

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
	Commodities and Alternative Investments																		
Futures																			
COCOA TAS	CJ	0	0	0.0%	5	13	-0.62	0	0	0.0%	0	0	0.0%	92	2,607	-96.5%	0	0	0.0%
COFFEE	KT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	41	169	-75.7%	0	0	0.0%
COTTON	TT	0	0	0.0%	1	1	0	0	0	0.0%	0	0	0.0%	20	578	-96.5%	0	0	0.0%
SUGAR 11	YO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	42	418	-90.0%	0	0	0.0%
Energy Futures																			
CRUDE OIL PHY	CL	0	440	-100.0%	19,752,879	23,275,336	-0.15	451,826	690,364	-34.6%	0	20,553	-100.0%	303,456,331	268,962,925	12.8%	6,592,172	7,583,942	-13.1%
CRUDE OIL	WS	0	0	0.0%	126	0	0	974	8,500	-88.5%	0	0	0.0%	430	0	0.0%	75,170	94,907	-20.8%
MINY WTI CRUDE OIL	QM	0	0	0.0%	167,645	228,651	-0.27	0	0	0.0%	0	0	0.0%	3,001,906	3,380,972	-11.2%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	1,251,113	2,078,257	-0.4	43,495	20,018	117.3%	0	344	-100.0%	21,532,029	23,488,440	-8.3%	307,860	220,759	39.5%
HEATING OIL PHY	HO	0	157	-100.0%	3,313,013	3,033,469	0.09	191,402	222,485	-14.0%	0	1,155	-100.0%	40,801,119	36,223,096	12.6%	2,795,077	2,473,107	13.0%
HTG OIL	BH	0	0	0.0%	0	0	0	0	76	-100.0%	0	36	-100.0%	144	0	0.0%	196	5,398	-96.4%
MINY HTG OIL	QH	0	0	0.0%	3	5	-0.4	0	0	0.0%	0	0	0.0%	35	105	-66.7%	0	0	0.0%
RBOB PHY	RB	0	25	-100.0%	3,182,391	2,983,323	0.07	186,082	170,033	9.4%	0	620	-100.0%	46,507,031	42,115,962	10.4%	3,403,878	2,265,039	50.3%
MINY RBOB GAS	QU	0	0	0.0%	4	2	1	0	0	0.0%	0	0	0.0%	51	51	0.0%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	64,002	21,704	1.95	88,226	111,735	-21.0%	0	800	-100.0%	457,801	245,222	86.7%	1,211,222	1,325,522	-8.6%
LTD NAT GAS	HH	0	0	0.0%	164,086	93,311	0.76	151,502	297,272	-49.0%	0	0	0.0%	1,572,338	892,542	76.2%	1,967,208	2,059,182	-4.5%
MINY NATURAL GAS	QG	0	0	0.0%	40,333	48,392	-0.17	12	0	0.0%	0	0	0.0%	311,933	338,981	-8.0%	12	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%	120	2,946	-95.9%
NATURAL GAS PHY	NG	0	103	-100.0%	10,161,798	9,427,428	0.08	338,810	374,884	-9.6%	0	1,775	-100.0%	104,831,796	94,599,257	10.8%	3,560,001	2,867,810	24.1%
RBOB GAS	RT	0	0	0.0%	0	0	0	1,910	2,176	-12.2%	0	0	0.0%	0	0	0.0%	28,456	19,381	46.8%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	0	326	-100.0%	0	0	0.0%	0	0	0.0%	1,035	3,291	-68.6%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	0	0	0	0	90	-100.0%	0	0	0.0%	0	0	0.0%	175	397	-55.9%
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	240	-100.0%
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	6,224	-100.0%
ALGONQUIN CITYGATES BASIS	B4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	8,161	-100.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	0	0	0	0	124	-100.0%	0	0	0.0%	0	0	0.0%	0	245	-100.0%
ANR OKLAHOMA	NE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,787	-100.0%
APPALACHIAN COAL (PHY)	QL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	130	-100.0%

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Energy Futures																			
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	300	0	0	30,055	8,663	246.9%	0	0	0.0%	360	0	0.0%	189,937	144,567	31.4%
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	3,877	1,035	274.6%	0	0	0.0%	0	0	0.0%	32,339	18,219	77.5%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	1,394	596	133.9%	0	0	0.0%	0	0	0.0%	12,890	10,114	27.4%
AUSTRIALIAN COKE COAL	ACT	0	-	-	0	-	-	120	-	-	0	-	-	0	-	-	240	-	-
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0	0	0	252	-100.0%	0	0	0.0%	0	0	0.0%	1,003	4,821	-79.2%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0	0	0	250	-100.0%	0	0	0.0%	0	0	0.0%	578	2,293	-74.8%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	4,247	2,670	59.1%	0	0	0.0%	0	0	0.0%	34,990	22,091	58.4%
BRENT CFD SWAP	6W	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	0	192	-100.0%	0	0	0.0%	0	0	0.0%	43,043	3,094	1,291.2%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,424	-100.0%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	96	0	0.0%	0	0	0.0%	0	0	0.0%	426	2,513	-83.0%
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%	7,940	17,930	-55.7%
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	446	-100.0%	0	0	0.0%	0	0	0.0%	7,344	20,906	-64.9%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	999	13,180	-92.4%
CENTERPOINT EAST INDEX	II	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	740	-100.0%
CENTER POINT NAT GAS FIXED	DAC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	325	74	3.39	95,279	174,934	-45.5%	0	0	0.0%	4,529	11,087	-59.2%	1,338,269	1,310,595	2.1%
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	570	150	280.0%	0	0	0.0%	0	0	0.0%	2,208	2,888	-23.5%
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%	0	2,090	-100.0%
CIG BASIS	CI	0	0	0.0%	0	0	0	0	519	-100.0%	0	0	0.0%	0	0	0.0%	1,456	82,139	-98.2%
CIG ROCKIES NG INDEX SWA	Z8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	720	1,054	-31.7%
CINERGY HUB OFF-PEAK MON	EJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
CINERGY HUB PEAK MONTH	EM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	K2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	326,080	322,440	1.1%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	0	0	1,220	1,164	4.8%	0	0	0.0%	0	0	0.0%	19,513	22,007	-11.3%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	0	163,440	-100.0%	0	0	0.0%	0	0	0.0%	397,000	1,216,464	-67.4%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0	0	0	1,790	-100.0%	0	0	0.0%	0	0	0.0%	25,625	68,221	-62.4%
COAL SWAP	ACM	0	0	0.0%	0	0	0	45	55	-18.2%	0	0	0.0%	0	0	0.0%	1,720	3,078	-44.1%
COAL SWAP	SSI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	187	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	122	-100.0%	999	21,919	-95.4%

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Energy Futures																			
COLUMBIA GULF MAIN NAT G	L2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,208	-100.0%	
COLUMBIA GULF NAT GAS FIXE	DCE	-	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	868	-100.0%	0	0	0.0%	0	0	0.0%	1,332	3,976	-66.5%	
CONWAY NATURAL GASOLINE	8L	0	0	0.0%	0	0	0	34	0.0%	0	0	0.0%	0	0	0.0%	2,984	1,691	76.5%	
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	259	165	57.0%	0	0	0.0%	0	0	0.0%	8,299	2,760	200.7%
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	0	0	0	10,777	8,073	33.5%	0	0	0.0%	58	0	0.0%	109,736	88,313	24.3%
CRUDE OIL	CHB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
CRUDE OIL	LPS	0	0	0.0%	0	0	0	4,130	3,922	5.3%	0	0	0.0%	203	0	0.0%	45,996	57,915	-20.6%
CRUDE OIL OUTRIGHTS	37	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	42	0	0	0.0%	0	0	0	632	184	243.5%	0	0	0.0%	0	0	0.0%	6,419	1,195	437.2%
CRUDE OIL OUTRIGHTS	CC5	0	-	-	0	-	0	90	-	-	0	-	0	-	-	0	690	-	-
CRUDE OIL OUTRIGHTS	CPD	0	-	-	0	-	0	700	-	-	0	-	0	-	-	0	700	-	-
CRUDE OIL OUTRIGHTS	CSN	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	30	-	-
CRUDE OIL OUTRIGHTS	CSW	0	0	0.0%	0	0	0	85	120	-29.2%	0	0	0.0%	0	0	0.0%	2,790	2,305	21.0%
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,036	850	139.5%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	330	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	0	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	200	230	-13.0%
CRUDE OIL OUTRIGHTS	HTT	0	0	0.0%	0	0	0	35,143	6,987	403.0%	0	0	0.0%	0	0	0.0%	245,508	30,135	714.7%
CRUDE OIL OUTRIGHTS	LSW	0	-	-	0	-	0	285	-	-	0	-	0	-	-	0	4,410	-	-
CRUDE OIL OUTRIGHTS	SSW	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	960	-	-
CRUDE OIL OUTRIGHTS	UMD	0	-	-	0	-	0	600	-	-	0	-	0	-	-	0	600	-	-
CRUDE OIL OUTRIGHTS	UNS	0	-	-	0	-	0	1,878	-	-	0	-	0	-	-	0	1,878	-	-
CRUDE OIL OUTRIGHTS	WCC	0	0	0.0%	0	0	0	70	1,650	-95.8%	0	0	0.0%	0	0	0.0%	24,807	53,369	-53.5%
CRUDE OIL OUTRIGHTS	WCW	0	-	-	0	-	0	15,780	-	-	0	-	0	-	-	0	88,576	-	-
CRUDE OIL PHY	CLL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CRUDE OIL SPRDS	38	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	675	-100.0%
CRUDE OIL SPRDS	WTT	0	0	0.0%	0	0	0	51,458	2,110	2,338.8%	0	0	0.0%	50	0	0.0%	191,972	45,727	319.8%
CRUDE OIL TRADE AT MARKER	CLS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	AOR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	IDO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	NOC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PEO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PNO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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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	2,720	-100.0%	
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%	1,400	200	600.0%	
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0	0	1,230	-100.0%	0	0	0.0%	0	0	0.0%	14,450	21,815	-33.8%	
DEMARC INDEX FUTURE	DI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	800	-100.0%	
DEMARC SWING SWAP	DT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	62	-100.0%	
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	0	225	-100.0%	
DIESEL 10PPM BARGES FOB B	U7	0	-	-	0	-	0	-	-	0	-	-	0	-	-	3	-	-	
DIESEL10PPM BARG VS ICE LS	LSE	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
DLY GAS EURO-BOB OXY	GBR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%	
DOMINION TRAN INC - APP I	IH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,920	20,026	-85.4%	
DOMINION TRANSMISSION INC	PG	0	0	0.0%	0	0	0	6,397	-100.0%	0	0	0.0%	0	366	-100.0%	53,117	229,929	-76.9%	
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0	50	0	0.0%	0	0	0.0%	0	0	0.0%	50	275	-81.8%	
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0	1,910	6,630	-71.2%	0	0	0.0%	0	0	0.0%	83,846	30,297	176.7%	
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%	1,500	0	0.0%	
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0	15	800	-98.1%	0	0	0.0%	0	0	0.0%	4,870	14,967	-67.5%	
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	1,255	398	215.3%	
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	301	921	-67.3%	0	0	0.0%	0	0	0.0%	7,945	11,593	-31.5%	
ELEC ERCOT DLY OFF PK	R4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
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	0.0%	0	0	0.0%	
ELEC ERCOT DLY PEAK	R1	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ELEC ERCOT OFF PEAK	O1	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ELEC FINSETTLED	47	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,270	-100.0%	
ELEC FINSETTLED	49	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ELEC MISO PEAK	4L	0	0	0.0%	0	0	0	215	-100.0%	0	0	0.0%	0	0	0.0%	3,825	215	1,679.1%	
ELEC MISO PEAK	55	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ELEC NYISO OFF-PEAK	4M	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	70,200	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%	

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Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
ELECTRICITY ERCOT PEAK	ERE	0	-	-	0	-	0	-	-	0	-	-	0	-	-	690	-	-	
ELECTRICITY OFF PEAK	46	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	23,480	-100.0%	
ELECTRICITY OFF PEAK	4P	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
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	1,840	-100.0%	
ELEC WEST POWER PEAK	MDC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,540	5,390	-71.4%	
EL PASO PERMIAN INDEX SWA	IL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,612	-100.0%	
EMMISSIONS	CPL	-	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	-	-	3,880	-	-	
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	76,320	0.0%	0	0	0.0%	0	0	0.0%	191,440	4,280	4,372.9%	
ERCOT NORTH ZMCPE 5MW PE	I5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6,810	235	2,797.9%	
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	0	1,636	-70.6%	0	0	0.0%	0	0	0.0%	45,681	33,306	37.2%	
EU LOW SULPHUR GASOIL CRA	LSC	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	18	241	-92.5%	
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	0	171	-83.9%	0	0	0.0%	0	0	0.0%	5,048	4,754	6.2%	
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	0	735	-100.0%	0	0	0.0%	0	0	0.0%	4,466	9,548	-53.2%	
EURO-DENOMINATED PETRO P	IBE	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
EURO-DENOMINATED PETRO P	NCP	0	0	0.0%	0	0	0	756	-100.0%	0	0	0.0%	0	0	0.0%	1,514	1,112	36.2%	
EURO GASOIL 10 CAL SWAP	GT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%	
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	0	0	0	102	-100.0%	0	0	0.0%	0	0	0.0%	430	796	-46.0%	
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0	0	56	-30.0%	0	0	0.0%	0	0	0.0%	765	1,550	-50.6%	
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0	0	8	-100.0%	0	0	0.0%	0	0	0.0%	39	142	-72.5%	
EUROPE 3.5% FUEL OIL MED	UI	0	0	0.0%	0	0	0	43	-91.2%	0	0	0.0%	0	0	0.0%	1,744	4,552	-61.7%	
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	0	7,309	-41.1%	0	0	0.0%	0	0	0.0%	85,392	91,563	-6.7%	
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	601	11,179	-0.95	0	0.0%	0	0	0.0%	31,363	1,496,787	-97.9%	58	77,400	-99.9%	
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	0	267	-7.0%	0	0	0.0%	0	0	0.0%	3,923	2,257	73.8%	
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	0	5,416	-17.3%	0	0	0.0%	0	0	0.0%	80,745	69,363	16.4%	
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,540	26,638	-90.5%	
EUROPE JET KERO NWE CALS	UJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	105	38	176.3%	
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	0	2,234	23.0%	0	0	0.0%	0	0	0.0%	31,941	18,916	68.9%	
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	0	1,036	-7.8%	0	0	0.0%	0	0	0.0%	15,311	15,813	-3.2%	
FL GAS ZONE 3 NAT GAS IND	Q9	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	8,310	-100.0%	

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Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
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	5,449	-100.0%	
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	175	268	-34.7%	0	0	0.0%	0	0	0.0%	1,797	2,557	-29.7%	
FREIGHT MARKETS	FRS	0	-	-	0	-	50	-	-	0	-	-	0	-	-	50	-	-	
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	1,631	2,704	-39.7%	0	0	0.0%	0	0	0.0%	41,030	51,192	-19.9%	
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%	0	32	-100.0%	
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	20	1,279	-98.4%	
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	54	-100.0%	
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	112	190	-41.1%	0	0	0.0%	0	0	0.0%	3,086	4,029	-23.4%	
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	3,565	5,234	-31.9%	0	0	0.0%	0	0	0.0%	72,390	82,333	-12.1%	
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	14,611	18,496	-21.0%	0	0	0.0%	0	0	0.0%	223,046	176,701	26.2%	
GASOIL 0.1 BRGS FOB VS IC	6V	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6	-100.0%	
GASOIL 0.1 CARGOES CIF NE	TW	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
GASOIL 0.1 CIF MED BALMO	X6	-	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	95	-100.0%	
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	195	-74.4%	
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	50	-100.0%	
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%	20	5	300.0%	
GASOIL 0.1 CRG CIF NW VS	4V	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%	
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	60	0	0.0%	0	0	0.0%	0	0	0.0%	354	120	195.0%	
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	15	0	0.0%	0	0	0.0%	0	0	0.0%	170	30	466.7%	
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%	25	15	66.7%	
GASOIL 10PPM CARGOES CIF	TY	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%	
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	44	-100.0%	0	0	0.0%	0	0	0.0%	727	948	-23.3%	
GASOIL BULLET SWAP	BG	0	0	0.0%	0	0	330	0	0.0%	0	0	0.0%	0	0	0.0%	460	0	0.0%	
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	0	23	-100.0%	0	0	0.0%	0	0	0.0%	244	352	-30.7%	
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	2,394	8,784	-72.7%	0	0	0.0%	0	0	0.0%	77,557	64,857	19.6%	
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	144	144	0.0%	0	0	0.0%	0	0	0.0%	1,613	2,779	-42.0%	
GASOLINE UP-DOWN BALMO S	1K	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	810	-100.0%	
GC ULSD VS GC JET SPREAD	VV	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	125	300	-58.3%	
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	5,390	2,237	140.9%	0	0	0.0%	0	0	0.0%	53,220	32,645	63.0%	
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	1,505	395	281.0%	0	0	0.0%	0	0	0.0%	13,644	16,815	-18.9%	
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	4,255	985	332.0%	0	0	0.0%	0	0	0.0%	16,992	9,584	77.3%	
GULF COAST GASOLINE CLND	GS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,300	-100.0%	

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Energy Futures																			
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	282	120	135.0%	0	0	0.0%	0	0	0.0%	1,270	1,923	-34.0%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	25,008	34,907	-28.4%	0	0	0.0%	0	0	0.0%	480,097	388,037	23.7%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	59,264	51,184	15.8%	0	0	0.0%	0	0	0.0%	629,301	681,964	-7.7%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	1,730	6,166	-71.9%	0	0	0.0%	0	0	0.0%	19,411	15,814	22.7%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	379	1,345	-71.8%	0	0	0.0%	0	3	-100.0%	5,953	10,569	-43.7%
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	3,870	6,981	-44.6%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	227	0	0.0%	0	0	0.0%	0	0	0.0%	1,057	479	120.7%
HEATING OIL CRCK SPRD BAL	1H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
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%
HEATING OIL VS ICE GASOIL	HA	-	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	579	-1	0	1,426	-100.0%	0	0	0.0%	2,996	1,617	85.3%	49,736	198,938	-75.0%
HENRY HUB FINANCIAL LAST	NBP	0	-	-	1,069	-	0	-	-	-	0	-	-	5,326	-	-	0	-	-
HENRY HUB FINANCIAL LAST	TTE	0	-	-	294	-	0	-	-	-	0	-	-	1,181	-	-	0	-	-
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	0	2,418	-100.0%	0	0	0.0%	2,996	0	0.0%	47,546	181,858	-73.9%
HENRY HUB SWAP	NN	0	0	0.0%	9,242	115,939	-0.92	215,989	242,363	-10.9%	0	1,472	-100.0%	74,411	2,166,880	-96.6%	2,201,276	2,831,360	-22.3%
HENRY HUB SWING FUTURE	SN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	290	-100.0%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	93	-1	0	1,355	-100.0%	0	0	0.0%	0	1,195	-100.0%	9,257	30,653	-69.8%
HOUSTON SHIP CHANNEL INDE	IP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	186	-100.0%
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	0	0.0%
ICE BRENT DUBAI SWAP	DB	0	0	0.0%	0	0	0	2,267	11,082	-79.5%	0	0	0.0%	0	0	0.0%	119,797	33,163	261.2%
ICE GASOIL BALMO SWAP	U9	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	9	-	-
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0	0	0	1,250	-100.0%	0	0	0.0%	0	225	-100.0%	2,850	37,016	-92.3%
INDIANA MISO	FAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	FDM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
INDIANA MISO	FTD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	FTM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PDD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	112	-100.0%
INDIANA MISO	PDM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PTD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PTM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDONESIAN COAL	MCC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	220	-97.7%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	20	-50.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	755	573	31.8%	0	0	0.0%	0	0	0.0%	7,398	4,944	49.6%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	1,634	1,715	-4.7%	0	0	0.0%	0	0	0.0%	18,408	15,520	18.6%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	8	81	-90.1%	0	0	0.0%	0	0	0.0%	1,418	486	191.8%
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%	36	172	-79.1%
JET BARGES VS ICE GASOIL	JR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	22	-100.0%
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	0	70	100	-30.0%	0	0	0.0%	0	0	0.0%	1,318	875	50.6%
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	2	150.0%
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%	64	30	113.3%
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	0	4,445	8,020	-44.6%	0	0	0.0%	0	0	0.0%	80,836	57,075	41.6%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	52	-100.0%
LA CARB DIESEL (OPIS) SWA	KL	0	0	0.0%	0	0	0	100	627	-84.1%	0	0	0.0%	0	0	0.0%	2,220	7,904	-71.9%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	450	0	0.0%	0	0	0.0%	0	0	0.0%	3,225	5,950	-45.8%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	25	840	-97.0%
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	0	1,255	900	39.4%	0	0	0.0%	0	0	0.0%	20,120	22,112	-9.0%
LLS (ARGUS) CALENDAR SWAP	XA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	0	9,030	4,280	111.0%	0	0	0.0%	15	0	0.0%	64,975	71,223	-8.8%
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	2,520	6,325	-60.2%	0	0	0.0%	70	0	0.0%	36,469	54,086	-32.6%
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	100	0	0	25,190	14,360	75.4%	0	0	0.0%	1,050	0	0.0%	258,956	140,258	84.6%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	3,209	939	241.7%	0	0	0.0%	200	0	0.0%	17,977	19,795	-9.2%
MCCLOSKY ARA ARGS COAL	MTF	0	0	0.0%	0	0	0	19,098	49,614	-61.5%	0	0	0.0%	0	0	0.0%	501,070	1,793,838	-72.1%
MCCLOSKY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	2,564	8,906	-71.2%	0	0	0.0%	0	0	0.0%	55,540	191,521	-71.0%
MGF FUT	MGF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	316	100	216.0%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	52	140	-62.9%	0	0	0.0%	0	0	0.0%	1,126	1,689	-33.3%
MICHCON NG INDEX SWAP	Y8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,200	-100.0%
MICHIGAN BASIS	NF	0	0	0.0%	0	149	-1	0	824	-100.0%	0	0	0.0%	0	1,188	-100.0%	2,748	26,158	-89.5%
MICHIGAN MISO	HMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	106,440	127,640	-16.6%
MICHIGAN MISO	HMW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5,730	7,240	-20.9%
MINI GAS EUROBOB OXY NWE	MEB	0	0	0.0%	0	0	0	668	690	-3.2%	0	0	0.0%	0	0	0.0%	5,378	5,429	-0.9%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	120	50	140.0%	0	0	0.0%	0	0	0.0%	5,846	3,891	50.2%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	1,412	4,504	-68.7%	0	0	0.0%	0	0	0.0%	26,045	21,690	20.1%
MJB FUT	MJB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
MJC FUT	MJC	0	0	0.0%	0	0	0	235	0	0.0%	0	0	0.0%	0	0	0.0%	1,540	895	72.1%
MNC FUT	MNC	0	0	0.0%	0	0	0	1,845	4,025	-54.2%	0	0	0.0%	0	0	0.0%	45,690	47,818	-4.5%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	14,734	51,587	-71.4%	0	0	0.0%	0	0	0.0%	256,776	590,762	-56.5%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	335	375	-10.7%	0	0	0.0%	0	0	0.0%	3,205	1,920	66.9%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
MONT BELVIEU LDH PROPANE	B0	0	0.0%	97	12	7.08	100,425	85,867	17.0%	0	0	0.0%	498	170	192.9%	1,121,635	1,345,368	-16.6%	
MONT BELVIEU LDH PROPANE	8O	0	0.0%	0	0	0	1,502	2,283	-34.2%	0	0	0.0%	0	0	0.0%	19,536	12,068	61.9%	
MONT BELVIEU NATURAL GAS	7Q	0	0.0%	0	0	0	21,700	4,670	364.7%	0	0	0.0%	20	0	0.0%	85,486	91,566	-6.6%	
MONT BELVIEU NATURAL GAS	R0	0	0.0%	0	0	0	323	200	61.5%	0	0	0.0%	0	0	0.0%	3,667	1,981	85.1%	
MONT BELVIEU NORMAL BUTA	D0	0	0.0%	0	0	0	18,774	38,249	-50.9%	0	0	0.0%	0	0	0.0%	346,444	345,287	0.3%	
MONT BELVIEU NORMAL BUTA	8J	0	0.0%	0	0	0	696	736	-5.4%	0	0	0.0%	0	0	0.0%	8,436	7,211	17.0%	
NAT GAS BASIS SWAP	SGW	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NAT GAS BASIS SWAP	TZ6	0	0.0%	0	0	0	0	856	-100.0%	0	0	0.0%	0	0	0.0%	2,587	38,064	-93.2%	
NATURAL GAS	HBI	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,540	-100.0%	
NATURAL GAS	XIC	0	-	0	-	-	0	-	-	0	-	-	0	-	-	44	-	-	
NATURAL GAS	XSC	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NATURAL GAS FIXED PRICE S	CFS	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NATURAL GAS FIXED PRICE S	DSF	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	360	0	0.0%	
NATURAL GAS FIXED PRICE S	MFS	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NATURAL GAS FIXED PRICE S	PFS	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NATURAL GAS FIXED PRICE S	WFS	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NATURAL GAS FIXED PRICE S	Z5P	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NATURAL GAS FIXED PRICE S	ZTS	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NATURAL GAS INDEX	TZI	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	656	6,702	-90.2%	
NATURAL GAS PEN SWP	NP	0	0.0%	0	0	0	47,572	101,696	-53.2%	0	92	-100.0%	62	0	0.0%	973,317	1,329,371	-26.8%	
NEPOOL CNCTCT 5MW D AH O	P3	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	11,925	-100.0%	
NEPOOL CONECTIC 5MW D AH	P2	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	635	-100.0%	
NEPOOL INTR HUB 5MW D AH	H2	0	0.0%	0	0	0	0	7,440	-100.0%	0	0	0.0%	0	0	0.0%	235,140	519,369	-54.7%	
NEPOOL INTR HUB 5MW D AH	U6	0	0.0%	0	0	0	0	1,275	-100.0%	0	0	0.0%	0	0	0.0%	17,275	45,635	-62.1%	
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%	14,040	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%	765	640	19.5%	
NEPOOL NEW HAMP 5MW D AH	U2	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEPOOL NEW HAMP 5MW D AH	U3	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEPOOL RHD ISLD 5MW D AH	U4	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEPOOL RHODE IL 5MW D AH	U5	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEPOOL SE MASS 5MW D AH O	P5	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEPOOL SE MASS 5MW D AH P	P4	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEPOOL W CNT MASS 5MW D A	L9	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,000	-100.0%	
NEPOOL W CNTR M 5MW D AH	R6	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,685	-100.0%	

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEW YORK ETHANOL SWAP	EZ	0	0	0.0%	0	0	0	1,570	80.5%	0	0	0.0%	0	0	0.0%	10,820	17,875	-39.5%	
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,674	30,002	-84.4%	
NGPL MIDCONTINENT INDEX	IW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	7,841	-100.0%	
NGPL MIDCONTINENT SWING S	PX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	620	-100.0%	
NGPL TEX/OK	PD	0	0	0.0%	0	0	0	1,880	-100.0%	0	0	0.0%	0	0	0.0%	9,214	33,872	-72.8%	
NGPL TEXOK INDEX	OI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	360	-100.0%	
N ILLINOIS HUB DAILY	UD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
N ILLINOIS HUB MTHLY	UM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NO 2 UP-DOWN SPREAD CALE	UT	0	0	0.0%	0	0	0	100	-86.7%	0	0	0.0%	0	0	0.0%	3,759	3,412	10.2%	
NORTHEN NATURAL GAS DEM	PE	0	0	0.0%	0	0	0	124	-100.0%	0	0	0.0%	0	0	0.0%	0	4,113	-100.0%	
NORTHEN NATURAL GAS VENT	PF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	132	9,216	-98.6%	
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	478	-1	0	-100.0%	0	0	0.0%	0	4,326	-100.0%	3,088	178,382	-98.3%	
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	334	0	0.0%	
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	2,380	-35.6%	0	0	0.0%	0	0	0.0%	25,857	29,944	-13.6%	
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	489	-100.0%	
NY 3.0% FUEL OIL (PLATTS	H1	0	0	0.0%	0	0	0	150	0.0%	0	0	0.0%	0	0	0.0%	3,410	2,450	39.2%	
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	25	151	-83.4%	
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	0	0	0	1,255	-75.0%	0	45	-100.0%	3	12	-75.0%	24,736	29,249	-15.4%	
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	1,555	-100.0%	0	0	0.0%	0	0	0.0%	4,273	6,586	-35.1%	
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	2,481	56.0%	0	0	0.0%	0	0	0.0%	28,543	39,080	-27.0%	
NY HARBOR RESIDUAL FUEL C	ML	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	210	-76.4%	0	0	0.0%	0	0	0.0%	14,244	22,662	-37.1%	
NY H OIL PLATTS VS NYMEX	YH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
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	0	12	-100.0%	0	0	0.0%	0	0	0.0%	453	318	42.5%	
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	72	-100.0%	0	0	0.0%	0	0	0.0%	2,306	1,977	16.6%	
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	2,899	2,473	17.2%	
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%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
NYISO J	KJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	172	-100.0%	
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	80	-100.0%	
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0	0	18,720	-100.0%	0	0	0.0%	0	0	0.0%	32,760	258,085	-87.3%	
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0	420	0	0.0%	0	0	0.0%	0	0	0.0%	7,235	6,560	10.3%	
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	54,290	-100.0%	
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%	110	1,512	-92.7%	
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0	9,344	0	0.0%	0	0	0.0%	0	0	0.0%	789,929	444,481	77.7%	
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	3,064	5,620	-45.5%	0	0	0.0%	0	0	0.0%	60,668	40,288	50.6%	
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%	226,600	195,471	15.9%	
NYISO ZONE J 5MW D AH PK	D3	0	0	0.0%	0	0	2,550	0	0.0%	0	0	0.0%	0	0	0.0%	29,340	14,431	103.3%	
NY JET FUEL (PLATTS) HEAT OI	1U	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
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	1,762	-100.0%	0	0	0.0%	0	0	0.0%	8,245	9,621	-14.3%	
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,788	1,411	26.7%	
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	160	-100.0%	
ONTARIO POWER SWAPS	OFM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,750	-100.0%	
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	510	490	4.1%	
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0	0	105	-100.0%	0	0	0.0%	0	0	0.0%	650	545	19.3%	
PANHANDLE BASIS SWAP FUT	PH	0	0	0.0%	0	112	-1	0	1,712	-100.0%	0	0	0.0%	1,114	-100.0%	3,060	96,028	-96.8%	
PANHANDLE INDEX SWAP FUT	IV	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,472	-100.0%	
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,228	0	0.0%	
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0	0	856	-100.0%	0	0	0.0%	0	0	0.0%	1,381	62,078	-97.8%	
PETROCHEMICALS	22	0	0	0.0%	0	0	242	38	536.8%	0	0	0.0%	0	0	0.0%	1,165	592	96.8%	
PETROCHEMICALS	32	0	0	0.0%	0	0	80	151	-47.0%	0	0	0.0%	0	0	0.0%	1,281	817	56.8%	
PETROCHEMICALS	8I	0	0	0.0%	0	0	475	435	9.2%	0	0	0.0%	0	0	0.0%	7,021	3,257	115.6%	
PETROCHEMICALS	91	0	0	0.0%	0	0	407	182	123.6%	0	0	0.0%	0	0	0.0%	3,497	2,007	74.2%	
PETROCHEMICALS	HPE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	48	-100.0%	
PETROCHEMICALS	JKM	0	-	-	0	-	595	-	-	0	-	-	0	-	-	1,320	-	-	
PETROCHEMICALS	LPE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETROCHEMICALS	MAC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	110	-54.5%	
PETROCHEMICALS	MAE	0	0	0.0%	0	0	70	10	600.0%	0	0	0.0%	0	0	0.0%	570	455	25.3%	
PETROCHEMICALS	MAS	0	0	0.0%	0	0	30	20	50.0%	0	0	0.0%	0	0	0.0%	405	1,010	-59.9%	
PETROCHEMICALS	MBE	0	0	0.0%	0	0	130	1,685	-92.3%	0	0	0.0%	0	0	0.0%	12,370	32,365	-61.8%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	733	632	16.0%	0	0	0.0%	0	0	0.0%	19,968	21,979	-9.1%
PETROCHEMICALS	MPS	0	-	-	0	-	80	-	-	0	-	-	0	-	-	180	-	-	
PETRO CRCKS & SPRDS ASIA	JNC	0	-	-	0	-	0	-	-	0	-	-	0	-	-	150	-	-	
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	182	1,050	-82.7%	
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	264	64	312.5%	
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	792	0	0.0%	0	0	0.0%	0	0	0.0%	2,480	230	978.3%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	350	300	16.7%	0	0	0.0%	0	0	0.0%	3,130	1,509	107.4%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	1,808	2,371	-23.7%	0	0	0.0%	0	0	0.0%	28,899	20,434	41.4%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	675	790	-14.6%	0	0	0.0%	0	0	0.0%	7,878	11,945	-34.0%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	650	2,120	-69.3%	0	0	0.0%	0	0	0.0%	13,553	4,760	184.7%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	0	475	-100.0%	0	0	0.0%	0	0	0.0%	1,310	2,975	-56.0%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	730	1,817	-59.8%	0	0	0.0%	0	0	0.0%	11,328	15,304	-26.0%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	0	322	-100.0%	0	0	0.0%	0	0	0.0%	59	388	-84.8%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	7,572	6,946	9.0%	0	0	0.0%	0	0	0.0%	73,204	88,311	-17.1%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	20	0	0.0%	0	0	0.0%	0	0	0.0%	555	379	46.4%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	2,097	2,695	-22.2%	0	0	0.0%	0	0	0.0%	35,033	38,059	-8.0%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	75	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	109	1,008	-89.2%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,125	490	129.6%
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	450	-100.0%
PETRO CRCKS & SPRDS NA	RBB	0	0	0.0%	0	0	0	2,039	13,289	-84.7%	0	0	0.0%	0	0	0.0%	86,718	128,539	-32.5%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	7,809	11,320	-31.0%	0	0	0.0%	0	0	0.0%	181,036	109,698	65.0%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	64	-76.6%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	780	1,758	-55.6%	0	0	0.0%	0	0	0.0%	13,999	19,445	-28.0%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	525	0	0.0%
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	123	222	-44.6%	0	0	0.0%	0	0	0.0%	3,619	2,378	52.2%
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	736	2,412	-69.5%	0	0	0.0%	0	0	0.0%	20,260	29,875	-32.2%
PETRO CRK&SPRD EURO	EGB	0	-	-	0	-	0	-	-	0	-	-	0	-	-	5	-	-	
PETRO CRK&SPRD EURO	EGN	0	-	-	0	-	0	-	-	0	-	-	0	-	-	18	-	-	
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	127	97	30.9%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	709	271	161.6%	0	0	0.0%	0	0	0.0%	6,468	3,179	103.5%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	2,914	3,571	-18.4%	0	0	0.0%	0	0	0.0%	29,725	24,696	20.4%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PETRO CRK&SPRD EURO	FBT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	480	-100.0%	
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	739	1,130	-34.6%	
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	120	139	-13.7%	
PETRO CRK&SPRD EURO	LSU	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	40	275.0%	
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	12	70	-82.9%	0	0	0.0%	0	0	0.0%	910	1,301	-30.1%	
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	5	23	-78.3%	0	0	0.0%	0	0	0.0%	139	221	-37.1%	
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	947	918	3.2%	0	0	0.0%	0	0	0.0%	12,897	6,826	88.9%	
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	178	165	7.9%	
PETRO CRK&SPRD EURO	SFC	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROLEUM PRODUCTS	D44	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROLEUM PRODUCTS	D45	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROLEUM PRODUCTS	D46	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%	
PETROLEUM PRODUCTS	D64	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROLEUM PRODUCTS	D65	-	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	15	-100.0%	0	0	0.0%	0	0	0.0%	0	15	-100.0%	
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	2,496	3,349	-25.5%	0	0	0.0%	0	0	0.0%	32,545	22,001	47.9%	
PETROLEUM PRODUCTS	MBS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	80	559	-85.7%	
PETROLEUM PRODUCTS	MGS	0	-	-	0	-	0	-	-	0	-	-	0	-	-	20	-	-	
PETROLEUM PRODUCTS	MHE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%	
PETROLEUM PRODUCTS	MME	0	-	-	0	-	0	-	-	0	-	-	0	-	-	50	-	-	
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0	18	0	0.0%	0	0	0.0%	0	0	0.0%	118	1,363	-91.3%	
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	209	336	-37.8%	0	0	0.0%	0	0	0.0%	3,223	4,063	-20.7%	
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	35	-100.0%	0	0	0.0%	0	0	0.0%	242	502	-51.8%	
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	1,438	1,470	-2.2%	0	0	0.0%	0	0	0.0%	20,833	16,148	29.0%	
PETROLEUM PRODUCTS ASIA	MSB	0	-	-	0	-	0	-	-	0	-	-	0	-	-	45	-	-	
PETRO OUTRIGHT EURO	0A	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0	0	185	-100.0%	0	0	0.0%	0	0	0.0%	163	1,605	-89.8%	
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	95	-100.0%	0	0	0.0%	0	0	0.0%	70	316	-77.8%	
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	1,197	3,618	-66.9%	0	0	0.0%	0	0	0.0%	26,473	48,318	-45.2%	
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	33	872	-96.2%	0	0	0.0%	0	0	0.0%	4,137	11,781	-64.9%	
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	384	1,049	-63.4%	0	0	0.0%	0	0	0.0%	11,657	15,080	-22.7%	
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	102	20	410.0%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PETRO OUTRIGHT EURO	33	0	0.0%	0	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	80	357	-77.6%	
PETRO OUTRIGHT EURO	5L	0	0.0%	0	0	0	0	238	-100.0%	0	0	0.0%	0	0	0.0%	709	2,397	-70.4%	
PETRO OUTRIGHT EURO	63	0	0.0%	0	0	0	82	235	-65.1%	0	0	0.0%	0	0	0.0%	859	1,840	-53.3%	
PETRO OUTRIGHT EURO	6L	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	7	0	0.0%	
PETRO OUTRIGHT EURO	7I	0	0.0%	0	0	0	50	539	-90.7%	0	0	0.0%	0	0	0.0%	1,207	2,052	-41.2%	
PETRO OUTRIGHT EURO	7P	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETRO OUTRIGHT EURO	7R	0	0.0%	0	0	0	152	352	-56.8%	0	0	0.0%	0	0	0.0%	2,657	3,632	-26.8%	
PETRO OUTRIGHT EURO	88	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	75	60	25.0%	
PETRO OUTRIGHT EURO	CBB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	52	30	73.3%	
PETRO OUTRIGHT EURO	CGB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	6	733.3%	
PETRO OUTRIGHT EURO	CPB	0	0.0%	0	0	0	679	60	1,031.7%	0	0	0.0%	0	0	0.0%	3,532	1,482	138.3%	
PETRO OUTRIGHT EURO	EFF	0	0.0%	0	0	0	13	63	-79.4%	0	0	0.0%	0	0	0.0%	323	597	-45.9%	
PETRO OUTRIGHT EURO	EFM	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	453	823	-45.0%	
PETRO OUTRIGHT EURO	ENS	0	0.0%	0	0	0	240	0	0.0%	0	0	0.0%	0	0	0.0%	420	1,171	-64.1%	
PETRO OUTRIGHT EURO	ESB	0	-	-	0	-	0	-	-	0	-	-	0	-	-	69	-	-	
PETRO OUTRIGHT EURO	EWN	0	0.0%	0	0	0	788	251	213.9%	0	0	0.0%	0	0	0.0%	8,279	2,321	256.7%	
PETRO OUTRIGHT EURO	FBD	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	40	-50.0%	
PETRO OUTRIGHT EURO	MBB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	550	84	554.8%	
PETRO OUTRIGHT EURO	MBN	0	0.0%	0	0	0	600	390	53.8%	0	0	0.0%	0	0	0.0%	11,686	16,658	-29.8%	
PETRO OUTRIGHT EURO	SMU	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	40	340	-88.2%	
PETRO OUTRIGHT EURO	T0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	164	1,328	-87.7%	
PETRO OUTRIGHT EURO	ULB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	375	490	-23.5%	
PETRO OUTRIGHT EURO	V0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	150	390	-61.5%	
PETRO OUTRIGHT EURO	W0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%	
PETRO OUTRIGHT EURO	X0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	150	-100.0%	
PETRO OUTRIGHT EURO	Y0	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETRO OUTRIGHT NA	FCB	0	0.0%	0	0	0	0	510	-100.0%	0	0	0.0%	0	0	0.0%	1,836	3,172	-42.1%	
PETRO OUTRIGHT NA	FOB	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETRO OUTRIGHT NA	FOM	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	8	525.0%	
PETRO OUTRIGHT NA	GBA	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	8	-100.0%	
PETRO OUTRIGHT NA	GUD	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	13	-100.0%	
PETRO OUTRIGHT NA	JE	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	420	439	-4.3%	
PETRO OUTRIGHT NA	JET	0	0.0%	0	0	0	720	7,951	-90.9%	0	0	0.0%	0	0	0.0%	44,806	63,859	-29.8%	
PETRO OUTRIGHT NA	JTB	0	-	-	0	-	125	-	-	0	-	-	0	-	-	3,938	-	-	

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 DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG
Energy Futures																		
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	266	325	-18.2%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	105	648	-83.8%	0	0	0.0%	0	0	0.0%	6,653	7,596	-12.4%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	3,123	7,740	-59.7%	0	0	0.0%	0	0	0.0%	94,727	120,511	-21.4%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	44	35	25.7%	0	0	0.0%	0	0	0.0%	247	1,126	-78.1%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	24	120	-80.0%	0	0	0.0%	0	0	0.0%	534	1,996	-73.2%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	625	225	177.8%
PETRO OUTRIGHT NA	XER	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	261,104	-100.0%	0	0	0.0%	0	0	0.0%	288,349	1,531,162	-81.2%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	1,705	-100.0%	0	0	0.0%	0	0	0.0%	22,831	106,259	-78.5%
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%	46,800	33,695	38.9%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,550	1,795	42.1%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	23,400	-100.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,275	-100.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	85,390	257,480	-66.8%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,675	14,650	-68.1%
PJM DAILY	JD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,300	-100.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	211,995	55,000	285.4%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5,250	23,423	-77.6%
PJM DUQUESNE 5MW D AH PK	D5	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM DUQUS 5MW D AH O PK	D6	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM JCPL DA OFF-PEAK	F2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM JCPL DA PEAK	J2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0	0	19,335	-100.0%	0	0	0.0%	0	0	0.0%	79,300	94,649	-16.2%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	0	718,970	-100.0%	0	0	0.0%	0	0	0.0%	1,719,650	2,607,547	-34.1%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0	0	112,060	-100.0%	0	0	0.0%	0	0	0.0%	689,738	1,186,752	-41.9%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	0	1,128	-100.0%	0	0	0.0%	0	0	0.0%	39,492	48,608	-18.8%
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	140	-100.0%
PJM PECO ZONE5MW PEAK CA	4N	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PEPCO DA OFF-PEAK	Q8	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM PPL DA OFF-PEAK	F5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Futures																			
PJM PPL DA PEAK	L5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	163,800	-100.0%	
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,100	-100.0%	
PJM WES HUB PEAK LMP 50 M	4S	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0	0	304,100	-100.0%	0	0	0.0%	0	0	0.0%	54,300	1,129,110	-95.2%	
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0	0	16,660	-100.0%	0	0	0.0%	0	0	0.0%	8,620	62,333	-86.2%	
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	23,360	553,310	-95.8%	0	0	0.0%	0	0	0.0%	2,208,775	6,738,450	-67.2%	
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	14,725	40,975	-64.1%	0	0	0.0%	0	0	0.0%	223,316	657,190	-66.0%	
PLASTICS	PGP	0	0	0.0%	0	0	280	250	12.0%	0	0	0.0%	0	0	0.0%	6,264	5,129	22.1%	
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	50	98	-49.0%	0	0	0.0%	0	0	0.0%	914	2,889	-68.4%	
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	23	-100.0%	0	0	0.0%	0	0	0.0%	162	382	-57.6%	
PREM UNL GAS 10PPM RDAM F	7N	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	7	7	0.0%	
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%	37	274	-86.5%	
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	325	150	116.7%	0	0	0.0%	0	0	0.0%	5,252	5,997	-12.4%	
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	8,530	12,004	-28.9%	0	0	0.0%	0	0	0.0%	87,065	138,706	-37.2%	
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	3,881	7,423	-47.7%	0	0	0.0%	5	0	0.0%	83,814	80,682	3.9%	
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	555	3,479	-84.0%	0	0	0.0%	0	0	0.0%	11,362	18,804	-39.6%	
RBOB CRACK SPREAD BALMO	1E	0	0	0.0%	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	0	410	-100.0%	
RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	1,880	2,583	-27.2%	0	0	0.0%	0	0	0.0%	12,245	11,080	10.5%	
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	0.0%	0	297	-100.0%	
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	0.0%	0	9,203	-100.0%	
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0	650	4,375	-85.1%	0	0	0.0%	0	0	0.0%	17,720	21,905	-19.1%	
ROCKIES KERN OPAL - NW IN	IR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,046	-100.0%	
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0	0	186	-100.0%	0	0	0.0%	0	0	0.0%	2,254	76,144	-97.0%	
SAN JUAN PIPE SWAP	XX	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	90	35	157.1%	0	0	0.0%	0	0	0.0%	772	590	30.8%	
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	165	174	-5.2%	0	0	0.0%	0	0	0.0%	2,693	1,933	39.3%	
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	10,702	12,324	-13.2%	0	0	0.0%	0	0	0.0%	116,554	101,072	15.3%	
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	733	1,506	-51.3%	0	0	0.0%	0	0	0.0%	12,108	14,209	-14.8%	
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	95	399	-76.2%	0	0	0.0%	0	0	0.0%	7,038	7,686	-8.4%	
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	39	389	-90.0%	0	0	0.0%	0	0	0.0%	1,559	3,116	-50.0%	
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	4,997	3,710	34.7%	0	0	0.0%	0	0	0.0%	57,534	46,049	24.9%	

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Energy Futures																		
SINGAPORE GASOIL	STL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0	0	323	0.0%	0	0	0.0%	0	0	0.0%	1,123	180	523.9%
SINGAPORE GASOIL CALEND	GHS	0	-	-	0	-	60	-	-	0	-	-	0	-	-	60	-	-
SINGAPORE GASOIL CALEND	MGO	0	-	-	0	-	130	-	-	0	-	-	0	-	-	130	-	-
SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	0	140	79.5%	0	0	0.0%	0	0	0.0%	3,293	651	405.8%
SINGAPORE GASOIL CALEND	SGG	0	-	-	0	-	168	-	-	0	-	-	0	-	-	168	-	-
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	0	0	1,654	-86.6%	0	0	0.0%	36	0	0.0%	90,687	81,687	11.0%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	618	-92.3%	0	0	0.0%	0	0	0.0%	70,787	44,904	57.6%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	536	156	243.6%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	425	-91.0%	0	0	0.0%	0	0	0.0%	18,735	14,485	29.3%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	771	-100.0%	0	0	0.0%	0	0	0.0%	12,979	8,346	55.5%
SINGAPORE JET KERO VS. GAS	ZO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	50	0.0%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	280	-25.3%	0	0	0.0%	0	0	0.0%	2,076	5,953	-65.1%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	0	3,760	-69.5%	0	0	0.0%	5	0	0.0%	85,716	120,268	-28.7%
SINGAPORE NAPHTHA BALMO	KU	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
SINGAPORE NAPHTHA SWAP	SP	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SING FUEL	MSD	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	120	70	71.4%
SOCAL BASIS SWAP	NS	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SOCAL PIPE SWAP	XN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,864	-100.0%
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	554	-100.0%
SOUTHERN NAT LA NAT GAS	M8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	612	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,292	-100.0%
Sumas Basis Swap	NK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6,238	18,059	-65.5%
SUMAS NAT GAS PLATTS FIXE	DVS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	306	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	0	0	140	0.0%	0	0	0.0%	0	0	0.0%	220	0	0.0%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	75	0.0%	0	0	0.0%	0	0	0.0%	75	15	400.0%
TCO BASIS SWAP	TC	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	8,949	34,344	-73.9%
TCO NG INDEX SWAP	Q1	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	240	-100.0%
TD3 MEG TO JAPAN 250K MT	TL	0	-	-	0	-	0	360	-	0	-	-	0	-	-	390	-	-
TENN 800 LEG NAT GAS INDE	L4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,285	-100.0%
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	428	1,630	-73.7%
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	1,526	-100.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	484	3,028	-84.0%
Tetco ELA Basis	TE	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

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Energy Futures																			
TETCO M-3 INDEX	IX	0	0	0.0%	0	0	0	0	2,568	-100.0%	0	0	0.0%	0	0	0.0%	0	10,933	-100.0%
Tetco STX Basis	TX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,611	-100.0%
TEXAS EASTERN ZONE M-3 BA	NX	0	0	0.0%	0	0	0	0	1,053	-100.0%	0	0	0.0%	0	31	-100.0%	9,512	84,190	-88.7%
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	248	-100.0%
TRANSCO ZONE 1 NG BASIS	8E	-	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%	302	1,032	-70.7%
TRANSCO ZONE 3 NG INDEX S	Y6	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	6,256	-	-
TRANSCO ZONE4 BASIS SWAP	TR	0	0	0.0%	0	428	-1	0	4,456	-100.0%	0	0	0.0%	0	2,358	-100.0%	13,239	26,264	-49.6%
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%	465	1,457	-68.1%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	0.0%	0	0	0	0	915	-100.0%	0	0	0.0%	0	0	0.0%	3,726	14,883	-75.0%
TRANSCO ZONE 6 INDEX	IT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	856	6,742	-87.3%
TRANSCO ZONE 6 PIPE SWAP	XZ4	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
UCM FUT	UCM	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	295	353	-16.4%
ULSD 10PPM CIF MED BALMO	X7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	38	-100.0%
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	45	-33.3%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0	0	0	18	-100.0%	0	0	0.0%	0	0	0.0%	81	198	-59.1%
ULSD 10PPM CIF NW BALMO S	B1	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	6	-	-
ULSD 10PPM CIF VS ICE GAS	7V	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	35	-100.0%
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	0	9,050	9,575	-5.5%	0	0	0.0%	0	0	0.0%	62,513	75,583	-17.3%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	34,918	36,467	-4.2%	0	0	0.0%	0	0	0.0%	551,389	619,919	-11.1%
USGC UNL 87 CRACK SPREAD	RU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	175	-100.0%
VENTURA NAT GAS PLATTS FIX	DVA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
WAHA BASIS	NW	0	0	0.0%	0	0	0	723	0	0.0%	0	0	0.0%	0	0	0.0%	6,787	44,649	-84.8%
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	8,728	-100.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0	0	0	105	-100.0%	0	0	0.0%	0	0	0.0%	2,520	9,342	-73.0%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	250	0	0.0%	0	0	0.0%	0	0	0.0%	1,154	500	130.8%
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	0	42,010	9,542	340.3%	0	0	0.0%	120	0	0.0%	251,312	136,658	83.9%
WTI CALENDAR	CS	0	0	0.0%	0	0	0	42,145	53,143	-20.7%	0	1,069	-100.0%	0	0	0.0%	448,037	384,651	16.5%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	13,520	13,593	-0.5%	0	0	0.0%	0	0	0.0%	72,712	55,703	30.5%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	0	162	-100.0%	0	0	0.0%	0	0	0.0%	9,936	12,370	-19.7%

Energy Options

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.

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Energy Options																			
12 MO GASOIL CAL SWAP SPR	GXZ	0	-	-	0	-	0	-	-	0	-	-	0	-	-	830	-	-	
1 MO GASOIL CAL SWAP SPR	GXA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
APPALACHIAN COAL	6K	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0	0	1,704	-100.0%	0	0	0.0%	0	0	0.0%	5,347	15,237	-64.9%	
BRENT CRUDE OIL 12 M CSO	9Y	0	-	-	0	-	0	-	-	0	-	-	0	-	-	2,000	-	-	
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	1,000	0	0.0%	0	3,000	-100.0%	0	0	0.0%	38,281	40,890	-6.4%	
BRENT OIL LAST DAY	BZO	0	0	0.0%	19,966	7,192	1.78	54,515	18,149	200.4%	0	2,473	-100.0%	149,385	39,804	275.3%	391,350	209,462	86.8%
BRENT OIL LAST DAY	OS	0	0	0.0%	20	0	0	0	0.0%	0	4,436	-100.0%	212	0	0.0%	3,700	7,798	-52.6%	
COAL API2 INDEX	CLA	0	0	0.0%	0	0	25	375	-93.3%	0	0	0.0%	0	0	0.0%	10,233	54,368	-81.2%	
COAL API2 INDEX	CQA	0	0	0.0%	0	0	50	2,150	-97.7%	0	0	0.0%	0	0	0.0%	825	103,684	-99.2%	
COAL API2 INDEX	MTC	0	0	0.0%	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	50	175	-71.4%	
COAL API4 INDEX	RLA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%	
COAL API4 INDEX	RQA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	1,540	-98.1%	
COAL SWAP	CPF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	180	585	-69.2%	
COAL SWAP	RPF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	605	1,086	-44.3%	
CRUDE OIL 1MO	WA	0	0	0.0%	16,950	28,638	-0.41	87,168	199,050	-56.2%	0	100	-100.0%	402,140	670,114	-40.0%	1,682,157	2,314,260	-27.3%
CRUDE OIL APO	AO	0	108	-100.0%	28	0	94,865	84,394	12.4%	0	7,398	-100.0%	163	0	0.0%	639,948	401,087	59.6%	
CRUDE OIL CALNDR STRIP	6F	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,290	-100.0%	
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
CRUDE OIL OUTRIGHTS	WCI	0	-	-	0	-	0	-	-	0	-	-	0	-	-	11,770	-	-	
CRUDE OIL PHY	CD	0	0	0.0%	0	0	175	700	-75.0%	0	0	0.0%	25	0	0.0%	31,410	38,425	-18.3%	
CRUDE OIL PHY	LC	0	15	-100.0%	0	0	9,387	32,762	-71.3%	0	12,159	-100.0%	13	8	62.5%	258,016	318,136	-18.9%	
CRUDE OIL PHY	LO	0	12,141	-100.0%	1,906,795	2,898,358	-0.34	429,056	996,482	-56.9%	0	217,650	-100.0%	34,304,055	34,367,359	-0.2%	8,595,365	10,844,486	-20.7%
CRUDE OIL PHY	LO1	0	0	0.0%	4,481	5,745	-0.22	0	0	0.0%	0	1,350	-100.0%	163,490	80,495	103.1%	750	950	-21.1%
CRUDE OIL PHY	LO2	0	0	0.0%	7,942	3,969	1	400	250	60.0%	0	350	-100.0%	157,724	47,415	232.6%	650	650	0.0%
CRUDE OIL PHY	LO3	0	0	0.0%	7,362	3,490	1.11	400	0	0.0%	0	1,215	-100.0%	103,154	34,140	202.1%	650	50	1,200.0%
CRUDE OIL PHY	LO4	0	0	0.0%	11,817	6,105	0.94	0	0	0.0%	0	1,750	-100.0%	191,068	54,078	253.3%	300	630	-52.4%
CRUDE OIL PHY	LO5	0	0	0.0%	8,059	3,511	1.3	0	0	0.0%	0	585	-100.0%	61,298	27,361	124.0%	250	700	-64.3%
DAILY CRUDE OIL	DNM	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ELEC FINSETTLED	PML	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	264	-100.0%	
ELEC MISO PEAK	9T	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	820	3,420	-76.0%	
ELECTRICITY OFF PEAK	N9P	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ETHANOL	CE1	0	0	0.0%	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	75	125	-40.0%	

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Energy Options																			
ETHANOL	CE3	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	325	325	0.0%
ETHANOL SWAP	CVR	0	0	0.0%	0	0	0	6,026	12,251	-50.8%	0	0	0.0%	0	0	0.0%	73,329	85,662	-14.4%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	510	0	0.0%	0	0	0.0%	0	0	0.0%	2,168	3,668	-40.9%
EURO-DENOMINATED PETRO P	EFB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EURO-DENOMINATED PETRO P	NWE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
EUROPEAN JET KEROSENE N	30	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
GASOIL CRACK SPREAD AVG P	3U	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOLINE	GCE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	872	-100.0%
HEATING OIL CRACK OPTIONS	CH	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	100	-	-
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	300	-100.0%
HEATING OIL PHY	LB	0	9	-100.0%	50	0	0	35	35	0.0%	0	178	-100.0%	58	0	0.0%	2,755	95	2,800.0%
HEATING OIL PHY	OH	0	1,153	-100.0%	6,301	4,135	0.52	31,952	30,277	5.5%	0	8,589	-100.0%	60,212	76,808	-21.6%	334,866	520,467	-35.7%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	6,393	5,371	19.0%	0	68	-100.0%	0	0	0.0%	47,791	28,834	65.7%
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%	1,700	5,900	-71.2%
HUSTN SHIP CHNL PIPE SWP	PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
LLS CRUDE OIL	WJO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6,900	11,730	-41.2%
LLS CRUDE OIL	YVO	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	3,750	-	-
MCCLOSKY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,600	8,905	-82.0%
MCCLOSKY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	275	0	0.0%	0	0	0.0%	0	0	0.0%	275	2,485	-88.9%
NATURAL GAS	G10	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	450	500	-10.0%
NATURAL GAS 12 M CSO FIN	G7	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	0	0	0.0%	0	0	0	56,022	54,625	2.6%	0	200	-100.0%	3,920	0	0.0%	483,096	168,509	186.7%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	3,400	450	655.6%	0	0	0.0%	0	0	0.0%	14,950	4,505	231.9%
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	13,400	650	1,961.5%	0	250	-100.0%	0	0	0.0%	159,825	227,632	-29.8%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,050	1,200	237.5%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	0	13,050	2,075	528.9%	0	0	0.0%	0	0	0.0%	70,320	11,275	523.7%
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	2,000	2,360	-15.3%	0	0	0.0%	0	0	0.0%	14,670	28,068	-47.7%
NATURAL GAS PHY	KD	0	0	0.0%	46,563	105	442.46	15,110	26,820	-43.7%	0	0	0.0%	182,075	331	54,907.6%	335,415	375,556	-10.7%
NATURAL GAS PHY	LN	0	107	-100.0%	2,219,175	671,035	2.31	1,162,684	1,307,445	-11.1%	0	10,499	-100.0%	14,160,898	5,762,220	145.8%	14,142,533	17,708,814	-20.1%
NATURAL GAS PHY	ON	0	4,164	-100.0%	347,648	317,963	0.09	14,645	8,188	78.9%	0	16,223	-100.0%	2,493,181	3,329,305	-25.1%	93,567	95,361	-1.9%
NATURAL GAS PHY	ON1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	2	-100.0%	0	0	0.0%
NATURAL GAS PHY	ON5	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NG HH 3 MONTH CAL	IC	0	0	0.0%	0	0	0	0	0	0.0%	0	500	-100.0%	0	0	0.0%	0	0	0.0%
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,030	6,540	-38.4%

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Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Options																			
NY HARBOR HEAT OIL SWP	AT	0	26	-100.0%	3	0	0	1,509	7,030	-78.5%	0	1,653	-100.0%	512	15	3,313.3%	36,379	66,101	-45.0%
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%	19,830	11,160	77.7%
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	30	-100.0%
NYMEX EUROPEAN GASOIL OP	F8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PANHANDLE PIPE SWAP	PU	0	-	-	0	-		0	-	-	0	-	-	0	-	-	8,640	-	-
PETROCHEMICALS	4H	0	0	0.0%	0	0	0	195	260	-25.0%	0	0	0.0%	16	15	6.7%	8,556	11,471	-25.4%
PETROCHEMICALS	4I	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	150	450	-66.7%	0	0	0.0%	0	0	0.0%	3,095	6,755	-54.2%
PETROCHEMICALS	4K	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,200	1,560	-23.1%
PETROCHEMICALS	CPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	18	520	-96.5%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	0	0.0%
PETRO OUTRIGHT NA	DAP	0	-	-	0	-		0	-	-	0	-	-	0	-	-	72	-	-
PGE CITYGATE PIPE SWAP	CW	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM CALENDAR STRIP	6O	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM ELECTRIC	6OO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM MONTHLY	JO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0	0	140	130	7.7%	0	0	0.0%	0	0	0.0%	4,100	1,220	236.1%
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%	0	10,300	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	0	0.0%	0	0	0	440	0	0.0%	0	0	0.0%	0	0	0.0%	14,257	11,935	19.5%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	0	0	0.0%	6,758	11,850	-43.0%
RBOB CALENDAR SWAP	RA	0	9	-100.0%	0	0	0	0	150	-100.0%	0	59	-100.0%	10	0	0.0%	2,855	6,685	-57.3%
RBOB PHY	OB	0	622	-100.0%	4,539	3,979	0.14	6,000	5,700	5.3%	0	9,221	-100.0%	80,535	89,735	-10.3%	212,761	289,950	-26.6%
RBOB PHY	RF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,335	60	2,125.0%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	0	640	-100.0%
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,240	9,108	-64.4%
SHORT TERM	U11	0	0	0.0%	230	0	0	1,375	0	0.0%	0	0	0.0%	260	0	0.0%	7,315	3,205	128.2%
SHORT TERM	U12	0	0	0.0%	86	0	0	50	720	-93.1%	0	0	0.0%	86	0	0.0%	4,654	4,450	4.6%
SHORT TERM	U13	0	0	0.0%	10	0	0	1,150	100	1,050.0%	0	0	0.0%	134	0	0.0%	4,985	4,361	14.3%
SHORT TERM	U14	0	0	0.0%	100	0	0	250	0	0.0%	0	0	0.0%	325	0	0.0%	3,655	5,225	-30.0%
SHORT TERM	U15	0	0	0.0%	40	0	0	150	330	-54.5%	0	0	0.0%	65	0	0.0%	5,350	3,755	42.5%
SHORT TERM	U22	0	0	0.0%	195	0	0	350	400	-12.5%	0	0	0.0%	220	0	0.0%	3,307	4,205	-21.4%
SHORT TERM	U23	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	100	0	0.0%	1,572	2,280	-31.1%
SHORT TERM	U24	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	5	0	0.0%	3,220	2,080	54.8%
SHORT TERM	U25	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	940	505	86.1%

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Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Energy Options																			
SHORT TERM	U26	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	292	1,580	-81.5%	
SHORT TERM CRUDE OIL	C02	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	201	0	0.0%	3,515	5,025	-30.0%	
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	300	-50.0%	0	0	0.0%	158	0	0.0%	4,100	4,800	-14.6%	
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	0	100	-100.0%	0	0	0.0%	53	0	0.0%	2,220	3,170	-30.0%	
SHORT TERM NATURAL GAS	U04	0	0	0.0%	393	0	0	1,050	0.0%	0	0	0.0%	393	0	0.0%	2,220	5,000	-55.6%	
SHORT TERM NATURAL GAS	U05	0	0	0.0%	193	0	0	875	6.1%	0	0	0.0%	228	0	0.0%	10,980	3,550	209.3%	
SHORT TERM NATURAL GAS	U06	0	0	0.0%	28	0	0	450	0.0%	0	0	0.0%	313	0	0.0%	8,835	2,905	204.1%	
SHORT TERM NATURAL GAS	U07	0	0	0.0%	150	0	0	25	-91.7%	0	0	0.0%	265	0	0.0%	3,410	5,100	-33.1%	
SHORT TERM NATURAL GAS	U08	0	0	0.0%	105	0	0	300	50.0%	0	0	0.0%	267	0	0.0%	5,370	3,522	52.5%	
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	175	-100.0%	0	0	0.0%	314	0	0.0%	4,900	5,617	-12.8%	
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	277	0	0.0%	5,752	4,595	25.2%	
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0	0	315	-100.0%	0	0	0.0%	390	0	0.0%	6,620	4,175	58.6%	
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	43	0	0.0%	5,104	1,405	263.3%	
SHORT TERM NATURAL GAS	U18	0	0	0.0%	168	0	0	700	0.0%	0	0	0.0%	253	0	0.0%	2,312	3,055	-24.3%	
SHORT TERM NATURAL GAS	U19	0	0	0.0%	85	0	0	700	122.2%	0	0	0.0%	260	0	0.0%	5,085	1,845	175.6%	
SHORT TERM NATURAL GAS	U20	0	0	0.0%	125	0	0	200	-20.0%	0	0	0.0%	335	0	0.0%	3,995	1,680	137.8%	
SHORT TERM NATURAL GAS	U21	0	0	0.0%	130	0	0	300	-33.3%	0	0	0.0%	318	0	0.0%	3,324	2,325	43.0%	
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0	0	150	0.0%	0	0	0.0%	0	0	0.0%	2,020	1,050	92.4%	
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,255	3,925	-17.1%	
SHORT TERM NATURAL GAS	U29	0	0	0.0%	0	0	0	150	-50.0%	0	0	0.0%	221	0	0.0%	685	3,475	-80.3%	
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	0	400	-100.0%	0	0	0.0%	675	0	0.0%	4,070	2,100	93.8%	
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	50	0	0.0%	6,200	1,125	451.1%	
SINGAPORE FUEL OIL 180 CS	C5	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
SINGAPORE GASOIL CALEND	M2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
SINGAPORE JET FUEL CALEND	N2	0	0	0.0%	0	0	0	480	-100.0%	0	0	0.0%	0	0	0.0%	0	1,440	-100.0%	
SOCAL PIPE SWAP	ZN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	11,200	-100.0%	
WTI 12 MONTH CALENDAR OPT	WZ	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
WTI-BRENT BULLET SWAP	BV	0	0	0.0%	14,666	250	57.66	44,310	-55.1%	0	0	0.0%	69,294	250	27,617.6%	495,233	278,675	77.7%	
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	200	0	0	70,230	-59.5%	0	0	0.0%	7,900	28,376	-72.2%	763,345	1,823,339	-58.1%	

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Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Metals Futures																			
COMEX GOLD	GC	0	391	-100.0%	4,930,301	3,359,200	0.47	256,286	98,457	160.3%	0	97,984	-100.0%	70,283,909	54,523,856	28.9%	2,517,822	1,694,958	48.5%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	912	176	4.18	4,619	2,541	81.8%	0	0	0.0%	5,654	4,988	13.4%	57,575	48,896	17.7%
NYMEX PLATINUM	PL	0	11	-100.0%	548,310	408,807	0.34	21,225	8,691	144.2%	0	89	-100.0%	4,699,934	3,831,180	22.7%	152,226	80,175	89.9%
PALLADIUM	PA	0	0	0.0%	69,953	85,733	-0.18	2,937	3,297	-10.9%	0	95	-100.0%	1,335,280	1,342,462	-0.5%	67,460	51,041	32.2%
URANIUM	UX	0	0	0.0%	3	288	-0.99	938	0	0.0%	0	0	0.0%	432	1,283	-66.3%	5,961	6,300	-5.4%
COMEX SILVER	SI	0	203	-100.0%	1,329,346	1,109,831	0.2	58,754	15,223	286.0%	0	10,541	-100.0%	22,472,132	17,741,782	26.7%	562,851	246,169	128.6%
COMEX E-Mini GOLD	QO	0	0	0.0%	4,992	7,266	-0.31	0	0	0.0%	0	0	0.0%	92,442	130,190	-29.0%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	814	1,011	-0.19	0	0	0.0%	0	0	0.0%	9,704	14,985	-35.2%	0	0	0.0%
COMEX COPPER	HG	0	198	-100.0%	2,330,870	1,423,183	0.64	22,293	5,596	298.4%	0	1,540	-100.0%	26,740,515	21,299,765	25.5%	310,520	44,970	590.5%
COMEX MINY COPPER	QC	0	0	0.0%	627	559	0.12	0	0	0.0%	0	0	0.0%	8,269	6,675	23.9%	0	0	0.0%
ALUMINUM	A38	0	0	0.0%	0	10	-1	0	70	-100.0%	0	0	0.0%	0	10	-100.0%	30	157	-80.9%
ALUMINUM	AEP	0	0	0.0%	0	129	-1	2,340	780	200.0%	0	0	0.0%	78	3,072	-97.5%	29,885	10,501	184.6%
ALUMINUM	ALA	0	0	0.0%	0	0	0	1,260	0	0.0%	0	0	0.0%	0	0	0.0%	6,685	60	11,041.7%
ALUMINUM	ALI	0	0	0.0%	0	448	-1	0	20	-100.0%	0	0	0.0%	4,197	8,054	-47.9%	1,061	155	584.5%
ALUMINUM	AUP	0	0	0.0%	294	19	14.47	9,042	2,450	269.1%	0	0	0.0%	2,959	5,244	-43.6%	82,724	63,628	30.0%
ALUMINUM	CUP	0	-	-	54	-	-	275	-	-	0	-	-	54	-	-	275	-	-
ALUMINUM	EDP	0	0	0.0%	0	0	0	1,235	1,044	18.3%	0	0	0.0%	44	110	-60.0%	10,821	9,943	8.8%
ALUMINUM	MJP	0	0	0.0%	0	0	0	1,836	760	141.6%	0	0	0.0%	260	1,059	-75.4%	17,139	8,044	113.1%
COPPER	HGS	0	0	0.0%	0	0	0	3,945	65	5,969.2%	0	0	0.0%	0	0	0.0%	8,988	2,825	218.2%
E-MICRO GOLD	MGC	0	0	0.0%	83,042	59,280	0.4	0	0	0.0%	0	0	0.0%	1,141,590	976,950	16.9%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	0	0	0	75	0	0.0%	0	0	0.0%	85	10	750.0%	1,380	962	43.5%
FERROUS PRODUCTS	SSF	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GOLD	GPS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	1	2	-50.0%	0	0	0.0%
Gold Kilo	GCK	0	0	0.0%	104	3,725	-0.97	0	0	0.0%	0	0	0.0%	3,665	56,157	-93.5%	0	0	0.0%
IRON ORE 58 CHINA TSI FUTUR	TIC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA PLATTS FL	PIO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	9,432	3,056	208.6%
IRON ORE 62 CHINA TSI FUTUR	TIO	0	0	0.0%	3	731	-1	2,906	13,110	-77.8%	0	0	0.0%	2,843	7,365	-61.4%	87,440	192,069	-54.5%
LNDN ZINC	ZNC	0	0	0.0%	16	3	4.33	0	0	0.0%	0	0	0.0%	141	230	-38.7%	0	0	0.0%
METALS	LED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	0	0	0.0%
SILVER	SIL	0	0	0.0%	4,848	6,475	-0.25	0	0	0.0%	0	0	0.0%	71,118	101,937	-30.2%	0	0	0.0%

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Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG	
Metals Options																			
COMEX COPPER	HX	0	9	-100.0%	18,434	1,441	11.79	1,695	383	342.6%	0	1,403	-100.0%	100,675	29,705	238.9%	6,815	7,084	-3.8%
COMEX GOLD	OG	0	4,939	-100.0%	640,398	550,293	0.16	106,836	162,073	-34.1%	0	618,270	-100.0%	7,717,773	7,346,031	5.1%	2,174,760	1,843,350	18.0%
COMEX SILVER	SO	0	2,925	-100.0%	94,237	67,016	0.41	17,748	9,589	85.1%	0	89,914	-100.0%	1,255,526	1,174,412	6.9%	183,404	108,889	68.4%
COPPER	H4E	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GOLD	OG1	0	0	0.0%	6,378	894	6.13	200	0	0.0%	0	86	-100.0%	47,442	14,809	220.4%	1,850	100	1,750.0%
GOLD	OG2	0	0	0.0%	6,346	1,371	3.63	500	0	0.0%	0	290	-100.0%	45,987	18,488	148.7%	3,158	1,788	76.6%
GOLD	OG3	0	0	0.0%	7,433	2,318	2.21	0	0	0.0%	0	90	-100.0%	46,953	11,509	308.0%	1,915	650	194.6%
GOLD	OG4	0	0	0.0%	4,910	1,092	3.5	0	0	0.0%	0	0	0.0%	27,673	7,796	255.0%	250	412	-39.3%
GOLD	OG5	0	0	0.0%	5,345	671	6.97	0	0	0.0%	0	200	-100.0%	14,976	3,325	350.4%	0	100	-100.0%
HOT ROLLED COIL STEEL CALL	HRO	0	-	-	0	-		1,200	-	-	0	-	-	0	-	-	1,530	-	-
IRON ORE 62 CHINA TSI CALL C	ICT	0	0	0.0%	0	0	0	0	160	-100.0%	0	0	0.0%	0	0	0.0%	18,094	39,749	-54.5%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	0	355	-100.0%	0	0	0.0%	0	0	0.0%	26,105	32,411	-19.5%
NYMEX PLATINUM	PO	0	130	-100.0%	2,855	777	2.67	3,450	4,743	-27.3%	0	2,559	-100.0%	15,863	8,900	78.2%	21,006	41,437	-49.3%
PALLADIUM	PAO	0	0	0.0%	870	252	2.45	785	3,920	-80.0%	0	522	-100.0%	14,183	3,695	283.8%	52,562	37,795	39.1%
SILVER	SO1	0	0	0.0%	5	0	0	0	0	0.0%	0	0	0.0%	661	559	18.2%	25	0	0.0%
SILVER	SO2	0	0	0.0%	45	1	44	0	0	0.0%	0	0	0.0%	262	619	-57.7%	0	0	0.0%
SILVER	SO3	0	0	0.0%	22	254	-0.91	0	0	0.0%	0	0	0.0%	629	797	-21.1%	0	0	0.0%
SILVER	SO4	0	0	0.0%	18	215	-0.92	0	0	0.0%	0	0	0.0%	206	472	-56.4%	0	0	0.0%
SILVER	SO5	0	0	0.0%	49	8	5.13	0	0	0.0%	0	0	0.0%	53	258	-79.5%	0	0	0.0%
TOTAL FUTURES GROUP																			
Commodities and Alternative Investments Future		0	0	0.0%	6	14	-57.1%	0	0	0.0%	0	0	0.0%	195	3,772	-94.8%	0	0	0.0%
Energy Futures		0	725	-100.0%	38,109,421	41,318,921	-7.8%	2,721,496	5,502,651	-50.5%	0	27,961	-100.0%	522,598,501	473,935,034	10.3%	42,332,447	54,832,286	-22.8%
Metals Futures		0	803	-100.0%	9,304,489	6,466,874	43.9%	389,966	152,104	156.4%	0	110,249	-100.0%	126,875,306	100,057,391	26.8%	3,930,275	2,463,909	59.5%
TOTAL FUTURES		0	1,528	-100.0%	47,413,916	47,785,809	-0.8%	3,111,462	5,654,755	-45.0%	0	138,210	-100.0%	649,474,002	573,996,197	13.1%	46,262,722	57,296,195	-19.3%
TOTAL OPTIONS GROUP																			
Energy Options		0	18,354	-100.0%	4,624,603	3,954,475	16.9%	2,134,092	3,079,013	-30.7%	0	299,906	-100.0%	52,597,547	44,607,831	17.9%	29,185,293	36,312,750	-19.6%
Metals Options		0	8,003	-100.0%	787,345	626,603	25.7%	132,414	181,223	-26.9%	0	713,334	-100.0%	9,288,862	8,621,375	7.7%	2,491,474	2,113,765	17.9%
TOTAL OPTIONS		0	26,357	-100.0%	5,411,948	4,581,078	18.1%	2,266,506	3,260,236	-30.5%	0	1,013,240	-100.0%	61,886,409	53,229,206	16.3%	31,676,767	38,426,515	-17.6%



NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2017	Open Outcry DEC 2016	% CHG	ELEC DEC 2017	ELEC DEC 2016	% CHG	CME ClearPort DEC 2017	CME ClearPort DEC 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG	CME ClearPort Y.T.D 2017	CME ClearPort Y.T.D 2016	% CHG
TOTAL COMBINED																		
Commodities and Alternative Investments	0	0	0.0%	6	14	-57.1%	0	0	0.0%	0	0	0.0%	195	3,772	-94.8%	0	0	0.0%
Energy	0	19,079	-100.0%	42,734,024	45,273,396	-5.6%	4,855,588	8,581,664	-43.4%	0	327,867	-100.0%	575,196,048	518,542,865	10.9%	71,517,740	91,145,036	-21.5%
Metals	0	8,806	-100.0%	10,091,834	7,093,477	42.3%	522,380	333,327	56.7%	0	823,583	-100.0%	136,164,168	108,678,766	25.3%	6,421,749	4,577,674	40.3%
GRAND TOTAL	0	27,885	-100.0%	52,825,864	52,366,887	0.9%	5,377,968	8,914,991	-39.7%	0	1,151,450	-100.0%	711,360,411	627,225,403	13.4%	77,939,489	95,722,710	-18.6%

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