



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest DEC 2015	Open Interest DEC 2014	% CHG	Open Interest NOV 2015	% CHG
Commodities and Alternative Investments Futures					
COCOA TAS	29	20	45.0%	72	-59.7%
COFFEE	3	13	-76.9%	8	-62.5%
COTTON	5	18	-72.2%	4	25.0%
SUGAR 11	40	19	110.5%	19	110.5%
Energy Futures					
CRUDE OIL PHY	1,674,783	1,468,497	14.0%	1,655,962	1.1%
CRUDE OIL	7,005	19,064	-63.3%	7,201	-2.7%
MINY WTI CRUDE OIL	6,097	8,382	-27.3%	5,480	11.3%
BRENT OIL LAST DAY	170,458	140,181	21.6%	167,581	1.7%
HEATING OIL PHY	342,234	345,635	-1.0%	350,425	-2.3%
HTG OIL	2,128	66	3,124.2%	216	885.2%
MINY HTG OIL	1	4	-75.0%	1	0.0%
RBOB PHY	355,344	331,633	7.1%	363,996	-2.4%
MINY RBOB GAS	0	0	-	0	0.0%
NATURAL GAS	97,496	75,037	29.9%	92,959	4.9%
LTD NAT GAS	292,483	409,754	-28.6%	313,546	-6.7%
MINY NATURAL GAS	2,467	2,857	-13.7%	2,685	-8.1%
PJM MONTHLY	13,176	20,601	-36.0%	10,250	28.5%
NATURAL GAS PHY	958,390	939,402	2.0%	1,008,247	-4.9%
RBOB GAS	4,653	486	857.4%	594	683.3%
3.5% FUEL OIL CID MED SWA	365	215	69.8%	153	138.6%
3.5% FUEL OIL CIF BALMO S	0	0	-	10	-100.0%
AEP-DAYTON HUB DAILY	252	0	-	303	-16.8%
AEP-DAYTON HUB MTHLY	1,922	3,577	-46.3%	2,068	-7.1%
AEP-DAYTON HUB OFF-PEAK M	1,854	4,028	-54.0%	2,124	-12.7%
ALGON CITY GATES NAT GAS	0	0	-	0	-
ALGONQUIN CITYGATES BASIS	359	199	80.4%	450	-20.2%
ANR LA NAT GAS INDEX SWAP	0	0	-	0	-
ANR LOUISIANA BASIS SWAP	856	0	-	856	0.0%
ANR OKLAHOMA	6,421	12,320	-47.9%	6,925	-7.3%
APPALACHIAN COAL (PHY)	115	847	-86.4%	120	-4.2%
ARGUS BIODIESEL RME FOB R	0	0	-	0	-
ARGUS LLS VS. WTI (ARG) T	14,017	3,545	295.4%	18,298	-23.4%
ARGUS PROPAN FAR EST INDE	1,174	595	97.3%	1,044	12.5%
ARGUS PROPAN(SAUDI ARAMCO	681	583	16.8%	674	1.0%
AUSTRALIAN COKE COAL	499	1,022	-51.2%	567	-12.0%
BRENT BALMO SWAP	100	225	-55.6%	0	-
BRENT CALENDAR SWAP	20,620	33,833	-39.1%	21,170	-2.6%
BRENT CFD(PLATTS) VS FRNT	0	0	-	0	-
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	7,756	14,124	-45.1%	5,734	35.3%
BRENT FINANCIAL FUTURES	1,114	0	-	33	3,275.8%
BRENT FINANCIAL FUTURES	120	0	-	120	0.0%
BRENT OIL LAST DAY	0	0	0.0%	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	0	0.0%
CANADIAN LIGHT SWEET OIL	6,422	330	1,846.1%	6,021	6.7%
CARBON EUA EMISSIONS EURO	0	0	-	0	-
CENTERPOINT BASIS SWAP	17,021	10,161	67.5%	16,390	3.8%
CENTERPOINT EAST INDEX	0	248	-100.0%	0	-
CENTER POINT NAT GAS FIXED PRICE	0	0	-	8	-100.0%



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CHICAGO BASIS SWAP	NB	0	0	-	0	-
CHICAGO ETHANOL SWAP	CU	42,429	36,102	17.5%	40,803	4.0%
CHICAGO ULSD (PLATTS) SWA	4C	41	79	-48.1%	47	-12.8%
CHICAGO ULSD PL VS HO SPR	5C	1,698	1,900	-10.6%	1,828	-7.1%
CHICAGO UNL GAS PL VS RBO	3C	75	39	92.3%	78	-3.8%
CIG BASIS	CI	32,131	9,669	232.3%	17,448	84.2%
CINERGY HUB OFF-PEAK MONT	EJ	762	1,290	-40.9%	826	-7.7%
CINERGY HUB PEAK MONTH	EM	570	1,536	-62.9%	644	-11.5%
CIN HUB 5MW D AH O PK	K2	288,400	261,672	10.2%	303,240	-4.9%
CIN HUB 5MW D AH PK	H5	18,322	17,733	3.3%	18,391	-0.4%
CIN HUB 5MW REAL TIME O P	H4	767,880	367,928	108.7%	757,648	1.4%
CIN HUB 5MW REAL TIME PK	H3	26,491	19,999	32.5%	26,680	-0.7%
COAL SWAP	ACM	810	255	217.6%	490	65.3%
COAL SWAP	SSI	314	1,074	-70.8%	409	-23.2%
COLUMB GULF MAINLINE NG B	5Z	38,467	34,832	10.4%	39,344	-2.2%
COLUMBIA GULF MAIN NAT G	L2	2,759	992	178.1%	1,829	50.8%
COLUMBIA GULF NAT GAS FIXED PRICE	DCE	0	0	-	0	-
COLUMBIA GULF ONSHORE	GL	29,233	27,403	6.7%	29,419	-0.6%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	503	313	60.7%	335	50.1%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	642	576	11.5%	795	-19.2%
CONWAY PROPANE 5 DECIMALS SWAP	8K	13,619	11,316	20.4%	12,953	5.1%
CRUDE OIL	LPS	11,300	0	-	9,650	17.1%
CRUDE OIL LAST DAY	26	0	0	-	0	-
CRUDE OIL OUTRIGHTS	42	226	961	-76.5%	89	153.9%
CRUDE OIL OUTRIGHTS	DBL	4,740	0	-	4,285	10.6%
CRUDE OIL OUTRIGHTS	FE	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCC	13,671	12,404	10.2%	14,520	-5.8%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL SPRDS	38	100	150	-33.3%	200	-50.0%
CRUDE OIL SPRDS	DPO	0	0	-	0	-
CRUDE OIL SPRDS	KE	0	0	-	0	-
CRUDE OIL SPRDS	LE	0	0	-	0	-
CRUDE OIL SPRDS	WTT	5,155	330	1,462.1%	5,088	1.3%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY EUA	EUL	0	0	-	0	-
DAILY PJM	AOR	20,640	0	-	31,752	-35.0%
DAILY PJM	IDO	27,760	0	-	27,512	0.9%
DAILY PJM	NOC	9,120	0	-	12,432	-26.6%
DAILY PJM	PAP	915	0	-	1,651	-44.6%
DAILY PJM	PDJ	0	0	-	0	-
DAILY PJM	PEO	19,888	0	-	36,928	-46.1%
DAILY PJM	PNO	24,768	0	-	23,224	6.6%
DAILY PJM	PNP	750	0	-	996	-24.7%
DAILY PJM	PWO	54,024	0	-	27,544	96.1%
DAILY PJM	PWP	2,135	0	-	1,344	58.9%
DAILY PJM	WOR	17,640	600	2,840.0%	34,440	-48.8%
DAILY PJM	ZAO	34,840	0	-	34,600	0.7%
DAILY PJM	ZGO	18,368	0	-	37,776	-51.4%
DAILY PJM	ZJO	11,368	0	-	12,144	-6.4%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	9,162	4,076	124.8%	11,917	-23.1%
DEMARC INDEX FUTURE	DI	0	682	-100.0%	0	-
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-

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DIESEL 10PPM BARGES FOB B	U7	0	0	-	0	-
DIESEL10PPM BARG VS ICE LS	LSE	0	6	-100.0%	0	-
DOMINION TRAN INC - APP I	IH	401	0	-	2,561	-84.3%
DOMINION TRANSMISSION INC	PG	31,725	18,124	75.0%	30,119	5.3%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	6,734	4,316	56.0%	8,090	-16.8%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	QX	2,695	4,610	-41.5%	3,128	-13.8%
EAST/WEST FUEL OIL SPREAD	EW	814	2,030	-59.9%	925	-12.0%
EIA FLAT TAX ONHWAY DIESE	A5	4,710	5,467	-13.8%	4,473	5.3%
ELEC ERCOT DLY OFF PK	R4	2,640	0	-	3,696	-28.6%
ELEC ERCOT DLY PEAK	I7	186	0	-	186	0.0%
ELEC ERCOT DLY PEAK	I9	0	0	-	0	-
ELEC ERCOT DLY PEAK	N1	205	6,534	-96.9%	689	-70.2%
ELEC ERCOT DLY PEAK	R1	132	0	-	132	0.0%
ELEC ERCOT OFF PEAK	ERU	0	0	-	0	-
ELEC ERCOT OFF PEAK	I2	0	0	-	0	-
ELEC ERCOT OFF PEAK	O1	0	126,128	-100.0%	8,624	-100.0%
ELEC FINSETTLED	47	1,556	1,526	2.0%	1,576	-1.3%
ELEC FINSETTLED	49	1,275	0	-	1,275	0.0%
ELEC MISO PEAK	4L	1,531	1,539	-0.5%	1,531	0.0%
ELEC MISO PEAK	55	2,036	534	281.3%	2,036	0.0%
ELEC NYISO OFF-PEAK	4M	28,156	27,440	2.6%	28,156	0.0%
ELEC NYISO OFF-PEAK	58	37,600	9,720	286.8%	37,600	0.0%
ELECTRICITY ERCOT PEAK	ERE	0	0	-	0	-
ELECTRICITY OFF PEAK	46	28,456	28,014	1.6%	28,857	-1.4%
ELECTRICITY OFF PEAK	4P	784	9,328	-91.6%	1,586	-50.6%
ELECTRICITY OFF PEAK	50	23,520	0	-	23,520	0.0%
EMC FUTURE	EMC	0	0	-	0	-
EMMISSIONS	CPL	0	0	-	250	-100.0%
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	1,800	0	-	2,520	-28.6%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	28,224	103,280	-72.7%	29,400	-4.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	2,245	10,054	-77.7%	2,672	-16.0%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	2,524	2,427	4.0%	3,049	-17.2%
EU LOW SULPHUR GASOIL CRACK	LSC	0	6,449	-100.0%	0	-
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	15	-100.0%
EURO 3.5% FUEL OIL M CRK	FL	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	KR	222	777	-71.4%	308	-27.9%
EURO 3.5% FUEL OIL SPREAD	FK	1,301	1,601	-18.7%	1,440	-9.7%
EURO-DENOMINATED PETRO PROD	IBE	0	22	-100.0%	0	-
EURO-DENOMINATED PETRO PROD	MFE	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	MFT	0	0	-	0	-
EURO-DENOMINATED PETRO PROD	NCP	10	0	-	250	-96.0%
EURO GASOIL 10 CAL SWAP	GT	8	0	-	5	60.0%
EURO GASOIL 10PPM VS ICE	ET	856	432	98.1%	761	12.5%
EUROPE 1% FUEL OIL NWE CA	UF	378	617	-38.7%	326	16.0%
EUROPE 1% FUEL OIL RDAM C	UH	86	39	120.5%	86	0.0%
EUROPE 3.5% FUEL OIL MED	UI	452	189	139.2%	277	63.2%
EUROPE 3.5% FUEL OIL RDAM	UV	9,190	11,781	-22.0%	9,503	-3.3%
EUROPEAN GASOIL (ICE)	7F	4,119	785	424.7%	3,890	5.9%
EUROPEAN NAPHTHA BALMO	KZ	53	128	-58.6%	46	15.2%
EUROPEAN NAPHTHA CRACK SPR	EN	10,874	14,390	-24.4%	11,354	-4.2%

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Energy Futures						
EUROPE DATED BRENT SWAP	UB	7,733	3,508	120.4%	11,926	-35.2%
EUROPE JET KERO NWE CALSWAP	UJ	16	27	-40.7%	17	-5.9%
EUROPE NAPHTHA CALSWAP	UN	1,061	1,828	-42.0%	1,012	4.8%
EURO PROPANE CIF ARA SWA	PS	933	774	20.5%	932	0.1%
FAME 0 BIODIESEL FOB RTDM SWP	2L	0	0	-	0	-
FLORIDA GAS ZONE3 BASIS S	FP	2,946	2,712	8.6%	3,814	-22.8%
FREIGHT MARKETS	FLP	362	0	-	408	-11.3%
FREIGHT MARKETS	FRC	0	0	-	0	-
FREIGHT MARKETS	TC6	0	0	-	0	-
FUEL OIL CRACK VS ICE	FO	15,713	18,089	-13.1%	17,086	-8.0%
FUEL OIL NWE CRACK VS ICE	FI	243	795	-69.4%	258	-5.8%
FUEL OIL (PLATS) CAR CM	1W	77	185	-58.4%	82	-6.1%
FUEL OIL (PLATS) CAR CN	1X	69	97	-28.9%	82	-15.9%
FUELOIL SWAP:CARGOES VS.B	FS	1,179	2,510	-53.0%	1,432	-17.7%
GAS EURO-BOB OXY NWE BARGES	7H	6,025	5,460	10.3%	5,507	9.4%
GAS EURO-BOB OXY NWE BARGES CRK	7K	33,476	32,782	2.1%	33,763	-0.9%
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	-	0	-
GASOIL 0.1 CARGOES CIF NE	TW	0	20	-100.0%	0	-
GASOIL 0.1 CIF MED BALMO	X6	0	0	-	0	-
GASOIL 0.1 CIF MED SWAP	Z4	40	0	-	50	-20.0%
GASOIL 0.1CIF MED VS ICE	Z5	127	15	746.7%	89	42.7%
GASOIL 0.1 CIF NWE VS ISE	TU	0	14	-100.0%	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	97	204	-52.5%	107	-9.3%
GASOIL 0.1 ROTTERDAM BARG	VL	0	20	-100.0%	0	-
GASOIL 10P CRG CIF NW VS	3V	0	20	-100.0%	0	-
GASOIL 10PPM CARGOES CIF	TY	15	0	-	15	0.0%
GASOIL 10PPM VS ICE SWAP	TP	190	197	-3.6%	196	-3.1%
GASOIL BULLET SWAP	BG	0	0	-	0	-
GASOIL CALENDAR SWAP	GX	50	109	-54.1%	33	51.5%
GASOIL CRACK SPREAD CALEN	GZ	8,713	2,046	325.9%	9,877	-11.8%
GASOIL MINI CALENDAR SWAP	QA	978	1,350	-27.6%	1,228	-20.4%
GASOLINE UP-DOWN (ARGUS)	UZ	0	0	-	0	-
GASOLINE UP-DOWN BALMO SW	1K	250	290	-13.8%	235	6.4%
GC ULSD VS GC JET SPREAD	VV	0	25	-100.0%	0	-
GROUP THREE ULSD (PLATTS)	A7	0	356	-100.0%	0	-
GRP THREE ULSD(PLT)VS HEA	A6	5,948	11,760	-49.4%	5,610	6.0%
GRP THREE UNL GS (PLT) VS	A8	5,145	3,625	41.9%	4,699	9.5%
GULF COAST 3% FUEL OIL BA	VZ	493	1,560	-68.4%	833	-40.8%
GULF COAST GASOLINE CLNDR	GS	1,601	1,316	21.7%	902	77.5%
GULF COAST JET FUEL CLNDR	GE	1,181	2,157	-45.2%	1,391	-15.1%
GULF COAST JET VS NYM 2 H	ME	32,152	39,493	-18.6%	33,401	-3.7%
GULF COAST NO.6 FUEL OIL	MF	60,223	41,131	46.4%	64,129	-6.1%
GULF COAST NO.6 FUEL OIL	MG	7,995	8,077	-1.0%	8,701	-8.1%
GULF COAST ULSD CALENDAR	LY	4,968	7,488	-33.7%	4,705	5.6%
GULF COAST ULSD CRACK SPR	GY	8,788	16,032	-45.2%	9,117	-3.6%
HEATING OIL BALMO CLNDR S	1G	60	0	-	100	-40.0%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%
HEATING OIL PHY	HOP	0	0	-	0	-
HEATING OIL VS ICE GASOIL	HA	0	1,790	-100.0%	0	-
HENRY HUB BASIS SWAP	HB	57,234	36,330	57.5%	59,782	-4.3%

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HENRY HUB INDEX SWAP FUTU	IN	26,689	23,938	11.5%	28,549	-6.5%
HENRY HUB SWAP	NN	1,421,914	1,686,366	-15.7%	1,480,978	-4.0%
HENRY HUB SWING FUTURE	SN	0	0	-	0	-
HOUSTON SHIP CHANNEL BASI	NH	22,757	16,860	35.0%	22,815	-0.3%
HOUSTON SHIP CHANNEL INDE	IP	0	372	-100.0%	0	-
HUSTN SHIP CHNL PIPE SWP	XJ	3,425	0	-	3,587	-4.5%
ICE BRENT DUBAI SWAP	DB	3,625	1,440	151.7%	1,055	243.6%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-
IN DELIVERY MONTH EUA	6T	47,410	68,281	-30.6%	84,537	-43.9%
INDIANA MISO	FAD	17,480	0	-	12,320	41.9%
INDIANA MISO	FDM	0	1,960	-100.0%	0	-
INDIANA MISO	FTD	4,680	0	-	8,904	-47.4%
INDIANA MISO	FTM	54,880	153,256	-64.2%	62,900	-12.8%
INDIANA MISO	PDD	632	0	-	396	59.6%
INDIANA MISO	PDM	1,226	7,100	-82.7%	1,946	-37.0%
INDIANA MISO	PTD	343	0	-	336	2.1%
INDIANA MISO	PTM	550	7,451	-92.6%	1,050	-47.6%
INDONESIAN COAL	MCC	180	935	-80.7%	255	-29.4%
ISO NEW ENGLAND OFF-PEAK	KI	684	1,558	-56.1%	744	-8.1%
ISO NEW ENGLAND PK LMP	NI	749	2,339	-68.0%	856	-12.5%
JAPAN C&F NAPHTHA CRACK S	JB	698	508	37.4%	682	2.3%
JAPAN C&F NAPHTHA SWAP	JA	1,520	1,477	2.9%	1,626	-6.5%
JAPAN NAPHTHA BALMO SWAP	E6	24	55	-56.4%	0	-
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	89	138	-35.5%	66	34.8%
JET BARGES VS ICE GASOIL	JR	15	0	-	15	0.0%
JET CIF NWE VS ICE	JC	446	349	27.8%	338	32.0%
JET FUEL BRG FOB RDM VS I	9Q	0	10	-100.0%	0	-
JET FUEL CARGOES CIF NEW	F3	0	0	-	0	-
JET FUEL CRG CIF NEW VS I	6X	0	8	-100.0%	0	-
JET FUEL UP-DOWN BALMO CL	1M	2,723	1,360	100.2%	6,300	-56.8%
JET UP-DOWN(ARGUS) SWAP	JU	0	0	-	0	-
LA CARB DIESEL (OPIS)	LX	195	104	87.5%	208	-6.3%
LA CARB DIESEL (OPIS) SWA	KL	780	373	109.1%	499	56.3%
LA CARBOB GASOLINE(OPIS)S	JL	300	600	-50.0%	225	33.3%
LA JET FUEL VS NYM NO 2 H	MQ	170	50	240.0%	220	-22.7%
LA JET (OPIS) SWAP	JS	790	75	953.3%	1,090	-27.5%
LLS (ARGUS) CALENDAR SWAP	XA	0	100	-100.0%	0	-
LLS (ARGUS) VS WTI SWAP	WJ	50,255	42,010	19.6%	54,217	-7.3%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-
MARS (ARGUS) VS WTI SWAP	YX	17,005	13,143	29.4%	18,246	-6.8%
MARS (ARGUS) VS WTI TRD M	YV	755	0	-	2,443	-69.1%
MCCLOSKEY ARA ARGS COAL	MTF	126,735	85,527	48.2%	152,500	-16.9%
MCCLOSKEY RCH BAY COAL	MFF	34,407	30,493	12.8%	43,159	-20.3%
MGF FUT	MGF	30	0	-	55	-45.5%
MGN1 SWAP FUT	MGN	495	188	163.3%	486	1.9%
MICHCON NG INDEX SWAP	Y8	0	0	-	0	-
MICHIGAN BASIS	NF	6,932	2,176	218.6%	6,998	-0.9%
MICHIGAN HUB OFF-PEAK MON	HJ	0	0	-	0	-
MICHIGAN HUB PEAK MONTH S	HM	0	0	-	0	-
MICHIGAN MISO	HMO	141,304	133,024	6.2%	146,504	-3.5%
MICHIGAN MISO	HMW	10,201	9,793	4.2%	10,461	-2.5%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	239	438	-45.4%	128	86.7%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	50	407	-87.7%	280	-82.1%

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Energy Futures						
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	1,457	787	85.1%	1,062	37.2%
MISO 5MW OFF PEAK	4R	0	0	-	0	-
MISO 5MW PEAK	4Q	0	0	-	0	-
MJB FUT	MJB	0	0	-	0	-
MJC FUT	MJC	200	297	-32.7%	220	-9.1%
MNC FUT	MNC	5,137	6,177	-16.8%	5,567	-7.7%
MONT BELVIEU ETHANE 5 DECIMAL	C0	29,828	15,552	91.8%	23,099	29.1%
MONT BELVIEU ETHANE OPIS BALMO	8C	90	350	-74.3%	0	-
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	101,751	75,803	34.2%	89,813	13.3%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	466	975	-52.2%	675	-31.0%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	9,395	14,307	-34.3%	9,032	4.0%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	110	557	-80.3%	90	22.2%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	33,605	22,426	49.8%	33,618	0.0%
MONT BELVIEU NORMAL BUTANE BALMO	8J	293	2,012	-85.4%	202	45.0%
NAT GAS BASIS SWAP	SGW	0	0	-	0	-
NAT GAS BASIS SWAP	TZ6	2,529	2,271	11.4%	3,118	-18.9%
NATURAL GAS	XAC	0	0	-	0	-
NATURAL GAS	XSC	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	CFS	1,464	0	-	1,960	-25.3%
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	5,244	0	-	5,548	-5.5%
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	1,464	0	-	1,464	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	264	0	-	323	-18.3%
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	330	0	-	391	-15.6%
NATURAL GAS FIXED PRICE SWAP FUTURES	Z5P	0	0	-	114	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	36	0	-	48	-25.0%
NATURAL GAS INDEX	TZI	0	0	-	0	-
NATURAL GAS PEN SWP	NP	315,947	559,378	-43.5%	343,780	-8.1%
NEPOOL CNCTCT 5MW D AH O	P3	5,480	14,024	-60.9%	6,282	-12.8%
NEPOOL CONECTIC 5MW D AH	P2	298	810	-63.2%	338	-11.8%
NEPOOL INTR HUB 5MW D AH	H2	360,248	349,597	3.0%	382,296	-5.8%
NEPOOL INTR HUB 5MW D AH	U6	18,102	20,598	-12.1%	18,692	-3.2%
NEPOOL MAINE 5MW D AH O E	W2	0	0	-	0	-
NEPOOL MAINE 5MW D AH PK	P9	0	0	-	0	-
NEPOOL NE MASS 5MW D AH O	P8	1,568	22,576	-93.1%	3,172	-50.6%
NEPOOL NE MASS 5MW D AH P	P7	88	1,874	-95.3%	168	-47.6%
NEPOOL NEW HAMP 5MW D AH	U2	44	512	-91.4%	84	-47.6%
NEPOOL NEW HAMP 5MW D AH	U3	784	9,328	-91.6%	1,586	-50.6%
NEPOOL RHD ISLD 5MW D AH	U4	12,153	12,827	-5.3%	13,713	-11.4%
NEPOOL RHODE IL 5MW D AH	U5	179,426	225,949	-20.6%	193,461	-7.3%
NEPOOL SE MASS 5MW D AH O	P5	392	4,664	-91.6%	793	-50.6%
NEPOOL SE MASS 5MW D AH P	P4	22	256	-91.4%	42	-47.6%
NEPOOL W CNT MASS 5MW D A	L9	43,728	30,952	41.3%	43,728	0.0%
NEPOOL W CNTR M 5MW D AH	R6	2,643	1,937	36.4%	2,643	0.0%
NEW ENGLAND HUB PEAK DAIL	CE	2,053	0	-	2,673	-23.2%
NEW YORK 0.3% FUEL OIL HI	8N	0	0	-	0	-
NEW YORK ETHANOL SWAP	EZ	2,290	2,646	-13.5%	2,290	0.0%
NEW YORK HUB ZONE G PEAK	GN	1,932	0	-	1,617	19.5%
NEW YORK HUB ZONE J PEAK	JN	1,073	0	-	759	41.4%
NGPL MID-CONTINENT	NL	38,422	17,035	125.5%	38,863	-1.1%
NGPL MIDCONTINENT INDEX	IW	0	0	-	0	-
NGPL STX NAT GAS INDEX SW	N6	0	0	-	0	-
NGPL TEX/OK	PD	65,959	41,925	57.3%	68,075	-3.1%
NGPL TEXOK INDEX	OI	0	0	-	480	-100.0%

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Energy Futures					
NGPL TEXOK SWING SWAP	0	0	-	0	-
N ILLINOIS HUB DAILY	92	0	-	123	-25.2%
N ILLINOIS HUB MTHLY	596	2,183	-72.7%	712	-16.3%
NO 2 UP-DOWN SPREAD CALEN	1,025	850	20.6%	1,104	-7.2%
NORTHEN NATURAL GAS DEMAR	2,348	3,877	-39.4%	2,702	-13.1%
NORTHEN NATURAL GAS VENTU	2,567	7,390	-65.3%	2,689	-4.5%
NORTHERN ILLINOIS OFF-PEA	1,124	2,658	-57.7%	1,238	-9.2%
NORTHWEST ROCKIES BASIS S	66,563	12,099	450.2%	56,077	18.7%
N ROCKIES PIPE SWAP	759	2,162	-64.9%	790	-3.9%
NY1% VS GC SPREAD SWAP	6,925	5,157	34.3%	6,235	11.1%
NY 2.2% FUEL OIL (PLATTS	685	903	-24.1%	640	7.0%
NY 3.0% FUEL OIL (PLATTS	1,775	320	454.7%	1,525	16.4%
NY HARBOR 1% FUEL OIL BAL	0	100	-100.0%	34	-100.0%
NY HARBOR HEAT OIL SWP	17,627	33,283	-47.0%	18,111	-2.7%
NY HARBOR LOW SULPUR GAS 1000MBBL	800	4,350	-81.6%	1,075	-25.6%
NY HARBOR LOW SULPUR GASOIL 1000MT	0	0	-	0	-
NY HARBOR RESIDUAL FUEL 1	7,559	5,703	32.5%	7,433	1.7%
NY HARBOR RESIDUAL FUEL C	0	50	-100.0%	0	-
NYH NO 2 CRACK SPREAD CAL	15,167	21,693	-30.1%	15,123	0.3%
NY H OIL PLATTS VS NYMEX	33	1,325	-97.5%	38	-13.2%
NYISO A	5,750	10,509	-45.3%	6,130	-6.2%
NYISO A OFF-PEAK	1,796	3,684	-51.2%	1,942	-7.5%
NYISO CAPACITY	2,398	678	253.7%	2,224	7.8%
NYISO CAPACITY	3,378	1,233	174.0%	3,358	0.6%
NYISO G	965	4,398	-78.1%	1,265	-23.7%
NYISO G OFF-PEAK	386	1,484	-74.0%	482	-19.9%
NYISO J	6,132	7,440	-17.6%	6,410	-4.3%
NYISO J OFF-PEAK	964	1,200	-19.7%	1,014	-4.9%
NYISO ZONE A 5MW D AH O P	334,920	547,659	-38.8%	362,480	-7.6%
NYISO ZONE A 5MW D AH PK	15,047	37,987	-60.4%	17,017	-11.6%
NYISO ZONE C 5MW D AH O P	24,304	35,200	-31.0%	25,106	-3.2%
NYISO ZONE C 5MW D AH PK	1,319	1,919	-31.3%	1,359	-2.9%
NYISO ZONE G 5MW D AH O P	212,478	338,800	-37.3%	220,750	-3.7%
NYISO ZONE G 5MW D AH PK	21,954	22,198	-1.1%	21,829	0.6%
NYISO ZONE J 5MW D AH O P	57,930	138,712	-58.2%	58,994	-1.8%
NYISO ZONE J 5MW D AH PK	9,019	9,868	-8.6%	9,429	-4.3%
NY JET FUEL (ARGUS) VS HEATING OIL	0	0	-	0	-
NY JET FUEL (PLATTS) HEAT OIL SWAP	20	3,465	-99.4%	50	-60.0%
NYMEX ALUMINUM FUTURES	1,903	0	-	2,409	-21.0%
NYMEX ULSD VS NYMEX HO	1,013	819	23.7%	1,051	-3.6%
NY ULSD (ARGUS) VS HEATING OIL	4,323	16,486	-73.8%	5,093	-15.1%
ONEOK OKLAHOMA NG BASIS	3,587	2,355	52.3%	2,932	22.3%
ONTARIO POWER SWAPS	6,240	0	-	2,352	165.3%
ONTARIO POWER SWAPS	160,947	236,003	-31.8%	181,331	-11.2%
ONTARIO POWER SWAPS	400	0	-	216	85.2%
ONTARIO POWER SWAPS	6,690	19,464	-65.6%	8,120	-17.6%
OPIS PHYSICAL NATURAL GASOLINE	0	0	-	0	-
OPIS PHYSICAL NORMAL BUTANE	0	0	-	0	-
PANHANDLE BASIS SWAP FUTU	47,095	23,244	102.6%	49,783	-5.4%
PANHANDLE INDEX SWAP FUTU	620	0	-	496	25.0%
PANHANDLE PIPE SWAP	0	0	-	0	-
PERMIAN BASIS SWAP	16,778	5,718	193.4%	10,961	53.1%
PETROCHEMICALS	66	49	34.7%	39	69.2%



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Energy Futures						
PETROCHEMICALS	32	112	41	173.2%	37	202.7%
PETROCHEMICALS	51	0	0	-	0	-
PETROCHEMICALS	81	0	0	-	0	-
PETROCHEMICALS	8I	2,689	1,627	65.3%	2,972	-9.5%
PETROCHEMICALS	91	105	105	0.0%	59	78.0%
PETROCHEMICALS	HPE	31	282	-89.0%	50	-38.0%
PETROCHEMICALS	JKM	0	0	-	0	-
PETROCHEMICALS	LPE	20	28	-28.6%	40	-50.0%
PETROCHEMICALS	MAE	70	10	600.0%	30	133.3%
PETROCHEMICALS	MAS	40	54	-25.9%	71	-43.7%
PETROCHEMICALS	MBE	3,210	3,009	6.7%	3,573	-10.2%
PETROCHEMICALS	MNB	1,619	2,214	-26.9%	1,766	-8.3%
PETRO CRCKS & SPRDS ASIA	STI	762	0	-	462	64.9%
PETRO CRCKS & SPRDS ASIA	STR	355	252	40.9%	380	-6.6%
PETRO CRCKS & SPRDS ASIA	STS	26	20	30.0%	52	-50.0%
PETRO CRCKS & SPRDS NA	CBA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	CRB	1,933	243	695.5%	1,162	66.4%
PETRO CRCKS & SPRDS NA	EXR	1,009	1,096	-7.9%	921	9.6%
PETRO CRCKS & SPRDS NA	FOC	4,260	710	500.0%	2,025	110.4%
PETRO CRCKS & SPRDS NA	GBB	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCC	700	0	-	0	-
PETRO CRCKS & SPRDS NA	GCI	3,501	3,000	16.7%	3,587	-2.4%
PETRO CRCKS & SPRDS NA	GCU	28,539	26,976	5.8%	29,282	-2.5%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	13,353	7,311	82.6%	13,434	-0.6%
PETRO CRCKS & SPRDS NA	KSD	390	50	680.0%	390	0.0%
PETRO CRCKS & SPRDS NA	NFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NYF	875	2,475	-64.6%	1,025	-14.6%
PETRO CRCKS & SPRDS NA	NYH	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	22,841	18,913	20.8%	21,167	7.9%
PETRO CRCKS & SPRDS NA	RVG	3,341	0	-	750	345.5%
PETRO CRK&SPRD EURO	1NB	4,405	11,695	-62.3%	3,391	29.9%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-
PETRO CRK&SPRD EURO	43	30	105	-71.4%	49	-38.8%
PETRO CRK&SPRD EURO	BFR	120	210	-42.9%	120	0.0%
PETRO CRK&SPRD EURO	BOB	4,661	2,257	106.5%	4,527	3.0%
PETRO CRK&SPRD EURO	EBF	0	0	-	0	-
PETRO CRK&SPRD EURO	EOB	106	25	324.0%	90	17.8%
PETRO CRK&SPRD EURO	EPN	151	380	-60.3%	164	-7.9%
PETRO CRK&SPRD EURO	EVC	3,301	3,795	-13.0%	3,426	-3.6%
PETRO CRK&SPRD EURO	FBT	120	30	300.0%	230	-47.8%
PETRO CRK&SPRD EURO	FVB	19	39	-51.3%	27	-29.6%
PETRO CRK&SPRD EURO	GCB	0	665	-100.0%	0	-
PETRO CRK&SPRD EURO	GOC	182	48	279.2%	190	-4.2%
PETRO CRK&SPRD EURO	GRB	0	0	-	0	-
PETRO CRK&SPRD EURO	GRS	0	0	-	0	-
PETRO CRK&SPRD EURO	LSU	0	84	-100.0%	0	-
PETRO CRK&SPRD EURO	MGB	157	60	161.7%	183	-14.2%
PETRO CRK&SPRD EURO	MUD	158	715	-77.9%	250	-36.8%
PETRO CRK&SPRD EURO	NBB	0	0	-	0	-
PETRO CRK&SPRD EURO	NOB	731	455	60.7%	725	0.8%
PETRO CRK&SPRD EURO	NYG	0	0	-	0	-

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Energy Futures						
PETRO CRK&SPRD EURO	SFB	0	0	-	0	-
PETRO CRK&SPRD EURO	SFC	0	7	-100.0%	0	-
PETROLEUM PRODUCTS	D43	0	0	-	0	-
PETROLEUM PRODUCTS	D44	0	55	-100.0%	0	-
PETROLEUM PRODUCTS	D45	0	0	-	10	-100.0%
PETROLEUM PRODUCTS	D53	0	0	-	0	-
PETROLEUM PRODUCTS	D62	0	0	-	0	-
PETROLEUM PRODUCTS	D63	0	0	-	0	-
PETROLEUM PRODUCTS	D64	0	336	-100.0%	0	-
PETROLEUM PRODUCTS	D65	0	0	-	0	-
PETROLEUM PRODUCTS	EWB	0	10	-100.0%	0	-
PETROLEUM PRODUCTS	EWG	0	0	-	0	-
PETROLEUM PRODUCTS	RMG	0	0	-	0	-
PETROLEUM PRODUCTS	RMK	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	E6M	50	30	66.7%	0	-
PETROLEUM PRODUCTS ASIA	MJN	1,977	2,877	-31.3%	1,995	-0.9%
PETRO OUTFRIGHT EURO	0A	0	90	-100.0%	0	-
PETRO OUTFRIGHT EURO	0B	115	563	-79.6%	100	15.0%
PETRO OUTFRIGHT EURO	0C	0	0	-	90	-100.0%
PETRO OUTFRIGHT EURO	0D	7,953	7,940	0.2%	8,607	-7.6%
PETRO OUTFRIGHT EURO	0E	1,011	462	118.8%	575	75.8%
PETRO OUTFRIGHT EURO	0F	1,830	1,569	16.6%	1,344	36.2%
PETRO OUTFRIGHT EURO	1T	7	23	-69.6%	4	75.0%
PETRO OUTFRIGHT EURO	33	219	783	-72.0%	278	-21.2%
PETRO OUTFRIGHT EURO	59	0	0	-	0	-
PETRO OUTFRIGHT EURO	5L	170	253	-32.8%	45	277.8%
PETRO OUTFRIGHT EURO	63	188	116	62.1%	128	46.9%
PETRO OUTFRIGHT EURO	6L	0	0	-	0	-
PETRO OUTFRIGHT EURO	7I	189	316	-40.2%	279	-32.3%
PETRO OUTFRIGHT EURO	7P	0	0	-	0	-
PETRO OUTFRIGHT EURO	7R	249	389	-36.0%	160	55.6%
PETRO OUTFRIGHT EURO	88	10	25	-60.0%	52	-80.8%
PETRO OUTFRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTFRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTFRIGHT EURO	CPB	0	181	-100.0%	52	-100.0%
PETRO OUTFRIGHT EURO	EFF	0	0	-	10	-100.0%
PETRO OUTFRIGHT EURO	EFM	4	88	-95.5%	13	-69.2%
PETRO OUTFRIGHT EURO	ENS	86	232	-62.9%	139	-38.1%
PETRO OUTFRIGHT EURO	EWN	268	253	5.9%	348	-23.0%
PETRO OUTFRIGHT EURO	FBD	0	0	-	0	-
PETRO OUTFRIGHT EURO	MBB	0	44	-100.0%	0	-
PETRO OUTFRIGHT EURO	MBN	3,981	2,828	40.8%	3,485	14.2%
PETRO OUTFRIGHT EURO	RBF	0	0	-	0	-
PETRO OUTFRIGHT EURO	SMU	0	50	-100.0%	0	-
PETRO OUTFRIGHT EURO	T0	234	574	-59.2%	256	-8.6%
PETRO OUTFRIGHT EURO	ULB	0	0	-	0	-
PETRO OUTFRIGHT EURO	V0	382	0	-	300	27.3%
PETRO OUTFRIGHT EURO	W0	0	0	-	0	-
PETRO OUTFRIGHT EURO	X0	0	0	-	30	-100.0%
PETRO OUTFRIGHT EURO	Y0	0	0	-	0	-
PETRO OUTFRIGHT NA	5Y	0	0	-	0	-
PETRO OUTFRIGHT NA	DBB	0	0	-	0	-
PETRO OUTFRIGHT NA	FCB	108	223	-51.6%	431	-74.9%



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Energy Futures					
PETRO OUTRIGHT NA	0	0	-	0	-
PETRO OUTRIGHT NA	0	0	-	0	-
PETRO OUTRIGHT NA	0	0	-	0	-
PETRO OUTRIGHT NA	320	20	1,500.0%	310	3.2%
PETRO OUTRIGHT NA	2,660	0	-	2,400	10.8%
PETRO OUTRIGHT NA	243	674	-63.9%	288	-15.6%
PETRO OUTRIGHT NA	685	855	-19.9%	324	111.4%
PETRO OUTRIGHT NA	8,804	6,938	26.9%	7,336	20.0%
PETRO OUTRIGHT NA	122	50	144.0%	240	-49.2%
PETRO OUTRIGHT NA	281	140	100.7%	266	5.6%
PETRO OUTRIGHT NA	0	0	-	0	-
PETRO OUTRIGHT NA	0	250	-100.0%	0	-
PETRO OUTRIGHT NA	30	0	-	60	-50.0%
PGE&E CITYGATE	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	1,649,567	1,573,587	4.8%	1,690,924	-2.4%
PJM AD HUB 5MW REAL TIME	76,802	60,880	26.2%	76,657	0.2%
PJM AECO DA OFF-PEAK	74,922	179,913	-58.4%	80,536	-7.0%
PJM AECO DA PEAK	4,087	9,830	-58.4%	4,367	-6.4%
PJM APS ZONE DA OFF-PEAK	15,288	29,280	-47.8%	16,491	-7.3%
PJM APS ZONE DA PEAK	831	1,599	-48.0%	891	-6.7%
PJM ATSI ELEC	23,400	0	-	23,400	0.0%
PJM ATSI ELEC	1,275	0	-	1,275	0.0%
PJM BGE DA OFF-PEAK	16,383	35,057	-53.3%	16,784	-2.4%
PJM BGE DA PEAK	915	2,802	-67.3%	955	-4.2%
PJM COMED 5MW D AH O PK	90,597	83,981	7.9%	97,013	-6.6%
PJM COMED 5MW D AH PK	7,502	4,609	62.8%	7,822	-4.1%
PJM DAILY	346	0	-	612	-43.5%
PJM DAYTON DA OFF-PEAK	221,920	321,058	-30.9%	164,520	34.9%
PJM DAYTON DA PEAK	17,690	18,263	-3.1%	14,445	22.5%
PJM DPL DA OFF-PEAK	0	0	-	0	-
PJM DPL DA PEAK	0	0	-	0	-
PJM DUQUESNE 5MW D AH PK	0	22	-100.0%	0	-
PJM DUQUS 5MW D AH O PK	0	392	-100.0%	0	-
PJM EASTERNH DA PEAK	0	0	-	0	-
PJM JCPL DA OFF-PEAK	70,230	118,830	-40.9%	74,240	-5.4%
PJM JCPL DA PEAK	3,830	7,135	-46.3%	4,030	-5.0%
PJM NI HUB 5MW REAL TIME	47,780	32,951	45.0%	47,517	0.6%
PJM NI HUB 5MW REAL TIME	1,318,029	650,870	102.5%	1,281,006	2.9%
PJM NILL DA OFF-PEAK	430,435	202,061	113.0%	437,404	-1.6%
PJM NILL DA PEAK	21,341	11,152	91.4%	21,455	-0.5%
PJM OFF-PEAK LMP SWAP FUT	4,430	8,324	-46.8%	4,760	-6.9%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	44	512	-91.4%	84	-47.6%
PJM PEPSCO DA OFF-PEAK	0	0	-	0	-
PJM PEPSCO DA PEAK	0	0	-	0	-
PJM PPL DA OFF-PEAK	64,680	45,504	42.1%	68,289	-5.3%
PJM PPL DA PEAK	3,601	3,614	-0.4%	3,861	-6.7%
PJM PSEG DA OFF-PEAK	1,960	27,645	-92.9%	1,960	0.0%
PJM PSEG DA PEAK	110	1,507	-92.7%	110	0.0%
PJM WES HUB PEAK LMP 50 M	22	256	-91.4%	42	-47.6%
PJM WESTH DA OFF-PEAK	1,304,169	1,413,377	-7.7%	1,343,096	-2.9%
PJM WESTHDA PEAK	70,083	81,908	-14.4%	72,089	-2.8%
PJM WESTH RT OFF-PEAK	3,448,667	3,042,172	13.4%	3,114,021	10.7%
PJM WESTH RT PEAK	173,071	146,350	18.3%	173,627	-0.3%

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Energy Futures						
PLASTICS	PGP	2,099	1,739	20.7%	2,363	-11.2%
PLASTICS	PPP	0	0	-	0	-
POLYETHYLENE FUTURES	P6	0	0	-	0	-
PREMIUM UNLD 10P FOB MED	3G	446	753	-40.8%	343	30.0%
PREMIUM UNLD 10PPM CARGOE	4G	0	0	-	0	-
PREMIUM UNLEAD 10PPM FOB	8G	0	118	-100.0%	0	-
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	15	-100.0%	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	80	95	-15.8%	35	128.6%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	0	100	-100.0%	748	-100.0%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	25,514	7,111	258.8%	27,166	-6.1%
RBOB CALENDAR SWAP	RL	18,017	17,185	4.8%	15,263	18.0%
RBOB CRACK SPREAD	RM	3,377	3,350	0.8%	3,104	8.8%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	1,367	806	69.6%	1,697	-19.4%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB PHY	RBP	0	0	-	0	-
RBOB SPREAD (PLATTS) SWAP	RI	97	69	40.6%	103	-5.8%
RBOB UP-DOWN CALENDAR SWA	RV	19,872	12,368	60.7%	20,135	-1.3%
RBOB VS HEATING OIL SWAP	RH	3,415	2,125	60.7%	2,700	26.5%
ROCKIES KERN OPAL - NW IN	IR	1,220	0	-	1,880	-35.1%
SAN JUAN BASIS SWAP	NJ	15,316	1,383	1,007.4%	12,535	22.2%
SAN JUAN PIPE SWAP	XX	0	224	-100.0%	0	-
SINGAPORE 180CST BALMO	BS	23	62	-62.9%	51	-54.9%
SINGAPORE 380CST BALMO	BT	25	101	-75.2%	109	-77.1%
SINGAPORE 380CST FUEL OIL	SE	7,941	4,661	70.4%	6,783	17.1%
SINGAPORE FUEL 180CST CAL	UA	1,764	4,327	-59.2%	1,965	-10.2%
SINGAPORE FUEL OIL SPREAD	SD	881	748	17.8%	1,024	-14.0%
SINGAPORE GASOIL	MTB	90	222	-59.5%	50	80.0%
SINGAPORE GASOIL	MTS	5,288	5,079	4.1%	4,915	7.6%
SINGAPORE GASOIL	STF	0	0	-	0	-
SINGAPORE GASOIL	STL	0	0	-	0	-
SINGAPORE GASOIL	STZ	50	600	-91.7%	350	-85.7%
SINGAPORE GASOIL BALMO	VU	172	100	72.0%	0	-
SINGAPORE GASOIL CALENDAR	MSG	100	672	-85.1%	100	0.0%
SINGAPORE GASOIL SWAP	SG	3,231	7,074	-54.3%	4,285	-24.6%
SINGAPORE GASOIL VS ICE	GA	3,520	7,008	-49.8%	3,995	-11.9%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	940	3,150	-70.2%	1,145	-17.9%
SINGAPORE JET KEROSENE SW	KS	2,862	5,421	-47.2%	2,819	1.5%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	210	625	-66.4%	175	20.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	12,718	24,884	-48.9%	10,756	18.2%
SINGAPORE NAPHTHA BALMO	KU	0	0	-	0	-
SINGAPORE NAPHTHA SWAP	SP	0	75	-100.0%	0	-
SING FUEL	MSD	0	0	-	0	-
SOCAL BASIS SWAP	NS	0	2,632	-100.0%	24	-100.0%
SOCAL PIPE SWAP	XN	0	1,526	-100.0%	124	-100.0%
SONAT BASIS SWAP FUTURE	SZ	6,612	3,474	90.3%	7,356	-10.1%
SOUTHERN NAT LA NAT GAS	M8	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	8Z	1,402	965	45.3%	1,588	-11.7%
Sumas Basis Swap	NK	10,773	5,281	104.0%	11,275	-4.5%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	1,737	0	-	1,830	-5.1%
TC2 ROTTERDAM TO USAC 37K	TM	0	10	-100.0%	0	-

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Energy Futures						
TC5 RAS TANURA TO YOKOHAM	TH	0	5	-100.0%	0	-
TCO BASIS SWAP	TC	45,385	80,904	-43.9%	49,360	-8.1%
TCO NG INDEX SWAP	Q1	3,176	3,168	0.3%	3,416	-7.0%
TD3 MEG TO JAPAN 250K MT	TL	0	0	-	0	-
TD5 WEST AFRICA TO USAC 1	TI	0	0	-	0	-
TENN 800 LEG NAT GAS INDE	L4	2,562	0	-	2,373	8.0%
TENNESSEE 500 LEG BASIS S	NM	2,196	1,991	10.3%	2,258	-2.7%
TENNESSEE 500 LEG NG INDE	Y7	0	0	-	0	-
TENNESSEE 500 LEG NG SWIN	T7	0	0	-	0	-
TENNESSEE 800 LEG NG BASI	6Z	2,074	2,568	-19.2%	2,136	-2.9%
TENNESSEE ZONE 0 BASIS SW	NQ	1,032	0	-	604	70.9%
Tetco ELA Basis	TE	0	0	-	0	-
TETCO M-3 INDEX	IX	10,208	6,274	62.7%	6,288	62.3%
Tetco STX Basis	TX	3,171	0	-	3,295	-3.8%
TEXAS EASTERN ZONE M-3 BA	NX	14,848	20,394	-27.2%	14,857	-0.1%
TEXAS EAST W LOUISANA NG	8B	0	0	-	0	-
TEXAS GAS ZONE1 NG BASIS	9F	15,778	8,990	75.5%	16,088	-1.9%
TEXAS GAS ZONE SL BASIS S	TB	0	0	-	0	-
TRANSCO ZONE 1 NAT GAS IN	C4	0	0	-	0	-
TRANSCO ZONE 1 NG BASIS	8E	0	0	-	0	-
Transco Zone 3 Basis	CZ	10,158	11,090	-8.4%	10,716	-5.2%
TRANSCO ZONE4 BASIS SWAP	TR	38,280	12,903	196.7%	42,592	-10.1%
TRANSCO ZONE 4 NAT GAS IN	B2	310	372	-16.7%	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	4,639	2,938	57.9%	4,542	2.1%
TRANSCO ZONE 6 INDEX	IT	0	80	-100.0%	0	-
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	0	-	0	-
UCM FUT	UCM	50	85	-41.2%	130	-61.5%
ULSD 10PPM CIF MED BALMO	X7	0	0	-	0	-
ULSD 10PPM CIF MED SWAP	Z6	0	3	-100.0%	0	-
ULSD 10PPM CIF MED VS ICE	Z7	388	133	191.7%	238	63.0%
ULSD 10PPM CIF NW BALMO S	B1	0	0	-	0	-
ULSD 10PPM CIF VS ICE GAS	7V	0	0	-	0	-
ULSD UP-DOWN(ARGUS) SWAP	US	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	7,798	2,725	186.2%	6,135	27.1%
UP DOWN GC ULSD VS NMX HO	LT	46,382	52,951	-12.4%	48,683	-4.7%
USGC UNL 87 CRACK SPREAD	RU	1,150	350	228.6%	1,125	2.2%
VENTURA NAT GAS PLATTS FIXED PRICE	DVA	0	0	-	11	-100.0%
WAHA BASIS	NW	17,083	15,665	9.1%	15,223	12.2%
WAHA INDEX SWAP FUTURE	IY	1,712	0	-	1,712	0.0%
WESTERN RAIL DELIVERY PRB	QP	3,455	6,115	-43.5%	3,715	-7.0%
WTI-BRENT BULLET SWAP	BY	0	55	-100.0%	0	-
WTI-BRENT CALENDAR SWAP	BK	98,300	137,262	-28.4%	107,383	-8.5%
WTI CALENDAR	CS	125,723	136,554	-7.9%	132,263	-4.9%
WTS (ARGUS) VS WTI SWAP	FF	39,111	32,388	20.8%	40,266	-2.9%
WTS (ARGUS) VS WTI TRD MT	FH	3,825	4,791	-20.2%	5,592	-31.6%
Energy Options						
1 MO GASOIL CAL SWAP SPR	GXA	100	0	-	100	0.0%
APPALACHIAN COAL	6K	0	25	-100.0%	0	-
BRENT 1 MONTH CAL	AA	0	0	-	0	-
BRENT CALENDAR SWAP	BA	121,177	246,473	-50.8%	135,778	-10.8%
BRENT OIL LAST DAY	BE	6,658	24,423	-72.7%	6,545	1.7%
BRENT OIL LAST DAY	BZO	720	0	-	0	-



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Energy Options						
BRENT OIL LAST DAY	OS	36,544	73,686	-50.4%	36,871	-0.9%
CINERGY HUB PEAK MONTH	OY	0	0	-	0	-
COAL API2 INDEX	CLA	6,150	1,625	278.5%	32,818	-81.3%
COAL API2 INDEX	CQA	28,030	1,155	2,326.8%	47,095	-40.5%
COAL API2 INDEX	MTC	0	0	-	0	-
COAL API4 INDEX	RLA	50	490	-89.8%	1,490	-96.6%
COAL API4 INDEX	RQA	150	275	-45.5%	500	-70.0%
COAL SWAP	CPF	185	215	-14.0%	350	-47.1%
COAL SWAP	RPF	2,610	2,520	3.6%	3,545	-26.4%
CRUDE OIL 1MO	WA	210,600	260,185	-19.1%	201,125	4.7%
CRUDE OIL APO	AO	369,623	484,396	-23.7%	404,068	-8.5%
CRUDE OIL CALNDR STRIP	6F	0	110	-100.0%	110	-100.0%
CRUDE OIL OUTRIGHTS	AH	21,600	600	3,500.0%	16,600	30.1%
CRUDE OIL OUTRIGHTS	DBP	4,015	7,160	-43.9%	4,460	-10.0%
CRUDE OIL PHY	CD	0	0	-	0	0.0%
CRUDE OIL PHY	LC	93,235	119,757	-22.1%	92,917	0.3%
CRUDE OIL PHY	LO	2,455,144	2,802,897	-12.4%	2,354,324	4.3%
CRUDE OIL PHY	LO1	0	2,022	-100.0%	1,613	-100.0%
CRUDE OIL PHY	LO2	236	168	40.5%	16	1,375.0%
CRUDE OIL PHY	LO3	56	1	5,500.0%	12	366.7%
CRUDE OIL PHY	LO4	0	0	-	0	0.0%
CRUDE OIL PHY	LO5	0	0	-	0	-
DAILY CRUDE OIL	DNM	0	0	-	0	-
ELEC FINSETTLED	PJD	0	0	-	0	-
ELEC FINSETTLED	PJH	0	0	-	0	-
ELEC FINSETTLED	PML	48	510	-90.6%	52	-7.7%
ELEC MISO PEAK	9T	1,720	0	-	2,520	-31.7%
ELEC MISO PEAK	OEM	0	0	-	0	-
ELECTRICITY OFF PEAK	N9P	0	2,112	-100.0%	0	-
ETHANOL SWAP	CVR	10,692	17,028	-37.2%	12,675	-15.6%
ETHANOL SWAP	GVR	4,899	14,170	-65.4%	6,444	-24.0%
EURO-DENOMINATED PETRO PROD	EFB	0	40	-100.0%	0	-
EURO-DENOMINATED PETRO PROD	NWE	5	0	-	10	-50.0%
EUROPEAN JET KEROSENE NWE (PLATTS) AVG PRC	30	0	0	-	0	-
GASOIL CRACK SPREAD AVG PRICE OPTIONS	3U	0	774	-100.0%	0	-
GASOLINE	GCE	125	208	-39.9%	125	0.0%
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	-	0	-
HEATING OIL PHY	LB	770	1,776	-56.6%	701	9.8%
HEATING OIL PHY	OH	49,889	84,491	-41.0%	37,152	34.3%
HENRY HUB FINANCIAL LAST	E7	6,475	23,021	-71.9%	6,146	5.4%
HO 1 MONTH CLNDR OPTIONS	FA	500	3,380	-85.2%	550	-9.1%
HUSTN SHIP CHNL PIPE SWP	PK	600	0	-	1,084	-44.6%
IN DELIVERY MONTH EUA OPTIONS	6U	0	0	-	0	-
ISO NEW ENGLAND PK LMP	OE	0	0	-	0	-
LLS CRUDE OIL	WJO	4,080	0	-	4,080	0.0%
MCCLOSKEY ARA ARGS COAL	MTO	5,780	10,365	-44.2%	6,940	-16.7%
MCCLOSKEY RCH BAY COAL	MFO	980	2,460	-60.2%	1,285	-23.7%
NATURAL GAS 12 M CSO FIN	G7	0	0	-	1,700	-100.0%
NATURAL GAS 1 M CSO FIN	G4	21,530	133,864	-83.9%	22,600	-4.7%
NATURAL GAS 1MO	IA	0	0	-	0	-
NATURAL GAS 2 M CSO FIN	G2	0	0	-	3,000	-100.0%
NATURAL GAS 3 M CSO FIN	G3	1,650	250	560.0%	1,650	0.0%
NATURAL GAS 5 M CSO FIN	G5	0	250	-100.0%	0	-



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NATURAL GAS 6 M CSO FIN	G6	3,000	4,550	-34.1%	3,000	0.0%
NATURAL GAS OPTION ON CALENDAR STRP	6J	6,588	8,777	-24.9%	14,027	-53.0%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	2,666,141	3,752,280	-28.9%	2,799,812	-4.8%
NATURAL GAS PHY	ON	167,379	140,191	19.4%	153,606	9.0%
NATURAL GAS PHY	ON1	0	0	-	0	-
NATURAL GAS PHY	ON2	0	0	-	0	-
NATURAL GAS PHY	ON3	0	0	-	0	-
NATURAL GAS PHY	ON4	0	0	-	0	-
NATURAL GAS PHY	ON5	0	0	-	0	-
NATURAL GAS SUMMER STRIP	4D	0	0	-	0	-
NATURAL GAS WINTER STRIP	6I	0	0	-	0	-
N ILLINOIS HUB MTHLY	OU	0	0	-	0	-
N ROCKIES PIPE SWAP	ZR	7,260	11,124	-34.7%	9,337	-22.2%
NY HARBOR HEAT OIL SWP	AT	65,998	102,209	-35.4%	73,185	-9.8%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-
NYMEX EUROPEAN GASOIL APO	F7	1,212	134	804.5%	1,283	-5.5%
NYMEX EUROPEAN GASOIL OPT	F8	40	0	-	80	-50.0%
PANHANDLE PIPE SWAP	PU	0	0	-	0	-
PETROCHEMICALS	4H	5,222	17,683	-70.5%	6,976	-25.1%
PETROCHEMICALS	4I	0	75	-100.0%	0	-
PETROCHEMICALS	4J	540	6,295	-91.4%	930	-41.9%
PETROCHEMICALS	4K	0	50	-100.0%	0	-
PETROCHEMICALS	CPR	0	30	-100.0%	0	-
PETRO OUTRIGHT EURO	8H	155	886	-82.5%	160	-3.1%
PETRO OUTRIGHT NA	FG	0	0	-	0	-
PGE CITYGATE PIPE SWAP	CW	0	7,200	-100.0%	600	-100.0%
PJM CALENDAR STRIP	6O	0	420	-100.0%	1,400	-100.0%
PJM ELECTRIC	6OO	0	6	-100.0%	6	-100.0%
PJM MONTHLY	JO	8	282	-97.2%	10	-20.0%
PJM WES HUB PEAK CAL MTH	6OA	200	0	-	200	0.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-
RBOB 6 MONTH CALENDAR SPR	ZM	0	0	-	0	-
RBOB CALENDAR SWAP	RA	2,703	7,729	-65.0%	5,106	-47.1%
RBOB CRACK SPREAD AVG PRICE OPTIONS	3Y	0	0	-	0	-
RBOB PHY	OB	15,647	34,190	-54.2%	12,065	29.7%
RBOB PHY	RF	20	12	66.7%	0	-
ROTTERDAM 3.5%FUEL OIL CL	Q6	240	2,808	-91.5%	470	-48.9%
SAN JUAN PIPE SWAP	PJ	3,480	3,186	9.2%	4,732	-26.5%
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 CRUDE OIL	C02	0	750	-100.0%	0	-
SHORT TERM CRUDE OIL	C05	0	0	-	0	-
SHORT TERM NATURAL GAS	U01	0	0	-	200	-100.0%
SHORT TERM NATURAL GAS	U02	0	0	-	0	-

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Energy Options						
SHORT TERM NATURAL GAS	U03	0	0	-	0	-
SHORT TERM NATURAL GAS	U04	350	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	-
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	-
SINGAPORE FUEL OIL 180 CS	C5	0	20	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	M2	300	25	1,100.0%	300	0.0%
SINGAPORE JET FUEL CALEND	N2	1,500	1,380	8.7%	1,500	0.0%
SOCAL PIPE SWAP	ZN	0	18,072	-100.0%	800	-100.0%
WTI 12 MONTH CALENDAR OPT	WZ	0	0	-	0	-
WTI 6 MONTH CALENDAR OPTI	WM	0	0	-	0	-
WTI-BRENT BULLET SWAP	BV	25,810	22,835	13.0%	20,750	24.4%
WTI CRUDE OIL 12 M CSO F	7Z	0	0	-	0	-
WTI CRUDE OIL 1 M CSO FI	7A	305,194	285,300	7.0%	336,924	-9.4%
Metals Futures						
COMEX GOLD	GC	415,636	371,646	11.8%	395,654	5.1%
NYMEX HOT ROLLED STEEL	HR	25,266	23,736	6.4%	22,896	10.4%
NYMEX PLATINUM	PL	65,383	64,119	2.0%	76,588	-14.6%
PALLADIUM	PA	24,483	33,168	-26.2%	26,654	-8.1%
URANIUM	UX	4,217	4,818	-12.5%	4,277	-1.4%
COMEX SILVER	SI	168,442	151,215	11.4%	162,326	3.8%
COMEX MINY GOLD	QO	1,269	828	53.3%	1,160	9.4%
E-MINI SILVER	6Q	0	0	-	0	-
COMEX MINY SILVER	QI	121	86	40.7%	115	5.2%
COMEX COPPER	HG	165,936	160,435	3.4%	179,464	-7.5%
COMEX MINY COPPER	QC	93	153	-39.2%	97	-4.1%
Aluminium MW Trans Prem Platts	AUP	22,008	2,462	793.9%	21,003	4.8%
ALUMINUM	AEP	4,214	0	-	3,237	30.2%
ALUMINUM	ALI	178	99	79.8%	137	29.9%
COPPER	HGS	5,582	4,541	22.9%	5,893	-5.3%
E-MICRO GOLD	MGC	1,770	1,632	8.5%	1,625	8.9%
FERROUS PRODUCTS	BUS	0	0	-	77	-100.0%
FERROUS PRODUCTS	SSF	0	30	-100.0%	0	-
GOLD	GCK	7	0	-	5	40.0%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	20	-100.0%	0	-
IRON ORE 62 CHINA PLATTS FUTURES	PIO	90	240	-62.5%	240	-62.5%
IRON ORE 62 CHINA TSI FUTURES	TIO	21,669	4,555	375.7%	20,572	5.3%

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



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest DEC 2015	Open Interest DEC 2014	% CHG	Open Interest NOV 2015	% CHG
Metals Futures					
LNDN ZINC	10	0	-	24	-58.3%
SILVER	738	1,004	-26.5%	805	-8.3%
Metals Options					
COMEX COPPER	2,627	1,526	72.1%	3,881	-32.3%
COMEX GOLD	967,601	1,400,302	-30.9%	953,913	1.4%
COMEX SILVER	94,193	183,570	-48.7%	94,670	-0.5%
COPPER	0	0	-	0	-
GOLD	0	125	-100.0%	353	-100.0%
GOLD	2	28	-92.9%	310	-99.4%
GOLD	0	0	-	250	-100.0%
GOLD	0	0	-	0	0.0%
GOLD	0	0	-	0	-
HOT ROLLED COIL STEEL CALL OPTION	0	0	-	0	-
HOT ROLLED COIL STEEL PUT OPTION	0	0	-	0	-
IRON ORE 62 CHINA TSI CALL OPTION	11,456	3,477	229.5%	9,807	16.8%
IRON ORE 62 CHINA TSI PUT OPTION	24,326	2,555	852.1%	23,050	5.5%
NYMEX PLATINUM	2,274	8,971	-74.7%	3,482	-34.7%
PALLADIUM	3,449	4,059	-15.0%	4,474	-22.9%
SHORT TERM	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SHORT TERM GOLD	0	0	-	0	-
SILVER	0	109	-100.0%	0	-
SILVER	0	20	-100.0%	0	-
SILVER	0	20	-100.0%	0	-
SILVER	0	0	-	0	-
SILVER	0	0	-	0	-
TOTAL FUTURES GROUP					
Commodities and Alternative Investments Futures	77	70	10.0%	103	-25.2%
Energy Futures	20,337,500	19,531,736	4.1%	20,400,702	-0.3%
Metals Futures	927,112	824,787	12.4%	922,849	0.5%
TOTAL FUTURES	21,264,689	20,356,593	4.5%	21,323,654	-0.3%



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest DEC 2015	Open Interest DEC 2014	% CHG	Open Interest NOV 2015	% CHG
TOTAL OPTIONS GROUP					
Energy Options	6,745,613	8,751,381	-22.9%	6,896,510	-2.2%
Metals Options	1,105,928	1,604,762	-31.1%	1,094,190	1.1%
TOTAL OPTIONS	7,851,541	10,356,143	-24.2%	7,990,700	-1.7%
TOTAL COMBINED					
Commodities and Alternative Investments	77	70	10.0%	103	-25.2%
Energy	27,083,113	28,283,117	-4.2%	27,297,212	-0.8%
Metals	2,033,040	2,429,549	-16.3%	2,017,039	0.8%
GRAND TOTAL	29,116,230	30,712,736	-5.2%	29,314,354	-0.7%