

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

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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%	0	21	-1	0	0	0.0%	0	0	0.0%	5	74	-93.2%	0	0	0.0%
COFFEE	KT	0	0	0.0%	0	20	-1	0	0	0.0%	0	0	0.0%	0	40	-100.0%	0	0	0.0%
COTTON	TT	0	0	0.0%	0	10	-1	0	0	0.0%	0	0	0.0%	2	14	-85.7%	0	0	0.0%
SUGAR 11	YO	0	0	0.0%	0	7	-1	0	0	0.0%	0	0	0.0%	58	25	132.0%	0	0	0.0%
<b>Energy Futures</b>																			
CRUDE OIL PHY	CL	0	0	0.0%	30,494,584	26,861,596	0.14	456,153	664,149	-31.3%	0	0	0.0%	136,821,126	115,265,999	18.7%	2,397,730	2,856,442	-16.1%
CRUDE OIL	WS	0	0	0.0%	0	4	-1	4,000	5,352	-25.3%	0	0	0.0%	89	204	-56.4%	8,250	33,075	-75.1%
MINY WTI CRUDE OIL	QM	0	0	0.0%	408,772	337,645	0.21	0	0	0.0%	0	0	0.0%	1,596,027	1,252,992	27.4%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	2,120,216	2,364,058	-0.1	32,173	21,337	50.8%	0	0	0.0%	8,810,058	10,067,943	-12.5%	197,053	112,011	75.9%
HEATING OIL PHY	HO	0	0	0.0%	4,134,987	3,604,751	0.15	199,607	262,613	-24.0%	0	0	0.0%	19,482,053	15,849,131	22.9%	1,003,503	1,262,612	-20.5%
HTG OIL	BH	0	0	0.0%	0	36	-1	0	0	0.0%	0	0	0.0%	0	36	-100.0%	48	48	0.0%
MINY HTG OIL	QH	0	0	0.0%	2	2	0	0	0	0.0%	0	0	0.0%	15	13	15.4%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	4,316,306	4,029,069	0.07	252,773	314,430	-19.6%	0	0	0.0%	19,591,160	19,178,385	2.2%	1,143,712	1,449,234	-21.1%
MINY RBOB GAS	QU	0	0	0.0%	3	4	-0.25	0	0	0.0%	0	0	0.0%	15	24	-37.5%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	28,106	52,920	-0.47	69,226	120,586	-42.6%	0	0	0.0%	294,808	169,330	74.1%	393,426	605,056	-35.0%
LTD NAT GAS	HH	0	0	0.0%	205,950	125,949	0.64	127,069	176,834	-28.1%	0	0	0.0%	1,138,219	542,469	109.8%	691,928	917,277	-24.6%
MINY NATURAL GAS	QG	0	0	0.0%	15,948	22,023	-0.28	0	0	0.0%	0	0	0.0%	148,902	147,261	1.1%	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%	8,026,786	9,064,621	-0.11	214,723	325,206	-34.0%	0	0	0.0%	45,096,194	42,380,286	6.4%	1,484,775	1,552,675	-4.4%
RBOB GAS	RT	0	0	0.0%	0	0	0	1,010	1,602	-37.0%	0	0	0.0%	0	0	0.0%	14,338	8,260	73.6%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	55	25	120.0%	0	0	0.0%	0	0	0.0%	452	872	-48.2%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	0	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	95	170	-44.1%
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	60	-1	25,757	4,035	538.3%	0	0	0.0%	30	60	-50.0%	135,142	33,450	304.0%
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	4,908	1,327	269.9%	0	0	0.0%	0	0	0.0%	32,911	6,797	384.2%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	2,238	722	210.0%	0	0	0.0%	0	0	0.0%	13,792	4,939	179.2%
AUSTRIALIAN COKE COAL	ACT	0	-	-	0	-	-	20	-	-	0	-	-	0	-	-	20	-	-
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0	0	0	77	-100.0%	0	0	0.0%	0	0	0.0%	0	993	-100.0%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	138	-63.8%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	13,046	750	1,639.5%	0	0	0.0%	0	0	0.0%	20,596	12,317	67.2%
BRENT CFD SWAP	6W	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	300	-	-
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	476	12,700	-96.3%	0	0	0.0%	0	0	0.0%	10,976	24,056	-54.4%
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	80	0	0.0%	0	0	0.0%	0	0	0.0%	224	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	4,260	-100.0%	0	0	0.0%	0	0	0.0%	0	6,819	-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	-	-	0	-	-	0	-	-	0	-	-	2,076	-	-	0	-	-
CEU ENERGY	TTF	0	-	-	2,176	-	-	0	-	-	0	-	-	5,586	-	-	10	-	-
CEU ENERGY	UKG	0	-	-	8,865	-	-	0	-	-	0	-	-	23,795	-	-	0	-	-
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	585	165	2.55	105,034	136,699	-23.2%	0	0	0.0%	1,591	1,247	27.6%	540,990	633,380	-14.6%
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	170	50	240.0%	0	0	0.0%	0	0	0.0%	1,322	832	58.9%
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	0	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	0	0.0%	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	1,372	796	72.4%	0	0	0.0%	0	0	0.0%	5,976	10,901	-45.2%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	0	46,840	-100.0%	0	0	0.0%	0	0	0.0%	0	273,040	-100.0%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0	0	0	1,070	-100.0%	0	0	0.0%	0	0	0.0%	0	21,070	-100.0%
COAL SWAP	ACM	0	0	0.0%	0	0	0	115	150	-23.3%	0	0	0.0%	0	0	0.0%	300	1,060	-71.7%

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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	0	575	1,642.4%	0	0	0.0%	0	0	0.0%	1,123	1,087	3.3%	
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	245	-83.5%	0	0	0.0%	0	0	0.0%	585	4,754	-87.7%	
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	6	20	-0.7	18,176	95.0%	0	0	0.0%	12	39	-69.2%	80,746	41,998	92.3%	
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	0	4,850	0.5%	0	0	0.0%	0	0	0.0%	24,305	19,097	27.3%	
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	0	236	108.8%	0	0	0.0%	0	0	0.0%	1,142	3,645	-68.7%	
CRUDE OIL OUTRIGHTS	CC5	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	330	-100.0%	
CRUDE OIL OUTRIGHTS	CPD	0	-	-	0	-	0	0	-	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	0	-100.0%	0	0	0.0%	0	0	0.0%	5	1,030	-99.5%	
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0	0	59	-70.5%	0	0	0.0%	0	0	0.0%	99	800	-87.6%	
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	0	82,981	986.7%	0	0	0.0%	0	0	0.0%	276,645	44,282	524.7%	
CRUDE OIL OUTRIGHTS	LSW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	290	30	866.7%	
CRUDE OIL OUTRIGHTS	SSW	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	225	-100.0%	
CRUDE OIL OUTRIGHTS	UMD	0	-	-	0	-	0	100	-	0	-	-	0	-	-	4,800	-	-	
CRUDE OIL OUTRIGHTS	UNS	0	-	-	0	-	0	1,500	-	0	-	-	0	-	-	7,554	-	-	
CRUDE OIL OUTRIGHTS	WCC	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	23,697	-100.0%	
CRUDE OIL OUTRIGHTS	WCW	0	0	0.0%	0	0	0	6,840	12.3%	0	0	0.0%	0	0	0.0%	48,901	9,935	392.2%	
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	900	0.0%	0	0	0.0%	0	0	0.0%	2,055	0	0.0%	
CRUDE OIL SPRDS	WTT	0	0	0.0%	0	50	-1	54,363	2,814.9%	0	0	0.0%	0	50	-100.0%	275,737	26,919	924.3%	
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	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	0	1,300	-100.0%	0	0	0.0%	0	0	0.0%	2,660	5,445	-51.1%
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	126	2,769	-95.4%	0	0	0.0%	0	0	0.0%	126	41,765	-99.7%
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	2,737	22,685	-87.9%	0	0	0.0%	0	0	0.0%	11,681	51,889	-77.5%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,500	-100.0%
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0	35	590	-94.1%	0	0	0.0%	0	0	0.0%	185	3,804	-95.1%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	45	-100.0%	0	0	0.0%	0	0	0.0%	157	1,185	-86.8%
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	211	1,407	-85.0%	0	0	0.0%	0	0	0.0%	877	4,590	-80.9%
ELEC ERCOT DLY OFF PK	I4	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-
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	-	0	-	-	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%

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

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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	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	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	0	0	420	-100.0%	0	0	0.0%	0	0	0.0%	1,510	420	259.5%	
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	0	14,720	-100.0%	0	0	0.0%	0	0	0.0%	19,600	14,720	33.2%	
ERCOT NORTH ZMCPE 5MW PE	I5	0	0.0%	0	0	0	0	420	-100.0%	0	0	0.0%	0	0	0.0%	4,610	1,250	268.8%	
ETHANOL SWAP	MT2	0	-	0	-	-	10	-	-	0	-	-	0	-	-	40	-	-	
ETHANOL T2 FOB ROTT INCL D	Z1	0	0.0%	0	0	0	3,153	2,682	17.6%	0	0	0.0%	0	0	0.0%	15,684	17,542	-10.6%	
EURO 1% FUEL OIL NEW BALM	KX	0	0.0%	0	0	0	15	8	87.5%	0	0	0.0%	0	0	0.0%	20	18	11.1%	
EURO 3.5% FUEL OIL RDAM B	KR	0	0.0%	0	0	0	885	633	39.8%	0	0	0.0%	0	0	0.0%	3,315	2,914	13.8%	
EURO 3.5% FUEL OIL SPREAD	FK	0	0.0%	0	0	0	80	412	-80.6%	0	0	0.0%	0	0	0.0%	562	2,276	-75.3%	
EURO-DENOMINATED PETRO P	NCP	0	0.0%	0	0	0	0	0	0.0%	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	10	0	0.0%	0	0	0.0%	0	0	0.0%	365	198	84.3%	
EUROPE 1% FUEL OIL NWE CA	UF	0	0.0%	0	0	0	15	108	-86.1%	0	0	0.0%	0	0	0.0%	318	653	-51.3%	
EUROPE 1% FUEL OIL RDAM C	UH	0	0.0%	0	0	0	3	10	-70.0%	0	0	0.0%	0	0	0.0%	3	26	-88.5%	
EUROPE 3.5% FUEL OIL MED	UI	0	0.0%	0	0	0	61	65	-6.2%	0	0	0.0%	0	0	0.0%	671	1,159	-42.1%	
EUROPE 3.5% FUEL OIL RDAM	UV	0	0.0%	0	0	0	14,507	8,278	75.2%	0	0	0.0%	0	0	0.0%	47,201	47,059	0.3%	
EUROPEAN GASOIL (ICE)	7F	0	0.0%	786	4,195	-0.81	0	0	0.0%	0	0	0.0%	2,448	15,294	-84.0%	0	0	0.0%	
EUROPEAN NAPHTHA BALMO	KZ	0	0.0%	0	0	0	214	301	-28.9%	0	0	0.0%	0	0	0.0%	1,313	1,835	-28.4%	
EUROPEAN NAPHTHA CRACK SF	EN	0	0.0%	0	0	0	8,923	9,281	-3.9%	0	0	0.0%	0	0	0.0%	46,268	38,236	21.0%	
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	60	-75.0%	
EUROPE NAPHTHA CALSWAP	UN	0	0.0%	0	0	0	2,522	2,759	-8.6%	0	0	0.0%	0	0	0.0%	16,182	13,683	18.3%	
EURO PROPANE CIF ARA SWA	PS	0	0.0%	0	0	0	1,553	1,041	49.2%	0	0	0.0%	0	0	0.0%	9,942	5,876	69.2%	
FL GAS ZONE 3 NAT GAS IND	Q9	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	

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

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<b>Energy Futures</b>																		
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%
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	74	41	80.5%	0	0	0.0%	0	0	0.0%	566	386	46.6%
FREIGHT MARKETS	FRC	0	-	-	0	-	350	-	-	0	-	-	0	-	-	535	-	-
FREIGHT MARKETS	FRS	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-
FREIGHT MARKETS	T2D	0	-	-	0	-	300	-	-	0	-	-	0	-	-	1,328	-	-
FREIGHT MARKETS	TC6	0	-	-	0	-	0	-	-	0	-	-	0	-	-	240	-	-
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	5,210	5,870	-11.2%	0	0	0.0%	0	0	0.0%	23,724	21,019	12.9%
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%	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%	154	0	0.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0	0	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	196	342	-42.7%	0	0	0.0%	0	0	0.0%	1,421	1,477	-3.8%
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	10,462	6,905	51.5%	0	0	0.0%	0	0	0.0%	39,751	38,289	3.8%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	17,159	19,359	-11.4%	0	0	0.0%	0	0	0.0%	110,270	101,939	8.2%
GASOIL 0.1 BRGS FOB VS IC	6V	-	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%
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%	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%
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-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%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	120	-95.8%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	610	5	12,100.0%	0	0	0.0%	0	0	0.0%	975	50	1,850.0%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
GASOIL 10PPM CARGOES CIF	TY	-	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	0.0%	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%
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	24	208	-88.5%	0	0	0.0%	0	0	0.0%	36	241	-85.1%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	4,146	5,397	-23.2%	0	0	0.0%	0	0	0.0%	28,158	38,065	-26.0%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	131	252	-48.0%	0	0	0.0%	0	0	0.0%	667	907	-26.5%
GASOLINE UP-DOWN BALMO S	1K	-	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	40	0	0.0%	0	0	0.0%	0	0	0.0%	155	0	0.0%
GROUP THREE UNLEAD GAS (F	A9	0	-	-	0	-	425	-	-	0	-	-	0	-	-	425	-	-
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	2,845	1,815	56.7%	0	0	0.0%	0	0	0.0%	19,139	13,321	43.7%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	1,724	600	187.3%	0	0	0.0%	0	0	0.0%	10,662	3,154	238.0%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	2,174	1,208	80.0%	0	0	0.0%	0	0	0.0%	7,670	5,943	29.1%

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

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<b>Energy Futures</b>																			
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	48	90	-46.7%	0	0	0.0%	0	0	0.0%	681	546	24.7%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	28,339	50,762	-44.2%	0	0	0.0%	0	0	0.0%	216,472	226,474	-4.4%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	74,617	46,067	62.0%	0	0	0.0%	0	0	0.0%	315,653	293,211	7.7%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	2,520	490	414.3%	0	0	0.0%	0	0	0.0%	11,003	7,459	47.5%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	239	1,057	-77.4%	0	0	0.0%	0	0	0.0%	993	2,630	-62.2%
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	0	540	-100.0%	0	0	0.0%	0	0	0.0%	1,295	1,540	-15.9%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	0	210	-100.0%	0	0	0.0%	0	0	0.0%	56	580	-90.3%
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	0	10,920	-100.0%	0	0	0.0%	0	2,996	-100.0%	6,192	43,258	-85.7%
HENRY HUB FINANCIAL LAST	NBP	0	-	-	4,377	-	0	-	-	0	-	-	9,667	-	-	0	-	-	
HENRY HUB FINANCIAL LAST	TTE	0	-	-	69	-	0	-	-	0	-	-	690	-	-	0	-	-	
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	0	10,920	-100.0%	0	0	0.0%	0	2,996	-100.0%	6,192	41,680	-85.1%
HENRY HUB SWAP	NN	0	0	0.0%	26,596	8,473	2.14	186,373	189,985	-1.9%	0	0	0.0%	40,510	52,677	-23.1%	818,901	773,992	5.8%
HENRY HUB SWING FUTURE	SN	-	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	1,095	-100.0%	0	0	0.0%	0	0	0.0%	0	2,064	-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	15,321	23,050	-33.5%	0	0	0.0%	0	0	0.0%	58,338	65,143	-10.4%
ICE GASOIL BALMO SWAP	U9	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0	0	0	0	0.0%	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 ICI4	ICI	0	-	-	0	-	0	175	-	-	0	-	0	-	-	410	-	-	
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	81	535	-84.9%	0	0	0.0%	0	0	0.0%	1,689	2,340	-27.8%



## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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>																			
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	2,711	1,768	53.3%	0	0	0.0%	0	0	0.0%	10,628	8,705	22.1%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	53	382	-86.1%	0	0	0.0%	0	0	0.0%	193	1,161	-83.4%
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	0.0%	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	0.0%
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	0	18	142	-87.3%	0	0	0.0%	0	0	0.0%	492	522	-5.7%
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	0	3,830	8,420	-54.5%	0	0	0.0%	0	0	0.0%	34,074	38,487	-11.5%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	0	0	0.0%	0	0	0	450	360	25.0%	0	0	0.0%	0	0	0.0%	1,450	1,045	38.8%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	650	425	52.9%	0	0	0.0%	0	0	0.0%	3,925	1,125	248.9%
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%	0	25	-100.0%
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	0	2,345	1,750	34.0%	0	0	0.0%	0	0	0.0%	11,880	8,710	36.4%
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	15	-1	17,273	910	1,798.1%	0	0	0.0%	0	15	-100.0%	36,495	22,085	65.2%
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	2,500	1,560	60.3%	0	0	0.0%	0	0	0.0%	17,045	15,721	8.4%
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	0	0	27,575	11,757	134.5%	0	0	0.0%	0	0	0.0%	142,211	107,759	32.0%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	200	-1	600	650	-7.7%	0	0	0.0%	0	200	-100.0%	2,119	10,415	-79.7%
MCCLOSKY ARA ARGS COAL	MTF	0	0	0.0%	45	0	0	21,607	60,583	-64.3%	0	0	0.0%	414	0	0.0%	127,978	273,221	-53.2%
MCCLOSKY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	3,414	6,017	-43.3%	0	0	0.0%	0	0	0.0%	17,434	31,694	-45.0%
MGF FUT	MGF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	130	197	-34.0%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	80	80	0.0%	0	0	0.0%	0	0	0.0%	463	622	-25.6%
MICHCON NG INDEX SWAP	Y8	-	0	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%	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%	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%	0	3,195	-100.0%
MINI GAS EUROBOB OXY NWE	MEB	0	0	0.0%	0	0	0	314	626	-49.8%	0	0	0.0%	0	0	0.0%	1,703	2,271	-25.0%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	310	943	-67.1%	0	0	0.0%	0	0	0.0%	1,363	2,125	-35.9%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	1,598	2,537	-37.0%	0	0	0.0%	0	0	0.0%	7,815	12,335	-36.6%
MJC FUT	MJC	0	0	0.0%	0	0	0	120	10	1,100.0%	0	0	0.0%	0	0	0.0%	1,090	270	303.7%
MNC FUT	MNC	0	0	0.0%	0	0	0	4,336	4,373	-0.8%	0	0	0.0%	0	0	0.0%	18,823	22,512	-16.4%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	17,247	16,241	6.2%	0	0	0.0%	0	0	0.0%	78,636	149,208	-47.3%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	125	247	-49.4%	0	0	0.0%	0	0	0.0%	780	2,172	-64.1%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	27	30	-0.1	127,602	96,110	32.8%	0	0	0.0%	57	130	-56.2%	664,853	474,471	40.1%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	2,057	1,135	81.2%	0	0	0.0%	0	0	0.0%	16,101	10,211	57.7%

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 MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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 NATURAL GAS	7Q	0	0	0.0%	0	0	0	8,359	3,961	111.0%	0	0	0.0%	0	0	0.0%	47,043	22,794	106.4%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	356	50	612.0%	0	0	0.0%	0	0	0.0%	2,129	1,421	49.8%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	36,322	23,877	52.1%	0	0	0.0%	0	0	0.0%	153,842	147,836	4.1%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	681	388	75.5%	0	0	0.0%	0	0	0.0%	4,500	4,590	-2.0%
NAT GAS BASIS SWAP	TZ6	0	0	0.0%	0	0	0	0	0	0.0%	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	51,919	62,503	-16.9%	0	0	0.0%	0	51	-100.0%	213,609	482,277	-55.7%
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	8,256	0	0.0%	0	0	0.0%	0	0	0.0%	70,176	221,100	-68.3%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0	0	447	2,980	-85.0%	0	0	0.0%	0	0	0.0%	3,862	13,380	-71.1%
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	1,220	780	56.4%	0	0	0.0%	0	0	0.0%	8,681	3,185	172.6%
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	400	-100.0%	0	0	0.0%	0	0	0.0%	400	1,144	-65.0%

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

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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 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%
NGPL TEX/OK	PD	0	0	0.0%	0	0	0	0	760	-100.0%	0	0	0.0%	0	0	0.0%	22,836	1,560	1,363.8%
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	383	825	-53.6%	0	0	0.0%	0	0	0.0%	1,918	3,460	-44.6%
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	84	-100.0%	0	0	0.0%	0	0	0.0%	100	84	19.0%
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	982	-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	475	845	-43.8%	0	0	0.0%	0	0	0.0%	7,576	11,775	-35.7%
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	25	725	-96.6%	0	0	0.0%	0	0	0.0%	1,000	2,985	-66.5%
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%	0	25	-100.0%
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	6	0	0	1,605	2,125	-24.5%	0	0	0.0%	46	3	1,433.3%	7,510	12,175	-38.3%
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	175	775	-77.4%	0	0	0.0%	0	0	0.0%	2,650	2,948	-10.1%
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	1,687	2,182	-22.7%	0	0	0.0%	0	0	0.0%	6,223	15,862	-60.8%
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	1,155	1,020	13.2%	0	0	0.0%	0	0	0.0%	6,332	8,375	-24.4%
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	20	0	0.0%	0	0	0.0%	0	0	0.0%	164	207	-20.8%
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	101	50	102.0%	0	0	0.0%	0	0	0.0%	407	1,430	-71.5%
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	89	300	-70.3%	0	0	0.0%	0	0	0.0%	197	1,060	-81.4%
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	110	-100.0%	0	0	0.0%	0	0	0.0%	0	6,815	-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	110	-100.0%	0	0	0.0%	0	0	0.0%	0	110	-100.0%

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

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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 G 5MW D AH O P	D2	0	0	0.0%	0	0	0	158,984	61,680	157.8%	0	0	0.0%	0	0	0.0%	551,334	320,880	71.8%
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	0	11,264	11,040	2.0%	0	0	0.0%	0	0	0.0%	16,774	35,590	-52.9%
NYISO ZONE J 5MW D AH O P	D4	0	0	0.0%	0	0	0	0	46,800	-100.0%	0	0	0.0%	0	0	0.0%	0	179,800	-100.0%
NYISO ZONE J 5MW D AH PK	D3	0	0	0.0%	0	0	0	0	7,650	-100.0%	0	0	0.0%	0	0	0.0%	0	16,995	-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	134	317	-57.7%	0	0	0.0%	0	0	0.0%	134	7,364	-98.2%
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	55	-100.0%	0	0	0.0%	0	0	0.0%	10	195	-94.9%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0	0	0	110	-100.0%	0	0	0.0%	0	0	0.0%	0	650	-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	0	0.0%	0	0	0.0%	0	0	0.0%	0	214	-100.0%
PETROCHEMICALS	22	0	0	0.0%	0	0	0	209	102	104.9%	0	0	0.0%	0	0	0.0%	861	408	111.0%
PETROCHEMICALS	32	0	0	0.0%	0	0	0	183	92	98.9%	0	0	0.0%	0	0	0.0%	1,033	596	73.3%
PETROCHEMICALS	51	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0.0%	23	-	-
PETROCHEMICALS	8I	0	0	0.0%	0	0	0	1,336	363	268.0%	0	0	0.0%	0	0	0.0%	4,895	3,186	53.6%
PETROCHEMICALS	91	0	0	0.0%	0	0	0	266	127	109.4%	0	0	0.0%	0	0	0.0%	2,540	1,076	136.1%
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	525	-	-	0	-	0	-	-	0.0%	3,970	-	-
PETROCHEMICALS	LPE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROCHEMICALS	MAA	0	-	-	0	-	0	50	-	-	0	-	0	-	-	0.0%	50	-	-
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	210	10	2,000.0%	0	0	0.0%	0	0	0.0%	980	20	4,800.0%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	0	85	30	183.3%	0	0	0.0%	0	0	0.0%	535	145	269.0%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	0	750	1,210	-38.0%	0	0	0.0%	0	0	0.0%	4,300	5,245	-18.0%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	2,704	2,868	-5.7%	0	0	0.0%	0	0	0.0%	11,481	6,470	77.4%
PETROCHEMICALS	MPS	0	0	0.0%	0	0	0	115	10	1,050.0%	0	0	0.0%	0	0	0.0%	460	10	4,500.0%
PETRO CRCKS & SPRDS ASIA	JNC	0	-	-	0	-	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%

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

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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 CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0	0	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	150	-100.0%	0	0	0.0%	0	0	0.0%	409	150	172.7%	
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	560	170	229.4%	0	0	0.0%	0	0	0.0%	1,605	780	105.8%	
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	3,507	2,582	35.8%	0	0	0.0%	0	0	0.0%	14,974	14,340	4.4%	
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	25	600	-95.8%	0	0	0.0%	0	0	0.0%	4,525	4,090	10.6%	
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	2,975	200	1,387.5%	0	0	0.0%	0	0	0.0%	5,820	3,405	70.9%	
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	340	125	172.0%	0	0	0.0%	0	0	0.0%	1,290	800	61.3%	
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	1,529	1,966	-22.2%	0	0	0.0%	0	0	0.0%	7,422	7,461	-0.5%	
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	21	0	0.0%	0	0	0.0%	0	0	0.0%	142	0	0.0%	
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	16,281	5,809	180.3%	0	0	0.0%	0	0	0.0%	66,723	34,897	91.2%	
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	25	50	-50.0%	0	0	0.0%	0	0	0.0%	25	535	-95.3%	
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	390	1,540	-74.7%	0	0	0.0%	0	0	0.0%	6,176	12,302	-49.8%	
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	75	-100.0%	
PETRO CRCKS & SPRDS NA	MFR	-	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%	50	86	-41.9%	
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	600	-100.0%	
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%	
PETRO CRCKS & SPRDS NA	RBB	0	0	0.0%	0	0	10,074	11,069	-9.0%	0	0	0.0%	0	0	0.0%	28,305	47,279	-40.1%	
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	23,359	11,786	98.2%	0	0	0.0%	0	0	0.0%	92,460	78,357	18.0%	
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	33	0	0.0%	0	0	0.0%	0	0	0.0%	267	6	4,350.0%	
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	1,420	780	82.1%	0	0	0.0%	0	0	0.0%	9,959	6,631	50.2%	
PETRO CRK&SPRD EURO	1ND	0	-	-	0	-	0	-	-	0	-	-	0	-	-	100	-	-	
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	161	355	-54.6%	0	0	0.0%	0	0	0.0%	1,979	1,261	56.9%	
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%	
PETRO CRK&SPRD EURO	BOB	0	0	0.0%	0	0	2,557	2,173	17.7%	0	0	0.0%	0	0	0.0%	10,344	11,724	-11.8%	
PETRO CRK&SPRD EURO	EGB	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
PETRO CRK&SPRD EURO	EGN	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	66	0	0.0%	0	0	0.0%	0	0	0.0%	174	68	155.9%	
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	1,032	473	118.2%	0	0	0.0%	0	0	0.0%	5,202	2,003	159.7%	
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	3,646	2,350	55.1%	0	0	0.0%	0	0	0.0%	11,472	15,232	-24.7%	
PETRO CRK&SPRD EURO	FBT	-	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%	30	0	0.0%	
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	155	275	-43.6%	0	0	0.0%	0	0	0.0%	530	675	-21.5%	
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	84	35	140.0%	

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

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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	MGB	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	10	40	-75.0%	0	0	0.0%	0	0	0.0%	133	686	-80.6%	
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	6	25	-76.0%	0	0	0.0%	0	0	0.0%	102	89	14.6%	
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	1,799	976	84.3%	0	0	0.0%	0	0	0.0%	8,872	5,474	62.1%	
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	0.0%	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%	
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%	
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	2,486	2,415	2.9%	0	0	0.0%	0	0	0.0%	24,685	15,512	59.1%	
PETROLEUM PRODUCTS	MBS	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	20	-100.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%	
PETROLEUM PRODUCTS	MHE	-	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	20	-100.0%	0	0	0.0%	0	0	0.0%	30	20	50.0%	
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%	
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	250	95	163.2%	0	0	0.0%	0	0	0.0%	853	799	6.8%	
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	20	34	-41.2%	0	0	0.0%	0	0	0.0%	394	96	310.4%	
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	1,764	2,171	-18.7%	0	0	0.0%	0	0	0.0%	11,246	9,607	17.1%	
PETROLEUM PRODUCTS ASIA	MSB	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%	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%	
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	1,862	2,313	-19.5%	0	0	0.0%	0	0	0.0%	6,695	12,955	-48.3%	
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	30	378	-92.1%	0	0	0.0%	0	0	0.0%	149	2,996	-95.0%	
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	728	1,316	-44.7%	0	0	0.0%	0	0	0.0%	3,163	7,079	-55.3%	
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	12	-100.0%	0	0	0.0%	0	0	0.0%	15	60	-75.0%	
PETRO OUTRIGHT EURO	33	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	45	77	-41.6%	0	0	0.0%	0	0	0.0%	134	411	-67.4%	
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	0	0.0%	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	2	-100.0%	
PETRO OUTRIGHT EURO	7I	0	0	0.0%	0	0	33	121	-72.7%	0	0	0.0%	0	0	0.0%	462	530	-12.8%	
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	380	223	70.4%	0	0	0.0%	0	0	0.0%	1,610	1,060	51.9%	
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0	0	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%	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%	
PETRO OUTRIGHT EURO	CPB	0	0	0.0%	0	0	496	110	350.9%	0	0	0.0%	0	0	0.0%	2,983	1,803	65.4%	
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	0	8	0	0.0%	0	0	0.0%	0	0	0.0%	101	270	-62.6%	

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

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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 OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	296	-100.0%
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	65	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	6	-100.0%
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	619	508	21.9%	0	0	0.0%	0	0	0.0%	3,441	3,627	-5.1%
PETRO OUTRIGHT EURO	FBD	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	30	-100.0%	0	0	0.0%	0	0	0.0%	161	150	7.3%
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	1,092	1,155	-5.5%	0	0	0.0%	0	0	0.0%	6,591	3,673	79.4%
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	40	-100.0%	0	0	0.0%	0	0	0.0%	328	40	720.0%
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0	9	0	0.0%	0	0	0.0%	0	0	0.0%	9	110	-91.8%
PETRO OUTRIGHT EURO	ULB	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	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%
PETRO OUTRIGHT EURO	X0	-	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	254	204	24.5%	0	0	0.0%	0	0	0.0%	503	758	-33.6%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0	0	0	0.0%	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%
PETRO OUTRIGHT NA	GUD	-	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	132	-100.0%	0	0	0.0%	0	0	0.0%	69	150	-54.0%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	1,800	2,195	-18.0%	0	0	0.0%	0	0	0.0%	11,480	20,547	-44.1%
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	2,460	300	720.0%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	30	0	0.0%	0	0	0.0%	0	0	0.0%	40	135	-70.4%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	264	646	-59.1%	0	0	0.0%	0	0	0.0%	1,494	3,693	-59.5%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	4,709	10,013	-53.0%	0	0	0.0%	0	0	0.0%	20,122	56,892	-64.6%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	70	25	180.0%	0	0	0.0%	0	0	0.0%	100	25	300.0%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	53	-100.0%	0	0	0.0%	0	0	0.0%	55	416	-86.8%
PETRO OUTRIGHT NA	NYT	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%
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%	28,032	264,125	-89.4%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	220	-100.0%	0	0	0.0%	0	0	0.0%	7,513	18,930	-60.3%
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%
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%
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%
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%
PJM ATSI ELEC	MOD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	46,800	-100.0%

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

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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 ATSI ELEC	MPD	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%	
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%	
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	85,390	-100.0%	
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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	4,645	-100.0%	0	0	0.0%	0	0	0.0%	5,100	73,410	-93.1%	
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	0	19,220	-100.0%	0	0	0.0%	0	0	0.0%	0	1,592,450	-100.0%	
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0	0	3,680	-100.0%	0	0	0.0%	0	0	0.0%	0	661,967	-100.0%	
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	0	1,275	-100.0%	0	0	0.0%	0	0	0.0%	22	37,751	-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%	
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%	
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0	0	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	0	0	0.0%	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	0	97,720	-59.5%	0	0	0.0%	0	0	0.0%	270,800	1,458,195	-81.4%	
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	0	1,715	-95.7%	0	0	0.0%	0	0	0.0%	36,169	126,414	-71.4%	
PLASTICS	PGP	0	0	0.0%	0	0	0	410	-13.7%	0	0	0.0%	0	0	0.0%	1,932	2,593	-25.5%	
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	112	17.9%	0	0	0.0%	0	0	0.0%	1,438	326	341.1%	
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	84	29.2%	0	0	0.0%	0	0	0.0%	249	100	149.0%	
PREM UNL GAS 10PPM RDAM F	7N	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	80	7	1,042.9%	
PREM UNL GAS 10PPM RDAM F	7L	0	0	0.0%	0	0	0	54	5	980.0%	0	0	0.0%	0	0.0%	64	37	73.0%	
PROPANE NON-LDH (OPIS)	1S	0	0	0.0%	0	0	0	405	45	800.0%	0	0	0.0%	0	0.0%	2,656	3,496	-24.0%	
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	18,252	4,477	307.7%	0	0	0.0%	0	0.0%	60,943	41,147	48.1%	
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	5	-1	4,767	5,738	-16.9%	0	0	0.0%	0	5	-100.0%	22,250	35,132	-36.7%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	2,710	100	2,610.0%	0	0	0.0%	0	0	0.0%	7,178	2,079	245.3%

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

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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 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	1,526	1,704	-10.4%	0	0	0.0%	0	0	0.0%	6,788	4,117	64.9%	
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%	
RBOB (PLATTS) CAL SWAP	RY	-	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%	
RBOB UP-DOWN CALENDAR S	RV	-	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	1,220	-100.0%	0	0	0.0%	0	0	0.0%	1,150	10,805	-89.4%	
ROCKIES KERN OPAL - NW IN	IR	-	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	0.0%	0	0	0.0%	0	0	0.0%	31	214	-85.5%	
SAN JUAN PIPE SWAP	XX	0	-	-	0	-	0	-	-	0	-	-	0	-	-	360	-	-	
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	113	70	61.4%	0	0	0.0%	0	0	0.0%	295	312	-5.4%	
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	579	261	121.8%	0	0	0.0%	0	0	0.0%	988	1,108	-10.8%	
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	12,793	9,536	34.2%	0	0	0.0%	0	0	0.0%	40,314	59,787	-32.6%	
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	1,798	760	136.6%	0	0	0.0%	0	0	0.0%	5,162	6,157	-16.2%	
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	758	859	-11.8%	0	0	0.0%	0	0	0.0%	4,898	4,452	10.0%	
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	90	120	-25.0%	0	0	0.0%	0	0	0.0%	358	773	-53.7%	
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	4,448	4,530	-1.8%	0	0	0.0%	0	0	0.0%	24,778	25,189	-1.6%	
SINGAPORE GASOIL	STL	-	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	300	-100.0%	0	0	0.0%	0	0	0.0%	4,300	700	514.3%	
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	180	145	24.1%	0	0	0.0%	0	0	0.0%	4,099	1,719	138.5%	
SINGAPORE GASOIL CALEND A	SGG	0	-	-	0	-	0	-	-	0	-	-	0	-	-	325	-	-	
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	1	17	-0.94	1,315	8,881	-85.2%	0	0	0.0%	2	30	-93.3%	22,481	53,818	-58.2%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	12,675	2,954	329.1%	0	0	0.0%	0	0	0.0%	86,735	47,229	83.6%	
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	155	-100.0%	0	0	0.0%	0	0	0.0%	165	412	-60.0%	
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	3,225	1,975	63.3%	0	0	0.0%	0	0	0.0%	22,520	11,555	94.9%	
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	550	1,115	-50.7%	0	0	0.0%	0	0	0.0%	5,395	6,884	-21.6%	
SINGAPORE JET KERO VS. GAS	ZO	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	650	761	-14.6%	0	0	0.0%	0	0	0.0%	2,313	1,183	95.5%	
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	1	4	-0.75	8,579	2,892	196.6%	0	0	0.0%	2	5	-60.0%	72,282	37,436	93.1%
SINGAPORE NAPHTHA BALMO	KU	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	

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

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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>																			
SINGAPORE NAPHTHA SWAP	SP	0	-	-	0	-	0	-	-	0	-	-	0	-	-	200	-	-	
SING FUEL	MSD	0	0	0.0%	0	0	0	10	5	100.0%	0	0	0.0%	0	0	0.0%	65	40	62.5%
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%
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	0.0%
SOUTHERN NAT LA NAT GAS	M8	-	0	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	0.0%
Sumas Basis Swap	NK	0	0	0.0%	0	0	0	0	1,029	-100.0%	0	0	0.0%	0	0	0.0%	91	4,685	-98.1%
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	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	-	-	0	-	0	-	-	-	0	-	-	-	-	548	-	-	
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	240	0	0.0%
TCO BASIS SWAP	TC	0	0	0.0%	0	0	0	0	186	-100.0%	0	0	0.0%	0	0	0.0%	0	7,402	-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	0.0%
TD3 MEG TO JAPAN 250K MT	TL	0	-	-	0	-	945	-	-	-	0	-	-	-	-	2,910	-	-	
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%
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%	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	0.0%
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	0.0%
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	0.0%
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	0.0%
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%	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	0.0%
Transco Zone 3 Basis	CZ	0	0	0.0%	0	0	0	0	0	0.0%	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	0	0	0.0%	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	0	0	0.0%	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	0	0	0.0%	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%	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%	0	856	-100.0%
UCM FUT	UCM	0	0	0.0%	0	0	0	0	89	-100.0%	0	0	0.0%	0	0	0.0%	50	170	-70.6%
ULSD 10PPM CIF MED BALMO	X7	-	0	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	0	5	-100.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	14	21	-33.3%
ULSD 10PPM CIF NW BALMO S	B1	0	-	-	0	-	0	-	-	-	0	-	-	-	-	0	-	-	
ULSD 10PPM CIF VS ICE GAS	7V	-	0	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	0	7,275	3,380	115.2%	0	0	0.0%	0	0	0.0%	27,040	20,485	32.0%



## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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>																			
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	32,294	40,018	-19.3%	0	0	0.0%	0	0	0.0%	171,146	213,496	-19.8%
USGC UNL 87 CRACK SPREAD	RU	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
WAHA BASIS	NW	0	0	0.0%	0	0	0	276	0	0.0%	0	0	0.0%	0	0	0.0%	3,201	882	262.9%
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	0.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0	0	0	1,425	-100.0%	0	0	0.0%	0	0	0.0%	15	2,160	-99.3%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	0	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	0	0	39,023	3,196	1,121.0%	0	0	0.0%	0	120	-100.0%	191,197	35,893	432.7%
WTI CALENDAR	CS	0	0	0.0%	0	0	0	28,973	32,447	-10.7%	0	0	0.0%	0	0	0.0%	182,526	181,896	0.3%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	4,393	480	815.2%	0	0	0.0%	0	0	0.0%	40,260	17,139	134.9%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	90	0	0.0%	0	0	0.0%	0	0	0.0%	1,362	2,410	-43.5%
<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	400	390	2.6%	0	0	0.0%	0	0	0.0%	1,540	2,372	-35.1%
BRENT CRUDE OIL 12 M CSO	9Y	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	2,000	-	-
BRENT CRUDE OIL 1 M CSO	9C	0	-	-	500	-	61,130	-	-	-	0	-	-	2,300	-	-	314,074	-	-
BRENT CRUDE OIL 6 M CSO	9L	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	1,000	-	-
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	55,880	250	22,252.0%	0	0	0.0%	0	0	0.0%	142,044	14,930	851.4%
BRENT OIL LAST DAY	BZO	0	0	0.0%	49,587	7,538	5.58	88,173	35,083	151.3%	0	0	0.0%	206,495	22,543	816.0%	386,114	93,933	311.1%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0	0	0	1,000	-100.0%	0	0	0.0%	40	48	-16.7%	1,000	2,000	-50.0%
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	890	550	61.8%	0	0	0.0%	0	0	0.0%	3,855	5,881	-34.4%
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	955	30	3,083.3%	0	0	0.0%	0	0	0.0%	2,005	610	228.7%
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%	10,500	3,905	1.69	287,950	197,014	46.2%	0	0	0.0%	81,110	85,958	-5.6%	968,600	778,714	24.4%
CRUDE OIL APO	AO	0	0	0.0%	135	0	0	66,360	26,350	151.8%	0	0	0.0%	301	40	652.5%	295,110	164,228	79.7%
CRUDE OIL CALNDR STRIP	6F	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	170	-	-

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 MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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 OUTRIGHTS	AH	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%	
CRUDE OIL OUTRIGHTS	WCI	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
CRUDE OIL PHY	CD	0	0	0.0%	0	0	10,275	2,950	248.3%	0	0	0.0%	0	0	0.0%	17,300	9,510	81.9%	
CRUDE OIL PHY	LC	0	0	0.0%	24	0	9,780	43,660	-77.6%	0	0	0.0%	724	9	7,944.4%	62,371	177,590	-64.9%	
CRUDE OIL PHY	LO	0	0	0.0%	3,213,736	4,034,197	-0.2	721,646	1,276,517	-43.5%	0	0	0.0%	15,427,647	15,951,861	-3.3%	3,425,548	4,207,388	-18.6%
CRUDE OIL PHY	LO1	0	0	0.0%	24,883	23,629	25	0	0.0%	0	0	0.0%	72,995	60,337	21.0%	75	100	-25.0%	
CRUDE OIL PHY	LO2	0	0	0.0%	23,482	18,012	100	50	100.0%	0	0	0.0%	78,795	50,146	57.1%	150	200	-25.0%	
CRUDE OIL PHY	LO3	0	0	0.0%	8,880	12,193	0	0	0.0%	0	0	0.0%	56,470	41,523	36.0%	325	200	62.5%	
CRUDE OIL PHY	LO4	0	0	0.0%	22,608	28,646	0	0	0.0%	0	0	0.0%	80,449	75,061	7.2%	50	0	0.0%	
CRUDE OIL PHY	LO5	0	0	0.0%	62	0	0	0	0.0%	0	0	0.0%	13,114	13,633	-3.8%	225	0	0.0%	
ELEC FINSETTLED	PML	-	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	820	-100.0%	
ETHANOL	CE1	0	0	0.0%	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	275	75	266.7%	
ETHANOL	CE3	0	0	0.0%	0	0	150	0	0.0%	0	0	0.0%	0	0	0.0%	150	300	-50.0%	
ETHANOL SWAP	CVR	0	0	0.0%	0	0	10,285	4,334	137.3%	0	0	0.0%	0	0	0.0%	42,152	26,041	61.9%	
ETHANOL SWAP	GVR	0	0	0.0%	0	0	90	150	-40.0%	0	0	0.0%	0	0	0.0%	1,773	920	92.7%	
EURO-DENOMINATED PETRO P	NWE	-	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%	
GASOLINE	GCE	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	-	-	
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%	
HEATING OIL PHY	LB	0	0	0.0%	0	6	620	0	0.0%	0	0	0.0%	0	6	-100.0%	620	900	-31.1%	
HEATING OIL PHY	OH	0	0	0.0%	4,712	6,051	21,204	46,830	-54.7%	0	0	0.0%	32,185	24,442	31.7%	128,240	134,182	-4.4%	
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	3,411	3,342	2.1%	0	0	0.0%	5	0	0.0%	17,854	19,483	-8.4%	
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,300	-100.0%	
HUSTN SHIP CHNL PIPE SWP	PK	-	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%	100	5,100	-98.0%	
LLS CRUDE OIL	YVO	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
MCCLOSKEY ARA ARGS COAL	MTO	0	0	0.0%	0	0	135	210	-35.7%	0	0	0.0%	0	0	0.0%	225	750	-70.0%	
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0	150	0	0.0%	0	0	0.0%	0	0	0.0%	1,875	0	0.0%	
NATURAL GAS	G10	0	0	0.0%	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	0	450	-100.0%	
NATURAL GAS 1 M CSO FIN	G4	0	0	0.0%	0	0	10,250	72,225	-85.8%	0	0	0.0%	1	0	0.0%	222,941	237,925	-6.3%	
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	550	-100.0%	0	0	0.0%	0	0	0.0%	0	3,300	-100.0%	

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

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<b>Energy Options</b>																			
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	15,150	24,300	-37.7%	0	0	0.0%	1	0	0.0%	29,445	43,950	-33.0%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,550	4,050	-37.0%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	0	2,000	0	0.0%	0	0	0.0%	0	0	0.0%	65,650	33,870	93.8%
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	900	198	354.5%	0	0	0.0%	0	0	0.0%	19,308	3,998	382.9%
NATURAL GAS PHY	KD	0	0	0.0%	13,505	1,050	11.86	10,040	36,575	-72.5%	0	0	0.0%	72,806	2,394	2,941.2%	42,365	154,210	-72.5%
NATURAL GAS PHY	LN	0	0	0.0%	858,047	1,182,990	-0.27	657,253	1,205,328	-45.5%	0	0	0.0%	5,833,868	4,528,231	28.8%	4,025,523	6,994,690	-42.4%
NATURAL GAS PHY	ON	0	0	0.0%	159,933	187,426	-0.15	7,833	7,300	7.3%	0	0	0.0%	849,688	997,008	-14.8%	55,529	33,520	65.7%
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	736	450	63.6%	0	0	0.0%	0	0	0.0%	736	1,956	-62.4%
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	104	104	0	3,791	3,213	18.0%	0	0	0.0%	261	319	-18.2%	15,377	15,241	0.9%
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	708	172	311.6%	0	0	0.0%	5	0	0.0%	2,836	2,469	14.9%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	0	240	-100.0%	0	0	0.0%	0	0	0.0%	1,350	2,420	-44.2%
PETROCHEMICALS	4K	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	CPR	0	0	0.0%	0	0	0	0	0	0.0%	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	0	80	-100.0%	0	0	0.0%	0	0	0.0%	250	2,620	-90.5%
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	1,064	1,294	-17.8%	0	0	0.0%	0	0	0.0%	5,339	11,213	-52.4%
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	10	-1	55	100	-45.0%	0	0	0.0%	0	10	-100.0%	965	2,125	-54.6%
RBOB PHY	OB	0	0	0.0%	3,900	8,618	-0.55	9,905	28,075	-64.7%	0	0	0.0%	23,229	29,865	-22.2%	37,010	100,414	-63.1%
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	336	360	-6.7%	0	0	0.0%	0	0	0.0%	1,236	1,260	-1.9%
SHORT TERM	U11	0	0	0.0%	1	0	0	650	1,280	-49.2%	0	0	0.0%	1	0	0.0%	950	2,450	-61.2%
SHORT TERM	U12	0	0	0.0%	0	0	0	0	479	-100.0%	0	0	0.0%	85	0	0.0%	450	1,399	-67.8%
SHORT TERM	U13	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	975	-89.7%

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<b>Energy Options</b>																			
SHORT TERM	U14	0	0	0.0%	3	0	0	100	0	0.0%	0	0	0.0%	13	0	0.0%	725	800	-9.4%
SHORT TERM	U15	0	0	0.0%	2	0	0	0	1,130	-100.0%	0	0	0.0%	127	0	0.0%	150	2,745	-94.5%
SHORT TERM	U22	0	0	0.0%	36	0	0	0	350	-100.0%	0	0	0.0%	36	0	0.0%	1,025	800	28.1%
SHORT TERM	U23	0	0	0.0%	0	0	0	0	240	-100.0%	0	0	0.0%	80	0	0.0%	500	860	-41.9%
SHORT TERM	U24	0	0	0.0%	126	0	0	200	490	-59.2%	0	0	0.0%	126	0	0.0%	300	1,720	-82.6%
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	0	40	-100.0%	0	0	0.0%	0	0	0.0%	300	60	400.0%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	225	890	-74.7%	0	0	0.0%	0	0	0.0%	350	2,040	-82.8%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	200	430	-53.5%	0	0	0.0%	75	0	0.0%	1,100	1,285	-14.4%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	0	625	480	30.2%	0	0	0.0%	30	0	0.0%	725	1,370	-47.1%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	25	0	0	100	530	-81.1%	0	0	0.0%	25	0	0.0%	350	730	-52.1%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	80	130	-38.5%	0	0	0.0%	25	0	0.0%	680	730	-6.8%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	0	0	0.0%	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	300	0	0.0%	0	0	0.0%	0	0	0.0%	550	1,675	-67.2%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0	0	150	270	-44.4%	0	0	0.0%	0	0	0.0%	1,375	2,120	-35.1%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	0	380	-100.0%	0	0	0.0%	34	0	0.0%	700	1,760	-60.2%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	500	57	777.2%	0	0	0.0%	0	0	0.0%	700	3,757	-81.4%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	12	0	0	0	480	-100.0%	0	0	0.0%	47	0	0.0%	550	880	-37.5%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	10	0	0	1,750	754	132.1%	0	0	0.0%	80	0	0.0%	2,200	1,909	15.2%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	22	0	0	0	417	-100.0%	0	0	0.0%	22	0	0.0%	500	417	19.9%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0	0	0	350	-100.0%	0	0	0.0%	60	0	0.0%	125	1,155	-89.2%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,525	-100.0%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	3	0	0	200	0	0.0%	0	0	0.0%	3	0	0.0%	200	665	-69.9%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0	0	0	0	0.0%	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	0	0.0%	0	0	0.0%	0	0	0.0%	100	245	-59.2%
SHORT TERM NATURAL GAS	U29	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	400	0	0.0%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	0	0	1,135	-100.0%	0	0	0.0%	0	0	0.0%	100	1,795	-94.4%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0	0	0	1,865	-100.0%	0	0	0.0%	25	0	0.0%	0	5,250	-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%	3,990	880	3.53	92,001	27,742	231.6%	0	0	0.0%	132,811	4,720	2,713.8%	489,668	215,035	127.7%
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	2,200	0	0	80,500	108,900	-26.1%	0	0	0.0%	13,150	0	0.0%	390,600	308,200	26.7%

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

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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%	8,367,130	6,124,763	0.37	309,456	242,607	27.6%	0	0	0.0%	37,232,947	26,508,675	40.5%	1,375,224	961,349	43.1%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	3,628	198	17.32	5,859	6,990	-16.2%	0	0	0.0%	15,653	926	1,590.4%	35,070	18,712	87.4%
NYMEX PLATINUM	PL	0	0	0.0%	378,641	339,987	0.11	13,685	14,276	-4.1%	0	0	0.0%	2,112,649	1,726,742	22.3%	56,683	56,201	0.9%
PALLADIUM	PA	0	0	0.0%	123,276	181,870	-0.32	3,996	9,733	-58.9%	0	0	0.0%	610,676	609,204	0.2%	26,287	32,175	-18.3%
URANIUM	UX	0	0	0.0%	0	15	-1	100	900	-88.9%	0	0	0.0%	79	427	-81.5%	933	2,982	-68.7%
COMEX SILVER	SI	0	0	0.0%	1,658,041	1,854,612	-0.11	44,164	49,913	-11.5%	0	0	0.0%	10,210,927	8,526,442	19.8%	301,663	218,203	38.2%
COMEX E-Mini GOLD	QO	0	0	0.0%	6,960	7,638	-0.09	0	0	0.0%	0	0	0.0%	35,505	46,015	-22.8%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	898	1,092	-0.18	0	0	0.0%	0	0	0.0%	5,857	4,498	30.2%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	2,535,731	1,853,135	0.37	27,207	14,249	90.9%	0	0	0.0%	13,786,712	9,861,305	39.8%	139,552	140,962	-1.0%
COMEX MINY COPPER	QC	0	0	0.0%	363	499	-0.27	0	0	0.0%	0	0	0.0%	2,762	4,113	-32.8%	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	18	-1	2,804	212	1,222.6%	0	0	0.0%	0	78	-100.0%	9,840	15,611	-37.0%
ALUMINUM	ALA	0	0	0.0%	0	0	0	775	50	1,450.0%	0	0	0.0%	0	0	0.0%	3,700	150	2,366.7%
ALUMINUM	ALI	0	0	0.0%	0	180	-1	0	80	-100.0%	0	0	0.0%	0	3,594	-100.0%	0	700	-100.0%
ALUMINUM	AUP	0	0	0.0%	748	151	3.95	7,732	6,128	26.2%	0	0	0.0%	3,952	1,090	262.6%	54,986	39,929	37.7%
ALUMINUM	CUP	0	-	-	0	-	0	0	-	-	0	-	25	-	-	180	-	-	
ALUMINUM	EDP	0	0	0.0%	0	0	0	1,785	1,820	-1.9%	0	0	0.0%	5	2	150.0%	8,472	2,795	203.1%
ALUMINUM	MJP	0	0	0.0%	56	90	-0.38	120	0	0.0%	0	0	0.0%	56	100	-44.0%	7,419	4,648	59.6%
COPPER	HGS	0	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	0	0	0.0%	10,123	923	996.7%
E-MICRO GOLD	MGC	0	0	0.0%	148,719	92,165	0.61	0	0	0.0%	0	0	0.0%	667,871	437,386	52.7%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	21	0	0	1,085	90	1,105.6%	0	0	0.0%	67	35	91.4%	10,233	270	3,690.0%
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%	0	290	-1	0	0	0.0%	0	0	0.0%	136	1,921	-92.9%	0	0	0.0%
IRON ORE 62 CHINA PLATTS FL	PIO	0	0	0.0%	0	0	0	0	220	-100.0%	0	0	0.0%	0	0	0.0%	0	1,512	-100.0%
IRON ORE 62 CHINA TSI FUTUR	TIO	0	0	0.0%	33	186	-0.82	5,316	16,009	-66.8%	0	0	0.0%	59	1,715	-96.6%	19,704	58,506	-66.3%
LNDN ZINC	ZNC	0	0	0.0%	137	15	8.13	0	0	0.0%	0	0	0.0%	177	50	254.0%	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%	5,546	5,780	-0.04	0	0	0.0%	0	0	0.0%	34,814	25,470	36.7%	0	0	0.0%



## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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%	12,674	4,340	1.92	8,626	0	0.0%	0	0	0.0%	71,797	17,593	308.1%	31,719	2,679	1,084.0%
COMEX GOLD	OG	0	0	0.0%	788,716	592,385	0.33	183,908	275,110	-33.2%	0	0	0.0%	3,831,784	3,042,568	25.9%	983,562	959,158	2.5%
COMEX SILVER	SO	0	0	0.0%	121,941	134,750	-0.1	19,216	18,230	5.4%	0	0	0.0%	634,586	502,534	26.3%	97,771	69,106	41.5%
COPPER	H4E	0	-	-	11	-	0	-	-	0	-	-	11	-	-	0	-	-	
GOLD	OG1	0	0	0.0%	11,553	3,924	1.94	600	200	200.0%	0	0	0.0%	51,765	13,530	282.6%	1,460	200	630.0%
GOLD	OG2	0	0	0.0%	10,092	3,808	1.65	300	0	0.0%	0	0	0.0%	39,946	13,046	206.2%	2,970	600	395.0%
GOLD	OG3	0	0	0.0%	11,844	5,761	1.06	150	255	-41.2%	0	0	0.0%	44,926	17,905	150.9%	3,700	1,465	152.6%
GOLD	OG4	0	0	0.0%	4,069	1,267	2.21	0	0	0.0%	0	0	0.0%	26,330	5,930	344.0%	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	140	-100.0%	0	0	0.0%	0	0	0.0%	200	7,972	-97.5%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	0	1,500	-100.0%	0	0	0.0%	0	0	0.0%	1,080	14,185	-92.4%
NYMEX PLATINUM	PO	0	0	0.0%	1,307	1,480	-0.12	1,930	1,555	24.1%	0	0	0.0%	7,105	3,994	77.9%	8,666	9,394	-7.7%
PALLADIUM	PAO	0	0	0.0%	1,337	1,281	0.04	875	4,559	-80.8%	0	0	0.0%	8,967	4,699	90.8%	7,607	14,738	-48.4%
SILVER	SO1	0	0	0.0%	119	241	-0.51	0	0	0.0%	0	0	0.0%	740	464	59.5%	0	0	0.0%
SILVER	SO2	0	0	0.0%	317	0	0	0	0	0.0%	0	0	0.0%	667	140	376.4%	0	0	0.0%
SILVER	SO3	0	0	0.0%	207	382	-0.46	0	0	0.0%	0	0	0.0%	965	562	71.7%	0	0	0.0%
SILVER	SO4	0	0	0.0%	109	51	1.14	0	0	0.0%	0	0	0.0%	474	94	404.3%	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%	0	58	-100.0%	0	0	0.0%	0	0	0.0%	65	153	-57.5%	0	0	0.0%
Energy Futures		0	0	0.0%	49,795,200	46,475,912	7.1%	2,972,100	3,546,452	-16.2%	0	0	0.0%	233,065,592	204,929,991	13.7%	14,911,922	20,834,511	-28.4%
Metals Futures		0	0	0.0%	13,229,928	10,462,684	26.4%	424,134	363,277	16.8%	0	0	0.0%	64,720,929	47,759,788	35.5%	2,060,069	1,555,658	32.4%
<b>TOTAL FUTURES</b>		<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>63,025,128</b>	<b>56,938,654</b>	<b>10.7%</b>	<b>3,396,234</b>	<b>3,909,729</b>	<b>-13.1%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>297,786,586</b>	<b>252,689,932</b>	<b>17.8%</b>	<b>16,971,991</b>	<b>22,390,169</b>	<b>-24.2%</b>
<b>TOTAL OPTIONS GROUP</b>																			
Energy Options		0	0	0.0%	4,401,028	5,515,255	-20.2%	2,237,311	3,168,199	-29.4%	0	0	0.0%	22,979,344	21,888,154	5.0%	11,246,143	13,891,393	-19.0%
Metals Options		0	0	0.0%	964,296	749,670	28.6%	215,605	301,549	-28.5%	0	0	0.0%	4,727,031	3,625,667	30.4%	1,139,985	1,079,597	5.6%
<b>TOTAL OPTIONS</b>		<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>5,365,324</b>	<b>6,264,925</b>	<b>-14.4%</b>	<b>2,452,916</b>	<b>3,469,748</b>	<b>-29.3%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>27,706,375</b>	<b>25,513,821</b>	<b>8.6%</b>	<b>12,386,128</b>	<b>14,970,990</b>	<b>-17.3%</b>

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

Commodity Indicator	Open Outcry MAY 2018	Open Outcry MAY 2017	% CHG	ELEC MAY 2018	ELEC MAY 2017	% CHG	CME ClearPort MAY 2018	CME ClearPort MAY 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%	0	58	-100.0%	0	0	0.0%	0	0	0.0%	65	153	-57.5%	0	0	0.0%
Energy	0	0	0.0%	54,196,228	51,991,167	4.2%	5,209,411	6,714,651	-22.4%	0	0	0.0%	256,044,936	226,818,145	12.9%	26,158,065	34,725,904	-24.7%
Metals	0	0	0.0%	14,194,224	11,212,354	26.6%	639,739	664,826	-3.8%	0	0	0.0%	69,447,960	51,385,455	35.2%	3,200,054	2,635,255	21.4%
<b>GRAND TOTAL</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>68,390,452</b>	<b>63,203,579</b>	<b>8.2%</b>	<b>5,849,150</b>	<b>7,379,477</b>	<b>-20.7%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>325,492,961</b>	<b>278,203,753</b>	<b>17.0%</b>	<b>29,358,119</b>	<b>37,361,159</b>	<b>-21.4%</b>