



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
Commodities and Alternative Investments Futures									
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%
Energy Futures									
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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Energy Futures									
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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Energy Futures									
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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Energy Futures									
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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Energy Futures									
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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Energy Futures									
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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Energy Futures									
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 ARG S 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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Energy Futures									
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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Energy Futures									
NEPOOL NEW HAMP 5MW D AH	U3	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%	
NEPOOL RHODE IL 5MW D AH	U5	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%	
NEPOOL SE MASS 5MW D AH P	P4	0	0.0%	0	0.0%	0	0	0.0%	
NEPOOL W CNT MASS 5MW D A	L9	0	0.0%	0	0.0%	0	4,000	-100.0%	
NEPOOL W CNTR M 5MW D AH	R6	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%	
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%
NORTHEN NATURAL GAS DEMAR	PE	0	548	-100.0%	0	0.0%	0	1,595	-100.0%
NORTHEN 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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Energy Futures									
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%

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Energy Futures									
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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Energy Futures									
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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Energy Futures									
PETRO OUTFRIGHT EURO	7P	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	7R	223	265	-15.8%	119	87.4%	1,060	1,263	-16.1%
PETRO OUTFRIGHT EURO	88	0	35	-100.0%	0	0.0%	0	55	-100.0%
PETRO OUTFRIGHT EURO	CBB	0	0	-	0	0.0%	42	0	-
PETRO OUTFRIGHT EURO	CGB	0	0	0.0%	0	0.0%	0	6	-100.0%
PETRO OUTFRIGHT EURO	CPB	110	10	1,000.0%	75	46.7%	1,803	197	815.2%
PETRO OUTFRIGHT EURO	EFF	0	30	-100.0%	50	-100.0%	270	311	-13.2%
PETRO OUTFRIGHT EURO	EFM	0	0	0.0%	166	-100.0%	296	90	228.9%
PETRO OUTFRIGHT EURO	ENS	0	75	-100.0%	0	0.0%	60	583	-89.7%
PETRO OUTFRIGHT EURO	ESB	0	0	-	0	0.0%	6	0	-
PETRO OUTFRIGHT EURO	EWN	508	50	916.0%	1,145	-55.6%	3,627	637	469.4%
PETRO OUTFRIGHT EURO	FBD	0	0	0.0%	0	0.0%	20	0	0.0%
PETRO OUTFRIGHT EURO	MBB	30	0	0.0%	0	0.0%	150	34	341.2%
PETRO OUTFRIGHT EURO	MBN	1,155	1,162	-0.6%	280	312.5%	3,673	5,489	-33.1%
PETRO OUTFRIGHT EURO	SMU	40	40	0.0%	0	0.0%	40	40	0.0%
PETRO OUTFRIGHT EURO	T0	0	5	-100.0%	0	0.0%	110	192	-42.7%
PETRO OUTFRIGHT EURO	ULB	0	0	0.0%	0	0.0%	375	90	316.7%
PETRO OUTFRIGHT EURO	V0	0	0	0.0%	0	0.0%	150	0	0.0%
PETRO OUTFRIGHT EURO	W0	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO OUTFRIGHT EURO	X0	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTFRIGHT EURO	Y0	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT NA	FCB	204	256	-20.3%	32	537.5%	758	482	57.3%
PETRO OUTFRIGHT NA	FOB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT NA	FOM	0	0	0.0%	30	-100.0%	40	3	1,233.3%
PETRO OUTFRIGHT NA	GBA	0	8	-100.0%	0	0.0%	0	8	-100.0%
PETRO OUTFRIGHT NA	GUD	0	13	-100.0%	0	0.0%	0	13	-100.0%
PETRO OUTFRIGHT NA	JE	132	0	0.0%	0	0.0%	150	439	-65.8%
PETRO OUTFRIGHT NA	JET	2,195	1,915	14.6%	3,283	-33.1%	20,547	9,085	126.2%
PETRO OUTFRIGHT NA	JTB	300	0	-	0	-	300	0	-
PETRO OUTFRIGHT NA	MBL	0	90	-100.0%	0	0.0%	135	90	50.0%
PETRO OUTFRIGHT NA	MEN	646	395	63.5%	797	-18.9%	3,693	3,764	-1.9%
PETRO OUTFRIGHT NA	MEO	10,013	8,787	14.0%	9,124	9.7%	56,892	45,749	24.4%
PETRO OUTFRIGHT NA	MFD	25	0	0.0%	0	0.0%	25	300	-91.7%
PETRO OUTFRIGHT NA	MMF	53	215	-75.3%	40	32.5%	416	883	-52.9%
PETRO OUTFRIGHT NA	NYT	0	0	0.0%	0	0.0%	625	0	0.0%
PETRO OUTFRIGHT NA	XER	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
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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Energy Futures									
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	ZO	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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Energy Futures									
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%

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Energy Futures									
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%
Energy Options									
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%

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Energy Options									
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%

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Energy Options									
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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Energy Options									
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 CALENDAR	N2	0	0	0.0%	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	ZN	0	0	0.0%	0	0.0%	0	10,000	-100.0%
WTI 12 MONTH CALENDAR OPT	WZ	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT BULLET SWAP	BV	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%

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME MAY 2017	VOLUME MAY 2016	% CHG	VOLUME APR 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Metals Futures									
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%
Metals Options									
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%



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
TOTAL COMBINED								
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%
GRAND TOTAL	70,584,056	56,944,911	24.0%	58,648,662	20.4%	315,570,296	300,144,866	5.1%