

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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	
Ag Products Futures																			
COCOA TAS	CJ	0	0	0.0%	0	3	-1	0	0	0.0%	0	0	0.0%	5	86	-94.2%	0	0	0.0%
COFFEE	KT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	40	-100.0%	0	0	0.0%
COTTON	TT	0	0	0.0%	7	0	0	0	0	0.0%	0	0	0.0%	20	16	25.0%	0	0	0.0%
SUGAR 11	YO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	58	42	38.1%	0	0	0.0%
Energy Futures																			
CRUDE OIL PHY	CL	0	0	0.0%	24,007,564	24,481,485	-0.02	499,340	549,197	-9.1%	0	0	0.0%	251,528,141	256,634,849	-2.0%	4,605,612	5,573,243	-17.4%
CRUDE OIL	WS	0	0	0.0%	0	100	-1	0	6,754	-100.0%	0	0	0.0%	89	304	-70.7%	15,550	58,987	-73.6%
MINY WTI CRUDE OIL	QM	0	0	0.0%	469,979	233,943	1.01	0	0	0.0%	0	0	0.0%	3,459,217	2,599,082	33.1%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	2,222,370	1,406,972	0.58	47,417	34,006	39.4%	0	0	0.0%	17,513,713	18,745,600	-6.6%	380,884	229,311	66.1%
HEATING OIL PHY	HO	0	0	0.0%	3,772,259	3,617,837	0.04	193,854	231,775	-16.4%	0	0	0.0%	36,656,073	34,167,290	7.3%	1,866,030	2,375,213	-21.4%
HTG OIL	BH	0	0	0.0%	0	60	-1	12	12	0.0%	0	0	0.0%	0	144	-100.0%	96	196	-51.0%
MINY HTG OIL	QH	0	0	0.0%	4	3	0.33	0	0	0.0%	0	0	0.0%	40	28	42.9%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	4,415,113	3,488,294	0.27	211,189	246,250	-14.2%	0	0	0.0%	40,089,072	39,831,425	0.6%	2,166,374	2,993,666	-27.6%
MINY RBOB GAS	QU	0	0	0.0%	4	4	0	0	0	0.0%	0	0	0.0%	37	43	-14.0%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	44,545	35,812	0.24	62,050	88,613	-30.0%	0	0	0.0%	484,015	355,347	36.2%	642,528	1,046,571	-38.6%
LTD NAT GAS	HH	0	0	0.0%	251,258	142,164	0.77	209,945	123,969	69.4%	0	0	0.0%	2,061,360	1,250,529	64.8%	1,487,223	1,660,086	-10.4%
MINY NATURAL GAS	QG	0	0	0.0%	47,272	24,478	0.93	0	0	0.0%	0	0	0.0%	274,838	243,223	13.0%	36	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%	11,979,420	10,293,023	0.16	284,471	290,233	-2.0%	0	0	0.0%	89,398,685	84,984,614	5.2%	2,786,773	2,900,060	-3.9%
RBOB GAS	RT	0	0	0.0%	0	0	0	12	2,192	-99.5%	0	0	0.0%	0	0	0.0%	14,386	24,696	-41.7%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	40	48	-16.7%	0	0	0.0%	0	0	0.0%	612	965	-36.6%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	95	175	-45.7%
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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Energy Futures																			
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	0	0	0	23,356	23,165	0.8%	0	0	0.0%	30	60	-50.0%	222,765	104,732	112.7%
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	7,829	3,201	144.6%	0	0	0.0%	0	0	0.0%	59,924	24,530	144.3%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	3,203	1,194	168.3%	0	0	0.0%	0	0	0.0%	28,419	10,390	173.5%
AUSTRIALIAN COKE COAL	ACT	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	-	-	-
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,003	-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%	285	578	-50.7%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	5,313	2,239	137.3%	0	0	0.0%	0	0	0.0%	36,112	28,188	28.1%
BRENT CFD SWAP	6W	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	300	-	-
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	3,600	1,022	252.3%	0	0	0.0%	0	0	0.0%	19,864	42,033	-52.7%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	127	0	0.0%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	224	278	-19.4%
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	30	-100.0%	0	0	0.0%	0	0	0.0%	0	7,344	-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	-	-	0	-	3,102	-	-	0	-	-	-
CEU ENERGY	TTF	0	-	-	242	-	0	-	-	-	0	-	14,386	-	-	10	-	-	-
CEU ENERGY	UKG	0	-	-	327	-	0	-	-	-	0	-	46,231	-	-	150	-	-	-
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	75	1,347	-0.94	77,721	130,484	-40.4%	0	0	0.0%	2,005	3,583	-44.0%	965,386	1,134,100	-14.9%
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	325	45	622.2%	0	0	0.0%	0	0	0.0%	4,075	1,483	174.8%
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%	950	0	0.0%
CIG BASIS	CI	0	0	0.0%	0	0	0	25	0	0.0%	0	0	0.0%	0	0	0.0%	221	726	-69.6%
CIG ROCKIES NG INDEX SWA	Z8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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	326,080	-100.0%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	0	0	846	508	66.5%	0	0	0.0%	0	0	0.0%	11,838	17,693	-33.1%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	397,000	-100.0%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0	0	0	210	-100.0%	0	0	0.0%	0	0	0.0%	1,505	25,625	-94.1%
COAL SWAP	ACM	0	0	0.0%	0	0	0	0	110	-100.0%	0	0	0.0%	0	0	0.0%	510	1,605	-68.2%

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Energy Futures																		
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	999	-100.0%
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	1,332	-100.0%
CONWAY NATURAL GASOLINE	8L	0	0	0.0%	5	0	109	263	-58.6%	0	0	0.0%	5	0	0.0%	1,733	2,830	-38.8%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	90	605	-85.1%	0	0	0.0%	0	0	0.0%	2,761	7,965	-65.3%
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	0	3	16,869	7,333	130.0%	0	0	0.0%	32	54	-40.7%	161,242	88,413	82.4%
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	3,450	4,509	-23.5%	0	0	0.0%	0	203	-100.0%	45,385	39,052	16.2%
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	223	0	0.0%	0	0	0.0%	0	0	0.0%	2,485	5,647	-56.0%
CRUDE OIL OUTRIGHTS	CC5	0	0	0.0%	0	0	210	0	0.0%	0	0	0.0%	0	0	0.0%	300	600	-50.0%
CRUDE OIL OUTRIGHTS	CPD	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	350	-100.0%	0	0	0.0%	0	0	0.0%	2,285	2,550	-10.4%
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	99	1,625	-93.9%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	330	-100.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	0	0	0	45	-100.0%	0	0	0.0%	0	0	0.0%	105	155	-32.3%
CRUDE OIL OUTRIGHTS	HTT	0	0	0.0%	0	0	53,916	44,615	20.8%	0	0	0.0%	0	0	0.0%	491,448	167,385	193.6%
CRUDE OIL OUTRIGHTS	LSW	0	0	0.0%	0	0	15	1,575	-99.0%	0	0	0.0%	0	0	0.0%	335	2,910	-88.5%
CRUDE OIL OUTRIGHTS	SSW	0	0	0.0%	0	0	0	90	-100.0%	0	0	0.0%	0	0	0.0%	0	960	-100.0%
CRUDE OIL OUTRIGHTS	UMD	0	-	-	0	-	0	-	-	0	-	-	0	-	-	4,800	-	-
CRUDE OIL OUTRIGHTS	UNS	0	-	-	0	-	0	-	-	0	-	-	0	-	-	7,554	-	-
CRUDE OIL OUTRIGHTS	WCC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	24,737	-100.0%
CRUDE OIL OUTRIGHTS	WCW	0	0	0.0%	0	0	2,495	8,296	-69.9%	0	0	0.0%	0	0	0.0%	62,856	55,711	12.8%
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%	2,055	0	0.0%
CRUDE OIL SPRDS	WTT	0	0	0.0%	0	0	8,438	35,045	-75.9%	0	0	0.0%	0	50	-100.0%	404,560	97,629	314.4%
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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Energy Futures																			
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	1,400	-100.0%	
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0	150	500	-70.0%	0	0	0.0%	0	0	0.0%	3,360	14,050	-76.1%	
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%	
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	93	-100.0%	0	0	0.0%	0	0	0.0%	126	48,609	-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	47,370	4,950	857.0%	0	0	0.0%	0	0	0.0%	84,502	77,774	8.7%	
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	0	105	-100.0%	0	0	0.0%	0	0	0.0%	245	4,840	-94.9%	
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	187	1,255	-85.1%	
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	308	361	-14.7%	0	0	0.0%	0	0	0.0%	2,857	7,528	-62.0%	
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	3,825	-100.0%	
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%	

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Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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	
Energy Futures																			
ELEC NYISO OFF-PEAK	4M	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	70,200	-100.0%	
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	690	-100.0%	
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ERCOT HOUSTON Z MCPE 5M	I1	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,950	3,880	-49.7%	
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	40,000	-100.0%	0	0	0.0%	0	0	0.0%	19,600	75,920	-74.2%	
ERCOT NORTH ZMCPE 5MW PE	I5	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5,050	4,710	7.2%	
ETHANOL SWAP	MT2	0	-	0	-	-	70	-	-	0	-	-	0	-	-	400	-	-	
ETHANOL T2 FOB ROTT INCL D	Z1	0	0.0%	0	0	0	4,996	4,787	4.4%	0	0	0.0%	0	0	0.0%	31,351	38,486	-18.5%	
EURO 1% FUEL OIL NEW BALM	KX	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	33	18	83.3%	
EURO 3.5% FUEL OIL RDAM B	KR	0	0.0%	0	0	0	162	242	-33.1%	0	0	0.0%	0	0	0.0%	5,439	4,137	31.5%	
EURO 3.5% FUEL OIL SPREAD	FK	0	0.0%	0	0	0	6	0	0.0%	0	0	0.0%	0	0	0.0%	840	4,286	-80.4%	
EURO-DENOMINATED PETRO P	NCP	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	640	1,514	-57.7%	
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%	370	425	-12.9%	
EUROPE 1% FUEL OIL NWE CA	UF	0	0.0%	0	0	0	60	20	200.0%	0	0	0.0%	0	0	0.0%	426	709	-39.9%	
EUROPE 1% FUEL OIL RDAM C	UH	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	39	-92.3%	
EUROPE 3.5% FUEL OIL MED	UI	0	0.0%	0	0	0	159	168	-5.4%	0	0	0.0%	0	0	0.0%	987	1,381	-28.5%	
EUROPE 3.5% FUEL OIL RDAM	UV	0	0.0%	0	0	0	3,333	5,079	-34.4%	0	0	0.0%	0	0	0.0%	73,890	69,388	6.5%	
EUROPEAN GASOIL (ICE)	7F	0	0.0%	1,354	863	0.57	0	0	0.0%	0	0	0.0%	5,675	29,272	-80.6%	0	58	-100.0%	
EUROPEAN NAPHTHA BALMO	KZ	0	0.0%	0	0	0	447	187	139.0%	0	0	0.0%	0	0	0.0%	2,855	3,521	-18.9%	
EUROPEAN NAPHTHA CRACK SF	EN	0	0.0%	0	0	0	15,958	4,039	295.1%	0	0	0.0%	0	0	0.0%	94,868	67,788	39.9%	
EUROPE DATED BRENT SWAP	UB	0	0.0%	0	0	0	1,110	0	0.0%	0	0	0.0%	0	0	0.0%	2,200	2,540	-13.4%	
EUROPE JET KERO NWE CALS	UJ	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	39	105	-62.9%	
EUROPE NAPHTHA CALSWAP	UN	0	0.0%	0	0	0	5,204	2,273	128.9%	0	0	0.0%	0	0	0.0%	35,492	27,744	27.9%	
EURO PROPANE CIF ARA SWA	PS	0	0.0%	0	0	0	2,914	1,560	86.8%	0	0	0.0%	0	0	0.0%	18,267	12,535	45.7%	
FL GAS ZONE 3 NAT GAS IND	Q9	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	

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Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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	
Energy Futures																			
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	565	166	240.4%	0	0	0.0%	0	0	0.0%	1,848	1,604	15.2%	
FREIGHT MARKETS	FRC	0	-	-	0	-	0	-	-	0	-	-	0	-	-	600	-	-	
FREIGHT MARKETS	FRS	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
FREIGHT MARKETS	T2D	0	-	-	0	-	960	-	-	0	-	-	0	-	-	3,458	-	-	
FREIGHT MARKETS	TC6	0	-	-	0	-	0	-	-	0	-	-	0	-	-	240	-	-	
FREIGHT MARKETS	TD3	0	-	-	0	-	0	-	-	0	-	-	0	-	-	30	-	-	
FREIGHT MARKETS	TD8	0	-	-	0	-	150	-	-	0	-	-	0	-	-	150	-	-	
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	2,815	3,161	-10.9%	0	0	0.0%	0	0	0.0%	36,060	37,811	-4.6%	
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	20	-100.0%	0	0	0.0%	0	0	0.0%	154	20	670.0%	
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	120	0	0.0%	
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	96	137	-29.9%	0	0	0.0%	0	0	0.0%	2,114	2,803	-24.6%	
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	7,156	4,211	69.9%	0	0	0.0%	0	0	0.0%	76,264	65,628	16.2%	
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	21,056	15,154	38.9%	0	0	0.0%	0	0	0.0%	185,372	191,346	-3.1%	
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	24	-100.0%	0	0	0.0%	0	0	0.0%	10	174	-94.3%	
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	15	10	50.0%	0	0	0.0%	0	0	0.0%	1,470	110	1,236.4%	
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	25	-100.0%	
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	712	-98.3%	
GASOIL BULLET SWAP	BG	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	130	-100.0%	
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	54	244	-77.9%	
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	100	2,373	-95.8%	0	0	0.0%	0	0	0.0%	37,502	67,768	-44.7%	
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	312	50	524.0%	0	0	0.0%	0	0	0.0%	2,024	1,350	49.9%	
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	205	125	64.0%	
GROUP THREE UNLEAD GAS (P	A9	0	-	-	0	-	0	-	-	0	-	-	0	-	-	425	-	-	
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	3,515	5,710	-38.4%	0	0	0.0%	0	0	0.0%	35,433	42,295	-16.2%	

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Energy Futures																		
GRP THREE UNL GS (PLT) VS	A8	0	0.0%	0	0	0	3,485	2,410	44.6%	0	0	0.0%	0	0	0.0%	21,607	10,134	113.2%
GULF COAST 3% FUEL OIL BA	VZ	0	0.0%	0	0	0	1,162	531	118.8%	0	0	0.0%	0	0	0.0%	12,899	11,605	11.2%
GULF COAST GASOLINE CLND	GS	-	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	0	0.0%	0	0	0.0%	0	0	0.0%	1,195	943	26.7%
GULF COAST JET VS NYM 2 H	ME	0	0.0%	0	0	0	22,133	26,746	-17.2%	0	0	0.0%	0	0	0.0%	364,631	427,714	-14.7%
GULF COAST NO.6 FUEL OIL	MF	0	0.0%	0	0	0	42,559	38,929	9.3%	0	0	0.0%	0	0	0.0%	547,278	510,266	7.3%
GULF COAST NO.6 FUEL OIL	MG	0	0.0%	0	0	0	682	1,470	-53.6%	0	0	0.0%	0	0	0.0%	16,476	12,403	32.8%
GULF COAST ULSD CALENDAR	LY	0	0.0%	0	0	0	431	491	-12.2%	0	0	0.0%	0	0	0.0%	3,319	5,520	-39.9%
GULF COAST ULSD CRACK SP	GY	0	0.0%	0	0	0	120	0	0.0%	0	0	0.0%	0	0	0.0%	1,415	3,870	-63.4%
HEATING OIL BALMO CLNDR S	1G	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	243	830	-70.7%
HEATING OIL CRCK SPRD BAL	1H	-	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%
HENRY HUB BASIS SWAP	HB	0	0.0%	0	0	0	16,658	1,712	873.0%	0	0	0.0%	0	2,996	-100.0%	32,088	49,736	-35.5%
HENRY HUB FINANCIAL LAST	NBP	0	0.0%	522	1,482	-0.65	0	0	0.0%	0	0	0.0%	26,818	2,495	974.9%	0	0	0.0%
HENRY HUB FINANCIAL LAST	TTE	0	0.0%	0	219	-1	0	0	0.0%	0	0	0.0%	885	753	17.5%	0	0	0.0%
HENRY HUB INDEX SWAP FUTL	IN	0	0.0%	0	0	0	16,658	1,712	873.0%	0	0	0.0%	0	2,996	-100.0%	32,088	47,546	-32.5%
HENRY HUB SWAP	NN	0	0.0%	3,375	916	2.68	161,044	148,289	8.6%	0	0	0.0%	59,584	61,980	-3.9%	1,622,167	1,804,107	-10.1%
HENRY HUB SWING FUTURE	SN	-	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	0.0%	0	0	0.0%	0	0	0.0%	0	3,777	-100.0%
HOUSTON SHIP CHANNEL INDE	IP	-	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	719	-100.0%
ICE BRENT DUBAI SWAP	DB	0	0.0%	0	0	0	9,840	17,829	-44.8%	0	0	0.0%	0	0	0.0%	100,418	97,455	3.0%
ICE GASOIL BALMO SWAP	U9	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	9	-100.0%
IN DELIVERY MONTH EUA	6T	0	0.0%	0	0	0	1,248	0	0.0%	0	0	0.0%	0	0	0.0%	1,248	2,850	-56.2%
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%
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%
INDIANA MISO	FTM	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PDD	0	0.0%	0	0	0	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%
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%
INDIANA MISO	PTM	-	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	5	-100.0%
INDONESIAN COAL ICI4	ICI	0	-	0	-	-	265	-	-	0	-	-	0	-	-	1,515	-	-
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%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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
Energy Futures																		
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	40	562	-92.9%	0	0	0.0%	0	0	0.0%	1,729	5,813	-70.3%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	2,863	1,104	159.3%	0	0	0.0%	0	0	0.0%	21,110	15,210	38.8%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	82	10	720.0%	0	0	0.0%	0	0	0.0%	608	1,410	-56.9%
JET AV FUEL (P) CAR FM ICE G	1V	0	0	0.0%	0	0	0	24	-100.0%	0	0	0.0%	0	0	0.0%	5	36	-86.1%
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	0	59	-100.0%	0	0	0.0%	0	0	0.0%	642	975	-34.2%
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	5	-100.0%
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	62	-100.0%
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	7,120	7,755	-8.2%	0	0	0.0%	0	0	0.0%	60,197	72,261	-16.7%
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	240	25	860.0%	0	0	0.0%	0	0	0.0%	2,970	1,995	48.9%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	850	25	3,300.0%	0	0	0.0%	0	0	0.0%	5,100	2,475	106.1%
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	1,886	1,350	39.7%	0	0	0.0%	0	0	0.0%	20,479	18,125	13.0%
LLS (ARGUS) CALENDAR SWAP	XA	0	-	-	0	-	0	-	-	0	-	-	0	-	-	607	-	-
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	5,167	3,767	37.2%	0	0	0.0%	0	15	-100.0%	56,629	47,706	18.7%
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	70	1,300	3,060	-57.5%	0	0	0.0%	0	70	-100.0%	21,285	32,579	-34.7%
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	200	800	15,610	22,425	-30.4%	0	0	0.0%	575	800	-28.1%	206,726	195,829	5.6%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	1,500	-100.0%	0	0	0.0%	0	200	-100.0%	2,319	13,768	-83.2%
MCCLOSKY ARA ARGS COAL	MTF	0	0	0.0%	12	0	19,970	32,769	-39.1%	0	0	0.0%	731	0	0.0%	236,931	453,733	-47.8%
MCCLOSKY RCH BAY COAL	MFF	0	0	0.0%	0	0	1,485	3,269	-54.6%	0	0	0.0%	0	0	0.0%	30,211	50,341	-40.0%
MGF FUT	MGF	0	0	0.0%	0	0	40	0	0.0%	0	0	0.0%	0	0	0.0%	258	286	-9.8%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	60	25	140.0%	0	0	0.0%	0	0	0.0%	693	1,004	-31.0%
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	106,440	-100.0%
MICHIGAN MISO	HMW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,730	-100.0%
MINI GAS EUROBOB OXY NWE	MEB	0	0	0.0%	0	0	247	361	-31.6%	0	0	0.0%	0	0	0.0%	3,436	4,515	-23.9%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	554	-100.0%	0	0	0.0%	0	0	0.0%	3,383	5,636	-40.0%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	3,202	1,100	191.1%	0	0	0.0%	0	0	0.0%	18,751	23,130	-18.9%
MJC FUT	MJC	0	0	0.0%	0	0	85	145	-41.4%	0	0	0.0%	0	0	0.0%	1,410	1,190	18.5%
MNC FUT	MNC	0	0	0.0%	0	0	5,643	2,742	105.8%	0	0	0.0%	0	0	0.0%	40,764	41,095	-0.8%
MONT BELVIEU ETHANE 5 DECI	CO	0	0	0.0%	0	0	16,362	20,927	-21.8%	0	0	0.0%	0	0	0.0%	164,365	229,422	-28.4%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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	
Energy Futures																			
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	125	93	34.4%	0	0	0.0%	0	0	0.0%	1,610	2,690	-40.1%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	25	45	-0.44	168,886	107,773	56.7%	0	0	0.0%	209	327	-36.1%	1,245,701	920,085	35.4%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	1,597	936	70.6%	0	0	0.0%	0	0	0.0%	25,148	16,921	48.6%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	20	-1	11,201	9,674	15.8%	0	0	0.0%	0	20	-100.0%	84,089	48,056	75.0%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	235	365	-35.6%	0	0	0.0%	0	0	0.0%	3,586	2,864	25.2%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	57,887	34,600	67.3%	0	0	0.0%	0	0	0.0%	367,022	284,879	28.8%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	1,547	779	98.6%	0	0	0.0%	0	0	0.0%	11,069	7,156	54.7%
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	2,165	-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	360	-100.0%
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	30,745	53,427	-42.5%	0	0	0.0%	0	62	-100.0%	335,558	841,586	-60.1%
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	31,565	0	0.0%	0	0	0.0%	0	0	0.0%	136,440	235,140	-42.0%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0	0	1,695	0	0.0%	0	0	0.0%	0	0	0.0%	12,711	17,275	-26.4%
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	14,040	-100.0%
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	765	-100.0%
NEPOOL NEW HAMP 5MW D AH	U2	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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	175	900	-80.6%	0	0	0.0%	0	0	0.0%	11,691	8,145	43.5%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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
Energy Futures																		
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	JN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	NL	0	0	0.0%	0	0	1,568	30	5,126.7%	0	0	0.0%	0	0	0.0%	3,448	4,074	-15.4%
NGPL MIDCONTINENT INDEX	IW	-	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%
NGPL TEX/OK	PD	0	0	0.0%	0	0	19,520	0	0.0%	0	0	0.0%	0	0	0.0%	44,636	8,134	448.8%
NGPL TEXOK INDEX	OI	-	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%
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%
NO 2 UP-DOWN SPREAD CALE	UT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,983	3,659	-18.5%
NORTHERN 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%
NORTHERN NATURAL GAS VENT	PF	0	0	0.0%	0	0	0	0	0.0%	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%
NORTHWEST ROCKIES BASIS S	NR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,088	-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%	59	334	-82.3%
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	165	2,126	-92.2%	0	0	0.0%	0	0	0.0%	13,398	21,972	-39.0%
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%
NY 3.0% FUEL OIL (PLATTS	H1	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,795	3,260	-44.9%
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%	50	25	100.0%
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	0	0	5,969	858	595.7%	0	0	0.0%	67	3	2,133.3%	22,993	22,414	2.6%
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,845	4,273	-33.4%
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	659	2,642	-75.1%	0	0	0.0%	0	0	0.0%	10,792	25,282	-57.3%
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	330	1,112	-70.3%	0	0	0.0%	0	0	0.0%	8,042	13,614	-40.9%
NY H OIL PLATTS VS NYMEX	YH	-	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%
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%
NYISO CAPACITY	LHV	0	0	0.0%	0	0	400	168	138.1%	0	0	0.0%	0	0	0.0%	646	453	42.6%
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	518	-100.0%	0	0	0.0%	0	0	0.0%	735	2,306	-68.1%
NYISO CAPACITY	NRS	0	0	0.0%	0	0	60	954	-93.7%	0	0	0.0%	0	0	0.0%	335	2,767	-87.9%
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%
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%
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%
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%
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0	44,264	0	0.0%	0	0	0.0%	0	0	0.0%	44,264	32,760	35.1%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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	
Energy Futures																			
NYISO ZONE A 5MW D AH PK	K3	0	0.0%	0	0	0	1,890	0	0.0%	0	0	0.0%	0	0	0.0%	1,890	6,815	-72.3%	
NYISO ZONE C 5MW D AH O P	A3	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
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	110	-100.0%	
NYISO ZONE G 5MW D AH O P	D2	0	0.0%	0	0	0	13,980	0	0.0%	0	0	0.0%	0	0	0.0%	614,834	780,585	-21.2%	
NYISO ZONE G 5MW D AH PK	T3	0	0.0%	0	0	0	730	0	0.0%	0	0	0.0%	0	0	0.0%	20,524	55,044	-62.7%	
NYISO ZONE J 5MW D AH O P	D4	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	226,600	-100.0%	
NYISO ZONE J 5MW D AH PK	D3	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	24,975	-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%	
NYMEX ALUMINUM FUTURES	AN	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYMEX ULSD VS NYMEX HO	UY	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NY ULSD (ARGUS) VS HEATING	7Y	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	213	8,232	-97.4%	
ONEOK OKLAHOMA NG BASIS	8X	0	0.0%	0	0	0	0	600	-100.0%	0	0	0.0%	0	0	0.0%	2,704	1,788	51.2%	
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%	
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%	
ONTARIO POWER SWAPS	OPD	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	505	-98.0%	
ONTARIO POWER SWAPS	OPM	0	0.0%	0	0	0	0	0	0.0%	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%	275	3,060	-91.0%	
PANHANDLE INDEX SWAP FUT	IV	-	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	2,364	-100.0%	0	0	0.0%	0	0	0.0%	0	3,228	-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	1,381	-100.0%	
PETROCHEMICALS	22	0	0.0%	0	0	0	324	48	575.0%	0	0	0.0%	0	0	0.0%	1,870	781	139.4%	
PETROCHEMICALS	32	0	0.0%	0	0	0	109	142	-23.2%	0	0	0.0%	0	0	0.0%	1,583	1,050	50.8%	
PETROCHEMICALS	3NA	0	-	0	-	0	6	-	-	0	-	-	0	-	-	6	-	-	
PETROCHEMICALS	51	0	-	0	-	0	0	-	-	0	-	-	0	-	-	23	-	-	
PETROCHEMICALS	8I	0	0.0%	0	0	0	473	699	-32.3%	0	0	0.0%	0	0	0.0%	6,760	6,098	10.9%	
PETROCHEMICALS	91	0	0.0%	0	0	0	649	307	111.4%	0	0	0.0%	0	0	0.0%	4,321	2,253	91.8%	
PETROCHEMICALS	HPE	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%	0	0	0	2,330	60	3,783.3%	0	0	0.0%	0	0	0.0%	12,344	560	2,104.3%	
PETROCHEMICALS	LPE	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROCHEMICALS	MAA	0	-	0	-	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	50	-100.0%	
PETROCHEMICALS	MAE	0	0.0%	0	0	0	290	110	163.6%	0	0	0.0%	0	0	0.0%	2,042	410	398.0%	
PETROCHEMICALS	MAS	0	0.0%	0	0	0	170	60	183.3%	0	0	0.0%	0	0	0.0%	1,711	375	356.3%	
PETROCHEMICALS	MBE	0	0.0%	0	0	0	900	560	60.7%	0	0	0.0%	0	0	0.0%	8,530	12,060	-29.3%	

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

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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	
Energy Futures																			
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	761	1,477	-48.5%	0	0	0.0%	0	0	0.0%	18,378	17,214	6.8%
PETROCHEMICALS	MPS	0	0	0.0%	0	0	0	140	0	0.0%	0	0	0.0%	0	0	0.0%	1,150	40	2,775.0%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	150	-100.0%
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	182	-100.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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%	509	1,310	-61.1%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	5,325	100	5,225.0%	0	0	0.0%	0	0	0.0%	22,890	2,430	842.0%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	3,485	2,180	59.9%	0	0	0.0%	0	0	0.0%	29,312	25,001	17.2%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	150	0	0.0%	0	0	0.0%	0	0	0.0%	6,775	7,053	-3.9%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	975	2,780	-64.9%	0	0	0.0%	0	0	0.0%	12,285	11,628	5.7%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	1,740	1,310	32.8%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	974	629	54.8%	0	0	0.0%	0	0	0.0%	14,061	10,248	37.2%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	163	59	176.3%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	2,446	4,685	-47.8%	0	0	0.0%	0	0	0.0%	115,815	55,676	108.0%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	40	535	-92.5%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	72	1,500	-95.2%	0	0	0.0%	0	0	0.0%	8,669	29,729	-70.8%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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	0.0%	4	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	109	-54.1%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,125	-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	5,535	8,373	-33.9%	0	0	0.0%	0	0	0.0%	54,295	78,127	-30.5%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	16,287	13,225	23.2%	0	0	0.0%	0	0	0.0%	160,130	157,312	1.8%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	321	15	2,040.0%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	1,258	975	29.0%	0	0	0.0%	0	0	0.0%	18,091	12,574	43.9%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	100	425	-76.5%
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	45	401	-88.8%	0	0	0.0%	0	0	0.0%	3,414	3,355	1.8%
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	1,371	978	40.2%	0	0	0.0%	0	0	0.0%	16,736	18,199	-8.0%
PETRO CRK&SPRD EURO	EGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
PETRO CRK&SPRD EURO	EGN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	18	-100.0%
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	9	0	0.0%	0	0	0.0%	0	0	0.0%	222	127	74.8%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	1,685	486	246.7%	0	0	0.0%	0	0	0.0%	9,793	4,660	110.2%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	1,392	1,635	-14.9%	0	0	0.0%	0	0	0.0%	19,994	23,357	-14.4%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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	
Energy Futures																			
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	680	739	-8.0%
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	120	-30.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	110	70	57.1%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	163	888	-81.6%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	20	0	0.0%	0	0	0.0%	0	0	0.0%	182	134	35.8%
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	0	3,101	820	278.2%	0	0	0.0%	0	0	0.0%	18,439	10,825	70.3%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	125	178	-29.8%
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	8,695	2,605	233.8%	0	0	0.0%	0	0	0.0%	51,219	24,624	108.0%
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	0	0	0.0%	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	0.0%
PETROLEUM PRODUCTS	MME	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	20	50.0%
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	0	0	340	-100.0%	0	0	0.0%	0	0	0.0%	1,044	3,014	-65.4%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	60	0	0.0%	0	0	0.0%	0	0	0.0%	714	222	221.6%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	0	1,851	1,050	76.3%	0	0	0.0%	0	0	0.0%	19,035	18,373	3.6%
PETROLEUM PRODUCTS ASIA	MSB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	45	-100.0%
PETRO OUTRIGHT EURO	OB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	84	113	-25.7%
PETRO OUTRIGHT EURO	OC	0	0	0.0%	0	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	23	30	-23.3%
PETRO OUTRIGHT EURO	OD	0	0	0.0%	0	0	0	1,212	2,364	-48.7%	0	0	0.0%	0	0	0.0%	13,101	23,472	-44.2%
PETRO OUTRIGHT EURO	OE	0	0	0.0%	0	0	0	0	56	-100.0%	0	0	0.0%	0	0	0.0%	238	4,096	-94.2%
PETRO OUTRIGHT EURO	OF	0	0	0.0%	0	0	0	220	594	-63.0%	0	0	0.0%	0	0	0.0%	5,131	10,840	-52.7%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	39	102	-61.8%
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	0	163	-100.0%	0	0	0.0%	0	0	0.0%	224	709	-68.4%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	177	767	-76.9%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	7	-100.0%
PETRO OUTRIGHT EURO	7I	0	0	0.0%	0	0	0	262	92	184.8%	0	0	0.0%	0	0	0.0%	1,161	1,157	0.3%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	0	159	180	-11.7%	0	0	0.0%	0	0	0.0%	2,933	2,360	24.3%
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	105	60	75.0%

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Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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	
Energy Futures																			
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	25	-100.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%	
PETRO OUTRIGHT EURO	CPB	0	0	0.0%	0	0	190	379	-49.9%	0	0	0.0%	0	0	0.0%	3,326	2,848	16.8%	
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	0	48	20	140.0%	0	0	0.0%	0	0	0.0%	164	310	-47.1%	
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	453	-100.0%	
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	145	180	-19.4%	
PETRO OUTRIGHT EURO	ESB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	69	-100.0%	
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	893	807	10.7%	0	0	0.0%	0	0	0.0%	7,143	7,106	0.5%	
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	FLB	0	-	-	0	-	0	-	-	0	-	-	0	-	-	5	-	-	
PETRO OUTRIGHT EURO	GES	0	-	-	0	-	0	-	-	0	-	-	0	-	-	5	-	-	
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	271	550	-50.7%	
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	180	840	-78.6%	0	0	0.0%	0	0	0.0%	8,967	10,491	-14.5%	
PETRO OUTRIGHT EURO	MEF	0	-	-	0	-	716	-	-	0	-	-	0	-	-	1,139	-	-	
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	553	40	1,282.5%	
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	9	164	-94.5%	
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	0.0%	116	0	0.0%	
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0	64	223	-71.3%	0	0	0.0%	0	0	0.0%	808	1,836	-56.0%	
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	8	50	-84.0%	
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	0	0.0%	0	0	0.0%	0	0	0.0%	69	420	-83.6%	
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	4,270	1,015	320.7%	0	0	0.0%	0	0	0.0%	31,425	41,360	-24.0%	
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	2,090	1,413	47.9%	0	0	0.0%	0	0	0.0%	6,650	3,438	93.4%	
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	40	266	-85.0%	
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	401	408	-1.7%	0	0	0.0%	0	0	0.0%	4,379	5,957	-26.5%	
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	3,298	3,423	-3.7%	0	0	0.0%	0	0	0.0%	36,006	88,851	-59.5%	
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	203	-50.7%	
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	63	25	152.0%	0	0	0.0%	0	0	0.0%	193	510	-62.2%	
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	0.0%	300	0	0.0%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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
Energy Futures																		
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%	41,397	273,469	-84.9%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	420	-100.0%	0	0	0.0%	0	0	0.0%	13,073	22,831	-42.7%
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%
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	1,280	0	0.0%	0	0	0.0%	0	0	0.0%	6,380	79,100	-91.9%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5,925	1,700,530	-99.7%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0	770	2,427	-68.3%	0	0	0.0%	0	0	0.0%	770	687,794	-99.9%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	42	246	-82.9%	0	0	0.0%	0	0	0.0%	64	39,332	-99.8%
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%	23,400	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%	1,275	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%	101,810	54,300	87.5%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5,525	8,620	-35.9%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	39,200	0	0.0%	0	0	0.0%	0	0	0.0%	349,120	2,158,295	-83.8%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	2,555	1,040	145.7%	0	0	0.0%	0	0	0.0%	59,191	203,991	-71.0%
PLASTICS	PGP	0	0	0.0%	0	0	1,159	120	865.8%	0	0	0.0%	0	0	0.0%	4,314	5,714	-24.5%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	79	140	-43.6%	0	0	0.0%	0	0	0.0%	2,392	671	256.5%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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
Energy Futures																		
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	438	152	188.2%
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%	326	37	781.1%
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	170	169.8%	0	0	0.0%	0	0	0.0%	5,189	4,927	5.3%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	17,773	103.8%	0	0	0.0%	0	0	0.0%	126,794	68,710	84.5%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	7,181	39.0%	0	0	0.0%	0	5	-100.0%	58,539	72,009	-18.7%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	60	-97.8%	0	0	0.0%	0	0	0.0%	9,528	10,157	-6.2%
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	0	530	-75.6%	0	0	0.0%	0	0	0.0%	10,782	9,550	12.9%
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	0	150	-100.0%	0	0	0.0%	0	0.0%	1,975	16,870	-88.3%
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%	58	2,254	-97.4%
SAN JUAN PIPE SWAP	XX	0	-	-	0	-	0	-	-	0	-	-	0	-	-	360	-	-
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	30	-21.1%	0	0	0.0%	0	0	0.0%	473	572	-17.3%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	261	105.5%	0	0	0.0%	0	0	0.0%	2,201	2,155	2.1%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	6,031	-25.0%	0	0	0.0%	0	0	0.0%	84,193	97,554	-13.7%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	502	-31.2%	0	0	0.0%	0	0	0.0%	8,056	10,526	-23.5%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	117	-56.7%	0	0	0.0%	0	0	0.0%	6,011	6,798	-11.6%
SINGAPORE GASOIL	MAF	0	-	-	0	-	0	723	-	0	-	-	0	-	-	1,306	-	-
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	15	-86.6%	0	0	0.0%	0	0	0.0%	506	1,490	-66.0%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	4,981	61.8%	0	0	0.0%	0	0	0.0%	47,222	48,155	-1.9%
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	0	0.0%	0	0	0.0%	0	0	0.0%	4,300	800	437.5%
SINGAPORE GASOIL CALEND	GDH	0	-	-	0	-	0	0	-	0	-	-	0	-	-	50	-	-
SINGAPORE GASOIL CALEND	GDL	0	-	-	0	-	0	0	-	0	-	-	0	-	-	250	-	-
SINGAPORE GASOIL CALEND	GHS	0	-	-	0	-	0	0	-	0	-	-	0	-	-	0	-	-
SINGAPORE GASOIL CALEND	MGO	0	-	-	0	-	0	0	-	0	-	-	0	-	-	200	-	-
SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	0	380	5.8%	0	0	0.0%	0	0	0.0%	4,752	2,660	78.6%
SINGAPORE GASOIL CALEND	SGG	0	-	-	0	-	0	0	-	0	-	-	0	-	-	325	-	-
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	0	0	731	-89.1%	0	0	0.0%	2	36	-94.4%	45,672	87,870	-48.0%

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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	
Energy Futures																			
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	8,370	75	11,060.0%	0	0	0.0%	0	0	0.0%	126,410	70,129	80.3%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	215	536	-59.9%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	300	125	140.0%	0	0	0.0%	0	0	0.0%	34,145	18,085	88.8%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	925	315	193.7%	0	0	0.0%	0	0	0.0%	13,000	12,629	2.9%
SINGAPORE JET KERO VS. GAS	Z0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	400	50	700.0%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	375	266	41.0%	0	0	0.0%	0	0	0.0%	5,721	1,531	273.7%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	0	14,751	5,875	151.1%	0	0	0.0%	2	5	-60.0%	137,886	72,707	89.6%
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	-	-	0.0%	200	-	-
SING FUEL	MSD	0	0	0.0%	0	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	100	70	42.9%
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	0	0.0%	0	0	0.0%	0	0	0.0%	91	6,238	-98.5%
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	306	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	-	-	0	-	0	140	-	-	0	-	0	-	-	0.0%	857	-	-
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	680	0	0.0%	0	0	0.0%	0	0	0.0%	1,025	0	0.0%
TCO BASIS SWAP	TC	0	0	0.0%	0	0	0	0	56	-100.0%	0	0	0.0%	0	0	0.0%	0	8,282	-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	0.0%	0	0	0	3,036	30	10,020.0%	0	0	0.0%	0	0	0.0%	12,436	30	41,353.3%
TENN 800 LEG NAT GAS INDE	L4	-	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	8,604	-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	13,239	-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%

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Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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	
Energy Futures																			
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	0	0.0%	0	0	0.0%	0	0	0.0%	60	265	-77.4%	
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	0	0.0%	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%	14	66	-78.8%	
ULSD 10PPM CIF NW BALMO S	B1	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6	-100.0%	
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	6,700	9,770	-31.4%	0	0	0.0%	0	0	0.0%	56,104	46,692	20.2%	
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	38,271	50,929	-24.9%	0	0	0.0%	0	0	0.0%	327,620	474,669	-31.0%	
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,201	6,064	-47.2%	
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	180	-100.0%	0	0	0.0%	0	0	0.0%	25	2,400	-99.0%	
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6,650	904	635.6%	
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	17,795	31,694	-43.9%	0	0	0.0%	6	120	-95.0%	315,144	171,246	84.0%	
WTI CALENDAR	CS	0	0	0.0%	0	0	40,550	34,612	17.2%	0	0	0.0%	0	0	0.0%	336,439	368,837	-8.8%	
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	6,088	14,656	-58.5%	0	0	0.0%	0	0	0.0%	85,590	53,170	61.0%	
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	720	2,230	-67.7%	0	0	0.0%	0	0	0.0%	6,105	8,310	-26.5%	
Energy Options																			
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	630	-100.0%	
1 MO GASOIL CAL SWAP SPR	GXA	-	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%	12	0	7,310	0	0.0%	0	0	0.0%	12	0	0.0%	13,164	5,347	146.2%	
BRENT CRUDE OIL 12 M CSO	9Y	0	0	0.0%	0	0	0	2,000	-100.0%	0	0	0.0%	0	0	0.0%	2,000	2,000	0.0%	
BRENT CRUDE OIL 1 M CSO	9C	0	-	-	0	-	18,450	-	-	0	-	-	2,900	-	-	407,588	-	-	
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	33,388	986	3,286.2%	0	0	0.0%	0	0	0.0%	299,720	35,572	742.6%	
BRENT OIL LAST DAY	BZO	0	0	0.0%	127,284	17,873	6.12	268,451	48,975	448.1%	0	0	0.0%	677,523	103,186	556.6%	1,010,108	294,628	242.8%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0	0	200	-100.0%	0	0	0.0%	190	144	31.9%	1,000	3,700	-73.0%	
COAL API2 INDEX	CLA	0	0	0.0%	0	0	320	431	-25.8%	0	0	0.0%	0	0	0.0%	6,425	9,883	-35.0%	
COAL API2 INDEX	CQA	0	0	0.0%	0	0	25	145	-82.8%	0	0	0.0%	0	0	0.0%	3,480	755	360.9%	

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Commodity Indicator	Open Outcry OCT 2018	Open Outcry OCT 2017	% CHG	ELEC OCT 2018	ELEC OCT 2017	% CHG	CME ClearPort OCT 2018	CME ClearPort OCT 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	
Energy Options																			
COAL API2 INDEX	MTC	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%	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%	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	180	-100.0%	
COAL SWAP	RPF	0	0	0.0%	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	0	605	-100.0%	
CRUDE OIL 1MO	WA	0	0	0.0%	26,520	56,107	-0.53	196,750	35,800	449.6%	0	0	0.0%	151,755	322,700	-53.0%	1,876,150	1,438,339	30.4%
CRUDE OIL APO	AO	0	0	0.0%	0	10	-1	19,147	42,710	-55.2%	0	0	0.0%	331	70	372.9%	433,465	479,783	-9.7%
CRUDE OIL CALNDR STRIP	6F	0	-	-	0	-	0	-	-	0	-	-	0	-	-	170	-	-	
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0	0	8,000	0	0.0%	0	0	0.0%	0	0	0.0%	8,000	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	0	390	2,530	-84.6%	0	0	0.0%	0	0	0.0%	390	11,770	-96.7%
CRUDE OIL PHY	CD	0	0	0.0%	0	0	0	1,500	3,550	-57.7%	0	0	0.0%	0	25	-100.0%	20,850	29,095	-28.3%
CRUDE OIL PHY	LC	0	0	0.0%	0	0	0	16,765	3,800	341.2%	0	0	0.0%	724	13	5,469.2%	103,487	232,814	-55.5%
CRUDE OIL PHY	LO	0	0	0.0%	3,375,511	2,333,632	0.45	685,739	544,620	25.9%	0	0	0.0%	29,086,631	29,076,713	0.0%	6,354,773	7,463,990	-14.9%
CRUDE OIL PHY	LO1	0	0	0.0%	33,616	19,666	0.71	408	50	716.0%	0	0	0.0%	157,779	142,608	10.6%	483	750	-35.6%
CRUDE OIL PHY	LO2	0	0	0.0%	22,360	14,942	0.5	200	0	0.0%	0	0	0.0%	158,136	123,583	28.0%	450	250	80.0%
CRUDE OIL PHY	LO3	0	0	0.0%	13,678	11,843	0.15	0	0	0.0%	0	0	0.0%	106,342	82,535	28.8%	325	200	62.5%
CRUDE OIL PHY	LO4	0	0	0.0%	22,702	12,513	0.81	0	0	0.0%	0	0	0.0%	159,140	161,970	-1.7%	350	300	16.7%
CRUDE OIL PHY	LO5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	49,480	53,239	-7.1%	225	250	-10.0%	
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	820	-100.0%	
ETHANOL	CE1	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	275	75	266.7%	
ETHANOL	CE3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	325	-53.8%	
ETHANOL SWAP	CVR	0	0	0.0%	0	0	0	3,777	7,744	-51.2%	0	0	0.0%	0	0	0.0%	63,203	57,085	10.7%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,118	1,580	97.3%	
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%	
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%	
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	0	0	270	25	980.0%	0	0	0.0%	0	8	-100.0%	1,020	2,720	-62.5%
HEATING OIL PHY	OH	0	0	0.0%	4,467	6,416	-0.3	26,091	32,750	-20.3%	0	0	0.0%	51,007	49,659	2.7%	244,000	272,878	-10.6%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	3,501	5,638	-37.9%	0	0	0.0%	5	0	0.0%	43,930	38,676	13.6%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	100	1,700	-94.1%

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Energy Options																			
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,750	-100.0%
MCCLOSKY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	0	160	-100.0%	0	0	0.0%	0	0	0.0%	290	1,450	-80.0%
MCCLOSKY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	70	0	0.0%	0	0	0.0%	0	0	0.0%	2,075	0	0.0%
NATURAL GAS	G10	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	450	-100.0%
NATURAL GAS 1 M CSO FIN	G4	0	0	0.0%	750	500	0.5	49,950	53,784	-7.1%	0	0	0.0%	2,379	3,920	-39.3%	366,741	384,309	-4.6%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	0	1,500	-100.0%	0	0	0.0%	0	0	0.0%	1,400	9,550	-85.3%
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	200	1,000	-80.0%	0	0	0.0%	1	0	0.0%	44,245	120,425	-63.3%
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	5,800	3,650	58.9%	0	0	0.0%	0	0	0.0%	84,400	50,670	66.6%
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	4,270	1,832	133.1%	0	0	0.0%	0	0	0.0%	27,642	9,770	182.9%
NATURAL GAS PHY	KD	0	0	0.0%	10,764	32,675	-0.67	3,150	19,100	-83.5%	0	0	0.0%	121,214	97,955	23.7%	74,335	305,075	-75.6%
NATURAL GAS PHY	LN	0	0	0.0%	1,677,227	1,416,109	0.18	877,347	1,055,628	-16.9%	0	0	0.0%	11,159,222	10,271,871	8.6%	7,000,747	11,891,044	-41.1%
NATURAL GAS PHY	ON	0	0	0.0%	242,576	218,092	0.11	5,085	7,569	-32.8%	0	0	0.0%	1,721,975	1,890,452	-8.9%	92,588	71,060	30.3%
NATURAL GAS PHY	ON1	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS WINTER STRIP	6I	0	-	-	0	-	0	600	-	-	0	-	0	-	-	-	2,700	-	-
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	0	0.0%	0	0	0.0%	0	0	0.0%	2,016	4,030	-50.0%
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	62	15	3.13	3,388	2,828	19.8%	0	0	0.0%	558	483	15.5%	25,535	32,023	-20.3%
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	5,760	-100.0%	0	0	0.0%	0	0	0.0%	0	8,640	-100.0%
PETROCHEMICALS	4H	0	0	0.0%	0	0	0	1,347	834	61.5%	0	0	0.0%	23	8	187.5%	6,629	7,726	-14.2%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	1,350	2,945	-54.2%
PETROCHEMICALS	4K	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,300	1,200	175.0%
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	-	-	-	192	-	-
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	270	50	440.0%	0	0	0.0%	0	0	0.0%	720	3,960	-81.8%
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	252	360	-30.0%	0	0	0.0%	0	0	0.0%	7,404	13,029	-43.2%

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Energy Options																			
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0	0	0	600	-100.0%	0	0	0.0%	0	0	0.0%	700	5,508	-87.3%
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0	0	85	455	-81.3%	0	0	0.0%	0	10	-100.0%	1,050	2,805	-62.6%
RBOB CRACK	RX	0	-	-	2	-	0	-	-	-	0	-	-	2	-	-	0	-	-
RBOB PHY	OB	0	0	0.0%	2,574	6,922	-0.63	17,515	10,306	69.9%	0	0	0.0%	33,761	69,256	-51.3%	87,687	199,836	-56.1%
RBOB PHY	RF	0	0	0.0%	0	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	125	1,160	-89.2%
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	31	360	-91.4%	0	0	0.0%	0	0	0.0%	2,149	3,240	-33.7%
SHORT TERM	C15	0	-	-	0	-	500	-	-	-	0	-	-	0	-	-	500	-	-
SHORT TERM	U11	0	0	0.0%	0	30	-1	0	150	-100.0%	0	0	0.0%	111	30	270.0%	1,125	5,940	-81.1%
SHORT TERM	U12	0	0	0.0%	0	0	0	150	125	20.0%	0	0	0.0%	100	0	0.0%	1,000	4,604	-78.3%
SHORT TERM	U13	0	0	0.0%	0	62	-1	0	200	-100.0%	0	0	0.0%	0	72	-100.0%	400	2,485	-83.9%
SHORT TERM	U14	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	13	0	0.0%	850	3,355	-74.7%
SHORT TERM	U15	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	147	25	488.0%	650	4,700	-86.2%
SHORT TERM	U22	0	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	96	25	284.0%	1,175	2,857	-58.9%
SHORT TERM	U23	0	0	0.0%	0	100	-1	0	500	-100.0%	0	0	0.0%	148	100	48.0%	750	1,572	-52.3%
SHORT TERM	U24	0	0	0.0%	0	0	0	0	650	-100.0%	0	0	0.0%	379	0	0.0%	500	3,220	-84.5%
SHORT TERM	U25	0	0	0.0%	0	0	0	50	200	-75.0%	0	0	0.0%	2	0	0.0%	150	940	-84.0%
SHORT TERM	U26	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	400	292	37.0%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	550	3,315	-83.4%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	1,350	0	0.0%	0	0	0.0%	98	58	69.0%	2,700	3,425	-21.2%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	54	0	0.0%	1,475	2,220	-33.6%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	100	0	0	275	300	-8.3%	0	0	0.0%	125	0	0.0%	1,850	1,170	58.1%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	10	0	0	0	3,350	-100.0%	0	0	0.0%	100	35	185.7%	1,330	10,105	-86.8%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	150	-1	0	860	-100.0%	0	0	0.0%	50	185	-73.0%	1,450	7,860	-81.6%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	1	0	0.0%	1,600	3,285	-51.3%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	50	0	0	50	0	0.0%	0	0	0.0%	52	0	0.0%	1,425	4,470	-68.1%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	141	-1	0	1,040	-100.0%	0	0	0.0%	34	141	-75.9%	1,500	4,640	-67.7%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	1,250	5,652	-77.9%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	275	-1	0	2,500	-100.0%	0	0	0.0%	150	275	-45.5%	550	6,170	-91.1%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	10	-1	0	875	-100.0%	0	0	0.0%	96	10	860.0%	2,200	4,179	-47.4%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	35	-1	150	475	-68.4%	0	0	0.0%	22	85	-74.1%	1,600	1,612	-0.7%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	175	-1	100	200	-50.0%	0	0	0.0%	123	175	-29.7%	225	4,385	-94.9%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	83	-1	0	215	-100.0%	0	0	0.0%	25	83	-69.9%	1,400	3,445	-59.4%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	13	0	0.0%	350	2,724	-87.2%

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Energy Options																			
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	25	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%	100	3,255	-96.9%	
SHORT TERM NATURAL GAS	U29	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	10	0	0.0%	450	435	3.4%	
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	5	-1	0	350	-100.0%	0	0	0.0%	0	5	-100.0%	100	3,770	-97.3%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	50	-1	0	450	-100.0%	0	0	0.0%	27	50	-46.0%	0	6,200	-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%	7,270	26,444	-0.73	24,574	74,694	-67.1%	0	0	0.0%	146,035	41,604	251.0%	661,260	393,873	67.9%
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	0	0	0	87,050	31,815	173.6%	0	0	0.0%	15,050	4,000	276.3%	707,850	567,515	24.7%

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Metals Futures																			
COMEX GOLD	GC	0	0	0.0%	6,263,564	6,514,119	-0.04	206,679	151,177	36.7%	0	0	0.0%	67,391,578	57,040,397	18.1%	2,426,763	1,951,409	24.4%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	2,401	1,157	1.08	7,264	5,950	22.1%	0	0	0.0%	30,300	3,905	675.9%	70,078	49,195	42.4%
NYMEX PLATINUM	PL	0	0	0.0%	373,995	335,247	0.12	9,725	8,970	8.4%	0	0	0.0%	4,468,257	3,778,453	18.3%	124,528	123,168	1.1%
PALLADIUM	PA	0	0	0.0%	112,340	83,314	0.35	3,663	3,956	-7.4%	0	0	0.0%	1,161,127	1,116,591	4.0%	49,587	60,042	-17.4%
URANIUM	UX	0	0	0.0%	173	0	0	654	0	0.0%	0	0	0.0%	766	427	79.4%	3,513	4,047	-13.2%
COMEX SILVER	SI	0	0	0.0%	1,746,359	1,793,724	-0.03	47,175	32,720	44.2%	0	0	0.0%	19,817,548	18,674,763	6.1%	569,758	432,606	31.7%
COMEX E-Mini GOLD	QO	0	0	0.0%	11,250	5,343	1.11	0	0	0.0%	0	0	0.0%	82,303	80,343	2.4%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	936	471	0.99	0	0	0.0%	0	0	0.0%	11,507	8,084	42.3%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	2,603,469	2,395,581	0.09	22,383	15,076	48.5%	0	0	0.0%	28,488,338	21,448,557	32.8%	268,905	256,886	4.7%
COMEX MINY COPPER	QC	0	0	0.0%	415	459	-0.1	0	0	0.0%	0	0	0.0%	4,596	7,013	-34.5%	0	0	0.0%
ALUMINUM	A38	0	0	0.0%	0	0	0	72	0	0.0%	0	0	0.0%	0	0	0.0%	72	30	140.0%
ALUMINUM	AEP	0	0	0.0%	0	0	0	2,425	2,004	21.0%	0	0	0.0%	0	78	-100.0%	14,730	24,659	-40.3%
ALUMINUM	ALA	0	0	0.0%	0	0	0	40	0	0.0%	0	0	0.0%	0	0	0.0%	5,515	5,350	3.1%
ALUMINUM	ALI	0	0	0.0%	0	0	0	0	40	-100.0%	0	0	0.0%	0	4,197	-100.0%	0	1,061	-100.0%
ALUMINUM	AUP	0	0	0.0%	925	191	3.84	7,678	7,662	0.2%	0	0	0.0%	7,798	2,267	244.0%	79,564	69,318	14.8%
ALUMINUM	CUP	0	-	-	0	-	0	-	-	0	-	-	25	-	-	180	-	-	
ALUMINUM	EDP	0	0	0.0%	30	0	0	3,740	180	1,977.8%	0	0	0.0%	47	44	6.8%	15,444	9,106	69.6%
ALUMINUM	MJP	0	0	0.0%	0	0	0	1,620	2,220	-27.0%	0	0	0.0%	76	260	-70.8%	11,759	13,608	-13.6%
COPPER	HGS	0	0	0.0%	0	0	0	2,611	88	2,867.0%	0	0	0.0%	0	0	0.0%	14,846	1,606	824.4%
E-MICRO GOLD	MGC	0	0	0.0%	246,996	106,238	1.32	0	0	0.0%	0	0	0.0%	1,483,874	946,127	56.8%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	456	0	0	1,951	420	364.5%	0	0	0.0%	818	85	862.4%	16,269	1,135	1,333.4%
GOLD	GPS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	1	-100.0%	0	0	0.0%
Gold Kilo	GCK	0	0	0.0%	0	153	-1	0	0	0.0%	0	0	0.0%	136	3,276	-95.8%	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	8,562	-100.0%
IRON ORE 62 CHINA TSI FUTUR	TIO	0	0	0.0%	8	220	-0.96	4,784	842	468.2%	0	0	0.0%	149	2,810	-94.7%	37,604	80,864	-53.5%
LNDN ZINC	ZNC	0	0	0.0%	4,601	20	229.05	0	0	0.0%	0	0	0.0%	10,544	115	9,068.7%	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%	9,494	4,985	0.9	0	0	0.0%	0	0	0.0%	77,342	58,404	32.4%	0	0	0.0%



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Metals Options																			
COMEX COPPER	HX	0	0	0.0%	35,694	16,137	1.21	10,079	1,741	478.9%	0	0	0.0%	206,710	70,266	194.2%	78,556	4,420	1,677.3%
COMEX GOLD	OG	0	0	0.0%	1,013,201	625,816	0.62	160,172	178,774	-10.4%	0	0	0.0%	7,828,821	6,513,341	20.2%	2,062,562	1,893,631	8.9%
COMEX SILVER	SO	0	0	0.0%	121,120	79,409	0.53	25,427	29,140	-12.7%	0	0	0.0%	1,283,915	1,076,342	19.3%	279,533	145,865	91.6%
COPPER	H1E	0	-	-	12	-	0	-	-	-	0	-	-	47	-	-	0	-	-
COPPER	H2E	0	-	-	23	-	0	-	-	-	0	-	-	136	-	-	0	-	-
COPPER	H3E	0	-	-	6	-	0	-	-	-	0	-	-	107	-	-	0	-	-
COPPER	H4E	0	-	-	0	-	0	-	-	-	0	-	-	169	-	-	0	-	-
COPPER	H5E	0	-	-	0	-	0	-	-	-	0	-	-	12	-	-	0	-	-
GOLD	OG1	0	0	0.0%	18,142	6,338	1.86	0	850	-100.0%	0	0	0.0%	111,766	32,924	239.5%	1,460	1,500	-2.7%
GOLD	OG2	0	0	0.0%	21,315	4,337	3.91	200	0	0.0%	0	0	0.0%	98,738	30,682	221.8%	3,370	2,658	26.8%
GOLD	OG3	0	0	0.0%	13,353	4,079	2.27	150	0	0.0%	0	0	0.0%	105,106	34,911	201.1%	3,900	1,915	103.7%
GOLD	OG4	0	0	0.0%	7,167	3,201	1.24	0	0	0.0%	0	0	0.0%	70,070	19,489	259.5%	1,750	250	600.0%
GOLD	OG5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	26,028	9,631	170.3%	0	0	0.0%
HOT ROLLED COIL STEEL CALL	HRO	0	0	0.0%	0	0	0	0	330	-100.0%	0	0	0.0%	0	0	0.0%	0	330	-100.0%
IRON ORE 62 CHINA TSI CALL C	ICT	0	0	0.0%	0	0	0	0	988	-100.0%	0	0	0.0%	0	0	0.0%	200	16,810	-98.8%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	0	1,700	-100.0%	0	0	0.0%	0	0	0.0%	1,280	25,355	-95.0%
NYMEX PLATINUM	PO	0	0	0.0%	1,250	955	0.31	1,650	1,080	52.8%	0	0	0.0%	18,597	10,884	70.9%	21,501	15,981	34.5%
PALLADIUM	PAO	0	0	0.0%	747	1,198	-0.38	351	7,710	-95.4%	0	0	0.0%	14,567	11,589	25.7%	13,168	46,635	-71.8%
SILVER	SO1	0	0	0.0%	1,204	124	8.71	0	0	0.0%	0	0	0.0%	4,978	641	676.6%	0	25	-100.0%
SILVER	SO2	0	0	0.0%	1,036	19	53.53	0	0	0.0%	0	0	0.0%	4,204	213	1,873.7%	0	0	0.0%
SILVER	SO3	0	0	0.0%	666	4	165.5	0	0	0.0%	0	0	0.0%	6,024	589	922.8%	0	0	0.0%
SILVER	SO4	0	0	0.0%	385	59	5.53	0	0	0.0%	0	0	0.0%	3,177	187	1,598.9%	0	0	0.0%
SILVER	SO5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	2,092	4	52,200.0%	0	0	0.0%
TOTAL FUTURES GROUP																			
Ag Products Futures		0	0	0.0%	7	3	133.3%	0	0	0.0%	0	0	0.0%	83	184	-54.9%	0	0	0.0%
Energy Futures		0	0	0.0%	47,215,925	43,729,940	8.0%	2,887,315	2,749,365	5.0%	0	0	0.0%	441,625,625	438,918,583	0.6%	27,268,567	36,594,920	-25.5%
Metals Futures		0	0	0.0%	11,377,412	11,241,222	1.2%	322,464	231,305	39.4%	0	0	0.0%	123,037,129	103,176,197	19.2%	3,709,115	3,092,652	19.9%
TOTAL FUTURES		0	0	0.0%	58,593,344	54,971,165	6.6%	3,209,779	2,980,670	7.7%	0	0	0.0%	564,662,837	542,094,964	4.2%	30,977,682	39,687,572	-21.9%

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TOTAL OPTIONS GROUP																		
Energy Options	0	0	0.0%	5,567,535	4,174,875	33.4%	2,374,341	2,017,159	17.7%	0	0	0.0%	43,804,176	42,497,366	3.1%	20,141,149	24,625,343	-18.2%
Metals Options	0	0	0.0%	1,235,321	741,676	66.6%	198,029	222,313	-10.9%	0	0	0.0%	9,785,264	7,811,693	25.3%	2,467,280	2,155,375	14.5%
TOTAL OPTIONS	0	0	0.0%	6,802,856	4,916,551	38.4%	2,572,370	2,239,472	14.9%	0	0	0.0%	53,589,440	50,309,059	6.5%	22,608,429	26,780,718	-15.6%
TOTAL COMBINED																		
Ag Products	0	0	0.0%	7	3	133.3%	0	0	0.0%	0	0	0.0%	83	184	-54.9%	0	0	0.0%
Energy	0	0	0.0%	52,783,460	47,904,815	10.2%	5,261,656	4,766,524	10.4%	0	0	0.0%	485,429,801	481,415,949	0.8%	47,409,716	61,220,263	-22.6%
Metals	0	0	0.0%	12,612,733	11,982,898	5.3%	520,493	453,618	14.7%	0	0	0.0%	132,822,393	110,987,890	19.7%	6,176,395	5,248,027	17.7%
GRAND TOTAL	0	0	0.0%	65,396,200	59,887,716	9.2%	5,782,149	5,220,142	10.8%	0	0	0.0%	618,252,277	592,404,023	4.4%	53,586,111	66,468,290	-19.4%