



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest SEP 2018	Open Interest SEP 2017	% CHG	Open Interest AUG 2018	% CHG	
Ag Products Futures						
COCOA TAS	CJ	0	0	0.0%	0	-
COFFEE	KT	0	0	-	0	-
COTTON	TT	1	3	-66.7%	2	-50.0%
SUGAR 11	YO	0	2	-100.0%	0	-
Energy Futures						
CRUDE OIL PHY	CL	2,255,749	2,466,177	-8.5%	2,299,818	-1.9%
CRUDE OIL	WS	572	3,226	-82.3%	572	0.0%
MINY WTI CRUDE OIL	QM	4,093	4,212	-2.8%	3,805	7.6%
BRENT OIL LAST DAY	BZ	200,540	149,502	34.1%	185,571	8.1%
HEATING OIL PHY	HO	416,824	454,699	-8.3%	409,633	1.8%
HTG OIL	BH	182	354	-48.6%	201	-9.5%
MINY HTG OIL	QH	0	0	-	1	-100.0%
RBOB PHY	RB	419,158	393,454	6.5%	444,730	-5.8%
MINY RBOB GAS	QU	0	0	-	0	0.0%
NATURAL GAS	HP	80,269	110,400	-27.3%	76,118	5.5%
LTD NAT GAS	HH	463,929	393,372	17.9%	452,786	2.5%
MINY NATURAL GAS	QG	2,024	1,118	81.0%	1,301	55.6%
PJM MONTHLY	JM	880	2,122	-58.5%	990	-11.1%
NATURAL GAS PHY	NG	1,623,201	1,334,262	21.7%	1,617,963	0.3%
RBOB GAS	RT	98	2,488	-96.1%	105	-6.7%
3.5% FUEL OIL CID MED SWA	7D	158	313	-49.5%	148	6.8%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-
AEP-DAYTON HUB DAILY	VD	68	180	-62.2%	82	-17.1%
AEP-DAYTON HUB MTHLY	VM	0	280	-100.0%	0	-
AEP-DAYTON HUB OFF-PEAK M	VP	0	200	-100.0%	0	-
ALGON CITY GATES NAT GAS	N7	0	488	-100.0%	0	-
ALGONQUIN CITYGATES BASIS	B4	0	702	-100.0%	0	-
ANR LOUISIANA BASIS SWAP	ND	0	0	-	0	-
ANR OKLAHOMA	NE	518	1,981	-73.9%	668	-22.5%
APPALACHIAN COAL (PHY)	QL	0	0	-	0	-
ARGUS LLS VS. WTI (ARG) T	E5	37,984	26,810	41.7%	40,046	-5.1%
ARGUS PROPAN FAR EST INDE	7E	5,688	2,839	100.4%	5,420	4.9%
ARGUS PROPAN(SAUDI ARAMCO	9N	3,008	1,010	197.8%	2,164	39.0%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-
AUSTRIALIAN COKE COAL	ALW	144	522	-72.4%	168	-14.3%
BRENT BALMO SWAP	J9	100	100	0.0%	0	-
BRENT CALENDAR SWAP	CY	18,565	18,451	0.6%	19,293	-3.8%
BRENT CFD SWAP	6W	0	0	-	0	-
BRENT FINANCIAL FUTURES	BB	5,322	6,327	-15.9%	4,322	23.1%
BRENT FINANCIAL FUTURES	MBC	0	0	-	127	-100.0%
BRENT FINANCIAL FUTURES	MDB	0	39	-100.0%	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	550	-100.0%	0	-
CANADIAN LIGHT SWEET OIL	CIL	14	1,314	-98.9%	21	-33.3%
CENTERPOINT BASIS SWAP	PW	4,005	11,797	-66.1%	4,689	-14.6%
CENTERPOINT EAST INDEX	II	0	0	-	0	-
CEU ENERGY	DEB	61	0	-	56	8.9%
CEU ENERGY	TTF	141	0	-	118	19.5%



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Energy Futures						
CEU ENERGY	UKG	178	0	-	157	13.4%
CHICAGO ETHANOL SWAP	CU	55,220	50,827	8.6%	63,663	-13.3%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	-	0	-
CHICAGO ULSD PL VS HO SPR	5C	1,675	1,132	48.0%	1,528	9.6%
CHICAGO UNL GAS PL VS RBO	3C	225	12	1,775.0%	675	-66.7%
CIG BASIS	CI	10,588	28,887	-63.3%	11,996	-11.7%
CIG ROCKIES NG INDEX SWA	Z8	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	EJ	40	120	-66.7%	50	-20.0%
CINERGY HUB PEAK MONTH	EM	96	288	-66.7%	120	-20.0%
CIN HUB 5MW D AH O PK	K2	28,280	230,056	-87.7%	41,440	-31.8%
CIN HUB 5MW D AH PK	H5	4,348	11,121	-60.9%	5,720	-24.0%
CIN HUB 5MW REAL TIME O P	H4	232,584	547,240	-57.5%	261,704	-11.1%
CIN HUB 5MW REAL TIME PK	H3	23,686	42,145	-43.8%	23,988	-1.3%
COAL SWAP	ACM	40	210	-81.0%	40	0.0%
COAL SWAP	SSI	0	0	-	0	-
COLUMB GULF MAINLINE NG B	5Z	1,005	8,022	-87.5%	1,330	-24.4%
COLUMBIA GULF MAIN NAT G	L2	0	0	-	0	-
COLUMBIA GULF ONSHORE	GL	0	4,324	-100.0%	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	840	1,320	-36.4%	985	-14.7%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,714	3,780	-54.7%	1,694	1.2%
CONWAY PROPANE 5 DECIMALS SWAP	8K	25,538	18,892	35.2%	26,527	-3.7%
CRUDE OIL	CHB	0	0	-	0	-
CRUDE OIL	LPS	23,380	18,090	29.2%	22,650	3.2%
CRUDE OIL OUTRIGHTS	37	0	0	-	0	-
CRUDE OIL OUTRIGHTS	42	367	1,578	-76.7%	98	274.5%
CRUDE OIL OUTRIGHTS	CC5	90	120	-25.0%	0	-
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSN	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSW	2,280	720	216.7%	1,560	46.2%
CRUDE OIL OUTRIGHTS	DBL	0	100	-100.0%	0	-
CRUDE OIL OUTRIGHTS	FE	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-
CRUDE OIL OUTRIGHTS	HTT	134,810	43,092	212.8%	139,854	-3.6%
CRUDE OIL OUTRIGHTS	LSW	350	915	-61.7%	525	-33.3%
CRUDE OIL OUTRIGHTS	SSW	0	75	-100.0%	0	-
CRUDE OIL OUTRIGHTS	UMD	0	0	-	0	-
CRUDE OIL OUTRIGHTS	UNS	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCC	320	3,490	-90.8%	480	-33.3%
CRUDE OIL OUTRIGHTS	WCW	12,510	15,480	-19.2%	13,821	-9.5%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL SPRDS	38	820	0	-	1,025	-20.0%
CRUDE OIL SPRDS	WTT	161,046	35,343	355.7%	167,734	-4.0%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	4,320	13,320	-67.6%	2,880	50.0%
DAILY PJM	IDO	16,384	18,144	-9.7%	16,128	1.6%
DAILY PJM	NOC	19,296	29,040	-33.6%	12,864	50.0%
DAILY PJM	PAP	700	1,215	-42.4%	600	16.7%
DAILY PJM	PEO	4,096	12,600	-67.5%	4,032	1.6%
DAILY PJM	PNO	24,200	147,784	-83.6%	24,104	0.4%
DAILY PJM	PNP	1,535	5,962	-74.3%	1,301	18.0%
DAILY PJM	PWO	24,064	88,200	-72.7%	23,688	1.6%
DAILY PJM	PWP	1,316	5,022	-73.8%	1,128	16.7%
DAILY PJM	WOR	24,480	26,880	-8.9%	22,272	9.9%

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Energy Futures						
DAILY PJM	ZAO	7,168	15,120	-52.6%	7,056	1.6%
DAILY PJM	ZGO	29,184	10,584	175.7%	28,728	1.6%
DAILY PJM	ZJO	12,800	2,520	407.9%	12,600	1.6%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	3,840	12,065	-68.2%	4,125	-6.9%
DEMARC INDEX FUTURE	DI	0	0	-	0	-
DEMARC SWING SWAP	DT	0	0	-	0	-
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DIESEL 10PPM BARGES FOB B	U7	0	0	-	0	-
DLY GAS EURO-BOB OXY	GBR	0	0	-	0	-
DOMINION TRAN INC - APP I	IH	976	2,920	-66.6%	1,224	-20.3%
DOMINION TRANSMISSION INC	PG	16,035	39,591	-59.5%	17,355	-7.6%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	20,310	7,870	158.1%	3,205	533.7%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	QX	60	380	-84.2%	105	-42.9%
EAST/WEST FUEL OIL SPREAD	EW	107	328	-67.4%	107	0.0%
EIA FLAT TAX ONHWAY DIESE	A5	1,927	3,708	-48.0%	1,706	13.0%
ELEC ERCOT DLY OFF PK	I4	0	0	-	0	-
ELEC ERCOT DLY OFF PK	R4	0	0	-	0	-
ELEC ERCOT DLY PEAK	I3	0	0	-	300	-100.0%
ELEC ERCOT DLY PEAK	I7	300	0	-	300	0.0%
ELEC ERCOT DLY PEAK	N1	0	0	-	0	-
ELEC ERCOT DLY PEAK	R1	0	0	-	0	-
ELEC ERCOT OFF PEAK	I2	0	0	-	0	-
ELEC FINSETTLED	47	1,190	1,949	-38.9%	1,236	-3.7%
ELEC FINSETTLED	49	0	0	-	0	-
ELEC MISO PEAK	4L	1,245	3,825	-67.5%	1,590	-21.7%
ELEC MISO PEAK	55	0	332	-100.0%	0	-
ELEC NYISO OFF-PEAK	4M	24,015	70,200	-65.8%	29,655	-19.0%
ELEC NYISO OFF-PEAK	58	0	6,404	-100.0%	0	-
ELECTRICITY ERCOT PEAK	ERE	0	0	-	0	-
ELECTRICITY OFF PEAK	46	21,906	36,069	-39.3%	22,658	-3.3%
ELECTRICITY OFF PEAK	4P	0	0	-	0	-
ELECTRICITY OFF PEAK	50	0	0	-	0	-
ELEC WEST POWER OFF-PEAK	MDA	0	0	-	0	-
ELEC WEST POWER PEAK	MDC	0	0	-	0	-
EL PASO PERMIAN INDEX SWA	IL	0	0	-	0	-
ERCOT DAILY 5MW PEAK	ERW	0	0	-	0	-
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	0	3,880	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	10,080	0	-	6,720	50.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	0	21,200	-100.0%	29,120	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	3,880	-100.0%	950	-100.0%
ETHANOL SWAP	MT2	170	0	-	110	54.5%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	4,391	5,492	-20.0%	4,507	-2.6%
EURO 1% FUEL OIL NEW BALM	KX	8	0	-	2	300.0%
EURO 3.5% FUEL OIL RDAM B	KR	110	279	-60.6%	447	-75.4%
EURO 3.5% FUEL OIL SPREAD	FK	162	929	-82.6%	190	-14.7%
EURO-DENOMINATED PETRO PROD	NCP	96	150	-36.0%	640	-85.0%
EURO GASOIL 10 CAL SWAP	GT	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	176	347	-49.3%	231	-23.8%
EUROPE 1% FUEL OIL NWE CA	UF	142	35	305.7%	167	-15.0%
EUROPE 1% FUEL OIL RDAM C	UH	3	3	0.0%	3	0.0%

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Energy Futures						
EUROPE 3.5% FUEL OIL MED	UI	166	344	-51.7%	157	5.7%
EUROPE 3.5% FUEL OIL RDAM	UV	10,904	9,000	21.2%	12,101	-9.9%
EUROPEAN GASOIL (ICE)	7F	212	1,251	-83.1%	221	-4.1%
EUROPEAN NAPHTHA BALMO	KZ	119	250	-52.4%	249	-52.2%
EUROPEAN NAPHTHA CRACK SPR	EN	16,438	11,447	43.6%	15,628	5.2%
EUROPE DATED BRENT SWAP	UB	1,090	1,537	-29.1%	0	-
EUROPE JET KERO NWE CALSW	UJ	36	66	-45.5%	39	-7.7%
EUROPE NAPHTHA CALSWAP	UN	3,327	2,686	23.9%	3,494	-4.8%
EURO PROPANE CIF ARA SWA	PS	1,613	1,426	13.1%	1,668	-3.3%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	-	0	-
FLORIDA GAS ZONE3 BASIS S	FP	0	0	-	0	-
FREIGHT MARKETS	FLP	910	852	6.8%	881	3.3%
FREIGHT MARKETS	FRC	275	0	-	325	-15.4%
FREIGHT MARKETS	FRS	0	0	-	0	-
FREIGHT MARKETS	T2D	1,240	0	-	1,086	14.2%
FREIGHT MARKETS	TC6	0	0	-	0	-
FREIGHT MARKETS	TD3	30	0	-	30	0.0%
FUEL OIL CRACK VS ICE	FO	11,110	15,985	-30.5%	12,419	-10.5%
FUEL OIL NWE CRACK VS ICE	FI	171	0	-	171	0.0%
FUEL OIL (PLATS) CAR CM	1W	56	12	366.7%	70	-20.0%
FUEL OIL (PLATS) CAR CN	1X	85	0	-	95	-10.5%
FUELOIL SWAP:CARGOES VS.B	FS	783	1,045	-25.1%	803	-2.5%
GAS EURO-BOB OXY NWE BARGES	7H	6,873	4,448	54.5%	6,663	3.2%
GAS EURO-BOB OXY NWE BARGES CRK	7K	32,221	30,348	6.2%	32,762	-1.7%
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	-	0	-
GASOIL 0.1 CIF MED SWAP	Z4	0	0	-	0	-
GASOIL 0.1CIF MED VS ICE	Z5	0	20	-100.0%	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 CRG CIF NW VS	4V	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	63	130	-51.5%	85	-25.9%
GASOIL 0.1 ROTTERDAM BARG	VL	105	35	200.0%	120	-12.5%
GASOIL 10P CRG CIF NW VS	3V	0	0	-	0	-
GASOIL 10PPM CARGOES CIF	TY	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	TP	191	801	-76.2%	238	-19.7%
GASOIL BULLET SWAP	BG	0	130	-100.0%	0	-
GASOIL CALENDAR SWAP	GX	17	38	-55.3%	22	-22.7%
GASOIL CRACK SPREAD CALEN	GZ	19,005	22,833	-16.8%	19,837	-4.2%
GASOIL MINI CALENDAR SWAP	QA	805	492	63.6%	843	-4.5%
GASOLINE UP-DOWN BALMO SW	1K	0	0	-	0	-
GROUP THREE ULSD (PLATTS)	A7	91	100	-9.0%	124	-26.6%
GROUP THREE UNLEAD GAS (P	A9	275	0	-	325	-15.4%
GRP THREE ULSD(PLT)VS HEA	A6	8,411	14,023	-40.0%	8,796	-4.4%
GRP THREE UNL GS (PLT) VS	A8	4,883	3,535	38.1%	4,337	12.6%
GULF COAST 3% FUEL OIL BA	VZ	236	1,607	-85.3%	1,271	-81.4%
GULF COAST GASOLINE CLNDR	GS	0	0	-	0	-
GULF COAST JET FUEL CLNDR	GE	932	866	7.6%	1,006	-7.4%
GULF COAST JET VS NYM 2 H	ME	37,429	32,055	16.8%	33,113	13.0%
GULF COAST NO.6 FUEL OIL	MF	41,828	42,415	-1.4%	44,145	-5.2%
GULF COAST NO.6 FUEL OIL	MG	6,068	2,645	129.4%	7,641	-20.6%
GULF COAST ULSD CALENDAR	LY	1,887	2,718	-30.6%	1,475	27.9%
GULF COAST ULSD CRACK SPR	GY	595	1,960	-69.6%	795	-25.2%
HEATING OIL BALMO CLNDR S	1G	20	0	-	0	-

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Energy Futures						
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	8,614	10,404	-17.2%	1,038	729.9%
HENRY HUB FINANCIAL LAST	NBP	0	18	-100.0%	0	0.0%
HENRY HUB FINANCIAL LAST	TTE	9	8	12.5%	9	0.0%
HENRY HUB INDEX SWAP FUTU	IN	8,486	4,148	104.6%	798	963.4%
HENRY HUB SWAP	NN	1,093,565	1,200,606	-8.9%	1,108,063	-1.3%
HENRY HUB SWING FUTURE	SN	0	0	-	0	-
HOUSTON SHIP CHANNEL BASI	NH	12,797	20,796	-38.5%	13,337	-4.0%
HOUSTON SHIP CHANNEL INDE	IP	0	0	-	0	-
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	-	0	-
ICE BRENT DUBAI SWAP	DB	43,140	44,556	-3.2%	44,188	-2.4%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-
IN DELIVERY MONTH EUA	6T	3,698	10,598	-65.1%	3,698	0.0%
INDIANA MISO	FAD	18,200	40,544	-55.1%	17,920	1.6%
INDIANA MISO	FTD	10,080	9,480	6.3%	6,720	50.0%
INDIANA MISO	FTM	0	0	-	0	-
INDIANA MISO	PDD	2,283	2,198	3.9%	1,612	41.6%
INDIANA MISO	PDM	0	0	-	0	-
INDIANA MISO	PTD	581	413	40.7%	546	6.4%
INDIANA MISO	PTM	0	0	-	0	-
INDONESIAN COAL	MCC	0	0	-	0	-
INDONESIAN COAL ICI4	ICI	295	0	-	220	34.1%
ISO NEW ENGLAND OFF-PEAK	KI	0	56	-100.0%	0	-
ISO NEW ENGLAND PK LMP	NI	0	68	-100.0%	0	-
JAPAN C&F NAPHTHA CRACK S	JB	202	2,264	-91.1%	229	-11.8%
JAPAN C&F NAPHTHA SWAP	JA	2,602	1,563	66.5%	2,570	1.2%
JAPAN NAPHTHA BALMO SWAP	E6	28	86	-67.4%	97	-71.1%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	8	20	-60.0%	10	-20.0%
JET BARGES VS ICE GASOIL	JR	0	0	-	0	-
JET CIF NWE VS ICE	JC	436	473	-7.8%	494	-11.7%
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	4,410	5,324	-17.2%	4,625	-4.6%
LA CARB DIESEL (OPIS)	LX	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	KL	695	600	15.8%	930	-25.3%
LA CARBOB GASOLINE(OPIS)S	JL	100	550	-81.8%	225	-55.6%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	-	0	-
LA JET (OPIS) SWAP	JS	1,758	2,660	-33.9%	2,133	-17.6%
LLS (ARGUS) CALENDAR SWAP	XA	585	0	-	607	-3.6%
LLS (ARGUS) VS WTI SWAP	WJ	33,977	17,958	89.2%	33,396	1.7%
MARS (ARGUS) VS WTI SWAP	YX	6,500	10,630	-38.9%	7,265	-10.5%
MARS (ARGUS) VS WTI TRD M	YV	15,330	22,417	-31.6%	15,353	-0.1%
MARS BLEND CRUDE OIL	MB	0	2,220	-100.0%	0	-
MCCLOSKEY ARA ARGS COAL	MTF	34,730	58,543	-40.7%	36,588	-5.1%
MCCLOSKEY RCH BAY COAL	MFF	4,339	8,542	-49.2%	4,951	-12.4%
MGF FUT	MGF	40	79	-49.4%	40	0.0%
MGN1 SWAP FUT	MGN	358	409	-12.5%	385	-7.0%
MICHCON NG INDEX SWAP	Y8	0	0	-	0	-
MICHIGAN BASIS	NF	2,916	6,893	-57.7%	3,136	-7.0%
MICHIGAN MISO	HMO	11,200	104,760	-89.3%	13,832	-19.0%
MICHIGAN MISO	HMW	581	6,350	-90.9%	742	-21.7%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	183	93	96.8%	265	-30.9%

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Energy Futures						
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	348	1,000	-65.2%	375	-7.2%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	3,203	2,250	42.4%	3,498	-8.4%
MJC FUT	MJC	280	620	-54.8%	325	-13.8%
MNC FUT	MNC	5,969	4,222	41.4%	5,892	1.3%
MONT BELVIEU ETHANE 5 DECIMAL	C0	44,032	74,617	-41.0%	45,025	-2.2%
MONT BELVIEU ETHANE OPIS BALMO	8C	195	150	30.0%	130	50.0%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	126,015	111,716	12.8%	124,077	1.6%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,781	1,200	48.4%	987	80.4%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	19,405	10,997	76.5%	18,538	4.7%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	125	557	-77.6%	372	-66.4%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	52,152	40,842	27.7%	51,434	1.4%
MONT BELVIEU NORMAL BUTANE BALMO	8J	741	246	201.2%	940	-21.2%
NAT GAS BASIS SWAP	TZ6	3,291	7,157	-54.0%	3,531	-6.8%
NATURAL GAS	HBI	0	0	-	0	-
NATURAL GAS	XIC	0	24	-100.0%	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	CFS	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	0	0	-	0	-
NATURAL GAS INDEX	TZI	0	244	-100.0%	0	-
NATURAL GAS PEN SWP	NP	155,955	204,090	-23.6%	163,685	-4.7%
NEPOOL CNCTCT 5MW D AH O	P3	0	1,601	-100.0%	0	-
NEPOOL CONECTIC 5MW D AH	P2	0	83	-100.0%	0	-
NEPOOL INTR HUB 5MW D AH	H2	443,005	545,425	-18.8%	446,597	-0.8%
NEPOOL INTR HUB 5MW D AH	U6	29,066	38,362	-24.2%	27,748	4.7%
NEPOOL NE MASS 5MW D AH O	P8	14,040	14,040	0.0%	14,040	0.0%
NEPOOL NE MASS 5MW D AH P	P7	765	765	0.0%	765	0.0%
NEPOOL NEW HAMP 5MW D AH	U2	0	0	-	0	-
NEPOOL NEW HAMP 5MW D AH	U3	0	0	-	0	-
NEPOOL RHD ISLD 5MW D AH	U4	0	415	-100.0%	0	-
NEPOOL RHODE IL 5MW D AH	U5	0	8,005	-100.0%	0	-
NEPOOL SE MASS 5MW D AH O	P5	0	0	-	0	-
NEPOOL SE MASS 5MW D AH P	P4	0	0	-	0	-
NEPOOL W CNT MASS 5MW D A	L9	0	3,202	-100.0%	0	-
NEPOOL W CNTR M 5MW D AH	R6	0	166	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	CE	2,006	1,848	8.5%	1,770	13.3%
NEW YORK ETHANOL SWAP	EZ	1,547	2,385	-35.1%	1,835	-15.7%
NEW YORK HUB ZONE G PEAK	GN	2,448	1,166	109.9%	2,325	5.3%
NEW YORK HUB ZONE J PEAK	JN	790	913	-13.5%	1,010	-21.8%
NGPL MID-CONTINENT	NL	16,026	26,592	-39.7%	16,000	0.2%
NGPL MIDCONTINENT INDEX	IW	0	0	-	0	-
NGPL MIDCONTINENT SWING S	PX	0	0	-	0	-
NGPL TEX/OK	PD	15,813	26,207	-39.7%	17,967	-12.0%
NGPL TEXOK INDEX	OI	0	0	-	0	-
N ILLINOIS HUB DAILY	UD	178	294	-39.5%	178	0.0%
N ILLINOIS HUB MTHLY	UM	0	80	-100.0%	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	575	674	-14.7%	450	27.8%
NORTHEN NATURAL GAS DEMAR	PE	576	2,332	-75.3%	704	-18.2%
NORTHEN NATURAL GAS VENTU	PF	1,396	2,224	-37.2%	1,408	-0.9%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	NR	21,823	47,283	-53.8%	23,833	-8.4%

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Energy Futures						
N ROCKIES PIPE SWAP	XR	59	273	-78.4%	59	0.0%
NY1% VS GC SPREAD SWAP	VR	2,890	3,589	-19.5%	3,636	-20.5%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	-	0	-
NY 3.0% FUEL OIL (PLATTS	H1	545	150	263.3%	600	-9.2%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	50	-100.0%
NY HARBOR HEAT OIL SWP	MP	10,556	9,599	10.0%	11,380	-7.2%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	370	935	-60.4%	410	-9.8%
NY HARBOR RESIDUAL FUEL 1	MM	1,866	3,693	-49.5%	2,107	-11.4%
NYH NO 2 CRACK SPREAD CAL	HK	3,939	7,285	-45.9%	4,431	-11.1%
NY H OIL PLATTS VS NYMEX	YH	0	0	-	0	-
NYISO A	KA	0	0	-	0	-
NYISO A OFF-PEAK	KB	0	0	-	0	-
NYISO CAPACITY	LHV	277	309	-10.4%	302	-8.3%
NYISO CAPACITY	NNC	538	1,066	-49.5%	644	-16.5%
NYISO CAPACITY	NRS	663	1,607	-58.7%	884	-25.0%
NYISO G	KG	0	0	-	0	-
NYISO G OFF-PEAK	KH	0	0	-	0	-
NYISO J	KJ	0	415	-100.0%	0	-
NYISO J OFF-PEAK	KK	0	120	-100.0%	0	-
NYISO ZONE A 5MW D AH O P	K4	20,686	99,150	-79.1%	25,950	-20.3%
NYISO ZONE A 5MW D AH PK	K3	3,798	8,470	-55.2%	4,212	-9.8%
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	608,998	567,414	7.3%	630,430	-3.4%
NYISO ZONE G 5MW D AH PK	T3	24,481	24,438	0.2%	26,892	-9.0%
NYISO ZONE J 5MW D AH O P	D4	174,641	275,461	-36.6%	184,041	-5.1%
NYISO ZONE J 5MW D AH PK	D3	12,871	16,652	-22.7%	13,331	-3.5%
NY JET FUEL (PLATTS) HEAT OIL SWAP	1U	0	0	-	0	-
NYMEX ALUMINUM FUTURES	AN	612	880	-30.5%	540	13.3%
NYMEX ULSD VS NYMEX HO	UY	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	233	1,311	-82.2%	279	-16.5%
ONEOK OKLAHOMA NG BASIS	8X	2,168	1,814	19.5%	1,708	26.9%
ONTARIO POWER SWAPS	OFD	0	1,200	-100.0%	0	-
ONTARIO POWER SWAPS	OFM	0	12,010	-100.0%	0	-
ONTARIO POWER SWAPS	OPD	0	30	-100.0%	0	-
ONTARIO POWER SWAPS	OPM	0	315	-100.0%	0	-
PANHANDLE BASIS SWAP FUTU	PH	6,935	20,732	-66.5%	7,665	-9.5%
PANHANDLE INDEX SWAP FUTU	IV	0	0	-	0	-
PANHANDLE PIPE SWAP	XH	591	648	-8.8%	788	-25.0%
PERMIAN BASIS SWAP	PM	5,734	12,107	-52.6%	6,154	-6.8%
PETROCHEMICALS	22	225	109	106.4%	173	30.1%
PETROCHEMICALS	32	84	37	127.0%	165	-49.1%
PETROCHEMICALS	51	3	0	-	3	0.0%
PETROCHEMICALS	8I	5,648	4,147	36.2%	5,626	0.4%
PETROCHEMICALS	91	897	499	79.8%	707	26.9%
PETROCHEMICALS	HPE	0	0	-	0	-
PETROCHEMICALS	JKM	2,975	480	519.8%	3,208	-7.3%
PETROCHEMICALS	LPE	0	0	-	0	-
PETROCHEMICALS	MAA	0	0	-	0	-
PETROCHEMICALS	MAC	0	0	-	0	-
PETROCHEMICALS	MAE	398	150	165.3%	348	14.4%
PETROCHEMICALS	MAS	494	100	394.0%	429	15.2%
PETROCHEMICALS	MBE	875	900	-2.8%	685	27.7%



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Energy Futures						
PETROCHEMICALS	MNB	4,019	3,545	13.4%	4,377	-8.2%
PETROCHEMICALS	MPS	350	30	1,066.7%	330	6.1%
PETRO CRCKS & SPRDS ASIA	JNC	0	150	-100.0%	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	40	-100.0%	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STS	636	560	13.6%	761	-16.4%
PETRO CRCKS & SPRDS NA	CRB	6,295	1,334	371.9%	4,360	44.4%
PETRO CRCKS & SPRDS NA	EXR	3,750	2,731	37.3%	3,429	9.4%
PETRO CRCKS & SPRDS NA	FOC	1,450	1,295	12.0%	500	190.0%
PETRO CRCKS & SPRDS NA	GBB	975	1,855	-47.4%	1,500	-35.0%
PETRO CRCKS & SPRDS NA	GCC	340	285	19.3%	365	-6.8%
PETRO CRCKS & SPRDS NA	GCI	3,281	3,138	4.6%	3,762	-12.8%
PETRO CRCKS & SPRDS NA	GCM	21	17	23.5%	21	0.0%
PETRO CRCKS & SPRDS NA	GCU	24,299	15,590	55.9%	28,483	-14.7%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	5,481	15,710	-65.1%	5,532	-0.9%
PETRO CRCKS & SPRDS NA	KSD	0	25	-100.0%	0	-
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	0.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NYF	0	425	-100.0%	0	-
PETRO CRCKS & SPRDS NA	NYH	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	14,099	13,541	4.1%	12,837	9.8%
PETRO CRCKS & SPRDS NA	RVG	17,693	15,778	12.1%	18,598	-4.9%
PETRO CRCKS & SPRDS NA	SF3	45	9	400.0%	45	0.0%
PETRO CRK&SPRD EURO	1NB	3,547	2,833	25.2%	4,353	-18.5%
PETRO CRK&SPRD EURO	1ND	0	225	-100.0%	0	-
PETRO CRK&SPRD EURO	43	372	769	-51.6%	211	76.3%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-
PETRO CRK&SPRD EURO	BOB	4,273	4,372	-2.3%	4,548	-6.0%
PETRO CRK&SPRD EURO	EGB	0	5	-100.0%	0	-
PETRO CRK&SPRD EURO	EGN	0	18	-100.0%	0	-
PETRO CRK&SPRD EURO	EOB	63	46	37.0%	54	16.7%
PETRO CRK&SPRD EURO	EPN	1,562	981	59.2%	1,492	4.7%
PETRO CRK&SPRD EURO	EVC	4,921	5,659	-13.0%	5,577	-11.8%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-
PETRO CRK&SPRD EURO	FVB	30	0	-	30	0.0%
PETRO CRK&SPRD EURO	GCB	0	0	-	0	-
PETRO CRK&SPRD EURO	GOC	24	67	-64.2%	24	0.0%
PETRO CRK&SPRD EURO	MGB	30	0	-	0	-
PETRO CRK&SPRD EURO	MUD	114	350	-67.4%	139	-18.0%
PETRO CRK&SPRD EURO	NBB	10	10	0.0%	20	-50.0%
PETRO CRK&SPRD EURO	NOB	2,341	2,079	12.6%	2,265	3.4%
PETRO CRK&SPRD EURO	SFB	0	0	-	0	-
PETROLEUM PRODUCTS	D46	0	0	-	0	-
PETROLEUM PRODUCTS	EWB	0	0	-	0	-
PETROLEUM PRODUCTS	EWG	7,953	3,676	116.3%	5,573	42.7%
PETROLEUM PRODUCTS	MBS	0	0	-	0	-
PETROLEUM PRODUCTS	MGS	0	0	-	0	-
PETROLEUM PRODUCTS	MHE	0	0	-	0	-
PETROLEUM PRODUCTS	MME	0	0	-	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	VU	0	200	-100.0%	0	-
PETROLEUM PRODUCTS ASIA	E6M	20	30	-33.3%	70	-71.4%

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Energy Futures						
PETROLEUM PRODUCTS ASIA	MJN	2,046	1,872	9.3%	1,975	3.6%
PETROLEUM PRODUCTS ASIA	MSB	0	20	-100.0%	0	-
PETRO OUTFRIGHT EURO	0B	0	10	-100.0%	20	-100.0%
PETRO OUTFRIGHT EURO	0C	20	10	100.0%	3	566.7%
PETRO OUTFRIGHT EURO	0D	4,116	5,934	-30.6%	4,239	-2.9%
PETRO OUTFRIGHT EURO	0E	40	90	-55.6%	3	1,233.3%
PETRO OUTFRIGHT EURO	0F	786	1,361	-42.2%	779	0.9%
PETRO OUTFRIGHT EURO	1T	36	66	-45.5%	39	-7.7%
PETRO OUTFRIGHT EURO	33	0	48	-100.0%	0	-
PETRO OUTFRIGHT EURO	5L	0	55	-100.0%	10	-100.0%
PETRO OUTFRIGHT EURO	63	0	30	-100.0%	5	-100.0%
PETRO OUTFRIGHT EURO	6L	0	0	-	0	-
PETRO OUTFRIGHT EURO	7I	317	190	66.8%	0	-
PETRO OUTFRIGHT EURO	7R	229	109	110.1%	383	-40.2%
PETRO OUTFRIGHT EURO	88	0	0	-	0	-
PETRO OUTFRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTFRIGHT EURO	CGB	0	25	-100.0%	0	-
PETRO OUTFRIGHT EURO	CPB	127	221	-42.5%	0	-
PETRO OUTFRIGHT EURO	EFF	0	0	-	15	-100.0%
PETRO OUTFRIGHT EURO	EFM	0	50	-100.0%	0	-
PETRO OUTFRIGHT EURO	ENS	110	70	57.1%	100	10.0%
PETRO OUTFRIGHT EURO	ESB	0	0	-	0	-
PETRO OUTFRIGHT EURO	EWN	1,264	947	33.5%	1,206	4.8%
PETRO OUTFRIGHT EURO	FBD	0	0	-	0	-
PETRO OUTFRIGHT EURO	FLB	5	0	-	0	-
PETRO OUTFRIGHT EURO	GES	5	0	-	5	0.0%
PETRO OUTFRIGHT EURO	MBB	100	20	400.0%	0	-
PETRO OUTFRIGHT EURO	MBN	3,603	2,875	25.3%	4,078	-11.6%
PETRO OUTFRIGHT EURO	MEF	291	0	-	15	1,840.0%
PETRO OUTFRIGHT EURO	SMU	277	0	-	215	28.8%
PETRO OUTFRIGHT EURO	T0	63	357	-82.4%	63	0.0%
PETRO OUTFRIGHT EURO	ULB	0	0	-	0	-
PETRO OUTFRIGHT EURO	V0	320	100	220.0%	400	-20.0%
PETRO OUTFRIGHT EURO	W0	0	0	-	0	-
PETRO OUTFRIGHT EURO	X0	116	0	-	0	-
PETRO OUTFRIGHT NA	FCB	152	39	289.7%	32	375.0%
PETRO OUTFRIGHT NA	FOM	8	0	-	0	-
PETRO OUTFRIGHT NA	GBA	0	0	-	0	-
PETRO OUTFRIGHT NA	GUD	0	0	-	0	-
PETRO OUTFRIGHT NA	JE	126	400	-68.5%	153	-17.6%
PETRO OUTFRIGHT NA	JET	4,875	3,473	40.4%	3,725	30.9%
PETRO OUTFRIGHT NA	JTB	650	850	-23.5%	150	333.3%
PETRO OUTFRIGHT NA	MBL	30	160	-81.3%	32	-6.3%
PETRO OUTFRIGHT NA	MEN	410	494	-17.0%	625	-34.4%
PETRO OUTFRIGHT NA	MEO	3,307	7,140	-53.7%	3,574	-7.5%
PETRO OUTFRIGHT NA	MFD	0	13	-100.0%	0	-
PETRO OUTFRIGHT NA	MMF	79	120	-34.2%	57	38.6%
PETRO OUTFRIGHT NA	NYT	0	0	-	0	-
PETRO OUTFRIGHT NA	XER	0	0	-	0	0.0%
PJM AD HUB 5MW REAL TIME	V3	236,917	451,682	-47.5%	247,882	-4.4%
PJM AD HUB 5MW REAL TIME	Z9	20,675	26,669	-22.5%	20,901	-1.1%
PJM AECO DA OFF-PEAK	X1	0	0	-	0	-
PJM AECO DA PEAK	Y1	0	0	-	0	-



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Energy Futures					
PJM APS ZONE DA OFF-PEAK	W4	0	0	0	-
PJM APS ZONE DA PEAK	S4	0	0	0	-
PJM ATSI ELEC	MOD	0	51,130	0	-100.0%
PJM ATSI ELEC	MPD	0	2,730	0	-100.0%
PJM BGE DA OFF-PEAK	R3	3,202	26,920	3,954	-88.1%
PJM BGE DA PEAK	E3	166	1,460	212	-88.6%
PJM COMED 5MW D AH O PK	D9	8,005	31,405	9,885	-74.5%
PJM COMED 5MW D AH PK	D8	415	1,690	530	-75.4%
PJM DAILY	JD	702	620	710	13.2%
PJM DAYTON DA OFF-PEAK	R7	76,592	152,628	79,600	-49.8%
PJM DAYTON DA PEAK	D7	6,145	11,853	6,720	-48.2%
PJM JCPL DA OFF-PEAK	F2	0	0	0	-
PJM JCPL DA PEAK	J2	0	0	0	-
PJM NI HUB 5MW REAL TIME	B3	15,626	38,315	17,317	-59.2%
PJM NI HUB 5MW REAL TIME	B6	241,785	952,182	303,454	-74.6%
PJM NILL DA OFF-PEAK	L3	196,334	785,941	214,006	-75.0%
PJM NILL DA PEAK	N3	12,200	38,750	13,465	-68.5%
PJM OFF-PEAK LMP SWAP FUT	JP	160	664	202	-75.9%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	0	-
PJM PPL DA OFF-PEAK	F5	0	0	0	-
PJM PPL DA PEAK	L5	0	0	0	-
PJM PSEG DA OFF-PEAK	W6	40,960	93,640	42,840	-56.3%
PJM PSEG DA PEAK	L6	1,275	3,800	1,275	-66.4%
PJM WES HUB PEAK LMP 50 M	4S	0	0	0	-
PJM WESTH DA OFF-PEAK	E4	236,147	537,702	253,819	-56.1%
PJM WESTHDA PEAK	J4	12,721	29,986	13,802	-57.6%
PJM WESTH RT OFF-PEAK	N9	1,197,262	2,374,542	1,257,998	-49.6%
PJM WESTH RT PEAK	L1	77,617	130,274	79,268	-40.4%
PLASTICS	PGP	809	1,535	814	-47.3%
PREMIUM UNLD 10P FOB MED	3G	486	98	422	395.9%
PREMIUM UNLEAD 10PPM FOB	8G	35	0	31	12.9%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	256	0	128	100.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	596	600	707	-0.7%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	59,465	21,563	55,322	175.8%
RBOB CALENDAR SWAP	RL	16,926	18,564	17,158	-8.8%
RBOB CRACK SPREAD	RM	5,388	3,980	5,806	35.4%
RBOB CRACK SPREAD BALMO S	1E	0	0	0	-
RBOB GASOLINE BALMO CLNDR	1D	1,252	1,235	833	1.4%
RBOB PHY	RBL	0	0	0	0.0%
RBOB (PLATTS) CAL SWAP	RY	0	0	0	-
RBOB SPREAD (PLATTS) SWAP	RI	0	10	0	-100.0%
RBOB UP-DOWN CALENDAR SWA	RV	0	0	0	-
RBOB VS HEATING OIL SWAP	RH	420	2,741	675	-84.7%
ROCKIES KERN OPAL - NW IN	IR	0	0	0	-
SAN JUAN BASIS SWAP	NJ	10,853	23,290	11,882	-53.4%
SAN JUAN PIPE SWAP	XX	360	0	360	0.0%
SINGAPORE 180CST BALMO	BS	5	10	48	-50.0%
SINGAPORE 380CST BALMO	BT	132	346	277	-61.8%
SINGAPORE 380CST FUEL OIL	SE	10,943	10,231	12,267	7.0%
SINGAPORE FUEL 180CST CAL	UA	867	1,709	1,046	-49.3%
SINGAPORE FUEL OIL SPREAD	SD	910	1,420	1,017	-35.9%
SINGAPORE GASOIL	MAF	499	0	8	-

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Energy Futures						
SINGAPORE GASOIL	MTB	15	65	-76.9%	51	-70.6%
SINGAPORE GASOIL	MTS	6,774	9,769	-30.7%	6,759	0.2%
SINGAPORE GASOIL	STL	0	0	-	0	-
SINGAPORE GASOIL	STZ	1,150	300	283.3%	1,850	-37.8%
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	173	150	15.3%	50	246.0%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-
SINGAPORE GASOIL SWAP	SG	9,275	15,052	-38.4%	9,985	-7.1%
SINGAPORE GASOIL VS ICE	GA	41,626	11,560	260.1%	43,416	-4.1%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	11,310	4,190	169.9%	11,460	-1.3%
SINGAPORE JET KEROSENE SW	KS	4,230	2,992	41.4%	3,350	26.3%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	50	-100.0%	375	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	370	0	-	1,793	-79.4%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	14,890	11,358	31.1%	13,903	7.1%
SINGAPORE NAPHTHA BALMO	KU	0	0	-	0	-
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-
SING FUEL	MSD	0	30	-100.0%	0	-
SOCAL PIPE SWAP	XN	0	0	-	0	-
SONAT BASIS SWAP FUTURE	SZ	0	184	-100.0%	0	-
SOUTHERN NAT LA NAT GAS	M8	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	8Z	30	168	-82.1%	40	-25.0%
Sumas Basis Swap	NK	3,311	7,169	-53.8%	3,581	-7.5%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	184	-100.0%	0	-
TC2 ROTTERDAM TO USAC 37K	TM	229	0	-	160	43.1%
TC5 RAS TANURA TO YOKOHAM	TH	105	0	-	0	-
TCO BASIS SWAP	TC	5,303	16,868	-68.6%	5,723	-7.3%
TCO NG INDEX SWAP	Q1	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	TL	4,645	0	-	4,700	-1.2%
TENN 800 LEG NAT GAS INDE	L4	0	0	-	0	-
TENNESSEE 500 LEG BASIS S	NM	0	62	-100.0%	0	-
TENNESSEE 800 LEG NG BASI	6Z	0	62	-100.0%	0	-
TENNESSEE ZONE 0 BASIS SW	NQ	0	666	-100.0%	0	-
TETCO M-3 INDEX	IX	0	1,708	-100.0%	0	-
Tetco STX Basis	TX	184	1,006	-81.7%	244	-24.6%
TEXAS EASTERN ZONE M-3 BA	NX	3,223	9,605	-66.4%	3,523	-8.5%
TEXAS GAS ZONE1 NG BASIS	9F	1,444	7,812	-81.5%	1,920	-24.8%
Transco Zone 3 Basis	CZ	828	4,599	-82.0%	1,098	-24.6%
TRANSCO ZONE 3 NG INDEX S	Y6	0	2,074	-100.0%	0	-
TRANSCO ZONE4 BASIS SWAP	TR	4,246	13,165	-67.7%	4,636	-8.4%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	-	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	581	3,487	-83.3%	851	-31.7%
TRANSCO ZONE 6 INDEX	IT	0	488	-100.0%	0	-
UCM FUT	UCM	0	114	-100.0%	10	-100.0%
ULSD 10PPM CIF MED BALMO	X7	0	0	-	0	-
ULSD 10PPM CIF MED SWAP	Z6	0	0	-	0	-
ULSD 10PPM CIF MED VS ICE	Z7	0	54	-100.0%	0	-
ULSD 10PPM CIF NW BALMO S	B1	0	0	-	0	-
ULSD 10PPM CIF VS ICE GAS	7V	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	8,792	6,927	26.9%	4,762	84.6%

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Energy Futures						
UP DOWN GC ULSD VS NMX HO	LT	43,144	51,306	-15.9%	39,391	9.5%
USGC UNL 87 CRACK SPREAD	RU	0	0	-	0	-
WAHA BASIS	NW	3,312	8,608	-61.5%	3,629	-8.7%
WAHA INDEX SWAP FUTURE	IY	0	0	-	0	-
WESTERN RAIL DELIVERY PRB	QP	240	330	-27.3%	60	300.0%
WTI-BRENT BULLET SWAP	BY	6,704	1,404	377.5%	6,704	0.0%
WTI-BRENT CALENDAR SWAP	BK	135,642	57,703	135.1%	120,942	12.2%
WTI CALENDAR	CS	174,912	140,638	24.4%	174,289	0.4%
WTS (ARGUS) VS WTI SWAP	FF	61,503	45,787	34.3%	62,768	-2.0%
WTS (ARGUS) VS WTI TRD MT	FH	5,258	3,658	43.7%	5,883	-10.6%
Energy Options						
12 MO GASOIL CAL SWAP SPR	GXZ	0	630	-100.0%	0	-
1 MO GASOIL CAL SWAP SPR	GXA	0	0	-	0	-
BRENT 1 MONTH CAL	AA	0	0	-	0	-
BRENT CALENDAR SWAP	BA	6,711	7,699	-12.8%	7,070	-5.1%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	9C	55,702	0	-	88,504	-37.1%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-
BRENT OIL LAST DAY	BE	105,339	14,444	629.3%	103,059	2.2%
BRENT OIL LAST DAY	BZO	242,084	124,129	95.0%	202,657	19.5%
BRENT OIL LAST DAY	OS	1,222	16,324	-92.5%	1,222	0.0%
COAL API2 INDEX	CLA	3,770	5,528	-31.8%	3,315	13.7%
COAL API2 INDEX	CQA	900	0	-	900	0.0%
COAL API2 INDEX	MTC	0	0	-	0	-
COAL API4 INDEX	RLA	25	0	-	25	0.0%
COAL API4 INDEX	RQA	0	0	-	0	-
COAL SWAP	CPF	0	40	-100.0%	10	-100.0%
COAL SWAP	RPF	0	460	-100.0%	125	-100.0%
CRUDE OIL 1MO	WA	283,105	578,334	-51.0%	363,780	-22.2%
CRUDE OIL APO	AO	383,939	369,401	3.9%	398,287	-3.6%
CRUDE OIL CALNDR STRIP	6F	170	0	-	170	0.0%
CRUDE OIL OUTRIGHTS	AH	0	150	-100.0%	0	-
CRUDE OIL OUTRIGHTS	DBP	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCI	1,340	5,760	-76.7%	2,010	-33.3%
CRUDE OIL PHY	CD	0	0	0.0%	0	0.0%
CRUDE OIL PHY	LC	39,285	59,546	-34.0%	36,214	8.5%
CRUDE OIL PHY	LO	2,969,257	2,981,313	-0.4%	2,837,613	4.6%
CRUDE OIL PHY	LO1	2,739	3,483	-21.4%	2,475	10.7%
CRUDE OIL PHY	LO2	289	655	-55.9%	194	49.0%
CRUDE OIL PHY	LO3	88	685	-87.2%	287	-69.3%
CRUDE OIL PHY	LO4	0	0	-	0	-
CRUDE OIL PHY	LO5	0	0	0.0%	0	0.0%
ELEC FINSETTLED	PML	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	6,389	11,136	-42.6%	9,208	-30.6%
ETHANOL SWAP	GVR	2,724	2,251	21.0%	2,660	2.4%
EURO-DENOMINATED PETRO PROD	NWE	0	0	-	0	-
EUROPEAN JET KEROSENE NWE (PLATTS) AVG PRC	30	0	0	-	0	-
GASOLINE	GCE	0	0	-	0	-
HEATING OIL CRACK OPTIONS	CH	0	100	-100.0%	0	-

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Energy Options						
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	-	0	-
HEATING OIL PHY	LB	250	436	-42.7%	350	-28.6%
HEATING OIL PHY	OH	37,030	62,627	-40.9%	30,662	20.8%
HENRY HUB FINANCIAL LAST	E7	5,437	7,767	-30.0%	5,311	2.4%
HO 1 MONTH CLNDR OPTIONS	FA	0	200	-100.0%	0	-
HUSTN SHIP CHNL PIPE SWP	PK	0	0	-	0	-
LLS CRUDE OIL	WJO	900	4,425	-79.7%	1,200	-25.0%
LLS CRUDE OIL	YVO	0	3,500	-100.0%	0	-
MCCLOSKEY ARA ARGS COAL	MTO	215	1,055	-79.6%	225	-4.4%
MCCLOSKEY RCH BAY COAL	MFO	450	0	-	430	4.7%
NATURAL GAS	G10	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	G4	62,120	134,408	-53.8%	36,966	68.0%
NATURAL GAS 2 M CSO FIN	G2	0	3,550	-100.0%	0	-
NATURAL GAS 3 M CSO FIN	G3	0	0	-	43,220	-100.0%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	G6	11,350	8,150	39.3%	6,700	69.4%
NATURAL GAS OPTION ON CALENDAR STRP	6J	12,822	9,238	38.8%	13,086	-2.0%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	1,890,570	1,931,687	-2.1%	1,781,316	6.1%
NATURAL GAS PHY	ON	148,389	93,900	58.0%	126,953	16.9%
NATURAL GAS PHY	ON1	0	0	-	0	-
NATURAL GAS WINTER STRIP	6I	1,700	0	-	1,200	41.7%
NG HH 3 MONTH CAL	IC	0	0	-	0	-
N ROCKIES PIPE SWAP	ZR	2,986	6,754	-55.8%	2,750	8.6%
NY HARBOR HEAT OIL SWP	AT	14,759	20,479	-27.9%	14,930	-1.1%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	5,880	-100.0%	0	-
NYMEX EUROPEAN GASOIL APO	F7	0	0	-	0	-
NYMEX EUROPEAN GASOIL OPT	F8	0	0	-	0	-
PANHANDLE PIPE SWAP	PU	1,440	2,160	-33.3%	1,920	-25.0%
PETROCHEMICALS	4H	4,098	5,593	-26.7%	3,911	4.8%
PETROCHEMICALS	4J	1,240	2,440	-49.2%	1,325	-6.4%
PETROCHEMICALS	4K	1,650	700	135.7%	1,650	0.0%
PETROCHEMICALS	CPR	0	18	-100.0%	0	-
PETRO OUTRIGHT EURO	8H	0	200	-100.0%	0	-
PETRO OUTRIGHT NA	DAP	216	0	-	30	620.0%
PJM MONTHLY	JO	0	0	-	0	-
PJM WES HUB PEAK CAL MTH	6OA	1,780	3,400	-47.6%	1,790	-0.6%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-
PJM WES HUB PEAK LMP 50MW	PMA	5,113	15,778	-67.6%	6,512	-21.5%
RBOB 1MO CAL SPD OPTIONS	ZA	0	750	-100.0%	0	-
RBOB CALENDAR SWAP	RA	425	1,502	-71.7%	525	-19.0%
RBOB PHY	OB	8,307	20,238	-59.0%	8,900	-6.7%
RBOB PHY	RF	0	200	-100.0%	125	-100.0%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	160	-100.0%	0	-
SAN JUAN PIPE SWAP	PJ	2,496	5,364	-53.5%	2,260	10.4%
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	-



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Energy Options						
SHORT TERM	U25	0	0	-	0	-
SHORT TERM	U26	0	0	-	0	-
SHORT TERM NATURAL GAS	U01	200	0	-	0	-
SHORT TERM NATURAL GAS	U02	0	525	-100.0%	0	-
SHORT TERM NATURAL GAS	U03	0	0	-	0	-
SHORT TERM NATURAL GAS	U04	0	0	-	650	-100.0%
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	0.0%	0	-
SHORT TERM NATURAL GAS	U29	0	0	0.0%	0	-
SHORT TERM NATURAL GAS	U30	0	0	-	0	-
SHORT TERM NATURAL GAS	U31	0	0	-	0	0.0%
SINGAPORE GASOIL CALENDAR	M2	0	100	-100.0%	0	-
SINGAPORE JET FUEL CALEND	N2	0	160	-100.0%	0	-
SOCAL PIPE SWAP	ZN	0	0	-	0	-
WTI-BRENT BULLET SWAP	BV	199,171	202,601	-1.7%	194,906	2.2%
WTI CRUDE OIL 1 M CSO FI	7A	110,475	285,624	-61.3%	127,275	-13.2%
Metals Futures						
COMEX GOLD	GC	457,853	531,843	-13.9%	469,839	-2.6%
NYMEX HOT ROLLED STEEL	HR	14,456	13,332	8.4%	15,268	-5.3%
NYMEX PLATINUM	PL	71,308	71,236	0.1%	87,077	-18.1%
PALLADIUM	PA	23,288	31,533	-26.1%	18,563	25.5%
URANIUM	UX	4,077	4,227	-3.5%	3,090	31.9%
COMEX SILVER	SI	204,131	183,000	11.5%	212,641	-4.0%
COMEX E-Mini GOLD	QO	3,029	797	280.1%	3,102	-2.4%
COMEX E-Mini SILVER	QI	264	105	151.4%	206	28.2%
COMEX COPPER	HG	238,539	272,255	-12.4%	233,727	2.1%
COMEX MINY COPPER	QC	33	269	-87.7%	30	10.0%
ALUMINUM	A38	0	0	-	0	-
ALUMINUM	AEP	10,453	14,515	-28.0%	11,530	-9.3%
ALUMINUM	ALA	2,460	3,900	-36.9%	2,865	-14.1%
ALUMINUM	ALI	0	188	-100.0%	0	-
ALUMINUM	AUP	28,414	26,298	8.0%	29,562	-3.9%
ALUMINUM	CUP	20	0	-	40	-50.0%
ALUMINUM	EDP	9,174	10,709	-14.3%	9,558	-4.0%
ALUMINUM	MJP	8,074	7,385	9.3%	8,485	-4.8%
COPPER	HGS	11,446	995	1,050.4%	11,585	-1.2%
E-MICRO GOLD	MGC	14,748	6,945	112.4%	14,131	4.4%
FERROUS PRODUCTS	BUS	3,016	365	726.3%	2,731	10.4%
GOLD	GPS	0	0	-	0	-

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Metals Futures						
Gold Kilo	GCK	0	33	-100.0%	0	-
IRON ORE 62 CHINA PLATTS FUTURES	PIO	320	3,724	-91.4%	400	-20.0%
IRON ORE 62 CHINA TSI FUTURES	TIO	8,979	13,784	-34.9%	10,118	-11.3%
LNDN ZINC	ZNC	17	10	70.0%	13	30.8%
METALS	LED	0	0	-	0	-
SILVER	SIL	1,462	1,439	1.6%	1,478	-1.1%
Metals Options						
COMEX COPPER	HX	23,145	7,471	209.8%	16,891	37.0%
COMEX GOLD	OG	1,289,414	1,032,853	24.8%	1,287,185	0.2%
COMEX SILVER	SO	226,174	109,781	106.0%	221,366	2.2%
COPPER	H1E	0	0	-	0	-
COPPER	H2E	0	0	-	0	-
COPPER	H3E	0	0	-	0	-
COPPER	H4E	0	0	-	0	-
COPPER	H5E	0	0	-	0	0.0%
GOLD	OG1	3,748	2,163	73.3%	2,935	27.7%
GOLD	OG2	1,789	146	1,125.3%	546	227.7%
GOLD	OG3	134	79	69.6%	157	-14.6%
GOLD	OG4	0	0	-	0	-
GOLD	OG5	0	0	0.0%	0	0.0%
HOT ROLLED COIL STEEL CALL OPTION	HRO	300	0	-	400	-25.0%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	996	9,831	-89.9%	1,204	-17.3%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	220	8,860	-97.5%	350	-37.1%
NIKKEI 225 (YEN) STOCK	H1E	6	0	-	0	-
NYMEX PLATINUM	PO	5,354	2,343	128.5%	8,968	-40.3%
PALLADIUM	PAO	2,042	2,986	-31.6%	2,379	-14.2%
SILVER	SO1	480	0	-	274	75.2%
SILVER	SO2	62	0	-	214	-71.0%
SILVER	SO3	51	0	-	20	155.0%
SILVER	SO4	0	0	-	0	-
SILVER	SO5	0	0	0.0%	0	0.0%
TOTAL FUTURES GROUP						
Ag Products Futures		1	5	-80.0%	2	-50.0%
Energy Futures		13,113,998	17,518,205	-25.1%	13,442,351	-2.4%
Metals Futures		1,115,561	1,198,887	-7.0%	1,146,039	-2.7%
TOTAL FUTURES		14,229,560	18,717,097	-24.0%	14,588,392	-2.5%



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest SEP 2018	Open Interest SEP 2017	% CHG	Open Interest AUG 2018	% CHG
TOTAL OPTIONS GROUP					
Energy Options	6,630,667	7,023,637	-5.6%	6,476,863	2.4%
Metals Options	1,553,915	1,176,513	32.1%	1,542,889	0.7%
TOTAL OPTIONS	8,184,582	8,200,150	-0.2%	8,019,752	2.1%
TOTAL COMBINED					
Ag Products	1	5	-80.0%	2	-50.0%
Energy	19,744,665	24,541,842	-19.5%	19,919,214	-0.9%
Metals	2,669,476	2,375,400	12.4%	2,688,928	-0.7%
GRAND TOTAL	22,414,142	26,917,247	-16.7%	22,608,144	-0.9%