

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JAN 2017	VOLUME JAN 2016	% CHG	VOLUME DEC 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Commodities and Alternative Investments Futures									
COCOA TAS	CJ	6	349	-98.3%	13	-53.8%	6	349	-98.3%
COFFEE	KT	0	12	-100.0%	0	0.0%	0	12	-100.0%
COTTON	TT	1	19	-94.7%	1	0.0%	1	19	-94.7%
SUGAR 11	YO	14	122	-88.5%	0	0.0%	14	122	-88.5%
Energy Futures									
CRUDE OIL PHY	CL	22,429,643	21,710,311	3.3%	23,980,985	-6.5%	22,429,643	21,710,311	3.3%
CRUDE OIL	WS	12,116	20,069	-39.6%	8,500	42.5%	12,116	20,069	-39.6%
MINY WTI CRUDE OIL	QM	224,865	312,696	-28.1%	228,651	-1.7%	224,865	312,696	-28.1%
BRENT OIL LAST DAY	BZ	1,940,992	2,720,306	-28.6%	2,098,275	-7.5%	1,940,992	2,720,306	-28.6%
HEATING OIL PHY	HO	3,322,537	3,341,068	-0.6%	3,317,707	0.1%	3,322,537	3,341,068	-0.6%
HTG OIL	BH	0	0	0.0%	76	-100.0%	0	0	0.0%
MINY HTG OIL	QH	4	8	-50.0%	5	-20.0%	4	8	-50.0%
RBOB PHY	RB	3,748,501	3,362,377	11.5%	3,221,479	16.4%	3,748,501	3,362,377	11.5%
MINY RBOB GAS	QU	9	3	200.0%	2	350.0%	9	3	200.0%
NATURAL GAS	HP	136,603	100,234	36.3%	133,439	2.4%	136,603	100,234	36.3%
LTD NAT GAS	HH	293,443	234,657	25.1%	390,903	-24.9%	293,443	234,657	25.1%
MINY NATURAL GAS	QG	45,057	26,137	72.4%	48,392	-6.9%	45,057	26,137	72.4%
PJM MONTHLY	JM	0	120	-100.0%	0	0.0%	0	120	-100.0%
NATURAL GAS PHY	NG	8,858,573	6,472,905	36.9%	9,802,943	-9.6%	8,858,573	6,472,905	36.9%
RBOB GAS	RT	1,810	1,350	34.1%	2,176	-16.8%	1,810	1,350	34.1%
3.5% FUEL OIL CID MED SWA	7D	734	290	153.1%	326	125.2%	734	290	153.1%
3.5% FUEL OIL CIF BALMO S	8D	25	5	400.0%	90	-72.2%	25	5	400.0%
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%	0	0	0.0%
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	0.0%	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	N7	0	0	-	0	0.0%	0	0	-
ALGONQUIN CITYGATES BASIS	B4	0	642	-100.0%	0	0.0%	0	642	-100.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	124	-100.0%	0	0	0.0%
ANR OKLAHOMA	NE	0	1,644	-100.0%	0	0.0%	0	1,644	-100.0%
APPALACHIAN COAL (PHY)	QL	0	0	0.0%	0	0.0%	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	E5	8,974	12,589	-28.7%	8,663	3.6%	8,974	12,589	-28.7%
ARGUS PROPAN FAR EST INDE	7E	1,285	1,104	16.4%	1,035	24.2%	1,285	1,104	16.4%



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Energy Futures									
ARGUS PROPAN(SAUDI ARAMCO	9N	1,282	1,065	20.4%	596	115.1%	1,282	1,065	20.4%
AUSTRIALIAN COKE COAL	ALW	309	318	-2.8%	252	22.6%	309	318	-2.8%
BRENT BALMO SWAP	J9	25	20	25.0%	250	-90.0%	25	20	25.0%
BRENT CALENDAR SWAP	CY	3,380	274	1,133.6%	2,670	26.6%	3,380	274	1,133.6%
BRENT CFD SWAP	6W	0	0	0.0%	0	0.0%	0	0	0.0%
BRENT FINANCIAL FUTURES	BB	8,850	531	1,566.7%	192	4,509.4%	8,850	531	1,566.7%
BRENT FINANCIAL FUTURES	MBC	0	1,394	-100.0%	0	0.0%	0	1,394	-100.0%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0.0%	0	0	0.0%
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	7,940	0	-	0	0.0%	7,940	0	-
CAISO SP15 EZGNHUB5 PEAK	9Z	0	0	-	0	0.0%	0	0	-
CANADIAN LIGHT SWEET OIL	CIL	1,290	1,065	21.1%	446	189.2%	1,290	1,065	21.1%
CENTERPOINT BASIS SWAP	PW	0	634	-100.0%	0	0.0%	0	634	-100.0%
CENTERPOINT EAST INDEX	II	0	0	0.0%	0	0.0%	0	0	0.0%
CENTER POINT NAT GAS FIXED PRICE	DAC	0	0	0.0%	0	0.0%	0	0	0.0%
CHICAGO ETHANOL SWAP	CU	141,031	95,679	47.4%	175,008	-19.4%	141,031	95,679	47.4%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	265	275	-3.6%	150	76.7%	265	275	-3.6%
CHICAGO UNL GAS PL VS RBO	3C	0	1,125	-100.0%	0	0.0%	0	1,125	-100.0%
CIG BASIS	CI	0	9,279	-100.0%	519	-100.0%	0	9,279	-100.0%
CIG ROCKIES NG INDEX SWA	Z8	0	0	-	0	0.0%	0	0	-
CINERGY HUB OFF-PEAK MONT	EJ	0	0	0.0%	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	EM	0	0	0.0%	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	K2	0	74,480	-100.0%	0	0.0%	0	74,480	-100.0%
CIN HUB 5MW D AH PK	H5	1,068	5,050	-78.9%	1,164	-8.2%	1,068	5,050	-78.9%
CIN HUB 5MW REAL TIME O P	H4	18,040	293,760	-93.9%	163,440	-89.0%	18,040	293,760	-93.9%
CIN HUB 5MW REAL TIME PK	H3	10,525	15,390	-31.6%	1,790	488.0%	10,525	15,390	-31.6%
COAL SWAP	ACM	110	970	-88.7%	55	100.0%	110	970	-88.7%
COAL SWAP	SSI	0	71	-100.0%	0	0.0%	0	71	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	3,966	-100.0%	0	0.0%	0	3,966	-100.0%
COLUMBIA GULF MAIN NAT G	L2	0	0	0.0%	0	0.0%	0	0	0.0%
COLUMBIA GULF NAT GAS FIXED PRICE	DCE	0	0	0.0%	0	0.0%	0	0	0.0%
COLUMBIA GULF ONSHORE	GL	0	3,108	-100.0%	868	-100.0%	0	3,108	-100.0%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	85	126	-32.5%	0	0.0%	85	126	-32.5%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	102	75	36.0%	165	-38.2%	102	75	36.0%

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Energy Futures									
CONWAY PROPANE 5 DECIMALS SWAP	8K	10,415	4,350	139.4%	8,073	29.0%	10,415	4,350	139.4%
CRUDE OIL	CHB	0	0	-	0	0.0%	0	0	-
CRUDE OIL	LPS	4,814	3,615	33.2%	3,922	22.7%	4,814	3,615	33.2%
CRUDE OIL OUTRIGHTS	37	0	0	-	0	0.0%	0	0	-
CRUDE OIL OUTRIGHTS	42	85	14	507.1%	184	-53.8%	85	14	507.1%
CRUDE OIL OUTRIGHTS	CSW	270	0	-	120	125.0%	270	0	-
CRUDE OIL OUTRIGHTS	DBL	400	0	0.0%	0	0.0%	400	0	0.0%
CRUDE OIL OUTRIGHTS	FE	100	0	0.0%	0	0.0%	100	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	45	0	-	60	-25.0%	45	0	-
CRUDE OIL OUTRIGHTS	HTT	13,351	0	-	6,987	91.1%	13,351	0	-
CRUDE OIL OUTRIGHTS	WCC	10,640	9,870	7.8%	1,650	544.8%	10,640	9,870	7.8%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL SPRDS	38	0	225	-100.0%	0	0.0%	0	225	-100.0%
CRUDE OIL SPRDS	WTT	9,185	1,221	652.3%	2,110	335.3%	9,185	1,221	652.3%
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%	0	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	0	0.0%
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%	0	0	0.0%
DATED TO FRONTLINE BRENT	FY	3,510	0	0.0%	1,230	185.4%	3,510	0	0.0%
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	0.0%	0	0	0.0%
DEMARC SWING SWAP	DT	0	0	-	0	0.0%	0	0	-
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	100	-100.0%	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%	0	0	-
DOMINION TRAN INC - APP I	IH	0	660	-100.0%	0	0.0%	0	660	-100.0%



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Energy Futures									
DOMINION TRANSMISSION INC	PG	19,777	16,080	23.0%	6,397	209.2%	19,777	16,080	23.0%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL CALENDAR	DC	16,499	1,842	795.7%	6,630	148.9%	16,499	1,842	795.7%
DY EURO 3.5% FUEL OI RDA	FOR	1,500	0	0.0%	0	0.0%	1,500	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	1,575	1,635	-3.7%	800	96.9%	1,575	1,635	-3.7%
EAST/WEST FUEL OIL SPREAD	EW	841	5	16,720.0%	30	2,703.3%	841	5	16,720.0%
EIA FLAT TAX ONHWAY DIESE	A5	1,486	3,596	-58.7%	921	61.3%	1,486	3,596	-58.7%
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	N1	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	R1	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	O1	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC FINSETTLED	47	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC FINSETTLED	49	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC MISO PEAK	4L	0	0	0.0%	215	-100.0%	0	0	0.0%
ELEC MISO PEAK	55	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	4M	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	58	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	46	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	4P	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	50	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC WEST POWER OFF-PEAK	MDA	0	0	-	0	0.0%	0	0	-
ELEC WEST POWER PEAK	MDC	1,540	0	-	0	0.0%	1,540	0	-
EL PASO PERMIAN INDEX SWA	IL	0	0	-	0	0.0%	0	0	-
EMMISSIONS	CPL	0	0	0.0%	0	0.0%	0	0	0.0%
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	4,280	-100.0%	0	0.0%	0	4,280	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	430	235	83.0%	0	0.0%	430	235	83.0%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	4,434	1,810	145.0%	5,558	-20.2%	4,434	1,810	145.0%
EU LOW SULPHUR GASOIL CRACK	LSC	0	0	0.0%	0	0.0%	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	KX	0	173	-100.0%	6	-100.0%	0	173	-100.0%
EURO 3.5% FUEL OIL RDAM B	KR	859	297	189.2%	1,059	-18.9%	859	297	189.2%
EURO 3.5% FUEL OIL SPREAD	FK	797	920	-13.4%	735	8.4%	797	920	-13.4%
EURO-DENOMINATED PETRO PROD	IBE	0	0	0.0%	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO PROD	NCP	500	70	614.3%	756	-33.9%	500	70	614.3%
EURO GASOIL 10 CAL SWAP	GT	0	3	-100.0%	0	0.0%	0	3	-100.0%

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Energy Futures									
EURO GASOIL 10PPM VS ICE	ET	168	70	140.0%	102	64.7%	168	70	140.0%
EUROPE 1% FUEL OIL NWE CA	UF	204	285	-28.4%	80	155.0%	204	285	-28.4%
EUROPE 1% FUEL OIL RDAM C	UH	0	10	-100.0%	8	-100.0%	0	10	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	782	334	134.1%	489	59.9%	782	334	134.1%
EUROPE 3.5% FUEL OIL RDAM	UV	12,392	7,354	68.5%	12,415	-0.2%	12,392	7,354	68.5%
EUROPEAN GASOIL (ICE)	7F	2,485	375,011	-99.3%	11,179	-77.8%	2,485	375,011	-99.3%
EUROPEAN NAPHTHA BALMO	KZ	426	114	273.7%	287	48.4%	426	114	273.7%
EUROPEAN NAPHTHA CRACK SPR	EN	9,061	4,694	93.0%	6,547	38.4%	9,061	4,694	93.0%
EUROPE DATED BRENT SWAP	UB	42	300	-86.0%	0	0.0%	42	300	-86.0%
EUROPE JET KERO NWE CALSW	UJ	0	0	0.0%	0	0.0%	0	0	0.0%
EUROPE NAPHTHA CALSWAP	UN	2,763	808	242.0%	1,816	52.1%	2,763	808	242.0%
EURO PROPANE CIF ARA SWA	PS	1,458	815	78.9%	1,124	29.7%	1,458	815	78.9%
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	-	0	0.0%	0	0	-
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	0.0%	0	0	0.0%
FREIGHT MARKETS	FLP	125	243	-48.6%	268	-53.4%	125	243	-48.6%
FUEL OIL CRACK VS ICE	FO	3,451	3,762	-8.3%	2,704	27.6%	3,451	3,762	-8.3%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CM	1W	0	123	-100.0%	150	-100.0%	0	123	-100.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0.0%	0	0	0.0%
FUELOIL SWAP:CARGOES VS.B	FS	415	559	-25.8%	190	118.4%	415	559	-25.8%
GAS EURO-BOB OXY NWE BARGES	7H	8,025	10,200	-21.3%	5,234	53.3%	8,025	10,200	-21.3%
GAS EURO-BOB OXY NWE BARGES CRK	7K	21,163	17,247	22.7%	18,496	14.4%	21,163	17,247	22.7%
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	0.0%	0	0.0%	0	0	0.0%
GASOIL 0.1 CARGOES CIF NE	TW	0	0	0.0%	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF MED BALMO	X6	0	0	0.0%	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF MED SWAP	Z4	0	60	-100.0%	0	0.0%	0	60	-100.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	80	-100.0%	0	0.0%	0	80	-100.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	0.0%	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	8W	20	0	-	0	0.0%	20	0	-
GASOIL 0.1 CRG CIF NW VS	4V	0	5	-100.0%	0	0.0%	0	5	-100.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0.0%	0	0	0.0%
GASOIL 0.1 ROTTERDAM BARG	VL	25	0	0.0%	0	0.0%	25	0	0.0%
GASOIL 10P CRG CIF NW VS	3V	0	10	-100.0%	0	0.0%	0	10	-100.0%
GASOIL 10PPM CARGOES CIF	TY	0	3	-100.0%	0	0.0%	0	3	-100.0%
GASOIL 10PPM VS ICE SWAP	TP	195	7	2,685.7%	44	343.2%	195	7	2,685.7%
GASOIL BULLET SWAP	BG	0	0	-	0	0.0%	0	0	-

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Energy Futures									
GASOIL CALENDAR SWAP	GX	12	6	100.0%	23	-47.8%	12	6	100.0%
GASOIL CRACK SPREAD CALEN	GZ	8,988	753	1,093.6%	8,784	2.3%	8,988	753	1,093.6%
GASOIL MINI CALENDAR SWAP	QA	136	208	-34.6%	144	-5.6%	136	208	-34.6%
GASOLINE UP-DOWN BALMO SW	1K	0	350	-100.0%	0	0.0%	0	350	-100.0%
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%	0	0	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	2,779	2,361	17.7%	2,237	24.2%	2,779	2,361	17.7%
GRP THREE UNL GS (PLT) VS	A8	444	1,875	-76.3%	395	12.4%	444	1,875	-76.3%
GULF COAST 3% FUEL OIL BA	VZ	311	1,653	-81.2%	985	-68.4%	311	1,653	-81.2%
GULF COAST GASOLINE CLNDR	GS	0	1,300	-100.0%	0	0.0%	0	1,300	-100.0%
GULF COAST JET FUEL CLNDR	GE	110	123	-10.6%	120	-8.3%	110	123	-10.6%
GULF COAST JET VS NYM 2 H	ME	43,149	28,422	51.8%	35,357	22.0%	43,149	28,422	51.8%
GULF COAST NO.6 FUEL OIL	MF	69,827	63,623	9.8%	51,184	36.4%	69,827	63,623	9.8%
GULF COAST NO.6 FUEL OIL	MG	3,640	1,140	219.3%	6,166	-41.0%	3,640	1,140	219.3%
GULF COAST ULSD CALENDAR	LY	405	1,907	-78.8%	1,345	-69.9%	405	1,907	-78.8%
GULF COAST ULSD CRACK SPR	GY	0	1,425	-100.0%	100	-100.0%	0	1,425	-100.0%
HEATING OIL BALMO CLNDR S	1G	0	75	-100.0%	0	0.0%	0	75	-100.0%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	0.0%	0	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	5,740	39,507	-85.5%	2,005	186.3%	5,740	39,507	-85.5%
HENRY HUB INDEX SWAP FUTU	IN	6,300	33,365	-81.1%	2,418	160.5%	6,300	33,365	-81.1%
HENRY HUB SWAP	NN	146,099	596,527	-75.5%	358,426	-59.2%	146,099	596,527	-75.5%
HENRY HUB SWING FUTURE	SN	0	290	-100.0%	0	0.0%	0	290	-100.0%
HOUSTON SHIP CHANNEL BASI	NH	0	8,990	-100.0%	1,448	-100.0%	0	8,990	-100.0%
HOUSTON SHIP CHANNEL INDE	IP	0	0	0.0%	0	0.0%	0	0	0.0%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	0.0%	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	DB	11,792	0	0.0%	11,082	6.4%	11,792	0	0.0%
IN DELIVERY MONTH EUA	6T	0	4,800	-100.0%	1,250	-100.0%	0	4,800	-100.0%
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%	0	0	0.0%
INDIANA MISO	PDM	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PTD	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
INDIANA MISO	PTM	0	0	0.0%	0	0.0%	0	0	0.0%
INDONESIAN COAL	MCC	0	0	0.0%	0	0.0%	0	0	0.0%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	NI	10	0	0.0%	0	0.0%	10	0	0.0%
JAPAN C&F NAPHTHA CRACK S	JB	747	1,539	-51.5%	573	30.4%	747	1,539	-51.5%
JAPAN C&F NAPHTHA SWAP	JA	1,182	1,452	-18.6%	1,715	-31.1%	1,182	1,452	-18.6%
JAPAN NAPHTHA BALMO SWAP	E6	50	92	-45.7%	81	-38.3%	50	92	-45.7%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	0.0%	0	0.0%	0	0	0.0%
JET BARGES VS ICE GASOIL	JR	0	22	-100.0%	0	0.0%	0	22	-100.0%
JET CIF NWE VS ICE	JC	70	20	250.0%	100	-30.0%	70	20	250.0%
JET FUEL BRG FOB RDM VS I	9Q	0	2	-100.0%	0	0.0%	0	2	-100.0%
JET FUEL CRG CIF NEW VS I	6X	10	0	0.0%	0	0.0%	10	0	0.0%
JET FUEL UP-DOWN BALMO CL	1M	5,378	3,710	45.0%	8,020	-32.9%	5,378	3,710	45.0%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	275	137	100.7%	627	-56.1%	275	137	100.7%
LA CARBOB GASOLINE(OPIS)S	JL	250	2,050	-87.8%	0	0.0%	250	2,050	-87.8%
LA JET FUEL VS NYM NO 2 H	MQ	0	235	-100.0%	30	-100.0%	0	235	-100.0%
LA JET (OPIS) SWAP	JS	2,745	1,075	155.3%	900	205.0%	2,745	1,075	155.3%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	0.0%	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	6,435	7,865	-18.2%	4,280	50.4%	6,435	7,865	-18.2%
MARS (ARGUS) VS WTI SWAP	YX	4,846	8,748	-44.6%	6,325	-23.4%	4,846	8,748	-44.6%
MARS (ARGUS) VS WTI TRD M	YV	21,536	8,970	140.1%	14,380	49.8%	21,536	8,970	140.1%
MARS BLEND CRUDE OIL	MB	3,517	115	2,958.3%	939	274.5%	3,517	115	2,958.3%
MCCLOSKEY ARA ARGS COAL	MTF	77,180	246,068	-68.6%	49,614	55.6%	77,180	246,068	-68.6%
MCCLOSKEY RCH BAY COAL	MFF	10,670	35,296	-69.8%	8,906	19.8%	10,670	35,296	-69.8%
MGF FUT	MGF	0	0	0.0%	0	0.0%	0	0	0.0%
MGN1 SWAP FUT	MGN	197	193	2.1%	140	40.7%	197	193	2.1%
MICHCON NG INDEX SWAP	Y8	0	0	-	0	0.0%	0	0	-
MICHIGAN BASIS	NF	2,592	1,824	42.1%	973	166.4%	2,592	1,824	42.1%
MICHIGAN MISO	HMO	0	74,480	-100.0%	0	0.0%	0	74,480	-100.0%
MICHIGAN MISO	HMW	0	4,030	-100.0%	0	0.0%	0	4,030	-100.0%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	467	95	391.6%	690	-32.3%	467	95	391.6%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	716	500	43.2%	50	1,332.0%	716	500	43.2%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	2,871	735	290.6%	4,504	-36.3%	2,871	735	290.6%
MJB FUT	MJB	0	0	0.0%	0	0.0%	0	0	0.0%
MJC FUT	MJC	80	138	-42.0%	0	0.0%	80	138	-42.0%



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Energy Futures									
MNC FUT	MNC	3,787	3,941	-3.9%	4,025	-5.9%	3,787	3,941	-3.9%
MONT BELVIEU ETHANE 5 DECIMAL	C0	47,665	21,405	122.7%	51,587	-7.6%	47,665	21,405	122.7%
MONT BELVIEU ETHANE OPIS BALMO	8C	990	115	760.9%	375	164.0%	990	115	760.9%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	106,181	79,492	33.6%	85,879	23.6%	106,181	79,492	33.6%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	3,367	170	1,880.6%	2,283	47.5%	3,367	170	1,880.6%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	8,053	6,801	18.4%	4,670	72.4%	8,053	6,801	18.4%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	846	168	403.6%	200	323.0%	846	168	403.6%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	28,750	20,104	43.0%	38,249	-24.8%	28,750	20,104	43.0%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,224	519	135.8%	736	66.3%	1,224	519	135.8%
NAT GAS BASIS SWAP	SGW	0	0	0.0%	0	0.0%	0	0	0.0%
NAT GAS BASIS SWAP	TZ6	428	302	41.7%	856	-50.0%	428	302	41.7%
NATURAL GAS	HBI	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	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	MFS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	PFS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	WFS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	Z5P	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	ZTS	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS INDEX	TZI	56	0	-	0	0.0%	56	0	-
NATURAL GAS PEN SWP	NP	121,429	93,337	30.1%	101,696	19.4%	121,429	93,337	30.1%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	H2	0	9,360	-100.0%	7,440	-100.0%	0	9,360	-100.0%
NEPOOL INTR HUB 5MW D AH	U6	100	510	-80.4%	1,275	-92.2%	100	510	-80.4%
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH P	P7	0	0	0.0%	0	0.0%	0	0	0.0%
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	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	U5	0	0	0.0%	0	0.0%	0	0	0.0%
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	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	915	4,040	-77.4%	870	5.2%	915	4,040	-77.4%
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	0	7,330	-100.0%	0	0.0%	0	7,330	-100.0%
NGPL MIDCONTINENT INDEX	IW	0	0	0.0%	0	0.0%	0	0	0.0%
NGPL MIDCONTINENT SWING S	PX	0	0	-	0	0.0%	0	0	-
NGPL TEX/OK	PD	0	13,056	-100.0%	1,880	-100.0%	0	13,056	-100.0%
NGPL TEXOK INDEX	OI	0	0	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	0	0.0%
NO 2 UP-DOWN SPREAD CALEN	UT	1,235	1,325	-6.8%	750	64.7%	1,235	1,325	-6.8%
NORTHERN NATURAL GAS DEMAR	PE	0	87	-100.0%	124	-100.0%	0	87	-100.0%
NORTHERN NATURAL GAS VENTU	PF	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	0	20,617	-100.0%	1,596	-100.0%	0	20,617	-100.0%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	VR	4,628	2,300	101.2%	3,696	25.2%	4,628	2,300	101.2%
NY 2.2% FUEL OIL (PLATTS	Y3	0	120	-100.0%	0	0.0%	0	120	-100.0%
NY 3.0% FUEL OIL (PLATTS	H1	875	75	1,066.7%	150	483.3%	875	75	1,066.7%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	50	-100.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	MP	1,727	3,020	-42.8%	5,024	-65.6%	1,727	3,020	-42.8%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	658	0	0.0%	1,555	-57.7%	658	0	0.0%
NY HARBOR RESIDUAL FUEL 1	MM	3,350	6,248	-46.4%	1,590	110.7%	3,350	6,248	-46.4%
NY HARBOR RESIDUAL FUEL C	ML	0	0	0.0%	0	0.0%	0	0	0.0%
NYH NO 2 CRACK SPREAD CAL	HK	3,541	2,216	59.8%	890	297.9%	3,541	2,216	59.8%
NY H OIL PLATTS VS NYMEX	YH	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO A	KA	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO A OFF-PEAK	KB	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO CAPACITY	LHV	60	0	-	12	400.0%	60	0	-
NYISO CAPACITY	NNC	208	39	433.3%	72	188.9%	208	39	433.3%
NYISO CAPACITY	NRS	84	129	-34.9%	150	-44.0%	84	129	-34.9%
NYISO G	KG	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO G OFF-PEAK	KH	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO J	KJ	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
NYISO ZONE A 5MW D AH O P	K4	9,360	0	0.0%	18,720	-50.0%	9,360	0	0.0%
NYISO ZONE A 5MW D AH PK	K3	6,040	0	0.0%	0	0.0%	6,040	0	0.0%
NYISO ZONE C 5MW D AH O P	A3	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH PK	Q5	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH O P	D2	71,960	0	0.0%	0	0.0%	71,960	0	0.0%
NYISO ZONE G 5MW D AH PK	T3	7,435	1,852	301.5%	5,620	32.3%	7,435	1,852	301.5%
NYISO ZONE J 5MW D AH O P	D4	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH PK	D3	200	650	-69.2%	0	0.0%	200	650	-69.2%
NY JET FUEL (PLATTS) HEAT OIL SWAP	1U	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX ALUMINUM FUTURES	AN	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	UY	0	0	0.0%	0	0.0%	0	0	0.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	5,455	875	523.4%	1,762	209.6%	5,455	875	523.4%
ONEOK OKLAHOMA NG BASIS	8X	0	453	-100.0%	0	0.0%	0	453	-100.0%
ONTARIO POWER SWAPS	OFD	0	160	-100.0%	0	0.0%	0	160	-100.0%
ONTARIO POWER SWAPS	OFM	0	0	0.0%	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	OPD	85	25	240.0%	0	0.0%	85	25	240.0%
ONTARIO POWER SWAPS	OPM	100	0	0.0%	105	-4.8%	100	0	0.0%
PANHANDLE BASIS SWAP FUTU	PH	48	7,006	-99.3%	1,824	-97.4%	48	7,006	-99.3%
PANHANDLE INDEX SWAP FUTU	IV	0	0	0.0%	0	0.0%	0	0	0.0%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	PM	0	6,377	-100.0%	856	-100.0%	0	6,377	-100.0%
PETROCHEMICALS	22	106	17	523.5%	38	178.9%	106	17	523.5%
PETROCHEMICALS	32	229	67	241.8%	151	51.7%	229	67	241.8%
PETROCHEMICALS	8I	254	0	0.0%	435	-41.6%	254	0	0.0%
PETROCHEMICALS	91	290	68	326.5%	182	59.3%	290	68	326.5%
PETROCHEMICALS	HPE	0	20	-100.0%	0	0.0%	0	20	-100.0%
PETROCHEMICALS	LPE	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	MAC	0	0	-	0	0.0%	0	0	-
PETROCHEMICALS	MAE	0	10	-100.0%	10	-100.0%	0	10	-100.0%
PETROCHEMICALS	MAS	55	100	-45.0%	20	175.0%	55	100	-45.0%
PETROCHEMICALS	MBE	1,590	1,200	32.5%	1,685	-5.6%	1,590	1,200	32.5%
PETROCHEMICALS	MNB	1,070	1,704	-37.2%	632	69.3%	1,070	1,704	-37.2%
PETRO CRCKS & SPRDS ASIA	STI	105	1,050	-90.0%	0	0.0%	105	1,050	-90.0%
PETRO CRCKS & SPRDS ASIA	STR	200	0	0.0%	0	0.0%	200	0	0.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	CRB	575	50	1,050.0%	300	91.7%	575	50	1,050.0%

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Commodity		VOLUME JAN 2017	VOLUME JAN 2016	% CHG	VOLUME DEC 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
PETRO CRCKS & SPRDS NA	EXR	3,811	1,790	112.9%	2,371	60.7%	3,811	1,790	112.9%
PETRO CRCKS & SPRDS NA	FOC	1,125	725	55.2%	790	42.4%	1,125	725	55.2%
PETRO CRCKS & SPRDS NA	GBB	950	0	0.0%	2,120	-55.2%	950	0	0.0%
PETRO CRCKS & SPRDS NA	GCC	0	150	-100.0%	475	-100.0%	0	150	-100.0%
PETRO CRCKS & SPRDS NA	GCI	2,068	465	344.7%	1,817	13.8%	2,068	465	344.7%
PETRO CRCKS & SPRDS NA	GCM	0	18	-100.0%	322	-100.0%	0	18	-100.0%
PETRO CRCKS & SPRDS NA	GCU	12,113	7,268	66.7%	6,946	74.4%	12,113	7,268	66.7%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	HOB	2,574	4,012	-35.8%	2,695	-4.5%	2,574	4,012	-35.8%
PETRO CRCKS & SPRDS NA	KSD	75	0	0.0%	0	0.0%	75	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	0.0%	0	0	-
PETRO CRCKS & SPRDS NA	NFG	0	220	-100.0%	0	0.0%	0	220	-100.0%
PETRO CRCKS & SPRDS NA	NYF	300	100	200.0%	0	0.0%	300	100	200.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	-	0	0.0%	0	0	-
PETRO CRCKS & SPRDS NA	RBB	10,597	13,236	-19.9%	13,289	-20.3%	10,597	13,236	-19.9%
PETRO CRCKS & SPRDS NA	RVG	15,971	4,835	230.3%	11,320	41.1%	15,971	4,835	230.3%
PETRO CRCKS & SPRDS NA	SF3	6	19	-68.4%	0	0.0%	6	19	-68.4%
PETRO CRK&SPRD EURO	1NB	2,021	3,577	-43.5%	1,758	15.0%	2,021	3,577	-43.5%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	43	266	63	322.2%	222	19.8%	266	63	322.2%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	BOB	2,990	2,885	3.6%	2,412	24.0%	2,990	2,885	3.6%
PETRO CRK&SPRD EURO	EOB	0	39	-100.0%	0	0.0%	0	39	-100.0%
PETRO CRK&SPRD EURO	EPN	414	123	236.6%	271	52.8%	414	123	236.6%
PETRO CRK&SPRD EURO	EVC	3,941	1,245	216.5%	3,571	10.4%	3,941	1,245	216.5%
PETRO CRK&SPRD EURO	FBT	0	90	-100.0%	0	0.0%	0	90	-100.0%
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	GCB	150	460	-67.4%	0	0.0%	150	460	-67.4%
PETRO CRK&SPRD EURO	GOC	30	0	0.0%	10	200.0%	30	0	0.0%
PETRO CRK&SPRD EURO	LSU	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	MGB	40	0	0.0%	0	0.0%	40	0	0.0%
PETRO CRK&SPRD EURO	MUD	124	173	-28.3%	70	77.1%	124	173	-28.3%
PETRO CRK&SPRD EURO	NBB	10	0	0.0%	23	-56.5%	10	0	0.0%
PETRO CRK&SPRD EURO	NOB	1,005	217	363.1%	918	9.5%	1,005	217	363.1%
PETRO CRK&SPRD EURO	SFB	125	25	400.0%	0	0.0%	125	25	400.0%
PETRO CRK&SPRD EURO	SFC	0	0	0.0%	0	0.0%	0	0	0.0%



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Commodity		VOLUME JAN 2017	VOLUME JAN 2016	% CHG	VOLUME DEC 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
PETROLEUM PRODUCTS	D44	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	D45	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	D46	0	0	-	0	0.0%	0	0	-
PETROLEUM PRODUCTS	D64	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	D65	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	EWB	0	0	0.0%	15	-100.0%	0	0	0.0%
PETROLEUM PRODUCTS	EWG	4,620	0	0.0%	3,349	38.0%	4,620	0	0.0%
PETROLEUM PRODUCTS	MBS	0	450	-100.0%	0	0.0%	0	450	-100.0%
PETROLEUM PRODUCTS	MHE	0	0	-	0	0.0%	0	0	-
PETROLEUM PRODUCTS	MPE	0	310	-100.0%	0	0.0%	0	310	-100.0%
PETROLEUM PRODUCTS	VU	489	420	16.4%	336	45.5%	489	420	16.4%
PETROLEUM PRODUCTS ASIA	E6M	15	22	-31.8%	35	-57.1%	15	22	-31.8%
PETROLEUM PRODUCTS ASIA	MJN	1,617	1,159	39.5%	1,470	10.0%	1,617	1,159	39.5%
PETROLEUM PRODUCTS ASIA	MSB	5	0	-	0	-	5	0	-
PETRO OUTRIGHT EURO	0A	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	0B	43	90	-52.2%	185	-76.8%	43	90	-52.2%
PETRO OUTRIGHT EURO	0C	0	10	-100.0%	95	-100.0%	0	10	-100.0%
PETRO OUTRIGHT EURO	0D	3,345	3,969	-15.7%	3,618	-7.5%	3,345	3,969	-15.7%
PETRO OUTRIGHT EURO	0E	995	655	51.9%	872	14.1%	995	655	51.9%
PETRO OUTRIGHT EURO	0F	965	974	-0.9%	1,049	-8.0%	965	974	-0.9%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	33	0	25	-100.0%	6	-100.0%	0	25	-100.0%
PETRO OUTRIGHT EURO	5L	164	130	26.2%	238	-31.1%	164	130	26.2%
PETRO OUTRIGHT EURO	63	140	112	25.0%	235	-40.4%	140	112	25.0%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	7I	317	292	8.6%	539	-41.2%	317	292	8.6%
PETRO OUTRIGHT EURO	7P	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	7R	324	291	11.3%	352	-8.0%	324	291	11.3%
PETRO OUTRIGHT EURO	88	0	0	0.0%	5	-100.0%	0	0	0.0%
PETRO OUTRIGHT EURO	CBB	5	0	-	0	0.0%	5	0	-
PETRO OUTRIGHT EURO	CGB	0	6	-100.0%	0	0.0%	0	6	-100.0%
PETRO OUTRIGHT EURO	CPB	593	70	747.1%	60	888.3%	593	70	747.1%
PETRO OUTRIGHT EURO	EFF	25	48	-47.9%	63	-60.3%	25	48	-47.9%
PETRO OUTRIGHT EURO	EFM	95	65	46.2%	150	-36.7%	95	65	46.2%
PETRO OUTRIGHT EURO	ENS	0	101	-100.0%	0	0.0%	0	101	-100.0%
PETRO OUTRIGHT EURO	EWN	837	87	862.1%	251	233.5%	837	87	862.1%

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Energy Futures									
PETRO OUTRIGHT EURO	FBD	20	0	0.0%	0	0.0%	20	0	0.0%
PETRO OUTRIGHT EURO	MBB	60	34	76.5%	0	0.0%	60	34	76.5%
PETRO OUTRIGHT EURO	MBN	520	789	-34.1%	390	33.3%	520	789	-34.1%
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	T0	0	95	-100.0%	0	0.0%	0	95	-100.0%
PETRO OUTRIGHT EURO	ULB	375	0	0.0%	0	0.0%	375	0	0.0%
PETRO OUTRIGHT EURO	V0	75	0	0.0%	150	-50.0%	75	0	0.0%
PETRO OUTRIGHT EURO	W0	0	0	-	0	0.0%	0	0	-
PETRO OUTRIGHT EURO	X0	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	Y0	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	FCB	0	96	-100.0%	510	-100.0%	0	96	-100.0%
PETRO OUTRIGHT NA	FOB	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	FOM	0	3	-100.0%	0	0.0%	0	3	-100.0%
PETRO OUTRIGHT NA	GBA	0	0	-	0	0.0%	0	0	-
PETRO OUTRIGHT NA	GUD	0	0	-	0	0.0%	0	0	-
PETRO OUTRIGHT NA	JE	0	312	-100.0%	0	0.0%	0	312	-100.0%
PETRO OUTRIGHT NA	JET	6,426	1,050	512.0%	7,951	-19.2%	6,426	1,050	512.0%
PETRO OUTRIGHT NA	MBL	18	0	0.0%	0	0.0%	18	0	0.0%
PETRO OUTRIGHT NA	MEN	962	912	5.5%	648	48.5%	962	912	5.5%
PETRO OUTRIGHT NA	MEO	9,591	8,738	9.8%	7,740	23.9%	9,591	8,738	9.8%
PETRO OUTRIGHT NA	MFD	0	166	-100.0%	35	-100.0%	0	166	-100.0%
PETRO OUTRIGHT NA	MMF	168	125	34.4%	120	40.0%	168	125	34.4%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	XER	0	0	0.0%	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	V3	243,025	103,320	135.2%	261,104	-6.9%	243,025	103,320	135.2%
PJM AD HUB 5MW REAL TIME	Z9	12,990	10,335	25.7%	1,705	661.9%	12,990	10,335	25.7%
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	0	0.0%
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	0	0	0.0%	0	0.0%	0	0	0.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	D9	38,590	0	0.0%	0	0.0%	38,590	0	0.0%
PJM COMED 5MW D AH PK	D8	2,125	0	0.0%	0	0.0%	2,125	0	0.0%

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Energy Futures									
PJM DAILY	JD	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	148,335	0	0.0%	0	0.0%	148,335	0	0.0%
PJM DAYTON DA PEAK	D7	1,530	0	0.0%	0	0.0%	1,530	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 JCPL DA OFF-PEAK	F2	0	0	0.0%	0	0.0%	0	0	0.0%
PJM JCPL DA PEAK	J2	0	0	0.0%	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	16,795	4,045	315.2%	19,335	-13.1%	16,795	4,045	315.2%
PJM NI HUB 5MW REAL TIME	B6	686,590	154,020	345.8%	718,970	-4.5%	686,590	154,020	345.8%
PJM NILL DA OFF-PEAK	L3	144,222	60,032	140.2%	112,060	28.7%	144,222	60,032	140.2%
PJM NILL DA PEAK	N3	7,675	1,866	311.3%	1,128	580.4%	7,675	1,866	311.3%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PEP CO DA OFF-PEAK	Q8	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PPL DA OFF-PEAK	F5	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PPL DA PEAK	L5	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0.0%	0	0	0.0%
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	0	0.0%	304,100	-100.0%	0	0	0.0%
PJM WESTHDA PEAK	J4	0	460	-100.0%	16,660	-100.0%	0	460	-100.0%
PJM WESTH RT OFF-PEAK	N9	293,040	314,264	-6.8%	553,310	-47.0%	293,040	314,264	-6.8%
PJM WESTH RT PEAK	L1	21,965	46,501	-52.8%	40,975	-46.4%	21,965	46,501	-52.8%
PLASTICS	PGP	460	580	-20.7%	250	84.0%	460	580	-20.7%
PREMIUM UNLD 10P FOB MED	3G	109	416	-73.8%	98	11.2%	109	416	-73.8%
PREMIUM UNLEAD 10PPM FOB	8G	6	34	-82.4%	23	-73.9%	6	34	-82.4%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	0.0%	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	3	-100.0%	0	0.0%	0	3	-100.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,804	774	133.1%	150	1,102.7%	1,804	774	133.1%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	13,407	9,200	45.7%	12,004	11.7%	13,407	9,200	45.7%
RBOB CALENDAR SWAP	RL	11,260	5,998	87.7%	7,423	51.7%	11,260	5,998	87.7%
RBOB CRACK SPREAD	RM	854	2,494	-65.8%	3,479	-75.5%	854	2,494	-65.8%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	60	-100.0%	0	0	0.0%
RBOB GASOLINE BALMO CLNDR	1D	1,415	0	0.0%	2,583	-45.2%	1,415	0	0.0%
RBOB PHY	RBL	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB (PLATTS) CAL SWAP	RY	0	0	-	0	0.0%	0	0	-

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Energy Futures									
RBOB SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB UP-DOWN CALENDAR SWA	RV	0	7,438	-100.0%	0	0.0%	0	7,438	-100.0%
RBOB VS HEATING OIL SWAP	RH	2,750	750	266.7%	4,375	-37.1%	2,750	750	266.7%
ROCKIES KERN OPAL - NW IN	IR	0	0	0.0%	0	0.0%	0	0	0.0%
SAN JUAN BASIS SWAP	NJ	0	4,100	-100.0%	186	-100.0%	0	4,100	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE 180CST BALMO	BS	0	113	-100.0%	35	-100.0%	0	113	-100.0%
SINGAPORE 380CST BALMO	BT	69	40	72.5%	174	-60.3%	69	40	72.5%
SINGAPORE 380CST FUEL OIL	SE	17,472	6,110	186.0%	12,324	41.8%	17,472	6,110	186.0%
SINGAPORE FUEL 180CST CAL	UA	1,428	1,191	19.9%	1,506	-5.2%	1,428	1,191	19.9%
SINGAPORE FUEL OIL SPREAD	SD	1,206	218	453.2%	399	202.3%	1,206	218	453.2%
SINGAPORE GASOIL	MTB	238	172	38.4%	389	-38.8%	238	172	38.4%
SINGAPORE GASOIL	MTS	4,599	3,142	46.4%	3,710	24.0%	4,599	3,142	46.4%
SINGAPORE GASOIL	STL	0	100	-100.0%	0	0.0%	0	100	-100.0%
SINGAPORE GASOIL	STZ	100	0	0.0%	0	0.0%	100	0	0.0%
SINGAPORE GASOIL CALENDAR	MSG	184	0	0.0%	78	135.9%	184	0	0.0%
SINGAPORE GASOIL SWAP	SG	10,887	2,345	364.3%	12,325	-11.7%	10,887	2,345	364.3%
SINGAPORE GASOIL VS ICE	GA	9,695	1,050	823.3%	8,065	20.2%	9,695	1,050	823.3%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE JET KERO GASOIL	RK	3,690	700	427.1%	4,720	-21.8%	3,690	700	427.1%
SINGAPORE JET KEROSENE SW	KS	1,232	425	189.9%	771	59.8%	1,232	425	189.9%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	25	0	0.0%	375	-93.3%	25	0	0.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	16,502	7,629	116.3%	12,320	33.9%	16,502	7,629	116.3%
SINGAPORE NAPHTHA BALMO	KU	0	0	-	0	0.0%	0	0	-
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	0.0%	0	0	0.0%
SING FUEL	MSD	10	0	0.0%	5	100.0%	10	0	0.0%
SOCAL BASIS SWAP	NS	0	0	0.0%	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	XN	0	0	0.0%	0	0.0%	0	0	0.0%
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	186	-100.0%	0	0	0.0%
SOUTHERN NAT LA NAT GAS	M8	0	522	-100.0%	0	0.0%	0	522	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	0.0%	0	0.0%	0	0	0.0%
Sumas Basis Swap	NK	488	475	2.7%	0	0.0%	488	475	2.7%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	0.0%	0	0.0%	0	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	0.0%	0	0	0.0%
TC5 RAS TANURA TO YOKOHAM	TH	0	0	0.0%	0	0.0%	0	0	0.0%



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Commodity		VOLUME JAN 2017	VOLUME JAN 2016	% CHG	VOLUME DEC 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
Energy Futures									
TCO BASIS SWAP	TC	151	8,570	-98.2%	668	-77.4%	151	8,570	-98.2%
TCO NG INDEX SWAP	Q1	0	0	0.0%	0	0.0%	0	0	0.0%
TENN 800 LEG NAT GAS INDE	L4	0	0	0.0%	0	0.0%	0	0	0.0%
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	0.0%	0	0	0.0%
TENNESSEE 800 LEG NG BASI	6Z	0	428	-100.0%	0	0.0%	0	428	-100.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	0	0.0%	0	0	0.0%
Tetco ELA Basis	TE	0	0	0.0%	0	0.0%	0	0	0.0%
TETCO M-3 INDEX	IX	0	0	0.0%	2,568	-100.0%	0	0	0.0%
Tetco STX Basis	TX	0	0	0.0%	0	0.0%	0	0	0.0%
TEXAS EASTERN ZONE M-3 BA	NX	6,691	9,830	-31.9%	1,053	535.4%	6,691	9,830	-31.9%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 1 NG BASIS	8E	0	0	0.0%	0	0.0%	0	0	0.0%
Transco Zone 3 Basis	CZ	0	428	-100.0%	0	0.0%	0	428	-100.0%
TRANSCO ZONE4 BASIS SWAP	TR	3,990	2,715	47.0%	4,884	-18.3%	3,990	2,715	47.0%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 BASIS SWAP	NZ	2,140	1,057	102.5%	915	133.9%	2,140	1,057	102.5%
TRANSCO ZONE 6 INDEX	IT	0	604	-100.0%	0	0.0%	0	604	-100.0%
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	0	0.0%	0	0.0%	0	0	0.0%
UCM FUT	UCM	20	15	33.3%	10	100.0%	20	15	33.3%
ULSD 10PPM CIF MED BALMO	X7	0	0	-	0	0.0%	0	0	-
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	0.0%	0	0	0.0%
ULSD 10PPM CIF MED VS ICE	Z7	0	22	-100.0%	18	-100.0%	0	22	-100.0%
ULSD 10PPM CIF VS ICE GAS	7V	0	35	-100.0%	0	0.0%	0	35	-100.0%
ULSD UP-DOWN BALMO SWP	1L	7,605	1,535	395.4%	9,575	-20.6%	7,605	1,535	395.4%
UP DOWN GC ULSD VS NMX HO	LT	56,172	56,027	0.3%	36,467	54.0%	56,172	56,027	0.3%
USGC UNL 87 CRACK SPREAD	RU	0	0	0.0%	0	0.0%	0	0	0.0%
VENTURA NAT GAS PLATTS FIXED PRICE	DVA	0	0	0.0%	0	0.0%	0	0	0.0%
WAHA BASIS	NW	731	3,188	-77.1%	0	0.0%	731	3,188	-77.1%
WAHA INDEX SWAP FUTURE	IY	0	0	0.0%	0	0.0%	0	0	0.0%
WESTERN RAIL DELIVERY PRB	QP	195	1,100	-82.3%	105	85.7%	195	1,100	-82.3%
WTI-BRENT BULLET SWAP	BY	204	0	0.0%	0	0.0%	204	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	15,339	12,309	24.6%	9,542	60.8%	15,339	12,309	24.6%
WTI CALENDAR	CS	40,457	32,056	26.2%	53,143	-23.9%	40,457	32,056	26.2%
WTS (ARGUS) VS WTI SWAP	FF	5,154	1,615	219.1%	13,593	-62.1%	5,154	1,615	219.1%
WTS (ARGUS) VS WTI TRD MT	FH	1,550	1,125	37.8%	162	856.8%	1,550	1,125	37.8%

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Energy Options									
1 MO GASOIL CAL SWAP SPR	GXA	0	0	0.0%	0	0.0%	0	0	0.0%
APPALACHIAN COAL	6K	0	0	0.0%	0	0.0%	0	0	0.0%
BRENT CALENDAR SWAP	BA	0	30	-100.0%	1,704	-100.0%	0	30	-100.0%
BRENT OIL LAST DAY	BE	848	800	6.0%	0	0.0%	848	800	6.0%
BRENT OIL LAST DAY	BZO	14,539	6,250	132.6%	25,341	-42.6%	14,539	6,250	132.6%
BRENT OIL LAST DAY	OS	48	4,231	-98.9%	0	0.0%	48	4,231	-98.9%
COAL API2 INDEX	CLA	1,325	9,275	-85.7%	375	253.3%	1,325	9,275	-85.7%
COAL API2 INDEX	CQA	20	23,250	-99.9%	2,150	-99.1%	20	23,250	-99.9%
COAL API2 INDEX	MTC	50	0	0.0%	25	100.0%	50	0	0.0%
COAL API4 INDEX	RLA	0	50	-100.0%	0	0.0%	0	50	-100.0%
COAL API4 INDEX	RQA	0	250	-100.0%	0	0.0%	0	250	-100.0%
COAL SWAP	CPF	80	200	-60.0%	0	0.0%	80	200	-60.0%
COAL SWAP	RPF	40	0	0.0%	0	0.0%	40	0	0.0%
CRUDE OIL 1MO	WA	203,082	215,352	-5.7%	227,688	-10.8%	203,082	215,352	-5.7%
CRUDE OIL APO	AO	34,153	9,069	276.6%	84,502	-59.6%	34,153	9,069	276.6%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	AH	0	150	-100.0%	0	0.0%	0	150	-100.0%
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	CD	1,400	2,200	-36.4%	700	100.0%	1,400	2,200	-36.4%
CRUDE OIL PHY	LC	15,940	72,989	-78.2%	32,777	-51.4%	15,940	72,989	-78.2%
CRUDE OIL PHY	LO	3,046,239	4,476,615	-32.0%	3,929,183	-22.5%	3,046,239	4,476,615	-32.0%
CRUDE OIL PHY	LO1	5,818	3,019	92.7%	5,745	1.3%	5,818	3,019	92.7%
CRUDE OIL PHY	LO2	4,274	2,802	52.5%	4,219	1.3%	4,274	2,802	52.5%
CRUDE OIL PHY	LO3	4,801	2,551	88.2%	3,490	37.6%	4,801	2,551	88.2%
CRUDE OIL PHY	LO4	6,414	4,803	33.5%	6,105	5.1%	6,414	4,803	33.5%
CRUDE OIL PHY	LO5	0	6,885	-100.0%	3,511	-100.0%	0	6,885	-100.0%
DAILY CRUDE OIL	DNM	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC FINSETTLED	PML	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC MISO PEAK	9T	0	0	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	15	0	-	100	-85.0%	15	0	-
ETHANOL	CE3	0	0	-	300	-100.0%	0	0	-
ETHANOL SWAP	CVR	7,040	6,372	10.5%	12,251	-42.5%	7,040	6,372	10.5%
ETHANOL SWAP	GVR	0	218	-100.0%	0	0.0%	0	218	-100.0%
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	0	0.0%



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Energy Options									
EUROPEAN JET KEROSENE NWE (PLATTS) A	30	0	0	-	0	0.0%	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%	0	0	0.0%
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	-	0	0.0%	0	0	-
HEATING OIL PHY	LB	0	545	-100.0%	794	-100.0%	0	545	-100.0%
HEATING OIL PHY	OH	22,913	67,573	-66.1%	35,565	-35.6%	22,913	67,573	-66.1%
HENRY HUB FINANCIAL LAST	E7	3,934	1,222	221.9%	5,371	-26.8%	3,934	1,222	221.9%
HO 1 MONTH CLNDR OPTIONS	FA	0	4,000	-100.0%	0	0.0%	0	4,000	-100.0%
HUSTN SHIP CHNL PIPE SWP	PK	0	0	0.0%	0	0.0%	0	0	0.0%
LLS CRUDE OIL	WJO	0	0	0.0%	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	MTO	0	0	0.0%	0	0.0%	0	0	0.0%
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS	G10	0	0	-	0	0.0%	0	0	-
NATURAL GAS 12 M CSO FIN	G7	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	27,500	17,180	60.1%	54,625	-49.7%	27,500	17,180	60.1%
NATURAL GAS 2 M CSO FIN	G2	500	0	0.0%	450	11.1%	500	0	0.0%
NATURAL GAS 3 M CSO FIN	G3	925	3,570	-74.1%	650	42.3%	925	3,570	-74.1%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS 6 M CSO FIN	G6	5,950	200	2,875.0%	2,075	186.7%	5,950	200	2,875.0%
NATURAL GAS OPTION ON CALENDAR STRP	6J	400	7,140	-94.4%	2,360	-83.1%	400	7,140	-94.4%
NATURAL GAS PHY	KD	22,310	29,251	-23.7%	26,925	-17.1%	22,310	29,251	-23.7%
NATURAL GAS PHY	LN	2,634,551	1,927,378	36.7%	1,986,716	32.6%	2,634,551	1,927,378	36.7%
NATURAL GAS PHY	ON	271,830	308,260	-11.8%	330,415	-17.7%	271,830	308,260	-11.8%
NATURAL GAS PHY	ON1	0	0	-	0	0.0%	0	0	-
NATURAL GAS PHY	ON5	0	0	0.0%	0	0.0%	0	0	0.0%
NG HH 3 MONTH CAL	IC	0	250	-100.0%	0	0.0%	0	250	-100.0%
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	AT	4,265	12,481	-65.8%	7,056	-39.6%	4,265	12,481	-65.8%
NYISO ZONE G 5MW PEAK OPTIONS	9U	11,230	0	0.0%	0	0.0%	11,230	0	0.0%
NYMEX EUROPEAN GASOIL APO	F7	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL OPT	F8	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	4H	275	1,770	-84.5%	260	5.8%	275	1,770	-84.5%
PETROCHEMICALS	4I	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	4J	1,825	0	0.0%	450	305.6%	1,825	0	0.0%
PETROCHEMICALS	4K	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	CPR	0	495	-100.0%	0	0.0%	0	495	-100.0%

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Energy Options									
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0.0%	0	0	0.0%
PGE CITYGATE PIPE SWAP	CW	0	0	0.0%	0	0.0%	0	0	0.0%
PJM CALENDAR STRIP	6O	0	0	0.0%	0	0.0%	0	0	0.0%
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	1,240	0	0.0%	130	853.8%	1,240	0	0.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	0.0%	0	0	-
PJM WES HUB PEAK LMP 50MW	PMA	1,322	0	-	0	0.0%	1,322	0	-
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	0.0%	0	0	-
RBOB CALENDAR SWAP	RA	1,160	48	2,316.7%	159	629.6%	1,160	48	2,316.7%
RBOB PHY	OB	16,156	40,252	-59.9%	10,501	53.9%	16,156	40,252	-59.9%
RBOB PHY	RF	40	20	100.0%	0	0.0%	40	20	100.0%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	40	-100.0%	120	-100.0%	0	40	-100.0%
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM	U11	770	490	57.1%	0	0.0%	770	490	57.1%
SHORT TERM	U12	595	775	-23.2%	720	-17.4%	595	775	-23.2%
SHORT TERM	U13	200	1,500	-86.7%	100	100.0%	200	1,500	-86.7%
SHORT TERM	U14	0	1,075	-100.0%	0	0.0%	0	1,075	-100.0%
SHORT TERM	U15	0	850	-100.0%	330	-100.0%	0	850	-100.0%
SHORT TERM	U22	0	250	-100.0%	400	-100.0%	0	250	-100.0%
SHORT TERM	U23	370	0	0.0%	100	270.0%	370	0	0.0%
SHORT TERM	U24	300	0	0.0%	0	0.0%	300	0	0.0%
SHORT TERM	U25	100	205	-51.2%	0	0.0%	100	205	-51.2%
SHORT TERM	U26	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM CRUDE OIL	C02	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	U01	300	700	-57.1%	0	0.0%	300	700	-57.1%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	600	-100.0%	0	0	0.0%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	100	-100.0%	0	0	0.0%
SHORT TERM NATURAL GAS	U04	75	0	0.0%	0	0.0%	75	0	0.0%
SHORT TERM NATURAL GAS	U05	50	250	-80.0%	825	-93.9%	50	250	-80.0%
SHORT TERM NATURAL GAS	U06	350	730	-52.1%	0	0.0%	350	730	-52.1%
SHORT TERM NATURAL GAS	U07	0	2,000	-100.0%	300	-100.0%	0	2,000	-100.0%
SHORT TERM NATURAL GAS	U08	0	300	-100.0%	200	-100.0%	0	300	-100.0%
SHORT TERM NATURAL GAS	U09	225	0	0.0%	175	28.6%	225	0	0.0%
SHORT TERM NATURAL GAS	U10	1,600	0	0.0%	0	0.0%	1,600	0	0.0%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	315	-100.0%	0	0	0.0%



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Energy Options									
SHORT TERM NATURAL GAS	U17	905	0	0.0%	0	0.0%	905	0	0.0%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	U19	805	400	101.3%	315	155.6%	805	400	101.3%
SHORT TERM NATURAL GAS	U20	1,375	530	159.4%	250	450.0%	1,375	530	159.4%
SHORT TERM NATURAL GAS	U21	0	325	-100.0%	450	-100.0%	0	325	-100.0%
SHORT TERM NATURAL GAS	U27	750	0	0.0%	0	0.0%	750	0	0.0%
SHORT TERM NATURAL GAS	U28	0	725	-100.0%	0	0.0%	0	725	-100.0%
SHORT TERM NATURAL GAS	U29	0	1,325	-100.0%	300	-100.0%	0	1,325	-100.0%
SHORT TERM NATURAL GAS	U30	410	0	0.0%	400	2.5%	410	0	0.0%
SHORT TERM NATURAL GAS	U31	430	0	0.0%	0	0.0%	430	0	0.0%
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	0	0.0%
SINGAPORE JET FUEL CALENDAR	N2	0	0	0.0%	480	-100.0%	0	0	0.0%
SOCAL PIPE SWAP	ZN	0	0	0.0%	0	0.0%	0	0	0.0%
WTI 12 MONTH CALENDAR OPT	WZ	0	0	0.0%	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	BV	88,340	46,815	88.7%	99,625	-11.3%	88,340	46,815	88.7%
WTI CRUDE OIL 1 M CSO FI	7A	52,300	227,972	-77.1%	173,200	-69.8%	52,300	227,972	-77.1%
Metals Futures									
COMEX GOLD	GC	5,978,892	4,101,983	45.8%	3,521,572	69.8%	5,978,892	4,101,983	45.8%
NYMEX HOT ROLLED STEEL	HR	5,501	3,058	79.9%	2,717	102.5%	5,501	3,058	79.9%
NYMEX PLATINUM	PL	345,619	284,203	21.6%	423,172	-18.3%	345,619	284,203	21.6%
PALLADIUM	PA	111,959	90,129	24.2%	91,224	22.7%	111,959	90,129	24.2%
URANIUM	UX	370	400	-7.5%	288	28.5%	370	400	-7.5%
COMEX SILVER	SI	1,414,048	960,457	47.2%	1,135,529	24.5%	1,414,048	960,457	47.2%
COMEX E-Mini GOLD	QO	12,172	7,108	71.2%	7,266	67.5%	12,172	7,108	71.2%
COMEX E-Mini SILVER	QI	890	539	65.1%	1,011	-12.0%	890	539	65.1%
COMEX COPPER	HG	1,697,259	1,323,985	28.2%	1,433,779	18.4%	1,697,259	1,323,985	28.2%
COMEX MINY COPPER	QC	603	433	39.3%	559	7.9%	603	433	39.3%
Aluminium MW Trans Prem Platts	AUP	16,829	7,276	131.3%	2,469	581.6%	16,829	7,276	131.3%
ALUMINUM	A38	0	0	-	80	-100.0%	0	0	-
ALUMINUM	AEP	6,770	684	889.8%	909	644.8%	6,770	684	889.8%
ALUMINUM	ALA	0	0	-	0	0.0%	0	0	-
ALUMINUM	ALI	1,734	219	691.8%	468	270.5%	1,734	219	691.8%

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Metals Futures									
ALUMINUM	EDP	2	0	-	1,044	-99.8%	2	0	-
ALUMINUM	MJP	2,554	1,533	66.6%	760	236.1%	2,554	1,533	66.6%
COPPER	HGS	60	427	-85.9%	65	-7.7%	60	427	-85.9%
E-MICRO GOLD	MGC	76,748	54,153	41.7%	59,280	29.5%	76,748	54,153	41.7%
FERROUS PRODUCTS	BUS	0	0	0.0%	0	0.0%	0	0	0.0%
FERROUS PRODUCTS	SSF	0	0	0.0%	0	0.0%	0	0	0.0%
GOLD	GPS	0	0	-	0	0.0%	0	0	-
Gold Kilo	GCK	786	6,406	-87.7%	3,725	-78.9%	786	6,406	-87.7%
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	40	0	0.0%	0	0.0%	40	0	0.0%
IRON ORE 62 CHINA TSI FUTURES	TIO	10,637	29,447	-63.9%	13,841	-23.1%	10,637	29,447	-63.9%
LNDN ZINC	ZNC	5	44	-88.6%	3	66.7%	5	44	-88.6%
METALS	LED	0	0	-	0	0.0%	0	0	-
SILVER	SIL	5,802	5,977	-2.9%	6,475	-10.4%	5,802	5,977	-2.9%
Metals Options									
COMEX COPPER	HX	4,153	1,677	147.6%	1,833	126.6%	4,153	1,677	147.6%
COMEX GOLD	OG	697,763	721,975	-3.4%	734,009	-4.9%	697,763	721,975	-3.4%
COMEX SILVER	SO	94,442	73,091	29.2%	80,152	17.8%	94,442	73,091	29.2%
COPPER	H4E	0	0	0.0%	0	0.0%	0	0	0.0%
GOLD	OG1	1,556	663	134.7%	894	74.0%	1,556	663	134.7%
GOLD	OG2	2,072	577	259.1%	1,431	44.8%	2,072	577	259.1%
GOLD	OG3	1,739	636	173.4%	2,318	-25.0%	1,739	636	173.4%
GOLD	OG4	201	471	-57.3%	1,092	-81.6%	201	471	-57.3%
GOLD	OG5	0	756	-100.0%	671	-100.0%	0	756	-100.0%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	872	3,880	-77.5%	160	445.0%	872	3,880	-77.5%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	1,965	4,470	-56.0%	355	453.5%	1,965	4,470	-56.0%
NYMEX PLATINUM	PO	4,428	6,043	-26.7%	5,650	-21.6%	4,428	6,043	-26.7%
PALLADIUM	PAO	4,688	2,050	128.7%	4,232	10.8%	4,688	2,050	128.7%
SILVER	SO1	11	0	0.0%	0	0.0%	11	0	0.0%
SILVER	SO2	11	0	0.0%	1	1,000.0%	11	0	0.0%
SILVER	SO3	21	0	0.0%	254	-91.7%	21	0	0.0%
SILVER	SO4	2	0	0.0%	215	-99.1%	2	0	0.0%
SILVER	SO5	0	5	-100.0%	8	-100.0%	0	5	-100.0%

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME JAN 2017	VOLUME JAN 2016	% CHG	VOLUME DEC 2017	% CHG	VOLUME Y.T.D 2017	VOLUME Y.T.D 2016	% CHG
TOTAL FUTURES GROUP								
Commodities and Alternative Investments Futures	21	502	-95.8%	14	50.0%	21	502	-95.8%
Energy Futures	44,223,282	41,753,628	5.9%	46,968,278	-5.8%	44,223,282	41,753,628	5.9%
Metals Futures	9,689,280	6,878,461	40.9%	6,706,236	44.5%	9,689,280	6,878,461	40.9%
TOTAL FUTURES	53,912,583	48,632,591	10.9%	53,674,528	0.4%	53,912,583	48,632,591	10.9%
TOTAL OPTIONS GROUP								
Energy Options	6,524,702	7,556,253	-13.7%	7,083,973	-7.9%	6,524,702	7,556,253	-13.7%
Metals Options	813,924	816,294	-0.3%	833,275	-2.3%	813,924	816,294	-0.3%
TOTAL OPTIONS	7,338,626	8,372,547	-12.3%	7,917,248	-7.3%	7,338,626	8,372,547	-12.3%
TOTAL COMBINED								
Commodities and Alternative Investments	21	502	-95.8%	14	50.0%	21	502	-95.8%
Energy	50,747,984	49,309,881	2.9%	54,052,251	-6.1%	50,747,984	49,309,881	2.9%
Metals	10,503,204	7,694,755	36.5%	7,539,511	39.3%	10,503,204	7,694,755	36.5%
GRAND TOTAL	61,251,209	57,005,138	7.4%	61,591,776	-0.6%	61,251,209	57,005,138	7.4%