



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest AUG 2019	Open Interest AUG 2018	% CHG	Open Interest JUL 2019	% CHG	
Ag Products Futures						
COCOA TAS	CJ	0	0	-	0	-
COFFEE	KT	0	0	-	0	-
COTTON	TT	3	2	50.0%	2	50.0%
SUGAR 11	YO	0	0	-	0	-
Energy Futures						
CRUDE OIL PHY	CL	2,063,053	2,299,818	-10.3%	2,055,140	0.4%
CRUDE OIL	WS	286	572	-50.0%	286	0.0%
MINY WTI CRUDE OIL	QM	3,958	3,805	4.0%	3,696	7.1%
BRENT OIL LAST DAY	BZ	231,351	185,571	24.7%	240,143	-3.7%
HEATING OIL PHY	HO	410,542	409,633	0.2%	425,248	-3.5%
HTG OIL	BH	159	201	-20.9%	172	-7.6%
MINY HTG OIL	QH	1	1	0.0%	0	-
RBOB PHY	RB	383,571	444,730	-13.8%	401,138	-4.4%
MINY RBOB GAS	QU	1	0	0.0%	0	0.0%
NATURAL GAS	HP	82,965	76,118	9.0%	79,778	4.0%
LTD NAT GAS	HH	321,070	452,786	-29.1%	334,298	-4.0%
MINY NATURAL GAS	QG	3,967	1,301	204.9%	5,354	-25.9%
PJM MONTHLY	JM	200	990	-79.8%	240	-16.7%
NATURAL GAS PHY	NG	1,315,574	1,617,963	-18.7%	1,338,108	-1.7%
RBOB GAS	RT	96	105	-8.6%	104	-7.7%
3.5% FUEL OIL CID MED SWA	7D	39	148	-73.6%	44	-11.4%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-
AEP-DAYTON HUB DAILY	VD	38	82	-53.7%	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	668	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	E5	21,794	40,046	-45.6%	25,300	-13.9%
ARGUS PROPAN FAR EST INDE	7E	5,534	5,420	2.1%	5,558	-0.4%
ARGUS PROPAN(SAUDI ARAMCO)	9N	2,174	2,164	0.5%	1,586	37.1%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-
AUSTRIALIAN COKE COAL	ALW	20	168	-88.1%	24	-16.7%
BRENT BALMO SWAP	J9	362	0	-	50	624.0%
BRENT CALENDAR SWAP	CY	30,104	19,293	56.0%	31,206	-3.5%
BRENT CFD SWAP	6W	0	0	-	0	-
BRENT FINANCIAL FUTURES	BB	158	4,322	-96.3%	158	0.0%
BRENT FINANCIAL FUTURES	MBC	449	127	253.5%	209	114.8%
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	21	-100.0%	0	-
CENTERPOINT BASIS SWAP	PW	359	4,689	-92.3%	468	-23.3%
CHICAGO ETHANOL SWAP	CU	44,788	63,663	-29.6%	46,069	-2.8%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	-	0	-
CHICAGO ULSD PL VS HO SPR	5C	2,929	1,528	91.7%	3,241	-9.6%
CHICAGO UNL GAS PL VS RBO	3C	312	675	-53.8%	489	-36.2%



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Energy Futures						
CIG BASIS	CI	2,220	11,996	-81.5%	2,790	-20.4%
CIG ROCKIES NG INDEX SWA	Z8	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	EJ	0	50	-100.0%	0	-
CINERGY HUB PEAK MONTH	EM	0	120	-100.0%	0	-
CIN HUB 5MW D AH O PK	K2	0	41,440	-100.0%	0	-
CIN HUB 5MW D AH PK	H5	698	5,720	-87.8%	566	23.3%
CIN HUB 5MW REAL TIME O P	H4	72,304	261,704	-72.4%	82,104	-11.9%
CIN HUB 5MW REAL TIME PK	H3	7,259	23,988	-69.7%	8,689	-16.5%
COAL SWAP	ACM	0	40	-100.0%	0	-
COAL SWAP	SSI	0	0	-	0	-
COLUMB GULF MAINLINE NG B	5Z	790	1,330	-40.6%	845	-6.5%
COLUMBIA GULF ONSHORE	GL	0	0	-	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	1,277	985	29.6%	973	31.2%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,269	1,694	-25.1%	1,285	-1.2%
CONWAY PROPANE 5 DECIMALS SWAP	8K	25,834	26,527	-2.6%	25,427	1.6%
CRUDE OIL	LPS	19,710	22,650	-13.0%	19,425	1.5%
CRUDE OIL OUTRIGHTS	42	50	98	-49.0%	42	19.0%
CRUDE OIL OUTRIGHTS	CC5	1,562	0	-	1,586	-1.5%
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSN	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSW	1,682	1,560	7.8%	2,170	-22.5%
CRUDE OIL OUTRIGHTS	DBL	400	0	-	400	0.0%
CRUDE OIL OUTRIGHTS	FE	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	138	0	-	161	-14.3%
CRUDE OIL OUTRIGHTS	HTT	148,767	139,854	6.4%	157,331	-5.4%
CRUDE OIL OUTRIGHTS	LSW	1,125	525	114.3%	1,371	-17.9%
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	480	-100.0%	0	-
CRUDE OIL OUTRIGHTS	WCW	10,347	13,821	-25.1%	11,561	-10.5%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	866	0	-	3,072	-71.8%
CRUDE OIL SPRDS	38	0	1,025	-100.0%	0	-
CRUDE OIL SPRDS	HIL	720	0	-	720	0.0%
CRUDE OIL SPRDS	WTT	130,603	167,734	-22.1%	137,476	-5.0%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	2,640	2,880	-8.3%	2,112	25.0%
DAILY PJM	IDO	16,896	16,128	4.8%	15,056	12.2%
DAILY PJM	NOC	2,280	12,864	-82.3%	1,824	25.0%
DAILY PJM	PAP	250	600	-58.3%	270	-7.4%
DAILY PJM	PEO	2,560	4,032	-36.5%	2,400	6.7%
DAILY PJM	PNO	17,408	24,104	-27.8%	16,320	6.7%
DAILY PJM	PNP	975	1,301	-25.1%	1,053	-7.4%
DAILY PJM	PWO	16,384	23,688	-30.8%	15,360	6.7%
DAILY PJM	PWP	800	1,128	-29.1%	864	-7.4%
DAILY PJM	WOR	15,480	22,272	-30.5%	12,384	25.0%
DAILY PJM	ZAO	1,024	7,056	-85.5%	960	6.7%
DAILY PJM	ZGO	27,136	28,728	-5.5%	25,440	6.7%
DAILY PJM	ZJO	15,360	12,600	21.9%	14,400	6.7%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	945	4,125	-77.1%	995	-5.0%
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	1,224	-100.0%	0	-
DOMINION TRANSMISSION INC	PG	5,582	17,355	-67.8%	6,202	-10.0%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	1,965	3,205	-38.7%	2,090	-6.0%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	3,312	118	2,706.8%	3,819	-13.3%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	QX	0	105	-100.0%	0	-
EAST/WEST FUEL OIL SPREAD	EW	33	107	-69.2%	47	-29.8%
EIA FLAT TAX ONHWAY DIESE	A5	1,687	1,706	-1.1%	1,798	-6.2%
ELEC ERCOT DLY OFF PK	I4	0	0	-	0	-
ELEC ERCOT DLY PEAK	I3	0	300	-100.0%	0	-
ELEC ERCOT DLY PEAK	I7	0	300	-100.0%	0	-
ELEC ERCOT OFF PEAK	I2	0	0	-	0	-
ELEC FINSETTLED	47	726	1,236	-41.3%	770	-5.7%
ELEC FINSETTLED	49	0	0	-	0	-
ELEC MISO PEAK	4L	0	1,590	-100.0%	0	-
ELEC MISO PEAK	55	0	0	-	0	-
ELEC NYISO OFF-PEAK	4M	0	29,655	-100.0%	0	-
ELEC NYISO OFF-PEAK	58	0	0	-	0	-
ELECTRICITY ERCOT PEAK	ERE	0	0	-	0	-
ELECTRICITY OFF PEAK	46	13,298	22,658	-41.3%	14,082	-5.6%
ELECTRICITY OFF PEAK	4P	39,540	0	-	47,380	-16.5%
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	6,720	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	0	29,120	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	950	-100.0%	0	-
ETHANOL	MTH	0	0	-	0	-
ETHANOL	Z1B	0	0	-	0	-
ETHANOL SWAP	MT2	240	110	118.2%	220	9.1%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	5,270	4,507	16.9%	4,447	18.5%
EURO 1% FUEL OIL NEW BALM	KX	0	2	-100.0%	0	-
EURO 3.5% FUEL OIL RDAM B	KR	11	447	-97.5%	77	-85.7%
EURO 3.5% FUEL OIL SPREAD	FK	22	190	-88.4%	42	-47.6%
EURO-DENOMINATED PETRO PROD	NCP	0	640	-100.0%	0	-
EURO GASOIL 10PPM VS ICE	ET	0	231	-100.0%	0	-
EUROPE 1% FUEL OIL NWE CA	UF	310	167	85.6%	300	3.3%
EUROPE 1% FUEL OIL RDAM C	UH	3	3	0.0%	3	0.0%
EUROPE 3.5% FUEL OIL MED	UI	52	157	-66.9%	55	-5.5%
EUROPE 3.5% FUEL OIL RDAM	UV	4,975	12,101	-58.9%	5,186	-4.1%
EUROPEAN GASOIL (ICE)	7F	68	221	-69.2%	54	25.9%
EUROPEAN NAPHTHA BALMO	KZ	8	249	-96.8%	181	-95.6%
EUROPEAN NAPHTHA CRACK SPR	EN	9,498	15,628	-39.2%	11,038	-14.0%
EUROPE DATED BRENT SWAP	UB	525	0	-	525	0.0%
EUROPE JET KERO NWE CALSW	UJ	16	39	-59.0%	20	-20.0%
EUROPE NAPHTHA CALSWAP	UN	2,036	3,494	-41.7%	2,406	-15.4%
EURO PROPANE CIF ARA SWA	PS	2,547	1,668	52.7%	2,288	11.3%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	-	0	-
FREIGHT MARKETS	ACB	420	0	-	420	0.0%

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Energy Futures						
FREIGHT MARKETS	FLP	981	881	11.4%	895	9.6%
FREIGHT MARKETS	FRC	565	325	73.8%	620	-8.9%
FREIGHT MARKETS	FRS	20	0	-	70	-71.4%
FREIGHT MARKETS	T2D	1,460	1,086	34.4%	1,820	-19.8%
FREIGHT MARKETS	TC6	0	0	-	0	-
FREIGHT MARKETS	TD3	70	30	133.3%	70	0.0%
FREIGHT MARKETS	TD8	0	0	-	0	-
FREIGHT MARKETS	USC	160	0	-	60	166.7%
FUEL OIL CRACK VS ICE	FO	9,093	12,419	-26.8%	8,577	6.0%
FUEL OIL NWE CRACK VS ICE	FI	156	171	-8.8%	156	0.0%
FUEL OIL (PLATS) CAR CM	1W	5	70	-92.9%	6	-16.7%
FUEL OIL (PLATS) CAR CN	1X	0	95	-100.0%	0	-
FUELOIL SWAP:CARGOES VS.B	FS	675	803	-15.9%	776	-13.0%
GAS EURO-BOB OXY NWE BARGES	7H	4,720	6,663	-29.2%	5,317	-11.2%
GAS EURO-BOB OXY NWE BARGES CRK	7K	24,131	32,762	-26.3%	24,916	-3.2%
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	85	-92.9%	6	0.0%
GASOIL 0.1 ROTTERDAM BARG	VL	14	120	-88.3%	46	-69.6%
GASOIL 10P CRG CIF NW VS	3V	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	TP	17	238	-92.9%	24	-29.2%
GASOIL BULLET SWAP	BG	0	0	-	0	-
GASOIL CALENDAR SWAP	GX	65	22	195.5%	54	20.4%
GASOIL CRACK SPREAD CALEN	GZ	11,854	19,837	-40.2%	12,231	-3.1%
GASOIL MINI CALENDAR SWAP	QA	1,020	843	21.0%	823	23.9%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	1,410	56	2,417.9%	1,161	21.4%
GROUP THREE ULSD (PLATTS)	A7	20	124	-83.9%	27	-25.9%
GROUP THREE UNLEAD GAS (P	A9	300	325	-7.7%	0	-
GRP THREE ULSD(PLT)VS HEA	A6	9,519	8,796	8.2%	9,682	-1.7%
GRP THREE UNL GS (PLT) VS	A8	2,687	4,337	-38.0%	2,859	-6.0%
GULF COAST 3% FUEL OIL BA	VZ	623	1,271	-51.0%	791	-21.2%
GULF COAST JET FUEL CLNDR	GE	328	1,006	-67.4%	459	-28.5%
GULF COAST JET VS NYM 2 H	ME	30,980	33,113	-6.4%	29,216	6.0%
GULF COAST NO.6 FUEL OIL	MF	19,199	44,145	-56.5%	19,516	-1.6%
GULF COAST NO.6 FUEL OIL	MG	851	7,641	-88.9%	905	-6.0%
GULF COAST ULSD CALENDAR	LY	1,561	1,475	5.8%	1,602	-2.6%
GULF COAST ULSD CRACK SPR	GY	365	795	-54.1%	390	-6.4%
HEATING OIL BALMO CLNDR S	1G	0	0	-	40	-100.0%
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	2,867	1,038	176.2%	4,262	-32.7%
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	-
HENRY HUB FINANCIAL LAST	TTE	0	9	-100.0%	0	-
HENRY HUB INDEX SWAP FUTU	IN	4,262	798	434.1%	6,370	-33.1%
HENRY HUB SWAP	NN	876,358	1,108,063	-20.9%	909,863	-3.7%
HOUSTON SHIP CHANNEL BASI	NH	7,929	13,337	-40.5%	8,456	-6.2%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	-	0	-
ICE BRENT DUBAI SWAP	DB	42,275	44,188	-4.3%	42,525	-0.6%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-
IN DELIVERY MONTH EUA	6T	0	3,698	-100.0%	0	-
INDIANA MISO	FAD	0	17,920	-100.0%	0	-

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INDIANA MISO	FTD	3,000	6,720	-55.4%	2,400	25.0%
INDIANA MISO	FTM	0	0	-	0	-
INDIANA MISO	PDD	242	1,612	-85.0%	720	-66.4%
INDIANA MISO	PTD	455	546	-16.7%	455	0.0%
INDONESIAN COAL	MCC	0	0	-	0	-
INDONESIAN COAL ICI4	ICI	878	220	299.1%	764	14.9%
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	229	-64.6%	121	-33.1%
JAPAN C&F NAPHTHA SWAP	JA	1,347	2,570	-47.6%	1,477	-8.8%
JAPAN NAPHTHA BALMO SWAP	E6	39	97	-59.8%	10	290.0%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	10	-100.0%	0	-
JET CIF NWE VS ICE	JC	206	494	-58.3%	201	2.5%
JET FUEL BRG FOB RDM VS I	9Q	0	0	-	0	-
JET FUEL CRG CIF NEW VS I	6X	0	0	-	0	-
JET FUEL UP-DOWN BALMO CL	1M	2,575	4,625	-44.3%	4,165	-38.2%
JKM LNG Futures	JKM	6,677	3,208	108.1%	6,002	11.2%
LA CARB DIESEL (OPIS)	LX	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	KL	74	930	-92.0%	51	45.1%
LA CARBOB GASOLINE(OPIS)S	JL	375	225	66.7%	525	-28.6%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	-	0	-
LA JET (OPIS) SWAP	JS	1,704	2,133	-20.1%	1,385	23.0%
LLS (ARGUS) CALENDAR SWAP	XA	360	607	-40.7%	379	-5.0%
LLS (ARGUS) VS WTI SWAP	WJ	15,598	33,396	-53.3%	17,559	-11.2%
LOS ANGELES CARB GASOLINE	MH	0	0	-	10	-100.0%
MARS (ARGUS) VS WTI SWAP	YX	4,415	7,265	-39.2%	4,990	-11.5%
MARS (ARGUS) VS WTI TRD M	YV	20,597	15,353	34.2%	22,369	-7.9%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTF	23,378	36,588	-36.1%	20,839	12.2%
MCCLOSKEY RCH BAY COAL	MFF	3,228	4,951	-34.8%	3,031	6.5%
MGF FUT	MGF	0	40	-100.0%	0	-
MGN1 SWAP FUT	MGN	440	385	14.3%	390	12.8%
MICHIGAN BASIS	NF	1,525	3,136	-51.4%	1,556	-2.0%
MICHIGAN MISO	HMO	0	13,832	-100.0%	0	-
MICHIGAN MISO	HMW	0	742	-100.0%	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	532	265	100.8%	114	366.7%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	375	-100.0%	0	-
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	3,082	3,498	-11.9%	4,135	-25.5%
MJC FUT	MJC	125	325	-61.5%	210	-40.5%
MNC FUT	MNC	5,032	5,892	-14.6%	5,911	-14.9%
MONT BELVIEU ETHANE 5 DECIMAL	C0	40,488	45,025	-10.1%	39,704	2.0%
MONT BELVIEU ETHANE OPIS BALMO	8C	60	130	-53.8%	155	-61.3%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	147,723	124,077	19.1%	138,200	6.9%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	2,405	987	143.7%	1,568	53.4%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	15,301	18,538	-17.5%	16,455	-7.0%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	405	372	8.9%	815	-50.3%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	58,158	51,434	13.1%	55,277	5.2%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,353	940	43.9%	1,010	34.0%
NAT GAS BASIS SWAP	TZ6	854	3,531	-75.8%	1,071	-20.3%
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	131,815	163,685	-19.5%	134,703	-2.1%



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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	355,001	446,597	-20.5%	340,681	4.2%
NEPOOL INTR HUB 5MW D AH	U6	18,223	27,748	-34.3%	18,903	-3.6%
NEPOOL NE MASS 5MW D AH O	P8	5,931	14,040	-57.8%	7,107	-16.5%
NEPOOL NE MASS 5MW D AH P	P7	318	765	-58.4%	384	-17.2%
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	1,054	1,770	-40.5%	1,056	-0.2%
NEW YORK ETHANOL SWAP	EZ	1,172	1,835	-36.1%	1,592	-26.4%
NEW YORK HUB ZONE G PEAK	GN	1,058	2,325	-54.5%	1,254	-15.6%
NEW YORK HUB ZONE J PEAK	JN	1,250	1,010	23.8%	1,705	-26.7%
NGPL MID-CONTINENT	NL	7,396	16,000	-53.8%	8,264	-10.5%
NGPL TEX/OK	PD	9,492	17,967	-47.2%	11,597	-18.2%
N ILLINOIS HUB DAILY	UD	98	178	-44.9%	98	0.0%
N ILLINOIS HUB MTHLY	UM	0	0	-	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	0	450	-100.0%	0	-
NORTHEN NATURAL GAS DEMAR	PE	122	704	-82.7%	184	-33.7%
NORTHEN NATURAL GAS VENTU	PF	366	1,408	-74.0%	552	-33.7%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	NR	5,977	23,833	-74.9%	7,341	-18.6%
N ROCKIES PIPE SWAP	XR	0	59	-100.0%	0	-
NY1% VS GC SPREAD SWAP	VR	2,322	3,636	-36.1%	2,108	10.2%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	-	0	-
NY 3.0% FUEL OIL (PLATTS	H1	0	600	-100.0%	0	-
NY HARBOR 1% FUEL OIL BAL	VK	0	50	-100.0%	25	-100.0%
NY HARBOR HEAT OIL SWP	MP	8,716	11,380	-23.4%	8,289	5.2%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	840	410	104.9%	840	0.0%
NY HARBOR RESIDUAL FUEL 1	MM	1,303	2,107	-38.2%	1,124	15.9%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	2,270	4,431	-48.8%	2,310	-1.7%
NYISO A	KA	0	0	-	0	-
NYISO A OFF-PEAK	KB	0	0	-	0	-
NYISO CAPACITY	LHV	568	302	88.1%	615	-7.6%
NYISO CAPACITY	NNC	62	644	-90.4%	90	-31.1%
NYISO CAPACITY	NRS	122	884	-86.2%	157	-22.3%
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	11,714	25,950	-54.9%	12,514	-6.4%
NYISO ZONE A 5MW D AH PK	K3	768	4,212	-81.8%	1,008	-23.8%
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	443,754	630,430	-29.6%	409,914	8.3%
NYISO ZONE G 5MW D AH PK	T3	22,230	26,892	-17.3%	22,870	-2.8%
NYISO ZONE J 5MW D AH O P	D4	49,566	184,041	-73.1%	61,566	-19.5%
NYISO ZONE J 5MW D AH PK	D3	4,296	13,331	-67.8%	4,996	-14.0%
NYMEX ALUMINUM FUTURES	AN	372	540	-31.1%	396	-6.1%
NYMEX ULSD VS NYMEX HO	UY	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	465	279	66.7%	634	-26.7%



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Energy Futures						
ONEOK OKLAHOMA NG BASIS	8X	0	1,708	-100.0%	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	2,287	7,665	-70.2%	2,659	-14.0%
PANHANDLE PIPE SWAP	XH	0	788	-100.0%	0	-
PERMIAN BASIS SWAP	PM	3,660	6,154	-40.5%	3,784	-3.3%
PETROCHEMICALS	22	141	173	-18.5%	154	-8.4%
PETROCHEMICALS	32	67	165	-59.4%	115	-41.7%
PETROCHEMICALS	3NA	22	0	-	23	-4.3%
PETROCHEMICALS	51	42	3	1,300.0%	42	0.0%
PETROCHEMICALS	8I	5,254	5,626	-6.6%	4,779	9.9%
PETROCHEMICALS	91	753	707	6.5%	848	-11.2%
PETROCHEMICALS	HPE	0	0	-	0	-
PETROCHEMICALS	MAA	15	0	-	30	-50.0%
PETROCHEMICALS	MAC	0	0	-	0	-
PETROCHEMICALS	MAE	1,291	348	271.0%	1,039	24.3%
PETROCHEMICALS	MAS	612	429	42.7%	516	18.6%
PETROCHEMICALS	MBE	535	685	-21.9%	415	28.9%
PETROCHEMICALS	MNB	1,819	4,377	-58.4%	2,008	-9.4%
PETROCHEMICALS	MPS	630	330	90.9%	849	-25.8%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STI	50	0	-	50	0.0%
PETRO CRCKS & SPRDS ASIA	STR	615	0	-	690	-10.9%
PETRO CRCKS & SPRDS ASIA	STS	254	761	-66.6%	232	9.5%
PETRO CRCKS & SPRDS NA	CRB	10,303	4,360	136.3%	7,925	30.0%
PETRO CRCKS & SPRDS NA	EXR	3,754	3,429	9.5%	3,931	-4.5%
PETRO CRCKS & SPRDS NA	FOC	1,850	500	270.0%	1,950	-5.1%
PETRO CRCKS & SPRDS NA	GBB	225	1,500	-85.0%	1,150	-80.4%
PETRO CRCKS & SPRDS NA	GCC	0	365	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GCI	2,662	3,762	-29.2%	2,339	13.8%
PETRO CRCKS & SPRDS NA	GCM	0	21	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GCU	11,084	28,483	-61.1%	12,323	-10.1%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	11,991	5,532	116.8%	8,078	48.4%
PETRO CRCKS & SPRDS NA	KSD	0	0	-	0	-
PETRO CRCKS & SPRDS NA	MFR	0	0	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	16,037	12,837	24.9%	16,737	-4.2%
PETRO CRCKS & SPRDS NA	RVG	14,005	18,598	-24.7%	16,934	-17.3%
PETRO CRCKS & SPRDS NA	SF3	211	45	368.9%	166	27.1%
PETRO CRK&SPRD EURO	1NB	1,723	4,353	-60.4%	2,088	-17.5%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-
PETRO CRK&SPRD EURO	43	0	211	-100.0%	3	-100.0%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-
PETRO CRK&SPRD EURO	BOB	2,876	4,548	-36.8%	2,588	11.1%
PETRO CRK&SPRD EURO	EGB	0	0	-	0	-
PETRO CRK&SPRD EURO	EGN	0	0	-	0	-
PETRO CRK&SPRD EURO	EOB	28	54	-48.1%	28	0.0%
PETRO CRK&SPRD EURO	EPN	1,571	1,492	5.3%	1,490	5.4%

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Energy Futures						
PETRO CRK&SPRD EURO	EVC	2,675	5,577	-52.0%	2,617	2.2%
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	100	0	-	135	-25.9%
PETRO CRK&SPRD EURO	GOC	17	24	-29.2%	18	-5.6%
PETRO CRK&SPRD EURO	MGB	30	0	-	30	0.0%
PETRO CRK&SPRD EURO	MUD	100	139	-28.1%	80	25.0%
PETRO CRK&SPRD EURO	NBB	0	20	-100.0%	0	-
PETRO CRK&SPRD EURO	NOB	1,477	2,265	-34.8%	1,569	-5.9%
PETRO CRK&SPRD EURO	SFB	0	0	-	0	-
PETROLEUM PRODUCTS	1NM	155	0	-	240	-35.4%
PETROLEUM PRODUCTS	EWB	0	0	-	0	-
PETROLEUM PRODUCTS	EWG	2,875	5,573	-48.4%	3,250	-11.5%
PETROLEUM PRODUCTS	JCC	0	0	-	20	-100.0%
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	R5F	0	0	-	0	0.0%
PETROLEUM PRODUCTS	S53	27	0	-	0	-
PETROLEUM PRODUCTS	VU	142	0	-	50	184.0%
PETROLEUM PRODUCTS ASIA	E6M	60	70	-14.3%	0	-
PETROLEUM PRODUCTS ASIA	MJN	2,239	1,975	13.4%	2,614	-14.3%
PETROLEUM PRODUCTS ASIA	MSB	20	0	-	0	-
PETRO OUTRIGHT EURO	OB	161	20	705.0%	88	83.0%
PETRO OUTRIGHT EURO	OC	30	3	900.0%	0	-
PETRO OUTRIGHT EURO	OD	2,517	4,239	-40.6%	2,870	-12.3%
PETRO OUTRIGHT EURO	OE	0	3	-100.0%	20	-100.0%
PETRO OUTRIGHT EURO	OF	695	779	-10.8%	564	23.2%
PETRO OUTRIGHT EURO	1T	16	39	-59.0%	20	-20.0%
PETRO OUTRIGHT EURO	33	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	0	10	-100.0%	0	-
PETRO OUTRIGHT EURO	63	0	5	-100.0%	0	-
PETRO OUTRIGHT EURO	6L	0	0	-	0	-
PETRO OUTRIGHT EURO	7I	0	0	-	50	-100.0%
PETRO OUTRIGHT EURO	7R	72	383	-81.2%	39	84.6%
PETRO OUTRIGHT EURO	88	0	0	-	25	-100.0%
PETRO OUTRIGHT EURO	CBB	15	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTRIGHT EURO	CPB	70	0	-	112	-37.5%
PETRO OUTRIGHT EURO	EFF	56	15	273.3%	0	-
PETRO OUTRIGHT EURO	EFM	5	0	-	9	-44.4%
PETRO OUTRIGHT EURO	ENS	51	100	-49.0%	51	0.0%
PETRO OUTRIGHT EURO	ESB	0	0	-	0	-
PETRO OUTRIGHT EURO	EWN	529	1,206	-56.1%	634	-16.6%
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	120	0	-	120	0.0%
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTRIGHT EURO	MBN	2,574	4,078	-36.9%	2,457	4.8%
PETRO OUTRIGHT EURO	MEF	668	15	4,353.3%	833	-19.8%
PETRO OUTRIGHT EURO	R53	54	0	-	54	0.0%

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Energy Futures						
PETRO OUTRIGHT EURO	R5M	617	0	-	384	60.7%
PETRO OUTRIGHT EURO	R5O	232	0	-	136	70.6%
PETRO OUTRIGHT EURO	S5F	23	0	-	0	-
PETRO OUTRIGHT EURO	S5M	469	0	-	137	242.3%
PETRO OUTRIGHT EURO	S5O	6	0	-	0	-
PETRO OUTRIGHT EURO	SMU	500	215	132.6%	500	0.0%
PETRO OUTRIGHT EURO	T0	9	63	-85.7%	9	0.0%
PETRO OUTRIGHT EURO	T2B	0	0	-	0	-
PETRO OUTRIGHT EURO	TMB	50	0	-	0	-
PETRO OUTRIGHT EURO	ULB	0	0	-	0	-
PETRO OUTRIGHT EURO	V0	0	400	-100.0%	0	-
PETRO OUTRIGHT EURO	X0	0	0	-	0	-
PETRO OUTRIGHT NA	FCB	0	32	-100.0%	230	-100.0%
PETRO OUTRIGHT NA	FOM	0	0	-	0	-
PETRO OUTRIGHT NA	JE	60	153	-60.8%	60	0.0%
PETRO OUTRIGHT NA	JET	2,412	3,725	-35.2%	3,330	-27.6%
PETRO OUTRIGHT NA	JTB	475	150	216.7%	775	-38.7%
PETRO OUTRIGHT NA	MBL	0	32	-100.0%	0	-
PETRO OUTRIGHT NA	MEN	10	625	-98.4%	48	-79.2%
PETRO OUTRIGHT NA	MEO	4,146	3,574	16.0%	4,472	-7.3%
PETRO OUTRIGHT NA	MFD	90	0	-	295	-69.5%
PETRO OUTRIGHT NA	MMF	54	57	-5.3%	140	-61.4%
PETRO OUTRIGHT NA	NYT	0	0	-	0	-
PETRO OUTRIGHT NA	XER	0	0	0.0%	0	-
PJM AD HUB 5MW REAL TIME	V3	175,370	247,882	-29.3%	183,994	-4.7%
PJM AD HUB 5MW REAL TIME	Z9	14,945	20,901	-28.5%	15,363	-2.7%
PJM AECO DA OFF-PEAK	X1	0	0	-	0	-
PJM AECO DA PEAK	Y1	0	0	-	0	-
PJM APS ZONE DA OFF-PEAK	W4	0	0	-	0	-
PJM APS ZONE DA PEAK	S4	0	0	-	0	-
PJM ATSI ELEC	MOD	0	0	-	0	-
PJM ATSI ELEC	MPD	0	0	-	0	-
PJM BGE DA OFF-PEAK	R3	0	3,954	-100.0%	0	-
PJM BGE DA PEAK	E3	0	212	-100.0%	0	-
PJM COMED 5MW D AH O PK	D9	0	9,885	-100.0%	0	-
PJM COMED 5MW D AH PK	D8	0	530	-100.0%	0	-
PJM DAILY	JD	918	710	29.3%	918	0.0%
PJM DAYTON DA OFF-PEAK	R7	52,645	79,600	-33.9%	54,645	-3.7%
PJM DAYTON DA PEAK	D7	3,210	6,720	-52.2%	3,410	-5.9%
PJM JCPL DA OFF-PEAK	F2	0	0	-	0	-
PJM JCPL DA PEAK	J2	0	0	-	0	-
PJM NI HUB 5MW REAL TIME	B3	7,001	17,317	-59.6%	5,519	26.9%
PJM NI HUB 5MW REAL TIME	B6	100,115	303,454	-67.0%	60,923	64.3%
PJM NILL DA OFF-PEAK	L3	40,290	214,006	-81.2%	53,890	-25.2%
PJM NILL DA PEAK	N3	2,496	13,465	-81.5%	3,276	-23.8%
PJM OFF-PEAK LMP SWAP FUT	JP	0	202	-100.0%	0	-
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	2,120	0	-	2,560	-17.2%
PJM PPL DA OFF-PEAK	F5	0	0	-	0	-
PJM PPL DA PEAK	L5	0	0	-	0	-
PJM PSEG DA OFF-PEAK	W6	49,425	42,840	15.4%	59,225	-16.5%
PJM PSEG DA PEAK	L6	2,650	1,275	107.8%	3,200	-17.2%
PJM WESTH DA OFF-PEAK	E4	86,284	253,819	-66.0%	99,084	-12.9%
PJM WESTHDA PEAK	J4	4,682	13,802	-66.1%	5,322	-12.0%



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Energy Futures						
PJM WESTH RT OFF-PEAK	N9	552,799	1,257,998	-56.1%	603,367	-8.4%
PJM WESTH RT PEAK	L1	77,138	79,268	-2.7%	87,236	-11.6%
PLASTICS	PGP	3,147	814	286.6%	3,411	-7.7%
PREMIUM UNLND 10P FOB MED	3G	168	422	-60.2%	238	-29.4%
PREMIUM UNLEAD 10PPM FOB	8G	32	31	3.2%	10	220.0%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	128	-100.0%	0	-
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	985	707	39.3%	1,078	-8.6%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	56,166	55,322	1.5%	62,405	-10.0%
RBOB CALENDAR SWAP	RL	13,643	17,158	-20.5%	14,972	-8.9%
RBOB CRACK SPREAD	RM	3,200	5,806	-44.9%	4,173	-23.3%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	765	833	-8.2%	821	-6.8%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-
RBOB VS HEATING OIL SWAP	RH	50	675	-92.6%	75	-33.3%
SAN JUAN BASIS SWAP	NJ	2,197	11,882	-81.5%	2,910	-24.5%
SAN JUAN PIPE SWAP	XX	0	360	-100.0%	0	-
SINGAPORE 180CST BALMO	BS	20	48	-58.3%	15	33.3%
SINGAPORE 380CST BALMO	BT	293	277	5.8%	343	-14.6%
SINGAPORE 380CST FUEL OIL	SE	4,860	12,267	-60.4%	4,864	-0.1%
SINGAPORE FUEL 180CST CAL	UA	431	1,046	-58.8%	416	3.6%
SINGAPORE FUEL OIL SPREAD	SD	158	1,017	-84.5%	205	-22.9%
SINGAPORE GASOIL	MAF	4,542	8	56,675.0%	3,669	23.8%
SINGAPORE GASOIL	MTB	62	51	21.6%	25	148.0%
SINGAPORE GASOIL	MTS	6,517	6,759	-3.6%	6,075	7.3%
SINGAPORE GASOIL	STZ	0	1,850	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	270	-100.0%
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	395	50	690.0%	406	-2.7%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-
SINGAPORE GASOIL SWAP	SG	810	9,985	-91.9%	1,102	-26.5%
SINGAPORE GASOIL VS ICE	GA	9,295	43,416	-78.6%	10,405	-10.7%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	2,800	11,460	-75.6%	3,525	-20.6%
SINGAPORE JET KEROSENE SW	KS	1,165	3,350	-65.2%	1,510	-22.8%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	375	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	1,793	-100.0%	50	-100.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	8,950	13,903	-35.6%	12,371	-27.7%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-
SING FUEL	MSD	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	40	-100.0%	0	-
Sumas Basis Swap	NK	1,065	3,581	-70.3%	1,189	-10.4%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	TM	587	160	266.9%	630	-6.8%
TC5 RAS TANURA TO YOKOHAM	TH	1,034	0	-	1,184	-12.7%
TCO BASIS SWAP	TC	2,196	5,723	-61.6%	2,568	-14.5%
TCO NG INDEX SWAP	Q1	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	TL	13,233	4,700	181.6%	13,213	0.2%

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Energy Futures						
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	244	-100.0%	0	-
TEXAS EASTERN ZONE M-3 BA	NX	1,158	3,523	-67.1%	1,220	-5.1%
TEXAS GAS ZONE1 NG BASIS	9F	0	1,920	-100.0%	0	-
Transco Zone 3 Basis	CZ	0	1,098	-100.0%	0	-
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	TR	2,072	4,636	-55.3%	2,207	-6.1%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	-	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	0	851	-100.0%	0	-
TRANSCO ZONE 6 INDEX	IT	0	0	-	0	-
UCM FUT	UCM	0	10	-100.0%	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	90	157	-42.7%	60	50.0%
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	2,555	4,762	-46.3%	4,770	-46.4%
UP DOWN GC ULSD VS NMX HO	LT	59,685	39,391	51.5%	46,978	27.0%
WAHA BASIS	NW	1,007	3,629	-72.3%	1,205	-16.4%
WAHA INDEX SWAP FUTURE	IY	0	0	-	0	-
WESTERN RAIL DELIVERY PRB	QP	0	60	-100.0%	0	-
WTI-BRENT BULLET SWAP	BY	1,559	6,704	-76.7%	2,119	-26.4%
WTI-BRENT CALENDAR SWAP	BK	160,572	120,942	32.8%	171,327	-6.3%
WTI CALENDAR	CS	174,244	174,289	0.0%	181,363	-3.9%
WTS (ARGUS) VS WTI SWAP	FF	65,038	62,768	3.6%	65,472	-0.7%
WTS (ARGUS) VS WTI TRD MT	FH	5,341	5,883	-9.2%	4,845	10.2%
Energy Options						
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	-	0	-
BRENT 1 MONTH CAL	AA	0	0	-	0	-
BRENT CALENDAR SWAP	BA	8,960	7,070	26.7%	8,401	6.7%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	9C	13,260	88,504	-85.0%	18,390	-27.9%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-
BRENT OIL LAST DAY	BE	52,105	103,059	-49.4%	52,725	-1.2%
BRENT OIL LAST DAY	BZO	182,652	202,657	-9.9%	168,780	8.2%
BRENT OIL LAST DAY	OS	50	1,222	-95.9%	50	0.0%
COAL API2 INDEX	CLA	330	3,315	-90.0%	330	0.0%
COAL API2 INDEX	CQA	100	900	-88.9%	150	-33.3%
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	10	-100.0%	0	-
COAL SWAP	RPF	0	125	-100.0%	0	-
CRUDE OIL	6Y	150	0	-	150	0.0%
CRUDE OIL 1MO	WA	629,300	363,780	73.0%	647,481	-2.8%
CRUDE OIL APO	AO	358,187	398,287	-10.1%	367,013	-2.4%
CRUDE OIL CALNDR STRIP	6F	200	170	17.6%	200	0.0%
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-
CRUDE OIL OUTRIGHTS	DBP	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCI	0	2,010	-100.0%	0	-



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Energy Options						
CRUDE OIL PHY	CD	0	0.0%	0	-	
CRUDE OIL PHY	LC	43,337	36,214	19.7%	45,299	-4.3%
CRUDE OIL PHY	LO	2,128,667	2,837,613	-25.0%	2,365,235	-10.0%
CRUDE OIL PHY	LO1	2,857	2,475	15.4%	5,205	-45.1%
CRUDE OIL PHY	LO2	506	194	160.8%	2,087	-75.8%
CRUDE OIL PHY	LO3	46	287	-84.0%	101	-54.5%
CRUDE OIL PHY	LO4	0	0	-	96	-100.0%
CRUDE OIL PHY	LO5	0	0	0.0%	0	-
ELEC MISO PEAK	9T	0	0	-	0	-
ETHANOL	CE1	0	0	-	0	-
ETHANOL	CE3	0	0	0.0%	0	-
ETHANOL SWAP	CVR	21,003	9,208	128.1%	16,260	29.2%
ETHANOL SWAP	GVR	1,070	2,660	-59.8%	1,560	-31.4%
EUROPEAN JET KEROSENE NWE (PLATTS) AVG PRC	30	0	0	-	0	-
GASOLINE	GCE	0	0	-	0	-
HEATING OIL CRACK OPTIONS	CH	0	0	-	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	-	0	-
HEATING OIL PHY	LB	209	350	-40.3%	229	-8.7%
HEATING OIL PHY	OH	41,859	30,662	36.5%	53,265	-21.4%
HENRY HUB FINANCIAL LAST	E7	10,890	5,311	105.0%	9,798	11.1%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	-	500	-100.0%
LLS CRUDE OIL	WJO	0	1,200	-100.0%	0	-
LLS CRUDE OIL	YVO	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTO	0	225	-100.0%	0	-
MCCLOSKEY RCH BAY COAL	MFO	500	430	16.3%	450	11.1%
NATURAL GAS	G10	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	G4	111,850	36,966	202.6%	68,850	62.5%
NATURAL GAS 2 M CSO FIN	G2	1,075	0	-	825	30.3%
NATURAL GAS 3 M CSO FIN	G3	56,400	43,220	30.5%	36,550	54.3%
NATURAL GAS 5 M CSO FIN	G5	1,600	0	-	1,100	45.5%
NATURAL GAS 6 M CSO FIN	G6	13,750	6,700	105.2%	12,250	12.2%
NATURAL GAS OPTION ON CALENDAR STRP	6J	17,064	13,086	30.4%	16,164	5.6%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	1,685,670	1,781,316	-5.4%	1,687,686	-0.1%
NATURAL GAS PHY	ON	73,768	126,953	-41.9%	81,795	-9.8%
NATURAL GAS WINTER STRIP	6I	1,500	1,200	25.0%	1,300	15.4%
N ROCKIES PIPE SWAP	ZR	3,930	2,750	42.9%	3,384	16.1%
NY HARBOR HEAT OIL SWP	AT	13,246	14,930	-11.3%	13,445	-1.5%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-
NYMEX EUROPEAN GASOIL APO	F7	0	0	-	0	-
PANHANDLE PIPE SWAP	PU	0	1,920	-100.0%	0	-
PETROCHEMICALS	4H	4,215	3,911	7.8%	4,744	-11.2%
PETROCHEMICALS	4J	375	1,325	-71.7%	650	-42.3%
PETROCHEMICALS	4K	80	1,650	-95.2%	80	0.0%
PETROCHEMICALS	CPR	20	0	-	20	0.0%
PETRO OUTRIGHT EURO	8H	0	0	-	0	-
PETRO OUTRIGHT EURO	BCO	24	0	-	24	0.0%
PETRO OUTRIGHT NA	DAP	650	30	2,066.7%	756	-14.0%
PJM WES HUB PEAK CAL MTH	6OA	1,260	1,790	-29.6%	1,260	0.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-
PJM WES HUB PEAK LMP 50MW	PMA	555	6,512	-91.5%	555	0.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-
RBOB CALENDAR SWAP	RA	140	525	-73.3%	172	-18.6%

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Metals Futures					
COMEX COPPER	258,903	233,727	10.8%	273,394	-5.3%
COMEX MINY COPPER	64	30	113.3%	102	-37.3%
ALUMINUM	78	0	-	98	-20.4%
ALUMINUM	9,619	11,530	-16.6%	10,117	-4.9%
ALUMINUM	395	2,865	-86.2%	480	-17.7%
ALUMINUM	276	0	-	93	196.8%
ALUMINUM	24,286	29,562	-17.8%	23,527	3.2%
ALUMINUM	0	40	-100.0%	0	-
ALUMINUM	10,536	9,558	10.2%	10,248	2.8%
ALUMINUM	7,302	8,485	-13.9%	6,812	7.2%
COPPER	9,872	11,585	-14.8%	10,876	-9.2%
E-MICRO GOLD	19,175	14,131	35.7%	18,126	5.8%
FERROUS PRODUCTS	2,305	2,731	-15.6%	2,845	-19.0%
GOLD	0	0	-	0	-
Gold Kilo	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FUTURES	0	400	-100.0%	0	-
IRON ORE 62 CHINA TSI FUTURES	5,711	10,118	-43.6%	6,652	-14.1%
LNDN ZINC	0	13	-100.0%	3	-100.0%
SILVER	2,478	1,478	67.7%	2,012	23.2%
Metals Options					
COMEX COPPER	29,367	16,891	73.9%	38,839	-24.4%
COMEX GOLD	1,704,924	1,287,185	32.5%	1,560,943	9.2%
COMEX SILVER	226,586	221,366	2.4%	211,302	7.2%
COPPER	146	0	-	14	942.9%
COPPER	161	0	-	62	159.7%
COPPER	0	0	-	0	-
COPPER	0	0	-	0	-
COPPER	0	0	0.0%	0	-
GOLD	17,209	2,935	486.3%	19,785	-13.0%
GOLD	5,620	546	929.3%	11,445	-50.9%
GOLD	2,324	157	1,380.3%	5,159	-55.0%
GOLD	0	0	-	426	-100.0%
GOLD	0	0	0.0%	0	-
HOT ROLLED COIL STEEL CALL OPTION	700	400	75.0%	900	-22.2%
IRON ORE 62 CHINA TSI CALL OPTION	1,260	1,204	4.7%	1,200	5.0%
IRON ORE 62 CHINA TSI PUT OPTION	625	350	78.6%	630	-0.8%
NYMEX PLATINUM	9,105	8,968	1.5%	8,041	13.2%
PALLADIUM	1,719	2,379	-27.7%	1,899	-9.5%
SILVER	746	274	172.3%	871	-14.4%
SILVER	423	214	97.7%	1,293	-67.3%
SILVER	245	20	1,125.0%	239	2.5%
SILVER	0	0	-	0	-
SILVER	0	0	0.0%	0	-



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TOTAL FUTURES GROUP					
Ag Products Futures	3	2	50.0%	2	50.0%
Energy Futures	9,981,006	13,442,351	-25.7%	10,185,298	-2.0%
Metals Futures	1,305,811	1,146,039	13.9%	1,292,115	1.1%
TOTAL FUTURES	11,286,820	14,588,392	-22.6%	11,477,415	-1.7%
TOTAL OPTIONS GROUP					
Energy Options	5,806,788	6,476,863	-10.3%	5,978,776	-2.9%
Metals Options	2,001,160	1,542,889	29.7%	1,863,048	7.4%
TOTAL OPTIONS	7,807,948	8,019,752	-2.6%	7,841,824	-0.4%
TOTAL COMBINED					
Ag Products	3	2	50.0%	2	50.0%
Energy	15,787,794	19,919,214	-20.7%	16,164,074	-2.3%
Metals	3,306,971	2,688,928	23.0%	3,155,163	4.8%
GRAND TOTAL	19,094,768	22,608,144	-15.5%	19,319,239	-1.2%