

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Commodities and Alternative Investments																			
Futures																			
COCOA TAS	CJ	0	0	0.0%	21	213	-0.9	0	0	0.0%	0	0	0.0%	74	1,083	-93.2%	0	0	0.0%
COFFEE	KT	0	0	0.0%	20	7	1.86	0	0	0.0%	0	0	0.0%	40	79	-49.4%	0	0	0.0%
COTTON	TT	0	0	0.0%	10	14	-0.29	0	0	0.0%	0	0	0.0%	14	308	-95.5%	0	0	0.0%
SUGAR 11	YO	0	0	0.0%	7	40	-0.83	0	0	0.0%	0	0	0.0%	25	282	-91.1%	0	0	0.0%
Energy Futures																			
CRUDE OIL PHY	CL	0	1,798	-100.0%	26,861,596	20,914,705	0.28	664,149	562,323	18.1%	0	14,435	-100.0%	115,265,999	111,822,133	3.1%	2,856,442	3,457,969	-17.4%
CRUDE OIL	WS	0	0	0.0%	4	0	0	5,352	852	528.2%	0	0	0.0%	204	0	0.0%	33,075	72,202	-54.2%
MINY WTI CRUDE OIL	QM	0	0	0.0%	337,645	313,784	0.08	0	0	0.0%	0	0	0.0%	1,252,992	1,572,379	-20.3%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	2,364,058	1,761,018	0.34	21,337	17,129	24.6%	0	0	0.0%	10,067,943	10,768,550	-6.5%	112,011	96,578	16.0%
HEATING OIL PHY	HO	0	61	-100.0%	3,604,751	3,150,682	0.14	262,613	253,792	3.5%	0	628	-100.0%	15,849,131	14,724,768	7.6%	1,262,612	1,127,069	12.0%
HTG OIL	BH	0	0	0.0%	36	0	0	0	36	-100.0%	0	0	0.0%	36	0	0.0%	48	5,202	-99.1%
MINY HTG OIL	QH	0	0	0.0%	2	7	-0.71	0	0	0.0%	0	0	0.0%	13	40	-67.5%	0	0	0.0%
RBOB PHY	RB	0	51	-100.0%	4,029,069	3,594,816	0.12	314,430	195,934	60.5%	0	324	-100.0%	19,178,385	17,123,392	12.0%	1,449,234	838,879	72.8%
MINY RBOB GAS	QU	0	0	0.0%	4	3	0.33	0	0	0.0%	0	0	0.0%	24	20	20.0%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	52,920	10,681	3.95	120,586	94,665	27.4%	0	800	-100.0%	169,330	45,221	274.4%	605,056	489,146	23.7%
LTD NAT GAS	HH	0	0	0.0%	125,949	62,313	1.02	176,834	115,144	53.6%	0	0	0.0%	542,469	360,194	50.6%	917,277	830,688	10.4%
MINY NATURAL GAS	QG	0	0	0.0%	22,023	22,730	-0.03	0	0	0.0%	0	0	0.0%	147,261	123,863	18.9%	0	0	0.0%
PJM MONTHLY	JM	0	0	0.0%	0	0	0	0	1,960	-100.0%	0	0	0.0%	0	0	0.0%	120	2,678	-95.5%
NATURAL GAS PHY	NG	0	345	-100.0%	9,064,621	6,886,881	0.32	325,206	202,385	60.7%	0	1,430	-100.0%	42,380,286	35,489,071	19.4%	1,552,675	1,068,693	45.3%
RBOB GAS	RT	0	0	0.0%	0	0	0	1,602	1,000	60.2%	0	0	0.0%	0	0	0.0%	8,260	6,391	29.2%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	25	209	-88.0%	0	0	0.0%	0	0	0.0%	872	1,499	-41.8%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	170	165	3.0%
AEP-DAYTON HUB DAILY	VD	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	N7	0	0	0.0%	0	0	0	0	2,448	-100.0%	0	0	0.0%	0	0	0.0%	0	4,160	-100.0%
ALGONQUIN CITYGATES BASIS	B4	0	0	0.0%	0	0	0	0	302	-100.0%	0	0	0.0%	0	0	0.0%	0	3,293	-100.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ANR OKLAHOMA	NE	0	0	0.0%	0	0	0	0	240	-100.0%	0	0	0.0%	0	0	0.0%	0	3,168	-100.0%
APPALACHIAN COAL (PHY)	QL	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	0	130	-100.0%

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Energy Futures																			
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	60	0	0	4,035	19,013	-78.8%	0	0	0.0%	60	0	0.0%	33,450	69,306	-51.7%
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	1,327	2,039	-34.9%	0	0	0.0%	0	0	0.0%	6,797	7,609	-10.7%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	722	1,234	-41.5%	0	0	0.0%	0	0	0.0%	4,939	4,913	0.5%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0	0	77	1,130	-93.2%	0	0	0.0%	0	0	0.0%	993	2,541	-60.9%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0	0	0	40	-100.0%	0	0	0.0%	0	0	0.0%	138	770	-82.1%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	750	1,649	-54.5%	0	0	0.0%	0	0	0.0%	12,317	11,930	3.2%
BRENT CFD SWAP	6W	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	12,700	0	0.0%	0	0	0.0%	0	0	0.0%	24,056	1,755	1,270.7%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,394	-100.0%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	0	162	-100.0%	0	0	0.0%	0	0	0.0%	0	308	-100.0%
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 MW P	9X	0	-	-	0	-	0	-	-	-	0	-	0	-	-	0	7,940	-	-
CAISO SP15 EZGNHUB5 PEAK	9Z	0	-	-	0	-	0	-	-	-	0	-	0	-	-	0	0	-	-
CANADIAN LIGHT SWEET OIL	CIL	0	0	0.0%	0	0	0	4,260	7,145	-40.4%	0	0	0.0%	0	0	0.0%	6,819	10,730	-36.4%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0	0	0	1,702	-100.0%	0	0	0.0%	0	0	0.0%	534	8,972	-94.0%
CENTERPOINT EAST INDEX	II	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CENTER POINT NAT GAS FIXED	DAC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	165	1,181	-0.86	136,699	87,705	55.9%	0	0	0.0%	1,247	5,328	-76.6%	633,380	447,022	41.7%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	0	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	0	0	0.0%	832	1,292	-35.6%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	0	175	-100.0%	0	0	0.0%	0	0	0.0%	0	1,600	-100.0%
CIG BASIS	CI	0	0	0.0%	0	0	0	0	16,515	-100.0%	0	0	0.0%	0	0	0.0%	186	42,457	-99.6%
CIG ROCKIES NG INDEX SWA	Z8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	720	930	-22.6%
CINERGY HUB OFF-PEAK MON	EJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
CINERGY HUB PEAK MONTH	EM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	K2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	182,680	162,920	12.1%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	0	0	796	380	109.5%	0	0	0.0%	0	0	0.0%	10,901	11,380	-4.2%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	46,840	93,760	-50.0%	0	0	0.0%	0	0	0.0%	273,040	684,464	-60.1%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0	0	1,070	3,180	-66.4%	0	0	0.0%	0	0	0.0%	21,070	50,416	-58.2%
COAL SWAP	ACM	0	0	0.0%	0	0	0	150	15	900.0%	0	0	0.0%	0	0	0.0%	1,060	1,670	-36.5%
COAL SWAP	SSI	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	0	137	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	13,508	-100.0%
COLUMBIA GULF MAIN NAT G	L2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,208	-100.0%

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Energy Futures																			
COLUMBIA GULF NAT GAS FIXE	DCE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
COLUMBIA GULF ONSHORE	GL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,108	-100.0%
CONWAY NATURAL GASOLINE	8L	0	0	0.0%	0	0	0	33	75	-56.0%	0	0	0.0%	0	0	0.0%	1,087	1,030	5.5%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	1,485	75	1,880.0%	0	0	0.0%	0	0	0.0%	4,754	354	1,242.9%
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	20	0	0	9,323	3,888	139.8%	0	0	0.0%	39	0	0.0%	41,998	29,778	41.0%
CRUDE OIL	CHB	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	0	-	-
CRUDE OIL	LPS	0	0	0.0%	0	0	0	4,827	3,968	21.6%	0	0	0.0%	0	0	0.0%	19,097	26,727	-28.5%
CRUDE OIL OUTRIGHTS	37	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	42	0	0	0.0%	0	0	0	113	204	-44.6%	0	0	0.0%	0	0	0.0%	3,645	431	745.7%
CRUDE OIL OUTRIGHTS	CC5	0	-	-	0	-	0	180	-	-	0	-	-	0	-	-	330	-	-
CRUDE OIL OUTRIGHTS	CSN	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	30	-	-
CRUDE OIL OUTRIGHTS	CSW	0	-	-	0	-	0	150	-	-	0	-	-	0	-	-	1,030	-	-
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	800	50	1,500.0%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	110	-	-
CRUDE OIL OUTRIGHTS	HTT	0	0	0.0%	0	0	0	7,636	830	820.0%	0	0	0.0%	0	0	0.0%	44,282	3,262	1,257.5%
CRUDE OIL OUTRIGHTS	LSW	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	30	-	-
CRUDE OIL OUTRIGHTS	SSW	0	-	-	0	-	0	105	-	-	0	-	-	0	-	-	225	-	-
CRUDE OIL OUTRIGHTS	WCC	0	0	0.0%	0	0	0	150	5,846	-97.4%	0	0	0.0%	0	0	0.0%	23,697	30,634	-22.6%
CRUDE OIL OUTRIGHTS	WCW	0	-	-	0	-	0	6,090	-	-	0	-	-	0	-	-	9,935	-	-
CRUDE OIL PHY	CLL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CRUDE OIL SPRDS	38	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	325	-100.0%
CRUDE OIL SPRDS	WTT	0	0	0.0%	50	0	0	1,865	390	378.2%	0	0	0.0%	50	0	0.0%	26,919	4,937	445.3%
CRUDE OIL TRADE AT MARKER	CLS	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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%	0	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%	0	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%	0	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%	0	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%	0	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%	0	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%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	WOR	0	0	0.0%	0	0	0	0	2,720	-100.0%	0	0	0.0%	0	0	0.0%	0	2,720	-100.0%

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Energy Futures																			
DAILY PJM	ZA0	0	0	0.0%	0	0	0	0	0.0%	0	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	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	0	0.0%	0	0	0.0%	0	0	0.0%	
DATED BRENT (PLATTS) DAILY	7G	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0	0	1,300	1,250	4.0%	0	0	0.0%	0	0	0.0%	5,445	8,110	-32.9%
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	0	0	0	180	-100.0%	0	0	0.0%	0	0	0.0%	0	180	-100.0%
DEMARC SWING SWAP	DT	0	-	-	0	-	0	-	-	-	0	-	0	-	-	0	-	-	
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
DIESEL10PPM BARG VS ICE LS	LSE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
DLY GAS EURO-BOB OXY	GBR	0	-	-	0	-	0	-	-	-	0	-	0	-	-	0	-	-	
DOMINION TRAN INC - APP I	IH	0	0	0.0%	0	0	0	0	2,920	-100.0%	0	0	0.0%	0	0	0.0%	0	13,965	-100.0%
DOMINION TRANSMISSION INC	PG	0	0	0.0%	0	0	0	2,769	20,858	-86.7%	0	0	0.0%	0	0	0.0%	41,765	100,100	-58.3%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0	0	22,685	954	2,277.9%	0	0	0.0%	0	0	0.0%	51,889	5,050	927.5%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,500	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0	0	590	1,230	-52.0%	0	0	0.0%	0	0	0.0%	3,804	5,227	-27.2%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	45	20	125.0%	0	0	0.0%	0	0	0.0%	1,185	56	2,016.1%
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	0	1,407	659	113.5%	0	0	0.0%	0	0	0.0%	4,590	6,421	-28.5%
ELEC ERCOT DLY OFF PK	R4	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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%	0	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%	0	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%	-	0	0.0%	-	0	0.0%
ELEC FINSETTLED	47	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,270	-100.0%
ELEC FINSETTLED	49	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ELEC MISO PEAK	4L	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ELEC MISO PEAK	55	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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%	0	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%	0	0	0.0%	0	0	0.0%	0	23,480	-100.0%
ELECTRICITY OFF PEAK	4P	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ELEC WEST POWER OFF-PEAK	MDA	0	-	-	0	-	0	-	-	-	0	-	0	-	-	0	-	-	
ELEC WEST POWER PEAK	MDC	0	-	-	0	-	0	-	-	-	0	-	0	-	-	1,540	-	-	

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Energy Futures																			
EL PASO PERMIAN INDEX SWA EMISSIONS	IL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	372	-100.0%	
ERCOT HOUSTON Z MCPE 5M	CPL	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ERCOT NORTH ZMCPE 5MW OF	I1	0	-	-	0	-	420	-	-	0	-	-	0	-	-	420	-	-	
ERCOT NORTH ZMCPE 5MW OF	I8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ERCOT NORTH ZMCPE 5MW PE	I6	0	0	0.0%	0	0	0	14,720	0.0%	0	0	0.0%	0	0	0.0%	14,720	4,280	243.9%	
ETHANOL T2 FOB ROTT INCL D	I5	0	0	0.0%	0	0	0	420	0.0%	0	0	0.0%	0	0	0.0%	1,250	235	431.9%	
EU LOW SULPHUR GASOIL CRA	Z1	0	0	0.0%	0	0	0	2,682	-10.2%	0	0	0.0%	0	0	0.0%	17,542	11,586	51.4%	
EURO 1% FUEL OIL NEW BALM	LSC	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
EURO 3.5% FUEL OIL RDAM B	KX	0	0	0.0%	0	0	0	8	0.0%	0	0	0.0%	0	0	0.0%	18	210	-91.4%	
EURO 3.5% FUEL OIL SPREAD	KR	0	0	0.0%	0	0	0	633	164.9%	0	0	0.0%	0	0	0.0%	2,914	1,677	73.8%	
EURO-DENOMINATED PETRO P	FK	0	0	0.0%	0	0	0	412	-21.5%	0	0	0.0%	0	0	0.0%	2,276	3,008	-24.3%	
EURO-DENOMINATED PETRO P	IBE	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
EURO GASOIL 10 CAL SWAP	NCP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,340	70	1,814.3%	
EURO GASOIL 10PPM VS ICE	GT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%	
EUROPE 1% FUEL OIL NWE CA	ET	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	198	300	-34.0%	
EUROPE 1% FUEL OIL RDAM C	UF	0	0	0.0%	0	0	0	108	47.9%	0	0	0.0%	0	0	0.0%	653	757	-13.7%	
EUROPE 3.5% FUEL OIL MED	UH	0	0	0.0%	0	0	0	10	0.0%	0	0	0.0%	0	0	0.0%	26	114	-77.2%	
EUROPE 3.5% FUEL OIL RDAM	UI	0	0	0.0%	0	0	0	65	-78.5%	0	0	0.0%	0	0	0.0%	1,159	2,084	-44.4%	
EUROPEAN GASOIL (ICE)	UV	0	0	0.0%	0	0	0	8,278	36.6%	0	0	0.0%	0	0	0.0%	47,059	32,447	45.0%	
EUROPEAN NAPHTHA BALMO	7F	0	0	0.0%	4,195	97,722	-0.96	0	0.0%	0	0	0.0%	15,294	1,288,382	-98.8%	0	77,400	-100.0%	
EUROPEAN NAPHTHA CRACK SF	KZ	0	0	0.0%	0	0	0	301	230.8%	0	0	0.0%	0	0	0.0%	1,835	729	151.7%	
EUROPE DATED BRENT SWAP	EN	0	0	0.0%	0	0	0	9,281	53.7%	0	0	0.0%	0	0	0.0%	38,236	20,229	89.0%	
EUROPE JET KERO NWE CALS	UB	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	416	14,258	-97.1%	
EUROPE NAPHTHA CALSWAP	UJ	0	0	0.0%	0	0	0	12	0.0%	0	0	0.0%	0	0	0.0%	60	38	57.9%	
EURO PROPANE CIF ARA SWA	UN	0	0	0.0%	0	0	0	2,759	154.1%	0	0	0.0%	0	0	0.0%	13,683	5,709	139.7%	
FL GAS ZONE 3 NAT GAS IND	PS	0	0	0.0%	0	0	0	1,041	-18.5%	0	0	0.0%	0	0	0.0%	5,876	5,440	8.0%	
FLORIDA GAS ZONE3 BASIS S	Q9	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
FREIGHT MARKETS	FP	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	826	-100.0%	
FUEL OIL CRACK VS ICE	FLP	0	0	0.0%	0	0	0	41	-86.8%	0	0	0.0%	0	0	0.0%	386	1,157	-66.6%	
FUEL OIL (PLATS) CAR CM	FO	0	0	0.0%	0	0	0	5,870	70.5%	0	0	0.0%	0	0	0.0%	21,019	20,304	3.5%	
FUEL OIL (PLATS) CAR CN	FI	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	32	-100.0%	
FUELOIL SWAP:CARGOES VS.B	1W	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	161	-100.0%	
	1X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	54	-100.0%	
	FS	0	0	0.0%	0	0	0	342	6.5%	0	0	0.0%	0	0	0.0%	1,477	2,523	-41.5%	

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Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	6,905	7,871	-12.3%	0	0	0.0%	0	0	0.0%	38,289	39,086	-2.0%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	19,359	11,035	75.4%	0	0	0.0%	0	0	0.0%	101,939	74,010	37.7%
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6	-100.0%
GASOIL 0.1 CARGOES CIF NE	TW	-	0	0.0%	-	0	0	-	0	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%	-	0	0.0%	-	0	0.0%
GASOIL 0.1 CIF MED SWAP	Z4	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	0	75	-100.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	80	-37.5%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	5	300.0%
GASOIL 0.1 CRG CIF NW VS	4V	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	120	55	118.2%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	50	0	0.0%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
GASOIL 10PPM CARGOES CIF	TY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	0	80	-100.0%	0	0	0.0%	0	0	0.0%	460	134	243.3%
GASOIL BULLET SWAP	BG	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	0	208	32	550.0%	0	0	0.0%	0	0	0.0%	241	232	3.9%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	5,397	12,923	-58.2%	0	0	0.0%	0	0	0.0%	38,065	20,391	86.7%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	0	252	367	-31.3%	0	0	0.0%	0	0	0.0%	907	1,364	-33.5%
GASOLINE UP-DOWN BALMO S	1K	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	810	-100.0%
GC ULSD VS GC JET SPREAD	VV	-	0	0.0%	-	0	0	-	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	0	1,815	1,800	0.8%	0	0	0.0%	0	0	0.0%	13,321	10,785	23.5%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	0	600	875	-31.4%	0	0	0.0%	0	0	0.0%	3,154	5,615	-43.8%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	1,208	864	39.8%	0	0	0.0%	0	0	0.0%	5,943	4,843	22.7%
GULF COAST GASOLINE CLND	GS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,300	-100.0%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	90	56	60.7%	0	0	0.0%	0	0	0.0%	546	589	-7.3%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	50,762	32,426	56.5%	0	0	0.0%	0	0	0.0%	226,474	160,989	40.7%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	46,067	53,845	-14.4%	0	0	0.0%	0	0	0.0%	293,211	301,340	-2.7%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	490	100	390.0%	0	0	0.0%	0	0	0.0%	7,459	4,438	68.1%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	1,057	624	69.4%	0	0	0.0%	0	3	-100.0%	2,630	4,510	-41.7%
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	540	753	-28.3%	0	0	0.0%	0	0	0.0%	1,540	4,200	-63.3%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	210	75	180.0%	0	0	0.0%	0	0	0.0%	580	295	96.6%
HEATING OIL CRCK SPRD BAL	1H	0	0	0.0%	0	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%

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Energy Futures																			
HEATING OIL PHY	HOL	0	0	0.0%	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%	
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	0	0	10,920	15,097	-27.7%	0	0	0.0%	2,996	0	0.0%	43,258	133,206	-67.5%
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	10,920	15,097	-27.7%	0	0	0.0%	2,996	0	0.0%	41,680	126,029	-66.9%
HENRY HUB SWAP	NN	0	736	-100.0%	8,473	152,325	-0.94	189,985	176,596	7.6%	0	1,472	-100.0%	52,677	1,012,944	-94.8%	773,992	1,442,576	-46.3%
HENRY HUB SWING FUTURE	SN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	290	-100.0%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0	0	1,095	7,249	-84.9%	0	0	0.0%	0	0	0.0%	2,064	20,097	-89.7%
HOUSTON SHIP CHANNEL INDE	IP	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	DB	0	0	0.0%	0	0	0	23,050	0	0.0%	0	0	0.0%	0	0	0.0%	65,143	10	651,330.0%
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	175	-1	0	8,250	-100.0%	0	0	0.0%	0	225	-100.0%	2,850	22,526	-87.3%
INDIANA MISO	FAD	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	-	0	0.0%	-	0	0.0%
INDIANA MISO	FTD	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PDD	0	0	0.0%	0	0	0	0	112	-100.0%	0	0	0.0%	0	0	0.0%	0	112	-100.0%
INDIANA MISO	PDM	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDONESIAN COAL	MCC	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	5	70	-92.9%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	20	-50.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	535	0	0.0%	0	0	0.0%	0	0	0.0%	2,340	2,141	9.3%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	1,768	1,184	49.3%	0	0	0.0%	0	0	0.0%	8,705	5,862	48.5%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	382	3	12,633.3%	0	0	0.0%	0	0	0.0%	1,161	290	300.3%
JET AV FUEL (P) CAR FM ICE G	1V	0	0	0.0%	0	0	0	0	36	-100.0%	0	0	0.0%	0	0	0.0%	0	80	-100.0%
JET BARGES VS ICE GASOIL	JR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	22	-100.0%
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	0	142	136	4.4%	0	0	0.0%	0	0	0.0%	522	436	19.7%
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	5	2	150.0%
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	0	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	20	30	-33.3%
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	0	8,420	3,259	158.4%	0	0	0.0%	0	0	0.0%	38,487	19,072	101.8%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	0	0	0.0%	0	0	0	360	1,010	-64.4%	0	0	0.0%	0	0	0.0%	1,045	4,162	-74.9%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	425	350	21.4%	0	0	0.0%	0	0	0.0%	1,125	4,350	-74.1%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	0	0	0	65	-100.0%	0	0	0.0%	0	0	0.0%	25	750	-96.7%
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	0	1,750	1,585	10.4%	0	0	0.0%	0	0	0.0%	8,710	8,747	-0.4%
LLS (ARGUS) CALENDAR SWAP	XA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	15	0	0	910	15,481	-94.1%	0	0	0.0%	15	0	0.0%	22,085	40,775	-45.8%
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	1,560	4,820	-67.6%	0	0	0.0%	0	0	0.0%	15,721	30,413	-48.3%
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	0	0	11,757	8,840	33.0%	0	0	0.0%	0	0	0.0%	107,759	44,812	140.5%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	200	0	0	650	2,345	-72.3%	0	0	0.0%	200	0	0.0%	10,415	6,754	54.2%
MCCLOSKEY ARA ARGS COAL	MTF	0	0	0.0%	0	0	0	60,583	159,461	-62.0%	0	0	0.0%	0	0	0.0%	273,221	984,817	-72.3%
MCCLOSKEY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	6,017	9,315	-35.4%	0	0	0.0%	0	0	0.0%	31,694	111,545	-71.6%
MGF FUT	MGF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	197	100	97.0%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	80	147	-45.6%	0	0	0.0%	0	0	0.0%	622	803	-22.5%
MICHCON NG INDEX SWAP	Y8	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	-	-	-
MICHIGAN BASIS	NF	0	0	0.0%	0	0	0	0	5,046	-100.0%	0	0	0.0%	0	0	0.0%	2,592	12,579	-79.4%
MICHIGAN MISO	HMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	59,040	127,640	-53.7%
MICHIGAN MISO	HMW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,195	7,240	-55.9%
MINI GAS EUROBOB OXY NWE	MEB	0	0	0.0%	0	0	0	626	295	112.2%	0	0	0.0%	0	0	0.0%	2,271	1,858	22.2%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	943	0	0.0%	0	0	0.0%	0	0	0.0%	2,125	696	205.3%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	2,537	1,476	71.9%	0	0	0.0%	0	0	0.0%	12,335	5,896	109.2%
MJB FUT	MJB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
MJC FUT	MJC	0	0	0.0%	0	0	0	10	81	-87.7%	0	0	0.0%	0	0	0.0%	270	449	-39.9%
MNC FUT	MNC	0	0	0.0%	0	0	0	4,373	2,581	69.4%	0	0	0.0%	0	0	0.0%	22,512	18,980	18.6%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	16,241	48,905	-66.8%	0	0	0.0%	0	0	0.0%	149,208	193,993	-23.1%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	247	0	0.0%	0	0	0.0%	0	0	0.0%	2,172	480	352.5%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	30	4	6.5	96,110	118,036	-18.6%	0	0	0.0%	130	40	225.0%	474,471	468,515	1.3%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	1,135	790	43.7%	0	0	0.0%	0	0	0.0%	10,211	2,786	266.5%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	0	3,961	9,111	-56.5%	0	0	0.0%	0	0	0.0%	22,794	46,056	-50.5%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	50	100	-50.0%	0	0	0.0%	0	0	0.0%	1,421	938	51.5%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	23,877	18,297	30.5%	0	0	0.0%	0	0	0.0%	147,836	116,801	26.6%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	388	607	-36.1%	0	0	0.0%	0	0	0.0%	4,590	2,987	53.7%
NAT GAS BASIS SWAP	SGW	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NAT GAS BASIS SWAP	TZ6	0	0	0.0%	0	0	0	0	3,348	-100.0%	0	0	0.0%	0	0	0.0%	1,737	13,382	-87.0%
NATURAL GAS	HBI	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
NATURAL GAS	XIC	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
NATURAL GAS	XSC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
NATURAL GAS FIXED PRICE S	CFS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NATURAL GAS FIXED PRICE S	DSF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NATURAL GAS FIXED PRICE S	MFS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NATURAL GAS FIXED PRICE S	PFS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NATURAL GAS FIXED PRICE S	WFS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NATURAL GAS FIXED PRICE S	Z5P	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NATURAL GAS FIXED PRICE S	ZTS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NATURAL GAS INDEX	TZI	0	0	0.0%	0	0	0	4,380	-100.0%	0	0	0.0%	0	0	0.0%	656	4,990	-86.9%	
NATURAL GAS PEN SWP	NP	0	0	0.0%	0	0	62,503	93,812	-33.4%	0	92	-100.0%	51	0	0.0%	482,277	532,840	-9.5%	
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	11,925	-100.0%	
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	635	-100.0%	
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	0	0	0	46,800	-100.0%	0	0	0.0%	0	0	0.0%	221,100	103,797	113.0%	
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0	2,980	3,840	-22.4%	0	0	0.0%	0	0	0.0%	13,380	7,310	83.0%	
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	640	-100.0%	
NEPOOL NEW HAMP 5MW D AH	U2	0	0	0.0%	0	0	0	0	0.0%	0	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	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	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	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	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	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	0	0.0%	0	0	0.0%	0	4,000	-100.0%	
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,685	-100.0%	
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEW YORK ETHANOL SWAP	EZ	0	0	0.0%	0	0	780	585	33.3%	0	0	0.0%	0	0	0.0%	3,185	9,425	-66.2%	
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	
NGPL MID-CONTINENT	NL	0	0	0.0%	0	0	400	1,988	-79.9%	0	0	0.0%	0	0	0.0%	1,144	20,810	-94.5%	
NGPL MIDCONTINENT INDEX	IW	0	0	0.0%	0	0	0	870	-100.0%	0	0	0.0%	0	0	0.0%	0	5,150	-100.0%	
NGPL MIDCONTINENT SWING S	PX	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
NGPL TEX/OK	PD	0	0	0.0%	0	0	760	513	48.1%	0	0	0.0%	0	0	0.0%	1,560	20,573	-92.4%	
NGPL TEXOK INDEX	OI	0	0	0.0%	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%	
N ILLINOIS HUB DAILY	UD	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
NO 2 UP-DOWN SPREAD CALE	UT	0	0	0.0%	0	0	0	825	0	0.0%	0	0	0.0%	0	0	0.0%	3,460	2,375	45.7%
NORTHEN NATURAL GAS DEM	PE	0	0	0.0%	0	0	0	0	548	-100.0%	0	0	0.0%	0	0	0.0%	0	1,595	-100.0%
NORTHEN NATURAL GAS VENT	PF	0	0	0.0%	0	0	0	84	1,152	-92.7%	0	0	0.0%	0	0	0.0%	84	5,228	-98.4%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	0.0%	0	0	0	368	28,473	-98.7%	0	0	0.0%	0	60	-100.0%	982	109,484	-99.1%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	845	3,480	-75.7%	0	0	0.0%	0	0	0.0%	11,775	11,483	2.5%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	189	-100.0%
NY 3.0% FUEL OIL (PLATTS	H1	0	0	0.0%	0	0	0	725	75	866.7%	0	0	0.0%	0	0	0.0%	2,985	800	273.1%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	25	30	-16.7%
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	0	0	0	2,125	1,614	31.7%	0	24	-100.0%	3	3	0.0%	12,175	13,435	-9.4%
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	775	831	-6.7%	0	0	0.0%	0	0	0.0%	2,948	3,681	-19.9%
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	2,182	2,228	-2.1%	0	0	0.0%	0	0	0.0%	15,862	20,796	-23.7%
NY HARBOR RESIDUAL FUEL C	ML	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	1,020	5,302	-80.8%	0	0	0.0%	0	0	0.0%	8,375	10,240	-18.2%
NY H OIL PLATTS VS NYMEX	YH	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NYISO CAPACITY	LHV	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	207	-	-
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	50	370	-86.5%	0	0	0.0%	0	0	0.0%	1,430	937	52.6%
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	300	378	-20.6%	0	0	0.0%	0	0	0.0%	1,060	1,136	-6.7%
NYISO G	KG	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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%	0	0	0.0%	0	0	0.0%	0	172	-100.0%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	80	-100.0%
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0	0	0	22,080	-100.0%	0	0	0.0%	0	0	0.0%	9,360	215,520	-95.7%
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0	0	110	0	0.0%	0	0	0.0%	0	0	0.0%	6,815	640	964.8%
NYISO ZONE C 5MW D AH O P	A3	0	0	0.0%	0	0	0	0	0	0.0%	0	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	110	0	0.0%	0	0	0.0%	0	0	0.0%	110	0	0.0%
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0	0	61,680	0	0.0%	0	0	0.0%	0	0	0.0%	320,880	280,750	14.3%
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	0	11,040	3,420	222.8%	0	0	0.0%	0	0	0.0%	35,590	15,249	133.4%
NYISO ZONE J 5MW D AH O P	D4	0	0	0.0%	0	0	0	46,800	0	0.0%	0	0	0.0%	0	0	0.0%	179,800	102,952	74.6%
NYISO ZONE J 5MW D AH PK	D3	0	0	0.0%	0	0	0	7,650	0	0.0%	0	0	0.0%	0	0	0.0%	16,995	7,767	118.8%
NY JET FUEL (PLATTS) HEAT OI	1U	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
NYMEX ALUMINUM FUTURES	AN	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	
NY ULSD (ARGUS) VS HEATING	7Y	0	0	0.0%	0	0	0	317	136	133.1%	0	0	0.0%	0	0	0.0%	7,364	2,678	175.0%
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	945	-100.0%	
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	160	-100.0%	
ONTARIO POWER SWAPS	OFM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,750	-100.0%	
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0	0	55	25	120.0%	0	0	0.0%	0	0	0.0%	195	115	69.6%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0	0	110	0	0.0%	0	0	0.0%	0	0	0.0%	650	440	47.7%
PANHANDLE BASIS SWAP FUT	PH	0	0	0.0%	0	0	0	0	14,767	-100.0%	0	0	0.0%	0	0	0.0%	48	47,127	-99.9%
PANHANDLE INDEX SWAP FUT	IV	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	558	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	864	0	0.0%
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0	0	0	4,409	-100.0%	0	0	0.0%	0	0	0.0%	214	18,484	-98.8%
PETROCHEMICALS	22	0	0	0.0%	0	0	0	102	117	-12.8%	0	0	0.0%	0	0	0.0%	408	315	29.5%
PETROCHEMICALS	32	0	0	0.0%	0	0	0	92	112	-17.9%	0	0	0.0%	0	0	0.0%	596	282	111.3%
PETROCHEMICALS	8I	0	0	0.0%	0	0	0	363	18	1,916.7%	0	0	0.0%	0	0	0.0%	3,186	904	252.4%
PETROCHEMICALS	9I	0	0	0.0%	0	0	0	127	344	-63.1%	0	0	0.0%	0	0	0.0%	1,076	898	19.8%
PETROCHEMICALS	HPE	0	0	0.0%	0	0	0	0	28	-100.0%	0	0	0.0%	0	0	0.0%	0	48	-100.0%
PETROCHEMICALS	LPE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	MAC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	110	-54.5%
PETROCHEMICALS	MAE	0	0	0.0%	0	0	0	10	80	-87.5%	0	0	0.0%	0	0	0.0%	20	220	-90.9%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	0	30	610	-95.1%	0	0	0.0%	0	0	0.0%	145	810	-82.1%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	0	1,210	2,410	-49.8%	0	0	0.0%	0	0	0.0%	5,245	12,895	-59.3%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	2,868	3,059	-6.2%	0	0	0.0%	0	0	0.0%	6,470	8,287	-21.9%
PETROCHEMICALS	MPS	0	-	-	0	-	0	10	-	-	0	-	0	-	-	0	10	-	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	105	1,050	-90.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0	0	0	64	-100.0%	0	0	0.0%	0	0	0.0%	264	64	312.5%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	150	0	0.0%	0	0	0.0%	0	0	0.0%	150	0	0.0%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	170	150	13.3%	0	0	0.0%	0	0	0.0%	780	378	106.3%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	2,582	1,149	124.7%	0	0	0.0%	0	0	0.0%	14,340	7,052	103.3%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	600	200	200.0%	0	0	0.0%	0	0	0.0%	4,090	2,900	41.0%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	200	225	-11.1%	0	0	0.0%	0	0	0.0%	3,405	400	751.3%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	125	100	25.0%	0	0	0.0%	0	0	0.0%	800	1,225	-34.7%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	1,966	515	281.7%	0	0	0.0%	0	0	0.0%	7,461	3,413	118.6%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	35	-100.0%

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	5,809	7,129	-18.5%	0	0	0.0%	0	0	0.0%	34,897	41,082	-15.1%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	0	0	0.0%	535	0	0.0%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	1,540	4,148	-62.9%	0	0	0.0%	0	0	0.0%	12,302	23,107	-46.8%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	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	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	86	420	-79.5%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	600	100	500.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
PETRO CRCKS & SPRDS NA	RBB	0	0	0.0%	0	0	0	11,069	12,964	-14.6%	0	0	0.0%	0	0	0.0%	47,279	48,341	-2.2%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	11,786	6,705	75.8%	0	0	0.0%	0	0	0.0%	78,357	33,894	131.2%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	6	34	-82.4%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	780	1,051	-25.8%	0	0	0.0%	0	0	0.0%	6,631	9,563	-30.7%
PETRO CRK&SPRD EURO	1ND	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	355	153	132.0%	0	0	0.0%	0	0	0.0%	1,261	862	46.3%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	BOB	0	0	0.0%	0	0	0	2,173	1,496	45.3%	0	0	0.0%	0	0	0.0%	11,724	10,641	10.2%
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	68	75	-9.3%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	473	367	28.9%	0	0	0.0%	0	0	0.0%	2,003	1,021	96.2%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	2,350	1,495	57.2%	0	0	0.0%	0	0	0.0%	15,232	6,993	117.8%
PETRO CRK&SPRD EURO	FBT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	360	-100.0%
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	0	275	200	37.5%	0	0	0.0%	0	0	0.0%	675	760	-11.2%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	35	54	-35.2%
PETRO CRK&SPRD EURO	LSU	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	70	0	0.0%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	40	107	-62.6%	0	0	0.0%	0	0	0.0%	686	523	31.2%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	25	20	25.0%	0	0	0.0%	0	0	0.0%	89	100	-11.0%
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	0	976	195	400.5%	0	0	0.0%	0	0	0.0%	5,474	1,429	283.1%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	40	-100.0%	0	0	0.0%	0	0	0.0%	155	65	138.5%
PETRO CRK&SPRD EURO	SFC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	D44	-	0	0.0%	-	0	0	-	0	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%	-	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%	-	0	0.0%	-	0	0.0%

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PETROLEUM PRODUCTS	D65	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	0	2,415	425	468.2%	0	0	0.0%	0	0	0.0%	15,512	475	3,165.7%
PETROLEUM PRODUCTS	MBS	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	80	521	-84.6%
PETROLEUM PRODUCTS	MGS	0	-	-	0	-	0	20	-	-	0	-	-	0	-	-	20	-	-
PETROLEUM PRODUCTS	MHE	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	0	-	-
PETROLEUM PRODUCTS	MME	0	-	-	0	-	0	20	-	-	0	-	-	0	-	-	20	-	-
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0	0	100	185	-45.9%	0	0	0.0%	0	0	0.0%	100	1,363	-92.7%
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	0	95	0	0.0%	0	0	0.0%	0	0	0.0%	799	884	-9.6%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	34	65	-47.7%	0	0	0.0%	0	0	0.0%	96	427	-77.5%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	0	2,171	1,210	79.4%	0	0	0.0%	0	0	0.0%	9,607	5,925	62.1%
PETROLEUM PRODUCTS ASIA	MSB	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	25	-	-
PETRO OUTRIGHT EURO	0A	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0	0	0	119	-100.0%	0	0	0.0%	0	0	0.0%	43	788	-94.5%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	76	-100.0%
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	0	2,313	3,784	-38.9%	0	0	0.0%	0	0	0.0%	12,955	22,776	-43.1%
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	0	378	868	-56.5%	0	0	0.0%	0	0	0.0%	2,996	4,472	-33.0%
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	0	1,316	535	146.0%	0	0	0.0%	0	0	0.0%	7,079	4,438	59.5%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	12	0	0.0%	0	0	0.0%	0	0	0.0%	60	20	200.0%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	80	194	-58.8%
PETRO OUTRIGHT EURO	5L	0	0	0.0%	0	0	0	77	280	-72.5%	0	0	0.0%	0	0	0.0%	411	680	-39.6%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	0	170	-100.0%	0	0	0.0%	0	0	0.0%	462	707	-34.7%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	0	0.0%
PETRO OUTRIGHT EURO	7I	0	0	0.0%	0	0	0	121	25	384.0%	0	0	0.0%	0	0	0.0%	530	725	-26.9%
PETRO OUTRIGHT EURO	7P	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	0	223	265	-15.8%	0	0	0.0%	0	0	0.0%	1,060	1,263	-16.1%
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0	0	0	35	-100.0%	0	0	0.0%	0	0	0.0%	0	55	-100.0%
PETRO OUTRIGHT EURO	CBB	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	42	-	-
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6	-100.0%
PETRO OUTRIGHT EURO	CPB	0	0	0.0%	0	0	0	110	10	1,000.0%	0	0	0.0%	0	0	0.0%	1,803	197	815.2%
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	270	311	-13.2%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	296	90	228.9%
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	0	0	0	0	75	-100.0%	0	0	0.0%	0	0	0.0%	60	583	-89.7%
PETRO OUTRIGHT EURO	ESB	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	6	-	-

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Energy Futures																			
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	0	508	50	916.0%	0	0	0.0%	0	0	0.0%	3,627	637	469.4%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	0	0.0%
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	30	0	0.0%	0	0	0.0%	0	0	0.0%	150	34	341.2%
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	0	1,155	1,162	-0.6%	0	0	0.0%	0	0	0.0%	3,673	5,489	-33.1%
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	40	40	0.0%	0	0	0.0%	0	0	0.0%	40	40	0.0%
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	110	192	-42.7%
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	375	90	316.7%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	0	0.0%
PETRO OUTRIGHT EURO	W0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
PETRO OUTRIGHT EURO	X0	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0	0	204	256	-20.3%	0	0	0.0%	0	0	0.0%	758	482	57.3%
PETRO OUTRIGHT NA	FOB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	40	3	1,233.3%
PETRO OUTRIGHT NA	GBA	0	0	0.0%	0	0	0	0	8	-100.0%	0	0	0.0%	0	0	0.0%	0	8	-100.0%
PETRO OUTRIGHT NA	GUD	0	0	0.0%	0	0	0	0	13	-100.0%	0	0	0.0%	0	0	0.0%	0	13	-100.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	132	0	0.0%	0	0	0.0%	0	0	0.0%	150	439	-65.8%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	0	2,195	1,915	14.6%	0	0	0.0%	0	0	0.0%	20,547	9,085	126.2%
PETRO OUTRIGHT NA	JTB	0	-	-	0	-	-	300	-	-	0	-	-	0	-	-	300	-	-
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	0	90	-100.0%	0	0	0.0%	0	0	0.0%	135	90	50.0%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	646	395	63.5%	0	0	0.0%	0	0	0.0%	3,693	3,764	-1.9%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	10,013	8,787	14.0%	0	0	0.0%	0	0	0.0%	56,892	45,749	24.4%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	25	0	0.0%	0	0	0.0%	0	0	0.0%	25	300	-91.7%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	53	215	-75.3%	0	0	0.0%	0	0	0.0%	416	883	-52.9%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	625	0	0.0%
PETRO OUTRIGHT NA	XER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	0	184,520	-100.0%	0	0	0.0%	0	0	0.0%	264,125	875,456	-69.8%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	220	13,943	-98.4%	0	0	0.0%	0	0	0.0%	18,930	54,667	-65.4%
PJM AECO DA OFF-PEAK	X1	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	0	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%	0	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%	0	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%	0	0	0.0%	0	0	0.0%	46,800	0	0.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,550	0	0.0%

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Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG
Energy Futures																		
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	23,400	-100.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,275	-100.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	85,390	187,200	-54.4%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,675	10,200	-54.2%
PJM DAILY	JD	0	0	0.0%	0	0	0	1,300	-100.0%	0	0	0.0%	0	0	0.0%	0	1,300	-100.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	211,995	21,305	895.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5,250	765	586.3%
PJM DUQUESNE 5MW D AH PK	D5	-	0	0.0%	-	0	-	0	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	0.0%	-	0	0.0%
PJM JCPL DA OFF-PEAK	F2	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0	4,645	5,740	-19.1%	0	0	0.0%	0	0	0.0%	73,410	24,783	196.2%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	19,220	145,720	-86.8%	0	0	0.0%	0	0	0.0%	1,592,450	700,557	127.3%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0	3,680	7,387	-50.2%	0	0	0.0%	0	0	0.0%	661,967	306,222	116.2%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	1,275	547	133.1%	0	0	0.0%	0	0	0.0%	37,751	13,495	179.7%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0	0	140	-100.0%	0	0	0.0%	0	0	0.0%	0	140	-100.0%
PJM PECO ZONE5MW PEAK CA	4N	0	0	0.0%	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%
PJM PPL DA OFF-PEAK	F5	0	0	0.0%	0	0	0	0	0.0%	0	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	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	0	0.0%	0	0	0.0%	0	163,800	-100.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,100	-100.0%
PJM WES HUB PEAK LMP 50 M	4S	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	7,500	417,490	-98.2%
PJM WESTH DA PEAK	J4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,340	20,960	-93.6%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	241,380	557,530	-56.7%	0	0	0.0%	0	0	0.0%	1,458,195	4,000,491	-63.5%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	40,175	42,005	-4.4%	0	0	0.0%	0	0	0.0%	126,414	331,734	-61.9%
PLASTICS	PGP	0	0	0.0%	0	0	475	0	0.0%	0	0	0.0%	0	0	0.0%	2,593	1,801	44.0%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	95	80	18.8%	0	0	0.0%	0	0	0.0%	326	1,600	-79.6%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	65	3	2,066.7%	0	0	0.0%	0	0	0.0%	100	164	-39.0%
PREM UNL GAS 10PPM RDAM F	7N	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	7	2	250.0%
PREM UNL GAS 10PPM RDAM F	7L	0	0	0.0%	0	0	5	27	-81.5%	0	0	0.0%	0	0	0.0%	37	173	-78.6%
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	45	530	-91.5%	0	0	0.0%	0	0	0.0%	3,496	1,479	136.4%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	4,477	15,728	-71.5%	0	0	0.0%	0	0	0.0%	41,147	50,780	-19.0%

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Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
RBOB CALENDAR SWAP	RL	0	0	0.0%	5	0	0	5,738	5,614	2.2%	0	0	0.0%	5	0	0.0%	35,132	27,043	29.9%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	100	1,999	-95.0%	0	0	0.0%	0	0	0.0%	2,079	9,901	-79.0%
RBOB CRACK SPREAD BALMO	1E	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%
RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	0	1,704	1,126	51.3%	0	0	0.0%	0	0	0.0%	4,117	3,326	23.8%
RBOB PHY	RBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RBOB (PLATTS) CAL SWAP	RY	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	-	-	-
RBOB SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RBOB UP-DOWN CALENDAR S	RV	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	9,203	-100.0%
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0	0	1,220	1,705	-28.4%	0	0	0.0%	0	0	0.0%	10,805	6,711	61.0%
ROCKIES KERN OPAL - NW IN	IR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	736	-100.0%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0	0	0	15,212	-100.0%	0	0	0.0%	0	0	0.0%	214	36,178	-99.4%
SAN JUAN PIPE SWAP	XX	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	70	25	180.0%	0	0	0.0%	0	0	0.0%	312	329	-5.2%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	261	164	59.1%	0	0	0.0%	0	0	0.0%	1,108	718	54.3%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	9,536	5,216	82.8%	0	0	0.0%	0	0	0.0%	59,787	28,204	112.0%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	760	1,538	-50.6%	0	0	0.0%	0	0	0.0%	6,157	6,605	-6.8%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	859	917	-6.3%	0	0	0.0%	0	0	0.0%	4,452	2,369	87.9%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	120	172	-30.2%	0	0	0.0%	0	0	0.0%	773	1,420	-45.6%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	4,530	4,067	11.4%	0	0	0.0%	0	0	0.0%	25,189	16,789	50.0%
SINGAPORE GASOIL	STL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	0	0.0%	700	0	0.0%
SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	0	145	0	0.0%	0	0	0.0%	0	0	0.0%	1,719	187	819.3%
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	17	0	0	8,881	4,527	96.2%	0	0	0.0%	30	0	0.0%	53,818	18,817	186.0%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	2,954	4,540	-34.9%	0	0	0.0%	0	0	0.0%	47,229	9,200	413.4%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	155	0	0.0%	0	0	0.0%	0	0	0.0%	412	56	635.7%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	1,975	50	3,850.0%	0	0	0.0%	0	0	0.0%	11,555	3,080	275.2%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	1,115	150	643.3%	0	0	0.0%	0	0	0.0%	6,884	2,440	182.1%
SINGAPORE JET KERO VS. GAS	ZO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	761	568	34.0%	0	0	0.0%	0	0	0.0%	1,183	2,803	-57.8%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	4	0	0	2,892	3,153	-8.3%	0	0	0.0%	5	0	0.0%	37,436	31,257	19.8%
SINGAPORE NAPHTHA BALMO	KU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
SINGAPORE NAPHTHA SWAP	SP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SING FUEL	MSD	0	0	0.0%	0	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	40	5	700.0%
SOCAL BASIS SWAP	NS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

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Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
SOCAL PIPE SWAP	XN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,600	-100.0%	
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	368	-100.0%	
SOUTHERN NAT LA NAT GAS	M8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	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	0	0.0%	0	0	0.0%	0	264	-100.0%	
Sumas Basis Swap	NK	0	0	0.0%	0	0	0	1,029	-87.1%	0	0	0.0%	0	0	0.0%	4,685	12,161	-61.5%	
SUMAS NAT GAS PLATTS FIXE	DVS	0	0	0.0%	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%	
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	15	-100.0%	
TCO BASIS SWAP	TC	0	0	0.0%	0	0	0	186	210.0%	0	0	0.0%	0	0	0.0%	7,402	13,631	-45.7%	
TCO NG INDEX SWAP	Q1	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	0	1,037	-100.0%	
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	428	393	8.9%	
TENNESSEE 800 LEG NG BASI	6Z	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	734	-100.0%	
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	788	-100.0%	
Tetco ELA Basis	TE	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
TETCO M-3 INDEX	IX	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	6,998	-100.0%	
Tetco STX Basis	TX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	881	-100.0%	
TEXAS EASTERN ZONE M-3 BA	NX	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	7,547	41,660	-81.9%	
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%	
Transco Zone 3 Basis	CZ	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	302	610	-50.5%	
TRANSCO ZONE 3 NG INDEX S	Y6	0	-	-	0	-	0	-	-	0	-	-	0	-	-	6,256	-	-	
TRANSCO ZONE4 BASIS SWAP	TR	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	5,891	12,494	-52.8%	
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	465	496	-6.3%	
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	2,870	4,501	-36.2%	
TRANSCO ZONE 6 INDEX	IT	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	856	5,410	-84.2%	
TRANSCO ZONE 6 PIPE SWAP	XZ4	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
UCM FUT	UCM	0	0	0.0%	0	0	0	89	97.8%	0	0	0.0%	0	0	0.0%	170	165	3.0%	
ULSD 10PPM CIF MED BALMO	X7	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	38	-100.0%	
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	0	0	5	66.7%	0	0	0.0%	0	0	0.0%	30	45	-33.3%	
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	21	108	-80.6%	
ULSD 10PPM CIF VS ICE GAS	7V	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	35	-100.0%	
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	0	3,380	-17.8%	0	0	0.0%	0	0	0.0%	20,485	17,223	18.9%	
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	40,018	-14.8%	0	0	0.0%	0	0	0.0%	213,496	258,832	-17.5%	

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Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
USGC UNL 87 CRACK SPREAD	RU	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	175	-100.0%	
VENTURA NAT GAS PLATTS FIX	DVA	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
WAHA BASIS	NW	0	0	0.0%	0	0	0	6,109	-100.0%	0	0	0.0%	0	0	0.0%	882	20,719	-95.7%	
WAHA INDEX SWAP FUTURE	IY	0	0	0.0%	0	0	0	972	-100.0%	0	0	0.0%	0	0	0.0%	0	5,492	-100.0%	
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0	0	1,425	331.8%	0	0	0.0%	0	0	0.0%	2,160	5,426	-60.2%	
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	404	0	0.0%	
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	0	3,196	-74.5%	0	0	0.0%	120	0	0.0%	35,893	55,302	-35.1%	
WTI CALENDAR	CS	0	471	-100.0%	0	0	0	32,447	4.6%	0	1,043	-100.0%	0	0	0.0%	181,896	159,834	13.8%	
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	480	-79.5%	0	0	0.0%	0	0	0.0%	17,139	6,560	161.3%	
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	2,410	6,225	-61.3%	
Energy Options																			
1 MO GASOIL CAL SWAP SPR	GXA	0	0	0.0%	0	0	0	0	0.0%	0	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	0.0%	-	0	0.0%	
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0	0	390	-89.8%	0	0	0.0%	0	0	0.0%	2,372	9,866	-76.0%	
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	250	-95.8%	0	0	0.0%	0	0	0.0%	14,930	21,666	-31.1%	
BRENT OIL LAST DAY	BZO	0	400	-100.0%	7,538	1,793	3.2	35,083	122.2%	0	400	-100.0%	22,543	2,711	731.5%	93,933	31,976	193.8%	
BRENT OIL LAST DAY	OS	0	4	-100.0%	0	0	0	1,000	400.0%	0	1,416	-100.0%	48	0	0.0%	2,000	5,498	-63.6%	
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	550	-88.8%	0	0	0.0%	0	0	0.0%	5,881	33,595	-82.5%	
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	30	-99.7%	0	0	0.0%	0	0	0.0%	610	97,234	-99.4%	
COAL API2 INDEX	MTC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	150	-66.7%	
COAL API4 INDEX	RLA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%	
COAL API4 INDEX	RQA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,330	-100.0%	
COAL SWAP	CPF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	140	385	-63.6%	
COAL SWAP	RPF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	85	46	84.8%	
CRUDE OIL 1MO	WA	0	0	0.0%	3,905	51,766	-0.92	197,014	20.1%	0	0	0.0%	85,958	196,750	-56.3%	778,714	837,750	-7.0%	
CRUDE OIL APO	AO	0	1,431	-100.0%	0	0	0	26,350	-9.9%	0	6,471	-100.0%	40	0	0.0%	164,228	111,353	47.5%	
CRUDE OIL CALNDR STRIP	6F	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	1,150	-100.0%	
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
CRUDE OIL PHY	CD	0	0	0.0%	0	0	0	2,950	-55.3%	0	0	0.0%	0	0	0.0%	9,510	18,575	-48.8%	
CRUDE OIL PHY	LC	0	2,024	-100.0%	0	0	0	43,660	206.8%	0	7,480	-100.0%	9	0	0.0%	177,590	201,987	-12.1%	

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Energy Options																			
CRUDE OIL PHY	LO	0	19,449	-100.0%	4,034,197	2,390,073	0.69	1,276,517	946,833	34.8%	0	160,243	-100.0%	15,951,861	14,102,548	13.1%	4,207,388	4,639,109	-9.3%
CRUDE OIL PHY	LO1	0	1,100	-100.0%	23,629	4,193	4.64	0	0	0.0%	0	1,350	-100.0%	60,337	24,361	147.7%	100	0	0.0%
CRUDE OIL PHY	LO2	0	0	0.0%	18,012	2,882	5.25	50	0	0.0%	0	0	0.0%	50,146	20,219	148.0%	200	200	0.0%
CRUDE OIL PHY	LO3	0	1,200	-100.0%	12,193	4,293	1.84	0	0	0.0%	0	1,200	-100.0%	41,523	11,538	259.9%	200	0	0.0%
CRUDE OIL PHY	LO4	0	1,300	-100.0%	28,646	4,419	5.48	0	0	0.0%	0	1,600	-100.0%	75,061	19,849	278.2%	0	430	-100.0%
CRUDE OIL PHY	LO5	0	0	0.0%	0	0	0	0	0	0.0%	0	585	-100.0%	13,633	10,290	32.5%	0	0	0.0%
DAILY CRUDE OIL	DNM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ELEC FINSETTLED	PML	0	0	0.0%	0	0	0	0	34	-100.0%	0	0	0.0%	0	0	0.0%	0	145	-100.0%
ELEC MISO PEAK	9T	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	820	0	0.0%
ELECTRICITY OFF PEAK	N9P	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ETHANOL	CE1	0	0	0.0%	0	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	75	25	200.0%
ETHANOL	CE3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	25	1,100.0%
ETHANOL SWAP	CVR	0	0	0.0%	0	0	0	4,334	5,081	-14.7%	0	0	0.0%	0	0	0.0%	26,041	27,866	-6.5%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	150	30	400.0%	0	0	0.0%	0	0	0.0%	920	1,198	-23.2%
EURO-DENOMINATED PETRO P	EFB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EURO-DENOMINATED PETRO P	NWE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
EUROPEAN JET KEROSENE N	30	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
GASOIL CRACK SPREAD AVG P	3U	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOLINE	GCE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	872	-100.0%
HEATING OIL CRK SPD AVG PR	3W	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	-
HEATING OIL PHY	LB	0	0	0.0%	6	0	0	0	0	0.0%	0	44	-100.0%	6	0	0.0%	900	60	1,400.0%
HEATING OIL PHY	OH	0	665	-100.0%	6,051	5,660	0.07	46,830	51,826	-9.6%	0	4,400	-100.0%	24,442	37,236	-34.4%	134,182	243,230	-44.8%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	3,342	1,479	126.0%	0	0	0.0%	0	0	0.0%	19,483	6,548	197.5%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,300	5,700	-77.2%
HUSTN SHIP CHNL PIPE SWP	PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
LLS CRUDE OIL	WJO	0	0	0.0%	0	0	0	0	4,200	-100.0%	0	0	0.0%	0	0	0.0%	5,100	8,730	-41.6%
MCCLOSKEY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	210	1,495	-86.0%	0	0	0.0%	0	0	0.0%	750	7,885	-90.5%
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	0	1,035	-100.0%	0	0	0.0%	0	0	0.0%	0	2,385	-100.0%
NATURAL GAS	G10	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	450	500	-10.0%
NATURAL GAS 12 M CSO FIN	G7	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	0	0	0.0%	0	0	0	72,225	325	22,123.1%	0	200	-100.0%	0	0	0.0%	237,925	30,980	668.0%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	550	0	0.0%	0	0	0.0%	0	0	0.0%	3,300	1,000	230.0%
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	24,300	50,325	-51.7%	0	250	-100.0%	0	0	0.0%	43,950	108,257	-59.4%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,050	1,200	237.5%

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Energy Options																			
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	33,870	4,100	726.1%	
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	198	500	-60.4%	0	0	0.0%	0	0	0.0%	3,998	11,878	-66.3%	
NATURAL GAS PHY	KD	0	0	0.0%	1,050	0	36,575	32,670	12.0%	0	0	0.0%	2,394	0	0.0%	154,210	169,572	-9.1%	
NATURAL GAS PHY	LN	0	157	-100.0%	1,182,990	345,721	1,205,328	1,141,085	5.6%	0	7,837	-100.0%	4,528,231	1,382,070	227.6%	6,994,690	7,592,043	-7.9%	
NATURAL GAS PHY	ON	0	661	-100.0%	187,426	205,080	7,300	2,592	181.6%	0	6,022	-100.0%	997,008	1,286,465	-22.5%	33,520	42,173	-20.5%	
NATURAL GAS PHY	ON1	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
NATURAL GAS PHY	ON5	-	0	0.0%	-	0	-	0	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	0.0%	0	500	-100.0%	0	0	0.0%	0	0	0.0%	
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	450	720	-37.5%	0	0	0.0%	0	0	0.0%	1,956	2,070	-5.5%	
NY HARBOR HEAT OIL SWP	AT	0	105	-100.0%	104	0	3,213	4,682	-31.4%	0	871	-100.0%	319	0	0.0%	15,241	28,242	-46.0%	
NYISO ZONE G 5MW PEAK OPT	9U	0	0	0.0%	0	0	0	420	-100.0%	0	0	0.0%	0	0	0.0%	19,830	420	4,621.4%	
NYMEX EUROPEAN GASOIL AP	F7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYMEX EUROPEAN GASOIL OP	F8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PANHANDLE PIPE SWAP	PU	0	-	-	0	-	0	-	-	0	-	-	0	-	-	2,880	-	-	
PETROCHEMICALS	4H	0	0	0.0%	0	8	172	475	-63.8%	0	0	0.0%	0	8	-100.0%	2,469	7,905	-68.8%	
PETROCHEMICALS	4I	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROCHEMICALS	4J	0	0	0.0%	0	0	240	1,200	-80.0%	0	0	0.0%	0	0	0.0%	2,420	3,150	-23.2%	
PETROCHEMICALS	4K	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETROCHEMICALS	CPR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	18	495	-96.4%	
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	0	0.0%	
PGE CITYGATE PIPE SWAP	CW	-	0	0.0%	-	0	-	0	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	0.0%	-	0	0.0%	
PJM ELECTRIC	6OO	-	0	0.0%	-	0	-	0	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	0	0.0%	0	0	0.0%	0	0	0.0%	
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0	80	0	0.0%	0	0	0.0%	0	0	0.0%	2,620	140	1,771.4%	
PJM WES HUB PEAK CAL MTH	JOA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10,300	-100.0%	
PJM WES HUB PEAK LMP 50MM	PMA	0	0	0.0%	0	0	1,294	205	531.2%	0	0	0.0%	0	0	0.0%	11,213	1,569	614.7%	
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0	0	1,700	-100.0%	0	0	0.0%	0	0	0.0%	0	3,400	-100.0%	
RBOB CALENDAR SWAP	RA	0	2	-100.0%	10	0	100	2,424	-95.9%	0	50	-100.0%	10	0	0.0%	2,125	4,549	-53.3%	
RBOB PHY	OB	0	486	-100.0%	8,618	8,493	28,075	29,255	-4.0%	0	6,970	-100.0%	29,865	43,869	-31.9%	100,414	172,786	-41.9%	
RBOB PHY	RF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	20	200.0%	
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	280	-100.0%	
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0	360	1,710	-78.9%	0	0	0.0%	0	0	0.0%	1,260	2,832	-55.5%	
SHORT TERM	U11	0	0	0.0%	0	0	1,280	200	540.0%	0	0	0.0%	0	0	0.0%	2,450	1,500	63.3%	

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Commodity Indicator	Open Outcry MAY 2017	Open Outcry MAY 2016	% CHG	ELEC MAY 2017	ELEC MAY 2016	% CHG	CME ClearPort MAY 2017	CME ClearPort MAY 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Options																			
SHORT TERM	U12	0	0	0.0%	0	0	0	479	650	-26.3%	0	0	0.0%	0	0	0.0%	1,399	2,180	-35.8%
SHORT TERM	U13	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	975	2,586	-62.3%
SHORT TERM	U14	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	800	3,225	-75.2%
SHORT TERM	U15	0	0	0.0%	0	0	0	1,130	0	0.0%	0	0	0.0%	0	0	0.0%	2,745	1,400	96.1%
SHORT TERM	U22	0	0	0.0%	0	0	0	350	0	0.0%	0	0	0.0%	0	0	0.0%	800	1,650	-51.5%
SHORT TERM	U23	0	0	0.0%	0	0	0	240	200	20.0%	0	0	0.0%	0	0	0.0%	860	500	72.0%
SHORT TERM	U24	0	0	0.0%	0	0	0	490	430	14.0%	0	0	0.0%	0	0	0.0%	1,720	980	75.5%
SHORT TERM	U25	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	205	-51.2%
SHORT TERM	U26	0	0	0.0%	0	0	0	40	150	-73.3%	0	0	0.0%	0	0	0.0%	60	1,230	-95.1%
SHORT TERM CRUDE OIL	C02	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	890	500	78.0%	0	0	0.0%	0	0	0.0%	2,040	2,575	-20.8%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	430	0	0.0%	0	0	0.0%	0	0	0.0%	1,285	2,975	-56.8%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	0	480	225	113.3%	0	0	0.0%	0	0	0.0%	1,370	525	161.0%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0	0	530	1,000	-47.0%	0	0	0.0%	0	0	0.0%	730	2,500	-70.8%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	130	575	-77.4%	0	0	0.0%	0	0	0.0%	730	2,025	-64.0%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	0	550	-100.0%	0	0	0.0%	0	0	0.0%	4,500	1,830	145.9%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,675	3,000	-44.2%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0	0	270	0	0.0%	0	0	0.0%	0	0	0.0%	2,120	1,347	57.4%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	380	620	-38.7%	0	0	0.0%	0	0	0.0%	1,760	1,967	-10.5%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	57	175	-67.4%	0	0	0.0%	0	0	0.0%	3,757	2,890	30.0%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0	0	480	250	92.0%	0	0	0.0%	0	0	0.0%	880	1,535	-42.7%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0	0	754	300	151.3%	0	0	0.0%	0	0	0.0%	1,909	680	180.7%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0	0	417	555	-24.9%	0	0	0.0%	0	0	0.0%	417	1,555	-73.2%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0	0	350	300	16.7%	0	0	0.0%	0	0	0.0%	1,155	1,080	6.9%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,525	730	108.9%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	665	475	40.0%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0	0	0	500	-100.0%	0	0	0.0%	0	0	0.0%	1,870	800	133.8%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	245	1,925	-87.3%
SHORT TERM NATURAL GAS	U29	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,075	-100.0%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	0	1,135	0	0.0%	0	0	0.0%	0	0	0.0%	1,795	500	259.0%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0	0	1,865	0	0.0%	0	0	0.0%	0	0	0.0%	5,250	750	600.0%
SINGAPORE FUEL OIL 180 CS	C5	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE GASOIL CALEND	M2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEND	N2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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Energy Options																		
SOCAL PIPE SWAP	ZN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10,000	-100.0%
WTI 12 MONTH CALENDAR OPT	WZ	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
WTI-BRENT BULLET SWAP	BV	0	0	0.0%	880	0	0	27,742	198.3%	0	0	0.0%	4,720	0	0.0%	215,035	114,790	87.3%
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	0	2,600	-1	108,900	-4.9%	0	0	0.0%	0	13,526	-100.0%	308,200	853,147	-63.9%

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Metals Futures																			
COMEX GOLD	GC	0	11,915	-100.0%	6,124,763	5,588,614	0.1	242,607	165,620	46.5%	0	59,389	-100.0%	26,508,675	22,758,266	16.5%	961,349	653,823	47.0%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	198	520	-0.62	6,990	1,783	292.0%	0	0	0.0%	926	2,534	-63.5%	18,712	22,793	-17.9%
NYMEX PLATINUM	PL	0	0	0.0%	339,987	240,158	0.42	14,276	5,351	166.8%	0	38	-100.0%	1,726,742	1,397,192	23.6%	56,201	29,313	91.7%
PALLADIUM	PA	0	0	0.0%	181,870	134,368	0.35	9,733	3,173	206.7%	0	63	-100.0%	609,204	540,588	12.7%	32,175	17,523	83.6%
URANIUM	UX	0	0	0.0%	15	254	-0.94	900	800	12.5%	0	0	0.0%	427	993	-57.0%	2,982	5,100	-41.5%
COMEX SILVER	SI	0	1,355	-100.0%	1,854,612	1,154,245	0.61	49,913	15,590	220.2%	0	6,705	-100.0%	8,526,442	6,806,677	25.3%	218,203	106,391	105.1%
COMEX E-Mini GOLD	QO	0	0	0.0%	7,638	11,527	-0.34	0	0	0.0%	0	0	0.0%	46,015	52,888	-13.0%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	1,092	1,229	-0.11	0	0	0.0%	0	0	0.0%	4,498	4,808	-6.4%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	1,853,135	1,506,795	0.23	14,249	1,205	1,082.5%	0	454	-100.0%	9,861,305	8,119,031	21.5%	140,962	15,794	792.5%
COMEX MINY COPPER	QC	0	0	0.0%	499	392	0.27	0	0	0.0%	0	0	0.0%	4,113	3,222	27.7%	0	0	0.0%
Aluminium MW Trans Prem Platts	AUP	0	0	0.0%	151	577	-0.74	6,128	3,555	72.4%	0	0	0.0%	1,090	2,412	-54.8%	39,929	27,195	46.8%
ALUMINUM	A38	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	30	-	-
ALUMINUM	AEP	0	0	0.0%	18	120	-0.85	212	260	-18.5%	0	0	0.0%	78	2,328	-96.6%	15,611	3,031	415.0%
ALUMINUM	ALA	0	-	-	0	-	50	-	-	-	0	-	-	0	-	-	150	-	-
ALUMINUM	ALI	0	0	0.0%	180	521	-0.65	80	0	0.0%	0	0	0.0%	3,594	2,893	24.2%	700	0	0.0%
ALUMINUM	EDP	0	0	0.0%	0	0	0	1,820	464	292.2%	0	0	0.0%	2	0	0.0%	2,795	704	297.0%
ALUMINUM	MJP	0	0	0.0%	90	32	1.81	0	840	-100.0%	0	0	0.0%	100	678	-85.3%	4,648	2,494	86.4%
COPPER	HGS	0	0	0.0%	0	0	0	0	40	-100.0%	0	0	0.0%	0	0	0.0%	923	1,101	-16.2%
E-MICRO GOLD	MGC	0	0	0.0%	92,165	103,808	-0.11	0	0	0.0%	0	0	0.0%	437,386	454,193	-3.7%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	0	0	0	90	30	200.0%	0	0	0.0%	35	0	0.0%	270	420	-35.7%
FERROUS PRODUCTS	SSF	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GOLD	GPS	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	0	-	-
Gold Kilo	GCK	0	0	0.0%	290	3,712	-0.92	0	0	0.0%	0	0	0.0%	1,921	28,028	-93.1%	0	0	0.0%
IRON ORE 58 CHINA TSI FUTUR	TIC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA PLATTS FL	PIO	0	0	0.0%	0	0	0	220	1,280	-82.8%	0	0	0.0%	0	0	0.0%	1,512	2,470	-38.8%
IRON ORE 62 CHINA TSI FUTUR	TIO	0	0	0.0%	186	94	0.98	16,009	11,806	35.6%	0	0	0.0%	1,715	3,199	-46.4%	58,506	98,599	-40.7%
LNDN ZINC	ZNC	0	0	0.0%	15	36	-0.58	0	0	0.0%	0	0	0.0%	50	115	-56.5%	0	0	0.0%
METALS	LED	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	0	-	-
SILVER	SIL	0	0	0.0%	5,780	6,961	-0.17	0	0	0.0%	0	0	0.0%	25,470	37,561	-32.2%	0	0	0.0%



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Metals Options																			
COMEX COPPER	HX	0	23	-100.0%	4,340	2,732	0.59	0	500	-100.0%	0	973	-100.0%	17,593	9,311	88.9%	2,679	796	236.6%
COMEX GOLD	OG	0	69,069	-100.0%	592,385	622,635	-0.05	275,110	125,994	118.4%	0	399,691	-100.0%	3,042,568	3,173,374	-4.1%	959,158	726,734	32.0%
COMEX SILVER	SO	0	6,822	-100.0%	134,750	82,854	0.63	18,230	11,672	56.2%	0	42,193	-100.0%	502,534	472,010	6.5%	69,106	52,917	30.6%
COPPER	H4E	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GOLD	OG1	0	0	0.0%	3,924	1,050	2.74	200	0	0.0%	0	86	-100.0%	13,530	4,814	181.1%	200	100	100.0%
GOLD	OG2	0	0	0.0%	3,808	867	3.39	0	100	-100.0%	0	240	-100.0%	13,046	4,002	226.0%	600	1,050	-42.9%
GOLD	OG3	0	0	0.0%	5,761	1,365	3.22	255	50	410.0%	0	30	-100.0%	17,905	4,333	313.2%	1,465	300	388.3%
GOLD	OG4	0	0	0.0%	1,267	572	1.22	0	0	0.0%	0	0	0.0%	5,930	2,644	124.3%	100	150	-33.3%
GOLD	OG5	0	0	0.0%	0	0	0	0	0	0.0%	0	200	-100.0%	2,608	1,510	72.7%	0	100	-100.0%
IRON ORE 62 CHINA TSI CALL C	ICT	0	0	0.0%	0	0	0	140	550	-74.5%	0	0	0.0%	0	0	0.0%	7,972	31,581	-74.8%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	1,500	2,894	-48.2%	0	0	0.0%	0	0	0.0%	14,185	16,124	-12.0%
NYMEX PLATINUM	PO	0	412	-100.0%	1,480	703	1.11	1,555	4,523	-65.6%	0	1,978	-100.0%	3,994	2,960	34.9%	9,394	19,013	-50.6%
PALLADIUM	PAO	0	0	0.0%	1,281	292	3.39	4,559	1,408	223.8%	0	272	-100.0%	4,699	805	483.7%	14,738	13,182	11.8%
SILVER	SO1	0	0	0.0%	241	0	0	0	0	0.0%	0	0	0.0%	464	12	3,766.7%	0	0	0.0%
SILVER	SO2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	140	1	13,900.0%	0	0	0.0%
SILVER	SO3	0	0	0.0%	382	0	0	0	0	0.0%	0	0	0.0%	562	5	11,140.0%	0	0	0.0%
SILVER	SO4	0	0	0.0%	51	0	0	0	0	0.0%	0	0	0.0%	94	9	944.4%	0	0	0.0%
SILVER	SO5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	6	-100.0%	0	0	0.0%
TOTAL FUTURES GROUP																			
Commodities and Alternative Investments Future		0	0	0.0%	58	274	-78.8%	0	0	0.0%	0	0	0.0%	153	1,752	-91.3%	0	0	0.0%
Energy Futures		0	3,462	-100.0%	46,475,912	36,969,027	25.7%	3,546,452	3,981,888	-10.9%	0	20,248	-100.0%	204,929,991	194,336,616	5.5%	20,834,511	24,705,368	-15.7%
Metals Futures		0	13,270	-100.0%	10,462,684	8,753,963	19.5%	363,277	211,797	71.5%	0	66,649	-100.0%	47,759,788	40,217,606	18.8%	1,555,658	986,751	57.7%
TOTAL FUTURES		0	16,732	-100.0%	56,938,654	45,723,264	24.5%	3,909,729	4,193,685	-6.8%	0	86,897	-100.0%	252,689,932	234,555,974	7.7%	22,390,169	25,692,119	-12.9%
TOTAL OPTIONS GROUP																			
Energy Options		0	29,234	-100.0%	5,515,255	3,026,981	82.2%	3,168,199	2,670,071	18.7%	0	207,889	-100.0%	21,888,154	17,151,440	27.6%	13,891,393	15,544,072	-10.6%
Metals Options		0	76,326	-100.0%	749,670	713,070	5.1%	301,549	147,691	104.2%	0	445,663	-100.0%	3,625,667	3,675,796	-1.4%	1,079,597	862,047	25.2%
TOTAL OPTIONS		0	105,560	-100.0%	6,264,925	3,740,051	67.5%	3,469,748	2,817,762	23.1%	0	653,552	-100.0%	25,513,821	20,827,236	22.5%	14,970,990	16,406,119	-8.7%

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TOTAL COMBINED																		
Commodities and Alternative Investments	0	0	0.0%	58	274	-78.8%	0	0	0.0%	0	0	0.0%	153	1,752	-91.3%	0	0	0.0%
Energy	0	32,696	-100.0%	51,991,167	39,996,008	30.0%	6,714,651	6,651,959	0.9%	0	228,137	-100.0%	226,818,145	211,488,056	7.2%	34,725,904	40,249,440	-13.7%
Metals	0	89,596	-100.0%	11,212,354	9,467,033	18.4%	664,826	359,488	84.9%	0	512,312	-100.0%	51,385,455	43,893,402	17.1%	2,635,255	1,848,798	42.5%
GRAND TOTAL	0	122,292	-100.0%	63,203,579	49,463,315	27.8%	7,379,477	7,011,447	5.2%	0	740,449	-100.0%	278,203,753	255,383,210	8.9%	37,361,159	42,098,238	-11.3%

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