



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest OCT 2019	Open Interest OCT 2018	% CHG	Open Interest SEP 2019	% CHG	
Ag Products Futures						
COCOA TAS	CJ	0	0	-	0	-
COFFEE	KT	0	0	-	0	-
COTTON	TT	1	2	-50.0%	3	-66.7%
SUGAR 11	YO	0	0	-	0	-
Energy Futures						
CRUDE OIL PHY	CL	2,047,643	2,092,811	-2.2%	2,071,478	-1.2%
CRUDE OIL	WS	286	572	-50.0%	286	0.0%
MINY WTI CRUDE OIL	QM	3,995	4,519	-11.6%	5,553	-28.1%
BRENT OIL LAST DAY	BZ	240,633	218,768	10.0%	231,023	4.2%
HEATING OIL PHY	HO	452,006	414,863	9.0%	404,784	11.7%
HTG OIL	BH	133	175	-24.0%	146	-8.9%
MINY HTG OIL	QH	1	2	-50.0%	0	-
RBOB PHY	RB	379,213	387,094	-2.0%	336,809	12.6%
MINY RBOB GAS	QU	0	0	-	0	0.0%
NATURAL GAS	HP	82,395	79,915	3.1%	87,874	-6.2%
LTD NAT GAS	HH	298,239	467,999	-36.3%	305,810	-2.5%
MINY NATURAL GAS	QG	4,422	2,139	106.7%	3,961	11.6%
PJM MONTHLY	JM	120	690	-82.6%	160	-25.0%
NATURAL GAS PHY	NG	1,192,796	1,522,351	-21.6%	1,148,234	3.9%
RBOB GAS	RT	92	103	-10.7%	88	4.5%
3.5% FUEL OIL CID MED SWA	7D	27	148	-81.8%	35	-22.9%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-
AEP-DAYTON HUB DAILY	VD	38	68	-44.1%	38	0.0%
AEP-DAYTON HUB MTHLY	VM	0	0	-	0	-
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	-	0	-
ALGON CITY GATES NAT GAS	N7	0	0	-	0	-
ALGONQUIN CITYGATES BASIS	B4	0	0	-	0	-
ANR LOUISIANA BASIS SWAP	ND	0	0	-	0	-
ANR OKLAHOMA	NE	0	363	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	E5	16,792	40,755	-58.8%	19,005	-11.6%
ARGUS PROPAN FAR EST INDE	7E	5,224	5,654	-7.6%	5,500	-5.0%
ARGUS PROPAN(SAUDI ARAMCO)	9N	1,895	2,431	-22.0%	2,079	-8.9%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-
AUSTRIALIAN COKE COAL	ALW	12	120	-90.0%	16	-25.0%
BRENT BALMO SWAP	J9	197	0	-	448	-56.0%
BRENT CALENDAR SWAP	CY	29,014	21,510	34.9%	24,505	18.4%
BRENT CFD SWAP	6W	0	0	-	0	-
BRENT FINANCIAL FUTURES	BB	158	3,892	-95.9%	158	0.0%
BRENT FINANCIAL FUTURES	MBC	406	0	-	517	-21.5%
BRENT FINANCIAL FUTURES	MDB	0	0	-	0	-
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0.0%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0.0%
CAISO SP15 EZGNHUB5 MW P	9X	0	0	-	0	-
CAISO SP15 EZGNHUB5 PEAK	9Z	0	0	-	0	-
CANADIAN LIGHT SWEET OIL	CIL	0	7	-100.0%	0	-
CENTERPOINT BASIS SWAP	PW	140	3,303	-95.8%	249	-43.8%
CHICAGO ETHANOL SWAP	CU	41,694	51,437	-18.9%	44,474	-6.3%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	-	0	-
CHICAGO ULSD PL VS HO SPR	5C	2,420	1,408	71.9%	2,921	-17.2%
CHICAGO UNL GAS PL VS RBO	3C	250	100	150.0%	300	-16.7%



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Energy Futures						
CIG BASIS	CI	1,098	9,163	-88.0%	1,668	-34.2%
CIG ROCKIES NG INDEX SWA	Z8	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	EJ	0	30	-100.0%	0	-
CINERGY HUB PEAK MONTH	EM	0	72	-100.0%	0	-
CIN HUB 5MW D AH O PK	K2	0	14,840	-100.0%	0	-
CIN HUB 5MW D AH PK	H5	254	2,902	-91.2%	634	-59.9%
CIN HUB 5MW REAL TIME O P	H4	52,904	206,264	-74.4%	62,304	-15.1%
CIN HUB 5MW REAL TIME PK	H3	4,464	21,777	-79.5%	5,959	-25.1%
COAL SWAP	ACM	0	20	-100.0%	0	-
COAL SWAP	SSI	0	0	-	0	-
COLUMB GULF MAINLINE NG B	5Z	681	670	1.6%	736	-7.5%
COLUMBIA GULF ONSHORE	GL	0	0	-	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	1,268	719	76.4%	1,562	-18.8%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,550	1,524	1.7%	1,502	3.2%
CONWAY PROPANE 5 DECIMALS SWAP	8K	24,065	25,507	-5.7%	25,110	-4.2%
CRUDE OIL	LPS	20,110	23,480	-14.4%	20,135	-0.1%
CRUDE OIL OUTRIGHTS	42	260	214	21.5%	514	-49.4%
CRUDE OIL OUTRIGHTS	CC5	1,654	210	687.6%	1,568	5.5%
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSN	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSW	592	2,280	-74.0%	1,121	-47.2%
CRUDE OIL OUTRIGHTS	DBL	730	0	-	400	82.5%
CRUDE OIL OUTRIGHTS	FE	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	97	0	-	115	-15.7%
CRUDE OIL OUTRIGHTS	HTT	152,022	131,835	15.3%	148,379	2.5%
CRUDE OIL OUTRIGHTS	LSW	768	175	338.9%	924	-16.9%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-
CRUDE OIL OUTRIGHTS	UMD	0	0	-	0	-
CRUDE OIL OUTRIGHTS	UNS	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCC	0	160	-100.0%	0	-
CRUDE OIL OUTRIGHTS	WCW	7,967	10,856	-26.6%	9,181	-13.2%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	1,057	0	-	652	62.1%
CRUDE OIL SPRDS	38	0	615	-100.0%	0	-
CRUDE OIL SPRDS	HIL	900	0	-	720	25.0%
CRUDE OIL SPRDS	WTT	130,459	151,177	-13.7%	130,135	0.2%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	4,032	2,400	68.0%	2,112	90.9%
DAILY PJM	IDO	16,137	18,986	-15.0%	15,312	5.4%
DAILY PJM	NOC	1,824	12,384	-85.3%	1,824	0.0%
DAILY PJM	PAP	250	650	-61.5%	280	-10.7%
DAILY PJM	PEO	2,445	3,784	-35.4%	2,320	5.4%
DAILY PJM	PNO	16,626	21,846	-23.9%	15,776	5.4%
DAILY PJM	PNP	975	1,430	-31.8%	1,092	-10.7%
DAILY PJM	PWO	15,648	22,231	-29.6%	14,848	5.4%
DAILY PJM	PWP	800	1,222	-34.5%	896	-10.7%
DAILY PJM	WOR	6,528	16,320	-60.0%	4,992	30.8%
DAILY PJM	ZAO	978	12,397	-92.1%	928	5.4%
DAILY PJM	ZGO	25,917	26,961	-3.9%	24,592	5.4%
DAILY PJM	ZJO	14,670	11,825	24.1%	13,920	5.4%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	845	3,715	-77.3%	895	-5.6%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-

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Energy Futures						
DIESEL 10PPM BARGES FOB B	U7	0	0	-	0	-
DOMINION TRAN INC - APP I	IH	0	736	-100.0%	0	-
DOMINION TRANSMISSION INC	PG	4,362	14,609	-70.1%	4,982	-12.4%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	1,394	39,415	-96.5%	1,639	-14.9%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	5,944	131	4,437.4%	4,068	46.1%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	QX	0	30	-100.0%	0	-
EAST/WEST FUEL OIL SPREAD	EW	15	42	-64.3%	19	-21.1%
EIA FLAT TAX ONHWAY DIESE	A5	1,553	1,898	-18.2%	1,688	-8.0%
ELEC ERCOT DLY OFF PK	I4	0	0	-	0	-
ELEC ERCOT DLY PEAK	I3	0	0	-	0	-
ELEC ERCOT DLY PEAK	I7	0	0	-	0	-
ELEC ERCOT OFF PEAK	I2	0	0	-	0	-
ELEC FINSETTLED	47	642	1,152	-44.3%	682	-5.9%
ELEC FINSETTLED	49	0	0	-	0	-
ELEC MISO PEAK	4L	0	960	-100.0%	0	-
ELEC MISO PEAK	55	0	0	-	0	-
ELEC NYISO OFF-PEAK	4M	0	17,775	-100.0%	0	-
ELEC NYISO OFF-PEAK	58	0	0	-	0	-
ELECTRICITY ERCOT PEAK	ERE	0	0	-	0	-
ELECTRICITY OFF PEAK	46	11,714	21,074	-44.4%	12,514	-6.4%
ELECTRICITY OFF PEAK	4P	23,700	0	-	31,700	-25.2%
ELECTRICITY OFF PEAK	50	0	0	-	0	-
ELEC WEST POWER OFF-PEAK	MDA	0	0	-	0	-
ELEC WEST POWER PEAK	MDC	0	0	-	0	-
ERCOT DAILY 5MW PEAK	ERW	0	0	-	0	-
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	-	0	-
ETHANOL	MTH	10	0	-	0	-
ETHANOL	Z1B	0	0	-	0	-
ETHANOL SWAP	MT2	360	120	200.0%	400	-10.0%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	6,228	5,832	6.8%	5,152	20.9%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	KR	13	162	-92.0%	156	-91.7%
EURO 3.5% FUEL OIL SPREAD	FK	10	86	-88.4%	17	-41.2%
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	0	126	-100.0%	0	-
EUROPE 1% FUEL OIL NWE CA	UF	302	177	70.6%	333	-9.3%
EUROPE 1% FUEL OIL RDAM C	UH	3	3	0.0%	3	0.0%
EUROPE 3.5% FUEL OIL MED	UI	30	198	-84.8%	48	-37.5%
EUROPE 3.5% FUEL OIL RDAM	UV	4,261	9,984	-57.3%	4,777	-10.8%
EUROPEAN GASOIL (ICE)	7F	125	203	-38.4%	122	2.5%
EUROPEAN NAPHTHA BALMO	KZ	35	420	-91.7%	55	-36.4%
EUROPEAN NAPHTHA CRACK SPR	EN	7,395	19,417	-61.9%	8,853	-16.5%
EUROPE DATED BRENT SWAP	UB	50	2,200	-97.7%	75	-33.3%
EUROPE JET KERO NWE CALSW	UJ	12	33	-63.6%	15	-20.0%
EUROPE NAPHTHA CALSWAP	UN	1,487	4,114	-63.9%	1,768	-15.9%
EURO PROPANE CIF ARA SWA	PS	2,578	2,028	27.1%	2,618	-1.5%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	-	0	-
FREIGHT MARKETS	ACB	1,020	0	-	420	142.9%

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Energy Futures						
FREIGHT MARKETS	FLP	761	1,289	-41.0%	829	-8.2%
FREIGHT MARKETS	FRC	639	225	184.0%	570	12.1%
FREIGHT MARKETS	FRS	0	0	-	10	-100.0%
FREIGHT MARKETS	T2D	1,060	1,795	-40.9%	1,035	2.4%
FREIGHT MARKETS	TC6	0	0	-	0	-
FREIGHT MARKETS	TD3	0	30	-100.0%	0	-
FREIGHT MARKETS	TD8	0	150	-100.0%	0	-
FREIGHT MARKETS	USC	120	0	-	210	-42.9%
FUEL OIL CRACK VS ICE	FO	8,377	11,113	-24.6%	8,806	-4.9%
FUEL OIL NWE CRACK VS ICE	FI	156	171	-8.8%	156	0.0%
FUEL OIL (PLATS) CAR CM	1W	3	42	-92.9%	4	-25.0%
FUEL OIL (PLATS) CAR CN	1X	0	75	-100.0%	0	-
FUELOIL SWAP:CARGOES VS.B	FS	537	784	-31.5%	553	-2.9%
GAS EURO-BOB OXY NWE BARGES	7H	3,350	6,389	-47.6%	4,267	-21.5%
GAS EURO-BOB OXY NWE BARGES CRK	7K	19,638	33,505	-41.4%	22,908	-14.3%
GASOIL 0.1 CIF MED SWAP	Z4	0	0	-	0	-
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	0	-
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	6	39	-84.6%	6	0.0%
GASOIL 0.1 ROTTERDAM BARG	VL	36	100	-64.0%	42	-14.3%
GASOIL 10P CRG CIF NW VS	3V	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	TP	4	144	-97.2%	11	-63.6%
GASOIL BULLET SWAP	BG	0	0	-	0	-
GASOIL CALENDAR SWAP	GX	81	12	575.0%	67	20.9%
GASOIL CRACK SPREAD CALEN	GZ	10,992	18,257	-39.8%	11,789	-6.8%
GASOIL MINI CALENDAR SWAP	QA	1,551	876	77.1%	1,300	19.3%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	1,486	51	2,813.7%	1,440	3.2%
GROUP THREE ULSD (PLATTS)	A7	6	58	-89.7%	13	-53.8%
GROUP THREE UNLEAD GAS (P	A9	300	225	33.3%	300	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	8,614	7,171	20.1%	10,353	-16.8%
GRP THREE UNL GS (PLT) VS	A8	3,826	5,904	-35.2%	2,945	29.9%
GULF COAST 3% FUEL OIL BA	VZ	614	1,067	-42.5%	1,989	-69.1%
GULF COAST JET FUEL CLNDR	GE	66	819	-91.9%	197	-66.5%
GULF COAST JET VS NYM 2 H	ME	22,855	35,418	-35.5%	28,697	-20.4%
GULF COAST NO.6 FUEL OIL	MF	12,980	38,837	-66.6%	18,033	-28.0%
GULF COAST NO.6 FUEL OIL	MG	1,550	4,938	-68.6%	841	84.3%
GULF COAST ULSD CALENDAR	LY	1,506	1,871	-19.5%	1,641	-8.2%
GULF COAST ULSD CRACK SPR	GY	675	615	9.8%	700	-3.6%
HEATING OIL BALMO CLNDR S	1G	0	0	-	0	-
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%
HENRY HUB BASIS SWAP	HB	1,200	16,844	-92.9%	4,641	-74.1%
HENRY HUB FINANCIAL LAST	NBP	0	0	-	0	-
HENRY HUB FINANCIAL LAST	TTE	0	6	-100.0%	0	-
HENRY HUB INDEX SWAP FUTU	IN	4,641	24,904	-81.4%	6,051	-23.3%
HENRY HUB SWAP	NN	805,489	1,052,697	-23.5%	847,049	-4.9%
HOUSTON SHIP CHANNEL BASI	NH	6,892	12,239	-43.7%	7,419	-7.1%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	-	0	-
ICE BRENT DUBAI SWAP	DB	46,957	42,577	10.3%	44,981	4.4%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-
IN DELIVERY MONTH EUA	6T	0	2,450	-100.0%	0	-
INDIANA MISO	FAD	0	16,800	-100.0%	0	-

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INDIANA MISO	FTD	2,400	6,720	-64.3%	2,400	0.0%
INDIANA MISO	FTM	0	0	-	0	-
INDIANA MISO	PDD	546	2,355	-76.8%	277	97.1%
INDIANA MISO	PTD	455	581	-21.7%	390	16.7%
INDONESIAN COAL	MCC	0	0	-	0	-
INDONESIAN COAL ICI4	ICI	527	210	151.0%	833	-36.7%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	-	0	-
ISO NEW ENGLAND PK LMP	NI	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	JB	81	175	-53.7%	81	0.0%
JAPAN C&F NAPHTHA SWAP	JA	946	2,798	-66.2%	1,213	-22.0%
JAPAN NAPHTHA BALMO SWAP	E6	0	82	-100.0%	5	-100.0%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	6	-100.0%	0	-
JET CIF NWE VS ICE	JC	258	378	-31.7%	313	-17.6%
JET FUEL BRG FOB RDM VS I	9Q	0	0	-	0	-
JET FUEL CRG CIF NEW VS I	6X	132	0	-	132	0.0%
JET FUEL UP-DOWN BALMO CL	1M	4,145	5,565	-25.5%	3,090	34.1%
JKM LNG Futures	JKM	7,120	4,670	52.5%	6,175	15.3%
LA CARB DIESEL (OPIS)	LX	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	KL	28	525	-94.7%	63	-55.6%
LA CARBOB GASOLINE(OPIS)S	JL	0	550	-100.0%	200	-100.0%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	-	0	-
LA JET (OPIS) SWAP	JS	1,734	1,819	-4.7%	1,569	10.5%
LLS (ARGUS) CALENDAR SWAP	XA	322	563	-42.8%	341	-5.6%
LLS (ARGUS) VS WTI SWAP	WJ	13,503	34,346	-60.7%	14,049	-3.9%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-
MARS (ARGUS) VS WTI SWAP	YX	2,270	6,420	-64.6%	2,615	-13.2%
MARS (ARGUS) VS WTI TRD M	YV	29,007	16,600	74.7%	23,022	26.0%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTF	22,039	28,811	-23.5%	23,150	-4.8%
MCCLOSKEY RCH BAY COAL	MFF	1,679	3,034	-44.7%	3,030	-44.6%
MGF FUT	MGF	10	40	-75.0%	0	-
MGN1 SWAP FUT	MGN	270	336	-19.6%	370	-27.0%
MICHIGAN BASIS	NF	1,464	2,693	-45.6%	1,495	-2.1%
MICHIGAN MISO	HMO	0	8,288	-100.0%	0	-
MICHIGAN MISO	HMW	0	448	-100.0%	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	20	247	-91.9%	99	-79.8%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	90	0	-	320	-71.9%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	1,751	3,646	-52.0%	2,198	-20.3%
MJC FUT	MJC	60	330	-81.8%	80	-25.0%
MNC FUT	MNC	2,703	6,345	-57.4%	3,815	-29.1%
MONT BELVIEU ETHANE 5 DECIMAL	C0	43,154	42,299	2.0%	43,250	-0.2%
MONT BELVIEU ETHANE OPIS BALMO	8C	30	125	-76.0%	85	-64.7%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	139,249	127,903	8.9%	142,678	-2.4%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,895	1,427	32.8%	1,804	5.0%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	18,324	20,488	-10.6%	16,116	13.7%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	672	225	198.7%	575	16.9%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	58,798	54,119	8.6%	57,339	2.5%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,244	1,487	-16.3%	837	48.6%
NAT GAS BASIS SWAP	TZ6	427	3,043	-86.0%	644	-33.7%
NATURAL GAS	XIC	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	0	0	-	0	-
NATURAL GAS INDEX	TZI	0	0	-	0	-
NATURAL GAS PEN SWP	NP	125,577	158,372	-20.7%	134,771	-6.8%



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Energy Futures						
NEPOOL CNCTCT 5MW D AH O	P3	0	0	-	0	-
NEPOOL CONECTIC 5MW D AH	P2	0	0	-	0	-
NEPOOL INTR HUB 5MW D AH	H2	329,360	458,400	-28.2%	342,593	-3.9%
NEPOOL INTR HUB 5MW D AH	U6	16,881	27,572	-38.8%	17,441	-3.2%
NEPOOL NE MASS 5MW D AH O	P8	3,555	14,040	-74.7%	4,755	-25.2%
NEPOOL NE MASS 5MW D AH P	P7	192	765	-74.9%	252	-23.8%
NEPOOL RHD ISLD 5MW D AH	U4	0	0	-	0	-
NEPOOL RHODE IL 5MW D AH	U5	0	0	-	0	-
NEPOOL W CNT MASS 5MW D A	L9	0	0	-	0	-
NEPOOL W CNTR M 5MW D AH	R6	0	0	-	0	-
NEW ENGLAND HUB PEAK DAIL	CE	1,154	2,098	-45.0%	1,156	-0.2%
NEW YORK ETHANOL SWAP	EZ	1,532	1,130	35.6%	1,194	28.3%
NEW YORK HUB ZONE G PEAK	GN	1,092	2,304	-52.6%	1,088	0.4%
NEW YORK HUB ZONE J PEAK	JN	1,085	640	69.5%	1,190	-8.8%
NGPL MID-CONTINENT	NL	5,476	16,757	-67.3%	7,076	-22.6%
NGPL TEX/OK	PD	5,625	31,076	-81.9%	7,542	-25.4%
N ILLINOIS HUB DAILY	UD	68	178	-61.8%	98	-30.6%
N ILLINOIS HUB MTHLY	UM	0	0	-	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	250	350	-28.6%	150	66.7%
NORTHEN NATURAL GAS DEMAR	PE	0	444	-100.0%	62	-100.0%
NORTHEN NATURAL GAS VENTU	PF	0	1,384	-100.0%	186	-100.0%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	NR	3,293	20,056	-83.6%	4,657	-29.3%
N ROCKIES PIPE SWAP	XR	0	59	-100.0%	0	-
NY1% VS GC SPREAD SWAP	VR	2,265	2,060	10.0%	2,479	-8.6%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	-	0	-
NY 3.0% FUEL OIL (PLATTS	H1	0	295	-100.0%	0	-
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	8,687	11,640	-25.4%	8,861	-2.0%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	840	330	154.5%	840	0.0%
NY HARBOR RESIDUAL FUEL 1	MM	1,384	1,522	-9.1%	1,071	29.2%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	3,000	3,762	-20.3%	2,520	19.0%
NYISO A	KA	0	0	-	0	-
NYISO A OFF-PEAK	KB	0	0	-	0	-
NYISO CAPACITY	LHV	352	652	-46.0%	399	-11.8%
NYISO CAPACITY	NNC	6	462	-98.7%	34	-82.4%
NYISO CAPACITY	NRS	52	502	-89.6%	87	-40.2%
NYISO G	KG	0	0	-	0	-
NYISO G OFF-PEAK	KH	0	0	-	0	-
NYISO J	KJ	0	0	-	0	-
NYISO J OFF-PEAK	KK	0	0	-	0	-
NYISO ZONE A 5MW D AH O P	K4	10,160	50,747	-80.0%	10,962	-7.3%
NYISO ZONE A 5MW D AH PK	K3	252	4,825	-94.8%	492	-48.8%
NYISO ZONE C 5MW D AH O P	A3	0	0	-	0	-
NYISO ZONE C 5MW D AH PK	Q5	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	D2	402,573	587,403	-31.5%	423,826	-5.0%
NYISO ZONE G 5MW D AH PK	T3	20,974	23,242	-9.8%	21,494	-2.4%
NYISO ZONE J 5MW D AH O P	D4	26,256	165,016	-84.1%	38,286	-31.4%
NYISO ZONE J 5MW D AH PK	D3	2,791	12,451	-77.6%	3,491	-20.1%
NYMEX ALUMINUM FUTURES	AN	372	891	-58.2%	408	-8.8%
NYMEX ULSD VS NYMEX HO	UY	550	0	-	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	1,061	178	496.1%	437	142.8%



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Energy Futures						
ONEOK OKLAHOMA NG BASIS	8X	0	122	-100.0%	1,860	-100.0%
ONTARIO POWER SWAPS	OFD	0	0	-	0	-
ONTARIO POWER SWAPS	OFM	0	0	-	0	-
ONTARIO POWER SWAPS	OPD	0	0	-	0	-
ONTARIO POWER SWAPS	OPM	0	0	-	0	-
PANHANDLE BASIS SWAP FUTU	PH	1,555	6,182	-74.8%	1,927	-19.3%
PANHANDLE PIPE SWAP	XH	0	394	-100.0%	0	-
PERMIAN BASIS SWAP	PM	3,416	5,300	-35.5%	3,540	-3.5%
PETROCHEMICALS	22	166	306	-45.8%	176	-5.7%
PETROCHEMICALS	32	103	96	7.3%	72	43.1%
PETROCHEMICALS	3NA	12	6	100.0%	21	-42.9%
PETROCHEMICALS	51	36	3	1,100.0%	36	0.0%
PETROCHEMICALS	8I	5,606	5,599	0.1%	5,441	3.0%
PETROCHEMICALS	91	925	1,035	-10.6%	849	9.0%
PETROCHEMICALS	HPE	0	0	-	0	-
PETROCHEMICALS	MAA	0	0	-	0	-
PETROCHEMICALS	MAC	0	0	-	0	-
PETROCHEMICALS	MAE	1,407	538	161.5%	1,459	-3.6%
PETROCHEMICALS	MAS	443	389	13.9%	500	-11.4%
PETROCHEMICALS	MBE	350	615	-43.1%	405	-13.6%
PETROCHEMICALS	MNB	1,751	3,772	-53.6%	1,842	-4.9%
PETROCHEMICALS	MPS	596	360	65.6%	625	-4.6%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STR	465	0	-	540	-13.9%
PETRO CRCKS & SPRDS ASIA	STS	202	501	-59.7%	237	-14.8%
PETRO CRCKS & SPRDS NA	CRB	7,653	7,020	9.0%	7,794	-1.8%
PETRO CRCKS & SPRDS NA	EXR	3,248	3,831	-15.2%	3,278	-0.9%
PETRO CRCKS & SPRDS NA	FOC	1,180	1,250	-5.6%	1,390	-15.1%
PETRO CRCKS & SPRDS NA	GBB	281	975	-71.2%	500	-43.8%
PETRO CRCKS & SPRDS NA	GCC	0	315	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GCI	1,897	2,670	-29.0%	2,290	-17.2%
PETRO CRCKS & SPRDS NA	GCM	300	21	1,328.6%	300	0.0%
PETRO CRCKS & SPRDS NA	GCU	9,320	21,354	-56.4%	9,147	1.9%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	11,324	4,901	131.1%	11,549	-1.9%
PETRO CRCKS & SPRDS NA	KSD	0	0	-	0	-
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NYF	75	0	-	75	0.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	17,913	12,444	43.9%	18,856	-5.0%
PETRO CRCKS & SPRDS NA	RVG	14,514	19,392	-25.2%	9,433	53.9%
PETRO CRCKS & SPRDS NA	SF3	185	45	311.1%	252	-26.6%
PETRO CRK&SPRD EURO	1NB	913	2,442	-62.6%	1,173	-22.2%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-
PETRO CRK&SPRD EURO	43	0	45	-100.0%	0	-
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-
PETRO CRK&SPRD EURO	BOB	3,215	4,139	-22.3%	3,502	-8.2%
PETRO CRK&SPRD EURO	EGB	0	0	-	0	-
PETRO CRK&SPRD EURO	EGN	0	0	-	0	-
PETRO CRK&SPRD EURO	EOB	20	61	-67.2%	20	0.0%
PETRO CRK&SPRD EURO	EPN	1,517	2,041	-25.7%	1,488	1.9%

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Energy Futures						
PETRO CRK&SPRD EURO	EVC	2,955	4,582	-35.5%	2,852	3.6%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-
PETRO CRK&SPRD EURO	FVB	30	30	0.0%	30	0.0%
PETRO CRK&SPRD EURO	GCB	10	0	-	0	-
PETRO CRK&SPRD EURO	GOC	15	24	-37.5%	16	-6.2%
PETRO CRK&SPRD EURO	MGB	70	30	133.3%	30	133.3%
PETRO CRK&SPRD EURO	MUD	110	89	23.6%	90	22.2%
PETRO CRK&SPRD EURO	NBB	0	20	-100.0%	0	-
PETRO CRK&SPRD EURO	NOB	1,197	3,049	-60.7%	1,334	-10.3%
PETRO CRK&SPRD EURO	SFB	0	0	-	5	-100.0%
PETROLEUM PRODUCTS	1NM	30	0	-	50	-40.0%
PETROLEUM PRODUCTS	EWB	0	0	-	0	-
PETROLEUM PRODUCTS	EWG	2,600	9,633	-73.0%	2,825	-8.0%
PETROLEUM PRODUCTS	JCC	700	0	-	700	0.0%
PETROLEUM PRODUCTS	MBS	0	0	-	0	-
PETROLEUM PRODUCTS	MGS	0	0	-	0	-
PETROLEUM PRODUCTS	MME	0	0	-	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	NCC	10	0	-	10	0.0%
PETROLEUM PRODUCTS	R5F	7	0	-	3	133.3%
PETROLEUM PRODUCTS	S53	50	0	-	45	11.1%
PETROLEUM PRODUCTS	UP5	72	0	-	54	33.3%
PETROLEUM PRODUCTS	VU	125	0	-	13	861.5%
PETROLEUM PRODUCTS ASIA	E6M	20	60	-66.7%	0	-
PETROLEUM PRODUCTS ASIA	MJN	1,145	2,214	-48.3%	1,595	-28.2%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	20	-100.0%
PETRO OUTRIGHT EURO	0B	321	0	-	201	59.7%
PETRO OUTRIGHT EURO	0C	0	0	-	0	-
PETRO OUTRIGHT EURO	0D	2,294	3,927	-41.6%	2,415	-5.0%
PETRO OUTRIGHT EURO	0E	10	0	-	50	-80.0%
PETRO OUTRIGHT EURO	0F	314	660	-52.4%	508	-38.2%
PETRO OUTRIGHT EURO	1T	12	33	-63.6%	15	-20.0%
PETRO OUTRIGHT EURO	33	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	0	0	-	25	-100.0%
PETRO OUTRIGHT EURO	63	30	5	500.0%	62	-51.6%
PETRO OUTRIGHT EURO	6L	0	0	-	0	-
PETRO OUTRIGHT EURO	7I	220	262	-16.0%	75	193.3%
PETRO OUTRIGHT EURO	7R	39	159	-75.5%	40	-2.5%
PETRO OUTRIGHT EURO	88	6	0	-	0	-
PETRO OUTRIGHT EURO	CBB	35	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTRIGHT EURO	CPB	125	175	-28.6%	138	-9.4%
PETRO OUTRIGHT EURO	EFF	0	48	-100.0%	0	-
PETRO OUTRIGHT EURO	EFM	3	0	-	4	-25.0%
PETRO OUTRIGHT EURO	ENS	68	90	-24.4%	68	0.0%
PETRO OUTRIGHT EURO	ESB	0	0	-	0	-
PETRO OUTRIGHT EURO	EWN	359	1,354	-73.5%	403	-10.9%
PETRO OUTRIGHT EURO	FBD	0	0	-	0	-
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-
PETRO OUTRIGHT EURO	GES	0	5	-100.0%	0	-
PETRO OUTRIGHT EURO	H5G	192	0	-	192	0.0%
PETRO OUTRIGHT EURO	M1B	945	0	-	458	106.3%
PETRO OUTRIGHT EURO	M35	15	0	-	19	-21.1%

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Energy Futures					
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT EURO	2,115	2,865	-26.2%	2,505	-15.6%
PETRO OUTRIGHT EURO	385	699	-44.9%	557	-30.9%
PETRO OUTRIGHT EURO	86	0	-	66	30.3%
PETRO OUTRIGHT EURO	826	0	-	672	22.9%
PETRO OUTRIGHT EURO	1,759	0	-	1,006	74.9%
PETRO OUTRIGHT EURO	83	0	-	39	112.8%
PETRO OUTRIGHT EURO	683	0	-	579	18.0%
PETRO OUTRIGHT EURO	188	0	-	49	283.7%
PETRO OUTRIGHT EURO	525	264	98.9%	600	-12.5%
PETRO OUTRIGHT EURO	9	63	-85.7%	9	0.0%
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT EURO	0	240	-100.0%	0	-
PETRO OUTRIGHT EURO	0	116	-100.0%	0	-
PETRO OUTRIGHT NA	0	64	-100.0%	0	-
PETRO OUTRIGHT NA	0	0	-	0	-
PETRO OUTRIGHT NA	240	99	142.4%	240	0.0%
PETRO OUTRIGHT NA	2,800	4,575	-38.8%	2,431	15.2%
PETRO OUTRIGHT NA	448	2,090	-78.6%	1,025	-56.3%
PETRO OUTRIGHT NA	264	30	780.0%	204	29.4%
PETRO OUTRIGHT NA	225	316	-28.8%	128	75.8%
PETRO OUTRIGHT NA	2,174	3,516	-38.2%	2,781	-21.8%
PETRO OUTRIGHT NA	103	0	-	70	47.1%
PETRO OUTRIGHT NA	15	130	-88.5%	44	-65.9%
PETRO OUTRIGHT NA	0	0	-	0	-
PETRO OUTRIGHT NA	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	150,778	227,517	-33.7%	166,570	-9.5%
PJM AD HUB 5MW REAL TIME	14,128	19,893	-29.0%	14,565	-3.0%
PJM AECO DA OFF-PEAK	0	0	-	0	-
PJM AECO DA PEAK	0	0	-	0	-
PJM APS ZONE DA OFF-PEAK	0	0	-	0	-
PJM APS ZONE DA PEAK	0	0	-	0	-
PJM ATSI ELEC	0	0	-	0	-
PJM ATSI ELEC	0	0	-	0	-
PJM BGE DA OFF-PEAK	0	2,370	-100.0%	0	-
PJM BGE DA PEAK	0	128	-100.0%	0	-
PJM COMED 5MW D AH O PK	0	5,925	-100.0%	0	-
PJM COMED 5MW D AH PK	0	320	-100.0%	0	-
PJM DAILY	960	822	16.8%	954	0.6%
PJM DAYTON DA OFF-PEAK	48,760	73,512	-33.7%	50,765	-3.9%
PJM DAYTON DA PEAK	2,780	5,620	-50.5%	2,980	-6.7%
PJM JCPL DA OFF-PEAK	0	0	-	0	-
PJM JCPL DA PEAK	0	0	-	0	-
PJM NI HUB 5MW REAL TIME	5,239	13,579	-61.4%	6,021	-13.0%
PJM NI HUB 5MW REAL TIME	85,371	193,281	-55.8%	92,515	-7.7%
PJM NILL DA OFF-PEAK	13,872	178,624	-92.2%	27,506	-49.6%
PJM NILL DA PEAK	819	11,045	-92.6%	1,599	-48.8%
PJM OFF-PEAK LMP SWAP FUT	0	120	-100.0%	0	-
PJM PECO ZONE5MW PEAK CAL MO DAY AH	1,280	0	-	1,680	-23.8%
PJM PPL DA OFF-PEAK	0	0	-	0	-
PJM PPL DA PEAK	0	0	-	0	-

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Energy Futures						
PJM PSEG DA OFF-PEAK	W6	29,625	38,880	-23.8%	39,625	-25.2%
PJM PSEG DA PEAK	L6	1,600	1,275	25.5%	2,100	-23.8%
PJM WESTH DA OFF-PEAK	E4	61,420	218,052	-71.8%	74,252	-17.3%
PJM WESTHDA PEAK	J4	3,306	11,734	-71.8%	3,946	-16.2%
PJM WESTH RT OFF-PEAK	N9	506,431	1,123,150	-54.9%	531,999	-4.8%
PJM WESTH RT PEAK	L1	59,638	67,455	-11.6%	69,134	-13.7%
PLASTICS	PGP	3,669	1,600	129.3%	3,288	11.6%
PREMIUM UNLD 10P FOB MED	3G	82	402	-79.6%	145	-43.4%
PREMIUM UNLEAD 10PPM FOB	8G	32	0	-	74	-56.8%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	5	201	-97.5%	5	0.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,441	170	747.6%	677	112.9%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	52,857	61,370	-13.9%	49,851	6.0%
RBOB CALENDAR SWAP	RL	15,752	20,140	-21.8%	15,420	2.2%
RBOB CRACK SPREAD	RM	4,734	4,895	-3.3%	3,872	22.3%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	198	530	-62.6%	724	-72.7%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-
RBOB VS HEATING OIL SWAP	RH	75	165	-54.5%	25	200.0%
SAN JUAN BASIS SWAP	NJ	794	9,542	-91.7%	1,507	-47.3%
SAN JUAN PIPE SWAP	XX	0	360	-100.0%	0	-
SINGAPORE 180CST BALMO	BS	117	20	485.0%	96	21.9%
SINGAPORE 380CST BALMO	BT	17	246	-93.1%	77	-77.9%
SINGAPORE 380CST FUEL OIL	SE	3,488	10,269	-66.0%	4,056	-14.0%
SINGAPORE FUEL 180CST CAL	UA	166	693	-76.0%	257	-35.4%
SINGAPORE FUEL OIL SPREAD	SD	149	789	-81.1%	171	-12.9%
SINGAPORE GASOIL	MAF	3,671	918	299.9%	3,858	-4.8%
SINGAPORE GASOIL	MTB	138	15	820.0%	65	112.3%
SINGAPORE GASOIL	MTS	3,858	7,318	-47.3%	5,070	-23.9%
SINGAPORE GASOIL	STZ	0	450	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	408	313	30.4%	342	19.3%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-
SINGAPORE GASOIL SWAP	SG	830	7,305	-88.6%	930	-10.8%
SINGAPORE GASOIL VS ICE	GA	7,178	39,241	-81.7%	8,185	-12.3%
SINGAPORE JET KERO BALMO	BX	50	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	1,350	9,885	-86.3%	2,075	-34.9%
SINGAPORE JET KEROSENE SW	KS	1,640	4,475	-63.4%	1,000	64.0%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	375	-100.0%	25	-100.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	6,799	15,690	-56.7%	6,903	-1.5%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-
SING FUEL	MSD	5	5	0.0%	0	-
SOCAL PIPE SWAP	XN	0	0	-	0	-
SONAT BASIS SWAP FUTURE	SZ	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	8Z	0	20	-100.0%	0	-
Sumas Basis Swap	NK	821	3,187	-74.2%	945	-13.1%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	TM	571	329	73.6%	571	0.0%



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Energy Futures						
TC5 RAS TANURA TO YOKOHAM	TH	1,360	725	87.6%	1,425	-4.6%
TCO BASIS SWAP	TC	1,464	4,869	-69.9%	1,836	-20.3%
TCO NG INDEX SWAP	Q1	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	TL	13,475	5,861	129.9%	13,539	-0.5%
TENNESSEE 500 LEG BASIS S	NM	0	0	-	0	-
TENNESSEE 800 LEG NG BASI	6Z	0	0	-	0	-
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-
TETCO M-3 INDEX	IX	0	0	-	0	-
Tetco STX Basis	TX	0	122	-100.0%	0	-
TEXAS EASTERN ZONE M-3 BA	NX	1,036	2,913	-64.4%	1,098	-5.6%
TEXAS GAS ZONE1 NG BASIS	9F	0	960	-100.0%	0	-
Transco Zone 3 Basis	CZ	0	549	-100.0%	0	-
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	TR	1,804	3,843	-53.1%	1,938	-6.9%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	-	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	0	302	-100.0%	0	-
TRANSCO ZONE 6 INDEX	IT	0	0	-	0	-
UCM FUT	UCM	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	330	130	153.8%	355	-7.0%
ULSD 10PPM CIF MED SWAP	Z6	0	0	-	0	-
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-
ULSD 10PPM CIF NW BALMO S	B1	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	10,555	6,550	61.1%	5,055	108.8%
UP DOWN GC ULSD VS NMX HO	LT	61,010	45,003	35.6%	58,593	4.1%
WAHA BASIS	NW	814	3,095	-73.7%	913	-10.8%
WAHA INDEX SWAP FUTURE	IY	0	0	-	0	-
WESTERN RAIL DELIVERY PRB	QP	0	120	-100.0%	0	-
WTI-BRENT BULLET SWAP	BY	804	6,504	-87.6%	1,034	-22.2%
WTI-BRENT CALENDAR SWAP	BK	171,411	134,191	27.7%	159,947	7.2%
WTI CALENDAR	CS	172,302	180,676	-4.6%	172,341	0.0%
WTS (ARGUS) VS WTI SWAP	FF	67,275	60,714	10.8%	63,884	5.3%
WTS (ARGUS) VS WTI TRD MT	FH	4,455	5,353	-16.8%	4,619	-3.6%
Energy Options						
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	-	0	-
BRENT 1 MONTH CAL	AA	0	0	-	0	-
BRENT CALENDAR SWAP	BA	8,514	10,560	-19.4%	8,739	-2.6%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	9C	3,600	38,300	-90.6%	8,130	-55.7%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-
BRENT OIL LAST DAY	BE	24,800	38,324	-35.3%	54,172	-54.2%
BRENT OIL LAST DAY	BZO	67,594	186,092	-63.7%	183,155	-63.1%
BRENT OIL LAST DAY	OS	0	150	-100.0%	50	-100.0%
COAL API2 INDEX	CLA	335	3,810	-91.2%	335	0.0%
COAL API2 INDEX	CQA	175	925	-81.1%	175	0.0%
COAL API2 INDEX	MTC	0	0	-	0	-
COAL API4 INDEX	RLA	0	25	-100.0%	0	-
COAL API4 INDEX	RQA	0	0	-	0	-
COAL SWAP	CPF	0	0	-	0	-
COAL SWAP	RPF	0	0	-	0	-
CRUDE OIL	6Y	150	0	-	150	0.0%
CRUDE OIL 1MO	WA	414,975	330,810	25.4%	495,775	-16.3%
CRUDE OIL APO	AO	329,938	350,831	-6.0%	349,914	-5.7%



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Energy Options					
CRUDE OIL CALNDR STRIP	200	170	17.6%	200	0.0%
CRUDE OIL OUTRIGHTS	0	6,000	-100.0%	0	-
CRUDE OIL OUTRIGHTS	0	0	-	0	-
CRUDE OIL OUTRIGHTS	0	1,060	-100.0%	0	-
CRUDE OIL PHY	0	0	0.0%	0	-
CRUDE OIL PHY	54,742	51,461	6.4%	43,966	24.5%
CRUDE OIL PHY	2,300,030	3,165,231	-27.3%	2,256,480	1.9%
CRUDE OIL PHY	5,371	5,793	-7.3%	5,762	-6.8%
CRUDE OIL PHY	3,249	1,170	177.7%	447	626.8%
CRUDE OIL PHY	0	52	-100.0%	188	-100.0%
CRUDE OIL PHY	1,356	95	1,327.4%	0	0.0%
CRUDE OIL PHY	832	0	-	0	-
ELEC MISO PEAK	0	0	-	0	-
ETHANOL	0	0	-	0	-
ETHANOL	0	0	-	0	-
ETHANOL SWAP	13,798	6,231	121.4%	17,163	-19.6%
ETHANOL SWAP	90	2,313	-96.1%	580	-84.5%
EUROPEAN JET KEROSENE NWE (PLATTS) AVG PRC	0	0	-	0	-
FREIGHT MARKETS	1,800	0	-	1,800	0.0%
GASOLINE	0	0	-	0	-
HEATING OIL CRACK OPTIONS	0	0	-	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	0	0	-	0	-
HEATING OIL PHY	186	416	-55.3%	288	-35.4%
HEATING OIL PHY	43,955	45,528	-3.5%	46,319	-5.1%
HENRY HUB FINANCIAL LAST	11,954	5,262	127.2%	12,030	-0.6%
HO 1 MONTH CLNDR OPTIONS	0	100	-100.0%	0	-
LLS CRUDE OIL	0	600	-100.0%	0	-
LLS CRUDE OIL	0	0	-	0	-
MCCLOSKY ARA ARGS COAL	50	90	-44.4%	0	-
MCCLOSKY RCH BAY COAL	60	270	-77.8%	275	-78.2%
NATURAL GAS	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	142,800	81,730	74.7%	122,825	16.3%
NATURAL GAS 2 M CSO FIN	0	0	-	1,575	-100.0%
NATURAL GAS 3 M CSO FIN	2,400	0	-	2,100	14.3%
NATURAL GAS 5 M CSO FIN	2,750	0	-	2,700	1.9%
NATURAL GAS 6 M CSO FIN	26,250	13,300	97.4%	15,200	72.7%
NATURAL GAS OPTION ON CALENDAR STRP	19,384	14,342	35.2%	18,184	6.6%
NATURAL GAS PHY	0	0	0.0%	0	0.0%
NATURAL GAS PHY	1,800,580	2,188,155	-17.7%	1,690,303	6.5%
NATURAL GAS PHY	102,226	202,895	-49.6%	74,942	36.4%
NATURAL GAS WINTER STRIP	0	0	-	1,500	-100.0%
N ROCKIES PIPE SWAP	4,658	2,986	56.0%	4,476	4.1%
NY HARBOR HEAT OIL SWP	11,968	14,747	-18.8%	13,515	-11.4%
NYISO ZONE G 5MW PEAK OPTIONS	0	0	-	0	-
NYMEX EUROPEAN GASOIL APO	0	0	-	0	-
PANHANDLE PIPE SWAP	0	960	-100.0%	0	-
PETROCHEMICALS	2,888	5,337	-45.9%	3,570	-19.1%
PETROCHEMICALS	225	1,155	-80.5%	300	-25.0%
PETROCHEMICALS	280	1,650	-83.0%	280	0.0%
PETROCHEMICALS	20	0	-	20	0.0%
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT EURO	24	0	-	24	0.0%
PETRO OUTRIGHT NA	618	210	194.3%	724	-14.6%

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Energy Options						
PJM WES HUB PEAK CAL MTH	60A	1,390	2,030	-31.5%	1,280	8.6%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-
PJM WES HUB PEAK LMP 50MW	PMA	512	3,895	-86.9%	532	-3.8%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-
RBOB CALENDAR SWAP	RA	295	385	-23.4%	240	22.9%
RBOB CRACK	RX	0	2	-100.0%	0	-
RBOB PHY	OB	8,584	12,039	-28.7%	9,442	-9.1%
RBOB PHY	RF	0	0	-	0	-
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-
SAN JUAN PIPE SWAP	PJ	3,880	2,527	53.5%	2,970	30.6%
SHORT TERM	C15	0	0	-	0	-
SHORT TERM	U11	0	0	-	0	-
SHORT TERM	U12	0	0	-	0	-
SHORT TERM	U13	0	0	-	0	-
SHORT TERM	U14	0	0	-	0	-
SHORT TERM	U15	0	0	-	0	-
SHORT TERM	U22	0	0	-	0	-
SHORT TERM	U23	0	0	-	0	-
SHORT TERM	U24	0	0	-	0	-
SHORT TERM	U25	0	0	-	0	-
SHORT TERM	U26	0	0	-	0	-
SHORT TERM NATURAL GAS	U01	125	0	-	0	-
SHORT TERM NATURAL GAS	U02	0	1,350	-100.0%	0	-
SHORT TERM NATURAL GAS	U03	0	0	-	0	-
SHORT TERM NATURAL GAS	U04	0	0	-	0	-
SHORT TERM NATURAL GAS	U05	0	0	-	0	-
SHORT TERM NATURAL GAS	U06	0	0	-	0	-
SHORT TERM NATURAL GAS	U07	0	0	-	0	-
SHORT TERM NATURAL GAS	U08	0	0	-	0	-
SHORT TERM NATURAL GAS	U09	0	0	-	0	-
SHORT TERM NATURAL GAS	U10	0	0	-	0	-
SHORT TERM NATURAL GAS	U16	0	0	-	0	-
SHORT TERM NATURAL GAS	U17	0	0	-	0	-
SHORT TERM NATURAL GAS	U18	0	0	-	0	-
SHORT TERM NATURAL GAS	U19	0	0	-	0	-
SHORT TERM NATURAL GAS	U20	0	0	-	0	-
SHORT TERM NATURAL GAS	U21	0	0	-	0	-
SHORT TERM NATURAL GAS	U27	0	0	-	0	-
SHORT TERM NATURAL GAS	U28	0	0	-	0	-
SHORT TERM NATURAL GAS	U29	0	0	-	0	-
SHORT TERM NATURAL GAS	U30	0	0	-	0	0.0%
SHORT TERM NATURAL GAS	U31	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-
SINGAPORE JET FUEL CALEND	N2	0	0	-	0	-
SOCAL PIPE SWAP	ZN	0	0	-	0	-
WTI-BRENT BULLET SWAP	BV	101,000	90,814	11.2%	145,025	-30.4%
WTI CRUDE OIL 1 M CSO FI	7A	147,185	141,975	3.7%	95,920	53.4%
Metals Futures						
COMEX GOLD	GC	681,205	492,606	38.3%	610,343	11.6%
NYMEX HOT ROLLED STEEL	HR	16,685	18,075	-7.7%	14,952	11.6%
NYMEX PLATINUM	PL	89,351	75,566	18.2%	85,543	4.5%



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Metals Futures						
PALLADIUM	PA	28,469	27,454	3.7%	23,854	19.3%
URANIUM	UX	2,406	4,670	-48.5%	2,406	0.0%
COMEX SILVER	SI	224,936	211,879	6.2%	213,288	5.5%
COMEX E-Mini GOLD	QO	2,709	2,430	11.5%	1,877	44.3%
COMEX E-Mini SILVER	QI	444	276	60.9%	475	-6.5%
COMEX COPPER	HG	238,590	259,850	-8.2%	234,852	1.6%
COMEX MINY COPPER	QC	83	48	72.9%	65	27.7%
ALUMINUM	A38	28	72	-61.1%	53	-47.2%
ALUMINUM	AEP	11,671	11,021	5.9%	9,397	24.2%
ALUMINUM	ALA	720	2,000	-64.0%	510	41.2%
ALUMINUM	ALI	520	0	-	281	85.1%
ALUMINUM	AUP	25,354	30,943	-18.1%	22,930	10.6%
ALUMINUM	CUP	0	0	-	0	-
ALUMINUM	EDP	11,558	11,079	4.3%	9,685	19.3%
ALUMINUM	MJP	4,920	8,760	-43.8%	6,342	-22.4%
COPPER	HGS	11,465	12,980	-11.7%	10,081	13.7%
E-MICRO GOLD	MGC	22,752	14,150	60.8%	22,979	-1.0%
FERROUS PRODUCTS	BUS	2,162	3,988	-45.8%	2,746	-21.3%
GOLD	GPS	0	0	-	0	-
GOLD	SGC	68	0	-	0	-
GOLD	SGU	83	0	-	0	-
Gold Kilo	GCK	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	240	-100.0%	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	5,787	8,800	-34.2%	6,072	-4.7%
LNDN ZINC	ZNC	0	42	-100.0%	0	-
SILVER	SIL	2,613	2,274	14.9%	2,146	21.8%
Metals Options						
COMEX COPPER	HX	38,490	30,540	26.0%	31,057	23.9%
COMEX GOLD	OG	1,708,953	1,369,304	24.8%	1,682,120	1.6%
COMEX SILVER	SO	219,551	245,758	-10.7%	228,727	-4.0%
COPPER	H1E	26	12	116.7%	20	30.0%
COPPER	H2E	10	5	100.0%	20	-50.0%
COPPER	H3E	0	0	-	420	-100.0%
COPPER	H4E	0	0	-	0	-
COPPER	H5E	0	0	-	0	-
GOLD	OG1	15,770	5,927	166.1%	18,135	-13.0%
GOLD	OG2	15,021	5,462	175.0%	8,157	84.1%
GOLD	OG3	5,308	1,355	291.7%	4,084	30.0%
GOLD	OG4	794	80	892.5%	224	254.5%
GOLD	OG5	0	0	-	0	-
HOT ROLLED COIL STEEL CALL OPTION	HRO	550	300	83.3%	600	-8.3%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	1,230	766	60.6%	1,240	-0.8%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	615	90	583.3%	620	-0.8%
NYMEX PLATINUM	PO	5,276	5,980	-11.8%	2,703	95.2%
PALLADIUM	PAO	2,239	2,150	4.1%	2,142	4.5%
SILVER	SO1	1,995	445	348.3%	2,895	-31.1%
SILVER	SO2	744	428	73.8%	638	16.6%
SILVER	SO3	452	118	283.1%	711	-36.4%
SILVER	SO4	16	58	-72.4%	0	0.0%
SILVER	SO5	0	0	-	0	-



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TOTAL FUTURES GROUP					
Ag Products Futures	1	2	-50.0%	3	-66.7%
Energy Futures	9,407,742	12,564,930	-25.1%	9,516,994	-1.1%
Metals Futures	1,384,579	1,199,203	15.5%	1,280,877	8.1%
TOTAL FUTURES	10,792,322	13,764,135	-21.6%	10,797,874	-0.1%
TOTAL OPTIONS GROUP					
Energy Options	5,667,796	7,034,153	-19.4%	5,693,740	-0.5%
Metals Options	2,017,040	1,668,778	20.9%	1,984,513	1.6%
TOTAL OPTIONS	7,684,836	8,702,931	-11.7%	7,678,253	0.1%
TOTAL COMBINED					
Ag Products	1	2	-50.0%	3	-66.7%
Energy	15,075,538	19,599,083	-23.1%	15,210,734	-0.9%
Metals	3,401,619	2,867,981	18.6%	3,265,390	4.2%
GRAND TOTAL	18,477,158	22,467,066	-17.8%	18,476,127	0.0%