

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Ag Products Futures																			
COCOA TAS	CJ	0	0	0.0%	8	0	0	0	0.0%	0	0	0.0%	8	5	60.0%	0	0	0.0%	
COFFEE	KT	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
COTTON	TT	0	0	0.0%	6	0	0	0	0.0%	0	0	0.0%	15	2	650.0%	0	0	0.0%	
SUGAR 11	YO	0	0	0.0%	10	0	0	0	0.0%	0	0	0.0%	10	58	-82.8%	0	0	0.0%	
Energy Futures																			
CRUDE OIL PHY	CL	0	0	0.0%	22,984,366	28,073,133	-0.18	451,149	504,470	-10.6%	0	0	0.0%	149,120,605	164,894,259	-9.6%	2,955,650	2,902,200	1.8%
CRUDE OIL	WS	0	0	0.0%	0	0	0	0	2,000	-100.0%	0	0	0.0%	0	89	-100.0%	16,694	10,250	62.9%
MINY WTI CRUDE OIL	QM	0	0	0.0%	590,831	380,831	0.55	0	0	0.0%	0	0	0.0%	2,658,389	1,976,858	34.5%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	2,447,372	2,153,333	0.14	56,506	38,770	45.7%	0	0	0.0%	12,761,178	10,963,391	16.4%	352,141	235,823	49.3%
HEATING OIL PHY	HO	0	0	0.0%	3,153,869	3,576,970	-0.12	216,977	161,074	34.7%	0	0	0.0%	18,829,488	23,059,023	-18.3%	1,405,815	1,164,577	20.7%
HTG OIL	BH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	48	48	0.0%
MINY HTG OIL	QH	0	0	0.0%	3	3	0	0	0	0.0%	0	0	0.0%	20	18	11.1%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	4,047,757	3,965,280	0.02	222,396	209,693	6.1%	0	0	0.0%	25,371,842	23,556,440	7.7%	1,613,182	1,353,405	19.2%
MINY RBOB GAS	QU	0	0	0.0%	7	4	0.75	0	0	0.0%	0	0	0.0%	37	19	94.7%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	43,974	16,156	1.72	72,391	39,424	83.6%	0	0	0.0%	242,414	310,964	-22.0%	423,144	432,850	-2.2%
LTD NAT GAS	HH	0	0	0.0%	161,160	178,012	-0.09	180,333	116,789	54.4%	0	0	0.0%	973,662	1,316,231	-26.0%	951,918	808,717	17.7%
MINY NATURAL GAS	QG	0	0	0.0%	27,384	18,636	0.47	0	0	0.0%	0	0	0.0%	157,706	167,538	-5.9%	0	24	-100.0%
PJM MONTHLY	JM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	0	0	0.0%	8,017,084	7,779,320	0.03	327,126	231,095	41.6%	0	0	0.0%	43,342,918	52,875,514	-18.0%	1,568,877	1,715,870	-8.6%
RBOB GAS	RT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	14,338	-99.6%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	78	452	-82.7%
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%	20	95	-78.9%
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	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%
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%
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%
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	0	0	0	5,900	24,959	-76.4%	0	0	0.0%	0	30	-100.0%	70,241	160,101	-56.1%

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Energy Futures																			
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	5,678	3,472	63.5%	0	0	0.0%	0	0	0.0%	37,537	36,383	3.2%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	1,995	1,335	49.4%	0	0	0.0%	0	0	0.0%	17,382	15,127	14.9%
AUSTRIALIAN COKE COAL	ACT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	913	50	1,726.0%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	12,231	2,727	348.5%	0	0	0.0%	0	0	0.0%	36,060	23,323	54.6%
BRENT CFD SWAP	6W	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	0	2,288	-100.0%	0	0	0.0%	0	0	0.0%	7,000	13,264	-47.2%
BRENT FINANCIAL FUTURES	MBC	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0.0%	82	-	-
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	224	-100.0%
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%
CAISO SP15 EZGNHUB5 PEAK	9Z	-	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	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	36	-100.0%
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	0	239	-1	96,843	82,463	17.4%	0	0	0.0%	474	1,830	-74.1%	652,809	623,453	4.7%
CHICAGO ULSD (PLATTS) SWA	4C	-	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	672	662	1.5%	0	0	0.0%	0	0	0.0%	3,849	1,984	94.0%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	200	100	100.0%	0	0	0.0%	0	0	0.0%	875	625	40.0%
CIG BASIS	CI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	196	-100.0%
CIG ROCKIES NG INDEX SWA	Z8	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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	0	0.0%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	0	0	442	1,604	-72.4%	0	0	0.0%	0	0	0.0%	3,182	7,580	-58.0%
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%	3,920	0	0.0%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	325	0	0.0%
COAL SWAP	ACM	0	0	0.0%	0	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	0	420	-100.0%
COAL SWAP	SSI	-	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%	364	0	0.0%
COLUMBIA GULF ONSHORE	GL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CONWAY NATURAL GASOLINE	8L	0	0	0.0%	0	0	0	75	102	-26.5%	0	0	0.0%	0	0	0.0%	1,183	1,225	-3.4%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	1,003	1,632	-38.5%	0	0	0.0%	0	0	0.0%	2,461	2,217	11.0%

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Energy Futures																		
CONWAY PROPANE 5 DECIMAL	8K	0	0.0%	33	19	0.74	21,093	16,789	25.6%	0	0	0.0%	123	31	296.8%	94,875	97,535	-2.7%
CRUDE OIL	LPS	0	0.0%	0	0	0	2,400	4,500	-46.7%	0	0	0.0%	0	0	0.0%	17,725	28,805	-38.5%
CRUDE OIL OUTRIGHTS	42	0	0.0%	0	0	0	414	412	0.5%	0	0	0.0%	0	0	0.0%	3,009	1,554	93.6%
CRUDE OIL OUTRIGHTS	CC5	0	0.0%	0	0	0	750	0	0.0%	0	0	0.0%	0	0	0.0%	2,450	0	0.0%
CRUDE OIL OUTRIGHTS	CPD	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,956	-100.0%
CRUDE OIL OUTRIGHTS	CSN	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	CSW	0	0.0%	0	0	0	530	0	0.0%	0	0	0.0%	50	0	0.0%	2,870	5	57,300.0%
CRUDE OIL OUTRIGHTS	DBL	0	0.0%	0	0	0	400	0	0.0%	0	0	0.0%	0	0	0.0%	400	99	304.0%
CRUDE OIL OUTRIGHTS	FE	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	276	105	162.9%
CRUDE OIL OUTRIGHTS	HTT	0	0.0%	0	0	0	48,141	55,548	-13.3%	0	0	0.0%	0	0	0.0%	355,798	332,193	7.1%
CRUDE OIL OUTRIGHTS	LSW	0	0.0%	0	0	0	180	0	0.0%	0	0	0.0%	0	0	0.0%	3,138	290	982.1%
CRUDE OIL OUTRIGHTS	SSW	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	UMD	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,800	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	7,554	-100.0%
CRUDE OIL OUTRIGHTS	WCC	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	WCW	0	0.0%	0	0	0	3,530	2,291	54.1%	0	0	0.0%	0	0	0.0%	30,759	51,192	-39.9%
CRUDE OIL PHY	CLL	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	0	-	9,187	-	-	3,552	-	-	0	-	-	90,976	-	-	39,469	-	-
CRUDE OIL SPRDS	38	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,055	-100.0%
CRUDE OIL SPRDS	HIL	0	-	0	-	-	0	-	-	0	-	-	0	-	-	720	-	-
CRUDE OIL SPRDS	WTT	0	0.0%	0	0	0	22,810	38,053	-40.1%	0	0	0.0%	0	0	0.0%	136,285	313,790	-56.6%
CRUDE OIL TRADE AT MARKER	CLS	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	AOR	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	IDO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	NOC	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PAP	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PEO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
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%

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Energy Futures																			
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%	
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0	0	390	-100.0%	0	0	0.0%	0	0	0.0%	1,000	3,050	-67.2%	
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%	
DIESEL 10PPM BARGES FOB B	U7	-	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	0	0.0%	0	0	0.0%	0	0	0.0%	0	126	-100.0%	
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	125	-100.0%	
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0	1,175	271	333.6%	0	0	0.0%	0	0	0.0%	17,048	11,952	42.6%	
DUTCH TTF NATURAL GAS CAL	TTF	0	0	0.0%	4,217	1,102	2.83	0	0	0.0%	0	0.0%	41,877	6,688	526.2%	0	10	-100.0%	
DY EURO 3.5% FUEL OI RDA	FOR	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0	0	45	-100.0%	0	0	0.0%	0	0	0.0%	0	230	-100.0%	
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	10	0.0%	0	0	0.0%	0	0	0.0%	10	157	-93.6%	
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	686	572	19.9%	0	0	0.0%	0	0	0.0%	2,253	1,449	55.5%	
ELEC ERCOT DLY OFF PK	I4	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	I3	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 OFF PEAK	I2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	19,600	-100.0%	
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%	
ELEC MISO PEAK	4L	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ELEC MISO PEAK	55	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ELEC NYISO OFF-PEAK	4M	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
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%	
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	-	-	
ELECTRICITY OFF PEAK	50	-	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%	
ELEC WEST POWER PEAK	MDC	-	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%	
ERCOT HOUSTON Z MCPE 5M	I1	0	0	0.0%	0	0	0	440	-100.0%	0	0	0.0%	0	0	0.0%	0	1,950	-100.0%	
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%	



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Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
ERCOT NORTH ZMCPE 5MW OF	I6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	19,600	-100.0%	
ERCOT NORTH ZMCPE 5MW PE	I5	0	0	0.0%	0	0	0	440	-100.0%	0	0	0.0%	0	0	0.0%	0	5,050	-100.0%	
ETHANOL	MTH	0	-	-	0	-	0	-	-	0	-	-	0	-	-	40	-	-	
ETHANOL	Z1B	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
ETHANOL SWAP	MT2	0	0	0.0%	0	0	0	90	-100.0%	0	0	0.0%	0	0	0.0%	520	130	300.0%	
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	0	2,207	-14.7%	0	0	0.0%	0	0	0.0%	21,599	18,271	18.2%	
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0	0	3	-100.0%	0	0	0.0%	0	0	0.0%	3	23	-87.0%	
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	0	6	-99.1%	0	0	0.0%	0	0	0.0%	219	4,009	-94.5%	
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	0	15	-88.5%	0	0	0.0%	0	0	0.0%	135	692	-80.5%	
EURO-DENOMINATED PETRO P	NCP	0	0	0.0%	0	0	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	5	-100.0%	0	0	0.0%	0	0	0.0%	0	370	-100.0%	
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0	0	6	0.0%	0	0	0.0%	0	0	0.0%	450	318	41.5%	
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%	0	3	-100.0%	
EUROPE 3.5% FUEL OIL MED	UI	0	0	0.0%	0	0	0	5	0.0%	0	0	0.0%	0	0	0.0%	353	671	-47.4%	
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	0	604	-93.6%	0	0	0.0%	0	0	0.0%	6,893	56,637	-87.8%	
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	156	551	-0.72	0	0.0%	0	0	0.0%	632	2,999	-78.9%	0	0	0.0%	
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	0	159	-45.0%	0	0	0.0%	0	0	0.0%	1,154	1,602	-28.0%	
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	0	4,300	-54.2%	0	0	0.0%	0	0	0.0%	30,100	55,665	-45.9%	
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	0	575	0.0%	0	0	0.0%	0	0	0.0%	1,633	0	0.0%	
EUROPE JET KERO NWE CALS	UJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	15	-66.7%	
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	0	1,246	-61.9%	0	0	0.0%	0	0	0.0%	13,202	19,449	-32.1%	
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	0	1,921	38.6%	0	0	0.0%	0	0	0.0%	12,136	11,328	7.1%	
FLORIDA GAS ZONE3 BASIS S	FP	-	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	0	110	42	161.9%	0	0	0.0%	0	0	0.0%	782	608	28.6%
FREIGHT MARKETS	FRC	0	0	0.0%	0	0	0	290	5	5,700.0%	0	0	0.0%	0	0	0.0%	890	540	64.8%
FREIGHT MARKETS	FRS	0	0	0.0%	0	0	0	70	0	0.0%	0	0	0.0%	0	0	0.0%	70	0	0.0%
FREIGHT MARKETS	T2D	0	0	0.0%	0	0	0	765	280	173.2%	0	0	0.0%	0	0	0.0%	3,555	1,608	121.1%
FREIGHT MARKETS	TC6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	240	-100.0%	
FREIGHT MARKETS	TD3	0	-	-	0	-	0	-	-	0	-	-	0	-	-	70	-	-	
FREIGHT MARKETS	TD8	0	-	-	0	-	0	-	-	0	-	-	0	-	-	60	-	-	
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	0	1,100	4,411	-75.1%	0	0	0.0%	0	0	0.0%	9,954	28,135	-64.6%
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%	15	171	-91.2%	
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0	0	6	0	0.0%	0	0	0.0%	0	0	0.0%	6	154	-96.1%
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	72	-100.0%	

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Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	0	184	89	106.7%	0	0	0.0%	0	0	0.0%	1,380	1,510	-8.6%
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	4,428	8,708	-49.2%	0	0	0.0%	0	0	0.0%	39,935	48,459	-17.6%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	7,358	16,154	-54.5%	0	0	0.0%	0	0	0.0%	57,786	126,424	-54.3%
GASOIL 0.1 CIF MED SWAP	Z4	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
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%	10	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%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	6	0	0.0%	0	0	0.0%	0	0	0.0%	21	5	320.0%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	0	185	-100.0%	0	0	0.0%	0	0	0.0%	103	1,160	-91.1%
GASOIL 10P CRG CIF NW VS	3V	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	39	12	225.0%
GASOIL BULLET SWAP	BG	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	0	12	12	0.0%	0	0	0.0%	0	0	0.0%	78	48	62.5%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	3,272	3,038	7.7%	0	0	0.0%	0	0	0.0%	4,034	31,196	-87.1%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	0	266	219	21.5%	0	0	0.0%	0	0	0.0%	1,271	886	43.5%
GERMAN POWER BASELOAD C	DEB	0	0	0.0%	867	0	0	0	0	0.0%	0	0	0.0%	12,292	2,076	492.1%	0	0	0.0%
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	0	185	-100.0%
GROUP THREE UNLEAD GAS (F	A9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	425	-100.0%
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	0	2,901	3,639	-20.3%	0	0	0.0%	0	0	0.0%	20,347	22,778	-10.7%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	0	1,100	970	13.4%	0	0	0.0%	0	0	0.0%	18,007	11,632	54.8%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	389	969	-59.9%	0	0	0.0%	0	0	0.0%	4,129	8,639	-52.2%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	0	174	-100.0%	0	0	0.0%	0	0	0.0%	267	855	-68.8%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	24,016	27,568	-12.9%	0	0	0.0%	0	0	0.0%	132,050	244,040	-45.9%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	18,925	62,683	-69.8%	0	0	0.0%	0	0	0.0%	147,148	378,336	-61.1%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	305	2,505	-87.8%	0	0	0.0%	0	0	0.0%	1,333	13,508	-90.1%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	752	719	4.6%	0	0	0.0%	0	0	0.0%	2,565	1,712	49.8%
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,295	-100.0%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	480	167	187.4%	0	0	0.0%	0	0	0.0%	525	223	135.4%
HEATING OIL CRCK SPRD BAL	1H	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0.0%	18	-	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	0	0	1,860	1,240	50.0%	0	0	0.0%	0	0	0.0%	11,248	7,432	51.3%
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	4,404	-1	0	0	0.0%	0	0	0.0%	0	14,071	-100.0%	0	0	0.0%
HENRY HUB FINANCIAL LAST	TTE	0	0	0.0%	0	18	-1	0	0	0.0%	0	0	0.0%	0	708	-100.0%	0	0	0.0%
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	1,860	1,240	50.0%	0	0	0.0%	0	0	0.0%	11,248	7,432	51.3%

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Energy Futures																			
HENRY HUB SWAP	NN	0	0	0.0%	0	13,454	-1	97,368	136,749	-28.8%	0	0	0.0%	122	53,964	-99.8%	704,282	955,650	-26.3%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	736	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%
ICE BRENT DUBAI SWAP	DB	0	0	0.0%	0	0	0	8,880	5,310	67.2%	0	0	0.0%	0	0	0.0%	34,838	63,648	-45.3%
ICE GASOIL BALMO SWAP	U9	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	FAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	FTD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	FTM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
INDIANA MISO	PDD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PTD	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%
INDONESIAN COAL IC14	ICI	0	0	0.0%	0	0	0	235	125	88.0%	0	0	0.0%	0	0	0.0%	2,210	535	313.1%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	169	1,689	-90.0%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	759	2,328	-67.4%	0	0	0.0%	0	0	0.0%	7,859	12,956	-39.3%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	3	23	-87.0%	0	0	0.0%	0	0	0.0%	279	216	29.2%
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%	0	5	-100.0%
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	70	492	-85.8%
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%
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%
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	0	5,064	4,763	6.3%	0	0	0.0%	0	0	0.0%	26,398	38,837	-32.0%
JKM LNG Futures	JKM	0	0	0.0%	0	0	0	240	975	-75.4%	0	0	0.0%	0	0	0.0%	9,216	4,945	86.4%
LA CARB DIESEL (OPIS)	LX	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	0	0	0.0%	0	0	0	30	300	-90.0%	0	0	0.0%	0	0	0.0%	325	1,750	-81.4%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	0	0.0%	2,300	3,925	-41.4%
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%
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	0	1,510	3,260	-53.7%	0	0	0.0%	0	0	0.0%	7,880	15,140	-48.0%
LLS (ARGUS) CALENDAR SWAP	XA	0	-	-	0	-	0	0	-	-	0	-	0	-	-	-	0	-	-
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	0	760	5,395	-85.9%	0	0	0.0%	0	0	0.0%	15,459	41,890	-63.1%
LOS ANGELES CARB GASOLIN	MH	0	-	-	0	-	0	0	-	-	0	-	0	-	-	-	0	-	-
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	1,615	1,505	7.3%	0	0	0.0%	0	0	0.0%	11,380	18,550	-38.7%
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	0	0	18,752	23,259	-19.4%	0	0	0.0%	480	0	0.0%	118,907	165,470	-28.1%

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Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,119	-100.0%	
MCCLOSKY ARA ARGS COAL	MTF	0	0	0.0%	1,622	15	107.13	34,060	24,301	40.2%	0	0	0.0%	3,843	429	795.8%	171,550	152,279	12.7%
MCCLOSKY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	2,678	3,430	-21.9%	0	0	0.0%	0	0	0.0%	14,952	20,864	-28.3%
MGF FUT	MGF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	130	-100.0%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	120	40	200.0%	0	0	0.0%	0	0	0.0%	350	503	-30.4%
MICHIGAN BASIS	NF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	HMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	HMW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MINI GAS EUROBOB OXY NWE	MEB	0	0	0.0%	0	0	0	223	431	-48.3%	0	0	0.0%	0	0	0.0%	1,230	2,134	-42.4%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	560	446	25.6%	0	0	0.0%	0	0	0.0%	3,500	1,809	93.5%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	2,381	2,030	17.3%	0	0	0.0%	0	0	0.0%	14,840	9,845	50.7%
MJC FUT	MJC	0	0	0.0%	0	0	0	0	105	-100.0%	0	0	0.0%	0	0	0.0%	150	1,195	-87.4%
MNC FUT	MNC	0	0	0.0%	0	0	0	3,904	3,602	8.4%	0	0	0.0%	0	0	0.0%	25,401	22,425	13.3%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	18,473	15,342	20.4%	0	0	0.0%	0	0	0.0%	84,373	93,978	-10.2%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	225	80	181.3%	0	0	0.0%	0	0	0.0%	1,064	860	23.7%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	32	31	0.03	150,641	93,290	61.5%	0	0	0.0%	72	88	-18.2%	850,048	758,143	12.1%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	3,520	2,053	71.5%	0	0	0.0%	0	0	0.0%	20,418	18,154	12.5%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	0	6,807	7,232	-5.9%	0	0	0.0%	0	0	0.0%	47,681	54,275	-12.1%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	935	500	87.0%	0	0	0.0%	0	0	0.0%	3,859	2,629	46.8%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	55,341	32,425	70.7%	0	0	0.0%	0	0	0.0%	262,837	186,267	41.1%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	514	712	-27.8%	0	0	0.0%	0	0	0.0%	8,134	5,212	56.1%
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	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	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%
NATURAL GAS INDEX	TZI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS PEN SWP	NP	0	0	0.0%	0	0	0	33,703	14,737	128.7%	0	0	0.0%	0	0	0.0%	181,573	228,346	-20.5%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	0	0	0	0	9,344	-100.0%	0	0	0.0%	0	0	0.0%	16,560	79,520	-79.2%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0	0	0	514	-100.0%	0	0	0.0%	0	0	0.0%	0	4,376	-100.0%
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH P	P7	0	0	0.0%	0	0	0	0	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%

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Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG
Energy Futures																		
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%
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%
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	1,077	113.3%	0	0	0.0%	0	0	0.0%	4,524	9,186	-50.8%
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%	1,240	400	210.0%
NGPL TEX/OK	PD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,576	22,836	-88.7%
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	145	-100.0%	0	0	0.0%	0	0	0.0%	675	2,063	-67.3%
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%	0	100	-100.0%
NORTHERN ILLINOIS OFF-PEA	UO	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NORTHWEST ROCKIES BASIS E	NR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,106	0	0.0%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	180	-94.1%	0	0	0.0%	0	0	0.0%	2,655	10,640	-75.0%
NY 2.2% FUEL OIL (PLATTS	Y3	-	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%	775	1,000	-22.5%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	4	0	0	2,353	173.6%	0	0	0.0%	4	46	-91.3%	14,977	8,370	78.9%
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	45	-100.0%	0	0	0.0%	0	0	0.0%	390	2,695	-85.5%
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	427	-59.9%	0	0	0.0%	0	0	0.0%	4,983	7,288	-31.6%
NY HARBOR RESIDUAL FUEL C	ML	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	630	2.4%	0	0	0.0%	0	0	0.0%	2,235	6,947	-67.8%
NYISO A	KA	-	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%
NYISO CAPACITY	LHV	0	0	0.0%	0	0	0	4	-100.0%	0	0	0.0%	0	0	0.0%	240	168	42.9%
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	407	-100.0%
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	197	-69.5%
NYISO G	KG	-	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%
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%

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Energy Futures																			
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYISO ZONE C 5MW D AH O P	A3	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NYISO ZONE C 5MW D AH PK	Q5	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0	0	27,200	-100.0%	0	0	0.0%	0	0	0.0%	46,384	578,534	-92.0%	
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	0	1,510	-100.0%	0	0	0.0%	0	0	0.0%	1,799	18,284	-90.2%	
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	0	0.0%	
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	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%	1,450	0	0.0%	
NY ULSD (ARGUS) VS HEATING	7Y	0	0	0.0%	0	0	177	0	0.0%	0	0	0.0%	0	0	0.0%	1,418	134	958.2%	
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
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%	
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%	
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	0	0.0%	
PANHANDLE BASIS SWAP FUT	PH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	275	-100.0%	
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETROCHEMICALS	22	0	0	0.0%	0	0	101	79	27.8%	0	0	0.0%	0	0	0.0%	987	940	5.0%	
PETROCHEMICALS	32	0	0	0.0%	0	0	119	78	52.6%	0	0	0.0%	0	0	0.0%	659	1,111	-40.7%	
PETROCHEMICALS	3NA	0	-	-	0	-	14	-	-	0	-	-	0	-	-	47	-	-	
PETROCHEMICALS	51	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	17	23	-26.1%	
PETROCHEMICALS	8I	0	0	0.0%	0	0	725	143	407.0%	0	0	0.0%	0	0	0.0%	3,677	5,038	-27.0%	
PETROCHEMICALS	91	0	0	0.0%	0	0	372	182	104.4%	0	0	0.0%	0	0	0.0%	2,837	2,722	4.2%	
PETROCHEMICALS	HPE	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROCHEMICALS	MAA	0	0	0.0%	0	0	150	0	0.0%	0	0	0.0%	0	0	0.0%	250	50	400.0%	
PETROCHEMICALS	MAC	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROCHEMICALS	MAE	0	0	0.0%	0	0	456	100	356.0%	0	0	0.0%	0	0	0.0%	1,570	1,080	45.4%	
PETROCHEMICALS	MAS	0	0	0.0%	0	0	323	116	178.4%	0	0	0.0%	0	0	0.0%	1,211	651	86.0%	
PETROCHEMICALS	MBE	0	0	0.0%	0	0	300	930	-67.7%	0	0	0.0%	0	0	0.0%	2,185	5,230	-58.2%	
PETROCHEMICALS	MNB	0	0	0.0%	0	0	287	2,345	-87.8%	0	0	0.0%	0	0	0.0%	5,183	13,826	-62.5%	
PETROCHEMICALS	MPS	0	0	0.0%	0	0	696	220	216.4%	0	0	0.0%	0	0	0.0%	1,475	680	116.9%	
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	0.0%	

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

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Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	0	0	0.0%	50	0	0.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	25	90	-72.2%	0	0	0.0%	0	0	0.0%	211	499	-57.7%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	4,125	5,525	-25.3%	0	0	0.0%	0	0	0.0%	39,515	7,130	454.2%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	2,385	3,509	-32.0%	0	0	0.0%	0	0	0.0%	18,160	18,483	-1.7%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	150	850	-82.4%	0	0	0.0%	0	0	0.0%	2,520	5,375	-53.1%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	448	1,345	-66.7%	0	0	0.0%	0	0	0.0%	3,818	7,165	-46.7%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	0	1,590	-100.0%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	2,081	1,418	46.8%	0	0	0.0%	0	0	0.0%	9,219	8,840	4.3%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	142	-100.0%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	1,774	18,743	-90.5%	0	0	0.0%	0	0	0.0%	19,040	85,466	-77.7%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	25	300.0%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	3,582	705	408.1%	0	0	0.0%	0	0	0.0%	8,532	6,881	24.0%
PETRO CRCKS & SPRDS NA	KSD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	NYH	-	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	7,201	6,498	10.8%	0	0	0.0%	0	0	0.0%	55,362	34,803	59.1%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	14,405	19,380	-25.7%	0	0	0.0%	0	0	0.0%	90,308	111,840	-19.3%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	70	21	233.3%	0	0	0.0%	0	0	0.0%	593	288	105.9%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	375	1,405	-73.3%	0	0	0.0%	0	0	0.0%	8,694	11,364	-23.5%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	27	354	-92.4%	0	0	0.0%	0	0	0.0%	152	2,333	-93.5%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	0	0.0%
PETRO CRK&SPRD EURO	BOB	0	0	0.0%	0	0	0	416	1,759	-76.4%	0	0	0.0%	0	0	0.0%	3,002	12,103	-75.2%
PETRO CRK&SPRD EURO	EGB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	EGN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	15	179	-91.6%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	543	766	-29.1%	0	0	0.0%	0	0	0.0%	3,541	5,968	-40.7%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	150	2,740	-94.5%	0	0	0.0%	0	0	0.0%	2,336	14,212	-83.6%
PETRO CRK&SPRD EURO	FBT	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	60	-	-
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	30	-100.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	282	680	-58.5%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG
Energy Futures																		
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	-100.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	120	80	50.0%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	60	100.0%	0	0	0.0%	0	0	0.0%	70	163	-57.1%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	58	122	-52.5%
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	0	244	-79.4%	0	0	0.0%	0	0	0.0%	2,925	10,057	-70.9%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	80	-100.0%	0	0	0.0%	0	0	0.0%	51	110	-53.6%
PETROLEUM PRODUCTS	1NM	0	-	-	0	-	0	100	-	0	-	-	0	-	-	533	-	-
PETROLEUM PRODUCTS	EWB	-	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	1,994	-25.6%	0	0	0.0%	0	0	0.0%	18,355	27,366	-32.9%
PETROLEUM PRODUCTS	JCC	0	-	-	0	-	0	-	-	0	-	-	0	-	-	20	-	-
PETROLEUM PRODUCTS	MBS	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	MGS	-	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	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	0	75	-100.0%	0	0	0.0%	0	0	0.0%	185	928	-80.1%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	18	-10.0%	0	0	0.0%	0	0	0.0%	68	414	-83.6%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	0	1,530	14.6%	0	0	0.0%	0	0	0.0%	10,015	12,581	-20.4%
PETROLEUM PRODUCTS ASIA	MSB	-	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	60	328.6%	0	0	0.0%	0	0	0.0%	158	64	146.9%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	0	0.0%
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	0	1,464	-21.4%	0	0	0.0%	0	0	0.0%	8,585	8,558	0.3%
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	0	5	-68.8%	0	0	0.0%	0	0	0.0%	56	165	-66.1%
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	0	227	-60.4%	0	0	0.0%	0	0	0.0%	2,344	3,736	-37.3%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	15	-66.7%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	5L	0	0	0.0%	0	0	0	10	-85.7%	0	0	0.0%	0	0	0.0%	203	204	-0.5%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	10	-71.4%	0	0	0.0%	0	0	0.0%	15	142	-89.4%
PETRO OUTRIGHT EURO	6L	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	7I	0	0	0.0%	0	0	0	75	0.0%	0	0	0.0%	0	0	0.0%	594	462	28.6%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	0	51	-82.8%	0	0	0.0%	0	0	0.0%	1,081	1,906	-43.3%
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	0	105	-100.0%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	55	-100.0%
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	0	0.0%
PETRO OUTRIGHT EURO	CPB	0	0	0.0%	0	0	0	288	1,700.0%	0	0	0.0%	0	0	0.0%	1,640	2,999	-45.3%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Energy Futures																			
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	0	0	6	0	0.0%	0	0	0.0%	0	0	0.0%	116	101	14.9%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	6	0	0.0%	0	0	0.0%	0	0	0.0%	31	0	0.0%
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	0	0	0	36	0	0.0%	0	0	0.0%	0	0	0.0%	131	65	101.5%
PETRO OUTRIGHT EURO	ESB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	0	380	741	-48.7%	0	0	0.0%	0	0	0.0%	3,619	4,182	-13.5%
PETRO OUTRIGHT EURO	FBD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	FLB	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	6	-	-
PETRO OUTRIGHT EURO	GES	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
PETRO OUTRIGHT EURO	H5G	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	60	-	-
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	161	-100.0%
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	0	216	1,128	-80.9%	0	0	0.0%	0	0	0.0%	2,062	7,719	-73.3%
PETRO OUTRIGHT EURO	MEF	0	-	-	0	-	0	352	-	-	0	-	0	-	-	0	2,171	-	-
PETRO OUTRIGHT EURO	R53	0	-	-	0	-	0	24	-	-	0	-	0	-	-	0	48	-	-
PETRO OUTRIGHT EURO	R5M	0	-	-	0	-	0	183	-	-	0	-	0	-	-	0	443	-	-
PETRO OUTRIGHT EURO	R5O	0	-	-	0	-	0	10	-	-	0	-	0	-	-	0	131	-	-
PETRO OUTRIGHT EURO	S5M	0	-	-	0	-	0	52	-	-	0	-	0	-	-	0	104	-	-
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	125	328	-61.9%
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	9	-100.0%
PETRO OUTRIGHT EURO	T2B	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	15	-	-
PETRO OUTRIGHT EURO	ULB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	980	-100.0%
PETRO OUTRIGHT EURO	X0	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0	0	32	0	0.0%	0	0	0.0%	0	0	0.0%	196	503	-61.0%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	60	0	0.0%	0	0	0.0%	0	0	0.0%	60	69	-13.0%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	0	2,880	1,750	64.6%	0	0	0.0%	0	0	0.0%	15,655	13,230	18.3%
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	0	125	625	-80.0%	0	0	0.0%	0	0	0.0%	4,325	3,085	40.2%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	40	-100.0%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	236	922	-74.4%	0	0	0.0%	0	0	0.0%	1,248	2,416	-48.3%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	2,176	3,820	-43.0%	0	0	0.0%	0	0	0.0%	15,664	23,942	-34.6%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	285	0	0.0%	0	0	0.0%	0	0	0.0%	285	100	185.0%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	84	0	0.0%	0	0	0.0%	0	0	0.0%	607	55	1,003.6%
PETRO OUTRIGHT NA	NYT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	XER	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Energy Futures																			
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	23,700	0	0.0%	0	0	0.0%	0	0	0.0%	117,180	28,032	318.0%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,560	7,513	-65.9%
PJM AECO DA OFF-PEAK	X1	-	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%
PJM APS ZONE DA OFF-PEAK	W4	-	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%
PJM ATSI ELEC	MOD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
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%	0	0	0.0%
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%	0	0	0.0%
PJM DAILY	JD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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%
PJM JCPL DA PEAK	J2	-	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	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,285	5,100	-74.8%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	23,360	0	0.0%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	22	-100.0%
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	0.0%
PJM PECO ZONE5MW PEAK CA	4N	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%
PJM PPL DA PEAK	L5	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	78,410	-100.0%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,250	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	0	23,700	23,200	2.2%	0	0	0.0%	0	0	0.0%	47,100	294,000	-84.0%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	0	6,656	3,180	109.3%	0	0	0.0%	0	0	0.0%	46,576	39,349	18.4%
PLASTICS	PGP	0	0	0.0%	0	0	0	435	522	-16.7%	0	0	0.0%	0	0	0.0%	4,560	2,454	85.8%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	30	95	-68.4%	0	0	0.0%	0	0	0.0%	740	1,533	-51.7%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	0	75	-100.0%	0	0	0.0%	0	0	0.0%	18	324	-94.4%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
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%	20	80	-75.0%	
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%	30	64	-53.1%	
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	1,482	525	182.3%	0	0	0.0%	0	0	0.0%	9,731	3,181	205.9%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	16,233	11,589	40.1%	0	0	0.0%	0	0	0.0%	104,670	72,532	44.3%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	5,671	7,611	-25.5%	0	0	0.0%	0	0	0.0%	40,086	29,861	34.2%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	1,520	1,015	49.8%	0	0	0.0%	0	0	0.0%	8,165	8,193	-0.3%
RBOB CRACK SPREAD BALMO	1E	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	25	0	0.0%
RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	0	1,117	1,005	11.1%	0	0	0.0%	0	0	0.0%	6,223	7,793	-20.1%
RBOB PHY	RBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0	0	0	825	-100.0%	0	0	0.0%	0	0	0.0%	75	1,975	-96.2%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	31	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	360	-100.0%
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	5	40	-87.5%	0	0	0.0%	0	0	0.0%	78	335	-76.7%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	26	215	-87.9%	0	0	0.0%	0	0	0.0%	250	1,203	-79.2%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	3,293	13,453	-75.5%	0	0	0.0%	0	0	0.0%	19,254	53,767	-64.2%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	253	680	-62.8%	0	0	0.0%	0	0	0.0%	1,780	5,842	-69.5%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	87	413	-78.9%	0	0	0.0%	0	0	0.0%	360	5,311	-93.2%
SINGAPORE GASOIL	MAF	0	-	-	0	-	-	1,508	-	-	0	-	-	0	-	-	10,247	-	-
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	61	21	190.5%	0	0	0.0%	0	0	0.0%	304	379	-19.8%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	3,770	4,507	-16.4%	0	0	0.0%	0	0	0.0%	21,740	29,285	-25.8%
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,300	-100.0%
SINGAPORE GASOIL CALEND	GDH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
SINGAPORE GASOIL CALEND	GDL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	250	-100.0%
SINGAPORE GASOIL CALEND	GHS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL CALEND	MGO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	200	-100.0%
SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	0	105	100	5.0%	0	0	0.0%	0	0	0.0%	968	4,199	-76.9%
SINGAPORE GASOIL CALEND	SGG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	325	-100.0%
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	0	0	1,109	4,220	-73.7%	0	0	0.0%	0	2	-100.0%	6,588	26,701	-75.3%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	0	6,325	-100.0%	0	0	0.0%	0	0	0.0%	4,340	93,060	-95.3%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	0	215	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	0	2,325	-100.0%	0	0	0.0%	0	0	0.0%	100	24,845	-99.6%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	880	1,595	-44.8%	0	0	0.0%	0	0	0.0%	3,865	6,990	-44.7%
SINGAPORE JET KERO VS. GAS	ZO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%

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Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	50	250	-80.0%	0	0	0.0%	0	0	0.0%	1,425	2,563	-44.4%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	0	4,892	17,956	-72.8%	0	0	0.0%	0	2	-100.0%	75,824	90,238	-16.0%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	200	-100.0%
SING FUEL	MSD	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	0	80	-100.0%
SOCAL PIPE SWAP	XN	-	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%
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%	0	91	-100.0%
SUMAS NAT GAS PLATTS FIXE	DVS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	0	0	314	0	0.0%	0	0	0.0%	0	0	0.0%	1,424	548	159.9%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	206	0	0.0%	0	0	0.0%	0	0	0.0%	1,951	240	712.9%
TCO BASIS SWAP	TC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
TCO NG INDEX SWAP	Q1	-	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	6,260	2,060	203.9%	0	0	0.0%	0	0	0.0%	28,221	4,970	467.8%
TENNESSEE 500 LEG BASIS S	NM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TENNESSEE 800 LEG NG BASI	6Z	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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%
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	0	0.0%
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	0	0.0%
TRANSCO ZONE 3 NG INDEX S	Y6	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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	0	0.0%
TRANSCO ZONE 4 NAT GAS IN	B2	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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	0	0.0%
TRANSCO ZONE 6 INDEX	IT	-	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	0	0.0%	0	0	0.0%	0	0	0.0%	20	50	-60.0%
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	0	9,239	-1	0	0	0.0%	0	0	0.0%	3,149	33,034	-90.5%	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%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	14	-100.0%
ULSD 10PPM CIF NW BALMO S	B1	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	0	4,600	4,405	4.4%	0	0	0.0%	0	0	0.0%	32,545	31,445	3.5%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	32,158	24,594	30.8%	0	0	0.0%	0	0	0.0%	173,994	195,740	-11.1%

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Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
WAHA BASIS	NW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	650	3,201	-79.7%	
WAHA INDEX SWAP FUTURE	IY	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	15	-100.0%	
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	350	-100.0%	0	0	0.0%	0	0	0.0%	864	6,650	-87.0%	
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	3	-1	38,949	20,627	88.8%	0	0	0.0%	0	3	-100.0%	219,979	211,824	3.8%
WTI CALENDAR	CS	0	0	0.0%	0	0	0	28,367	22,480	26.2%	0	0	0.0%	0	0	0.0%	260,717	205,006	27.2%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	4,090	7,997	-48.9%	0	0	0.0%	0	0	0.0%	30,922	48,257	-35.9%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	175	588	-70.2%	0	0	0.0%	0	0	0.0%	4,933	1,950	153.0%
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%
BRENT 1 MONTH CAL	AA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,000	-100.0%
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0	0	690	2,765	-75.0%	0	0	0.0%	0	0	0.0%	3,030	4,305	-29.6%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,000	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	0	0	0.0%	1,500	100	14	0	55,064	-100.0%	0	0	0.0%	1,800	2,400	-25.0%	30,850	369,138	-91.6%
BRENT CRUDE OIL 6 M CSO	9L	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,000	-100.0%
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	28,520	33,019	-13.6%	0	0	0.0%	0	0	0.0%	272,819	175,063	55.8%
BRENT OIL LAST DAY	BZO	0	0	0.0%	59,627	86,238	-0.31	40,975	65,358	-37.3%	0	0	0.0%	414,489	292,733	41.6%	215,122	451,472	-52.4%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	50	-1	0	0	0.0%	0	0	0.0%	0	90	-100.0%	0	1,000	-100.0%
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	25	370	-93.2%	0	0	0.0%	0	0	0.0%	160	4,225	-96.2%
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	0	875	-100.0%	0	0	0.0%	0	0	0.0%	510	2,880	-82.3%
COAL API2 INDEX	MTC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
COAL API4 INDEX	RLA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%
COAL API4 INDEX	RQA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
COAL SWAP	CPF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
COAL SWAP	RPF	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	6Y	0	-	-	0	-	-	0	-	-	0	-	0	-	-	-	150	-	-
CRUDE OIL 1MO	WA	0	0	0.0%	9,800	13,950	-0.3	81,950	298,450	-72.5%	0	0	0.0%	44,161	95,060	-53.5%	1,357,250	1,267,050	7.1%
CRUDE OIL APO	AO	0	0	0.0%	0	30	-1	47,657	30,582	55.8%	0	0	0.0%	3	331	-99.1%	309,038	325,692	-5.1%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	170	17.6%
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	DBP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Options																			
CRUDE OIL OUTRIGHTS	WCI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	960	0	0.0%	
CRUDE OIL PHY	CD	0	0	0.0%	0	0	0	325	-100.0%	0	0	0.0%	0	0	0.0%	1,150	17,625	-93.5%	
CRUDE OIL PHY	LC	0	0	0.0%	40	0	11,442	2,260	406.3%	0	0	0.0%	40	724	-94.5%	65,248	64,631	1.0%	
CRUDE OIL PHY	LO	0	0	0.0%	2,882,306	2,702,642	0.07	407,465	638,587	-36.2%	0	0	0.0%	13,832,570	18,130,289	-23.7%	2,461,198	4,064,135	-39.4%
CRUDE OIL PHY	LO1	0	0	0.0%	11,572	7,455	0.55	325	0	0.0%	0	0	0.0%	96,719	80,450	20.2%	525	75	600.0%
CRUDE OIL PHY	LO2	0	0	0.0%	9,050	12,813	-0.29	0	100	-100.0%	0	0	0.0%	94,765	91,608	3.4%	100	250	-60.0%
CRUDE OIL PHY	LO3	0	0	0.0%	17,943	281	62.85	0	0	0.0%	0	0	0.0%	55,019	56,751	-3.1%	400	325	23.1%
CRUDE OIL PHY	LO4	0	0	0.0%	19,750	14,075	0.4	0	0	0.0%	0	0	0.0%	101,958	94,524	7.9%	0	50	-100.0%
CRUDE OIL PHY	LO5	0	0	0.0%	0	21,575	-1	0	0	0.0%	0	0	0.0%	37,864	34,689	9.2%	400	225	77.8%
ELEC MISO PEAK	9T	-	0	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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	275	-100.0%
ETHANOL	CE3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	150	-100.0%
ETHANOL SWAP	CVR	0	0	0.0%	0	0	0	9,778	8,883	10.1%	0	0	0.0%	0	0	0.0%	52,595	51,035	3.1%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	780	2,073	-62.4%	
EUROPEAN JET KEROSENE N	30	-	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%
HEATING OIL CRACK OPTIONS	CH	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HEATING OIL CRK SPD AVG PR	3W	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HEATING OIL PHY	LB	0	0	0.0%	0	0	0	264	120	120.0%	0	0	0.0%	2	0	0.0%	1,010	740	36.5%
HEATING OIL PHY	OH	0	0	0.0%	5,192	5,622	-0.08	33,049	21,474	53.9%	0	0	0.0%	26,372	37,807	-30.2%	152,031	149,714	1.5%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	2,701	2,912	-7.2%	0	0	0.0%	0	5	-100.0%	41,923	20,766	101.9%
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%	2,150	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%	0	100	-100.0%
LLS CRUDE OIL	YVO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	130	255	-49.0%
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	0	0.0%	670	1,875	-64.3%
NATURAL GAS	G10	-	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	153	-1	13,300	14,550	-8.6%	0	0	0.0%	2,870	154	1,763.6%	204,405	237,491	-13.9%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	550	1,000	-45.0%	0	0	0.0%	0	0	0.0%	2,375	1,000	137.5%
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	38,650	5,450	609.2%	0	0	0.0%	0	1	-100.0%	84,350	34,895	141.7%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	0	850	0	0.0%	0	0	0.0%	0	0	0.0%	1,100	2,550	-56.9%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	0	1,250	2,000	-37.5%	0	0	0.0%	0	0	0.0%	33,725	67,650	-50.1%
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	800	200	300.0%	0	0	0.0%	0	0	0.0%	9,100	19,508	-53.4%
NATURAL GAS PHY	KD	0	0	0.0%	90	12,980	-0.99	4,250	10,680	-60.2%	0	0	0.0%	2,010	85,786	-97.7%	11,625	53,045	-78.1%

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Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Options																			
NATURAL GAS PHY	LN	0	0	0.0%	820,319	676,919	0.21	682,145	424,020	60.9%	0	0	0.0%	4,466,497	6,510,787	-31.4%	4,025,446	4,449,543	-9.5%
NATURAL GAS PHY	ON	0	0	0.0%	122,791	163,720	-0.25	1,475	1,894	-22.1%	0	0	0.0%	716,034	1,013,408	-29.3%	26,654	57,423	-53.6%
NATURAL GAS WINTER STRIP	6I	0	-	-	0	-	0	-	-	0	-	-	0	-	-	1,300	-	-	
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	0	546	224	143.8%	0	0	0.0%	0	0	0.0%	2,118	960	120.6%
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	41	82	-0.5	3,416	1,467	132.9%	0	0	0.0%	252	343	-26.5%	14,770	16,844	-12.3%
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	0	0.0%
NYMEX EUROPEAN GASOIL AP	F7	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PANHANDLE PIPE SWAP	PU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	4H	0	0	0.0%	1	15	-0.93	2,710	310	774.2%	0	0	0.0%	11	20	-45.0%	4,564	3,146	45.1%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	1,350	-85.2%
PETROCHEMICALS	4K	0	0	0.0%	0	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	160	200	-20.0%
PETROCHEMICALS	CPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	40	0	0.0%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	BCO	0	-	-	0	-	0	-	-	0	-	-	0	-	-	24	-	-	
PETRO OUTRIGHT NA	DAP	0	0	0.0%	0	0	0	120	0	0.0%	0	0	0.0%	0	0	0.0%	120	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0	0	380	60	533.3%	0	0	0.0%	0	0	0.0%	540	310	74.2%
PJM WES HUB PEAK CAL MTH	JOA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	880	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	0	0.0%	0	0	0	0	983	-100.0%	0	0	0.0%	0	0	0.0%	836	6,322	-86.8%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	150	700	-78.6%
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0	0	24	0	0.0%	0	0	0.0%	0	0	0.0%	261	965	-73.0%
RBOB CRACK	RX	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
RBOB PHY	OB	0	0	0.0%	4,358	2,488	0.75	12,995	11,910	9.1%	0	0	0.0%	22,101	25,717	-14.1%	81,080	48,920	65.7%
RBOB PHY	RF	0	0	0.0%	0	0	0	12	0	0.0%	0	0	0.0%	6	0	0.0%	1,018	125	714.4%
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	364	186	95.7%	0	0	0.0%	0	0	0.0%	1,274	1,422	-10.4%
SHORT TERM	C15	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
SHORT TERM	U11	0	0	0.0%	0	0	0	0	75	-100.0%	0	0	0.0%	0	1	-100.0%	250	1,025	-75.6%
SHORT TERM	U12	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	85	-100.0%	700	500	40.0%
SHORT TERM	U13	0	0	0.0%	0	0	0	150	0	0.0%	0	0	0.0%	0	0	0.0%	150	100	50.0%
SHORT TERM	U14	0	0	0.0%	0	0	0	0	75	-100.0%	0	0	0.0%	0	13	-100.0%	50	800	-93.8%
SHORT TERM	U15	0	0	0.0%	0	0	0	0	500	-100.0%	0	0	0.0%	25	127	-80.3%	800	650	23.1%
SHORT TERM	U22	0	0	0.0%	0	30	-1	0	100	-100.0%	0	0	0.0%	1	66	-98.5%	0	1,125	-100.0%
SHORT TERM	U23	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	17	80	-78.8%	0	500	-100.0%
SHORT TERM	U24	0	0	0.0%	0	0	0	150	0	0.0%	0	0	0.0%	0	126	-100.0%	150	300	-50.0%

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Energy Options																			
SHORT TERM	U25	0	0	0.0%	0	2	-1	0	100	-100.0%	0	0	0.0%	0	2	-100.0%	0	100	-100.0%
SHORT TERM	U26	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	25	0	0.0%	500	350	42.9%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	20	-1	0	250	-100.0%	0	0	0.0%	0	95	-100.0%	0	1,350	-100.0%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	4	30	-86.7%	400	725	-44.8%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0	0	0	575	-100.0%	0	0	0.0%	0	25	-100.0%	600	925	-35.1%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	55	-1	0	50	-100.0%	0	0	0.0%	0	80	-100.0%	200	730	-72.6%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	5	50	-0.9	350	150	133.3%	0	0	0.0%	5	50	-90.0%	400	600	-33.3%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	1	-1	0	1,050	-100.0%	0	0	0.0%	0	1	-100.0%	600	1,600	-62.5%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	500	1,375	-63.6%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	34	-100.0%	100	700	-85.7%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	700	-100.0%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	47	-100.0%	100	550	-81.8%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	80	-100.0%	0	2,200	-100.0%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0	0	0	850	-100.0%	0	0	0.0%	25	22	13.6%	0	1,350	-100.0%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	60	-100.0%	0	125	-100.0%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	0	0	300	300	0.0%	0	0	0.0%	0	0	0.0%	300	300	0.0%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	3	-100.0%	50	350	-85.7%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	400	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	25	0	0.0%	400	100	300.0%
SHORT TERM NATURAL GAS	U29	0	0	0.0%	0	10	-1	0	50	-100.0%	0	0	0.0%	0	10	-100.0%	0	450	-100.0%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	100	100.0%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	850	0	0.0%
SINGAPORE GASOIL CALEND	M2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEND	N2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	ZN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
WTI-BRENT BULLET SWAP	BV	0	0	0.0%	1,250	2,450	-0.49	33,400	59,773	-44.1%	0	0	0.0%	27,805	135,261	-79.4%	288,775	549,441	-47.4%
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	0	600	-1	55,550	90,700	-38.8%	0	0	0.0%	8,600	13,750	-37.5%	356,665	481,300	-25.9%

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Metals Futures																			
COMEX GOLD	GC	0	0	0.0%	7,034,651	5,505,752	0.28	273,932	233,198	17.5%	0	0	0.0%	35,301,375	42,738,699	-17.4%	1,214,140	1,608,422	-24.5%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	4,596	3,120	0.47	9,435	2,106	348.0%	0	0	0.0%	24,256	18,773	29.2%	87,367	37,176	135.0%
NYMEX PLATINUM	PL	0	0	0.0%	574,823	631,904	-0.09	18,729	20,959	-10.6%	0	0	0.0%	2,681,649	2,744,553	-2.3%	105,106	77,642	35.4%
PALLADIUM	PA	0	0	0.0%	72,345	90,472	-0.2	2,023	3,189	-36.6%	0	0	0.0%	648,057	701,148	-7.6%	20,492	29,476	-30.5%
URANIUM	UX	0	0	0.0%	34	31	0.1	1,200	400	200.0%	0	0	0.0%	395	110	259.1%	8,689	1,333	551.8%
COMEX SILVER	SI	0	0	0.0%	2,588,030	2,398,646	0.08	63,190	87,695	-27.9%	0	0	0.0%	10,500,473	12,609,573	-16.7%	275,670	389,358	-29.2%
COMEX E-Mini GOLD	QO	0	0	0.0%	24,735	5,175	3.78	0	0	0.0%	0	0	0.0%	68,268	40,680	67.8%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	5,520	1,586	2.48	0	0	0.0%	0	0	0.0%	22,023	7,443	195.9%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	2,248,575	3,580,829	-0.37	8,489	38,979	-78.2%	0	0	0.0%	12,676,233	17,367,541	-27.0%	112,193	178,531	-37.2%
COMEX MINY COPPER	QC	0	0	0.0%	1,022	418	1.44	0	0	0.0%	0	0	0.0%	3,909	3,180	22.9%	0	0	0.0%
ALUMINUM	A38	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	22	0	0.0%
ALUMINUM	AEP	0	0	0.0%	0	0	0	360	960	-62.5%	0	0	0.0%	55	0	0.0%	9,010	10,800	-16.6%
ALUMINUM	ALA	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	240	4,000	-94.0%
ALUMINUM	ALI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ALUMINUM	AUP	0	0	0.0%	150	570	-0.74	1,483	6,605	-77.5%	0	0	0.0%	3,880	4,522	-14.2%	30,737	61,591	-50.1%
ALUMINUM	CUP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	0	180	-100.0%
ALUMINUM	EDP	0	0	0.0%	0	0	0	850	180	372.2%	0	0	0.0%	72	5	1,340.0%	10,942	8,652	26.5%
ALUMINUM	MJP	0	0	0.0%	0	20	-1	0	360	-100.0%	0	0	0.0%	0	76	-100.0%	4,200	7,779	-46.0%
COPPER	HGS	0	0	0.0%	0	0	0	95	516	-81.6%	0	0	0.0%	0	0	0.0%	5,744	10,639	-46.0%
E-MICRO GOLD	MGC	0	0	0.0%	491,048	112,175	3.38	0	0	0.0%	0	0	0.0%	1,468,738	780,046	88.3%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	782	35	21.34	535	120	345.8%	0	0	0.0%	3,749	102	3,575.5%	3,918	10,353	-62.2%
GOLD	GPS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Gold Kilo	GCK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	136	-100.0%	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%	0	0	0.0%
IRON ORE 62 CHINA TSI FUTUR	TIO	0	0	0.0%	0	20	-1	3,755	2,746	36.7%	0	0	0.0%	28	79	-64.6%	38,761	22,450	72.7%
LNDN ZINC	ZNC	0	0	0.0%	36	1,116	-0.97	0	0	0.0%	0	0	0.0%	1,230	1,293	-4.9%	0	0	0.0%
SILVER	SIL	0	0	0.0%	18,580	9,728	0.91	0	0	0.0%	0	0	0.0%	95,506	44,542	114.4%	0	0	0.0%

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Commodity Indicator	Open Outcry JUN 2019	Open Outcry JUN 2018	% CHG	ELEC JUN 2019	ELEC JUN 2018	% CHG	CME ClearPort JUN 2019	CME ClearPort JUN 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Metals Options																			
COMEX COPPER	HX	0	0	0.0%	54,532	25,461	1.14	12,161	7,760	56.7%	0	0	0.0%	257,220	97,258	164.5%	116,596	39,479	195.3%
COMEX GOLD	OG	0	0	0.0%	1,644,829	747,064	1.2	457,586	212,669	115.2%	0	0	0.0%	5,422,937	4,578,848	18.4%	1,426,658	1,196,231	19.3%
COMEX SILVER	SO	0	0	0.0%	166,061	159,517	0.04	20,426	32,315	-36.8%	0	0	0.0%	688,932	794,103	-13.2%	111,720	130,086	-14.1%
COPPER	H1E	0	-	-	15	-	0	-	-	0	-	-	132	-	-	0	-	-	
COPPER	H2E	0	0	0.0%	49	7	6	0	0	0.0%	0	0	0.0%	318	7	4,442.9%	0	0	0.0%
COPPER	H3E	0	0	0.0%	24	5	3.8	0	0	0.0%	0	0	0.0%	79	5	1,480.0%	0	0	0.0%
COPPER	H4E	0	0	0.0%	52	25	1.08	0	0	0.0%	0	0	0.0%	95	36	163.9%	0	0	0.0%
COPPER	H5E	0	-	-	0	-	0	-	-	0	-	-	20	-	-	0	-	-	
GOLD	OG1	0	0	0.0%	73,402	6,193	10.85	8,130	0	0.0%	0	0	0.0%	180,785	57,958	211.9%	12,480	1,460	754.8%
GOLD	OG2	0	0	0.0%	39,081	7,256	4.39	1,000	150	566.7%	0	0	0.0%	158,058	47,202	234.9%	9,700	3,120	210.9%
GOLD	OG3	0	0	0.0%	30,542	12,258	1.49	400	50	700.0%	0	0	0.0%	116,225	57,184	103.2%	5,554	3,750	48.1%
GOLD	OG4	0	0	0.0%	40,307	7,927	4.08	2,150	0	0.0%	0	0	0.0%	96,431	34,257	181.5%	4,600	1,250	268.0%
GOLD	OG5	0	0	0.0%	0	8,540	-1	0	0	0.0%	0	0	0.0%	26,713	15,375	73.7%	1,950	0	0.0%
HOT ROLLED COIL STEEL CALL	HRO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	600	0	0.0%
IRON ORE 62 CHINA TSI CALL C	ICT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6,660	200	3,230.0%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	3,600	1,280	181.3%
NYMEX PLATINUM	PO	0	0	0.0%	719	1,814	-0.6	4,000	4,025	-0.6%	0	0	0.0%	8,367	8,919	-6.2%	15,551	12,691	22.5%
PALLADIUM	PAO	0	0	0.0%	1,202	1,343	-0.1	510	1,250	-59.2%	0	0	0.0%	4,151	10,310	-59.7%	4,184	8,857	-52.8%
SILVER	SO1	0	0	0.0%	2,609	466	4.6	525	0	0.0%	0	0	0.0%	7,459	1,206	518.5%	725	0	0.0%
SILVER	SO2	0	0	0.0%	1,569	545	1.88	0	0	0.0%	0	0	0.0%	5,503	1,212	354.0%	200	0	0.0%
SILVER	SO3	0	0	0.0%	994	802	0.24	0	0	0.0%	0	0	0.0%	6,333	1,767	258.4%	100	0	0.0%
SILVER	SO4	0	0	0.0%	1,094	502	1.18	0	0	0.0%	0	0	0.0%	3,225	976	230.4%	0	0	0.0%
SILVER	SO5	0	0	0.0%	0	1,048	-1	0	0	0.0%	0	0	0.0%	1,867	1,181	58.1%	0	0	0.0%
TOTAL FUTURES GROUP																			
Ag Products Futures		0	0	0.0%	24	0	0.0%	0	0	0.0%	0	0	0.0%	33	65	-49.2%	0	0	0.0%
Energy Futures		0	0	0.0%	41,489,925	46,170,753	-10.1%	2,560,068	2,408,449	6.3%	0	0	0.0%	253,612,353	279,236,345	-9.2%	15,827,329	17,320,371	-8.6%
Metals Futures		0	0	0.0%	13,064,927	12,341,597	5.9%	384,076	398,313	-3.6%	0	0	0.0%	63,499,896	77,062,526	-17.6%	1,927,231	2,458,382	-21.6%
TOTAL FUTURES		0	0	0.0%	54,554,876	58,512,350	-6.8%	2,944,144	2,806,762	4.9%	0	0	0.0%	317,112,282	356,298,936	-11.0%	17,754,560	19,778,753	-10.2%



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TOTAL OPTIONS GROUP																		
Energy Options	0	0	0.0%	3,965,635	3,724,406	6.5%	1,518,878	1,791,606	-15.2%	0	0	0.0%	19,952,075	26,703,750	-25.3%	10,130,374	13,037,749	-22.3%
Metals Options	0	0	0.0%	2,057,081	980,773	109.7%	506,888	258,419	96.1%	0	0	0.0%	6,984,850	5,707,804	22.4%	1,720,878	1,398,404	23.1%
TOTAL OPTIONS	0	0	0.0%	6,022,716	4,705,179	28.0%	2,025,766	2,050,025	-1.2%	0	0	0.0%	26,936,925	32,411,554	-16.9%	11,851,252	14,436,153	-17.9%
TOTAL COMBINED																		
Ag Products	0	0	0.0%	24	0	0.0%	0	0	0.0%	0	0	0.0%	33	65	-49.2%	0	0	0.0%
Energy	0	0	0.0%	45,455,560	49,895,159	-8.9%	4,078,946	4,200,055	-2.9%	0	0	0.0%	273,564,428	305,940,095	-10.6%	25,957,703	30,358,120	-14.5%
Metals	0	0	0.0%	15,122,008	13,322,370	13.5%	890,964	656,732	35.7%	0	0	0.0%	70,484,746	82,770,330	-14.8%	3,648,109	3,856,786	-5.4%
GRAND TOTAL	0	0	0.0%	60,577,592	63,217,529	-4.2%	4,969,910	4,856,787	2.3%	0	0	0.0%	344,049,207	388,710,490	-11.5%	29,605,812	34,214,906	-13.5%

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