

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

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Ag Products Futures</b>																			
COCOA TAS	CJ	0	0	0.0%	5	3	0.67	0	0	0.0%	0	0	0.0%	5	53	-90.6%	0	0	0.0%
COFFEE	KT	0	0	0.0%	0	20	-1	0	0	0.0%	0	0	0.0%	0	20	-100.0%	0	0	0.0%
COTTON	TT	0	0	0.0%	0	1	-1	0	0	0.0%	0	0	0.0%	2	4	-50.0%	0	0	0.0%
SUGAR 11	YO	0	0	0.0%	58	0	0	0	0	0.0%	0	0	0.0%	58	18	222.2%	0	0	0.0%
<b>Energy Futures</b>																			
CRUDE OIL PHY	CL	0	0	0.0%	27,549,926	20,732,464	0.33	427,187	492,928	-13.3%	0	0	0.0%	106,326,542	88,404,403	20.3%	1,941,577	2,192,293	-11.4%
CRUDE OIL	WS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	89	200	-55.5%	4,250	27,723	-84.7%
MINY WTI CRUDE OIL	QM	0	0	0.0%	353,922	190,045	0.86	0	0	0.0%	0	0	0.0%	1,187,255	915,347	29.7%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	1,926,080	1,813,407	0.06	42,344	26,352	60.7%	0	0	0.0%	6,689,842	7,703,885	-13.2%	164,880	90,674	81.8%
HEATING OIL PHY	HO	0	0	0.0%	3,888,124	2,868,583	0.36	178,208	223,155	-20.1%	0	0	0.0%	15,347,066	12,244,380	25.3%	803,896	999,999	-19.6%
HTG OIL	BH	0	0	0.0%	0	0	0	48	48	0.0%	0	0	0.0%	0	0	0.0%	48	48	0.0%
MINY HTG OIL	QH	0	0	0.0%	3	1	2	0	0	0.0%	0	0	0.0%	13	11	18.2%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	3,861,657	3,419,759	0.13	205,700	301,870	-31.9%	0	0	0.0%	15,274,854	15,149,316	0.8%	890,939	1,134,804	-21.5%
MINY RBOB GAS	QU	0	0	0.0%	3	3	0	0	0	0.0%	0	0	0.0%	12	20	-40.0%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	45,335	30,910	0.47	51,597	96,860	-46.7%	0	0	0.0%	266,702	116,410	129.1%	324,200	484,470	-33.1%
LTD NAT GAS	HH	0	0	0.0%	156,924	74,213	1.11	106,882	155,701	-31.4%	0	0	0.0%	932,269	416,520	123.8%	564,859	740,443	-23.7%
MINY NATURAL GAS	QG	0	0	0.0%	17,849	20,689	-0.14	0	0	0.0%	0	0	0.0%	132,954	125,238	6.2%	24	0	0.0%
PJM MONTHLY	JM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	120	-100.0%
NATURAL GAS PHY	NG	0	0	0.0%	8,153,778	7,658,386	0.06	255,425	252,800	1.0%	0	0	0.0%	37,069,408	33,315,665	11.3%	1,270,052	1,227,469	3.5%
RBOB GAS	RT	0	0	0.0%	0	0	0	2,128	1,598	33.2%	0	0	0.0%	0	0	0.0%	13,328	6,658	100.2%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	48	0	0.0%	0	0	0.0%	0	0	0.0%	397	847	-53.1%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	0	0	0	90	50	80.0%	0	0	0.0%	0	0	0.0%	90	170	-47.1%
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	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ALGONQUIN CITYGATES BASIS	B4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
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	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
APPALACHIAN COAL (PHY)	QL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	0	0	0.0%	-	0	0.0%

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<b>Energy Futures</b>																			
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	0	0	0	20,000	7,270	175.1%	0	0	0.0%	30	0	0.0%	109,385	29,415	271.9%
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	7,863	1,108	609.7%	0	0	0.0%	0	0	0.0%	28,003	5,470	411.9%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	3,575	855	318.1%	0	0	0.0%	0	0	0.0%	11,554	4,217	174.0%
AUSTRIALIAN COKE COAL	ACT	0	-	-	0	-	-	0	-	-	0	-	0	-	-	-	0	-	-
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0	0	0	97	-100.0%	0	0	0.0%	0	0	0.0%	0	916	-100.0%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0	0	0	113	-100.0%	0	0	0.0%	0	0	0.0%	50	138	-63.8%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	4,548	1,018	346.8%	0	0	0.0%	0	0	0.0%	7,550	11,567	-34.7%
BRENT CFD SWAP	6W	0	-	-	0	-	-	0	-	-	0	-	0	-	-	-	300	-	-
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	0	74	-100.0%	0	0	0.0%	0	0	0.0%	10,500	11,356	-7.5%
BRENT FINANCIAL FUTURES	MBC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	144	0	0.0%	0	0	0.0%	0	0	0.0%	144	0	0.0%
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	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	7,940	-100.0%
CAISO SP15 EZGNHUB5 PEAK	9Z	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	0	294	-100.0%	0	0	0.0%	0	0	0.0%	0	2,559	-100.0%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	36	534	-93.3%
CENTERPOINT EAST INDEX	II	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CEU ENERGY	DEB	0	-	-	204	-	-	0	-	-	0	-	2,076	-	-	-	0	-	-
CEU ENERGY	TTF	0	-	-	1,015	-	-	0	-	-	0	-	3,410	-	-	-	10	-	-
CEU ENERGY	UKG	0	-	-	5,215	-	-	0	-	-	0	-	14,930	-	-	-	0	-	-
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	246	165	0.49	105,721	107,761	-1.9%	0	0	0.0%	1,006	1,082	-7.0%	435,956	496,681	-12.2%
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	78	101	-22.8%	0	0	0.0%	0	0	0.0%	1,152	782	47.3%
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%	525	0	0.0%
CIG BASIS	CI	0	0	0.0%	0	0	0	56	0	0.0%	0	0	0.0%	0	0	0.0%	196	186	5.4%
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%	0	720	-100.0%
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	0	0.0%
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	45,440	-100.0%	0	0	0.0%	0	0	0.0%	0	182,680	-100.0%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	0	0	1,100	4,440	-75.2%	0	0	0.0%	0	0	0.0%	4,604	10,105	-54.4%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	0	91,160	-100.0%	0	0	0.0%	0	0	0.0%	0	226,200	-100.0%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0	0	0	5,500	-100.0%	0	0	0.0%	0	0	0.0%	0	20,000	-100.0%
COAL SWAP	ACM	0	0	0.0%	0	0	0	35	245	-85.7%	0	0	0.0%	0	0	0.0%	185	910	-79.7%



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<b>Energy Futures</b>																			
COAL SWAP	SSI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
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	0.0%	
COLUMBIA GULF MAIN NAT G	L2	-	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	0.0%	
CONWAY NATURAL GASOLINE	8L	0	0	0.0%	0	0	48	203	-76.4%	0	0	0.0%	0	0	0.0%	548	1,054	-48.0%	
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	150	840	-82.1%	0	0	0.0%	0	0	0.0%	340	3,269	-89.6%	
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	0	0	15,943	6,317	152.4%	0	0	0.0%	6	19	-68.4%	62,570	32,675	91.5%	
CRUDE OIL	CHB	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
CRUDE OIL	LPS	0	0	0.0%	0	0	4,530	3,350	35.2%	0	0	0.0%	0	0	0.0%	19,455	14,270	36.3%	
CRUDE OIL OUTRIGHTS	37	-	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	367	3,007	-87.8%	0	0	0.0%	0	0	0.0%	906	3,532	-74.3%	
CRUDE OIL OUTRIGHTS	CC5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	150	-100.0%	
CRUDE OIL OUTRIGHTS	CPD	0	-	-	0	-	100	-	-	0	-	-	0	-	-	2,956	-	-	
CRUDE OIL OUTRIGHTS	CSN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%	
CRUDE OIL OUTRIGHTS	CSW	0	0	0.0%	0	0	0	375	-100.0%	0	0	0.0%	0	0	0.0%	5	880	-99.4%	
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0	16	100	-84.0%	0	0	0.0%	0	0	0.0%	40	600	-93.3%	
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%	
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	105	110	-4.5%	
CRUDE OIL OUTRIGHTS	HTT	0	0	0.0%	0	0	41,900	11,775	255.8%	0	0	0.0%	0	0	0.0%	193,664	36,646	428.5%	
CRUDE OIL OUTRIGHTS	LSW	0	0	0.0%	0	0	60	30	100.0%	0	0	0.0%	0	0	0.0%	290	30	866.7%	
CRUDE OIL OUTRIGHTS	SSW	0	0	0.0%	0	0	0	105	-100.0%	0	0	0.0%	0	0	0.0%	0	120	-100.0%	
CRUDE OIL OUTRIGHTS	UMD	0	-	-	0	-	700	-	-	0	-	-	0	-	-	4,700	-	-	
CRUDE OIL OUTRIGHTS	UNS	0	-	-	0	-	500	-	-	0	-	-	0	-	-	6,054	-	-	
CRUDE OIL OUTRIGHTS	WCC	0	0	0.0%	0	0	0	2,625	-100.0%	0	0	0.0%	0	0	0.0%	0	23,547	-100.0%	
CRUDE OIL OUTRIGHTS	WCW	0	0	0.0%	0	0	10,209	3,725	174.1%	0	0	0.0%	0	0	0.0%	42,061	3,845	993.9%	
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%	1,155	0	0.0%	
CRUDE OIL SPRDS	WTT	0	0	0.0%	0	0	42,804	8,784	387.3%	0	0	0.0%	0	0	0.0%	221,374	25,054	783.6%	
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	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%	
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%	
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%	

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<b>Energy Futures</b>																			
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%	
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%	
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	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	600	335	79.1%	0	0	0.0%	0	0	0.0%	2,660	4,145	-35.8%	
DEMARC INDEX FUTURE	DI	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
DEMARC SWING SWAP	DT	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
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%	5	0	0.0%	
DIESEL 10PPM BARGES FOB B	U7	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
DLY GAS EURO-BOB OXY	GBR	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
DOMINION TRAN INC - APP I	IH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
DOMINION TRANSMISSION INC	PG	0	0	0.0%	0	0	0	3,171	-100.0%	0	0	0.0%	0	0	0.0%	0	38,996	-100.0%	
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	125	0	0.0%	
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0	1,184	4,000	-70.4%	0	0	0.0%	0	0	0.0%	8,944	29,204	-69.4%	
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	-100.0%	
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0	30	200	-85.0%	0	0	0.0%	0	0	0.0%	150	3,214	-95.3%	
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	20	244	-91.8%	0	0	0.0%	0	0	0.0%	157	1,140	-86.2%	
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	226	501	-54.9%	0	0	0.0%	0	0	0.0%	666	3,183	-79.1%	
ELEC ERCOT DLY OFF PK	R4	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ELEC ERCOT DLY PEAK	I3	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%	
ELEC ERCOT DLY PEAK	N1	-	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%	
ELEC ERCOT OFF PEAK	I2	0	-	-	0	-	19,600	-	-	0	-	-	0	-	-	19,600	-	-	
ELEC FINSETTLED	47	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ELEC FINSETTLED	49	0	0	0.0%	0	0	0	0	0.0%	0	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%	
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%	
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%	

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

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Energy Futures</b>																			
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%	
ELECTRICITY ERCOT PEAK	ERE	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	0.0%	
ELECTRICITY OFF PEAK	4P	-	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%	
ELEC WEST POWER OFF-PEAK	MDA	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 PEAK	MDC	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,540	-100.0%	
EL PASO PERMIAN INDEX SWA	IL	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ERCOT DAILY 5MW PEAK	ERW	0	-	0	-		0	-	-	0	-	-	0	-	-	0	-	-	
ERCOT HOUSTON Z MCPE 5M	I1	0	-	0	-		0	-	-	0	-	-	0	-	-	1,510	-	-	
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 OF	I6	0	0.0%	0	0	0	19,600	0	0.0%	0	0	0.0%	0	0	0.0%	19,600	0	0.0%	
ERCOT NORTH ZMCPE 5MW PE	I5	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,610	830	455.4%	
ETHANOL SWAP	MT2	0	-	0	-		20	-	-	0	-	-	0	-	-	30	-	-	
ETHANOL T2 FOB ROTT INCL D	Z1	0	0.0%	0	0	0	3,404	3,555	-4.2%	0	0	0.0%	0	0	0.0%	12,531	14,860	-15.7%	
EURO 1% FUEL OIL NEW BALM	KX	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	5	10	-50.0%	
EURO 3.5% FUEL OIL RDAM B	KR	0	0.0%	0	0	0	724	355	103.9%	0	0	0.0%	0	0	0.0%	2,430	2,281	6.5%	
EURO 3.5% FUEL OIL SPREAD	FK	0	0.0%	0	0	0	191	220	-13.2%	0	0	0.0%	0	0	0.0%	482	1,864	-74.1%	
EURO-DENOMINATED PETRO P	NCP	0	0.0%	0	0	0	0	440	-100.0%	0	0	0.0%	0	0	0.0%	0	1,340	-100.0%	
EURO GASOIL 10 CAL SWAP	GT	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
EURO GASOIL 10PPM VS ICE	ET	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	355	198	79.3%	
EUROPE 1% FUEL OIL NWE CA	UF	0	0.0%	0	0	0	45	145	-69.0%	0	0	0.0%	0	0	0.0%	303	545	-44.4%	
EUROPE 1% FUEL OIL RDAM C	UH	0	0.0%	0	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	0	16	-100.0%	
EUROPE 3.5% FUEL OIL MED	UI	0	0.0%	0	0	0	111	60	85.0%	0	0	0.0%	0	0	0.0%	610	1,094	-44.2%	
EUROPE 3.5% FUEL OIL RDAM	UV	0	0.0%	0	0	0	11,803	6,271	88.2%	0	0	0.0%	0	0	0.0%	32,694	38,781	-15.7%	
EUROPEAN GASOIL (ICE)	7F	0	0.0%	728	2,095	-0.65	0	0	0.0%	0	0	0.0%	1,662	11,099	-85.0%	0	0	0.0%	
EUROPEAN NAPHTHA BALMO	KZ	0	0.0%	0	0	0	203	389	-47.8%	0	0	0.0%	0	0	0.0%	1,099	1,534	-28.4%	
EUROPEAN NAPHTHA CRACK SF	EN	0	0.0%	0	0	0	8,422	5,224	61.2%	0	0	0.0%	0	0	0.0%	37,345	28,955	29.0%	
EUROPE DATED BRENT SWAP	UB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	416	-100.0%	
EUROPE JET KERO NWE CALS	UJ	0	0.0%	0	0	0	0	12	-100.0%	0	0	0.0%	0	0	0.0%	15	48	-68.8%	
EUROPE NAPHTHA CALSWAP	UN	0	0.0%	0	0	0	2,392	2,615	-8.5%	0	0	0.0%	0	0	0.0%	13,660	10,924	25.0%	
EURO PROPANE CIF ARA SWA	PS	0	0.0%	0	0	0	1,649	906	82.0%	0	0	0.0%	0	0	0.0%	8,389	4,835	73.5%	
FL GAS ZONE 3 NAT GAS IND	Q9	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
FLORIDA GAS ZONE3 BASIS S	FP	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 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Energy Futures</b>																			
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	0	44	60	-26.7%	0	0	0.0%	0	0	0.0%	492	345	42.6%
FREIGHT MARKETS	FRC	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	185	-	-
FREIGHT MARKETS	FRS	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
FREIGHT MARKETS	T2D	0	-	-	0	-	540	-	-	-	0	-	0	-	-	0	1,028	-	-
FREIGHT MARKETS	TC6	0	-	-	0	-	0	-	-	-	0	-	0	-	-	0	240	-	-
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	0	3,932	2,781	41.4%	0	0	0.0%	0	0	0.0%	18,514	15,149	22.2%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0	0	15	0	0.0%	0	0	0.0%	0	0	0.0%	171	0	0.0%
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	154	0	0.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0	0	27	0	0.0%	0	0	0.0%	0	0	0.0%	72	0	0.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	0	251	167	50.3%	0	0	0.0%	0	0	0.0%	1,225	1,135	7.9%
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	5,819	7,766	-25.1%	0	0	0.0%	0	0	0.0%	29,289	31,384	-6.7%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	23,151	16,439	40.8%	0	0	0.0%	0	0	0.0%	93,111	82,580	12.8%
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%
GASOIL 0.1 CIF MED SWAP	Z4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	50	-80.0%
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%	0	20	-100.0%
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%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	5	120	-95.8%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	320	5	6,300.0%	0	0	0.0%	0	0	0.0%	365	45	711.1%
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	0	0.0%
GASOIL 10PPM CARGOES CIF	TY	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	12	460	-97.4%
GASOIL BULLET SWAP	BG	0	0	0.0%	0	0	0	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	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	12	33	-63.6%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	1,495	8,585	-82.6%	0	0	0.0%	0	0	0.0%	24,012	32,668	-26.5%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	0	110	78	41.0%	0	0	0.0%	0	0	0.0%	536	655	-18.2%
GASOLINE UP-DOWN BALMO S	1K	-	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%	115	0	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	0	3,974	5,111	-22.2%	0	0	0.0%	0	0	0.0%	16,294	11,506	41.6%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	0	2,950	815	262.0%	0	0	0.0%	0	0	0.0%	8,938	2,554	250.0%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	947	1,246	-24.0%	0	0	0.0%	0	0	0.0%	5,496	4,735	16.1%
GULF COAST GASOLINE CLND	GS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	336	208	61.5%	0	0	0.0%	0	0	0.0%	633	456	38.8%

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

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<b>Energy Futures</b>																			
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	31,814	26,486	20.1%	0	0	0.0%	0	0	0.0%	188,133	175,712	7.1%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	60,240	53,106	13.4%	0	0	0.0%	0	0	0.0%	241,036	247,144	-2.5%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	3,665	1,555	135.7%	0	0	0.0%	0	0	0.0%	8,483	6,969	21.7%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	200	543	-63.2%	0	0	0.0%	0	0	0.0%	754	1,573	-52.1%
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	1,295	1,000	29.5%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	0	195	-100.0%	0	0	0.0%	0	0	0.0%	56	370	-84.9%
HEATING OIL CRCK SPRD BAL	1H	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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	0.0%
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	0	0	1,240	10,231	-87.9%	0	0	0.0%	0	2,996	-100.0%	6,192	32,338	-80.9%
HENRY HUB FINANCIAL LAST	NBP	0	-	-	1,222	-	0	-	-	0	-	-	5,290	-	-	0	-	-	
HENRY HUB FINANCIAL LAST	TTE	0	-	-	26	-	0	-	-	0	-	-	621	-	-	0	-	-	
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	1,240	10,231	-87.9%	0	0	0.0%	0	2,996	-100.0%	6,192	30,760	-79.9%
HENRY HUB SWAP	NN	0	0	0.0%	122	6,606	-0.98	130,931	162,467	-19.4%	0	0	0.0%	13,914	44,204	-68.5%	632,528	584,007	8.3%
HENRY HUB SWING FUTURE	SN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	0	0	0.0%	-	0	0.0%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0	0	0	969	-100.0%	0	0	0.0%	0	0	0.0%	0	969	-100.0%
HOUSTON SHIP CHANNEL INDE	IP	-	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	13,243	17,660	-25.0%	0	0	0.0%	0	0	0.0%	43,017	42,093	2.2%
ICE GASOIL BALMO SWAP	U9	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0	0	0	2,850	-100.0%	0	0	0.0%	0	0	0.0%	0	2,850	-100.0%
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	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	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PDM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	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%
INDONESIAN COAL	MCC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
INDONESIAN COAL IC14	ICI	0	-	-	0	-	115	-	-	0	-	-	0	-	-	235	-	-	
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%	0	10	-100.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	918	403	127.8%	0	0	0.0%	0	0	0.0%	1,608	1,805	-10.9%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	1,984	3,053	-35.0%	0	0	0.0%	0	0	0.0%	7,917	6,937	14.1%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	37	652	-94.3%	0	0	0.0%	0	0	0.0%	140	779	-82.0%

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

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Energy Futures</b>																			
JET AV FUEL (P) CAR FM ICE G	1V	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	0	0.0%	
JET BARGES VS ICE GASOIL	JR	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	74	90	-17.8%	0	0	0.0%	0	0	0.0%	474	380	24.7%	
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%	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%	0	10	-100.0%	
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	4,460	6,478	-31.2%	0	0	0.0%	0	0	0.0%	30,244	30,067	0.6%	
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	325	150	116.7%	0	0	0.0%	0	0	0.0%	1,000	685	46.0%	
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	1,450	50	2,800.0%	0	0	0.0%	0	0	0.0%	3,275	700	367.9%	
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%	
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	2,635	650	305.4%	0	0	0.0%	0	0	0.0%	9,535	6,960	37.0%	
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	6,085	5,690	6.9%	0	0	0.0%	0	0	0.0%	19,222	21,175	-9.2%	
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	3,530	3,030	16.5%	0	0	0.0%	0	0	0.0%	14,545	14,161	2.7%	
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	0	19,630	15,725	24.8%	0	0	0.0%	0	0	0.0%	114,636	96,002	19.4%	
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	350	4,581	-92.4%	0	0	0.0%	0	0	0.0%	1,519	9,765	-84.4%	
MCCLOSKEY ARA ARGV COAL	MTF	0	0	0.0%	111	0	22,736	38,311	-40.7%	0	0	0.0%	369	0	0.0%	106,371	212,638	-50.0%	
MCCLOSKEY RCH BAY COAL	MFF	0	0	0.0%	0	0	2,374	5,319	-55.4%	0	0	0.0%	0	0	0.0%	14,020	25,677	-45.4%	
MGF FUT	MGF	0	0	0.0%	0	0	50	35	42.9%	0	0	0.0%	0	0	0.0%	130	197	-34.0%	
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	30	90	-66.7%	0	0	0.0%	0	0	0.0%	383	542	-29.3%	
MICHCON NG INDEX SWAP	Y8	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
MICHIGAN BASIS	NF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,592	-100.0%	
MICHIGAN MISO	HMO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	59,040	-100.0%	
MICHIGAN MISO	HMW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,195	-100.0%	
MINI GAS EUROBOB OXY NWE	MEB	0	0	0.0%	0	0	502	509	-1.4%	0	0	0.0%	0	0	0.0%	1,389	1,645	-15.6%	
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	862	236	265.3%	0	0	0.0%	0	0	0.0%	1,053	1,182	-10.9%	
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	2,021	3,289	-38.6%	0	0	0.0%	0	0	0.0%	6,217	9,798	-36.5%	
MJC FUT	MJC	0	0	0.0%	0	0	190	0	0.0%	0	0	0.0%	0	0	0.0%	970	260	273.1%	
MNC FUT	MNC	0	0	0.0%	0	0	3,441	4,538	-24.2%	0	0	0.0%	0	0	0.0%	14,487	18,139	-20.1%	
MONT BELVIEU ETHANE 5 DECI	CO	0	0	0.0%	0	0	11,593	18,279	-36.6%	0	0	0.0%	0	0	0.0%	61,389	132,967	-53.8%	
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	90	200	-55.0%	0	0	0.0%	0	0	0.0%	655	1,925	-66.0%	
MONT BELVIEU LDH PROPANE	BO	0	0	0.0%	4	37	-0.89	138,290	64,110	115.7%	0	0	0.0%	30	100	-70.0%	537,251	378,361	42.0%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	2,275	1,366	66.5%	0	0	0.0%	0	0	0.0%	14,044	9,076	54.7%	
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	9,135	2,554	257.7%	0	0	0.0%	0	0	0.0%	38,684	18,833	105.4%	
MONT BELVIEU NATURAL GAS	RO	0	0	0.0%	0	0	228	155	47.1%	0	0	0.0%	0	0	0.0%	1,773	1,371	29.3%	

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

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Energy Futures</b>																			
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	42,033	29,639	41.8%	0	0	0.0%	0	0	0.0%	117,520	123,959	-5.2%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	780	405	92.6%	0	0	0.0%	0	0	0.0%	3,819	4,202	-9.1%
NAT GAS BASIS SWAP	TZ6	0	0	0.0%	0	0	0	0	453	-100.0%	0	0	0.0%	0	0	0.0%	0	1,737	-100.0%
NATURAL GAS	HBI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS	XIC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	44	-100.0%
NATURAL GAS FIXED PRICE S	CFS	-	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	0.0%
NATURAL GAS FIXED PRICE S	MFS	-	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%
NATURAL GAS FIXED PRICE S	WFS	-	0	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%
NATURAL GAS INDEX	TZI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	656	-100.0%
NATURAL GAS PEN SWP	NP	0	0	0.0%	0	0	0	30,813	61,205	-49.7%	0	0	0.0%	0	51	-100.0%	161,690	419,774	-61.5%
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%	0	0	0.0%
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%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	0	0	0	0	64,300	-100.0%	0	0	0.0%	0	0	0.0%	61,920	221,100	-72.0%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0	0	0	3,480	-100.0%	0	0	0.0%	0	0	0.0%	3,415	10,400	-67.2%
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	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL NEW HAMP 5MW D AH	U2	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	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%
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	0.0%
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	0.0%
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%
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%
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%	0	0	0.0%
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%	0	0	0.0%
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	0.0%
NEW YORK ETHANOL SWAP	EZ	0	0	0.0%	0	0	0	1,515	530	185.8%	0	0	0.0%	0	0	0.0%	7,461	2,405	210.2%
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	0.0%
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	0.0%
NGPL MID-CONTINENT	NL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	400	744	-46.2%
NGPL MIDCONTINENT INDEX	IW	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NGPL MIDCONTINENT SWING S	PX	-	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 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Energy Futures</b>																			
NGPL TEX/OK	PD	0	0	0.0%	0	0	0	15,120	0	0.0%	0	0	0.0%	0	0	0.0%	22,836	800	2,754.5%
NGPL TEXOK INDEX	OI	-	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	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	0.0%
NO 2 UP-DOWN SPREAD CALE	UT	0	0	0.0%	0	0	0	300	425	-29.4%	0	0	0.0%	0	0	0.0%	1,535	2,635	-41.7%
NORTHEN NATURAL GAS DEM	PE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS VENT	PF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	0	0.0%
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	0	368	-100.0%	0	0	0.0%	0	0	0.0%	0	614	-100.0%
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	841	2,042	-58.8%	0	0	0.0%	0	0	0.0%	7,101	10,930	-35.0%
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	0	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	0	0	0.0%	0	0	0	200	800	-75.0%	0	0	0.0%	0	0	0.0%	975	2,260	-56.9%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	25	0	0	1,496	3,254	-54.0%	0	0	0.0%	40	3	1,233.3%	5,905	10,050	-41.2%
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	100	345	-71.0%	0	0	0.0%	0	0	0.0%	2,475	2,173	13.9%
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	619	2,769	-77.6%	0	0	0.0%	0	0	0.0%	4,536	13,680	-66.8%
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	1,905	1,374	38.6%	0	0	0.0%	0	0	0.0%	5,177	7,355	-29.6%
NY H OIL PLATTS VS NYMEX	YH	-	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	0	0	0	12	-100.0%	0	0	0.0%	0	0	0.0%	144	207	-30.4%
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	136	84	61.9%	0	0	0.0%	0	0	0.0%	306	1,380	-77.8%
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	0	75	-100.0%	0	0	0.0%	0	0	0.0%	108	760	-85.8%
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	0	0.0%
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	0	0.0%
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	9,360	-100.0%
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6,705	-100.0%
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	46,080	46,800	-1.5%	0	0	0.0%	0	0	0.0%	392,350	259,200	51.4%
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	0	2,115	2,990	-29.3%	0	0	0.0%	0	0	0.0%	5,510	24,550	-77.6%

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 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Energy Futures</b>																			
NYISO ZONE J 5MW D AH O P	D4	0	0	0.0%	0	0	0	0	23,400	-100.0%	0	0	0.0%	0	0	0.0%	0	133,000	-100.0%
NYISO ZONE J 5MW D AH PK	D3	0	0	0.0%	0	0	0	0	1,705	-100.0%	0	0	0.0%	0	0	0.0%	0	9,345	-100.0%
NY JET FUEL (PLATTS) HEAT OI	1U	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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	0	0.0%
NY ULSD (ARGUS) VS HEATING	7Y	0	0	0.0%	0	0	0	0	275	-100.0%	0	0	0.0%	0	0	0.0%	0	7,047	-100.0%
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	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%	0	0	0.0%
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	140	-92.9%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0	0	0	330	-100.0%	0	0	0.0%	0	0	0.0%	0	540	-100.0%
PANHANDLE BASIS SWAP FUT	PH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	275	48	472.9%
PANHANDLE INDEX SWAP FUT	IV	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	864	-100.0%
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0	0	0	214	-100.0%	0	0	0.0%	0	0	0.0%	0	214	-100.0%
PETROCHEMICALS	22	0	0	0.0%	0	0	0	242	64	278.1%	0	0	0.0%	0	0	0.0%	652	306	113.1%
PETROCHEMICALS	32	0	0	0.0%	0	0	0	281	90	212.2%	0	0	0.0%	0	0	0.0%	850	504	68.7%
PETROCHEMICALS	51	0	-	-	0	-	0	20	-	-	0	-	-	0	-	-	23	-	-
PETROCHEMICALS	8I	0	0	0.0%	0	0	0	1,144	156	633.3%	0	0	0.0%	0	0	0.0%	3,559	2,823	26.1%
PETROCHEMICALS	91	0	0	0.0%	0	0	0	453	165	174.5%	0	0	0.0%	0	0	0.0%	2,274	949	139.6%
PETROCHEMICALS	HPE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	JKM	0	-	-	0	-	0	2,000	-	-	0	-	-	0	-	-	3,445	-	-
PETROCHEMICALS	LPE	-	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%	0	50	-100.0%
PETROCHEMICALS	MAE	0	0	0.0%	0	0	0	240	0	0.0%	0	0	0.0%	0	0	0.0%	770	10	7,600.0%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	0	90	20	350.0%	0	0	0.0%	0	0	0.0%	450	115	291.3%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	0	540	440	22.7%	0	0	0.0%	0	0	0.0%	3,550	4,035	-12.0%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	3,014	1,093	175.8%	0	0	0.0%	0	0	0.0%	8,777	3,602	143.7%
PETROCHEMICALS	MPS	0	-	-	0	-	0	115	-	-	0	-	-	0	-	-	345	-	-
PETRO CRCKS & SPRDS ASIA	JNC	0	-	-	0	-	0	0	-	-	0	-	-	0	-	-	0	-	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	105	-100.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	100	264	-62.1%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	409	0	0.0%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	280	0	0.0%	0	0	0.0%	0	0	0.0%	1,045	610	71.3%

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

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<b>Energy Futures</b>																			
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	2,542	1,775	43.2%	0	0	0.0%	0	0	0.0%	11,467	11,758	-2.5%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	2,100	1,125	86.7%	0	0	0.0%	0	0	0.0%	4,500	3,490	28.9%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	670	815	-17.8%	0	0	0.0%	0	0	0.0%	2,845	3,205	-11.2%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	150	350	-57.1%	0	0	0.0%	0	0	0.0%	950	675	40.7%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	660	984	-32.9%	0	0	0.0%	0	0	0.0%	5,893	5,495	7.2%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	121	0	0.0%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	21,025	5,924	254.9%	0	0	0.0%	0	0	0.0%	50,442	29,088	73.4%
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	485	-100.0%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	475	4,561	-89.6%	0	0	0.0%	0	0	0.0%	5,786	10,762	-46.2%
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	75	-100.0%
PETRO CRCKS & SPRDS NA	MFR	-	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	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	86	-41.9%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	0	600	-100.0%
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	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	0	0	0.0%	0	0	0	4,921	6,815	-27.8%	0	0	0.0%	0	0	0.0%	18,231	36,210	-49.7%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	17,922	19,560	-8.4%	0	0	0.0%	0	0	0.0%	69,101	66,571	3.8%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	33	0	0.0%	0	0	0.0%	0	0	0.0%	234	6	3,800.0%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	2,177	847	157.0%	0	0	0.0%	0	0	0.0%	8,539	5,851	45.9%
PETRO CRK&SPRD EURO	1ND	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	100	-	-
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	680	296	129.7%	0	0	0.0%	0	0	0.0%	1,818	906	100.7%
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	2,712	2,021	34.2%	0	0	0.0%	0	0	0.0%	7,787	9,551	-18.5%
PETRO CRK&SPRD EURO	EGB	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
PETRO CRK&SPRD EURO	EGN	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	108	68	58.8%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	765	282	171.3%	0	0	0.0%	0	0	0.0%	4,170	1,530	172.5%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	1,680	2,292	-26.7%	0	0	0.0%	0	0	0.0%	7,826	12,882	-39.2%
PETRO CRK&SPRD EURO	FBT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	0	0.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	375	400	-6.3%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	84	35	140.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	80	70	14.3%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	0	160	-100.0%	0	0	0.0%	0	0	0.0%	123	646	-81.0%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	66	26	153.8%	0	0	0.0%	0	0	0.0%	96	64	50.0%

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

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Energy Futures</b>																			
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	0	1,652	1,170	41.2%	0	0	0.0%	0	0	0.0%	7,073	4,498	57.2%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	30	25	20.0%	0	0	0.0%	0	0	0.0%	30	155	-80.6%
PETROLEUM PRODUCTS	D46	-	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	3,190	3,058	4.3%	0	0	0.0%	0	0	0.0%	22,199	13,097	69.5%
PETROLEUM PRODUCTS	MBS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	80	-100.0%
PETROLEUM PRODUCTS	MGS	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	-	-	-
PETROLEUM PRODUCTS	MHE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	MME	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	-	-	-
PETROLEUM PRODUCTS	MPE	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	VU	0	0	0.0%	0	0	0	603	200	201.5%	0	0	0.0%	0	0	0.0%	603	704	-14.3%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	30	47	-36.2%	0	0	0.0%	0	0	0.0%	374	62	503.2%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	0	2,697	2,044	31.9%	0	0	0.0%	0	0	0.0%	9,482	7,436	27.5%
PETROLEUM PRODUCTS ASIA	MSB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	43	16.3%
PETRO OUTRIGHT EURO	0C	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	0D	0	0	0.0%	0	0	0	1,859	1,787	4.0%	0	0	0.0%	0	0	0.0%	4,833	10,642	-54.6%
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	0	109	551	-80.2%	0	0	0.0%	0	0	0.0%	119	2,618	-95.5%
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	0	663	1,720	-61.5%	0	0	0.0%	0	0	0.0%	2,435	5,763	-57.7%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	12	-100.0%	0	0	0.0%	0	0	0.0%	15	48	-68.8%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	80	-100.0%
PETRO OUTRIGHT EURO	5L	0	0	0.0%	0	0	0	46	30	53.3%	0	0	0.0%	0	0	0.0%	89	334	-73.4%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	70	105	-33.3%	0	0	0.0%	0	0	0.0%	107	462	-76.8%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2	-100.0%
PETRO OUTRIGHT EURO	7I	0	0	0.0%	0	0	0	365	50	630.0%	0	0	0.0%	0	0	0.0%	429	409	4.9%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	0	252	119	111.8%	0	0	0.0%	0	0	0.0%	1,230	837	47.0%
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0	0	45	0	0.0%	0	0	0.0%	0	0	0.0%	95	0	0.0%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	55	42	31.0%
PETRO OUTRIGHT EURO	CGB	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	CPB	0	0	0.0%	0	0	0	352	75	369.3%	0	0	0.0%	0	0	0.0%	2,487	1,693	46.9%
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	0	0	93	50	86.0%	0	0	0.0%	0	0	0.0%	93	270	-65.6%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	0	166	-100.0%	0	0	0.0%	0	0	0.0%	0	296	-100.0%
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	55	60	-8.3%
PETRO OUTRIGHT EURO	ESB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6	-100.0%

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<b>Energy Futures</b>																			
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	0	535	1,145	-53.3%	0	0	0.0%	0	0	0.0%	2,822	3,119	-9.5%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	25	0	0.0%	0	0	0.0%	0	0	0.0%	161	120	34.2%
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	0	1,483	280	429.6%	0	0	0.0%	0	0	0.0%	5,499	2,518	118.4%
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	328	0	0.0%
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	110	-100.0%
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	375	-100.0%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	0	0.0%	980	150	553.3%
PETRO OUTRIGHT EURO	W0	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	X0	-	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	50	32	56.3%	0	0	0.0%	0	0	0.0%	249	554	-55.1%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	0	40	-100.0%
PETRO OUTRIGHT NA	GBA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	GUD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	69	18	283.3%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	0	1,925	3,283	-41.4%	0	0	0.0%	0	0	0.0%	9,680	18,352	-47.3%
PETRO OUTRIGHT NA	JTB	0	-	-	0	-	-	685	-	-	0	-	-	0	-	-	2,460	-	-
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	135	-92.6%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	397	797	-50.2%	0	0	0.0%	0	0	0.0%	1,230	3,047	-59.6%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	3,111	9,124	-65.9%	0	0	0.0%	0	0	0.0%	15,413	46,879	-67.1%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	0	0.0%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	20	40	-50.0%	0	0	0.0%	0	0	0.0%	55	363	-84.8%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	625	-100.0%
PETRO OUTRIGHT NA	XER	-	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	0	0.0%	0	0	0.0%	0	0	0.0%	28,032	264,125	-89.4%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	0	2,550	-100.0%	0	0	0.0%	0	0	0.0%	7,513	18,710	-59.8%
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	46,800	-100.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,550	-100.0%
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%	0	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG
<b>Energy Futures</b>																		
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0	0	46,800	-100.0%	0	0	0.0%	0	0	0.0%	0	85,390	-100.0%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0	0	2,550	-100.0%	0	0	0.0%	0	0	0.0%	0	4,675	-100.0%
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%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	211,995	-100.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,250	-100.0%
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	0	34,130	-100.0%	0	0	0.0%	0	0	0.0%	5,100	68,765	-92.6%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	0	662,960	-100.0%	0	0	0.0%	0	0	0.0%	0	1,573,230	-100.0%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0	0	504,194	-100.0%	0	0	0.0%	0	0	0.0%	0	658,287	-100.0%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	22	19,594	-99.9%	0	0	0.0%	0	0	0.0%	22	36,476	-99.9%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK CA	4N	-	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%
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	0	0.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
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%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0	31,610	0	0.0%	0	0	0.0%	0	0	0.0%	78,410	7,500	945.5%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0	1,700	880	93.2%	0	0	0.0%	0	0	0.0%	4,250	1,340	217.2%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	102,880	653,480	-84.3%	0	0	0.0%	0	0	0.0%	173,080	1,216,815	-85.8%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	9,860	31,817	-69.0%	0	0	0.0%	0	0	0.0%	34,454	86,239	-60.0%
PLASTICS	PGP	0	0	0.0%	0	0	240	723	-66.8%	0	0	0.0%	0	0	0.0%	1,522	2,118	-28.1%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	15	10	50.0%	0	0	0.0%	0	0	0.0%	1,326	231	474.0%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	14	-100.0%	0	0	0.0%	0	0	0.0%	165	35	371.4%
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%	80	7	1,042.9%
PREM UNL GAS 10PPM RDAM F	7L	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	32	-68.8%
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	487	122	299.2%	0	0	0.0%	0	0	0.0%	2,251	3,451	-34.8%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	12,775	5,219	144.8%	0	0	0.0%	0	0	0.0%	42,691	36,670	16.4%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	5,543	7,253	-23.6%	0	0	0.0%	0	0	0.0%	17,483	29,394	-40.5%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	1,896	360	426.7%	0	0	0.0%	0	0	0.0%	4,468	1,979	125.8%
RBOB CRACK SPREAD BALMO	1E	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	3,759	471	698.1%	0	0	0.0%	0	0	0.0%	5,262	2,413	118.1%
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%

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

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Energy Futures</b>																			
RBOB (PLATTS) CAL SWAP	RY	-	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	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%
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0	0	600	625	-4.0%	0	0	0.0%	0	0	0.0%	1,150	9,585	-88.0%
ROCKIES KERN OPAL - NW IN	IR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0	0	0	214	-100.0%	0	0	0.0%	0	0	0.0%	31	214	-85.5%
SAN JUAN PIPE SWAP	XX	0	-	-	0	-	360	-	-	0	-	-	0	-	-	360	-	-	
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	62	110	-43.6%	0	0	0.0%	0	0	0.0%	182	242	-24.8%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	120	307	-60.9%	0	0	0.0%	0	0	0.0%	409	847	-51.7%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	9,418	9,680	-2.7%	0	0	0.0%	0	0	0.0%	27,521	50,251	-45.2%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	1,324	1,307	1.3%	0	0	0.0%	0	0	0.0%	3,364	5,397	-37.7%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	1,525	678	124.9%	0	0	0.0%	0	0	0.0%	4,140	3,593	15.2%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	0	125	-100.0%	0	0	0.0%	0	0	0.0%	268	653	-59.0%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	5,135	4,199	22.3%	0	0	0.0%	0	0	0.0%	20,330	20,659	-1.6%
SINGAPORE GASOIL	STL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0	0	150	0	0.0%	0	0	0.0%	0	0	0.0%	4,300	400	975.0%
SINGAPORE GASOIL CALEND A	GDH	0	-	-	0	-	0	-	-	0	-	-	0	-	-	50	-	-	
SINGAPORE GASOIL CALEND A	GDL	0	-	-	0	-	0	-	-	0	-	-	0	-	-	250	-	-	
SINGAPORE GASOIL CALEND A	GHS	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
SINGAPORE GASOIL CALEND A	MGO	0	-	-	0	-	0	-	-	0	-	-	0	-	-	200	-	-	
SINGAPORE GASOIL CALEND A	MSG	0	0	0.0%	0	0	0	160	400	-60.0%	0	0	0.0%	0	0	0.0%	3,919	1,574	149.0%
SINGAPORE GASOIL CALEND A	SGG	0	-	-	0	-	0	-	-	0	-	-	0	-	-	325	-	-	
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	13	-1	5,640	8,734	-35.4%	0	0	0.0%	1	13	-92.3%	21,166	44,937	-52.9%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	9,325	4,855	92.1%	0	0	0.0%	0	0	0.0%	74,060	44,275	67.3%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	165	257	-35.8%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	1,175	2,275	-48.4%	0	0	0.0%	0	0	0.0%	19,295	9,580	101.4%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	1,210	1,125	7.6%	0	0	0.0%	0	0	0.0%	4,845	5,769	-16.0%
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%	25	0	0.0%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	300	315	-4.8%	0	0	0.0%	0	0	0.0%	1,663	422	294.1%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	1	-1	11,059	7,668	44.2%	0	0	0.0%	1	1	0.0%	63,703	34,544	84.4%
SINGAPORE NAPHTHA BALMO	KU	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE NAPHTHA SWAP	SP	0	-	-	0	-	0	-	-	0	-	-	0	-	-	200	-	-	
SING FUEL	MSD	0	0	0.0%	0	0	0	55	10	450.0%	0	0	0.0%	0	0	0.0%	55	35	57.1%
SOCAL PIPE SWAP	XN	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 APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Energy Futures</b>																			
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
SOUTHERN NAT LA NAT GAS	M8	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
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	0	0.0%	
Sumas Basis Swap	NK	0	0	0.0%	0	0	0	702	-100.0%	0	0	0.0%	0	0	0.0%	91	3,656	-97.5%	
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	-	30	-	-	0	-	-	0	-	-	548	-	-	
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	20	0	0.0%	0	0	0.0%	0	0	0.0%	240	0	0.0%	
TCO BASIS SWAP	TC	0	0	0.0%	0	0	0	4,868	-100.0%	0	0	0.0%	0	0	0.0%	0	7,216	-100.0%	
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	-	160	-	-	0	-	-	0	-	-	1,965	-	-	
TENN 800 LEG NAT GAS INDE	L4	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	428	-100.0%	
TENNESSEE 800 LEG NG BASI	6Z	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
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	0	0.0%	
TETCO M-3 INDEX	IX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
Tetco STX Basis	TX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
TEXAS EASTERN ZONE M-3 BA	NX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	7,547	-100.0%	
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 3 Basis	CZ	0	0	0.0%	0	0	0	302	-100.0%	0	0	0.0%	0	0	0.0%	0	302	-100.0%	
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	0.0%	0	0	0	6,256	-100.0%	0	0	0.0%	0	0	0.0%	0	6,256	-100.0%	
TRANSCO ZONE4 BASIS SWAP	TR	0	0	0.0%	0	0	0	403	-100.0%	0	0	0.0%	0	0	0.0%	0	5,891	-100.0%	
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	0	0	465	-100.0%	0	0	0.0%	0	0	0.0%	0	465	-100.0%	
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,870	-100.0%	
TRANSCO ZONE 6 INDEX	IT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	856	-100.0%	
UCM FUT	UCM	0	0	0.0%	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	50	81	-38.3%	
ULSD 10PPM CIF MED BALMO	X7	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%	
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	14	21	-33.3%	
ULSD 10PPM CIF NW BALMO S	B1	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
ULSD 10PPM CIF VS ICE GAS	7V	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	5,525	2,715	103.5%	0	0	0.0%	0	0	0.0%	19,765	17,105	15.6%	
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	26,656	32,710	-18.5%	0	0	0.0%	0	0	0.0%	138,852	173,478	-20.0%	
USGC UNL 87 CRACK SPREAD	RU	-	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	839	151	455.6%	0	0	0.0%	0	0	0.0%	2,925	882	231.6%	

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

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Energy Futures</b>																			
WAHA INDEX SWAP FUTURE	IY	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0	0	195	-100.0%	0	0	0.0%	0	0	0.0%	15	735	-98.0%	
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	6,300	0	0.0%	0	0	0.0%	0	0	0.0%	6,300	404	1,459.4%	
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	120	-1	35,865	608.1%	0	0	0.0%	0	120	-100.0%	152,174	32,697	365.4%	
WTI CALENDAR	CS	0	0	0.0%	0	0	0	43,112	36,677	17.5%	0	0	0.0%	0	0	0.0%	153,553	149,449	2.7%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	3,669	6,270	-41.5%	0	0	0.0%	0	0	0.0%	35,867	16,659	115.3%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	1,050	0	0.0%	0	0	0.0%	0	0	0.0%	1,272	2,410	-47.2%
<b>Energy Options</b>																			
12 MO GASOIL CAL SWAP SPR	GXZ	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
1 MO GASOIL CAL SWAP SPR	GXA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRENT 1 MONTH CAL	AA	0	-	-	0	-	0	-	-	0	-	-	0	-	-	3,000	-	-	
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	1,140	1,982	-42.5%	
BRENT CRUDE OIL 12 M CSO	9Y	0	-	-	0	-	0	-	-	0	-	-	0	-	-	2,000	-	-	
BRENT CRUDE OIL 1 M CSO	9C	0	-	-	1,800	-	130,744	-	-	0	-	-	1,800	-	-	252,944	-	-	
BRENT CRUDE OIL 6 M CSO	9L	0	-	-	0	-	1,000	-	-	0	-	-	0	-	-	1,000	-	-	
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	51,349	8,572	499.0%	0	0	0.0%	0	0	0.0%	86,164	14,680	486.9%
BRENT OIL LAST DAY	BZO	0	0	0.0%	49,268	1,468	32.56	82,121	14,565	463.8%	0	0	0.0%	156,908	15,005	945.7%	297,941	58,850	406.3%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	40	48	-16.7%	1,000	1,000	0.0%
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	225	1,445	-84.4%	0	0	0.0%	0	0	0.0%	2,965	5,331	-44.4%
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	400	0	0.0%	0	0	0.0%	0	0	0.0%	1,050	580	81.0%
COAL API2 INDEX	MTC	0	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	RLA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	25	0	0.0%
COAL API4 INDEX	RQA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	0	0.0%
COAL SWAP	CPF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	140	-100.0%
COAL SWAP	RPF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	85	-100.0%
CRUDE OIL 1MO	WA	0	0	0.0%	25,725	10,670	1.41	224,550	113,100	98.5%	0	0	0.0%	70,610	82,053	-13.9%	680,650	581,700	17.0%
CRUDE OIL APO	AO	0	0	0.0%	120	30	3	56,827	40,198	41.4%	0	0	0.0%	166	40	315.0%	228,750	137,878	65.9%
CRUDE OIL CALNDR STRIP	6F	0	-	-	0	-	0	170	-	-	0	-	0	-	-	170	-	-	
CRUDE OIL OUTRIGHTS	AH	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	DBP	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	WCI	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	

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

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Energy Options</b>																			
CRUDE OIL PHY	CD	0	0	0.0%	0	0	0	3,850	1,135	239.2%	0	0	0.0%	0	0	0.0%	7,025	6,560	7.1%
CRUDE OIL PHY	LC	0	0	0.0%	0	0	0	13,590	36,890	-63.2%	0	0	0.0%	700	9	7,677.8%	52,591	133,930	-60.7%
CRUDE OIL PHY	LO	0	0	0.0%	3,080,450	3,181,044	-0.03	639,370	798,054	-19.9%	0	0	0.0%	12,213,911	11,917,664	2.5%	2,703,902	2,930,871	-7.7%
CRUDE OIL PHY	LO1	0	0	0.0%	14,510	10,115	0.43	0	100	-100.0%	0	0	0.0%	48,112	36,708	31.1%	50	100	-50.0%
CRUDE OIL PHY	LO2	0	0	0.0%	18,070	6,413	1.82	0	0	0.0%	0	0	0.0%	55,313	32,134	72.1%	50	150	-66.7%
CRUDE OIL PHY	LO3	0	0	0.0%	16,700	13,478	0.24	125	0	0.0%	0	0	0.0%	47,590	29,330	62.3%	325	200	62.5%
CRUDE OIL PHY	LO4	0	0	0.0%	18,310	20,137	-0.09	0	0	0.0%	0	0	0.0%	57,841	46,415	24.6%	50	0	0.0%
CRUDE OIL PHY	LO5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	13,052	13,633	-4.3%	225	0	0.0%
ELEC FINSETTLED	PML	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ELEC MISO PEAK	9T	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	820	-100.0%
ETHANOL	CE1	0	0	0.0%	0	0	0	175	15	1,066.7%	0	0	0.0%	0	0	0.0%	275	65	323.1%
ETHANOL	CE3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
ETHANOL SWAP	CVR	0	0	0.0%	0	0	0	7,360	5,395	36.4%	0	0	0.0%	0	0	0.0%	31,867	21,707	46.8%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	600	515	16.5%	0	0	0.0%	0	0	0.0%	1,683	770	118.6%
EURO-DENOMINATED PETRO P	NWE	-	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	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	0	0.0%
HEATING OIL CRACK OPTIONS	CH	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	-	-	-
HEATING OIL CRK SPD AVG PR	3W	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	LB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	900	-100.0%
HEATING OIL PHY	OH	0	0	0.0%	6,185	4,867	0.27	19,359	21,718	-10.9%	0	0	0.0%	27,473	18,391	49.4%	107,036	87,352	22.5%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	1,386	3,480	-60.2%	0	0	0.0%	5	0	0.0%	14,443	16,141	-10.5%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0	0	0	1,300	-100.0%	0	0	0.0%	0	0	0.0%	0	1,300	-100.0%
HUSTN SHIP CHNL PIPE SWP	PK	-	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	0	0.0%	0	0	0.0%	0	0	0.0%	100	5,100	-98.0%
LLS CRUDE OIL	YVO	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	-	-	-
MCCLOSKEY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	90	540	-83.3%
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	1,725	0	0.0%
NATURAL GAS	G10	0	0	0.0%	0	0	0	0	250	-100.0%	0	0	0.0%	0	0	0.0%	0	250	-100.0%
NATURAL GAS 1 M CSO FIN	G4	0	0	0.0%	0	0	0	150	109,700	-99.9%	0	0	0.0%	1	0	0.0%	212,691	165,700	28.4%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,750	-100.0%
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	7,815	5,750	35.9%	0	0	0.0%	1	0	0.0%	14,295	19,650	-27.3%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	0	1,100	825	33.3%	0	0	0.0%	0	0	0.0%	2,550	4,050	-37.0%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	0	1,000	0	0.0%	0	0	0.0%	0	0	0.0%	63,650	33,870	87.9%

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

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Energy Options</b>																			
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	4,584	120	3,720.0%	0	0	0.0%	0	0	0.0%	18,408	3,800	384.4%
NATURAL GAS PHY	KD	0	0	0.0%	9,242	811	10.4	9,150	28,455	-67.8%	0	0	0.0%	59,301	1,344	4,312.3%	32,325	117,635	-72.5%
NATURAL GAS PHY	LN	0	0	0.0%	691,388	817,960	-0.15	583,758	1,055,854	-44.7%	0	0	0.0%	4,975,821	3,345,241	48.7%	3,368,270	5,789,362	-41.8%
NATURAL GAS PHY	ON	0	0	0.0%	100,667	156,092	-0.36	12,422	1,489	734.3%	0	0	0.0%	689,755	809,582	-14.8%	47,696	26,220	81.9%
NATURAL GAS PHY	ON1	-	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%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	0	0	450	-100.0%	0	0	0.0%	0	0	0.0%	0	1,506	-100.0%
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	98	31	2.16	1,758	3,159	-44.3%	0	0	0.0%	157	215	-27.0%	11,586	12,028	-3.7%
NYISO ZONE G 5MW PEAK OPT	9U	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	19,830	-100.0%
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	0.0%
NYMEX EUROPEAN GASOIL OP	F8	-	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	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,880	-100.0%
PETROCHEMICALS	4H	0	0	0.0%	0	0	0	500	515	-2.9%	0	0	0.0%	5	0	0.0%	2,128	2,297	-7.4%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	0	255	-100.0%	0	0	0.0%	0	0	0.0%	1,350	2,180	-38.1%
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	18	-100.0%	0	0	0.0%	0	0	0.0%	0	18	-100.0%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
PETRO OUTRIGHT NA	DAP	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%
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0	0	170	480	-64.6%	0	0	0.0%	0	0	0.0%	250	2,540	-90.2%
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%	880	0	0.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	0	0.0%	0	0	0	1,282	1,752	-26.8%	0	0	0.0%	0	0	0.0%	4,275	9,919	-56.9%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	500	0	0.0%
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0	0	460	460	0.0%	0	0	0.0%	0	0	0.0%	910	2,025	-55.1%
RBOB PHY	OB	0	0	0.0%	2,905	4,148	-0.3	5,445	31,720	-82.8%	0	0	0.0%	19,329	21,247	-9.0%	27,105	72,339	-62.5%
RBOB PHY	RF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	125	60	108.3%
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%	0	0	0.0%
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0	0	900	270	233.3%	0	0	0.0%	0	0	0.0%	900	900	0.0%
SHORT TERM	U11	0	0	0.0%	0	0	0	0	400	-100.0%	0	0	0.0%	0	0	0.0%	300	1,170	-74.4%
SHORT TERM	U12	0	0	0.0%	0	0	0	325	325	0.0%	0	0	0.0%	85	0	0.0%	450	920	-51.1%
SHORT TERM	U13	0	0	0.0%	0	0	0	100	50	100.0%	0	0	0.0%	0	0	0.0%	100	975	-89.7%
SHORT TERM	U14	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	10	0	0.0%	625	800	-21.9%
SHORT TERM	U15	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	125	0	0.0%	150	1,615	-90.7%
SHORT TERM	U22	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,025	450	127.8%

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

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<b>Energy Options</b>																			
SHORT TERM	U23	0	0	0.0%	0	0	0	250	0	0.0%	0	0	0.0%	80	0	0.0%	500	620	-19.4%
SHORT TERM	U24	0	0	0.0%	0	0	0	0	730	-100.0%	0	0	0.0%	0	0	0.0%	100	1,230	-91.9%
SHORT TERM	U25	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
SHORT TERM	U26	0	0	0.0%	0	0	0	300	20	1,400.0%	0	0	0.0%	0	0	0.0%	300	20	1,400.0%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	0	425	-100.0%	0	0	0.0%	0	0	0.0%	125	1,150	-89.1%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	75	0	0.0%	900	855	5.3%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	30	0	0.0%	100	890	-88.8%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0	0	0	125	-100.0%	0	0	0.0%	0	0	0.0%	250	200	25.0%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	200	550	-63.6%	0	0	0.0%	25	0	0.0%	600	600	0.0%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	450	600	-25.0%	0	0	0.0%	0	0	0.0%	450	4,500	-90.0%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	0	500	-100.0%	0	0	0.0%	0	0	0.0%	250	1,675	-85.1%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,225	1,850	-33.8%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	33	0	0	425	0	0.0%	0	0	0.0%	34	0	0.0%	700	1,380	-49.3%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	100	300	-66.7%	0	0	0.0%	0	0	0.0%	200	3,700	-94.6%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	35	0	0.0%	550	400	37.5%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	70	0	0.0%	450	1,155	-61.0%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	500	0	0.0%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0	0	125	0	0.0%	0	0	0.0%	60	0	0.0%	125	805	-84.5%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	0	1,525	-100.0%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	0	0	0	250	-100.0%	0	0	0.0%	0	0	0.0%	0	665	-100.0%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0	0	150	120	25.0%	0	0	0.0%	0	0	0.0%	400	1,870	-78.6%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0	0	0	45	-100.0%	0	0	0.0%	0	0	0.0%	100	245	-59.2%
SHORT TERM NATURAL GAS	U29	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	0	0.0%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	660	-84.8%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	25	0	0.0%	0	3,385	-100.0%
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%	0	0	0.0%
WTI-BRENT BULLET SWAP	BV	0	0	0.0%	18,100	300	59.33	122,660	30,973	296.0%	0	0	0.0%	128,821	3,840	3,254.7%	397,667	187,293	112.3%
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	750	0	0	116,750	27,200	329.2%	0	0	0.0%	10,950	0	0.0%	310,100	199,300	55.6%

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

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Metals Futures</b>																			
COMEX GOLD	GC	0	0	0.0%	6,403,880	4,461,090	0.44	251,181	151,076	66.3%	0	0	0.0%	28,865,817	20,383,912	41.6%	1,065,768	718,742	48.3%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	2,748	152	17.08	9,326	1,030	805.4%	0	0	0.0%	12,025	728	1,551.8%	29,211	11,722	149.2%
NYMEX PLATINUM	PL	0	0	0.0%	412,608	274,939	0.5	11,097	5,636	96.9%	0	0	0.0%	1,734,008	1,386,755	25.0%	42,998	41,925	2.6%
PALLADIUM	PA	0	0	0.0%	139,059	92,121	0.51	6,079	5,740	5.9%	0	0	0.0%	487,400	427,334	14.1%	22,291	22,442	-0.7%
URANIUM	UX	0	0	0.0%	27	0	0	0	200	-100.0%	0	0	0.0%	79	412	-80.8%	833	2,082	-60.0%
COMEX SILVER	SI	0	0	0.0%	2,519,813	2,056,271	0.23	105,943	64,606	64.0%	0	0	0.0%	8,552,886	6,671,830	28.2%	257,499	168,290	53.0%
COMEX E-Mini GOLD	QO	0	0	0.0%	6,988	7,370	-0.05	0	0	0.0%	0	0	0.0%	28,545	38,377	-25.6%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	1,201	720	0.67	0	0	0.0%	0	0	0.0%	4,959	3,406	45.6%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	3,055,902	2,238,991	0.36	35,055	27,794	26.1%	0	0	0.0%	11,250,981	8,008,170	40.5%	112,345	126,713	-11.3%
COMEX MINY COPPER	QC	0	0	0.0%	531	790	-0.33	0	0	0.0%	0	0	0.0%	2,399	3,614	-33.6%	0	0	0.0%
ALUMINUM	A38	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
ALUMINUM	AEP	0	0	0.0%	0	20	-1	2,988	1,385	115.7%	0	0	0.0%	0	60	-100.0%	7,036	15,399	-54.3%
ALUMINUM	ALA	0	0	0.0%	0	0	0	2,050	0	0.0%	0	0	0.0%	0	0	0.0%	2,925	100	2,825.0%
ALUMINUM	ALI	0	0	0.0%	0	220	-1	0	0	0.0%	0	0	0.0%	0	3,414	-100.0%	0	620	-100.0%
ALUMINUM	AUP	0	0	0.0%	1,107	132	7.39	10,098	4,821	109.5%	0	0	0.0%	3,204	939	241.2%	47,254	33,801	39.8%
ALUMINUM	CUP	0	-	-	0	-	0	0	-	0	-	-	25	-	-	180	-	-	
ALUMINUM	EDP	0	0	0.0%	0	0	0	174	375	-53.6%	0	0	0.0%	5	2	150.0%	6,687	975	585.8%
ALUMINUM	MJP	0	0	0.0%	0	0	0	1,194	0	0.0%	0	0	0.0%	0	10	-100.0%	7,299	4,648	57.0%
COPPER	HGS	0	0	0.0%	0	0	0	691	307	125.1%	0	0	0.0%	0	0	0.0%	10,073	923	991.3%
E-MICRO GOLD	MGC	0	0	0.0%	133,405	84,964	0.57	0	0	0.0%	0	0	0.0%	519,152	345,221	50.4%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	4	0	0	1,483	30	4,843.3%	0	0	0.0%	46	35	31.4%	9,148	180	4,982.2%
GOLD	GPS	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%	60	230	-0.74	0	0	0.0%	0	0	0.0%	136	1,631	-91.7%	0	0	0.0%
IRON ORE 62 CHINA PLATTS FL	PIO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,292	-100.0%
IRON ORE 62 CHINA TSI FUTUR	TIO	0	0	0.0%	10	301	-0.97	3,579	11,048	-67.6%	0	0	0.0%	26	1,529	-98.3%	14,388	42,497	-66.1%
LNDN ZINC	ZNC	0	0	0.0%	7	15	-0.53	0	0	0.0%	0	0	0.0%	40	35	14.3%	0	0	0.0%
METALS	LED	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SILVER	SIL	0	0	0.0%	9,335	4,643	1.01	0	0	0.0%	0	0	0.0%	29,268	19,690	48.6%	0	0	0.0%



## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG	
<b>Metals Options</b>																			
COMEX COPPER	HX	0	0	0.0%	14,079	3,989	2.53	10,285	0	0.0%	0	0	0.0%	59,123	13,253	346.1%	23,093	2,679	762.0%
COMEX GOLD	OG	0	0	0.0%	754,169	627,619	0.2	205,170	156,373	31.2%	0	0	0.0%	3,043,068	2,450,183	24.2%	799,654	684,048	16.9%
COMEX SILVER	SO	0	0	0.0%	152,003	103,427	0.47	25,204	10,357	143.4%	0	0	0.0%	512,645	367,784	39.4%	78,555	50,876	54.4%
GOLD	OG1	0	0	0.0%	10,641	2,331	3.56	60	0	0.0%	0	0	0.0%	40,212	9,606	318.6%	860	0	0.0%
GOLD	OG2	0	0	0.0%	7,328	2,514	1.91	0	300	-100.0%	0	0	0.0%	29,854	9,238	223.2%	2,670	600	345.0%
GOLD	OG3	0	0	0.0%	8,271	3,763	1.2	0	50	-100.0%	0	0	0.0%	33,082	12,144	172.4%	3,550	1,210	193.4%
GOLD	OG4	0	0	0.0%	8,085	1,897	3.26	0	100	-100.0%	0	0	0.0%	22,261	4,663	377.4%	1,250	100	1,150.0%
GOLD	OG5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	6,835	2,608	162.1%	0	0	0.0%
HOT ROLLED COIL STEEL CALL	HRO	0	-	-	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-
IRON ORE 62 CHINA TSI CALL C	ICT	0	0	0.0%	0	0	0	0	3,250	-100.0%	0	0	0.0%	0	0	0.0%	200	7,832	-97.4%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	0	460	-100.0%	0	0	0.0%	0	0	0.0%	1,080	12,685	-91.5%
NYMEX PLATINUM	PO	0	0	0.0%	741	895	-0.17	200	1,700	-88.2%	0	0	0.0%	5,798	2,514	130.6%	6,736	7,839	-14.1%
PALLADIUM	PAO	0	0	0.0%	2,273	1,333	0.71	2,317	3,369	-31.2%	0	0	0.0%	7,630	3,418	123.2%	6,732	10,179	-33.9%
SILVER	SO1	0	0	0.0%	121	111	0.09	0	0	0.0%	0	0	0.0%	621	223	178.5%	0	0	0.0%
SILVER	SO2	0	0	0.0%	115	0	0	0	0	0.0%	0	0	0.0%	350	140	150.0%	0	0	0.0%
SILVER	SO3	0	0	0.0%	321	0	0	0	0	0.0%	0	0	0.0%	758	180	321.1%	0	0	0.0%
SILVER	SO4	0	0	0.0%	46	7	5.57	0	0	0.0%	0	0	0.0%	365	43	748.8%	0	0	0.0%
SILVER	SO5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	133	0	0.0%	0	0	0.0%
<b>TOTAL FUTURES GROUP</b>																			
Ag Products Futures		0	0	0.0%	63	24	162.5%	0	0	0.0%	0	0	0.0%	65	95	-31.6%	0	0	0.0%
Energy Futures		0	0	0.0%	45,962,519	36,817,497	24.8%	2,695,990	4,831,948	-44.2%	0	0	0.0%	183,270,392	158,454,079	15.7%	11,939,822	17,288,059	-30.9%
Metals Futures		0	0	0.0%	12,686,685	9,222,969	37.6%	440,938	274,048	60.9%	0	0	0.0%	51,491,001	37,297,104	38.1%	1,635,935	1,192,381	37.2%
<b>TOTAL FUTURES</b>		<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>58,649,267</b>	<b>46,040,490</b>	<b>27.4%</b>	<b>3,136,928</b>	<b>5,105,996</b>	<b>-38.6%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>234,761,458</b>	<b>195,751,278</b>	<b>19.9%</b>	<b>13,575,757</b>	<b>18,480,440</b>	<b>-26.5%</b>
<b>TOTAL OPTIONS GROUP</b>																			
Energy Options		0	0	0.0%	4,054,321	4,227,564	-4.1%	2,106,030	2,350,687	-10.4%	0	0	0.0%	18,578,316	16,372,899	13.5%	9,008,832	10,723,194	-16.0%
Metals Options		0	0	0.0%	958,193	747,886	28.1%	243,236	175,959	38.2%	0	0	0.0%	3,762,735	2,875,997	30.8%	924,380	778,048	18.8%
<b>TOTAL OPTIONS</b>		<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>5,012,514</b>	<b>4,975,450</b>	<b>0.7%</b>	<b>2,349,266</b>	<b>2,526,646</b>	<b>-7.0%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>22,341,051</b>	<b>19,248,896</b>	<b>16.1%</b>	<b>9,933,212</b>	<b>11,501,242</b>	<b>-13.6%</b>

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

Commodity Indicator	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	CME ClearPort APR 2018	CME ClearPort APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG	CME ClearPort Y.T.D 2018	CME ClearPort Y.T.D 2017	% CHG
<b>TOTAL COMBINED</b>																		
Ag Products	0	0	0.0%	63	24	162.5%	0	0	0.0%	0	0	0.0%	65	95	-31.6%	0	0	0.0%
Energy	0	0	0.0%	50,016,840	41,045,061	21.9%	4,802,020	7,182,635	-33.1%	0	0	0.0%	201,848,708	174,826,978	15.5%	20,948,654	28,011,253	-25.2%
Metals	0	0	0.0%	13,644,878	9,970,855	36.8%	684,174	450,007	52.0%	0	0	0.0%	55,253,736	40,173,101	37.5%	2,560,315	1,970,429	29.9%
<b>GRAND TOTAL</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>63,661,781</b>	<b>51,015,940</b>	<b>24.8%</b>	<b>5,486,194</b>	<b>7,632,642</b>	<b>-28.1%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>257,102,509</b>	<b>215,000,174</b>	<b>19.6%</b>	<b>23,508,969</b>	<b>29,981,682</b>	<b>-21.6%</b>

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