

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
	<b>Commodities and Alternative Investments</b>																		
<b>Futures</b>																			
COCOA TAS	CJ	0	0	0.0%	182	45	3.04	0	0	0.0%	0	0	0.0%	870	226	285.0%	0	0	0.0%
COFFEE	KT	0	0	0.0%	6	47	-0.87	0	0	0.0%	0	0	0.0%	72	281	-74.4%	0	0	0.0%
COTTON	TT	0	0	0.0%	14	61	-0.77	0	0	0.0%	0	0	0.0%	294	172	70.9%	0	0	0.0%
SUGAR 11	YO	0	0	0.0%	60	205	-0.71	0	0	0.0%	0	0	0.0%	242	742	-67.4%	0	0	0.0%
<b>Energy Futures</b>																			
CRUDE OIL PHY	CL	1,573	17,908	-91.2%	22,957,887	17,020,145	0.35	632,284	518,945	21.8%	12,637	80,220	-84.2%	90,907,428	69,737,219	30.4%	2,895,646	2,175,281	33.1%
CRUDE OIL	WS	0	0	0.0%	0	0	0	4,930	7,653	-35.6%	0	0	0.0%	0	21	-100.0%	71,350	116,793	-38.9%
MINY WTI CRUDE OIL	QM	0	0	0.0%	293,961	283,765	0.04	0	0	0.0%	0	0	0.0%	1,258,595	1,444,363	-12.9%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	2,225,836	1,811,342	0.23	17,241	14,427	19.5%	0	0	0.0%	9,007,532	9,802,659	-8.1%	79,449	56,267	41.2%
HEATING OIL PHY	HO	142	281	-49.5%	3,007,364	2,493,248	0.21	217,983	176,558	23.5%	567	3,177	-82.2%	11,574,086	11,335,339	2.1%	873,277	831,819	5.0%
HTG OIL	BH	0	0	0.0%	0	0	0	4,345	72	5,934.7%	0	0	0.0%	0	0	0.0%	5,166	72	7,075.0%
MINY HTG OIL	QH	0	0	0.0%	8	7	0.14	0	0	0.0%	0	0	0.0%	33	30	10.0%	0	0	0.0%
RBOB PHY	RB	59	243	-75.7%	3,280,884	3,142,961	0.04	182,127	219,677	-17.1%	273	1,724	-84.2%	13,528,576	12,218,736	10.7%	642,945	763,225	-15.8%
MINY RBOB GAS	QU	0	0	0.0%	4	4	0	0	0	0.0%	0	0	0.0%	17	22	-22.7%	0	0	0.0%
NATURAL GAS	HP	0	100	-100.0%	9,676	468	19.68	85,330	64,946	31.4%	800	166	381.9%	34,540	12,903	167.7%	394,481	282,371	39.7%
LTD NAT GAS	HH	0	154	-100.0%	73,054	67,682	0.08	153,691	133,392	15.2%	0	437	-100.0%	297,881	163,964	81.7%	715,544	664,974	7.6%
MINY NATURAL GAS	QG	0	0	0.0%	23,014	19,937	0.15	0	0	0.0%	0	0	0.0%	101,133	142,372	-29.0%	0	0	0.0%
PJM MONTHLY	JM	0	0	0.0%	0	0	0	64	0	0.0%	0	0	0.0%	0	0	0.0%	718	336	113.7%
NATURAL GAS PHY	NG	118	825	-85.7%	8,116,382	5,853,801	0.39	233,351	264,962	-11.9%	1,085	6,855	-84.2%	28,602,190	25,876,006	10.5%	866,308	1,096,131	-21.0%
RBOB GAS	RT	0	0	0.0%	0	0	0	1,346	1,058	27.2%	0	0	0.0%	0	0	0.0%	5,391	5,066	6.4%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	393	10	3,830.0%	0	0	0.0%	0	0	0.0%	1,290	205	529.3%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	0	0	0	20	8	150.0%	0	0	0.0%	0	0	0.0%	135	143	-5.6%
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	22	-100.0%
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	0.0%	0	0	0	0	312	-100.0%	0	0	0.0%	0	0	0.0%	0	322	-100.0%
ALGON CITY GATES NAT GAS	N7	0	0	0.0%	0	0	0	1,712	0	0.0%	0	0	0.0%	0	0	0.0%	1,712	0	0.0%
ALGONQUIN CITYGATES BASIS	B4	0	0	0.0%	0	0	0	610	0	0.0%	0	0	0.0%	0	0	0.0%	2,991	152	1,867.8%
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	2,140	-100.0%
ANR OKLAHOMA	NE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,928	3,220	-9.1%
APPALACHIAN COAL (PHY)	QL	0	0	0.0%	0	0	0	35	556	-93.7%	0	0	0.0%	0	0	0.0%	105	1,695	-93.8%

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Futures</b>																			
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	0	0	0	8,499	9,255	-8.2%	0	0	0.0%	0	0	0.0%	50,293	33,323	50.9%
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	2,451	316	675.6%	0	0	0.0%	0	0	0.0%	5,570	886	528.7%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	884	684	29.2%	0	0	0.0%	0	0	0.0%	3,679	2,248	63.7%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0	0	451	225	100.4%	0	0	0.0%	0	0	0.0%	1,411	927	52.2%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0	0	0	268	-100.0%	0	0	0.0%	0	0	0.0%	730	913	-20.0%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	2,670	5,293	-49.6%	0	0	0.0%	0	0	0.0%	10,281	29,277	-64.9%
BRENT CFD(PLATTS) VS FRNT	1C	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRENT CFD SWAP	6W	0	0	0.0%	0	0	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	559	963	-42.0%	0	0	0.0%	0	0	0.0%	1,755	48,709	-96.4%
BRENT FINANCIAL FUTURES	MBC	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	1,394	-	-
BRENT FINANCIAL FUTURES	MDB	0	-	-	0	-	0	86	-	-	0	-	-	0	-	-	146	-	-
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%
CANADIAN LIGHT SWEET OIL	CIL	0	0	0.0%	0	0	0	375	165	127.3%	0	0	0.0%	0	0	0.0%	3,585	1,248	187.3%
CARBON EUA EMISSIONS EUR	RC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0	0	6,636	488	1,259.8%	0	0	0.0%	0	0	0.0%	7,270	2,628	176.6%
CENTERPOINT EAST INDEX	II	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	336	-100.0%
CENTER POINT NAT GAS FIXED	DAC	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	0	-	-
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	1,283	441	1.91	92,885	109,456	-15.1%	0	0	0.0%	4,147	652	536.0%	359,317	344,496	4.3%
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	242	809	-70.1%	0	0	0.0%	0	0	0.0%	1,292	1,889	-31.6%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,425	295	383.1%
CIG BASIS	CI	0	0	0.0%	0	0	0	3,749	3,109	20.6%	0	0	0.0%	0	0	0.0%	25,942	9,809	164.5%
CIG ROCKIES NG INDEX SWA	Z8	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	930	-	-
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%	60	120	-50.0%
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	24,000	0	0.0%	0	0	0.0%	0	0	0.0%	162,920	117,520	38.6%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	11,000	6,365	72.8%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	32,000	0	0.0%	0	0	0.0%	0	0	0.0%	590,704	224,192	163.5%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0	0	1,710	0	0.0%	0	0	0.0%	0	0	0.0%	47,236	0	0.0%
COAL SWAP	ACM	0	0	0.0%	0	0	0	165	395	-58.2%	0	0	0.0%	0	0	0.0%	1,655	1,870	-11.5%
COAL SWAP	SSI	0	0	0.0%	0	0	0	45	240	-81.3%	0	0	0.0%	0	0	0.0%	122	1,224	-90.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	0.0%	0	0	0	1,902	3,228	-41.1%	0	0	0.0%	0	0	0.0%	13,508	13,478	0.2%
COLUMBIA GULF MAIN NAT G	L2	0	0	0.0%	0	0	0	2,208	0	0.0%	0	0	0.0%	0	0	0.0%	2,208	620	256.1%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Futures</b>																			
COLUMBIA GULF NAT GAS FIXE	DCE	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
COLUMBIA GULF ONSHORE	GL	0	0	0.0%	0	0	0	428	-100.0%	0	0	0.0%	0	0	0.0%	3,108	428	626.2%	
CONWAY NATURAL GASOLINE	8L	0	0	0.0%	0	0	114	250	-54.4%	0	0	0.0%	0	0	0.0%	955	410	132.9%	
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	204	156	30.8%	0	0	0.0%	0	0	0.0%	279	336	-17.0%	
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	0	0	8,249	3,452	139.0%	0	0	0.0%	0	13	-100.0%	25,890	17,489	48.0%	
CRUDE OIL	LPS	0	0	0.0%	0	0	5,404	7,905	-31.6%	0	0	0.0%	0	0	0.0%	22,759	8,780	159.2%	
CRUDE OIL LAST DAY	26	-	0	0.0%	-	0	0	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
CRUDE OIL OUTRIGHTS	37	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
CRUDE OIL OUTRIGHTS	42	0	0	0.0%	0	0	44	3,156	-98.6%	0	0	0.0%	0	0	0.0%	227	7,759	-97.1%	
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0	0	5,357	-100.0%	0	0	0.0%	0	0	0.0%	50	12,612	-99.6%	
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	205	-100.0%	
CRUDE OIL OUTRIGHTS	HTT	0	-	-	0	-	1,232	-	-	0	-	-	0	-	-	2,432	-	-	
CRUDE OIL OUTRIGHTS	WCC	0	0	0.0%	0	0	5,758	2,745	109.8%	0	0	0.0%	0	0	0.0%	24,788	17,612	40.7%	
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%	
CRUDE OIL SPRDS	38	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	325	0	0.0%	
CRUDE OIL SPRDS	KE	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
CRUDE OIL SPRDS	WTT	0	0	0.0%	0	0	1,518	765	98.4%	0	0	0.0%	0	0	0.0%	4,547	1,205	277.3%	
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%	
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%	
DAILY PJM	IDO	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
DAILY PJM	NOC	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
DAILY PJM	PAP	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
DAILY PJM	PEO	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
DAILY PJM	PNO	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
DAILY PJM	PNP	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%	
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%	
DAILY PJM	WOR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
DAILY PJM	ZAO	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
DAILY PJM	ZGO	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
DAILY PJM	ZJO	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
DATED BRENT (PLATTS) DAILY	7G	0	0	0.0%	0	0	0	8,500	-100.0%	0	0	0.0%	0	0	0.0%	0	17,855	-100.0%	
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0	3,820	7,160	-46.6%	0	0	0.0%	0	0	0.0%	6,860	13,911	-50.7%	
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG
<b>Energy Futures</b>																		
DIESEL 10P BRG FOB RDM VS	7X	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
DIESEL 10PPM BARGES FOB B	U7	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
DIESEL10PPM BARG VS ICE LS	LSE	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DOMINION TRAN INC - APP I	IH	0	-	0	-	-	2,635	-	-	0	-	-	0	-	-	11,045	-	-
DOMINION TRANSMISSION INC	PG	0	0.0%	0	0	0	25,639	3,262	686.0%	0	0	0.0%	0	0	0.0%	79,242	16,758	372.9%
DUBAI CRUDE OIL BALMO	BI	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	0	0.0%	0	0	0	1,225	2,937	-58.3%	0	0	0.0%	0	0	0.0%	4,096	14,531	-71.8%
DY EURO 3.5% FUEL OI RDA	FOR	0	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-
EASTERN RAIL DELIVERY CSX	QX	0	0.0%	0	0	0	910	1,610	-43.5%	0	0	0.0%	0	0	0.0%	3,997	17,450	-77.1%
EAST/WEST FUEL OIL SPREAD	EW	0	0.0%	0	0	0	0	103	-100.0%	0	0	0.0%	0	0	0.0%	36	1,740	-97.9%
EIA FLAT TAX ONHWAY DIESE	A5	0	0.0%	0	0	0	861	2,685	-67.9%	0	0	0.0%	0	0	0.0%	5,762	5,172	11.4%
ELEC ERCOT DLY OFF PK	R4	0	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-
ELEC ERCOT DLY PEAK	I7	0	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-
ELEC ERCOT DLY PEAK	I9	-	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	965	-100.0%
ELEC ERCOT DLY PEAK	R1	0	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-
ELEC ERCOT OFF PEAK	ERU	-	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	0.0%	0	17,565	-100.0%
ELEC FINSETTLED	47	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,270	0	0.0%
ELEC FINSETTLED	49	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%
ELEC MISO PEAK	55	0	0.0%	0	0	0	0	510	-100.0%	0	0	0.0%	0	0	0.0%	0	510	-100.0%
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%
ELEC NYISO OFF-PEAK	58	0	0.0%	0	0	0	0	9,408	-100.0%	0	0	0.0%	0	0	0.0%	0	9,408	-100.0%
ELECTRICITY ERCOT PEAK	ERE	-	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%	23,480	0	0.0%
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%
ELECTRICITY OFF PEAK	50	0	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-
EL PASO PERMIAN INDEX SWA	IL	0	-	0	-	-	0	-	-	0	-	-	0	-	-	372	-	-
EMMISSIONS	CPL	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 OF	I8	0	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-
ERCOT NORTH ZMCPE 5MW OF	I6	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,280	17,565	-75.6%
ERCOT NORTH ZMCPE 5MW PE	I5	0	0.0%	0	0	0	0	151	-100.0%	0	0	0.0%	0	0	0.0%	235	2,591	-90.9%
ETHANOL T2 FOB ROTT INCL D	Z1	0	0.0%	0	0	0	3,033	4,150	-26.9%	0	0	0.0%	0	0	0.0%	8,599	12,018	-28.4%

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG
<b>Energy Futures</b>																		
EU LOW SULPHUR GASOIL CRA	LSC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	210	21	900.0%
EURO 3.5% FUEL OIL M CRK	FL	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	0	567	-20.8%	0	0	0.0%	0	0	0.0%	1,438	3,524	-59.2%
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	0	486	-63.9%	0	0	0.0%	0	0	0.0%	2,483	5,406	-54.1%
EURO-DENOMINATED PETRO P	IBE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO P	MFE	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EURO-DENOMINATED PETRO P	NCP	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	70	1,412	-95.0%
EURO GASOIL 10 CAL SWAP	GT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	6	-50.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	0	0	0	120	0.0%	0	0	0.0%	0	0	0.0%	295	138	113.8%
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0	0	148	-30.8%	0	0	0.0%	0	0	0.0%	684	644	6.2%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0	0	13	-56.7%	0	0	0.0%	0	0	0.0%	114	160	-28.8%
EUROPE 3.5% FUEL OIL MED	UI	0	0	0.0%	0	0	0	585	10	5,750.0%	0	0	0.0%	0	0.0%	1,782	544	227.6%
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	0	5,539	10,866	-49.0%	0	0	0.0%	0	0.0%	26,389	53,176	-50.4%
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	155,509	7,971	18.51	2,400	0	0.0%	0	0.0%	1,190,660	49,277	2,316.3%	77,400	0	0.0%
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	0	152	57	166.7%	0	0	0.0%	0	0.0%	638	360	77.2%
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	0	3,369	6,541	-48.5%	0	0	0.0%	0	0.0%	14,190	37,065	-61.7%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	0	50	3,000	-98.3%	0	0	0.0%	0	0.0%	11,828	13,695	-13.6%
EUROPE JET KERO NWE CALS	UJ	0	0	0.0%	0	0	0	0	54	-100.0%	0	0	0.0%	0	0.0%	38	344	-89.0%
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	0	1,312	1,122	16.9%	0	0	0.0%	0	0.0%	4,623	7,337	-37.0%
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	0	1,562	317	392.7%	0	0	0.0%	0	0.0%	4,162	1,258	230.8%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	0	0	184	1,588	-88.4%	0	0	0.0%	0	0.0%	736	10,942	-93.3%
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	0	192	30	540.0%	0	0	0.0%	0	0.0%	847	66	1,183.3%
FREIGHT MARKETS	FRC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0.0%	-	0	0.0%
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	0	4,810	2,607	84.5%	0	0	0.0%	0	0.0%	16,862	16,088	4.8%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0.0%	0	306	-100.0%
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0.0%	161	135	19.3%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0.0%	54	120	-55.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	0	464	292	58.9%	0	0	0.0%	0	0.0%	2,202	2,968	-25.8%
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	7,695	6,644	15.8%	0	0	0.0%	0	0.0%	31,215	35,172	-11.3%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	13,070	14,393	-9.2%	0	0	0.0%	0	0.0%	62,975	87,247	-27.8%
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	0.0%	0	0	0	5	0	0.0%	0	0	0.0%	0	0.0%	6	1	500.0%
GASOIL 0.1 CARGOES CIF NE	TW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF MED BALMO	X6	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	-	-

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Futures</b>																			
GASOIL 0.1 CIF MED SWAP	Z4	0	-	-	0	-	0	-	-	0	-	-	0	-	-	-	60	-	-
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0	0	16	-100.0%	0	0	0.0%	0	0	0.0%	80	71	12.7%	
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	155	-100.0%	
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	0.0%	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	5	0	0.0%	
GASOIL 0.1 CRG CIF NW VS	4V	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	10	-50.0%	
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	49	50	-2.0%	
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	10	40	-75.0%	
GASOIL 10PPM CARGOES CIF	TY	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	0	0.0%	
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	45	-100.0%	0	0	0.0%	0	0	0.0%	54	702	-92.3%	
GASOIL BULLET SWAP	BG	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	132	11	1,100.0%	0	0	0.0%	0	0	0.0%	200	156	28.2%	
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	3,880	3,037	27.8%	0	0	0.0%	0	0	0.0%	7,468	26,433	-71.7%	
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	173	358	-51.7%	0	0	0.0%	0	0	0.0%	997	1,284	-22.4%	
GASOLINE UP-DOWN (ARGUS)	UZ	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
GASOLINE UP-DOWN BALMO S	1K	0	0	0.0%	0	0	0	575	-100.0%	0	0	0.0%	0	0	0.0%	810	3,875	-79.1%	
GC ULSD VS GC JET SPREAD	VV	0	0	0.0%	0	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	200	-100.0%	
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	1,590	2,720	-41.5%	0	0	0.0%	0	0	0.0%	8,985	13,714	-34.5%	
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	750	970	-22.7%	0	0	0.0%	0	0	0.0%	4,740	4,712	0.6%	
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	1,015	1,049	-3.2%	0	0	0.0%	0	0	0.0%	3,979	6,185	-35.7%	
GULF COAST GASOLINE CLND	GS	0	0	0.0%	0	0	0	880	-100.0%	0	0	0.0%	0	0	0.0%	1,300	2,765	-53.0%	
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	410	60	583.3%	0	0	0.0%	0	0	0.0%	533	2,336	-77.2%	
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	32,116	25,809	24.4%	0	0	0.0%	0	0	0.0%	128,563	87,513	46.9%	
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	56,300	69,160	-18.6%	0	0	0.0%	0	0	0.0%	247,495	325,862	-24.0%	
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	72	3,135	-97.7%	0	0	0.0%	0	0	0.0%	4,338	7,596	-42.9%	
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	835	1,702	-50.9%	0	0	0.0%	3	2	50.0%	3,886	4,692	-17.2%	
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	1,497	0	0.0%	0	0	0.0%	0	0	0.0%	3,447	1,025	236.3%	
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	45	120	-62.5%	0	0	0.0%	0	0	0.0%	220	120	83.3%	
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	0.0%	0	0	0.0%	
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	0	43,226	6,704	544.8%	0	0	0.0%	0	0	0.0%	118,109	33,000	257.9%	
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	42,126	6,704	528.4%	0	0	0.0%	0	0	0.0%	110,932	24,440	353.9%	
HENRY HUB SWAP	NN	0	0	0.0%	275,172	53,902	4.11	189,478	373,216	-49.2%	736	72	922.2%	860,619	85,426	907.4%	1,265,980	1,820,947	-30.5%

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Futures</b>																			
HENRY HUB SWING FUTURE	SN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	290	0	0.0%	
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0	0	124	6,862	-98.2%	0	0	0.0%	0	61	-100.0%	12,848	18,157	-29.2%
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%	
HUSTN SHIP CHNL PIPE SWP	XJ	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
ICE BRENT DUBAI SWAP	DB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	7,250	-99.9%	
ICE GASOIL BALMO SWAP	U9	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
IN DELIVERY MONTH EUA	6T	0	0	0.0%	50	0	0	1,776	15,456	-88.5%	0	0	0.0%	50	306	-83.7%	14,276	51,838	-72.5%
INDIANA MISO	FAD	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	0.0%	0	0	0.0%	
INDIANA MISO	FTD	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%	
INDIANA MISO	PDD	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
INDIANA MISO	PDM	0	0	0.0%	0	0	0	0	170	-100.0%	0	0	0.0%	0	0	0.0%	0	2,240	-100.0%
INDIANA MISO	PTD	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%	
INDONESIAN COAL	MCC	0	0	0.0%	0	0	0	0	155	-100.0%	0	0	0.0%	0	0	0.0%	60	970	-93.8%
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%	
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	0	0.0%	
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	229	0	0.0%	0	0	0.0%	0	0	0.0%	2,141	910	135.3%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	886	1,014	-12.6%	0	0	0.0%	0	0	0.0%	4,678	4,171	12.2%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	20	58	-65.5%	0	0	0.0%	0	0	0.0%	287	275	4.4%
JET AV FUEL (P) CAR FM ICE G	1V	0	0	0.0%	0	0	0	19	29	-34.5%	0	0	0.0%	0	0	0.0%	44	136	-67.6%
JET BARGES VS ICE GASOIL	JR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	22	0	0.0%	
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	0	115	24	379.2%	0	0	0.0%	0	0	0.0%	300	516	-41.9%
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	0	0.0%	
JET FUEL CARGOES CIF NEW	F3	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	0	0.0%	
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	0	4,773	2,175	119.4%	0	0	0.0%	0	0	0.0%	15,813	8,313	90.2%
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%	
LA CARB DIESEL (OPIS) SWA	KL	0	0	0.0%	0	0	0	935	470	98.9%	0	0	0.0%	0	0	0.0%	3,152	1,791	76.0%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	225	950	-76.3%	0	0	0.0%	0	0	0.0%	4,000	2,375	68.4%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	0	0	25	75	-66.7%	0	0	0.0%	0	0	0.0%	685	115	495.7%
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	0	1,750	675	159.3%	0	0	0.0%	0	0	0.0%	7,162	2,825	153.5%
LLS (ARGUS) CALENDAR SWAP	XA	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 APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG
<b>Energy Futures</b>																		
LLS (ARGUS) VS WTI SWAP	WJ	0	0.0%	0	0	0	4,910	13,315	-63.1%	0	0	0.0%	0	0	0.0%	25,294	45,806	-44.8%
MARS (ARGUS) VS WTI SWAP	YX	0	0.0%	0	0	0	4,700	7,711	-39.0%	0	0	0.0%	0	0	0.0%	25,593	23,000	11.3%
MARS (ARGUS) VS WTI TRD M	YV	0	0.0%	0	0	0	6,865	2,325	195.3%	0	0	0.0%	0	0	0.0%	35,972	7,181	400.9%
MARS BLEND CRUDE OIL	MB	0	-	0	-	-	438	-	-	0	-	-	0	-	-	4,409	-	-
MCCLOSKY ARA ARGS COAL	MTF	0	0.0%	0	0	0	194,340	116,558	66.7%	0	0	0.0%	0	0	0.0%	825,356	642,647	28.4%
MCCLOSKY RCH BAY COAL	MFF	0	0.0%	0	0	0	18,847	14,245	32.3%	0	0	0.0%	0	0	0.0%	102,230	83,266	22.8%
MGF FUT	MGF	0	0.0%	0	0	0	40	0	0.0%	0	0	0.0%	0	0	0.0%	100	0	0.0%
MGN1 SWAP FUT	MGN	0	0.0%	0	0	0	111	102	8.8%	0	0	0.0%	0	0	0.0%	656	627	4.6%
MICHIGAN BASIS	NF	0	0.0%	0	0	0	3,786	730	418.6%	0	0	0.0%	0	0	0.0%	7,533	1,034	628.5%
MICHIGAN HUB OFF-PEAK MON	HJ	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
MICHIGAN HUB PEAK MONTH S	HM	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
MICHIGAN MISO	HMO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	127,640	117,520	8.6%
MICHIGAN MISO	HMW	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	7,240	6,365	13.7%
MINI GAS EUROBOB OXY NWE	MEB	0	0.0%	0	0	0	426	357	19.3%	0	0	0.0%	0	0	0.0%	1,563	1,553	0.6%
MINI RBOB V. EBOBARG NWE B	MXR	0	0.0%	0	0	0	0	590	-100.0%	0	0	0.0%	0	0	0.0%	696	2,330	-70.1%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0.0%	0	0	0	1,109	898	23.5%	0	0	0.0%	0	0	0.0%	4,420	3,098	42.7%
MISO 5MW OFF PEAK	4R	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
MISO 5MW PEAK	4Q	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
MJB FUT	MJB	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
MJC FUT	MJC	0	0.0%	0	0	0	70	80	-12.5%	0	0	0.0%	0	0	0.0%	368	190	93.7%
MNC FUT	MNC	0	0.0%	0	0	0	4,238	4,435	-4.4%	0	0	0.0%	0	0	0.0%	16,399	18,721	-12.4%
MONT BELVIEU ETHANE 5 DECI	C0	0	0.0%	0	0	0	49,524	3,465	1,329.3%	0	0	0.0%	0	0	0.0%	145,088	24,673	488.0%
MONT BELVIEU ETHANE OPIS E	8C	0	0.0%	0	0	0	65	275	-76.4%	0	0	0.0%	0	0	0.0%	480	1,500	-68.0%
MONT BELVIEU LDH PROPANE	B0	0	0.0%	4	51	-0.92	84,992	29,870	184.5%	0	0	0.0%	36	73	-50.7%	350,479	166,356	110.7%
MONT BELVIEU LDH PROPANE	8O	0	0.0%	0	0	0	107	217	-50.7%	0	0	0.0%	0	0	0.0%	1,996	3,014	-33.8%
MONT BELVIEU NATURAL GAS	7Q	0	0.0%	0	0	0	6,409	5,871	9.2%	0	0	0.0%	0	0	0.0%	36,945	30,487	21.2%
MONT BELVIEU NATURAL GAS	R0	0	0.0%	0	0	0	213	1,045	-79.6%	0	0	0.0%	0	0	0.0%	838	1,830	-54.2%
MONT BELVIEU NORMAL BUTA	D0	0	0.0%	0	0	0	17,438	19,517	-10.7%	0	0	0.0%	0	0	0.0%	98,504	63,722	54.6%
MONT BELVIEU NORMAL BUTA	8J	0	0.0%	0	0	0	165	229	-27.9%	0	0	0.0%	0	0	0.0%	2,380	1,459	63.1%
NAT GAS BASIS SWAP	SGW	0	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-
NAT GAS BASIS SWAP	TZ6	0	0.0%	0	0	0	3,786	0	0.0%	0	0	0.0%	0	0	0.0%	10,034	0	0.0%
NATURAL GAS	XAC	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS	XSC	0	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-
NATURAL GAS FIXED PRICE S	CFS	0	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Futures</b>																			
NATURAL GAS FIXED PRICE S	DSF	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
NATURAL GAS FIXED PRICE S	MFS	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
NATURAL GAS FIXED PRICE S	PFS	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
NATURAL GAS FIXED PRICE S	WFS	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
NATURAL GAS FIXED PRICE S	Z5P	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
NATURAL GAS FIXED PRICE S	ZTS	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
NATURAL GAS INDEX	TZI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	610	0	0.0%	
NATURAL GAS PEN SWP	NP	0	72	-100.0%	0	0	0	79,979	149,434	-46.5%	92	15,732	-99.4%	0	0	0.0%	439,028	941,821	-53.4%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0	0	11,925	0	0.0%	0	0	0.0%	0	0	0.0%	11,925	0	0.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0	0	635	0	0.0%	0	0	0.0%	0	0	0.0%	635	0	0.0%
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	0	0	0	11,925	0	0.0%	0	0	0.0%	0	0	0.0%	56,997	14,088	304.6%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0	0	635	0	0.0%	0	0	0.0%	0	0	0.0%	3,470	862	302.6%
NEPOOL MAINE 5MW D AH O E	W2	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NEPOOL MAINE 5MW D AH PK	P9	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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	0.0%
NEPOOL NE MASS 5MW D AH P	P7	0	0	0.0%	0	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	640	600	6.7%
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	0.0%
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	0.0%
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	862	-100.0%
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	14,088	-100.0%
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	0.0%
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	0.0%
NEPOOL W CNT MASS 5MW D A	L9	0	0	0.0%	0	0	0	0	8,480	-100.0%	0	0	0.0%	0	0	0.0%	4,000	8,480	-52.8%
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	0	0.0%
NEW ENGLAND HUB PEAK DAIL	CE	0	-	-	0	-	0	-	-	-	0	-	0	-	-	0	-	-	
NEW YORK ETHANOL SWAP	EZ	0	0	0.0%	0	0	0	1,090	325	235.4%	0	0	0.0%	0	0	0.0%	8,840	2,700	227.4%
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	0.0%
NEW YORK HUB ZONE J PEAK	JN	0	-	-	0	-	0	-	-	-	0	-	0	-	-	0	-	-	
NGPL MID-CONTINENT	NL	0	0	0.0%	0	0	0	5,222	1,716	204.3%	0	0	0.0%	0	0	0.0%	18,822	11,245	67.4%
NGPL MIDCONTINENT INDEX	IW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,280	180	2,277.8%
NGPL TEX/OK	PD	0	0	0.0%	0	0	0	1,984	9,026	-78.0%	0	0	0.0%	0	0	0.0%	20,060	17,175	16.8%
NGPL TEXOK INDEX	OI	0	0	0.0%	0	0	0	0	186	-100.0%	0	0	0.0%	0	0	0.0%	0	186	-100.0%
NGPL TEXOK SWING SWAP	OX	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
N ILLINOIS HUB DAILY	UD	0	-	-	0	-	0	-	-	-	0	-	0	-	-	0	-	-	

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Futures</b>																			
N ILLINOIS HUB MTHLY	UM	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
NO 2 UP-DOWN SPREAD CALE	UT	0	0	0.0%	0	0	0	100	325	-69.2%	0	0	0.0%	0	0	0.0%	2,375	2,100	13.1%
NORTHEN NATURAL GAS DEM	PE	0	0	0.0%	0	0	0	684	676	1.2%	0	0	0.0%	0	0	0.0%	1,047	1,038	0.9%
NORTHEN NATURAL GAS VENT	PF	0	0	0.0%	0	0	0	2,467	456	441.0%	0	0	0.0%	0	0	0.0%	4,076	2,009	102.9%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	0	0	0	42	-100.0%	0	0	0.0%	0	0	0.0%	0	42	-100.0%
NORTHWEST ROCKIES BASIS C	NR	0	0	0.0%	0	0	0	23,616	7,430	217.8%	0	0	0.0%	60	0	0.0%	81,011	27,865	190.7%
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	2,188	2,115	3.5%	0	0	0.0%	0	0	0.0%	8,003	10,106	-20.8%
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%	189	0	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	0	0	0.0%	0	0	0	125	225	-44.4%	0	0	0.0%	0	0	0.0%	725	1,045	-30.6%
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%	30	50	-40.0%
NY HARBOR HEAT OIL SWP	MP	0	51	-100.0%	0	0	0	927	4,269	-78.3%	24	107	-77.6%	3	0	0.0%	11,821	20,794	-43.2%
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	1,725	552	212.5%	0	0	0.0%	0	0	0.0%	2,850	2,767	3.0%
NY HARBOR LOW SULPUR GAS	SLS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	3,036	4,185	-27.5%	0	0	0.0%	0	0	0.0%	18,568	20,379	-8.9%
NY HARBOR RESIDUAL FUEL C	ML	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	896	174	414.9%	0	0	0.0%	0	0	0.0%	4,938	11,185	-55.9%
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	835	-100.0%
NYISO A	KA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	982	-100.0%
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	440	-100.0%
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	30	170	-82.4%	0	0	0.0%	0	0	0.0%	567	772	-26.6%
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	185	58	219.0%	0	0	0.0%	0	0	0.0%	758	1,518	-50.1%
NYISO G	KG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	321	-100.0%
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	150	-100.0%
NYISO J	KJ	0	0	0.0%	0	0	0	86	639	-86.5%	0	0	0.0%	0	0	0.0%	172	1,497	-88.5%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0	0	40	180	-77.8%	0	0	0.0%	0	0	0.0%	80	540	-85.2%
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0	0	70,440	9,408	648.7%	0	0	0.0%	0	0	0.0%	193,440	237,696	-18.6%
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0	0	210	510	-58.8%	0	0	0.0%	0	0	0.0%	640	4,685	-86.3%
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0	0	100,840	11,600	769.3%	0	0	0.0%	0	0	0.0%	280,750	11,600	2,320.3%
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	0	945	3,920	-75.9%	0	0	0.0%	0	0	0.0%	11,829	6,560	80.3%
NYISO ZONE J 5MW D AH O P	D4	0	0	0.0%	0	0	0	9,352	11,680	-19.9%	0	0	0.0%	0	0	0.0%	102,952	11,680	781.4%
NYISO ZONE J 5MW D AH PK	D3	0	0	0.0%	0	0	0	512	650	-21.2%	0	0	0.0%	0	0	0.0%	7,767	650	1,094.9%

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Futures</b>																			
NY JET FUEL (ARGUS) VS HEAT	5U	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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	1,630	-100.0%
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	0.0%
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	495	-100.0%
NY ULSD (ARGUS) VS HEATING	7Y	0	0	0.0%	0	0	0	12	300	-96.0%	0	0	0.0%	0	0	0.0%	2,542	14,036	-81.9%
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0	0	186	0	0.0%	0	0	0.0%	0	0	0.0%	945	852	10.9%
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	160	0	0.0%
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	141,040	-97.3%
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0	0	20	30	-33.3%	0	0	0.0%	0	0	0.0%	90	40	125.0%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0	0	210	0	0.0%	0	0	0.0%	0	0	0.0%	440	7,890	-94.4%
PANHANDLE BASIS SWAP FUT	PH	0	0	0.0%	0	0	0	11,777	13,049	-9.7%	0	0	0.0%	0	0	0.0%	32,360	35,329	-8.4%
PANHANDLE INDEX SWAP FUT	IV	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	558	-	-
PANHANDLE PIPE SWAP	XH	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	0	-	-
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0	0	3,298	2,627	25.5%	0	0	0.0%	0	0	0.0%	14,075	4,917	186.3%
PETROCHEMICALS	22	0	0	0.0%	0	0	0	101	16	531.3%	0	0	0.0%	0	0	0.0%	198	68	191.2%
PETROCHEMICALS	32	0	0	0.0%	0	0	0	19	26	-26.9%	0	0	0.0%	0	0	0.0%	170	178	-4.5%
PETROCHEMICALS	51	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROCHEMICALS	81	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROCHEMICALS	8I	0	0	0.0%	0	0	0	107	1,697	-93.7%	0	0	0.0%	0	0	0.0%	886	2,677	-66.9%
PETROCHEMICALS	91	0	0	0.0%	0	0	0	338	37	813.5%	0	0	0.0%	0	0	0.0%	554	119	365.5%
PETROCHEMICALS	HPE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	42	-52.4%
PETROCHEMICALS	LPE	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
PETROCHEMICALS	MAC	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	110	-	-
PETROCHEMICALS	MAE	0	0	0.0%	0	0	0	50	20	150.0%	0	0	0.0%	0	0	0.0%	140	90	55.6%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	0	30	40	-25.0%	0	0	0.0%	0	0	0.0%	200	170	17.6%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	0	2,590	1,935	33.9%	0	0	0.0%	0	0	0.0%	10,485	7,015	49.5%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	505	1,683	-70.0%	0	0	0.0%	0	0	0.0%	5,228	5,767	-9.3%
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,050	0	0.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	280	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	90	-100.0%
PETRO CRCKS & SPRDS NA	CBA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	58	0	0.0%	0	0	0.0%	0	0	0.0%	228	546	-58.2%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	1,514	1,235	22.6%	0	0	0.0%	0	0	0.0%	5,903	4,896	20.6%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	875	250	250.0%	0	0	0.0%	0	0	0.0%	2,700	1,250	116.0%

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry	Open Outcry	% CHG	ELEC	ELEC	% CHG	CME	CME	% CHG	Open Outcry	Open Outcry	% CHG	ELEC	ELEC	% CHG	CME	CME	% CHG	
	APR 2016	APR 2015		APR 2016	APR 2015		ClearPort APR 2016	ClearPort APR 2015		Y.T.D 2016	Y.T.D 2015		Y.T.D 2016	Y.T.D 2015		ClearPort Y.T.D 2016	ClearPort Y.T.D 2015		
<b>Energy Futures</b>																			
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	175	50	250.0%	0	0	0.0%	0	0	0.0%	175	50	250.0%
PETRO CRCKS & SPRDS NA	GCC	0	-	-	0	-		50	-	-	0	-	-	0	-	-	1,125	-	-
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	683	2,713	-74.8%	0	0	0.0%	0	0	0.0%	2,898	5,854	-50.5%
PETRO CRCKS & SPRDS NA	GCM	0	-	-	0	-		17	-	-	0	-	-	0	-	-	35	-	-
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	9,681	10,410	-7.0%	0	0	0.0%	0	0	0.0%	33,953	62,476	-45.7%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	3,057	4,835	-36.8%	0	0	0.0%	0	0	0.0%	18,959	17,457	8.6%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	NFC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	420	0	0.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	1,200	-91.7%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	0	0.0%	300	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	0	0	0.0%	0	0	0	8,156	11,969	-31.9%	0	0	0.0%	0	0	0.0%	35,377	57,896	-38.9%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	6,861	0	0.0%	0	0	0.0%	0	0	0.0%	27,189	1,790	1,418.9%
PETRO CRCKS & SPRDS NA	SF3	0	-	-	0	-		0	-	-	0	-	-	0	-	-	19	-	-
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	1,005	2,281	-55.9%	0	0	0.0%	0	0	0.0%	8,512	8,911	-4.5%
PETRO CRK&SPRD EURO	1ND	0	-	-	0	-		0	-	-	0	-	-	0	-	-	0	-	-
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	158	904	-82.5%	0	0	0.0%	0	0	0.0%	709	1,893	-62.5%
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	30	-100.0%
PETRO CRK&SPRD EURO	BOB	0	0	0.0%	0	0	0	2,003	1,777	12.7%	0	0	0.0%	0	0	0.0%	9,145	7,591	20.5%
PETRO CRK&SPRD EURO	EBF	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	10	102	-90.2%	0	0	0.0%	0	0	0.0%	70	237	-70.5%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	320	21	1,423.8%	0	0	0.0%	0	0	0.0%	654	79	727.8%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	2,212	1,525	45.0%	0	0	0.0%	0	0	0.0%	5,498	9,348	-41.2%
PETRO CRK&SPRD EURO	FBT	0	0	0.0%	0	0	0	190	20	850.0%	0	0	0.0%	0	0	0.0%	360	340	5.9%
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	5	-100.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	560	523	7.1%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	39	39	0.0%	0	0	0.0%	0	0	0.0%	39	545	-92.8%
PETRO CRK&SPRD EURO	GRB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	GRS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	LSU	0	0	0.0%	0	0	0	0	0	0.0%	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	84	-100.0%	0	0	0.0%	0	0	0.0%	0	280	-100.0%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	61	156	-60.9%	0	0	0.0%	0	0	0.0%	416	364	14.3%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	5	22	-77.3%	0	0	0.0%	0	0	0.0%	80	22	263.6%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
	<b>Energy Futures</b>																		
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	0	116	89	30.3%	0	0	0.0%	0	0	0.0%	1,234	513	140.5%
PETRO CRK&SPRD EURO	NYG	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	25	15	66.7%
PETRO CRK&SPRD EURO	SFC	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	D43	-	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	0.0%	0	34	-100.0%
PETROLEUM PRODUCTS	D45	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	0	-	-
PETROLEUM PRODUCTS	D63	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	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	0.0%	0	149	-100.0%
PETROLEUM PRODUCTS	D65	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6	733.3%
PETROLEUM PRODUCTS	MBS	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	471	-	-
PETROLEUM PRODUCTS	MPE	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	1,178	-	-
PETROLEUM PRODUCTS	RMG	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	RMK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	205	58	253.4%	0	0	0.0%	0	0	0.0%	362	460	-21.3%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	0	1,291	1,758	-26.6%	0	0	0.0%	0	0	0.0%	4,715	7,210	-34.6%
PETRO OUTRIGHT EURO	0A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0	0	294	160	83.8%	0	0	0.0%	0	0	0.0%	669	590	13.4%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	76	0	0.0%
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	0	4,686	3,558	31.7%	0	0	0.0%	0	0	0.0%	18,992	16,623	14.3%
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	0	1,259	165	663.0%	0	0	0.0%	0	0	0.0%	3,604	1,655	117.8%
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	0	970	1,333	-27.2%	0	0	0.0%	0	0	0.0%	3,903	4,562	-14.4%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	20	41	-51.2%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0	0	42	0	0.0%	0	0	0.0%	0	0	0.0%	164	347	-52.7%
PETRO OUTRIGHT EURO	59	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	5L	0	0	0.0%	0	0	0	105	80	31.3%	0	0	0.0%	0	0	0.0%	400	522	-23.4%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	195	125	56.0%	0	0	0.0%	0	0	0.0%	537	422	27.3%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	16	-100.0%
PETRO OUTRIGHT EURO	7I	0	0	0.0%	0	0	0	270	343	-21.3%	0	0	0.0%	0	0	0.0%	700	905	-22.7%
PETRO OUTRIGHT EURO	7P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	40	-100.0%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	0	273	326	-16.3%	0	0	0.0%	0	0	0.0%	998	1,545	-35.4%
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0	0	15	0	0.0%	0	0	0.0%	0	0	0.0%	20	158	-87.3%

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC			CME ClearPort			Open Outcry Y.T.D			ELEC Y.T.D			CME ClearPort Y.T.D			
				APR 2016	APR 2015	% CHG	APR 2016	APR 2015	% CHG	Y.T.D 2016	Y.T.D 2015	% CHG	Y.T.D 2016	Y.T.D 2015	% CHG	Y.T.D 2016	Y.T.D 2015	% CHG	
<b>Energy Futures</b>																			
PETRO OUTRIGHT EURO	CBB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	6	30	-80.0%
PETRO OUTRIGHT EURO	CPB	0	0	0.0%	0	0	0	107	36	197.2%	0	0	0.0%	0	0	0.0%	187	49	281.6%
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	0	0	75	14	435.7%	0	0	0.0%	0	0	0.0%	281	149	88.6%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	0	71	-100.0%	0	0	0.0%	0	0	0.0%	90	375	-76.0%
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	0	0	0	82	60	36.7%	0	0	0.0%	0	0	0.0%	508	385	31.9%
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	0	125	105	19.0%	0	0	0.0%	0	0	0.0%	587	348	68.7%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	24	-100.0%
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	34	125	-72.8%
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	0	1,126	290	288.3%	0	0	0.0%	0	0	0.0%	4,327	4,022	7.6%
PETRO OUTRIGHT EURO	RBF	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	0	400	-100.0%	0	0	0.0%	0	0	0.0%	0	500	-100.0%
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0	0	65	60	8.3%	0	0	0.0%	0	0	0.0%	187	1,297	-85.6%
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	90	1,550	-94.2%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0	0	0	475	-100.0%	0	0	0.0%	0	0	0.0%	0	1,929	-100.0%
PETRO OUTRIGHT EURO	W0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	0	0.0%
PETRO OUTRIGHT EURO	X0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	522	-100.0%
PETRO OUTRIGHT EURO	Y0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
PETRO OUTRIGHT NA	5Y	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	DBB	-	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	89	288	-69.1%	0	0	0.0%	0	0	0.0%	226	1,184	-80.9%
PETRO OUTRIGHT NA	FOB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0	0	0	32	-100.0%	0	0	0.0%	0	0	0.0%	3	47	-93.6%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	439	0	0.0%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	0	1,550	1,100	40.9%	0	0	0.0%	0	0	0.0%	7,170	1,200	497.5%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	0	194	-100.0%	0	0	0.0%	0	0	0.0%	0	597	-100.0%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	828	760	8.9%	0	0	0.0%	0	0	0.0%	3,369	2,442	38.0%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	8,899	9,828	-9.5%	0	0	0.0%	0	0	0.0%	36,962	37,025	-0.2%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	44	0	0.0%	0	0	0.0%	0	0	0.0%	300	15	1,900.0%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	259	74	250.0%	0	0	0.0%	0	0	0.0%	668	858	-22.1%
PETRO OUTRIGHT NA	NYB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%
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%
PGE&E CITYGATE	PC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Futures</b>																			
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	35,370	0	0.0%	0	0	0.0%	0	0	0.0%	690,936	7,808	8,749.1%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	9,100	0	0.0%	0	0	0.0%	0	0	0.0%	40,724	0	0.0%
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%	0	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%	0	0	0.0%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0	0	23,400	0	0.0%	0	0	0.0%	0	0	0.0%	23,400	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0	0	1,275	0	0.0%	0	0	0.0%	0	0	0.0%	1,275	0	0.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0	0	93,600	0	0.0%	0	0	0.0%	0	0	0.0%	187,200	0	0.0%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0	0	5,100	0	0.0%	0	0	0.0%	0	0	0.0%	10,200	0	0.0%
PJM DAILY	JD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0	0	8,000	0	0.0%	0	0	0.0%	0	0	0.0%	21,305	7,808	172.9%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	765	0	0.0%
PJM DPL DA OFF-PEAK	E8	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM DPL DA PEAK	L8	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM DUQUESNE 5MW D AH PK	D5	0	0	0.0%	0	0	0	0	0	0.0%	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	0	0.0%	0	0	0.0%
PJM EASTERNH DA PEAK	E9	-	0	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	3,680	-100.0%
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	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0	0	9,800	0	0.0%	0	0	0.0%	0	0	0.0%	19,043	80	23,703.8%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	0	199,440	0	0.0%	0	0	0.0%	0	0	0.0%	554,837	1,408	39,306.0%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0	0	121,120	3,122	3,779.6%	0	0	0.0%	0	0	0.0%	298,835	19,380	1,442.0%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	0	5,100	260	1,861.5%	0	0	0.0%	0	0	0.0%	12,948	1,104	1,072.8%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0	0	0	312	-100.0%	0	0	0.0%	0	0	0.0%	0	872	-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	0.0%
PJM PEPKO DA OFF-PEAK	Q8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PEPKO DA PEAK	R8	-	0	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	0.0%
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	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0	0	46,800	0	0.0%	0	0	0.0%	0	0	0.0%	163,800	0	0.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0	0	2,550	0	0.0%	0	0	0.0%	0	0	0.0%	5,100	0	0.0%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Futures</b>																			
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	257,400	0	0.0%	0	0	0.0%	0	0	0.0%	417,490	0	0.0%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0	0	14,025	0	0.0%	0	0	0.0%	0	0	0.0%	20,960	0	0.0%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	0	779,925	0	0.0%	0	0	0.0%	0	0	0.0%	3,442,961	65,856	5,128.0%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	0	58,419	0	0.0%	0	0	0.0%	0	0	0.0%	289,729	0	0.0%
PLASTICS	PGP	0	0	0.0%	0	0	0	501	1,565	-68.0%	0	0	0.0%	0	0	0.0%	1,801	5,599	-67.8%
PLASTICS	PPP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	480	706	-32.0%	0	0	0.0%	0	0	0.0%	1,520	1,844	-17.6%
PREMIUM UNLD 10PPM CARGO	4G	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	53	138	-61.6%	0	0	0.0%	0	0	0.0%	161	280	-42.5%
PREM UNL GAS 10PPM RDAM F	7N	0	0	0.0%	0	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	2	61	-96.7%
PREM UNL GAS 10PPM RDAM F	7L	0	0	0.0%	0	0	0	36	20	80.0%	0	0	0.0%	0	0	0.0%	146	191	-23.6%
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	949	415	128.7%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	11,996	6,270	91.3%	0	0	0.0%	0	0	0.0%	35,052	21,149	65.7%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	6,658	7,192	-7.4%	0	12	-100.0%	0	0	0.0%	21,429	24,367	-12.1%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	619	250	147.6%	0	0	0.0%	0	0	0.0%	7,902	3,295	139.8%
RBOB CRACK SPREAD BALMO	1E	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	0	24	1,461	-98.4%	0	0	0.0%	0	0	0.0%	2,200	4,000	-45.0%
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 SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	59	-100.0%
RBOB UP-DOWN CALENDAR S	RV	0	0	0.0%	0	0	0	0	7,235	-100.0%	0	0	0.0%	0	0	0.0%	9,203	36,320	-74.7%
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0	0	1,675	1,600	4.7%	0	0	0.0%	0	0	0.0%	5,006	4,900	2.2%
ROCKIES KERN OPAL - NW IN	IR	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	736	-	-
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0	0	11,310	1,252	803.4%	0	0	0.0%	0	0	0.0%	20,966	5,089	312.0%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0	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	181	20	805.0%	0	0	0.0%	0	0	0.0%	304	121	151.2%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	103	226	-54.4%	0	0	0.0%	0	0	0.0%	554	478	15.9%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	6,062	5,977	1.4%	0	0	0.0%	0	0	0.0%	22,988	24,410	-5.8%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	1,280	1,933	-33.8%	0	0	0.0%	0	0	0.0%	5,067	10,876	-53.4%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	284	645	-56.0%	0	0	0.0%	0	0	0.0%	1,452	3,029	-52.1%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	255	111	129.7%	0	0	0.0%	0	0	0.0%	1,248	545	129.0%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	3,491	3,164	10.3%	0	0	0.0%	0	0	0.0%	12,722	10,428	22.0%
SINGAPORE GASOIL	STF	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE GASOIL	STL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	150	-33.3%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG
<b>Energy Futures</b>																		
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL BALMO	VU	0	0	0.0%	0	0	12	0	0.0%	0	0	0.0%	0	0	0.0%	884	369	139.6%
SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	90	125	-28.0%	0	0	0.0%	0	0	0.0%	187	6,241	-97.0%
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	0	9,414	2,134	341.1%	0	0	0.0%	0	0	0.0%	14,290	13,876	3.0%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	1,030	300	243.3%	0	0	0.0%	0	0	0.0%	4,660	1,895	145.9%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	56	300	-81.3%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	805	150	436.7%	0	0	0.0%	0	0	0.0%	3,030	1,595	90.0%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	550	803	-31.5%	0	0	0.0%	0	0	0.0%	2,290	7,755	-70.5%
SINGAPORE JET KERO VS. GAS	Z0	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	1,350	225	500.0%	0	0	0.0%	0	0	0.0%	2,235	1,845	21.1%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	7,380	5,740	28.6%	0	0	0.0%	0	0	0.0%	28,104	42,607	-34.0%
SINGAPORE NAPHTHA BALMO	KU	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	0	0.0%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	0	0	775	-100.0%	0	0	0.0%	0	0	0.0%	0	1,075	-100.0%
SING FUEL	MSD	0	0	0.0%	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	5	0	0.0%
SOCAL BASIS SWAP	NS	0	0	0.0%	0	0	0	0	0.0%	0	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	0	0.0%	0	0	0.0%	5,600	0	0.0%
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	0	0	368	2,388	-84.6%	0	0	0.0%	0	0	0.0%	368	6,788	-94.6%
SOUTHERN NAT LA NAT GAS	M8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	522	4,280	-87.8%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	0.0%	0	0	264	608	-56.6%	0	0	0.0%	0	0	0.0%	264	3,160	-91.6%
Sumas Basis Swap	NK	0	0	0.0%	0	0	1,976	1,523	29.7%	0	0	0.0%	0	0	0.0%	4,208	4,627	-9.1%
SUMAS NAT GAS PLATTS FIXE	DVS	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	0.0%	0	13	-100.0%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	30	-50.0%
TCO BASIS SWAP	TC	0	0	0.0%	0	0	248	186	33.3%	0	0	0.0%	0	0	0.0%	13,571	8,858	53.2%
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%
TD3 MEG TO JAPAN 250K MT	TL	-	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%	1,037	0	0.0%
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	0	0	856	-100.0%	0	0	0.0%	0	0	0.0%	0	4,550	-100.0%
TENNESSEE 500 LEG NG INDE	Y7	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TENNESSEE 500 LEG NG SWIN	T7	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TENNESSEE 800 LEG NG BASI	6Z	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	428	1,344	-68.2%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	788	0	0.0%
Tetco ELA Basis	TE	0	0	0.0%	0	0	0	368	-100.0%	0	0	0.0%	0	0	0.0%	0	368	-100.0%
TETCO M-3 INDEX	IX	0	0	0.0%	0	0	1,352	0	0.0%	0	0	0.0%	0	0	0.0%	4,062	0	0.0%



## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Futures</b>																			
Tetco STX Basis	TX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	881	642	37.2%	
TEXAS EASTERN ZONE M-3 BA	NX	0	0	0.0%	0	0	0	10,180	1,836	454.5%	0	0	0.0%	0	0	0.0%	34,983	5,688	515.0%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0	0	62	-100.0%	0	0	0.0%	0	0	0.0%	0	16,096	-100.0%	
TRANSCO ZONE 1 NG BASIS	8E	0	0	0.0%	0	0	0	368	-100.0%	0	0	0.0%	0	0	0.0%	0	368	-100.0%	
Transco Zone 3 Basis	CZ	0	0	0.0%	0	0	0	608	-100.0%	0	0	0.0%	0	0	0.0%	490	1,858	-73.6%	
TRANSCO ZONE4 BASIS SWAP	TR	0	0	0.0%	0	0	0	4,055	-78.5%	0	0	0.0%	0	0	0.0%	10,705	44,159	-75.8%	
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	0	0	496	0.0%	0	0	0.0%	0	0	0.0%	496	0	0.0%	
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	0.0%	0	0	0	711	-65.2%	0	0	0.0%	0	0	0.0%	4,169	2,548	63.6%	
TRANSCO ZONE 6 INDEX	IT	0	0	0.0%	0	0	0	1,720	0.0%	0	0	0.0%	0	0	0.0%	4,554	76	5,892.1%	
TRANSCO ZONE 6 PIPE SWAP	XZ4	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
UCM FUT	UCM	0	0	0.0%	0	0	0	20	0.0%	0	0	0.0%	0	0	0.0%	120	78	53.8%	
ULSD 10PPM CIF MED BALMO	X7	0	-	-	0	-	0	35	-	0	-	-	0	-	-	35	-	-	
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	0	0	35	0.0%	0	0	0.0%	0	0	0.0%	42	0	0.0%	
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0	0	136	-100.0%	0	0	0.0%	0	0	0.0%	75	521	-85.6%	
ULSD 10PPM CIF NW BALMO S	B1	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ULSD 10PPM CIF VS ICE GAS	7V	0	0	0.0%	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	35	10	250.0%	
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	0	5,600	1,370	308.8%	0	0	0.0%	0	0	0.0%	13,110	9,136	43.5%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	52,226	29,429	77.5%	0	0	0.0%	0	0	0.0%	211,863	144,707	46.4%
USGC UNL 87 CRACK SPREAD	RU	0	0	0.0%	0	0	0	225	-100.0%	0	0	0.0%	0	0	0.0%	175	1,325	-86.8%	
VENTURA NAT GAS PLATTS FIX	DVA	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
WAHA BASIS	NW	0	0	0.0%	0	0	0	2,879	866	232.4%	0	0	0.0%	0	0	0.0%	14,610	7,702	89.7%
WAHA INDEX SWAP FUTURE	IY	0	0	0.0%	0	0	0	3,060	0	0.0%	0	0	0.0%	0	0	0.0%	4,520	0	0.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0	0	1,635	3,600	-54.6%	0	0	0.0%	0	0	0.0%	5,096	12,200	-58.2%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	0	5,785	23,221	-75.1%	0	0	0.0%	0	0	0.0%	42,777	98,572	-56.6%
WTI CALENDAR	CS	494	0	0.0%	0	0	0	32,131	45,622	-29.6%	572	22	2,500.0%	0	0	0.0%	128,823	170,824	-24.6%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	7,020	-100.0%	0	0	0.0%	0	0	0.0%	4,220	32,094	-86.9%	
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	1,740	2,550	-31.8%	0	0	0.0%	0	0	0.0%	3,305	10,823	-69.5%
<b>Energy Options</b>																			
1 MO GASOIL CAL SWAP SPR	GXA	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	0.0%	0	40	-100.0%	

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Options</b>																			
BRENT 1 MONTH CAL	AA	-	0	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	4,000	9,648	-58.5%	0	0	0.0%	0	0	0.0%	6,061	127,481	-95.2%
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	2,517	1,500	67.8%	0	0	0.0%	0	0	0.0%	15,666	24,617	-36.4%
BRENT OIL LAST DAY	BZO	0	-	-	917	-	-	4,300	-	-	0	-	-	918	-	-	16,190	-	-
BRENT OIL LAST DAY	OS	1,231	228	439.9%	0	3	-1	0	2,200	-100.0%	1,412	1,880	-24.9%	0	3	-100.0%	5,298	23,790	-77.7%
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	2,480	3,750	-33.9%	0	0	0.0%	0	0	0.0%	28,705	19,810	44.9%
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	22,150	8,187	170.6%	0	0	0.0%	0	0	0.0%	86,359	30,467	183.5%
COAL API2 INDEX	MTC	0	0	0.0%	0	0	0	150	151	-0.7%	0	0	0.0%	0	0	0.0%	150	151	-0.7%
COAL API4 INDEX	RLA	0	0	0.0%	0	0	0	0	400	-100.0%	0	0	0.0%	0	0	0.0%	50	1,000	-95.0%
COAL API4 INDEX	RQA	0	0	0.0%	0	0	0	130	0	0.0%	0	0	0.0%	0	0	0.0%	1,330	50	2,560.0%
COAL SWAP	CPF	0	0	0.0%	0	0	0	20	65	-69.2%	0	0	0.0%	0	0	0.0%	385	430	-10.5%
COAL SWAP	RPF	0	0	0.0%	0	0	0	40	85	-52.9%	0	0	0.0%	0	0	0.0%	46	1,785	-97.4%
CRUDE OIL 1MO	WA	0	3,400	-100.0%	102,496	8,682	10.81	87,400	230,710	-62.1%	0	4,600	-100.0%	144,984	27,826	421.0%	673,650	839,270	-19.7%
CRUDE OIL APO	AO	1,580	45	3,411.1%	0	0	0	20,010	64,050	-68.8%	5,040	330	1,427.3%	0	0	0.0%	82,093	453,108	-81.9%
CRUDE OIL CALNDR STRIP	6F	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	AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	600	-75.0%
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	900	-100.0%
CRUDE OIL PHY	CD	0	0	0.0%	0	0	0	2,100	100	2,000.0%	0	0	0.0%	0	0	0.0%	11,975	8,575	39.7%
CRUDE OIL PHY	LC	321	1,306	-75.4%	0	0	0	22,870	42,578	-46.3%	5,456	12,536	-56.5%	0	0	0.0%	187,755	189,721	-1.0%
CRUDE OIL PHY	LO	33,342	143,435	-76.8%	2,869,386	2,231,620	0.29	760,178	847,767	-10.3%	140,794	682,602	-79.4%	11,712,475	9,166,708	27.8%	3,692,276	4,020,054	-8.2%
CRUDE OIL PHY	LO1	250	0	0.0%	1,757	4,022	-0.56	0	100	-100.0%	250	0	0.0%	20,168	20,374	-1.0%	0	250	-100.0%
CRUDE OIL PHY	LO2	0	0	0.0%	3,019	1,269	1.38	0	0	0.0%	0	6	-100.0%	17,337	15,351	12.9%	200	50	300.0%
CRUDE OIL PHY	LO3	0	0	0.0%	71	1,534	-0.95	0	0	0.0%	0	0	0.0%	7,245	10,295	-29.6%	0	200	-100.0%
CRUDE OIL PHY	LO4	300	0	0.0%	4,051	3,565	0.14	230	0	0.0%	300	0	0.0%	15,430	12,756	21.0%	430	250	72.0%
CRUDE OIL PHY	LO5	585	0	0.0%	3,405	0	0	0	0	0.0%	585	0	0.0%	10,290	4,768	115.8%	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	0.0%	0	8,000	-100.0%
ELEC FINSETTLED	PML	0	0	0.0%	0	0	0	37	0	0.0%	0	0	0.0%	0	0	0.0%	111	17	552.9%
ELEC MISO PEAK	9T	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-
ELEC MISO PEAK	OEM	-	0	0.0%	-	0	0	-	0	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%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ETHANOL	CE1	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	25	-	-
ETHANOL	CE3	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	25	-	-
ETHANOL SWAP	CVR	0	0	0.0%	0	0	0	8,731	7,387	18.2%	0	0	0.0%	0	0	0.0%	22,785	27,154	-16.1%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	950	150	533.3%	0	0	0.0%	0	0	0.0%	1,168	330	253.9%

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Options</b>																			
EURO-DENOMINATED PETRO P	EFB	0	0	0.0%	0	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%	
EUROPEAN JET KEROSENE N	30	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	0	0.0%	
GASOIL CRACK SPREAD AVG P	3U	0	0	0.0%	0	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%	872	0	0.0%	
HEATING OIL PHY	LB	0	16	-100.0%	0	0	0	0	0.0%	44	465	-90.5%	0	0	0.0%	60	875	-93.1%	
HEATING OIL PHY	OH	839	2,655	-68.4%	5,883	6,110	-0.04	46,099	36,036	27.9%	3,735	11,802	-68.4%	31,576	29,313	7.7%	191,404	193,054	-0.9%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	978	1,872	-47.8%	0	0	0.0%	0	0	0.0%	5,069	9,735	-47.9%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0	0	1,000	0	0.0%	0	25	-100.0%	0	0	0.0%	5,700	1,475	286.4%
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	2,160	-100.0%
ISO NEW ENGLAND PK LMP	OE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
LLS CRUDE OIL	WJO	0	-	-	0	-	1,830	-	-	0	-	-	0	-	-	4,530	-	-	
MCCLOSKY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	600	0	0.0%	0	0	0.0%	0	0	0.0%	6,390	3,675	73.9%
MCCLOSKY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	450	0	0.0%	0	0	0.0%	0	0	0.0%	1,350	1,200	12.5%
NATURAL GAS	G10	0	-	-	0	-	0	-	-	0	-	-	0	-	-	500	-	-	
NATURAL GAS 12 M CSO FIN	G7	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
NATURAL GAS 1 M CSO FIN	G4	0	0	0.0%	0	0	0	2,625	700	275.0%	200	962	-79.2%	0	0	0.0%	30,655	179,997	-83.0%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,000	0	0.0%	
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	22,125	2,800	690.2%	250	0	0.0%	0	0	0.0%	57,932	12,110	378.4%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	0	650	750	-13.3%	0	0	0.0%	0	0	0.0%	1,200	1,700	-29.4%
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%	4,100	43,900	-90.7%	
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	40	2,080	-98.1%	0	0	0.0%	0	0	0.0%	11,378	6,980	63.0%
NATURAL GAS PHY	KD	0	0	0.0%	0	0	0	38,346	16,730	129.2%	0	75	-100.0%	0	10	-100.0%	136,902	85,126	60.8%
NATURAL GAS PHY	LN	229	6,636	-96.5%	361,847	21,450	15.87	1,179,469	1,116,560	5.6%	7,680	59,152	-87.0%	1,036,349	28,820	3,495.9%	6,450,958	5,128,445	25.8%
NATURAL GAS PHY	ON	1,014	4,953	-79.5%	282,039	179,705	0.57	11,196	22,964	-51.2%	5,361	34,055	-84.3%	1,081,385	769,986	40.4%	39,581	64,948	-39.1%
NATURAL GAS PHY	ON1	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS PHY	ON2	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS PHY	ON3	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS PHY	ON4	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS PHY	ON5	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
NATURAL GAS SUMMER STRIP	4D	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NG HH 3 MONTH CAL	IC	0	-	-	0	-	0	-	-	250	-	-	0	-	-	0	-	-	
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	0	630	726	-13.2%	0	0	0.0%	0	0	0.0%	1,350	726	86.0%
NY HARBOR HEAT OIL SWP	AT	95	301	-68.4%	0	0	0	2,651	7,389	-64.1%	766	778	-1.5%	0	0	0.0%	23,560	50,218	-53.1%

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Energy Options</b>																			
NYISO ZONE G 5MW PEAK OPT	9U	0	0	0.0%	0	0	0	0	110	-100.0%	0	0	0.0%	0	0	0.0%	0	110	-100.0%
NYMEX EUROPEAN GASOIL AP	F7	0	0	0.0%	0	0	0	0	1,200	-100.0%	0	0	0.0%	0	0	0.0%	0	1,404	-100.0%
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	220	-100.0%
PETROCHEMICALS	4H	0	0	0.0%	0	1	-1	2,640	3,111	-15.1%	0	0	0.0%	0	3	-100.0%	7,430	4,228	75.7%
PETROCHEMICALS	4I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,950	165	1,081.8%
PETROCHEMICALS	4K	0	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	0.0%	495	0	0.0%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
PGE CITYGATE PIPE SWAP	CW	0	0	0.0%	0	0	0	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	80	-100.0%	0	0	0.0%	0	0	0.0%	0	620	-100.0%
PJM ELECTRIC	6OO	0	0	0.0%	0	0	0	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	0.0%
PJM WES HUB PEAK CAL MTH	6OA	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	140	-	-
PJM WES HUB PEAK CAL MTH	JOA	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	10,300	-	-
PJM WES HUB PEAK LMP 50MW	PMA	0	-	-	0	-	-	164	-	-	0	-	-	0	-	-	1,364	-	-
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0	0	1,700	0	0.0%	0	0	0.0%	0	0	0.0%	1,700	0	0.0%
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0	0	1,000	6,420	-84.4%	48	9	433.3%	0	0	0.0%	2,125	8,324	-74.5%
RBOB PHY	OB	1,162	2,033	-42.8%	8,695	7,090	0.23	38,585	17,357	122.3%	6,484	7,718	-16.0%	35,376	25,230	40.2%	143,531	65,759	118.3%
RBOB PHY	RF	0	0	0.0%	0	1	-1	0	813	-100.0%	0	0	0.0%	0	13	-100.0%	20	5,237	-99.6%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	280	305	-8.2%
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0	0	1,122	728	54.1%	0	0	0.0%	0	0	0.0%	1,122	728	54.1%
SHORT TERM	U11	0	0	0.0%	0	0	0	150	0	0.0%	0	0	0.0%	0	0	0.0%	1,300	855	52.0%
SHORT TERM	U12	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	1,530	1,010	51.5%
SHORT TERM	U13	0	0	0.0%	0	0	0	1,036	585	77.1%	0	0	0.0%	0	0	0.0%	2,536	835	203.7%
SHORT TERM	U14	0	0	0.0%	0	0	0	1,400	100	1,300.0%	0	0	0.0%	0	0	0.0%	3,225	200	1,512.5%
SHORT TERM	U15	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	1,400	75	1,766.7%
SHORT TERM	U22	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	1,650	25	6,500.0%
SHORT TERM	U23	0	0	0.0%	0	0	0	0	700	-100.0%	0	0	0.0%	0	0	0.0%	300	1,480	-79.7%
SHORT TERM	U24	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	550	300	83.3%
SHORT TERM	U25	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	205	625	-67.2%
SHORT TERM	U26	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,080	250	332.0%
SHORT TERM CRUDE OIL	C02	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SHORT TERM CRUDE OIL	C05	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG
<b>Energy Options</b>																		
SHORT TERM NATURAL GAS U01	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	2,075	100	1,975.0%
SHORT TERM NATURAL GAS U02	0	0	0.0%	0	0	0	800	748	7.0%	0	0	0.0%	0	0	0.0%	2,975	1,773	67.8%
SHORT TERM NATURAL GAS U03	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	1,000	-70.0%
SHORT TERM NATURAL GAS U04	0	0	0.0%	0	0	0	425	0	0.0%	0	0	0.0%	0	0	0.0%	1,500	700	114.3%
SHORT TERM NATURAL GAS U05	0	0	0.0%	0	0	0	650	0	0.0%	0	0	0.0%	0	0	0.0%	1,450	500	190.0%
SHORT TERM NATURAL GAS U06	0	0	0.0%	0	0	0	550	600	-8.3%	0	0	0.0%	0	0	0.0%	1,280	1,425	-10.2%
SHORT TERM NATURAL GAS U07	0	0	0.0%	0	0	0	1,000	100	900.0%	0	0	0.0%	0	0	0.0%	3,000	100	2,900.0%
SHORT TERM NATURAL GAS U08	0	0	0.0%	0	0	0	347	150	131.3%	0	0	0.0%	0	0	0.0%	1,347	650	107.2%
SHORT TERM NATURAL GAS U09	0	0	0.0%	0	0	0	0	700	-100.0%	0	0	0.0%	0	0	0.0%	1,347	2,351	-42.7%
SHORT TERM NATURAL GAS U10	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	2,715	725	274.5%
SHORT TERM NATURAL GAS U16	0	0	0.0%	0	0	0	0	1,300	-100.0%	0	0	0.0%	0	0	0.0%	1,285	2,125	-39.5%
SHORT TERM NATURAL GAS U17	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	380	685	-44.5%
SHORT TERM NATURAL GAS U18	0	0	0.0%	0	0	0	125	0	0.0%	0	0	0.0%	0	0	0.0%	1,000	25	3,900.0%
SHORT TERM NATURAL GAS U19	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	780	1,920	-59.4%
SHORT TERM NATURAL GAS U20	0	0	0.0%	0	0	0	200	100	100.0%	0	0	0.0%	0	0	0.0%	730	630	15.9%
SHORT TERM NATURAL GAS U21	0	0	0.0%	0	0	0	50	150	-66.7%	0	0	0.0%	0	0	0.0%	475	350	35.7%
SHORT TERM NATURAL GAS U27	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	0	0.0%	300	925	-67.6%
SHORT TERM NATURAL GAS U28	0	0	0.0%	0	0	0	1,200	0	0.0%	0	0	0.0%	0	0	0.0%	1,925	0	0.0%
SHORT TERM NATURAL GAS U29	0	0	0.0%	0	0	0	750	50	1,400.0%	0	0	0.0%	0	0	0.0%	2,075	300	591.7%
SHORT TERM NATURAL GAS U30	0	0	0.0%	0	0	0	0	1,025	-100.0%	0	0	0.0%	0	0	0.0%	500	2,425	-79.4%
SHORT TERM NATURAL GAS U31	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	750	200	275.0%
SINGAPORE FUEL OIL 180 CS C5	0	0	0.0%	0	0	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%
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	0	0.0%
WTI 12 MONTH CALENDAR OPT WZ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
WTI 6 MONTH CALENDAR OPTI WM	-	0	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%	0	0	0	5,400	22,810	-76.3%	0	0	0.0%	0	0	0.0%	105,490	114,450	-7.8%
WTI CRUDE OIL 12 M CSO F 7Z	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
WTI CRUDE OIL 1 M CSO FI 7A	0	3,000	-100.0%	4,509	0	0	135,600	168,500	-19.5%	0	3,000	-100.0%	10,926	0	0.0%	738,655	800,920	-7.8%

**NYMEX/COMEX Exchange Volume Comparison Report - Monthly**

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Metals Futures</b>																			
COMEX GOLD	GC	6,768	51,596	-86.9%	3,703,316	2,869,807	0.29	106,635	53,164	100.6%	47,474	164,719	-71.2%	17,169,652	13,645,857	25.8%	488,203	333,560	46.4%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	685	480	0.43	7,891	6,009	31.3%	0	0	0.0%	2,014	640	214.7%	21,010	15,994	31.4%
NYMEX PLATINUM	PL	22	68	-67.6%	239,283	206,642	0.16	3,888	3,643	6.7%	38	124	-69.4%	1,157,034	1,017,449	13.7%	23,962	22,183	8.0%
PALLADIUM	PA	0	40	-100.0%	87,971	72,362	0.22	3,480	2,751	26.5%	63	134	-53.0%	406,220	400,623	1.4%	14,350	12,463	15.1%
URANIUM	UX	0	0	0.0%	20	0	0	1,100	0	0.0%	0	0	0.0%	739	792	-6.7%	4,300	400	975.0%
COMEX SILVER	SI	1,597	13,553	-88.2%	1,905,854	1,379,141	0.38	35,592	17,275	106.0%	5,350	52,152	-89.7%	5,652,432	4,295,868	31.6%	90,801	68,593	32.4%
COMEX E-Mini GOLD	QO	0	0	0.0%	11,692	3,561	2.28	0	0	0.0%	0	0	0.0%	41,361	24,257	70.5%	0	0	0.0%
E-MINI SILVER	6Q	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	1,389	976	0.42	0	0	0.0%	0	0	0.0%	3,579	3,788	-5.5%	0	0	0.0%
COMEX COPPER	HG	11	55,131	-100.0%	1,993,397	1,509,609	0.32	2,120	3,048	-30.4%	454	167,026	-99.7%	6,612,236	5,585,806	18.4%	14,589	9,708	50.3%
COMEX MINY COPPER	QC	0	0	0.0%	528	687	-0.23	0	0	0.0%	0	0	0.0%	2,830	4,500	-37.1%	0	0	0.0%
Aluminium MW Trans Prem Platts	AUP	0	0	0.0%	291	429	-0.32	5,562	1,793	210.2%	0	0	0.0%	1,835	1,280	43.4%	23,640	4,842	388.2%
ALUMINIUM	AEP	0	-	-	345	-	-	1,350	-	-	0	-	-	2,208	-	-	2,771	-	-
ALUMINIUM	ALI	0	0	0.0%	757	199	2.8	0	0	0.0%	0	0	0.0%	2,372	1,215	95.2%	0	0	0.0%
ALUMINIUM	EDP	0	-	-	0	-	-	144	-	-	0	-	-	0	-	-	240	-	-
ALUMINIUM	MJP	0	-	-	1	-	-	160	-	-	0	-	-	646	-	-	1,654	-	-
COPPER	HGS	0	0	0.0%	0	0	0	504	150	236.0%	0	0	0.0%	0	0	0.0%	1,061	1,025	3.5%
E-MICRO GOLD	MGC	0	0	0.0%	87,153	23,256	2.75	0	0	0.0%	0	0	0.0%	350,385	113,882	207.7%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	0	0	0	390	550	-29.1%	0	0	0.0%	0	0	0.0%	390	550	-29.1%
FERROUS PRODUCTS	SSF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Gold Kilo	GCK	0	0	0.0%	3,861	4,350	-0.11	0	0	0.0%	0	0	0.0%	24,316	12,521	94.2%	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	0.0%	0	0	0.0%
IRON ORE 62 CHINA PLATTS FL	PIO	0	0	0.0%	0	0	0	0	552	-100.0%	0	0	0.0%	0	0	0.0%	1,190	1,098	8.4%
IRON ORE 62 CHINA TSI FUTUR	TIO	0	0	0.0%	498	0	0	19,375	14,863	30.4%	0	0	0.0%	3,105	0	0.0%	86,793	31,145	178.7%
LNDN ZINC	ZNC	0	-	-	0	-	-	0	-	-	0	-	-	79	-	-	0	-	-
SILVER	SIL	0	0	0.0%	9,938	7,788	0.28	0	0	0.0%	0	0	0.0%	30,600	40,305	-24.1%	0	0	0.0%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG	
<b>Metals Options</b>																			
COMEX COPPER	HX	50	890	-94.4%	2,072	967	1.14	0	0	0.0%	950	4,497	-78.9%	6,579	5,884	11.8%	296	0	0.0%
COMEX GOLD	OG	39,240	83,139	-52.8%	529,109	393,964	0.34	103,689	105,705	-1.9%	330,622	350,282	-5.6%	2,550,739	1,594,348	60.0%	600,740	566,461	6.1%
COMEX SILVER	SO	11,843	13,159	-10.0%	122,308	77,943	0.57	20,271	5,900	243.6%	35,371	56,559	-37.5%	389,156	338,736	14.9%	41,245	60,431	-31.7%
COPPER	H4E	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	0	-	-
GOLD	OG1	60	0	0.0%	444	153	1.9	0	0	0.0%	86	0	0.0%	3,764	1,444	160.7%	100	50	100.0%
GOLD	OG2	90	320	-71.9%	253	248	0.02	0	100	-100.0%	240	620	-61.3%	3,135	1,514	107.1%	950	100	850.0%
GOLD	OG3	30	0	0.0%	522	132	2.95	150	0	0.0%	30	60	-50.0%	2,968	2,326	27.6%	250	0	0.0%
GOLD	OG4	0	0	0.0%	685	9	75.11	150	0	0.0%	0	380	-100.0%	2,072	552	275.4%	150	0	0.0%
GOLD	OG5	0	0	0.0%	1,054	0	0	0	0	0.0%	200	0	0.0%	1,510	551	174.0%	100	0	0.0%
HOT ROLLED COIL STEEL CALL	HRO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HOT ROLLED COIL STEEL PUT	HRO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA TSI CALL C	ICT	0	0	0.0%	0	0	0	4,636	2,530	83.2%	0	0	0.0%	0	0	0.0%	31,031	6,900	349.7%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	2,940	13,560	-78.3%	0	0	0.0%	0	0	0.0%	13,230	27,120	-51.2%
NYMEX PLATINUM	PO	489	162	201.9%	406	663	-0.39	3,315	12,015	-72.4%	1,566	1,836	-14.7%	2,257	1,898	18.9%	14,490	26,091	-44.5%
PALLADIUM	PAO	12	105	-88.6%	93	199	-0.53	1,899	2,628	-27.7%	272	825	-67.0%	513	1,360	-62.3%	11,774	15,235	-22.7%
SHORT TERM	L11	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SHORT TERM GOLD	L02	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SHORT TERM GOLD	L18	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SILVER	SO1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	12	423	-97.2%	0	0	0.0%
SILVER	SO2	0	0	0.0%	0	2	-1	0	0	0.0%	0	10	-100.0%	1	88	-98.9%	0	0	0.0%
SILVER	SO3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	5	191	-97.4%	0	0	0.0%
SILVER	SO4	0	0	0.0%	1	0	0	0	0	0.0%	0	0	0.0%	9	130	-93.1%	0	0	0.0%
SILVER	SO5	0	0	0.0%	1	0	0	0	0	0.0%	0	0	0.0%	6	197	-97.0%	0	0	0.0%
<b>TOTAL FUTURES GROUP</b>																			
Commodities and Alternative Investments Future		0	0	0.0%	262	358	-26.8%	0	0	0.0%	0	0	0.0%	1,478	1,421	4.0%	0	0	0.0%
Energy Futures		2,386	19,634	-87.8%	40,420,088	30,755,725	31.4%	4,881,700	2,906,280	68.0%	16,786	108,524	-84.5%	157,367,589	130,869,444	20.2%	20,723,480	13,877,373	49.3%
Metals Futures		8,398	120,388	-93.0%	8,046,979	6,079,287	32.4%	188,191	103,798	81.3%	53,379	384,155	-86.1%	31,463,643	25,148,783	25.1%	774,954	501,561	54.5%
<b>TOTAL FUTURES</b>		<b>10,784</b>	<b>140,022</b>	<b>-92.3%</b>	<b>48,467,329</b>	<b>36,835,370</b>	<b>31.6%</b>	<b>5,069,891</b>	<b>3,010,078</b>	<b>68.4%</b>	<b>70,165</b>	<b>492,679</b>	<b>-85.8%</b>	<b>188,832,710</b>	<b>156,019,648</b>	<b>21.0%</b>	<b>21,498,434</b>	<b>14,378,934</b>	<b>49.5%</b>

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 2015	% CHG	CME ClearPort APR 2016	CME ClearPort APR 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG	CME ClearPort Y.T.D 2016	CME ClearPort Y.T.D 2015	% CHG
<b>TOTAL OPTIONS GROUP</b>																		
Energy Options	40,948	168,008	-75.6%	3,648,075	2,465,052	48.0%	2,442,676	2,655,042	-8.0%	178,655	819,995	-78.2%	14,124,459	10,111,456	39.7%	12,874,001	12,591,488	2.2%
Metals Options	51,814	97,775	-47.0%	656,948	474,280	38.5%	137,050	142,438	-3.8%	369,337	415,069	-11.0%	2,962,726	1,949,642	52.0%	714,356	702,388	1.7%
<b>TOTAL OPTIONS</b>	<b>92,762</b>	<b>265,783</b>	<b>-65.1%</b>	<b>4,305,023</b>	<b>2,939,332</b>	<b>46.5%</b>	<b>2,579,726</b>	<b>2,797,480</b>	<b>-7.8%</b>	<b>547,992</b>	<b>1,235,064</b>	<b>-55.6%</b>	<b>17,087,185</b>	<b>12,061,098</b>	<b>41.7%</b>	<b>13,588,357</b>	<b>13,293,876</b>	<b>2.2%</b>
<b>TOTAL COMBINED</b>																		
Commodities and Alternative Investments	0	0	0.0%	262	358	-26.8%	0	0	0.0%	0	0	0.0%	1,478	1,421	4.0%	0	0	0.0%
Energy	43,334	187,642	-76.9%	44,068,163	33,220,777	32.7%	7,324,376	5,561,322	31.7%	195,441	928,519	-79.0%	171,492,048	140,980,900	21.6%	33,597,481	26,468,861	26.9%
Metals	60,212	218,163	-72.4%	8,703,927	6,553,567	32.8%	325,241	246,236	32.1%	422,716	799,224	-47.1%	34,426,369	27,098,425	27.0%	1,489,310	1,203,949	23.7%
<b>GRAND TOTAL</b>	<b>103,546</b>	<b>405,805</b>	<b>-74.5%</b>	<b>52,772,352</b>	<b>39,774,702</b>	<b>32.7%</b>	<b>7,649,617</b>	<b>5,807,558</b>	<b>31.7%</b>	<b>618,157</b>	<b>1,727,743</b>	<b>-64.2%</b>	<b>205,919,895</b>	<b>168,080,746</b>	<b>22.5%</b>	<b>35,086,791</b>	<b>27,672,810</b>	<b>26.8%</b>