMINATED PETRO PROD	IBE	0	0	0.0%	0	-	0	0	0.0%
EURO-DENOMINATED PETRO PROD	NCP	0	88	-100.0%	0	0.0%	1,340	158	748.1%
EURO GASOIL 10 CAL SWAP	GT	0	0	0.0%	0	0.0%	0	3	-100.0%
EURO GASOIL 10PPM VS ICE	ET	0	75	-100.0%	80	-100.0%	278	450	-38.2%
EUROPE 1% FUEL OIL NWE CA	UF	0	565	-100.0%	10	-100.0%	663	1,342	-50.6%
EUROPE 1% FUEL OIL RDAM C	UH	10	10	0.0%	0	0.0%	36	124	-71.0%
EUROPE 3.5% FUEL OIL MED	UI	5	247	-98.0%	0	0.0%	1,164	2,519	-53.8%
EUROPE 3.5% FUEL OIL RDAM	UV	3,379	5,762	-41.4%	7,080	-52.3%	57,518	46,001	25.0%
EUROPEAN GASOIL (ICE)	7F	3,401	11,509	-70.4%	4,926	-31.0%	23,621	1,531,210	-98.5%
EUROPEAN NAPHTHA BALMO	KZ	260	133	95.5%	644	-59.6%	2,739	1,031	165.7%
EUROPEAN NAPHTHA CRACK SPR	EN	7,013	4,627	51.6%	5,581	25.7%	50,830	31,825	59.7%
EUROPE DATED BRENT SWAP	UB	1,400	3,100	-54.8%	0	0.0%	1,816	25,958	-93.0%
EUROPE JET KERO NWE CALSW	UJ	0	0	0.0%	0	0.0%	60	38	57.9%
EUROPE NAPHTHA CALSWAP	UN	3,380	2,004	68.7%	2,895	16.8%	19,958	9,368	113.0%
EURO PROPANE CIF ARA SWA	PS	810	1,239	-34.6%	1,277	-36.6%	7,963	8,405	-5.3%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	0.0%	0	0.0%	0	8,310	-100.0%
FLORIDA GAS ZONE3 BASIS S	FP	0	789	-100.0%	0	0.0%	0	2,097	-100.0%
FREIGHT MARKETS	FLP	180	24	650.0%	315	-42.9%	881	1,468	-40.0%
FUEL OIL CRACK VS ICE	FO	1,527	5,217	-70.7%	9,040	-83.1%	31,586	28,762	9.8%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	0	32	-100.0%
FUEL OIL (PLATS) CAR CM	1W	0	930	-100.0%	0	0.0%	0	1,091	-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	295	187	57.8%	614	-52.0%	2,386	2,729	-12.6%
GAS EURO-BOB OXY NWE BARGES	7H	5,446	4,784	13.8%	6,402	-14.9%	50,137	50,275	-0.3%
GAS EURO-BOB OXY NWE BARGES CRK	7K	14,159	11,803	20.0%	16,334	-13.3%	132,432	99,916	32.5%
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	0.0%	0	0.0%	0	6	-100.0%
GASOIL 0.1 CARGOES CIF NE	TW	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1 CIF MED BALMO	X6	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1 CIF MED SWAP	Z4	0	0	0.0%	0	0.0%	0	75	-100.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	40	-100.0%	0	0.0%	50	120	-58.3%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	0.0%	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	0.0%	0	0.0%	20	5	300.0%
GASOIL 0.1 CRG CIF NW VS	4V	0	0	0.0%	0	0.0%	0	5	-100.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	5	-100.0%	30	-100.0%	150	60	150.0%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	30	-100.0%	80	0	0.0%
GASOIL 10P CRG CIF NW VS	3V	25	0	0.0%	0	0.0%	25	10	150.0%
GASOIL 10PPM CARGOES CIF	TY	0	0	0.0%	0	0.0%	0	3	-100.0%
GASOIL 10PPM VS ICE SWAP	TP	72	60	20.0%	0	0.0%	532	488	9.0%
GASOIL BULLET SWAP	BG	0	0	-	30	-100.0%	30	0	-
GASOIL CALENDAR SWAP	GX	0	46	-100.0%	0	0.0%	241	290	-16.9%
GASOIL CRACK SPREAD CALEN	GZ	5,308	7,971	-33.4%	12,510	-57.6%	55,883	36,632	52.6%
GASOIL MINI CALENDAR SWAP	QA	23	141	-83.7%	73	-68.5%	1,003	1,838	-45.4%
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	125	0	0.0%	0	0.0%	125	0	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	5,461	3,780	44.5%	2,428	124.9%	21,210	17,343	22.3%
GRP THREE UNL GS (PLT) VS	A8	425	1,650	-74.2%	75	466.7%	3,654	9,515	-61.6%
GULF COAST 3% FUEL OIL BA	VZ	915	262	249.2%	2,253	-59.4%	9,111	5,369	69.7%
GULF COAST GASOLINE CLNDR	GS	0	0	0.0%	0	0.0%	0	1,300	-100.0%
GULF COAST JET FUEL CLNDR	GE	355	192	84.9%	0	0.0%	901	1,133	-20.5%
GULF COAST JET VS NYM 2 H	ME	34,721	29,266	18.6%	41,623	-16.6%	302,818	227,475	33.1%
GULF COAST NO.6 FUEL OIL	MF	40,385	59,472	-32.1%	41,510	-2.7%	375,106	403,729	-7.1%
GULF COAST NO.6 FUEL OIL	MG	495	300	65.0%	1,961	-74.8%	9,915	5,434	82.5%
GULF COAST ULSD CALENDAR	LY	532	1,232	-56.8%	838	-36.5%	4,000	6,202	-35.5%
GULF COAST ULSD CRACK SPR	GY	1,700	75	2,166.7%	630	169.8%	3,870	6,006	-35.6%
HEATING OIL BALMO CLNDR S	1G	100	25	300.0%	150	-33.3%	830	320	159.4%
HEATING OIL CRCK SPRD BAL	1H	0	0	0.0%	0	0.0%	0	20	-100.0%
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%	0	0	0.0%
HEATING OIL VS ICE GASOIL	HA	0	0	0.0%	0	-	0	0	0.0%
HENRY HUB BASIS SWAP	HB	2,720	16,538	-83.6%	2,046	32.9%	51,020	155,417	-67.2%
HENRY HUB FINANCIAL LAST	NBP	59	0	-	0	-	59	0	-
HENRY HUB FINANCIAL LAST	TTE	92	0	-	0	-	92	0	-
HENRY HUB INDEX SWAP FUTU	IN	2,108	15,594	-86.5%	2,046	3.0%	48,830	146,955	-66.8%
HENRY HUB SWAP	NN	246,115	257,428	-4.4%	127,193	93.5%	1,199,977	3,072,854	-60.9%
HENRY HUB SWING FUTURE	SN	0	0	0.0%	0	0.0%	0	290	-100.0%
HOUSTON SHIP CHANNEL BASI	NH	1,713	1,860	-7.9%	0	0.0%	3,777	24,668	-84.7%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
HOUSTON SHIP CHANNEL INDE	IP	0	186	-100.0%	0	0.0%	0	186	-100.0%
HUSTN SHIP CHNL PIPE SWP	XJ	719	0	0.0%	0	0.0%	719	0	0.0%
ICE BRENT DUBAI SWAP	DB	400	0	0.0%	3,920	-89.8%	69,463	10	694,530.0%
ICE GASOIL BALMO SWAP	U9	9	0	-	0	-	9	0	-
IN DELIVERY MONTH EUA	6T	0	350	-100.0%	0	0.0%	2,850	26,201	-89.1%
INDIANA MISO	FAD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FDM	0	0	0.0%	0	-	0	0	0.0%
INDIANA MISO	FTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FTM	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PDD	0	0	0.0%	0	0.0%	0	112	-100.0%
INDIANA MISO	PDM	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PTM	0	0	0.0%	0	0.0%	0	0	0.0%
INDONESIAN COAL	MCC	0	15	-100.0%	0	0.0%	5	170	-97.1%
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	72	513	-86.0%	1,473	-95.1%	3,885	2,766	40.5%
JAPAN C&F NAPHTHA SWAP	JA	894	1,055	-15.3%	1,906	-53.1%	11,505	8,226	39.9%
JAPAN NAPHTHA BALMO SWAP	E6	90	5	1,700.0%	63	42.9%	1,314	295	345.4%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	32	-100.0%	12	-100.0%	12	112	-89.3%
JET BARGES VS ICE GASOIL	JR	0	0	0.0%	0	0.0%	0	22	-100.0%
JET CIF NWE VS ICE	JC	129	82	57.3%	173	-25.4%	824	698	18.1%
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	0.0%	5	2	150.0%
JET FUEL CRG CIF NEW VS I	6X	42	0	0.0%	0	0.0%	62	30	106.7%
JET FUEL UP-DOWN BALMO CL	1M	5,056	1,365	270.4%	7,629	-33.7%	51,172	21,587	137.1%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	150	190	-21.1%	25	500.0%	1,220	5,082	-76.0%
LA CARBOB GASOLINE(OPIS)S	JL	0	325	-100.0%	425	-100.0%	1,550	5,575	-72.2%
LA JET FUEL VS NYM NO 2 H	MQ	0	15	-100.0%	0	0.0%	25	775	-96.8%
LA JET (OPIS) SWAP	JS	1,035	1,625	-36.3%	2,375	-56.4%	12,120	12,972	-6.6%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	-	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	2,438	5,808	-58.0%	465	424.3%	25,003	47,963	-47.9%
MARS (ARGUS) VS WTI SWAP	YX	5,830	805	624.2%	300	1,843.3%	21,851	33,128	-34.0%
MARS (ARGUS) VS WTI TRD M	YV	12,545	11,045	13.6%	13,825	-9.3%	134,129	66,704	101.1%
MARS BLEND CRUDE OIL	MB	0	3,450	-100.0%	613	-100.0%	11,228	14,964	-25.0%
MCCLOSKEY ARA ARGS COAL	MTF	36,344	118,648	-69.4%	43,738	-16.9%	353,303	1,306,301	-73.0%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
MCCLOSKEY RCH BAY COAL	MFF	3,151	6,187	-49.1%	4,970	-36.6%	39,815	135,942	-70.7%
MGF FUT	MGF	0	0	0.0%	0	0.0%	197	100	97.0%
MGN1 SWAP FUT	MGN	180	75	140.0%	132	36.4%	934	963	-3.0%
MICHCON NG INDEX SWAP	Y8	0	1,840	-100.0%	0	0.0%	0	1,840	-100.0%
MICHIGAN BASIS	NF	0	1,845	-100.0%	0	0.0%	2,592	15,309	-83.1%
MICHIGAN MISO	HMO	0	0	0.0%	0	0.0%	59,040	127,640	-53.7%
MICHIGAN MISO	HMW	0	0	0.0%	0	0.0%	3,195	7,240	-55.9%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	624	351	77.8%	901	-30.7%	3,796	2,580	47.1%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	402	200	101.0%	420	-4.3%	2,947	896	228.9%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	3,372	1,014	232.5%	2,444	38.0%	18,151	7,748	134.3%
MJB FUT	MJB	0	0	0.0%	0	-	0	0	0.0%
MJC FUT	MJC	35	172	-79.7%	400	-91.3%	705	621	13.5%
MNC FUT	MNC	3,857	5,934	-35.0%	4,750	-18.8%	31,119	28,263	10.1%
MONT BELVIEU ETHANE 5 DECIMAL	C0	12,293	33,599	-63.4%	12,600	-2.4%	174,101	272,898	-36.2%
MONT BELVIEU ETHANE OPIS BALMO	8C	0	110	-100.0%	100	-100.0%	2,272	650	249.5%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	72,188	141,588	-49.0%	68,617	5.2%	615,406	767,530	-19.8%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,495	875	70.9%	1,099	36.0%	12,805	5,916	116.4%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	3,408	7,291	-53.3%	3,764	-9.5%	29,966	60,644	-50.6%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	145	82	76.8%	217	-33.2%	1,783	1,410	26.5%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	23,552	26,064	-9.6%	24,222	-2.8%	195,635	162,611	20.3%
MONT BELVIEU NORMAL BUTANE BALMO	8J	294	656	-55.2%	397	-25.9%	5,281	4,975	6.2%
NAT GAS BASIS SWAP	SGW	0	0	0.0%	0	-	0	0	0.0%
NAT GAS BASIS SWAP	TZ6	0	793	-100.0%	0	0.0%	1,737	22,996	-92.4%
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	360	0	0.0%	0	0.0%	360	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	Z5P	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS INDEX	TZI	0	1,712	-100.0%	0	0.0%	656	6,702	-90.2%
NATURAL GAS PEN SWP	NP	63,075	123,511	-48.9%	87,654	-28.0%	633,057	784,479	-19.3%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0.0%	0	11,925	-100.0%



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0.0%	0	635	-100.0%
NEPOOL INTR HUB 5MW D AH	H2	0	37,440	-100.0%	0	0.0%	221,100	164,637	34.3%
NEPOOL INTR HUB 5MW D AH	U6	690	2,040	-66.2%	1,600	-56.9%	15,670	15,708	-0.2%
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH P	P7	0	0	0.0%	0	0.0%	0	640	-100.0%
NEPOOL NEW HAMP 5MW D AH	U2	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL NEW HAMP 5MW D AH	U3	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	U4	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	U5	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH O	P5	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH P	P4	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D A	L9	0	0	0.0%	0	0.0%	0	4,000	-100.0%
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0.0%	0	1,685	-100.0%
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	900	750	20.0%	525	71.4%	4,610	11,300	-59.2%
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	1,200	3,393	-64.6%	0	0.0%	2,344	25,369	-90.8%
NGPL MIDCONTINENT INDEX	IW	0	620	-100.0%	0	0.0%	0	7,227	-100.0%
NGPL MIDCONTINENT SWING S	PX	0	0	0.0%	0	0.0%	0	620	-100.0%
NGPL TEX/OK	PD	3,088	1,100	180.7%	1,208	155.6%	5,856	22,624	-74.1%
NGPL TEXOK INDEX	OI	0	0	0.0%	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	0	187	-100.0%	100	-100.0%	3,560	2,562	39.0%
NORTHEN NATURAL GAS DEMAR	PE	0	0	0.0%	0	0.0%	0	1,595	-100.0%
NORTHERN NATURAL GAS VENTU	PF	0	1,235	-100.0%	0	0.0%	84	7,027	-98.8%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	1,738	6,806	-74.5%	368	372.3%	3,088	127,801	-97.6%
N ROCKIES PIPE SWAP	XR	334	0	0.0%	0	0.0%	334	0	0.0%
NY1% VS GC SPREAD SWAP	VR	2,754	2,814	-2.1%	2,612	5.4%	17,141	15,997	7.2%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	0.0%	0	409	-100.0%
NY 3.0% FUEL OIL (PLATTS	H1	25	75	-66.7%	100	-75.0%	3,110	1,175	164.7%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0.0%	25	30	-16.7%
NY HARBOR HEAT OIL SWP	MP	4,456	1,947	128.9%	2,156	106.7%	18,790	18,449	1.8%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	295	-100.0%	1,100	-100.0%	4,048	4,551	-11.1%

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NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
NY HARBOR RESIDUAL FUEL 1	MM	1,341	1,834	-26.9%	683	96.3%	17,886	24,478	-26.9%
NY HARBOR RESIDUAL FUEL C	ML	0	0	0.0%	0	-	0	0	0.0%
NYH NO 2 CRACK SPREAD CAL	HK	1,670	742	125.1%	1,035	61.4%	11,080	11,685	-5.2%
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%
NYISO CAPACITY	LHV	60	42	42.9%	0	0.0%	267	114	134.2%
NYISO CAPACITY	NNC	44	90	-51.1%	40	10.0%	1,514	1,287	17.6%
NYISO CAPACITY	NRS	180	72	150.0%	204	-11.8%	1,444	1,880	-23.2%
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	23,400	0	0.0%	0	0.0%	32,760	231,440	-85.8%
NYISO ZONE A 5MW D AH PK	K3	0	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	54,290	-100.0%
NYISO ZONE C 5MW D AH PK	Q5	0	0	0.0%	0	0.0%	110	1,512	-92.7%
NYISO ZONE G 5MW D AH O P	D2	0	79,560	-100.0%	327,600	-100.0%	648,480	364,160	78.1%
NYISO ZONE G 5MW D AH PK	T3	3,240	3,060	5.9%	9,125	-64.5%	47,955	25,089	91.1%
NYISO ZONE J 5MW D AH O P	D4	0	0	0.0%	46,800	-100.0%	226,600	102,952	120.1%
NYISO ZONE J 5MW D AH PK	D3	2,550	0	0.0%	2,750	-7.3%	22,295	7,767	187.0%
NY JET FUEL (PLATTS) HEAT OIL SWAP	1U	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX ALUMINUM FUTURES	AN	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	UY	0	0	0.0%	0	0.0%	0	0	0.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	29	236	-87.7%	327	-91.1%	7,720	2,944	162.2%
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	60	30	100.0%	230	-73.9%	485	245	98.0%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0.0%	650	440	47.7%
PANHANDLE BASIS SWAP FUTU	PH	3,012	8,243	-63.5%	0	0.0%	3,060	59,604	-94.9%
PANHANDLE INDEX SWAP FUTU	IV	0	0	0.0%	0	0.0%	0	2,480	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0.0%	864	0	0.0%
PERMIAN BASIS SWAP	PM	795	3,720	-78.6%	0	0.0%	1,009	26,222	-96.2%
PETROCHEMICALS	22	50	15	233.3%	42	19.0%	500	369	35.5%
PETROCHEMICALS	32	67	45	48.9%	115	-41.7%	778	381	104.2%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
PETROCHEMICALS	8I	406	109	272.5%	683	-40.6%	4,275	1,166	266.6%
PETROCHEMICALS	91	203	181	12.2%	210	-3.3%	1,489	1,219	22.1%
PETROCHEMICALS	HPE	0	0	0.0%	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	40	90	-55.6%	10	300.0%	70	355	-80.3%
PETROCHEMICALS	MAS	30	65	-53.8%	10	200.0%	185	910	-79.7%
PETROCHEMICALS	MBE	1,900	4,115	-53.8%	1,580	20.3%	8,725	19,435	-55.1%
PETROCHEMICALS	MNB	2,279	1,924	18.5%	2,220	2.7%	10,969	13,426	-18.3%
PETROCHEMICALS	MPS	0	0	-	0	0.0%	10	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	37	-100.0%	142	1,050	-86.5%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0.0%	264	64	312.5%
PETRO CRCKS & SPRDS ASIA	STS	420	0	0.0%	740	-43.2%	1,310	0	0.0%
PETRO CRCKS & SPRDS NA	CRB	260	420	-38.1%	15	1,633.3%	1,055	913	15.6%
PETRO CRCKS & SPRDS NA	EXR	1,937	963	101.1%	1,903	1.8%	18,180	9,711	87.2%
PETRO CRCKS & SPRDS NA	FOC	0	1,825	-100.0%	1,613	-100.0%	5,703	6,100	-6.5%
PETRO CRCKS & SPRDS NA	GBB	985	30	3,183.3%	1,280	-23.0%	5,670	1,160	388.8%
PETRO CRCKS & SPRDS NA	GCC	0	100	-100.0%	0	0.0%	800	1,425	-43.9%
PETRO CRCKS & SPRDS NA	GCI	752	2,397	-68.6%	774	-2.8%	8,987	6,534	37.5%
PETRO CRCKS & SPRDS NA	GCM	0	21	-100.0%	42	-100.0%	42	56	-25.0%
PETRO CRCKS & SPRDS NA	GCU	2,919	6,243	-53.2%	6,487	-55.0%	44,303	52,336	-15.3%
PETRO CRCKS & SPRDS NA	GFC	0	104	-100.0%	0	0.0%	535	104	414.4%
PETRO CRCKS & SPRDS NA	HOB	7,770	4,135	87.9%	4,677	66.1%	24,749	29,582	-16.3%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	0.0%	75	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	0.0%	0	0.0%	0	30	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	23	-100.0%	109	520	-79.0%
PETRO CRCKS & SPRDS NA	NYF	300	0	0.0%	225	33.3%	1,125	175	542.9%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	0.0%	0	300	-100.0%
PETRO CRCKS & SPRDS NA	RBB	6,860	9,181	-25.3%	6,993	-1.9%	61,132	65,965	-7.3%
PETRO CRCKS & SPRDS NA	RVG	15,645	8,060	94.1%	15,125	3.4%	109,127	50,370	116.7%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	9	-100.0%	15	34	-55.9%
PETRO CRK&SPRD EURO	1NB	1,297	1,272	2.0%	1,412	-8.1%	9,340	11,918	-21.6%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	43	224	45	397.8%	258	-13.2%	1,743	976	78.6%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	BOB	1,113	1,188	-6.3%	2,242	-50.4%	15,079	14,036	7.4%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
PETRO CRK&SPRD EURO	EGN	18	0	-	0	-	18	0	-
PETRO CRK&SPRD EURO	EOB	11	0	0.0%	11	0.0%	90	91	-1.1%
PETRO CRK&SPRD EURO	EPN	348	122	185.2%	402	-13.4%	2,753	1,560	76.5%
PETRO CRK&SPRD EURO	EVC	1,368	1,030	32.8%	2,174	-37.1%	18,774	9,979	88.1%
PETRO CRK&SPRD EURO	FBT	0	100	-100.0%	0	0.0%	0	460	-100.0%
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	64	-100.0%	739	760	-2.8%
PETRO CRK&SPRD EURO	GOC	25	0	0.0%	30	-16.7%	90	69	30.4%
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	0	116	-100.0%	33	-100.0%	719	744	-3.4%
PETRO CRK&SPRD EURO	NBB	5	23	-78.3%	20	-75.0%	114	123	-7.3%
PETRO CRK&SPRD EURO	NOB	804	827	-2.8%	852	-5.6%	7,130	2,819	152.9%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0.0%	155	105	47.6%
PETRO CRK&SPRD EURO	SFC	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D44	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D45	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D46	0	0	0.0%	0	0.0%	0	30	-100.0%
PETROLEUM PRODUCTS	D64	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D65	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	EWG	934	1,524	-38.7%	1,212	-22.9%	17,658	2,074	751.4%
PETROLEUM PRODUCTS	MBS	0	0	0.0%	0	0.0%	80	531	-84.9%
PETROLEUM PRODUCTS	MGS	0	0	-	0	0.0%	20	0	-
PETROLEUM PRODUCTS	MHE	0	0	0.0%	0	0.0%	0	30	-100.0%
PETROLEUM PRODUCTS	MME	0	0	-	0	0.0%	20	0	-
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0.0%	100	1,363	-92.7%
PETROLEUM PRODUCTS	VU	233	780	-70.1%	612	-61.9%	1,644	1,959	-16.1%
PETROLEUM PRODUCTS ASIA	E6M	30	0	0.0%	26	15.4%	152	427	-64.4%
PETROLEUM PRODUCTS ASIA	MJN	2,524	1,780	41.8%	2,576	-2.0%	14,707	9,115	61.3%
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	20	420	-95.2%	20	0.0%	83	1,250	-93.4%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0.0%	0	106	-100.0%
PETRO OUTRIGHT EURO	0D	2,357	2,271	3.8%	2,337	0.9%	17,649	29,626	-40.4%
PETRO OUTRIGHT EURO	0E	395	728	-45.7%	434	-9.0%	3,825	5,878	-34.9%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
PETRO OUTRIGHT EURO	0F	949	1,251	-24.1%	772	22.9%	8,860	8,002	10.7%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0.0%	60	20	200.0%
PETRO OUTRIGHT EURO	33	0	15	-100.0%	0	0.0%	80	219	-63.5%
PETRO OUTRIGHT EURO	5L	0	597	-100.0%	80	-100.0%	491	1,477	-66.8%
PETRO OUTRIGHT EURO	63	35	130	-73.1%	0	0.0%	497	877	-43.3%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0.0%	2	0	0.0%
PETRO OUTRIGHT EURO	7I	245	506	-51.6%	100	145.0%	875	1,273	-31.3%
PETRO OUTRIGHT EURO	7P	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	7R	311	401	-22.4%	480	-35.2%	1,851	1,910	-3.1%
PETRO OUTRIGHT EURO	88	5	0	0.0%	0	0.0%	5	55	-90.9%
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	44	15	193.3%	192	-77.1%	2,039	304	570.7%
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	10	-100.0%	280	361	-22.4%
PETRO OUTRIGHT EURO	EFM	102	525	-80.6%	30	240.0%	428	615	-30.4%
PETRO OUTRIGHT EURO	ENS	40	405	-90.1%	30	33.3%	130	998	-87.0%
PETRO OUTRIGHT EURO	ESB	63	0	-	0	0.0%	69	0	-
PETRO OUTRIGHT EURO	EWN	604	300	101.3%	861	-29.8%	5,092	1,240	310.6%
PETRO OUTRIGHT EURO	FBD	0	20	-100.0%	0	0.0%	20	20	0.0%
PETRO OUTRIGHT EURO	MBB	100	0	0.0%	230	-56.5%	480	84	471.4%
PETRO OUTRIGHT EURO	MBN	1,730	1,465	18.1%	1,874	-7.7%	7,277	9,527	-23.6%
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0.0%	40	40	0.0%
PETRO OUTRIGHT EURO	T0	54	0	0.0%	0	0.0%	164	368	-55.4%
PETRO OUTRIGHT EURO	ULB	0	400	-100.0%	0	0.0%	375	490	-23.5%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0.0%	150	0	0.0%
PETRO OUTRIGHT EURO	W0	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO OUTRIGHT EURO	X0	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	Y0	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	FCB	496	19	2,510.5%	96	416.7%	1,350	966	39.8%
PETRO OUTRIGHT NA	FOB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	10	-100.0%	50	3	1,566.7%
PETRO OUTRIGHT NA	GBA	0	0	0.0%	0	0.0%	0	8	-100.0%
PETRO OUTRIGHT NA	GUD	0	0	0.0%	0	0.0%	0	13	-100.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	270	-100.0%	420	439	-4.3%
PETRO OUTRIGHT NA	JET	2,440	3,700	-34.1%	3,052	-20.1%	26,039	14,590	78.5%
PETRO OUTRIGHT NA	JTB	650	0	-	0	0.0%	950	0	-



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
PETRO OUTRIGHT NA	MBL	0	0	0.0%	26	-100.0%	161	168	-4.2%
PETRO OUTRIGHT NA	MEN	305	861	-64.6%	371	-17.8%	4,369	4,870	-10.3%
PETRO OUTRIGHT NA	MEO	7,353	10,500	-30.0%	7,100	3.6%	71,345	70,379	1.4%
PETRO OUTRIGHT NA	MFD	13	313	-95.8%	165	-92.1%	203	793	-74.4%
PETRO OUTRIGHT NA	MMF	0	30	-100.0%	10	-100.0%	426	1,063	-59.9%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	0.0%	625	100	525.0%
PETRO OUTRIGHT NA	XER	0	0	0.0%	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	V3	9,344	65,472	-85.7%	0	0.0%	273,469	1,014,512	-73.0%
PJM AD HUB 5MW REAL TIME	Z9	511	9,056	-94.4%	0	0.0%	19,441	80,849	-76.0%
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	23,480	-100.0%	0	0.0%	85,390	210,680	-59.5%
PJM COMED 5MW D AH PK	D8	0	1,270	-100.0%	0	0.0%	4,675	11,470	-59.2%
PJM DAILY	JD	0	0	0.0%	0	0.0%	0	1,300	-100.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0.0%	211,995	21,305	895.0%
PJM DAYTON DA PEAK	D7	0	6,350	-100.0%	0	0.0%	5,250	14,755	-64.4%
PJM DUQUESNE 5MW D AH PK	D5	0	0	0.0%	0	-	0	0	0.0%
PJM DUQUS 5MW D AH O PK	D6	0	0	0.0%	0	-	0	0	0.0%
PJM JCPL DA OFF-PEAK	F2	0	0	0.0%	0	0.0%	0	0	0.0%
PJM JCPL DA PEAK	J2	0	0	0.0%	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	1,905	0	0.0%	2,525	-24.6%	77,840	41,968	85.5%
PJM NI HUB 5MW REAL TIME	B6	32,760	49,415	-33.7%	39,290	-16.6%	1,664,500	989,372	68.2%
PJM NILL DA OFF-PEAK	L3	23,400	28,617	-18.2%	0	0.0%	685,367	527,055	30.0%
PJM NILL DA PEAK	N3	1,275	1,375	-7.3%	0	0.0%	39,026	25,217	54.8%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0.0%	0	140	-100.0%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PEPKO DA OFF-PEAK	Q8	0	0	0.0%	0	-	0	0	0.0%
PJM PPL DA OFF-PEAK	F5	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PPL DA PEAK	L5	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0.0%	0	163,800	-100.0%

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NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
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	375,680	-100.0%	0	0.0%	7,500	825,010	-99.1%
PJM WESTHDA PEAK	J4	0	20,320	-100.0%	4,730	-100.0%	6,070	42,598	-85.8%
PJM WESTH RT OFF-PEAK	N9	56,840	962,311	-94.1%	331,190	-82.8%	1,846,225	5,428,596	-66.0%
PJM WESTH RT PEAK	L1	15,947	59,808	-73.3%	36,015	-55.7%	178,376	449,328	-60.3%
PLASTICS	PGP	437	20	2,085.0%	785	-44.3%	3,815	2,131	79.0%
PREMIUM UNLD 10P FOB MED	3G	32	294	-89.1%	50	-36.0%	408	2,155	-81.1%
PREMIUM UNLEAD 10PPM FOB	8G	32	17	88.2%	20	60.0%	152	278	-45.3%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	0.0%	0	0.0%	7	2	250.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	55	-100.0%	0	0.0%	37	243	-84.8%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	100	225	-55.6%	311	-67.8%	3,907	2,502	56.2%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	2,363	11,648	-79.7%	6,303	-62.5%	49,813	70,868	-29.7%
RBOB CALENDAR SWAP	RL	7,325	7,572	-3.3%	6,248	17.2%	48,710	41,822	16.5%
RBOB CRACK SPREAD	RM	485	50	870.0%	0	0.0%	2,564	10,295	-75.1%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	0	0.0%	0	25	-100.0%
RBOB GASOLINE BALMO CLNDR	1D	785	943	-16.8%	619	26.8%	5,521	4,563	21.0%
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	2,380	2,280	4.4%	1,665	42.9%	14,850	11,227	32.3%
ROCKIES KERN OPAL - NW IN	IR	0	310	-100.0%	0	0.0%	0	1,046	-100.0%
SAN JUAN BASIS SWAP	NJ	2,040	4,722	-56.8%	0	0.0%	2,254	45,301	-95.0%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE 180CST BALMO	BS	50	15	233.3%	60	-16.7%	422	382	10.5%
SINGAPORE 380CST BALMO	BT	146	135	8.1%	136	7.4%	1,390	1,008	37.9%
SINGAPORE 380CST FUEL OIL	SE	6,317	9,308	-32.1%	9,859	-35.9%	75,963	45,503	66.9%
SINGAPORE FUEL 180CST CAL	UA	963	1,079	-10.8%	835	15.3%	7,955	8,635	-7.9%
SINGAPORE FUEL OIL SPREAD	SD	763	576	32.5%	394	93.7%	5,609	3,849	45.7%
SINGAPORE GASOIL	MTB	270	166	62.7%	30	800.0%	1,073	1,681	-36.2%
SINGAPORE GASOIL	MTS	4,294	3,444	24.7%	3,554	20.8%	33,037	24,178	36.6%
SINGAPORE GASOIL	STL	0	0	0.0%	0	0.0%	0	100	-100.0%
SINGAPORE GASOIL	STZ	0	0	0.0%	100	-100.0%	800	180	344.4%
SINGAPORE GASOIL CALENDAR	MSG	163	0	0.0%	229	-28.8%	2,111	347	508.4%
SINGAPORE GASOIL SWAP	SG	9,669	6,562	47.3%	8,085	19.6%	71,602	29,352	143.9%



NYMEX/COMEX Exchange Volume Report - Monthly

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Energy Futures									
SINGAPORE GASOIL VS ICE	GA	3,455	2,508	37.8%	10,685	-67.7%	61,369	13,008	371.8%
SINGAPORE JET KERO BALMO	BX	100	0	0.0%	24	316.7%	536	56	857.1%
SINGAPORE JET KERO GASOIL	RK	1,565	1,745	-10.3%	1,975	-20.8%	15,095	5,050	198.9%
SINGAPORE JET KEROSENE SW	KS	3,295	1,130	191.6%	65	4,969.2%	10,244	3,720	175.4%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	57	0	0.0%	0	0.0%	1,240	2,818	-56.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	6,378	5,805	9.9%	11,981	-46.8%	55,800	46,422	20.2%
SINGAPORE NAPHTHA BALMO	KU	0	0	0.0%	0	0.0%	0	20	-100.0%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	-	0	0	0.0%
SING FUEL	MSD	0	5	-100.0%	0	0.0%	40	10	300.0%
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	1,104	-100.0%	0	0.0%	0	1,368	-100.0%
Sumas Basis Swap	NK	550	787	-30.1%	1,003	-45.2%	6,238	13,775	-54.7%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	306	0	0.0%	0	0.0%	306	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	-	0	0	0.0%
TC5 RAS TANURA TO YOKOHAM	TH	0	0	0.0%	0	0.0%	0	15	-100.0%
TCO BASIS SWAP	TC	824	1,345	-38.7%	0	0.0%	8,226	17,414	-52.8%
TCO NG INDEX SWAP	Q1	0	0	0.0%	0	0.0%	0	0	0.0%
TENN 800 LEG NAT GAS INDE	L4	0	0	0.0%	0	0.0%	0	1,285	-100.0%
TENNESSEE 500 LEG BASIS S	NM	0	331	-100.0%	0	0.0%	428	724	-40.9%
TENNESSEE 800 LEG NG BASI	6Z	0	0	0.0%	0	0.0%	0	796	-100.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	604	-100.0%	0	0.0%	0	2,600	-100.0%
Tetco ELA Basis	TE	0	0	0.0%	0	-	0	0	0.0%
TETCO M-3 INDEX	IX	0	279	-100.0%	0	0.0%	0	7,463	-100.0%
Tetco STX Basis	TX	0	730	-100.0%	0	0.0%	0	1,611	-100.0%
TEXAS EASTERN ZONE M-3 BA	NX	453	8,531	-94.7%	0	0.0%	8,000	55,776	-85.7%
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	0	0.0%	0	0.0%	302	610	-50.5%
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	-	0	0.0%	6,256	0	-
TRANSCO ZONE4 BASIS SWAP	TR	5,520	1,567	252.3%	1,208	357.0%	12,619	16,209	-22.1%
TRANSCO ZONE 4 NAT GAS IN	B2	0	744	-100.0%	0	0.0%	465	1,457	-68.1%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	1,219	-100.0%	0	0.0%	2,870	6,389	-55.1%

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NYMEX/COMEX Exchange Volume Report - Monthly

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Energy Futures									
TRANSCO ZONE 6 INDEX	IT	0	604	-100.0%	0	0.0%	856	6,014	-85.8%
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	0	0.0%	0	-	0	0	0.0%
UCM FUT	UCM	47	10	370.0%	28	67.9%	245	231	6.1%
ULSD 10PPM CIF MED BALMO	X7	0	0	0.0%	0	0.0%	0	38	-100.0%
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	0.0%	30	45	-33.3%
ULSD 10PPM CIF MED VS ICE	Z7	0	46	-100.0%	45	-100.0%	66	154	-57.1%
ULSD 10PPM CIF NW BALMO S	B1	6	0	-	0	-	6	0	-
ULSD 10PPM CIF VS ICE GAS	7V	0	0	0.0%	0	0.0%	0	35	-100.0%
ULSD UP-DOWN BALMO SWP	1L	2,575	9,862	-73.9%	1,890	36.2%	24,950	32,410	-23.0%
UP DOWN GC ULSD VS NMX HO	LT	40,618	68,604	-40.8%	50,607	-19.7%	304,721	374,506	-18.6%
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	1,220	6,891	-82.3%	950	28.4%	3,052	35,670	-91.4%
WAHA INDEX SWAP FUTURE	IY	0	620	-100.0%	0	0.0%	0	7,940	-100.0%
WESTERN RAIL DELIVERY PRB	QP	0	355	-100.0%	60	-100.0%	2,220	7,367	-69.9%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0.0%	404	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	18,140	17,120	6.0%	10,199	77.9%	64,352	86,187	-25.3%
WTI CALENDAR	CS	30,979	20,942	47.9%	23,287	33.0%	236,162	212,256	11.3%
WTS (ARGUS) VS WTI SWAP	FF	3,480	450	673.3%	4,755	-26.8%	25,374	7,382	243.7%
WTS (ARGUS) VS WTI TRD MT	FH	1,024	1,010	1.4%	510	100.8%	3,944	7,726	-49.0%
Energy Options									
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	-	230	-100.0%	230	0	-
1 MO GASOIL CAL SWAP SPR	GXA	0	0	0.0%	0	0.0%	0	0	0.0%
APPALACHIAN COAL	6K	0	0	0.0%	0	-	0	0	0.0%
BRENT CALENDAR SWAP	BA	1,875	0	0.0%	1,050	78.6%	5,297	10,628	-50.2%
BRENT OIL LAST DAY	BE	8,345	5,150	62.0%	1,020	718.1%	24,295	30,215	-19.6%
BRENT OIL LAST DAY	BZO	37,305	26,602	40.2%	25,493	46.3%	179,274	96,131	86.5%
BRENT OIL LAST DAY	OS	0	704	-100.0%	1,096	-100.0%	3,144	11,222	-72.0%
COAL API2 INDEX	CLA	955	3,670	-74.0%	1,185	-19.4%	8,021	44,832	-82.1%
COAL API2 INDEX	CQA	0	700	-100.0%	0	0.0%	610	100,884	-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%

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NYMEX/COMEX Exchange Volume Report - Monthly

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Energy Options									
COAL SWAP	RPF	0	0	0.0%	0	0.0%	85	86	-1.2%
CRUDE OIL 1MO	WA	182,275	330,021	-44.8%	190,901	-4.5%	1,237,848	1,724,657	-28.2%
CRUDE OIL APO	AO	56,517	19,993	182.7%	36,758	53.8%	257,543	173,296	48.6%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0.0%	0	1,150	-100.0%
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	CD	2,405	1,300	85.0%	2,750	-12.5%	14,665	25,325	-42.1%
CRUDE OIL PHY	LC	10,570	23,798	-55.6%	17,353	-39.1%	205,522	270,478	-24.0%
CRUDE OIL PHY	LO	3,422,908	3,414,591	0.2%	4,065,747	-15.8%	27,647,904	25,870,798	6.9%
CRUDE OIL PHY	LO1	17,212	3,991	331.3%	11,365	51.4%	89,014	35,113	153.5%
CRUDE OIL PHY	LO2	13,502	2,967	355.1%	15,852	-14.8%	79,700	29,339	171.7%
CRUDE OIL PHY	LO3	11,336	0	0.0%	6,885	64.6%	59,944	14,251	320.6%
CRUDE OIL PHY	LO4	22,170	3,010	636.5%	17,091	29.7%	114,322	29,338	289.7%
CRUDE OIL PHY	LO5	0	4,672	-100.0%	21,155	-100.0%	34,788	15,549	123.7%
DAILY CRUDE OIL	DNM	0	0	0.0%	0	-	0	0	0.0%
ELEC FINSETTLED	PML	0	50	-100.0%	0	0.0%	0	213	-100.0%
ELEC MISO PEAK	9T	0	0	0.0%	0	0.0%	820	2,580	-68.2%
ELECTRICITY OFF PEAK	N9P	0	0	0.0%	0	-	0	0	0.0%
ETHANOL	CE1	0	0	0.0%	0	0.0%	75	25	200.0%
ETHANOL	CE3	0	0	0.0%	0	0.0%	300	25	1,100.0%
ETHANOL SWAP	CVR	4,365	4,392	-0.6%	5,396	-19.1%	35,802	38,695	-7.5%
ETHANOL SWAP	GVR	465	430	8.1%	0	0.0%	1,385	2,318	-40.3%
EURO-DENOMINATED PETRO PROD	EFB	0	0	0.0%	0	-	0	0	0.0%
EURO-DENOMINATED PETRO PROD	NWE	0	0	0.0%	0	0.0%	0	0	0.0%
EUROPEAN JET KEROSENE NWE (PLATTS) A	30	0	0	0.0%	0	0.0%	0	60	-100.0%
GASOIL CRACK SPREAD AVG PRICE OPTION	3U	0	0	0.0%	0	-	0	0	0.0%
GASOLINE	GCE	0	0	0.0%	0	0.0%	0	872	-100.0%
HEATING OIL CRACK OPTIONS	CH	0	0	-	100	-100.0%	100	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	-	0	0.0%	0	0	-
HEATING OIL PHY	LB	52	1,288	-96.0%	610	-91.5%	1,568	2,609	-39.9%
HEATING OIL PHY	OH	23,467	49,865	-52.9%	41,955	-44.1%	224,046	396,178	-43.4%
HENRY HUB FINANCIAL LAST	E7	3,136	2,003	56.6%	2,741	14.4%	25,360	15,346	65.3%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0.0%	1,300	5,700	-77.2%
HUSTN SHIP CHNL PIPE SWP	PK	0	0	0.0%	0	0.0%	0	0	0.0%
LLS CRUDE OIL	WJO	0	2,400	-100.0%	0	0.0%	5,100	11,130	-54.2%
MCCLOSKEY ARA ARGS COAL	MTO	0	300	-100.0%	540	-100.0%	1,290	8,995	-85.7%

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NYMEX/COMEX Exchange Volume Report - Monthly

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Energy Options									
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0.0%	0	2,385	-100.0%
NATURAL GAS	G10	0	0	0.0%	0	0.0%	450	500	-10.0%
NATURAL GAS 12 M CSO FIN	G7	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	9,695	3,000	223.2%	36,200	-73.2%	283,820	36,530	677.0%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	250	-100.0%	3,550	1,000	255.0%
NATURAL GAS 3 M CSO FIN	G3	7,625	17,037	-55.2%	28,850	-73.6%	80,425	156,724	-48.7%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0.0%	4,050	1,200	237.5%
NATURAL GAS 6 M CSO FIN	G6	2,250	0	0.0%	700	221.4%	36,820	4,100	798.0%
NATURAL GAS OPTION ON CALENDAR STRP	6J	1,440	900	60.0%	1,500	-4.0%	6,938	13,378	-48.1%
NATURAL GAS PHY	KD	36,057	17,275	108.7%	44,507	-19.0%	237,168	232,844	1.9%
NATURAL GAS PHY	LN	1,777,239	1,956,091	-9.1%	2,548,658	-30.3%	15,848,818	13,384,687	18.4%
NATURAL GAS PHY	ON	177,475	312,093	-43.1%	213,363	-16.8%	1,421,366	1,964,627	-27.7%
NATURAL GAS PHY	ON1	0	0	-	0	0.0%	0	0	-
NATURAL GAS PHY	ON5	0	0	0.0%	0	-	0	0	0.0%
NG HH 3 MONTH CAL	IC	0	0	0.0%	0	0.0%	0	500	-100.0%
N ROCKIES PIPE SWAP	ZR	360	720	-50.0%	540	-33.3%	2,856	3,510	-18.6%
NY HARBOR HEAT OIL SWP	AT	4,308	6,819	-36.8%	5,280	-18.4%	25,148	42,214	-40.4%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	0.0%	0	0.0%	19,830	420	4,621.4%
NYMEX EUROPEAN GASOIL APO	F7	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL OPT	F8	0	0	0.0%	0	0.0%	0	0	0.0%
PANHANDLE PIPE SWAP	PU	0	0	-	0	0.0%	2,880	0	-
PETROCHEMICALS	4H	555	432	28.5%	350	58.6%	3,374	9,470	-64.4%
PETROCHEMICALS	4I	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	4J	0	1,095	-100.0%	30	-100.0%	2,450	4,455	-45.0%
PETROCHEMICALS	4K	200	0	0.0%	0	0.0%	200	0	0.0%
PETROCHEMICALS	CPR	0	0	0.0%	0	0.0%	18	495	-96.4%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0.0%	300	0	0.0%
PGE CITYGATE PIPE SWAP	CW	0	0	0.0%	0	-	0	0	0.0%
PJM CALENDAR STRIP	6O	0	0	0.0%	0	-	0	0	0.0%
PJM ELECTRIC	6OO	0	0	0.0%	0	-	0	0	0.0%
PJM MONTHLY	JO	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	530	280	89.3%	400	32.5%	3,550	420	745.2%
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	492	215	128.8%	380	29.5%	12,085	1,910	532.7%
RBOB 1MO CAL SPD OPTIONS	ZA	1,458	0	0.0%	550	165.1%	2,008	3,400	-40.9%
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0.0%	2,135	5,799	-63.2%

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NYMEX/COMEX Exchange Volume Report - Monthly

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Energy Options									
RBOB PHY	OB	24,404	20,360	19.9%	24,165	1.0%	178,848	285,849	-37.4%
RBOB PHY	RF	0	0	0.0%	25	-100.0%	85	20	325.0%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0.0%	0	400	-100.0%
SAN JUAN PIPE SWAP	PJ	180	720	-75.0%	540	-66.7%	1,980	6,312	-68.6%
SHORT TERM	U11	840	100	740.0%	0	0.0%	3,290	1,600	105.6%
SHORT TERM	U12	90	600	-85.0%	2,190	-95.9%	3,679	2,780	32.3%
SHORT TERM	U13	420	100	320.0%	690	-39.1%	2,085	3,411	-38.9%
SHORT TERM	U14	415	800	-48.1%	490	-15.3%	1,705	4,425	-61.5%
SHORT TERM	U15	0	125	-100.0%	840	-100.0%	3,585	1,975	81.5%
SHORT TERM	U22	0	500	-100.0%	777	-100.0%	1,577	2,375	-33.6%
SHORT TERM	U23	0	0	0.0%	162	-100.0%	1,022	680	50.3%
SHORT TERM	U24	250	0	0.0%	0	0.0%	1,970	1,380	42.8%
SHORT TERM	U25	200	0	0.0%	0	0.0%	300	205	46.3%
SHORT TERM	U26	0	0	0.0%	232	-100.0%	292	1,230	-76.3%
SHORT TERM CRUDE OIL	C02	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM NATURAL GAS	U01	250	300	-16.7%	0	0.0%	2,290	3,275	-30.1%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	1,140	-100.0%	2,425	3,075	-21.1%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	750	-100.0%	2,120	725	192.4%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0.0%	730	2,500	-70.8%
SHORT TERM NATURAL GAS	U05	600	300	100.0%	1,895	-68.3%	3,225	2,325	38.7%
SHORT TERM NATURAL GAS	U06	460	100	360.0%	665	-30.8%	5,625	1,930	191.5%
SHORT TERM NATURAL GAS	U07	670	300	123.3%	590	13.6%	2,935	3,500	-16.1%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	1,265	-100.0%	3,385	2,047	65.4%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	940	-100.0%	2,700	3,392	-20.4%
SHORT TERM NATURAL GAS	U10	1,130	0	0.0%	0	0.0%	4,887	3,565	37.1%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	1,240	-100.0%	2,120	3,310	-36.0%
SHORT TERM NATURAL GAS	U17	1,020	0	0.0%	0	0.0%	2,929	780	275.5%
SHORT TERM NATURAL GAS	U18	70	525	-86.7%	0	0.0%	487	2,080	-76.6%
SHORT TERM NATURAL GAS	U19	380	0	0.0%	2,150	-82.3%	3,685	1,080	241.2%
SHORT TERM NATURAL GAS	U20	290	0	0.0%	990	-70.7%	2,805	1,030	172.3%
SHORT TERM NATURAL GAS	U21	194	100	94.0%	940	-79.4%	1,799	575	212.9%
SHORT TERM NATURAL GAS	U27	0	100	-100.0%	0	0.0%	1,870	900	107.8%
SHORT TERM NATURAL GAS	U28	200	1,250	-84.0%	1,160	-82.8%	1,605	3,275	-51.0%
SHORT TERM NATURAL GAS	U29	0	225	-100.0%	260	-100.0%	260	2,450	-89.4%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	1,260	-100.0%	3,055	600	409.2%
SHORT TERM NATURAL GAS	U31	400	0	0.0%	0	0.0%	5,650	750	653.3%



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Options									
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	7,352	14,350	-48.8%	10,367	-29.1%	237,474	136,840	73.5%
WTI CRUDE OIL 1 M CSO FI	7A	28,750	109,000	-73.6%	46,000	-37.5%	382,950	1,177,393	-67.5%
Metals Futures									
COMEX GOLD	GC	5,957,038	5,798,480	2.7%	4,906,631	21.4%	38,333,833	34,709,127	10.4%
NYMEX HOT ROLLED STEEL	HR	6,639	3,415	94.4%	4,905	35.4%	31,182	33,196	-6.1%
NYMEX PLATINUM	PL	321,062	279,689	14.8%	529,562	-39.4%	2,633,567	2,173,484	21.2%
PALLADIUM	PA	82,725	104,219	-20.6%	120,488	-31.3%	844,592	773,833	9.1%
URANIUM	UX	286	0	0.0%	530	-46.0%	4,225	6,493	-34.9%
COMEX SILVER	SI	1,829,718	1,458,746	25.4%	2,371,502	-22.8%	12,945,871	10,311,808	25.5%
COMEX E-Mini GOLD	QO	7,215	15,804	-54.3%	5,858	23.2%	59,088	80,676	-26.8%
COMEX E-Mini SILVER	QI	915	2,179	-58.0%	986	-7.2%	6,399	8,560	-25.2%
COMEX COPPER	HG	1,740,501	1,510,169	15.3%	2,297,605	-24.2%	14,040,731	11,890,930	18.1%
COMEX MINY COPPER	QC	370	334	10.8%	996	-62.9%	5,479	4,116	33.1%
Aluminium MW Trans Prem Platts	AUP	4,732	6,192	-23.6%	5,921	-20.1%	51,672	43,399	19.1%
ALUMINUM	A38	0	50	-100.0%	0	0.0%	30	50	-40.0%
ALUMINUM	AEP	720	1,350	-46.7%	1,380	-47.8%	17,789	7,529	136.3%
ALUMINUM	ALA	250	0	-	50	400.0%	450	0	-
ALUMINUM	ALI	332	665	-50.1%	380	-12.6%	5,503	4,394	25.2%
ALUMINUM	EDP	480	420	14.3%	1,253	-61.7%	4,530	2,490	81.9%
ALUMINUM	MJP	2,654	341	678.3%	937	183.2%	8,339	4,663	78.8%
COPPER	HGS	22	30	-26.7%	40	-45.0%	985	2,838	-65.3%
E-MICRO GOLD	MGC	81,456	97,398	-16.4%	87,230	-6.6%	606,072	667,510	-9.2%
FERROUS PRODUCTS	BUS	30	0	0.0%	195	-84.6%	530	510	3.9%
FERROUS PRODUCTS	SSF	0	0	0.0%	0	-	0	0	0.0%
GOLD	GPS	1	0	-	0	0.0%	1	0	-
Gold Kilo	GCK	258	3,717	-93.1%	356	-27.5%	2,535	35,938	-92.9%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	4,070	0	0.0%	630	546.0%	6,212	2,470	151.5%

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NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Metals Futures									
IRON ORE 62 CHINA TSI FUTURES	TIO	4,483	12,551	-64.3%	6,205	-27.8%	70,909	123,334	-42.5%
LNDN ZINC	ZNC	0	35	-100.0%	35	-100.0%	85	186	-54.3%
METALS	LED	0	0	0.0%	0	0.0%	0	5	-100.0%
SILVER	SIL	5,431	12,077	-55.0%	5,916	-8.2%	36,817	59,210	-37.8%
Metals Options									
COMEX COPPER	HX	5,989	5,791	3.4%	2,328	157.3%	28,589	19,314	48.0%
COMEX GOLD	OG	789,412	585,536	34.8%	780,304	1.2%	5,571,442	5,783,901	-3.7%
COMEX SILVER	SO	131,387	134,625	-2.4%	108,479	21.1%	811,506	800,592	1.4%
COPPER	H4E	0	0	0.0%	0	-	0	0	0.0%
GOLD	OG1	2,992	463	546.2%	2,471	21.1%	19,193	7,119	169.6%
GOLD	OG2	2,976	1,905	56.2%	3,424	-13.1%	20,046	8,290	141.8%
GOLD	OG3	1,690	1,383	22.2%	4,030	-58.1%	25,090	6,602	280.0%
GOLD	OG4	2,568	934	174.9%	2,636	-2.6%	11,234	4,469	151.4%
GOLD	OG5	0	626	-100.0%	3,183	-100.0%	5,791	2,436	137.7%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	300	1,230	-75.6%	180	66.7%	8,452	33,201	-74.5%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	2,580	5,162	-50.0%	430	500.0%	17,195	23,386	-26.5%
NYMEX PLATINUM	PO	3,239	2,657	21.9%	1,325	144.5%	17,952	27,685	-35.2%
PALLADIUM	PAO	6,731	5,392	24.8%	5,755	17.0%	31,923	21,488	48.6%
SILVER	SO1	14	0	0.0%	45	-68.9%	523	12	4,258.3%
SILVER	SO2	24	0	0.0%	24	0.0%	188	1	18,700.0%
SILVER	SO3	0	195	-100.0%	5	-100.0%	567	200	183.5%
SILVER	SO4	17	1	1,600.0%	3	466.7%	114	10	1,040.0%
SILVER	SO5	0	0	0.0%	3	-100.0%	3	6	-50.0%
TOTAL FUTURES GROUP									
Commodities and Alternative Investments Futures		5	366	-98.6%	15	-66.7%	173	2,502	-93.1%
Energy Futures		46,288,038	37,736,878	22.7%	51,349,511	-9.9%	323,406,434	300,615,739	7.6%
Metals Futures		10,051,388	9,307,861	8.0%	10,349,591	-2.9%	69,717,426	60,946,749	14.4%
TOTAL FUTURES		56,339,431	47,045,105	19.8%	61,699,117	-8.7%	393,124,033	361,564,990	8.7%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME JUL 2017	VOLUME JUL 2016	% CHG	VOLUME JUN 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
TOTAL OPTIONS GROUP								
Energy Options	5,907,109	6,367,709	-7.2%	7,450,554	-20.7%	49,137,210	46,530,860	5.6%
Metals Options	949,919	745,900	27.4%	914,625	3.9%	6,569,808	6,738,712	-2.5%
TOTAL OPTIONS	6,857,028	7,113,609	-3.6%	8,365,179	-18.0%	55,707,018	53,269,572	4.6%
TOTAL COMBINED								
Commodities and Alternative Investments	5	366	-98.6%	15	-66.7%	173	2,502	-93.1%
Energy	52,195,147	44,104,587	18.3%	58,800,065	-11.2%	372,543,644	347,146,599	7.3%
Metals	11,001,307	10,053,761	9.4%	11,264,216	-2.3%	76,287,234	67,685,461	12.7%
GRAND TOTAL	63,196,459	54,158,714	16.7%	70,064,296	-9.8%	448,831,051	414,834,562	8.2%