



## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME NOV 2016	VOLUME NOV 2015	% CHG	VOLUME OCT 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
<b>Commodities and Alternative Investments Futures</b>									
COCOA TAS	CJ	14	498	-97.2%	30	-53.3%	2,594	1,691	53.4%
COFFEE	KT	1	37	-97.3%	3	-66.7%	169	621	-72.8%
COTTON	TT	2	18	-88.9%	9	-77.8%	577	570	1.2%
SUGAR 11	YO	3	177	-98.3%	2	50.0%	418	1,352	-69.1%
<b>Energy Futures</b>									
CRUDE OIL PHY	CL	27,374,621	16,144,876	69.6%	23,019,383	18.9%	252,787,453	184,138,868	37.3%
CRUDE OIL	WS	3,039	32,765	-90.7%	424	616.7%	86,428	194,730	-55.6%
MINY WTI CRUDE OIL	QM	303,394	175,396	73.0%	227,921	33.1%	3,152,321	2,920,121	8.0%
BRENT OIL LAST DAY	BZ	2,534,063	1,895,268	33.7%	1,548,271	63.7%	21,614,834	24,144,262	-10.5%
HEATING OIL PHY	HO	3,518,657	2,765,883	27.2%	3,183,140	10.5%	36,071,642	33,476,909	7.8%
HTG OIL	BH	76	0	0.0%	24	216.7%	5,502	216	2,447.2%
MINY HTG OIL	QH	5	7	-28.6%	7	-28.6%	100	88	13.6%
RBOB PHY	RB	3,844,730	3,171,891	21.2%	3,413,097	12.6%	42,207,184	36,936,482	14.3%
MINY RBOB GAS	QU	4	4	0.0%	3	33.3%	49	51	-3.9%
NATURAL GAS	HP	155,285	110,285	40.8%	144,472	7.5%	1,440,746	915,674	57.3%
LTD NAT GAS	HH	247,318	267,034	-7.4%	247,472	-0.1%	2,567,442	2,578,034	-0.4%
MINY NATURAL GAS	QG	36,825	28,820	27.8%	33,276	10.7%	290,589	297,347	-2.3%
PJM MONTHLY	JM	48	120	-60.0%	0	0.0%	2,946	6,922	-57.4%
NATURAL GAS PHY	NG	9,073,260	6,236,245	45.5%	10,240,061	-11.4%	87,677,648	73,788,508	18.8%
RBOB GAS	RT	4,022	1,220	229.7%	1,396	188.1%	17,205	12,646	36.1%
3.5% FUEL OIL CID MED SWA	7D	315	61	416.4%	359	-12.3%	2,965	587	405.1%
3.5% FUEL OIL CIF BALMO S	8D	30	10	200.0%	67	-55.2%	307	153	100.7%
AEP-DAYTON HUB DAILY	VD	0	0	0.0%	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	VM	0	0	0.0%	0	0.0%	240	662	-63.7%
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	0.0%	0	0.0%	0	942	-100.0%
ALGON CITY GATES NAT GAS	N7	0	0	0.0%	120	-100.0%	6,224	0	0.0%
ALGONQUIN CITYGATES BASIS	B4	56	0	0.0%	527	-89.4%	8,161	1,365	497.9%
ANR LOUISIANA BASIS SWAP	ND	121	0	0.0%	0	0.0%	121	2,996	-96.0%
ANR OKLAHOMA	NE	302	2,872	-89.5%	886	-65.9%	4,787	10,542	-54.6%
APPALACHIAN COAL (PHY)	QL	0	25	-100.0%	0	0.0%	130	2,581	-95.0%
ARGUS LLS VS. WTI (ARG) T	E5	11,132	8,568	29.9%	9,147	21.7%	135,904	83,540	62.7%
ARGUS PROPAN FAR EST INDE	7E	1,620	716	126.3%	1,783	-9.1%	17,184	4,904	250.4%

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<b>Energy Futures</b>									
ARGUS PROPAN(SAUDI ARAMCO)	9N	648	871	-25.6%	851	-23.9%	9,518	6,239	52.6%
AUSTRIALIAN COKE COAL	ALW	542	79	586.1%	228	137.7%	4,569	1,878	143.3%
BRENT BALMO SWAP	J9	76	0	0.0%	682	-88.9%	2,043	4,754	-57.0%
BRENT CALENDAR SWAP	CY	419	2,617	-84.0%	1,000	-58.1%	19,421	57,187	-66.0%
BRENT CFD(PLATTS) VS FRNT	1C	0	0	0.0%	0	-	0	0	0.0%
BRENT CFD SWAP	6W	0	0	0.0%	0	0.0%	0	950	-100.0%
BRENT FINANCIAL FUTURES	BB	0	1,973	-100.0%	500	-100.0%	2,902	70,269	-95.9%
BRENT FINANCIAL FUTURES	MBC	0	33	-100.0%	0	0.0%	1,424	33	4,215.2%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	105	-100.0%	2,513	330	661.5%
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 MW P	9X	0	0	-	17,930	-100.0%	17,930	0	-
CAISO SP15 EZGNHUB5 PEAK	9Z	0	0	-	0	-	0	0	-
CANADIAN LIGHT SWEET OIL	CIL	630	795	-20.8%	1,125	-44.0%	20,460	11,214	82.5%
CARBON EUA EMISSIONS EURO	RC	0	0	0.0%	0	-	0	0	0.0%
CENTERPOINT BASIS SWAP	PW	0	1,935	-100.0%	214	-100.0%	13,180	21,159	-37.7%
CENTERPOINT EAST INDEX	II	0	0	0.0%	0	0.0%	740	677	9.3%
CENTER POINT NAT GAS FIXED PRICE	DAC	0	0	0.0%	0	0.0%	0	32	-100.0%
CHICAGO ETHANOL SWAP	CU	140,457	52,356	168.3%	100,099	40.3%	1,147,184	936,696	22.5%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	0	60	-100.0%	132	-100.0%	2,738	4,105	-33.3%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0.0%	2,090	345	505.8%
CIG BASIS	CI	3,461	6,765	-48.8%	3,212	7.8%	81,620	27,193	200.2%
CIG ROCKIES NG INDEX SWA	Z8	0	0	-	0	0.0%	1,054	0	-
CINERGY HUB OFF-PEAK MONT	EJ	0	0	0.0%	0	0.0%	60	630	-90.5%
CINERGY HUB PEAK MONTH	EM	0	0	0.0%	0	0.0%	0	40	-100.0%
CIN HUB 5MW D AH O PK	K2	23,480	0	0.0%	0	0.0%	322,440	178,560	80.6%
CIN HUB 5MW D AH PK	H5	218	306	-28.8%	222	-1.8%	20,978	9,597	118.6%
CIN HUB 5MW REAL TIME O P	H4	59,040	117,240	-49.6%	4,000	1,376.0%	1,053,024	760,192	38.5%
CIN HUB 5MW REAL TIME PK	H3	870	2,550	-65.9%	640	35.9%	66,431	19,199	246.0%
COAL SWAP	ACM	400	80	400.0%	170	135.3%	3,023	3,365	-10.2%
COAL SWAP	SSI	0	115	-100.0%	0	0.0%	187	3,077	-93.9%
COLUMB GULF MAINLINE NG B	5Z	121	1,743	-93.1%	214	-43.5%	22,041	24,577	-10.3%
COLUMBIA GULF MAIN NAT G	L2	0	1,829	-100.0%	0	0.0%	2,208	2,449	-9.8%
COLUMBIA GULF NAT GAS FIXED PRICE	DCE	0	0	0.0%	0	0.0%	0	488	-100.0%
COLUMBIA GULF ONSHORE	GL	0	248	-100.0%	0	0.0%	3,108	3,692	-15.8%

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CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	30	154	-80.5%	0	0.0%	1,691	725	133.2%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	51	105	-51.4%	25	104.0%	2,595	1,964	32.1%
CONWAY PROPANE 5 DECIMALS SWAP	8K	7,882	5,131	53.6%	10,594	-25.6%	80,240	50,057	60.3%
CRUDE OIL	CHB	0	0	-	0	0.0%	60	0	-
CRUDE OIL	LPS	5,373	3,362	59.8%	4,105	30.9%	53,993	26,636	102.7%
CRUDE OIL LAST DAY	26	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	37	0	0	-	0	0.0%	0	0	-
CRUDE OIL OUTRIGHTS	42	30	89	-66.3%	0	0.0%	1,011	11,806	-91.4%
CRUDE OIL OUTRIGHTS	CSW	565	0	-	540	4.6%	2,185	0	-
CRUDE OIL OUTRIGHTS	DBL	0	2,080	-100.0%	200	-100.0%	850	30,692	-97.2%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0.0%	0	235	-100.0%
CRUDE OIL OUTRIGHTS	GSW	80	0	-	0	0.0%	170	0	-
CRUDE OIL OUTRIGHTS	HTT	2,025	0	-	2,630	-23.0%	23,148	0	-
CRUDE OIL OUTRIGHTS	WCC	1,845	3,675	-49.8%	5,220	-64.7%	51,719	61,143	-15.4%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL SPRDS	38	0	0	0.0%	250	-100.0%	675	300	125.0%
CRUDE OIL SPRDS	KE	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL SPRDS	WTT	6,005	1,085	453.5%	15,885	-62.2%	43,617	6,392	582.4%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	AOR	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	IDO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	NOC	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PAP	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PEO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PNO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PNP	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PWO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PWP	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	WOR	0	0	0.0%	0	0.0%	2,720	0	0.0%
DAILY PJM	ZAO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZGO	0	0	0.0%	0	0.0%	0	8,020	-100.0%
DAILY PJM	ZJO	0	0	0.0%	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	0.0%	0	0.0%	200	23,657	-99.2%
DATED TO FRONTLINE BRENT	FY	5,525	4,555	21.3%	2,550	116.7%	20,585	32,845	-37.3%
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	0.0%	800	0	0.0%
DEMARC SWING SWAP	DT	0	0	-	0	0.0%	62	0	-

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DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0.0%	125	10	1,150.0%
DIESEL 10PPM BARGES FOB B	U7	0	0	0.0%	0	-	0	0	0.0%
DIESEL10PPM BARG VS ICE LS	LSE	0	0	0.0%	0	0.0%	0	0	0.0%
DLY GAS EURO-BOB OXY	GBR	0	0	-	0	0.0%	60	0	-
DOMINION TRAN INC - APP I	IH	31	401	-92.3%	2,640	-98.8%	20,026	2,561	682.0%
DOMINION TRANSMISSION INC	PG	12,618	8,425	49.8%	29,119	-56.7%	223,898	72,373	209.4%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0.0%	275	100	175.0%
DUBAI CRUDE OIL CALENDAR	DC	5,148	5,139	0.2%	2,003	157.0%	23,667	44,024	-46.2%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	0.0%	0	840	-100.0%
EASTERN RAIL DELIVERY CSX	QX	1,425	720	97.9%	1,080	31.9%	14,167	39,496	-64.1%
EAST/WEST FUEL OIL SPREAD	EW	47	8	487.5%	45	4.4%	368	2,344	-84.3%
EIA FLAT TAX ONHWAY DIESE	A5	134	87	54.0%	554	-75.8%	10,672	8,247	29.4%
ELEC ERCOT DLY OFF PK	R4	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	I7	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	I9	0	0	0.0%	0	-	0	0	0.0%
ELEC ERCOT DLY PEAK	N1	0	205	-100.0%	0	0.0%	0	1,170	-100.0%
ELEC ERCOT DLY PEAK	R1	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	ERU	0	0	0.0%	0	-	0	0	0.0%
ELEC ERCOT OFF PEAK	O1	0	0	0.0%	0	0.0%	0	17,565	-100.0%
ELEC FINSETTLED	47	0	1,534	-100.0%	0	0.0%	1,270	1,534	-17.2%
ELEC FINSETTLED	49	0	0	0.0%	0	0.0%	0	1,275	-100.0%
ELEC MISO PEAK	4L	0	0	0.0%	0	0.0%	0	1,530	-100.0%
ELEC MISO PEAK	55	0	0	0.0%	0	0.0%	0	2,036	-100.0%
ELEC NYISO OFF-PEAK	4M	0	0	0.0%	0	0.0%	0	5,796	-100.0%
ELEC NYISO OFF-PEAK	58	0	0	0.0%	0	0.0%	0	37,600	-100.0%
ELECTRICITY ERCOT PEAK	ERE	0	0	0.0%	0	-	0	0	0.0%
ELECTRICITY OFF PEAK	46	0	28,064	-100.0%	0	0.0%	23,480	28,064	-16.3%
ELECTRICITY OFF PEAK	4P	0	0	0.0%	0	0.0%	0	11,680	-100.0%
ELECTRICITY OFF PEAK	50	0	0	0.0%	0	0.0%	0	23,520	-100.0%
ELEC WEST POWER OFF-PEAK	MDA	0	0	-	1,840	-100.0%	1,840	0	-
ELEC WEST POWER PEAK	MDC	0	0	-	5,390	-100.0%	5,390	0	-
EL PASO PERMIAN INDEX SWA	IL	0	0	-	0	0.0%	1,612	0	-
EMMISSIONS	CPL	0	250	-100.0%	0	0.0%	0	500	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	0	0	0.0%	0	0.0%	4,280	24,093	-82.2%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	205	-100.0%	0	0.0%	235	2,796	-91.6%

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ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	5,504	2,307	138.6%	2,565	114.6%	27,748	28,685	-3.3%
EU LOW SULPHUR GASOIL CRACK	LSC	0	0	0.0%	0	0.0%	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	KX	10	15	-33.3%	5	100.0%	235	131	79.4%
EURO 3.5% FUEL OIL M CRK	FL	0	0	0.0%	0	-	0	0	0.0%
EURO 3.5% FUEL OIL RDAM B	KR	395	318	24.2%	294	34.4%	3,695	6,143	-39.9%
EURO 3.5% FUEL OIL SPREAD	FK	2,859	790	261.9%	826	246.1%	8,813	9,921	-11.2%
EURO-DENOMINATED PETRO PROD	IBE	0	0	0.0%	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO PROD	MFE	0	0	0.0%	0	-	0	0	0.0%
EURO-DENOMINATED PETRO PROD	NCP	198	250	-20.8%	0	0.0%	356	2,677	-86.7%
EURO GASOIL 10 CAL SWAP	GT	0	5	-100.0%	0	0.0%	3	11	-72.7%
EURO GASOIL 10PPM VS ICE	ET	15	52	-71.2%	0	0.0%	694	960	-27.7%
EUROPE 1% FUEL OIL NWE CA	UF	13	141	-90.8%	102	-87.3%	1,470	1,775	-17.2%
EUROPE 1% FUEL OIL RDAM C	UH	0	6	-100.0%	0	0.0%	134	166	-19.3%
EUROPE 3.5% FUEL OIL MED	UI	530	85	523.5%	388	36.6%	4,063	1,101	269.0%
EUROPE 3.5% FUEL OIL RDAM	UV	10,529	6,126	71.9%	10,188	3.3%	79,158	93,930	-15.7%
EUROPEAN GASOIL (ICE)	7F	11,141	224,103	-95.0%	6,938	60.6%	1,563,008	423,233	269.3%
EUROPEAN NAPHTHA BALMO	KZ	273	46	493.5%	258	5.8%	1,970	933	111.1%
EUROPEAN NAPHTHA CRACK SPR	EN	10,537	2,254	367.5%	7,677	37.3%	62,816	74,804	-16.0%
EUROPE DATED BRENT SWAP	UB	50	1,600	-96.9%	0	0.0%	26,638	39,030	-31.7%
EUROPE JET KERO NWE CALSW	UJ	0	0	0.0%	0	0.0%	38	494	-92.3%
EUROPE NAPHTHA CALSWAP	UN	2,267	543	317.5%	1,847	22.7%	17,100	14,011	22.0%
EURO PROPANE CIF ARA SWA	PS	1,685	382	341.1%	1,653	1.9%	14,689	4,229	247.3%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	-	0	0.0%	8,310	0	-
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	0.0%	5,449	14,510	-62.4%
FREIGHT MARKETS	FLP	304	172	76.7%	188	61.7%	2,289	736	211.0%
FREIGHT MARKETS	FRC	0	0	0.0%	0	-	0	0	0.0%
FUEL OIL CRACK VS ICE	FO	4,666	5,770	-19.1%	2,662	75.3%	48,488	41,867	15.8%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	32	306	-89.5%
FUEL OIL (PLATS) CAR CM	1W	8	0	0.0%	5	60.0%	1,129	264	327.7%
FUEL OIL (PLATS) CAR CN	1X	0	30	-100.0%	0	0.0%	54	206	-73.8%
FUELOIL SWAP:CARGOES VS.B	FS	625	148	322.3%	109	473.4%	3,839	4,458	-13.9%
GAS EURO-BOB OXY NWE BARGES	7H	8,423	5,038	67.2%	5,906	42.6%	77,099	74,223	3.9%
GAS EURO-BOB OXY NWE BARGES CRK	7K	17,515	14,884	17.7%	11,574	51.3%	158,205	181,327	-12.8%
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	0.0%	0	0.0%	6	10	-40.0%
GASOIL 0.1 CARGOES CIF NE	TW	0	0	0.0%	0	0.0%	0	10	-100.0%
GASOIL 0.1 CIF MED BALMO	X6	0	0	0.0%	0	0.0%	0	5	-100.0%

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<b>Energy Futures</b>									
GASOIL 0.1 CIF MED SWAP	Z4	20	30	-33.3%	0	0.0%	95	50	90.0%
GASOIL 0.1CIF MED VS ICE	Z5	5	40	-87.5%	0	0.0%	195	171	14.0%
GASOIL 0.1 CIF NWE VS ISE	TU	15	0	0.0%	25	-40.0%	50	266	-81.2%
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	0.0%	0	0.0%	5	0	0.0%
GASOIL 0.1 CRG CIF NW VS	4V	0	0	0.0%	0	0.0%	5	10	-50.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	73	-100.0%	60	-100.0%	120	168	-28.6%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	5	-100.0%	30	10	200.0%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	0.0%	15	50	-70.0%
GASOIL 10PPM CARGOES CIF	TY	0	0	0.0%	0	0.0%	3	30	-90.0%
GASOIL 10PPM VS ICE SWAP	TP	9	7	28.6%	5	80.0%	904	1,425	-36.6%
GASOIL BULLET SWAP	BG	0	0	0.0%	0	-	0	0	0.0%
GASOIL CALENDAR SWAP	GX	15	18	-16.7%	0	0.0%	329	234	40.6%
GASOIL CRACK SPREAD CALEN	GZ	6,089	2,811	116.6%	3,420	78.0%	56,073	37,777	48.4%
GASOIL MINI CALENDAR SWAP	QA	226	208	8.7%	240	-5.8%	2,635	3,216	-18.1%
GASOLINE UP-DOWN (ARGUS)	UZ	0	0	0.0%	0	-	0	0	0.0%
GASOLINE UP-DOWN BALMO SW	1K	0	235	-100.0%	0	0.0%	810	5,895	-86.3%
GC ULSD VS GC JET SPREAD	VV	0	0	0.0%	0	0.0%	0	0	0.0%
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	0	0.0%	300	200	50.0%
GRP THREE ULSD(PLT)VS HEA	A6	2,365	3,590	-34.1%	4,750	-50.2%	30,408	42,041	-27.7%
GRP THREE UNL GS (PLT) VS	A8	530	1,825	-71.0%	3,470	-84.7%	16,420	16,867	-2.7%
GULF COAST 3% FUEL OIL BA	VZ	1,784	833	114.2%	633	181.8%	8,671	11,936	-27.4%
GULF COAST GASOLINE CLNDR	GS	0	300	-100.0%	0	0.0%	1,300	6,065	-78.6%
GULF COAST JET FUEL CLNDR	GE	126	90	40.0%	342	-63.2%	1,803	3,668	-50.8%
GULF COAST JET VS NYM 2 H	ME	25,749	11,554	122.9%	31,728	-18.8%	353,130	234,612	50.5%
GULF COAST NO.6 FUEL OIL	MF	55,765	48,874	14.1%	58,934	-5.4%	630,780	748,879	-15.8%
GULF COAST NO.6 FUEL OIL	MG	2,782	250	1,012.8%	882	215.4%	9,648	16,830	-42.7%
GULF COAST ULSD CALENDAR	LY	299	151	98.0%	816	-63.4%	9,227	7,684	20.1%
GULF COAST ULSD CRACK SPR	GY	0	0	0.0%	725	-100.0%	6,881	3,375	103.9%
HEATING OIL BALMO CLNDR S	1G	19	100	-81.0%	125	-84.8%	479	1,754	-72.7%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	0.0%	20	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%	0	0	0.0%
HEATING OIL VS ICE GASOIL	HA	0	0	0.0%	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	9,813	6,730	45.8%	7,270	35.0%	198,550	140,289	41.5%
HENRY HUB INDEX SWAP FUTU	IN	8,806	6,823	29.1%	6,360	38.5%	179,440	103,502	73.4%
HENRY HUB SWAP	NN	407,413	371,757	9.6%	467,330	-12.8%	4,643,856	4,894,775	-5.1%
HENRY HUB SWING FUTURE	SN	0	0	0.0%	0	0.0%	290	1,200	-75.8%

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<b>Energy Futures</b>									
HOUSTON SHIP CHANNEL BASI	NH	0	6,273	-100.0%	2,036	-100.0%	30,400	44,228	-31.3%
HOUSTON SHIP CHANNEL INDE	IP	0	0	0.0%	0	0.0%	186	180	3.3%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	0.0%	0	0.0%	0	4,073	-100.0%
ICE BRENT DUBAI SWAP	DB	6,573	150	4,282.0%	7,400	-11.2%	22,081	9,710	127.4%
ICE GASOIL BALMO SWAP	U9	0	0	0.0%	0	-	0	0	0.0%
IN DELIVERY MONTH EUA	6T	4,490	0	0.0%	5,200	-13.7%	35,991	100,253	-64.1%
INDIANA MISO	FAD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FDM	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FTM	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PDD	0	0	0.0%	0	0.0%	112	0	0.0%
INDIANA MISO	PDM	0	0	0.0%	0	0.0%	0	2,240	-100.0%
INDIANA MISO	PTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PTM	0	0	0.0%	0	0.0%	0	0	0.0%
INDONESIAN COAL	MCC	0	140	-100.0%	0	0.0%	220	1,745	-87.4%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0.0%	20	20	0.0%
JAPAN C&F NAPHTHA CRACK S	JB	153	367	-58.3%	407	-62.4%	4,371	3,140	39.2%
JAPAN C&F NAPHTHA SWAP	JA	1,472	837	75.9%	1,053	39.8%	13,805	11,062	24.8%
JAPAN NAPHTHA BALMO SWAP	E6	30	0	0.0%	5	500.0%	405	481	-15.8%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	25	-100.0%	0	0.0%	172	238	-27.7%
JET BARGES VS ICE GASOIL	JR	0	0	0.0%	0	0.0%	22	15	46.7%
JET CIF NWE VS ICE	JC	0	25	-100.0%	5	-100.0%	790	1,114	-29.1%
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	0.0%	2	40	-95.0%
JET FUEL CARGOES CIF NEW	F3	0	0	0.0%	0	-	0	0	0.0%
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	0	0.0%	30	47	-36.2%
JET FUEL UP-DOWN BALMO CL	1M	6,650	7,100	-6.3%	7,916	-16.0%	49,055	34,687	41.4%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	52	-100.0%	52	234	-77.8%
LA CARB DIESEL (OPIS) SWA	KL	100	25	300.0%	625	-84.0%	7,277	7,041	3.4%
LA CARBOB GASOLINE(OPIS)S	JL	0	200	-100.0%	0	0.0%	5,950	5,425	9.7%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	10	-100.0%	810	490	65.3%
LA JET (OPIS) SWAP	JS	900	475	89.5%	1,925	-53.2%	21,212	10,235	107.2%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	0.0%	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	2,872	5,404	-46.9%	3,860	-25.6%	66,943	106,240	-37.0%
MARS (ARGUS) VS WTI SWAP	YX	6,939	7,958	-12.8%	3,904	77.7%	47,761	68,843	-30.6%
MARS (ARGUS) VS WTI TRD M	YV	7,851	1,173	569.3%	19,076	-58.8%	125,898	16,598	658.5%

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<b>Energy Futures</b>									
MARS BLEND CRUDE OIL	MB	2,832	0	-	50	5,564.0%	18,856	0	-
MCCLOSKEY ARA ARGS COAL	MTF	104,385	194,985	-46.5%	114,162	-8.6%	1,744,224	1,996,925	-12.7%
MCCLOSKEY RCH BAY COAL	MFF	12,728	28,598	-55.5%	12,564	1.3%	182,660	263,656	-30.7%
MGF FUT	MGF	0	0	0.0%	0	0.0%	100	86	16.3%
MGN1 SWAP FUT	MGN	122	190	-35.8%	67	82.1%	1,549	1,688	-8.2%
MICHCON NG INDEX SWAP	Y8	0	0	-	360	-100.0%	2,200	0	-
MICHIGAN BASIS	NF	1,610	1,095	47.0%	2,412	-33.3%	26,373	6,554	302.4%
MICHIGAN HUB OFF-PEAK MON	HJ	0	0	0.0%	0	-	0	0	0.0%
MICHIGAN HUB PEAK MONTH S	HM	0	0	0.0%	0	-	0	0	0.0%
MICHIGAN MISO	HMO	0	0	0.0%	0	0.0%	127,640	121,440	5.1%
MICHIGAN MISO	HMW	0	0	0.0%	0	0.0%	7,240	6,795	6.5%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	503	128	293.0%	387	30.0%	4,739	3,245	46.0%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	1,405	280	401.8%	220	538.6%	3,841	4,753	-19.2%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	2,988	1,172	154.9%	2,381	25.5%	17,186	7,812	120.0%
MISO 5MW OFF PEAK	4R	0	0	0.0%	0	-	0	0	0.0%
MISO 5MW PEAK	4Q	0	0	0.0%	0	-	0	0	0.0%
MJB FUT	MJB	0	0	0.0%	0	0.0%	0	10	-100.0%
MJC FUT	MJC	20	50	-60.0%	50	-60.0%	895	660	35.6%
MNC FUT	MNC	4,970	4,028	23.4%	3,149	57.8%	43,793	46,954	-6.7%
MONT BELVIEU ETHANE 5 DECIMAL	C0	50,880	4,410	1,053.7%	79,895	-36.3%	539,175	74,467	624.0%
MONT BELVIEU ETHANE OPIS BALMO	8C	75	0	0.0%	425	-82.4%	1,545	2,675	-42.2%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	101,228	70,222	44.2%	132,519	-23.6%	1,259,659	532,882	136.4%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	603	675	-10.7%	1,489	-59.5%	9,785	7,363	32.9%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	6,686	4,727	41.4%	5,139	30.1%	86,896	60,478	43.7%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	20	110	-81.8%	25	-20.0%	1,781	4,050	-56.0%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	35,273	20,209	74.5%	37,717	-6.5%	307,038	191,212	60.6%
MONT BELVIEU NORMAL BUTANE BALMO	8J	357	202	76.7%	323	10.5%	6,475	5,131	26.2%
NAT GAS BASIS SWAP	SGW	0	0	0.0%	0	0.0%	0	40	-100.0%
NAT GAS BASIS SWAP	TZ6	1,898	0	0.0%	3,210	-40.9%	37,208	5,234	610.9%
NATURAL GAS	HBI	0	0	-	3,540	-100.0%	3,540	0	-
NATURAL GAS	XAC	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS	XSC	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	CFS	0	0	0.0%	0	0.0%	0	3,416	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	0	0	0.0%	0	0.0%	0	6,452	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	0	0	0.0%	0	0.0%	0	1,464	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	0	0	0.0%	0	0.0%	0	496	-100.0%

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<b>Energy Futures</b>									
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	0	0	0.0%	0	0.0%	0	572	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	Z5P	0	0	0.0%	0	0.0%	0	448	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	0	0	0.0%	0	0.0%	0	84	-100.0%
NATURAL GAS INDEX	TZI	0	0	0.0%	0	0.0%	6,702	0	0.0%
NATURAL GAS PEN SWP	NP	145,941	148,063	-1.4%	104,281	39.9%	1,228,616	1,994,207	-38.4%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0.0%	11,925	0	0.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0.0%	635	0	0.0%
NEPOOL INTR HUB 5MW D AH	H2	28,690	67,738	-57.6%	28,690	0.0%	511,929	319,140	60.4%
NEPOOL INTR HUB 5MW D AH	U6	255	2,268	-88.8%	11,695	-97.8%	44,360	19,558	126.8%
NEPOOL MAINE 5MW D AH O E	W2	0	0	0.0%	0	-	0	0	0.0%
NEPOOL MAINE 5MW D AH PK	P9	0	0	0.0%	0	-	0	0	0.0%
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	0	0.0%	0	3,920	-100.0%
NEPOOL NE MASS 5MW D AH P	P7	0	0	0.0%	0	0.0%	640	1,385	-53.8%
NEPOOL NEW HAMP 5MW D AH	U2	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL NEW HAMP 5MW D AH	U3	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	U4	0	1,408	-100.0%	0	0.0%	0	10,949	-100.0%
NEPOOL RHODE IL 5MW D AH	U5	0	26,898	-100.0%	0	0.0%	0	109,503	-100.0%
NEPOOL SE MASS 5MW D AH O	P5	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH P	P4	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D A	L9	0	15,520	-100.0%	0	0.0%	4,000	44,368	-91.0%
NEPOOL W CNTR M 5MW D AH	R6	0	860	-100.0%	0	0.0%	1,685	1,700	-0.9%
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	2,140	1,075	99.1%	1,235	73.3%	17,005	11,215	51.6%
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	JN	0	0	0.0%	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	NL	372	310	20.0%	260	43.1%	30,002	43,763	-31.4%
NGPL MIDCONTINENT INDEX	IW	0	0	0.0%	180	-100.0%	7,841	300	2,513.7%
NGPL MIDCONTINENT SWING S	PX	0	0	-	0	0.0%	620	0	-
NGPL TEX/OK	PD	3,028	3,031	-0.1%	860	252.1%	31,992	80,490	-60.3%
NGPL TEXOK INDEX	OI	0	0	0.0%	0	0.0%	360	1,146	-68.6%
NGPL TEXOK SWING SWAP	OX	0	0	0.0%	0	-	0	0	0.0%
N ILLINOIS HUB DAILY	UD	0	0	0.0%	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	UM	0	0	0.0%	0	0.0%	0	70	-100.0%
NO 2 UP-DOWN SPREAD CALEN	UT	100	675	-85.2%	0	0.0%	2,662	3,884	-31.5%
NORTHEN NATURAL GAS DEMAR	PE	54	124	-56.5%	1,762	-96.9%	3,989	5,593	-28.7%
NORTHEN NATURAL GAS VENTU	PF	481	0	0.0%	1,344	-64.2%	9,216	4,962	85.7%

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<b>Energy Futures</b>									
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	0.0%	0	102	-100.0%
NORTHWEST ROCKIES BASIS S	NR	23,699	17,330	36.8%	11,706	102.5%	181,112	109,855	64.9%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0.0%	0	991	-100.0%
NY1% VS GC SPREAD SWAP	VR	2,590	2,050	26.3%	2,630	-1.5%	26,248	25,419	3.3%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	0.0%	489	640	-23.6%
NY 3.0% FUEL OIL (PLATTS	H1	175	450	-61.1%	625	-72.0%	2,300	4,195	-45.2%
NY HARBOR 1% FUEL OIL BAL	VK	0	34	-100.0%	0	0.0%	101	531	-81.0%
NY HARBOR HEAT OIL SWP	MP	1,602	2,166	-26.0%	897	78.6%	24,296	49,699	-51.1%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	0.0%	75	-100.0%	5,031	4,042	24.5%
NY HARBOR LOW SULPUR GASOIL 1000MT	SLS	0	0	0.0%	0	-	0	0	0.0%
NY HARBOR RESIDUAL FUEL 1	MM	2,036	5,469	-62.8%	4,207	-51.6%	37,490	55,172	-32.0%
NY HARBOR RESIDUAL FUEL C	ML	0	0	0.0%	0	0.0%	0	100	-100.0%
NYH NO 2 CRACK SPREAD CAL	HK	1,670	66	2,430.3%	5,005	-66.6%	21,772	25,160	-13.5%
NY H OIL PLATTS VS NYMEX	YH	0	0	0.0%	0	0.0%	0	976	-100.0%
NYISO A	KA	0	0	0.0%	0	0.0%	0	982	-100.0%
NYISO A OFF-PEAK	KB	0	0	0.0%	0	0.0%	0	440	-100.0%
NYISO CAPACITY	LHV	138	0	-	0	0.0%	306	0	-
NYISO CAPACITY	NNC	132	899	-85.3%	96	37.5%	1,905	3,359	-43.3%
NYISO CAPACITY	NRS	150	444	-66.2%	112	33.9%	2,323	4,834	-51.9%
NYISO G	KG	0	0	0.0%	0	0.0%	0	471	-100.0%
NYISO G OFF-PEAK	KH	0	0	0.0%	0	0.0%	0	190	-100.0%
NYISO J	KJ	0	509	-100.0%	0	0.0%	172	3,220	-94.7%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0.0%	80	580	-86.2%
NYISO ZONE A 5MW D AH O P	K4	0	54,016	-100.0%	0	0.0%	239,365	419,096	-42.9%
NYISO ZONE A 5MW D AH PK	K3	2,960	440	572.7%	0	0.0%	6,560	17,286	-62.1%
NYISO ZONE C 5MW D AH O P	A3	0	0	0.0%	0	0.0%	54,290	0	0.0%
NYISO ZONE C 5MW D AH PK	Q5	0	0	0.0%	0	0.0%	1,512	0	0.0%
NYISO ZONE G 5MW D AH O P	D2	38,600	3,920	884.7%	21,175	82.3%	444,481	244,208	82.0%
NYISO ZONE G 5MW D AH PK	T3	1,280	1,275	0.4%	1,695	-24.5%	34,668	32,764	5.8%
NYISO ZONE J 5MW D AH O P	D4	38,600	0	0.0%	44,575	-13.4%	195,471	56,034	248.8%
NYISO ZONE J 5MW D AH PK	D3	860	0	0.0%	3,180	-73.0%	14,431	9,071	59.1%
NY JET FUEL (ARGUS) VS HEATING OIL	5U	0	0	0.0%	0	-	0	0	0.0%
NY JET FUEL (PLATTS) HEAT OIL SWAP	1U	0	0	0.0%	0	0.0%	0	1,745	-100.0%
NYMEX ALUMINUM FUTURES	AN	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	UY	0	75	-100.0%	0	0.0%	0	1,188	-100.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	394	1,275	-69.1%	55	616.4%	7,859	31,013	-74.7%

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<b>Energy Futures</b>									
ONEOK OKLAHOMA NG BASIS	8X	346	0	0.0%	0	0.0%	1,411	2,261	-37.6%
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0.0%	160	0	0.0%
ONTARIO POWER SWAPS	OFM	0	18,816	-100.0%	0	0.0%	3,750	159,856	-97.7%
ONTARIO POWER SWAPS	OPD	20	45	-55.6%	85	-76.5%	490	315	55.6%
ONTARIO POWER SWAPS	OPM	0	990	-100.0%	0	0.0%	440	8,990	-95.1%
PANHANDLE BASIS SWAP FUTU	PH	9,056	3,473	160.8%	8,156	11.0%	95,318	124,161	-23.2%
PANHANDLE INDEX SWAP FUTU	IV	0	496	-100.0%	0	0.0%	3,472	2,514	38.1%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0.0%	0	314	-100.0%
PERMIAN BASIS SWAP	PM	16,424	3,908	320.3%	6,391	157.0%	61,222	22,026	178.0%
PETROCHEMICALS	22	89	39	128.2%	47	89.4%	554	333	66.4%
PETROCHEMICALS	32	65	55	18.2%	65	0.0%	666	495	34.5%
PETROCHEMICALS	51	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	81	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	8I	300	735	-59.2%	604	-50.3%	2,822	5,213	-45.9%
PETROCHEMICALS	91	143	32	346.9%	179	-20.1%	1,825	278	556.5%
PETROCHEMICALS	HPE	0	0	0.0%	0	0.0%	48	58	-17.2%
PETROCHEMICALS	LPE	0	0	0.0%	0	0.0%	0	76	-100.0%
PETROCHEMICALS	MAC	0	0	-	0	0.0%	110	0	-
PETROCHEMICALS	MAE	0	20	-100.0%	60	-100.0%	445	240	85.4%
PETROCHEMICALS	MAS	0	60	-100.0%	30	-100.0%	990	345	187.0%
PETROCHEMICALS	MBE	1,380	2,290	-39.7%	2,580	-46.5%	30,680	20,155	52.2%
PETROCHEMICALS	MNB	1,697	1,128	50.4%	964	76.0%	21,347	14,979	42.5%
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0.0%	1,050	612	71.6%
PETRO CRCKS & SPRDS ASIA	STR	0	330	-100.0%	0	0.0%	64	760	-91.6%
PETRO CRCKS & SPRDS ASIA	STS	150	0	0.0%	0	0.0%	230	318	-27.7%
PETRO CRCKS & SPRDS NA	CBA	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	CRB	20	200	-90.0%	150	-86.7%	1,209	2,643	-54.3%
PETRO CRCKS & SPRDS NA	EXR	3,440	652	427.6%	1,788	92.4%	18,063	12,489	44.6%
PETRO CRCKS & SPRDS NA	FOC	1,150	1,325	-13.2%	900	27.8%	11,155	5,415	106.0%
PETRO CRCKS & SPRDS NA	GBB	250	0	0.0%	300	-16.7%	2,640	50	5,180.0%
PETRO CRCKS & SPRDS NA	GCC	475	0	-	375	26.7%	2,500	0	-
PETRO CRCKS & SPRDS NA	GCI	1,919	759	152.8%	2,157	-11.0%	13,487	11,690	15.4%
PETRO CRCKS & SPRDS NA	GCM	0	0	-	0	0.0%	66	0	-
PETRO CRCKS & SPRDS NA	GCU	8,730	3,780	131.0%	8,442	3.4%	81,365	124,120	-34.4%
PETRO CRCKS & SPRDS NA	GFC	250	0	0.0%	0	0.0%	379	100	279.0%
PETRO CRCKS & SPRDS NA	HOB	455	1,228	-62.9%	485	-6.2%	35,364	37,350	-5.3%

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<b>Energy Futures</b>									
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	0.0%	0	390	-100.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	0.0%	30	0	-
PETRO CRCKS & SPRDS NA	NFC	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	220	-100.0%	1,008	200	404.0%
PETRO CRCKS & SPRDS NA	NYF	0	200	-100.0%	0	0.0%	490	2,300	-78.7%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	150	-100.0%	450	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	13,296	11,530	15.3%	13,301	0.0%	115,250	115,463	-0.2%
PETRO CRCKS & SPRDS NA	RVG	15,510	550	2,720.0%	6,457	140.2%	98,378	3,015	3,163.0%
PETRO CRCKS & SPRDS NA	SF3	30	0	-	0	0.0%	64	0	-
PETRO CRK&SPRD EURO	1NB	1,293	442	192.5%	1,050	23.1%	17,687	17,472	1.2%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO CRK&SPRD EURO	43	7	49	-85.7%	610	-98.9%	2,156	3,708	-41.9%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	0	170	-100.0%
PETRO CRK&SPRD EURO	BOB	5,655	1,457	288.1%	3,606	56.8%	27,463	18,730	46.6%
PETRO CRK&SPRD EURO	EBF	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	EOB	0	21	-100.0%	6	-100.0%	97	383	-74.7%
PETRO CRK&SPRD EURO	EPN	435	55	690.9%	266	63.5%	2,908	525	453.9%
PETRO CRK&SPRD EURO	EVC	4,370	612	614.1%	3,196	36.7%	21,125	15,732	34.3%
PETRO CRK&SPRD EURO	FBT	0	130	-100.0%	0	0.0%	480	660	-27.3%
PETRO CRK&SPRD EURO	FVB	0	11	-100.0%	0	0.0%	0	31	-100.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	345	-100.0%	1,130	1,158	-2.4%
PETRO CRK&SPRD EURO	GOC	30	30	0.0%	0	0.0%	129	674	-80.9%
PETRO CRK&SPRD EURO	GRB	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	GRS	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	LSU	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	40	-100.0%	40	434	-90.8%
PETRO CRK&SPRD EURO	MUD	32	0	0.0%	47	-31.9%	1,231	802	53.5%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	10	-100.0%	198	56	253.6%
PETRO CRK&SPRD EURO	NOB	1,078	270	299.3%	541	99.3%	5,908	2,096	181.9%
PETRO CRK&SPRD EURO	NYG	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	50	-100.0%	165	15	1,000.0%
PETRO CRK&SPRD EURO	SFC	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	D43	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D44	0	0	0.0%	0	0.0%	0	34	-100.0%
PETROLEUM PRODUCTS	D45	0	0	0.0%	0	0.0%	0	58	-100.0%
PETROLEUM PRODUCTS	D46	0	0	-	0	0.0%	30	0	-

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<b>Energy Futures</b>									
PETROLEUM PRODUCTS	D63	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	D64	0	0	0.0%	0	0.0%	0	209	-100.0%
PETROLEUM PRODUCTS	D65	0	0	0.0%	0	0.0%	0	140	-100.0%
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	0.0%	0	25	-100.0%
PETROLEUM PRODUCTS	EWG	6,693	12	55,675.0%	6,062	10.4%	18,652	18	103,522.2%
PETROLEUM PRODUCTS	MBS	0	0	-	8	-100.0%	559	0	-
PETROLEUM PRODUCTS	MHE	0	0	-	0	0.0%	30	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	0.0%	1,363	0	-
PETROLEUM PRODUCTS	RMG	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	RMK	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	VU	129	0	0.0%	1,172	-89.0%	3,727	1,144	225.8%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0.0%	467	812	-42.5%
PETROLEUM PRODUCTS ASIA	MJN	1,733	1,310	32.3%	1,854	-6.5%	14,678	17,385	-15.6%
PETRO OUTFRIGHT EURO	0A	0	0	0.0%	0	0.0%	0	90	-100.0%
PETRO OUTFRIGHT EURO	0B	50	120	-58.3%	70	-28.6%	1,420	1,034	37.3%
PETRO OUTFRIGHT EURO	0C	20	90	-77.8%	0	0.0%	221	213	3.8%
PETRO OUTFRIGHT EURO	0D	4,713	5,402	-12.8%	5,019	-6.1%	44,700	47,846	-6.6%
PETRO OUTFRIGHT EURO	0E	1,446	580	149.3%	1,270	13.9%	10,909	4,988	118.7%
PETRO OUTFRIGHT EURO	0F	1,335	798	67.3%	1,993	-33.0%	14,031	10,154	38.2%
PETRO OUTFRIGHT EURO	1T	0	0	0.0%	0	0.0%	20	85	-76.5%
PETRO OUTFRIGHT EURO	33	12	15	-20.0%	60	-80.0%	351	618	-43.2%
PETRO OUTFRIGHT EURO	59	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	5L	307	45	582.2%	240	27.9%	2,159	1,175	83.7%
PETRO OUTFRIGHT EURO	63	160	128	25.0%	128	25.0%	1,605	1,057	51.8%
PETRO OUTFRIGHT EURO	6L	0	0	0.0%	0	0.0%	0	16	-100.0%
PETRO OUTFRIGHT EURO	7I	0	279	-100.0%	114	-100.0%	1,513	1,992	-24.0%
PETRO OUTFRIGHT EURO	7P	0	0	0.0%	0	0.0%	0	40	-100.0%
PETRO OUTFRIGHT EURO	7R	539	160	236.9%	323	66.9%	3,280	2,879	13.9%
PETRO OUTFRIGHT EURO	88	0	52	-100.0%	0	0.0%	55	295	-81.4%
PETRO OUTFRIGHT EURO	CBB	30	0	0.0%	0	-	30	0	0.0%
PETRO OUTFRIGHT EURO	CGB	0	0	0.0%	0	0.0%	6	30	-80.0%
PETRO OUTFRIGHT EURO	CPB	423	52	713.5%	58	629.3%	1,422	506	181.0%
PETRO OUTFRIGHT EURO	EFF	33	10	230.0%	85	-61.2%	534	169	216.0%
PETRO OUTFRIGHT EURO	EFM	8	0	0.0%	25	-68.0%	673	455	47.9%
PETRO OUTFRIGHT EURO	ENS	10	45	-77.8%	40	-75.0%	1,171	653	79.3%
PETRO OUTFRIGHT EURO	EWN	349	55	534.5%	77	353.2%	2,070	1,028	101.4%

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<b>Energy Futures</b>									
PETRO OUTFRIGHT EURO	FBD	20	0	0.0%	0	0.0%	40	121	-66.9%
PETRO OUTFRIGHT EURO	MBB	0	0	0.0%	0	0.0%	84	245	-65.7%
PETRO OUTFRIGHT EURO	MBN	901	938	-3.9%	1,690	-46.7%	16,268	12,199	33.4%
PETRO OUTFRIGHT EURO	RBF	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	SMU	0	0	0.0%	100	-100.0%	340	600	-43.3%
PETRO OUTFRIGHT EURO	T0	0	61	-100.0%	909	-100.0%	1,328	1,911	-30.5%
PETRO OUTFRIGHT EURO	ULB	0	0	0.0%	0	0.0%	490	1,550	-68.4%
PETRO OUTFRIGHT EURO	V0	135	0	0.0%	105	28.6%	240	2,794	-91.4%
PETRO OUTFRIGHT EURO	W0	0	0	0.0%	0	0.0%	50	0	0.0%
PETRO OUTFRIGHT EURO	X0	0	0	0.0%	0	0.0%	150	698	-78.5%
PETRO OUTFRIGHT EURO	Y0	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO OUTFRIGHT NA	5Y	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT NA	DBB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT NA	FCB	64	431	-85.2%	1,358	-95.3%	2,662	2,974	-10.5%
PETRO OUTFRIGHT NA	FOB	0	0	0.0%	0	0.0%	0	10	-100.0%
PETRO OUTFRIGHT NA	FOM	0	0	0.0%	5	-100.0%	8	62	-87.1%
PETRO OUTFRIGHT NA	GBA	0	0	-	0	0.0%	8	0	-
PETRO OUTFRIGHT NA	GUD	0	0	-	0	0.0%	13	0	-
PETRO OUTFRIGHT NA	JE	0	240	-100.0%	0	0.0%	439	455	-3.5%
PETRO OUTFRIGHT NA	JET	10,203	1,750	483.0%	9,570	6.6%	55,908	14,245	292.5%
PETRO OUTFRIGHT NA	MBL	91	0	0.0%	0	0.0%	325	746	-56.4%
PETRO OUTFRIGHT NA	MEN	669	376	77.9%	448	49.3%	6,948	6,893	0.8%
PETRO OUTFRIGHT NA	MEO	9,904	8,051	23.0%	11,723	-15.5%	112,771	90,724	24.3%
PETRO OUTFRIGHT NA	MFD	33	160	-79.4%	158	-79.1%	1,091	835	30.7%
PETRO OUTFRIGHT NA	MMF	290	269	7.8%	338	-14.2%	1,876	1,769	6.0%
PETRO OUTFRIGHT NA	NYB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT NA	NYT	125	0	0.0%	0	0.0%	225	25	800.0%
PETRO OUTFRIGHT NA	XER	0	0	0.0%	0	0.0%	0	90	-100.0%
PGE&E CITYGATE	PC	0	0	0.0%	0	-	0	0	0.0%
PJM AD HUB 5MW REAL TIME	V3	22,800	168,272	-86.5%	50,650	-55.0%	1,270,058	1,533,998	-17.2%
PJM AD HUB 5MW REAL TIME	Z9	4,240	28,245	-85.0%	5,335	-20.5%	104,554	104,549	0.0%
PJM AECO DA OFF-PEAK	X1	0	0	0.0%	0	0.0%	0	0	0.0%
PJM AECO DA PEAK	Y1	0	0	0.0%	0	0.0%	0	132	-100.0%
PJM APS ZONE DA OFF-PEAK	W4	0	0	0.0%	0	0.0%	0	0	0.0%
PJM APS ZONE DA PEAK	S4	0	0	0.0%	0	0.0%	0	0	0.0%
PJM ATSI ELEC	MOD	27,690	0	0.0%	0	0.0%	33,695	23,400	44.0%

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<b>Energy Futures</b>									
PJM ATSI ELEC	MPD	1,480	0	0.0%	0	0.0%	1,795	1,275	40.8%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0.0%	23,400	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0.0%	1,275	0	0.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0.0%	257,480	84,325	205.3%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0.0%	14,650	7,150	104.9%
PJM DAILY	JD	0	0	0.0%	0	0.0%	1,300	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	27,690	54,880	-49.5%	0	0.0%	55,000	168,188	-67.3%
PJM DAYTON DA PEAK	D7	1,480	3,310	-55.3%	0	0.0%	23,423	12,650	85.2%
PJM DPL DA OFF-PEAK	E8	0	0	0.0%	0	-	0	0	0.0%
PJM DPL DA PEAK	L8	0	0	0.0%	0	-	0	0	0.0%
PJM DUQUESNE 5MW D AH PK	D5	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DUQUS 5MW D AH O PK	D6	0	0	0.0%	0	0.0%	0	0	0.0%
PJM EASTERNH DA PEAK	E9	0	0	0.0%	0	-	0	0	0.0%
PJM JCPL DA OFF-PEAK	F2	0	0	0.0%	0	0.0%	0	15,360	-100.0%
PJM JCPL DA PEAK	J2	0	0	0.0%	0	0.0%	0	650	-100.0%
PJM NI HUB 5MW REAL TIME	B3	5,285	18,189	-70.9%	3,390	55.9%	75,314	63,052	19.4%
PJM NI HUB 5MW REAL TIME	B6	262,195	131,360	99.6%	124,760	110.2%	1,912,897	1,775,980	7.7%
PJM NILL DA OFF-PEAK	L3	190,515	59,478	220.3%	8,965	2,025.1%	1,074,692	482,780	122.6%
PJM NILL DA PEAK	N3	3,825	2,777	37.7%	191	1,902.6%	47,480	22,504	111.0%
PJM OFF-PEAK LMP SWAP FUT	JP	0	120	-100.0%	0	0.0%	140	1,864	-92.5%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	0.0%	0	0.0%	0	650	-100.0%
PJM PEPKO DA OFF-PEAK	Q8	0	0	0.0%	0	0.0%	0	7,440	-100.0%
PJM PEPKO DA PEAK	R8	0	0	0.0%	0	-	0	0	0.0%
PJM PPL DA OFF-PEAK	F5	0	0	0.0%	0	0.0%	0	61,152	-100.0%
PJM PPL DA PEAK	L5	0	0	0.0%	0	0.0%	0	3,315	-100.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0.0%	163,800	1,960	8,257.1%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0.0%	5,100	110	4,536.4%
PJM WES HUB PEAK LMP 50 M	4S	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	59,104	-100.0%	0	0.0%	825,010	748,996	10.1%
PJM WESTHDA PEAK	J4	0	2,824	-100.0%	0	0.0%	45,673	39,599	15.3%
PJM WESTH RT OFF-PEAK	N9	93,200	332,200	-71.9%	257,880	-63.9%	6,185,140	3,172,060	95.0%
PJM WESTH RT PEAK	L1	35,499	30,967	14.6%	35,729	-0.6%	616,215	217,211	183.7%
PLASTICS	PGP	1,520	120	1,166.7%	452	236.3%	4,879	10,535	-53.7%
PLASTICS	PPP	0	0	0.0%	0	-	0	0	0.0%
PREMIUM UNLD 10P FOB MED	3G	164	142	15.5%	46	256.5%	2,791	3,124	-10.7%
PREMIUM UNLD 10PPM CARGOE	4G	0	0	0.0%	0	-	0	0	0.0%

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Commodity	VOLUME NOV 2016	VOLUME NOV 2015	% CHG	VOLUME OCT 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG	
<b>Energy Futures</b>									
PREMIUM UNLEAD 10PPM FOB	8G	5	0	0.0%	61	-91.8%	359	698	-48.6%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	0.0%	0	0.0%	7	84	-91.7%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	35	-100.0%	1	-100.0%	274	295	-7.1%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	112	936	-88.0%	388	-71.1%	5,847	2,513	132.7%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	17,903	12,692	41.1%	15,764	13.6%	126,702	86,150	47.1%
RBOB CALENDAR SWAP	RL	6,207	9,679	-35.9%	6,884	-9.8%	73,277	73,955	-0.9%
RBOB CRACK SPREAD	RM	550	1,140	-51.8%	1,800	-69.4%	15,325	11,179	37.1%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	0	0.0%	350	30	1,066.7%
RBOB GASOLINE BALMO CLNDR	1D	1,501	1,697	-11.5%	245	512.7%	8,497	11,754	-27.7%
RBOB PHY	RBL	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB (PLATTS) CAL SWAP	RY	297	0	-	0	-	297	0	-
RBOB SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0.0%	0	92	-100.0%
RBOB UP-DOWN CALENDAR SWA	RV	0	11,493	-100.0%	0	0.0%	9,203	112,848	-91.8%
RBOB VS HEATING OIL SWAP	RH	1,758	750	134.4%	915	92.1%	17,530	10,075	74.0%
ROCKIES KERN OPAL - NW IN	IR	0	0	0.0%	0	0.0%	1,046	1,880	-44.4%
SAN JUAN BASIS SWAP	NJ	6,677	4,787	39.5%	8,849	-24.5%	75,958	24,685	207.7%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE 180CST BALMO	BS	24	51	-52.9%	42	-42.9%	555	435	27.6%
SINGAPORE 380CST BALMO	BT	402	121	232.2%	25	1,508.0%	1,759	1,246	41.2%
SINGAPORE 380CST FUEL OIL	SE	13,863	5,648	145.4%	8,769	58.1%	88,748	57,813	53.5%
SINGAPORE FUEL 180CST CAL	UA	1,319	1,022	29.1%	1,294	1.9%	12,703	21,215	-40.1%
SINGAPORE FUEL OIL SPREAD	SD	1,263	343	268.2%	881	43.4%	7,287	5,422	34.4%
SINGAPORE GASOIL	MTB	585	50	1,070.0%	82	613.4%	2,727	1,344	102.9%
SINGAPORE GASOIL	MTS	4,778	2,966	61.1%	3,847	24.2%	42,339	27,705	52.8%
SINGAPORE GASOIL	STF	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE GASOIL	STL	0	0	0.0%	0	0.0%	100	150	-33.3%
SINGAPORE GASOIL	STZ	0	250	-100.0%	0	0.0%	180	250	-28.0%
SINGAPORE GASOIL CALENDAR	MSG	0	0	0.0%	6	-100.0%	573	6,868	-91.7%
SINGAPORE GASOIL SWAP	SG	10,497	1,918	447.3%	15,248	-31.2%	69,362	26,065	166.1%
SINGAPORE GASOIL VS ICE	GA	13,686	150	9,024.0%	4,505	203.8%	36,839	6,000	514.0%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0.0%	156	550	-71.6%
SINGAPORE JET KERO GASOIL	RK	1,390	100	1,290.0%	925	50.3%	9,765	3,620	169.8%
SINGAPORE JET KEROSENE SW	KS	1,077	832	29.4%	868	24.1%	7,575	15,484	-51.1%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	0	0.0%	50	-100.0%	50	50	0.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	1,761	175	906.3%	874	101.5%	5,578	3,408	63.7%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	25,558	8,042	217.8%	20,123	27.0%	107,948	72,166	49.6%

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<b>Energy Futures</b>									
SINGAPORE NAPHTHA BALMO	KU	0	0	0.0%	0	0.0%	20	0	0.0%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	0.0%	0	1,175	-100.0%
SING FUEL	MSD	35	0	0.0%	0	0.0%	65	10	550.0%
SOCAL BASIS SWAP	NS	0	0	0.0%	0	0.0%	0	96	-100.0%
SOCAL PIPE SWAP	XN	0	0	0.0%	0	0.0%	5,864	488	1,101.6%
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	0	0.0%	368	14,718	-97.5%
SOUTHERN NAT LA NAT GAS	M8	0	0	0.0%	0	0.0%	612	4,280	-85.7%
SOUTH STAR TEX OKLHM KNS	8Z	90	732	-87.7%	400	-77.5%	2,292	7,255	-68.4%
Sumas Basis Swap	NK	2,423	552	338.9%	759	219.2%	18,059	13,981	29.2%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	0.0%	0	0.0%	0	2,893	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	0.0%	0	13	-100.0%
TC5 RAS TANURA TO YOKOHAM	TH	0	0	0.0%	0	0.0%	15	30	-50.0%
TCO BASIS SWAP	TC	604	1,377	-56.1%	2,440	-75.2%	33,676	35,804	-5.9%
TCO NG INDEX SWAP	Q1	0	0	0.0%	240	-100.0%	240	3,904	-93.9%
TD3 MEG TO JAPAN 250K MT	TL	0	0	0.0%	0	-	0	0	0.0%
TENN 800 LEG NAT GAS INDE	L4	0	279	-100.0%	0	0.0%	1,285	2,373	-45.8%
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	0.0%	1,630	5,526	-70.5%
TENNESSEE 500 LEG NG INDE	Y7	0	0	0.0%	0	-	0	0	0.0%
TENNESSEE 500 LEG NG SWIN	T7	0	0	0.0%	0	-	0	0	0.0%
TENNESSEE 800 LEG NG BASI	6Z	0	0	0.0%	0	0.0%	1,526	3,908	-61.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	0	0.0%	3,028	604	401.3%
Tetco ELA Basis	TE	0	0	0.0%	0	0.0%	0	1,360	-100.0%
TETCO M-3 INDEX	IX	0	0	0.0%	240	-100.0%	8,365	6,784	23.3%
Tetco STX Basis	TX	0	365	-100.0%	0	0.0%	1,611	4,669	-65.5%
TEXAS EASTERN ZONE M-3 BA	NX	3,126	1,870	67.2%	6,885	-54.6%	83,168	20,799	299.9%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0.0%	248	16,156	-98.5%
TRANSCO ZONE 1 NG BASIS	8E	0	0	0.0%	0	0.0%	0	368	-100.0%
Transco Zone 3 Basis	CZ	0	0	0.0%	240	-100.0%	1,032	6,975	-85.2%
TRANSCO ZONE4 BASIS SWAP	TR	4,256	1,760	141.8%	1,474	188.7%	23,738	70,019	-66.1%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	0.0%	1,457	930	56.7%
TRANSCO ZONE 6 BASIS SWAP	NZ	1,863	213	774.6%	1,618	15.1%	13,968	10,238	36.4%
TRANSCO ZONE 6 INDEX	IT	0	0	0.0%	240	-100.0%	6,742	76	8,771.1%
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	0	0.0%	0	0.0%	0	122	-100.0%
UCM FUT	UCM	15	0	0.0%	7	114.3%	343	578	-40.7%
ULSD 10PPM CIF MED BALMO	X7	0	0	-	0	0.0%	38	0	-
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	0.0%	45	0	0.0%

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<b>Energy Futures</b>									
ULSD 10PPM CIF MED VS ICE	Z7	15	128	-88.3%	0	0.0%	180	909	-80.2%
ULSD 10PPM CIF NW BALMO S	B1	0	0	0.0%	0	-	0	0	0.0%
ULSD 10PPM CIF VS ICE GAS	7V	0	0	0.0%	0	0.0%	35	25	40.0%
ULSD UP-DOWN BALMO SWP	1L	8,558	6,935	23.4%	4,845	76.6%	66,008	37,293	77.0%
UP DOWN GC ULSD VS NMX HO	LT	53,661	47,287	13.5%	52,340	2.5%	583,452	448,570	30.1%
USGC UNL 87 CRACK SPREAD	RU	0	675	-100.0%	0	0.0%	175	3,350	-94.8%
VENTURA NAT GAS PLATTS FIXED PRICE	DVA	0	0	0.0%	0	0.0%	0	44	-100.0%
WAHA BASIS	NW	1,825	2,258	-19.2%	1,730	5.5%	44,649	33,243	34.3%
WAHA INDEX SWAP FUTURE	IY	0	1,712	-100.0%	60	-100.0%	8,728	1,712	409.8%
WESTERN RAIL DELIVERY PRB	QP	0	2,385	-100.0%	600	-100.0%	9,237	25,650	-64.0%
WTI-BRENT BULLET SWAP	BY	500	0	0.0%	0	0.0%	500	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	11,672	16,685	-30.0%	8,007	45.8%	127,716	251,861	-49.3%
WTI CALENDAR	CS	33,473	20,736	61.4%	37,016	-9.6%	334,789	383,221	-12.6%
WTS (ARGUS) VS WTI SWAP	FF	3,720	3,600	3.3%	15,354	-75.8%	42,110	59,120	-28.8%
WTS (ARGUS) VS WTI TRD MT	FH	500	150	233.3%	1,002	-50.1%	12,208	18,991	-35.7%
<b>Energy Options</b>									
1 MO GASOIL CAL SWAP SPR	GXA	0	0	0.0%	0	0.0%	0	100	-100.0%
APPALACHIAN COAL	6K	0	0	0.0%	0	0.0%	0	40	-100.0%
BRENT 1 MONTH CAL	AA	0	0	0.0%	0	-	0	0	0.0%
BRENT CALENDAR SWAP	BA	105	1,113	-90.6%	1,800	-94.2%	13,533	151,117	-91.0%
BRENT OIL LAST DAY	BE	7,000	1,166	500.3%	100	6,900.0%	43,890	51,764	-15.2%
BRENT OIL LAST DAY	BZO	39,304	0	-	41,977	-6.4%	234,098	0	-
BRENT OIL LAST DAY	OS	0	1,982	-100.0%	4	-100.0%	12,234	54,889	-77.7%
COAL API2 INDEX	CLA	1,759	4,275	-58.9%	1,590	10.6%	54,003	61,073	-11.6%
COAL API2 INDEX	CQA	0	12,675	-100.0%	0	0.0%	101,734	94,567	7.6%
COAL API2 INDEX	MTC	0	0	0.0%	0	0.0%	150	151	-0.7%
COAL API4 INDEX	RLA	0	0	0.0%	50	-100.0%	100	1,400	-92.9%
COAL API4 INDEX	RQA	60	0	0.0%	100	-40.0%	1,540	600	156.7%
COAL SWAP	CPF	0	0	0.0%	0	0.0%	585	730	-19.9%
COAL SWAP	RPF	0	1,360	-100.0%	0	0.0%	1,086	3,830	-71.6%
CRUDE OIL 1MO	WA	254,917	140,525	81.4%	232,064	9.8%	2,778,286	2,236,032	24.3%
CRUDE OIL APO	AO	21,270	23,940	-11.2%	51,678	-58.8%	324,771	708,765	-54.2%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	AH	0	16,000	-100.0%	0	0.0%	2,290	16,600	-86.2%



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<b>Energy Options</b>									
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	0.0%	0	900	-100.0%
CRUDE OIL PHY	CD	1,950	2,200	-11.4%	3,400	-42.6%	37,725	17,800	111.9%
CRUDE OIL PHY	LC	14,052	58,673	-76.1%	11,587	21.3%	311,691	474,802	-34.4%
CRUDE OIL PHY	LO	5,072,423	2,776,673	82.7%	3,161,971	60.4%	41,950,808	36,309,306	15.5%
CRUDE OIL PHY	LO1	22,350	3,664	510.0%	5,660	294.9%	77,050	43,775	76.0%
CRUDE OIL PHY	LO2	4,228	3,612	17.1%	3,774	12.0%	44,546	32,820	35.7%
CRUDE OIL PHY	LO3	4,101	1,136	261.0%	5,429	-24.5%	31,915	22,805	39.9%
CRUDE OIL PHY	LO4	5,365	1,168	359.3%	5,411	-0.9%	50,353	26,949	86.8%
CRUDE OIL PHY	LO5	0	0	0.0%	0	0.0%	25,135	15,318	64.1%
DAILY CRUDE OIL	DNM	0	0	0.0%	0	0.0%	0	8,000	-100.0%
ELEC FINSETTLED	PML	0	0	0.0%	10	-100.0%	264	39	576.9%
ELEC MISO PEAK	9T	0	2,540	-100.0%	840	-100.0%	3,420	2,540	34.6%
ELEC MISO PEAK	OEM	0	0	0.0%	0	-	0	0	0.0%
ELECTRICITY OFF PEAK	N9P	0	0	0.0%	0	0.0%	0	0	0.0%
ETHANOL	CE1	0	0	-	0	0.0%	25	0	-
ETHANOL	CE3	0	0	-	0	0.0%	25	0	-
ETHANOL SWAP	CVR	9,160	4,237	116.2%	9,338	-1.9%	73,411	67,195	9.3%
ETHANOL SWAP	GVR	210	150	40.0%	600	-65.0%	3,668	3,934	-6.8%
EURO-DENOMINATED PETRO PROD	EFB	0	0	0.0%	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO PROD	NWE	0	0	0.0%	0	0.0%	0	15	-100.0%
EUROPEAN JET KEROSENE NWE (PLATTS) A	30	0	0	0.0%	0	0.0%	60	0	0.0%
GASOIL CRACK SPREAD AVG PRICE OPTION	3U	0	0	0.0%	0	0.0%	0	0	0.0%
GASOLINE	GCE	0	0	0.0%	0	0.0%	872	125	597.6%
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	-	0	0.0%	300	0	-
HEATING OIL PHY	LB	167	301	-44.5%	505	-66.9%	3,995	5,098	-21.6%
HEATING OIL PHY	OH	57,831	39,306	47.1%	36,860	56.9%	570,949	543,190	5.1%
HENRY HUB FINANCIAL LAST	E7	3,175	1,206	163.3%	1,961	61.9%	23,531	22,003	6.9%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	200	-100.0%	5,900	3,500	68.6%
HUSTN SHIP CHNL PIPE SWP	PK	0	364	-100.0%	0	0.0%	0	3,724	-100.0%
ISO NEW ENGLAND PK LMP	OE	0	0	0.0%	0	-	0	0	0.0%
LLS CRUDE OIL	WJO	0	4,080	-100.0%	0	0.0%	11,730	4,080	187.5%
MCCLOSKEY ARA ARGS COAL	MTO	0	5,200	-100.0%	240	-100.0%	9,505	8,995	5.7%
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	100	-100.0%	2,485	1,875	32.5%
NATURAL GAS	G10	0	0	-	0	0.0%	500	0	-
NATURAL GAS 12 M CSO FIN	G7	0	500	-100.0%	0	0.0%	0	2,200	-100.0%
NATURAL GAS 1 M CSO FIN	G4	32,990	21,200	55.6%	35,465	-7.0%	114,084	254,934	-55.2%

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Commodity		VOLUME NOV 2016	VOLUME NOV 2015	% CHG	VOLUME OCT 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
<b>Energy Options</b>									
NATURAL GAS 2 M CSO FIN	G2	680	1,000	-32.0%	2,175	-68.7%	4,055	4,950	-18.1%
NATURAL GAS 3 M CSO FIN	G3	100	1,150	-91.3%	200	-50.0%	227,532	65,445	247.7%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0.0%	1,200	2,700	-55.6%
NATURAL GAS 6 M CSO FIN	G6	3,600	1,000	260.0%	1,500	140.0%	9,200	46,900	-80.4%
NATURAL GAS OPTION ON CALENDAR STRP	6J	6,900	540	1,177.8%	2,800	146.4%	25,708	12,140	111.8%
NATURAL GAS PHY	KD	28,821	25,986	10.9%	31,610	-8.8%	348,962	241,770	44.3%
NATURAL GAS PHY	LN	2,240,243	2,016,414	11.1%	1,995,328	12.3%	21,533,328	17,265,471	24.7%
NATURAL GAS PHY	ON	358,780	320,379	12.0%	312,453	14.8%	3,114,048	2,643,492	17.8%
NATURAL GAS PHY	ON1	0	0	0.0%	0	0.0%	2	0	0.0%
NATURAL GAS PHY	ON2	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS PHY	ON3	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS PHY	ON4	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS PHY	ON5	0	0	0.0%	0	0.0%	0	25	-100.0%
NATURAL GAS SUMMER STRIP	4D	0	0	0.0%	0	-	0	0	0.0%
NG HH 3 MONTH CAL	IC	0	0	-	0	0.0%	500	0	-
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	630	-100.0%	6,540	6,429	1.7%
NY HARBOR HEAT OIL SWP	AT	3,280	10,633	-69.2%	5,746	-42.9%	60,743	146,605	-58.6%
NYISO ZONE G 5MW PEAK OPTIONS	9U	10,740	0	0.0%	0	0.0%	11,160	550	1,929.1%
NYMEX EUROPEAN GASOIL APO	F7	0	0	0.0%	30	-100.0%	30	1,462	-97.9%
NYMEX EUROPEAN GASOIL OPT	F8	0	0	0.0%	0	0.0%	0	260	-100.0%
PETROCHEMICALS	4H	205	395	-48.1%	125	64.0%	11,226	13,221	-15.1%
PETROCHEMICALS	4I	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	4J	420	150	180.0%	365	15.1%	6,305	1,840	242.7%
PETROCHEMICALS	4K	0	0	0.0%	180	-100.0%	1,560	0	0.0%
PETROCHEMICALS	CPR	0	0	0.0%	25	-100.0%	520	14	3,614.3%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0.0%	0	180	-100.0%
PGE CITYGATE PIPE SWAP	CW	0	0	0.0%	0	0.0%	0	0	0.0%
PJM CALENDAR STRIP	6O	0	20	-100.0%	0	0.0%	0	1,640	-100.0%
PJM ELECTRIC	6OO	0	0	0.0%	0	0.0%	0	0	0.0%
PJM MONTHLY	JO	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	340	0	0.0%	160	112.5%	1,090	200	445.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	0.0%	10,300	0	-
PJM WES HUB PEAK LMP 50MW	PMA	2,644	0	-	80	3,205.0%	11,935	0	-
RBOB 1MO CAL SPD OPTIONS	ZA	1,800	0	0.0%	6,650	-72.9%	11,850	0	0.0%
RBOB CALENDAR SWAP	RA	0	600	-100.0%	336	-100.0%	6,585	18,959	-65.3%
RBOB PHY	OB	23,038	22,708	1.5%	12,433	85.3%	380,078	321,061	18.4%

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## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME NOV 2016	VOLUME NOV 2015	% CHG	VOLUME OCT 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
<b>Energy Options</b>									
RBOB PHY	RF	40	0	0.0%	0	0.0%	60	5,400	-98.9%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	10	-100.0%	0	0.0%	520	615	-15.4%
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	540	-100.0%	9,108	4,732	92.5%
SHORT TERM	U11	955	0	0.0%	0	0.0%	3,205	3,060	4.7%
SHORT TERM	U12	0	125	-100.0%	200	-100.0%	3,730	2,065	80.6%
SHORT TERM	U13	0	950	-100.0%	500	-100.0%	4,261	2,535	68.1%
SHORT TERM	U14	450	0	0.0%	150	200.0%	5,225	1,600	226.6%
SHORT TERM	U15	300	0	0.0%	0	0.0%	3,425	2,625	30.5%
SHORT TERM	U22	530	0	0.0%	0	0.0%	3,805	1,460	160.6%
SHORT TERM	U23	500	130	284.6%	0	0.0%	2,180	2,390	-8.8%
SHORT TERM	U24	0	0	0.0%	300	-100.0%	2,080	2,105	-1.2%
SHORT TERM	U25	0	50	-100.0%	0	0.0%	505	1,000	-49.5%
SHORT TERM	U26	0	0	0.0%	0	0.0%	1,580	1,075	47.0%
SHORT TERM CRUDE OIL	C02	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM CRUDE OIL	C05	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM NATURAL GAS	U01	650	200	225.0%	1,000	-35.0%	5,025	1,855	170.9%
SHORT TERM NATURAL GAS	U02	700	0	0.0%	0	0.0%	4,200	5,138	-18.3%
SHORT TERM NATURAL GAS	U03	1,450	0	0.0%	0	0.0%	3,070	2,700	13.7%
SHORT TERM NATURAL GAS	U04	625	300	108.3%	275	127.3%	5,000	1,675	198.5%
SHORT TERM NATURAL GAS	U05	0	1,350	-100.0%	0	0.0%	2,725	2,200	23.9%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	400	-100.0%	2,905	2,325	24.9%
SHORT TERM NATURAL GAS	U07	1,000	0	0.0%	300	233.3%	4,800	2,220	116.2%
SHORT TERM NATURAL GAS	U08	100	0	0.0%	0	0.0%	3,322	1,975	68.2%
SHORT TERM NATURAL GAS	U09	600	1,125	-46.7%	0	0.0%	5,442	4,831	12.6%
SHORT TERM NATURAL GAS	U10	500	50	900.0%	100	400.0%	4,595	2,900	58.4%
SHORT TERM NATURAL GAS	U16	250	200	25.0%	0	0.0%	3,860	2,725	41.7%
SHORT TERM NATURAL GAS	U17	450	0	0.0%	0	0.0%	1,405	1,185	18.6%
SHORT TERM NATURAL GAS	U18	200	0	0.0%	50	300.0%	3,055	825	270.3%
SHORT TERM NATURAL GAS	U19	0	50	-100.0%	150	-100.0%	1,530	3,170	-51.7%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	50	-100.0%	1,430	1,730	-17.3%
SHORT TERM NATURAL GAS	U21	750	0	0.0%	450	66.7%	1,875	2,200	-14.8%
SHORT TERM NATURAL GAS	U27	0	200	-100.0%	150	-100.0%	1,050	1,225	-14.3%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	650	-100.0%	3,925	450	772.2%
SHORT TERM NATURAL GAS	U29	450	0	0.0%	0	0.0%	3,175	1,600	98.4%
SHORT TERM NATURAL GAS	U30	750	0	0.0%	0	0.0%	1,700	3,875	-56.1%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	275	-100.0%	1,125	250	350.0%

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Commodity		VOLUME NOV 2016	VOLUME NOV 2015	% CHG	VOLUME OCT 2016	% CHG	VOLUME Y.T.D 2016	VOLUME Y.T.D 2015	% CHG
<b>Energy Options</b>									
SINGAPORE FUEL OIL 180 CS	C5	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE GASOIL CALENDAR	M2	0	0	0.0%	0	0.0%	0	300	-100.0%
SINGAPORE JET FUEL CALENDAR	N2	480	0	0.0%	480	0.0%	960	1,500	-36.0%
SOCAL PIPE SWAP	ZN	0	0	0.0%	0	0.0%	11,200	0	0.0%
WTI 12 MONTH CALENDAR OPT	WZ	0	0	0.0%	0	0.0%	0	2,000	-100.0%
WTI 6 MONTH CALENDAR OPTI	WM	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT BULLET SWAP	BV	6,850	25,950	-73.6%	13,000	-47.3%	180,050	244,990	-26.5%
WTI CRUDE OIL 12 M CSO F	7Z	0	0	0.0%	0	-	0	0	0.0%
WTI CRUDE OIL 1 M CSO FI	7A	248,192	150,175	65.3%	107,600	130.7%	1,678,515	1,772,820	-5.3%
<b>Metals Futures</b>									
COMEX GOLD	GC	7,108,687	4,033,977	76.2%	3,815,035	86.3%	54,043,268	39,112,101	38.2%
NYMEX HOT ROLLED STEEL	HR	2,623	5,405	-51.5%	5,836	-55.1%	51,167	55,621	-8.0%
NYMEX PLATINUM	PL	360,457	261,514	37.8%	302,621	19.1%	3,570,900	3,232,433	10.5%
PALLADIUM	PA	198,537	162,382	22.3%	113,977	74.2%	1,344,639	1,277,470	5.3%
URANIUM	UX	2	0	0.0%	600	-99.7%	7,295	3,350	117.8%
COMEX SILVER	SI	2,214,364	1,291,748	71.4%	1,327,617	66.8%	17,083,211	12,589,531	35.7%
COMEX E-Mini GOLD	QO	17,592	6,330	177.9%	6,890	155.3%	122,924	62,522	96.6%
E-MINI SILVER	6Q	0	0	0.0%	0	-	0	0	0.0%
COMEX E-Mini SILVER	QI	1,695	787	115.4%	1,033	64.1%	13,974	9,300	50.3%
COMEX COPPER	HG	3,531,273	1,843,645	91.5%	1,498,598	135.6%	20,090,768	15,936,845	26.1%
COMEX MINY COPPER	QC	1,073	770	39.4%	239	349.0%	6,116	8,788	-30.4%
Aluminium MW Trans Prem Platts	AUP	9,840	2,978	230.4%	3,079	219.6%	66,403	34,456	92.7%
ALUMINUM	A38	0	0	-	16	-100.0%	87	0	-
ALUMINUM	AEP	2,085	2,040	2.2%	1,440	44.8%	12,664	3,304	283.3%
ALUMINUM	ALA	0	0	-	60	-100.0%	60	0	-
ALUMINUM	ALI	1,134	502	125.9%	1,030	10.1%	7,773	3,589	116.6%
ALUMINUM	EDP	2,420	0	-	2,070	16.9%	9,409	0	-
ALUMINUM	MJP	1,740	0	-	1,080	61.1%	8,343	0	-
COPPER	HGS	400	246	62.6%	40	900.0%	3,816	6,440	-40.7%
E-MICRO GOLD	MGC	96,161	42,679	125.3%	52,304	83.9%	917,670	355,839	157.9%
FERROUS PRODUCTS	BUS	160	0	0.0%	30	433.3%	972	558	74.2%
FERROUS PRODUCTS	SSF	0	0	0.0%	0	0.0%	0	0	0.0%
GOLD	GPS	2	0	-	0	-	2	0	-



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<b>Metals Futures</b>									
Gold Kilo	GCK	4,786	5,519	-13.3%	3,711	29.0%	52,432	43,740	19.9%
IRON ORE 58 CHINA TSI FUTURES	TIC	0	0	0.0%	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	46	0	0.0%	540	-91.5%	3,056	2,613	17.0%
IRON ORE 62 CHINA TSI FUTURES	TIO	26,665	17,571	51.8%	9,777	172.7%	185,593	120,882	53.5%
LNDN ZINC	ZNC	0	48	-100.0%	27	-100.0%	227	386	-41.2%
METALS	LED	0	0	-	0	0.0%	25	0	-
SILVER	SIL	11,856	6,053	95.9%	5,630	110.6%	95,462	85,365	11.8%
<b>Metals Options</b>									
COMEX COPPER	HX	4,908	4,479	9.6%	5,079	-3.4%	36,639	25,767	42.2%
COMEX GOLD	OG	1,324,732	601,123	120.4%	826,432	60.3%	9,182,040	7,022,742	30.7%
COMEX SILVER	SO	129,032	84,249	53.2%	105,337	22.5%	1,295,484	1,160,293	11.7%
COPPER	H4E	0	0	0.0%	0	0.0%	0	10	-100.0%
GOLD	OG1	1,690	894	89.0%	2,813	-39.9%	14,101	5,372	162.5%
GOLD	OG2	7,775	656	1,085.2%	1,193	551.7%	19,195	7,019	173.5%
GOLD	OG3	1,033	512	101.8%	752	37.4%	9,931	5,305	87.2%
GOLD	OG4	712	411	73.2%	1,274	-44.1%	7,116	3,193	122.9%
GOLD	OG5	0	0	0.0%	0	0.0%	2,954	1,305	126.4%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	0.0%	0	-	0	0	0.0%
HOT ROLLED COIL STEEL PUT OPTION	HRO	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	2,840	1,440	97.2%	760	273.7%	39,589	19,500	103.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	2,690	1,250	115.2%	120	2,141.7%	32,056	44,000	-27.1%
NYMEX PLATINUM	PO	3,608	4,136	-12.8%	3,700	-2.5%	47,571	55,528	-14.3%
PALLADIUM	PAO	4,581	3,300	38.8%	4,105	11.6%	37,840	42,340	-10.6%
SHORT TERM	L11	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM GOLD	L02	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM GOLD	L18	0	0	0.0%	0	-	0	0	0.0%
SILVER	SO1	199	0	0.0%	216	-7.9%	559	428	30.6%
SILVER	SO2	337	4	8,325.0%	235	43.4%	618	190	225.3%
SILVER	SO3	79	0	0.0%	180	-56.1%	543	194	179.9%
SILVER	SO4	43	0	0.0%	142	-69.7%	257	141	82.3%
SILVER	SO5	0	0	0.0%	0	0.0%	250	203	23.2%

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<b>TOTAL FUTURES GROUP</b>								
Commodities and Alternative Investments Futures	20	730	-97.3%	44	-54.5%	3,758	4,234	-11.2%
Energy Futures	49,693,688	33,683,631	47.5%	44,452,029	11.8%	483,823,636	388,726,328	24.5%
Metals Futures	13,593,598	7,684,194	76.9%	7,153,280	90.0%	97,698,256	72,945,133	33.9%
<b>TOTAL FUTURES</b>	<b>63,287,306</b>	<b>41,368,555</b>	<b>53.0%</b>	<b>51,605,353</b>	<b>22.6%</b>	<b>581,525,650</b>	<b>461,675,695</b>	<b>26.0%</b>
<b>TOTAL OPTIONS GROUP</b>								
Energy Options	8,500,780	5,711,086	48.8%	6,112,160	39.1%	74,682,327	64,152,220	16.4%
Metals Options	1,484,259	702,454	111.3%	952,338	55.9%	10,726,743	8,393,530	27.8%
<b>TOTAL OPTIONS</b>	<b>9,985,039</b>	<b>6,413,540</b>	<b>55.7%</b>	<b>7,064,498</b>	<b>41.3%</b>	<b>85,409,070</b>	<b>72,545,750</b>	<b>17.7%</b>
<b>TOTAL COMBINED</b>								
Commodities and Alternative Investments	20	730	-97.3%	44	-54.5%	3,758	4,234	-11.2%
Energy	58,194,468	39,394,717	47.7%	50,564,189	15.1%	558,505,963	452,878,548	23.3%
Metals	15,077,857	8,386,648	79.8%	8,105,618	86.0%	108,424,999	81,338,663	33.3%
<b>GRAND TOTAL</b>	<b>73,272,345</b>	<b>47,782,095</b>	<b>53.3%</b>	<b>58,669,851</b>	<b>24.9%</b>	<b>666,934,720</b>	<b>534,221,445</b>	<b>24.8%</b>