

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 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%	0	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%	14	0	0	0	0.0%	0	0	0.0%	29	2	1,350.0%	0	0	0.0%	
SUGAR 11	YO	0	0	0.0%	0	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%	22,462,243	22,689,538	-0.01	363,097	366,688	-1.0%	0	0	0.0%	171,582,848	187,583,797	-8.5%	3,318,747	3,268,888	1.5%
CRUDE OIL	WS	0	0	0.0%	0	0	0	0	4,800	-100.0%	0	0	0.0%	0	89	-100.0%	16,694	15,050	10.9%
MINY WTI CRUDE OIL	QM	0	0	0.0%	550,243	403,151	0.36	0	0	0.0%	0	0	0.0%	3,208,632	2,380,009	34.8%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	1,976,266	1,610,194	0.23	31,126	40,833	-23.8%	0	0	0.0%	14,737,444	12,573,585	17.2%	383,267	276,656	38.5%
HEATING OIL PHY	HO	0	0	0.0%	2,883,991	3,171,255	-0.09	198,282	154,960	28.0%	0	0	0.0%	21,713,479	26,230,278	-17.2%	1,604,097	1,319,537	21.6%
HTG OIL	BH	0	0	0.0%	0	0	0	48	36	33.3%	0	0	0.0%	0	0	0.0%	96	84	14.3%
MINY HTG OIL	QH	0	0	0.0%	3	4	-0.25	0	0	0.0%	0	0	0.0%	23	22	4.5%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	4,012,160	3,776,733	0.06	223,151	182,669	22.2%	0	0	0.0%	29,384,002	27,333,173	7.5%	1,836,333	1,536,074	19.5%
MINY RBOB GAS	QU	0	0	0.0%	6	4	0.5	0	0	0.0%	0	0	0.0%	43	23	87.0%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	28,753	31,291	-0.08	72,068	43,554	65.5%	0	0	0.0%	271,167	342,255	-20.8%	495,212	476,404	3.9%
LTD NAT GAS	HH	0	0	0.0%	151,395	146,864	0.03	121,462	117,165	3.7%	0	0	0.0%	1,125,057	1,463,095	-23.1%	1,073,380	925,882	15.9%
MINY NATURAL GAS	QG	0	0	0.0%	33,478	18,448	0.81	0	12	-100.0%	0	0	0.0%	191,184	185,986	2.8%	0	36	-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%	8,827,979	6,867,404	0.29	209,182	224,208	-6.7%	0	0	0.0%	52,170,897	59,742,918	-12.7%	1,778,059	1,940,078	-8.4%
RBOB GAS	RT	0	0	0.0%	0	0	0	12	36	-66.7%	0	0	0.0%	0	0	0.0%	72	14,374	-99.5%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	3	0	0.0%	0	0	0.0%	0	0	0.0%	81	452	-82.1%
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	2,505	11,970	-79.1%	0	0	0.0%	0	30	-100.0%	72,746	172,071	-57.7%

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Energy Futures																			
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	5,444	3,918	38.9%	0	0	0.0%	0	0	0.0%	42,981	40,301	6.6%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	2,522	2,024	24.6%	0	0	0.0%	0	0	0.0%	19,904	17,151	16.1%
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	50	135	-63.0%	0	0	0.0%	0	0	0.0%	963	185	420.5%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	12,224	1,669	632.4%	0	0	0.0%	0	0	0.0%	48,284	24,992	93.2%
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	0	0.0%	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	237	127	86.6%	0	0	0.0%	0	0	0.0%	319	127	151.2%
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	15	-1	96,231	66,938	43.8%	0	0	0.0%	474	1,845	-74.3%	749,040	690,391	8.5%
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	365	550	-33.6%	0	0	0.0%	0	0	0.0%	4,214	2,534	66.3%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	245	125	96.0%	0	0	0.0%	0	0	0.0%	1,120	750	49.3%
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	688	1,216	-43.4%	0	0	0.0%	0	0	0.0%	3,870	8,796	-56.0%
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	230	-100.0%	0	0	0.0%	0	0	0.0%	325	230	41.3%
COAL SWAP	ACM	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	0	450	-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	50	89	-43.8%	0	0	0.0%	0	0	0.0%	1,233	1,314	-6.2%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	335	209	60.3%	0	0	0.0%	0	0	0.0%	2,796	2,426	15.3%

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Energy Futures																			
CONWAY PROPANE 5 DECIMAL	8K	0	0.0%	0	0	0	13,696	13,364	2.5%	0	0	0.0%	123	31	296.8%	108,571	110,899	-2.1%	
CRUDE OIL	LPS	0	0.0%	0	0	0	2,100	5,150	-59.2%	0	0	0.0%	0	0	0.0%	19,825	33,955	-41.6%	
CRUDE OIL OUTRIGHTS	42	0	0.0%	0	0	0	42	243	-82.7%	0	0	0.0%	0	0	0.0%	3,051	1,797	69.8%	
CRUDE OIL OUTRIGHTS	CC5	0	0.0%	0	0	0	621	0	0.0%	0	0	0.0%	0	0	0.0%	3,071	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	0	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	0	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	63,946	40,225	59.0%	0	0	0.0%	0	0	0.0%	419,744	372,418	12.7%	
CRUDE OIL OUTRIGHTS	LSW	0	0.0%	0	0	0	0	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	1,535	2,758	-44.3%	0	0	0.0%	0	0	0.0%	32,294	53,950	-40.1%	
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	-	-	8,130	-	4,700	-	-	0	-	-	99,106	-	-	44,169	-	-	
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	29,995	29,726	0.9%	0	0	0.0%	0	0	0.0%	166,280	343,516	-51.6%	
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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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	85	-100.0%	0	0	0.0%	0	0	0.0%	1,000	3,135	-68.1%	
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	490	2,075	-76.4%	0	0	0.0%	0	0	0.0%	17,538	14,027	25.0%	
DUTCH TTF NATURAL GAS CAL	TTF	0	0	0.0%	17,365	482	35.03	0	0	0.0%	0	0.0%	59,242	7,170	726.2%	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	15	-100.0%	0	0	0.0%	0	0	0.0%	0	245	-100.0%	
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	10	30	-66.7%	0	0	0.0%	0	0	0.0%	20	187	-89.3%	
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	389	31	1,154.8%	0	0	0.0%	0	0	0.0%	2,642	1,480	78.5%	
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	0	0.0%	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%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 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	0	0.0%	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	10	120	-91.7%	0	0	0.0%	0	0	0.0%	530	250	112.0%
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	1,879	2,339	-19.7%	0	0	0.0%	0	0	0.0%	23,478	20,610	13.9%
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	23	-87.0%
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	72	701	-89.7%	0	0	0.0%	0	0	0.0%	291	4,710	-93.8%
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	12	17	-29.4%	0	0	0.0%	0	0	0.0%	147	709	-79.3%
EURO-DENOMINATED PETRO P	NCP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	370	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0	0	48	-100.0%	0	0	0.0%	0	0	0.0%	450	366	23.0%
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	14	2	600.0%	0	0	0.0%	0	0	0.0%	367	673	-45.5%
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	380	7,697	-95.1%	0	0	0.0%	0	0	0.0%	7,273	64,334	-88.7%
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	100	318	-0.69	0	0.0%	0	0	0.0%	732	3,317	-77.9%	0	0	0.0%
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	181	410	-55.9%	0	0	0.0%	0	0	0.0%	1,335	2,012	-33.6%
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	2,124	7,925	-73.2%	0	0	0.0%	0	0	0.0%	32,224	63,590	-49.3%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	0	0	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	6	-100.0%	0	0	0.0%	0	0	0.0%	5	21	-76.2%
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	1,682	4,080	-58.8%	0	0	0.0%	0	0	0.0%	14,884	23,529	-36.7%
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	1,703	1,189	43.2%	0	0	0.0%	0	0	0.0%	13,839	12,517	10.6%
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	361	177	104.0%	0	0	0.0%	0	0	0.0%	1,143	785	45.6%
FREIGHT MARKETS	FRC	0	0	0.0%	0	0	230	0	0.0%	0	0	0.0%	0	0	0.0%	1,120	540	107.4%
FREIGHT MARKETS	FRS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	70	0	0.0%
FREIGHT MARKETS	T2D	0	0	0.0%	0	0	545	330	65.2%	0	0	0.0%	0	0	0.0%	4,100	1,938	111.6%
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	0	70	30	133.3%	0	0	0.0%	0	0	0.0%	140	30	366.7%
FREIGHT MARKETS	TD8	0	-	-	0	-	0	-	-	0	-	-	0	-	-	60	-	-
FREIGHT MARKETS	USC	0	-	-	0	-	60	-	-	0	-	-	0	-	-	60	-	-
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	1,214	2,312	-47.5%	0	0	0.0%	0	0	0.0%	11,168	30,447	-63.3%
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	0	0.0%	0	0	0.0%	0	0	0.0%	6	154	-96.1%

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Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 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																		
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0	0	48	-100.0%	0	0	0.0%	0	0	0.0%	0	120	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	36	203	-82.3%	0	0	0.0%	0	0	0.0%	1,416	1,713	-17.3%
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	2,902	7,209	-59.7%	0	0	0.0%	0	0	0.0%	42,837	55,668	-23.0%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	5,279	13,153	-59.9%	0	0	0.0%	0	0	0.0%	63,065	139,577	-54.8%
GASOIL 0.1 CIF MED SWAP	Z4	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-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%	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%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	21	5	320.0%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	95	-100.0%	0	0	0.0%	0	0	0.0%	103	1,255	-91.8%
GASOIL 10P CRG CIF NW VS	3V	-	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%	39	12	225.0%
GASOIL BULLET SWAP	BG	-	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	12	0	0.0%	0	0	0.0%	0	0	0.0%	90	48	87.5%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	960	1,524	-37.0%	0	0	0.0%	0	0	0.0%	4,994	32,720	-84.7%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	427	384	11.2%	0	0	0.0%	0	0	0.0%	1,698	1,270	33.7%
GERMAN POWER BASELOAD C	DEB	0	0	0.0%	5,143	0	0	0	0.0%	0	0	0.0%	17,435	2,076	739.8%	0	0	0.0%
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	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	425	-100.0%
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	4,648	2,060	125.6%	0	0	0.0%	0	0	0.0%	24,995	24,838	0.6%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	1,810	2,160	-16.2%	0	0	0.0%	0	0	0.0%	19,817	13,792	43.7%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	809	1,846	-56.2%	0	0	0.0%	0	0	0.0%	4,938	10,485	-52.9%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	267	915	-70.8%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	20,360	27,628	-26.3%	0	0	0.0%	0	0	0.0%	152,410	271,668	-43.9%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	2	0	18,312	47,665	-61.6%	0	0	0.0%	2	0	0.0%	165,460	426,001	-61.2%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	160	835	-80.8%	0	0	0.0%	0	0	0.0%	1,493	14,343	-89.6%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	277	98	182.7%	0	0	0.0%	0	0	0.0%	2,842	1,810	57.0%
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	1,295	-100.0%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	40	0	0.0%	0	0	0.0%	0	0	0.0%	565	223	153.4%
HEATING OIL CRCK SPRD BAL	1H	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%
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	0	1,178	0	0.0%	0	0	0.0%	0	0	0.0%	12,426	7,432	67.2%
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	3,975	0	0	0.0%	0	0	0.0%	0	18,046	-100.0%	0	0	0.0%
HENRY HUB FINANCIAL LAST	TTE	0	0	0.0%	0	69	0	0	0.0%	0	0	0.0%	0	777	-100.0%	0	0	0.0%

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Energy Futures																			
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	1,178	0	0.0%	0	0	0.0%	0	0	0.0%	12,426	7,432	67.2%
HENRY HUB SWAP	NN	0	0	0.0%	0	671	-1	74,882	201,790	-62.9%	0	0	0.0%	122	54,635	-99.8%	779,164	1,157,440	-32.7%
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	4,276	7,850	-45.5%	0	0	0.0%	0	0	0.0%	39,114	71,498	-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 ICI4	ICI	0	0	0.0%	0	0	0	550	240	129.2%	0	0	0.0%	0	0	0.0%	2,760	775	256.1%
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	824	2,037	-59.5%	0	0	0.0%	0	0	0.0%	8,683	14,993	-42.1%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	10	185	-94.6%	0	0	0.0%	0	0	0.0%	289	401	-27.9%
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	138	-100.0%	0	0	0.0%	0	0	0.0%	70	630	-88.9%
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	4,915	3,420	43.7%	0	0	0.0%	0	0	0.0%	31,313	42,257	-25.9%
JKM LNG Futures	JKM	0	0	0.0%	0	0	0	1,760	2,065	-14.8%	0	0	0.0%	0	0	0.0%	10,976	7,010	56.6%
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	0	775	-100.0%	0	0	0.0%	0	0	0.0%	325	2,525	-87.1%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	375	150	150.0%	0	0	0.0%	0	0	0.0%	2,675	4,075	-34.4%
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	1,425	1,115	27.8%	0	0	0.0%	0	0	0.0%	9,305	16,255	-42.8%
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	1,080	2,530	-57.3%	0	0	0.0%	0	0	0.0%	16,539	44,420	-62.8%
LOS ANGELES CARB GASOLIN	MH	0	-	-	0	-	0	10	-	-	0	-	0	-	-	-	10	-	-
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	1,440	150	860.0%	0	0	0.0%	0	0	0.0%	12,820	18,700	-31.4%

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Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 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 (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	0	0	12,197	6,165	97.8%	0	0	0.0%	480	0	0.0%	131,104	171,635	-23.6%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	0	2,319	-100.0%
MCCLOSKY ARA ARGS COAL	MTF	0	0	0.0%	456	285	0.6	34,705	21,035	65.0%	0	0	0.0%	4,299	714	502.1%	206,255	173,314	19.0%
MCCLOSKY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	2,312	3,013	-23.3%	0	0	0.0%	0	0	0.0%	17,264	23,877	-27.7%
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	10	30	-66.7%	0	0	0.0%	0	0	0.0%	360	533	-32.5%
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	114	552	-79.3%	0	0	0.0%	0	0	0.0%	1,344	2,686	-50.0%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	0	851	-100.0%	0	0	0.0%	0	0	0.0%	3,500	2,660	31.6%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	2,042	1,614	26.5%	0	0	0.0%	0	0	0.0%	16,882	11,459	47.3%
MJC FUT	MJC	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	150	1,245	-88.0%
MNC FUT	MNC	0	0	0.0%	0	0	0	3,232	3,792	-14.8%	0	0	0.0%	0	0	0.0%	28,633	26,217	9.2%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	20,907	11,511	81.6%	0	0	0.0%	0	0	0.0%	105,280	105,489	-0.2%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	155	300	-48.3%	0	0	0.0%	0	0	0.0%	1,219	1,160	5.1%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	3	48	-0.94	162,348	93,941	72.8%	0	0	0.0%	75	136	-44.9%	1,012,396	852,084	18.8%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	1,653	2,472	-33.1%	0	0	0.0%	0	0	0.0%	22,071	20,626	7.0%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	0	9,154	4,528	102.2%	0	0	0.0%	0	0	0.0%	56,835	58,803	-3.3%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	865	215	302.3%	0	0	0.0%	0	0	0.0%	4,724	2,844	66.1%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	51,174	39,530	29.5%	0	0	0.0%	0	0	0.0%	314,011	225,797	39.1%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	1,010	2,284	-55.8%	0	0	0.0%	0	0	0.0%	9,144	7,496	22.0%
NAT GAS BASIS SWAP	TZ6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	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	21,025	21,360	-1.6%	0	0	0.0%	0	0	0.0%	202,598	249,706	-18.9%
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	0	0.0%	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	0	0.0%	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%



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Energy Futures																		
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 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	925	105.6%	0	0	0.0%	0	0	0.0%	5,449	9,636	-43.5%
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%	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	0	-100.0%	0	0	0.0%	0	0	0.0%	675	2,158	-68.7%
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 S	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	488	-74.6%	0	0	0.0%	0	0	0.0%	3,143	12,558	-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	-100.0%	0	0	0.0%	0	0	0.0%	775	1,200	-35.4%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0	0	25	0.0%	0	0	0.0%	0	0	0.0%	25	0	0.0%
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	4	12	-0.67	494	-75.1%	0	0	0.0%	8	58	-86.2%	15,471	10,357	49.4%
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	0	0.0%	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	502	-43.4%	0	0	0.0%	0	0	0.0%	5,485	8,175	-32.9%
NY HARBOR RESIDUAL FUEL C	ML	0	-	-	0	-	0	0	-	0	-	-	0	-	-	0	-	-
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	2,235	7,307	-69.4%
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	0	-100.0%	0	0	0.0%	0	0	0.0%	240	246	-2.4%
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	465	-100.0%
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	60	215	-72.1%
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%

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Energy Futures																		
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0	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	0	0.0%	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	6,375	0	0.0%	0	0	0.0%	0	0	0.0%	8,174	18,284	-55.3%
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	77	79	-2.5%	0	0	0.0%	0	0	0.0%	1,495	213	601.9%
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	179	176	1.7%	0	0	0.0%	0	0	0.0%	1,166	1,116	4.5%
PETROCHEMICALS	32	0	0	0.0%	0	0	132	64	106.3%	0	0	0.0%	0	0	0.0%	791	1,175	-32.7%
PETROCHEMICALS	3NA	0	-	-	0	-	2	-	-	0	-	-	0	-	-	49	-	-
PETROCHEMICALS	51	0	0	0.0%	0	0	60	0	0.0%	0	0	0.0%	0	0	0.0%	77	23	234.8%
PETROCHEMICALS	8I	0	0	0.0%	0	0	360	602	-40.2%	0	0	0.0%	0	0	0.0%	4,037	5,640	-28.4%
PETROCHEMICALS	91	0	0	0.0%	0	0	370	222	66.7%	0	0	0.0%	0	0	0.0%	3,207	2,944	8.9%
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	30	0	0.0%	0	0	0.0%	0	0	0.0%	280	50	460.0%
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	769	298	158.1%	0	0	0.0%	0	0	0.0%	2,339	1,378	69.7%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	275	110	150.0%	0	0	0.0%	0	0	0.0%	1,486	761	95.3%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	210	470	-55.3%	0	0	0.0%	0	0	0.0%	2,395	5,700	-58.0%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	410	1,454	-71.8%	0	0	0.0%	0	0	0.0%	5,593	15,280	-63.4%
PETROCHEMICALS	MPS	0	0	0.0%	0	0	108	90	20.0%	0	0	0.0%	0	0	0.0%	1,583	770	105.6%

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Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 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	JNC	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 ASIA	STI	0	0	0.0%	0	0	0	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	100	-100.0%	
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	21	110.0%	0	0	0.0%	0	0	0.0%	232	509	-54.4%	
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	7,150	242.1%	0	0	0.0%	0	0	0.0%	46,665	9,220	406.1%	
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	2,021	-10.1%	0	0	0.0%	0	0	0.0%	20,181	20,730	-2.6%	
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	700	0.0%	0	0	0.0%	0	0	0.0%	3,220	5,375	-40.1%	
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	1,150	-26.8%	0	0	0.0%	0	0	0.0%	4,968	8,735	-43.1%	
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	1,740	-100.0%	
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	476	-68.8%	0	0	0.0%	0	0	0.0%	9,695	10,364	-6.5%	
PETRO CRCKS & SPRDS NA	GCM	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	4,723	-43.2%	0	0	0.0%	0	0	0.0%	23,763	93,784	-74.7%	
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	100	40	150.0%	
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	110	60	83.3%	0	0	0.0%	0	0	0.0%	8,642	6,941	24.5%
PETRO CRCKS & SPRDS NA	KSD	-	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	-	-	
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%	
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	75	0.0%	0	0	0.0%	0	0	0.0%	75	0	0.0%	
PETRO CRCKS & SPRDS NA	NYH	-	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	2,182	-39.7%	0	0	0.0%	0	0	0.0%	57,544	38,419	49.8%	
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	11,810	-2.0%	0	0	0.0%	0	0	0.0%	102,118	123,897	-17.6%	
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	101	206.1%	0	0	0.0%	0	0	0.0%	694	321	116.2%	
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	739	-65.4%	0	0	0.0%	0	0	0.0%	9,433	13,498	-30.1%	
PETRO CRK&SPRD EURO	1ND	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	3	-99.3%	0	0	0.0%	0	0	0.0%	155	2,768	-94.4%	
PETRO CRK&SPRD EURO	BFR	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	105	-91.4%	0	0	0.0%	0	0	0.0%	3,107	13,320	-76.7%	
PETRO CRK&SPRD EURO	EGB	-	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%	
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	8	-11.1%	0	0	0.0%	0	0	0.0%	23	188	-87.8%	
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	602	-15.0%	0	0	0.0%	0	0	0.0%	4,143	6,676	-37.9%	
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	728	-67.6%	0	0	0.0%	0	0	0.0%	3,064	16,461	-81.4%	
PETRO CRK&SPRD EURO	FBT	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	30	-100.0%	

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Energy Futures																			
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	0	135	0	0.0%	0	0	0.0%	0	0	0.0%	417	680	-38.7%
PETRO CRK&SPRD EURO	GOC	0	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	0.0%	120	80	50.0%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	80	163	-50.9%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	58	132	-56.1%
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	0	255	1,488	-82.9%	0	0	0.0%	0	0	0.0%	3,180	11,545	-72.5%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	51	125	-59.2%
PETROLEUM PRODUCTS	1NM	0	-	-	0	-	-	110	-	-	0	-	-	0	-	-	643	-	-
PETROLEUM PRODUCTS	EWB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	0	1,075	3,952	-72.8%	0	0	0.0%	0	0	0.0%	19,430	31,318	-38.0%
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	0.0%
PETROLEUM PRODUCTS	MGS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	MME	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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	0.0%
PETROLEUM PRODUCTS	R5F	0	-	-	0	-	-	9	-	-	0	-	-	0	-	-	9	-	-
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	0	50	116	-56.9%	0	0	0.0%	0	0	0.0%	235	1,044	-77.5%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	68	564	-87.9%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	0	1,731	1,308	32.3%	0	0	0.0%	0	0	0.0%	11,746	13,889	-15.4%
PETROLEUM PRODUCTS ASIA	MSB	-	0	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	10	20	-50.0%	0	0	0.0%	0	0	0.0%	168	84	100.0%
PETRO OUTRIGHT EURO	0C	0	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	1,367	1,187	15.2%	0	0	0.0%	0	0	0.0%	9,952	9,745	2.1%
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	0	20	30	-33.3%	0	0	0.0%	0	0	0.0%	76	195	-61.0%
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	0	338	353	-4.2%	0	0	0.0%	0	0	0.0%	2,682	4,089	-34.4%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	5	21	-76.2%
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	0.0%
PETRO OUTRIGHT EURO	5L	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	203	214	-5.1%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	15	167	-91.0%
PETRO OUTRIGHT EURO	6L	-	0	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	50	120	-58.3%	0	0	0.0%	0	0	0.0%	644	582	10.7%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	0	44	236	-81.4%	0	0	0.0%	0	0	0.0%	1,125	2,142	-47.5%
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0	0	25	0	0.0%	0	0	0.0%	0	0	0.0%	25	105	-76.2%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	55	-100.0%

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Energy Futures																		
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	137	10	1,270.0%	0	0	0.0%	0	0	0.0%	1,777	3,009	-40.9%
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	0	0	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	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	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%
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	208	665	-68.7%	0	0	0.0%	0	0	0.0%	3,827	4,847	-21.0%
PETRO OUTRIGHT EURO	FBD	-	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	-	-	6	-	-
PETRO OUTRIGHT EURO	GES	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-
PETRO OUTRIGHT EURO	H5G	0	-	-	0	-	60	-	-	0	-	-	0	-	-	120	-	-
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	0	171	-100.0%
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	240	250	-4.0%	0	0	0.0%	0	0	0.0%	2,302	7,969	-71.1%
PETRO OUTRIGHT EURO	MEF	0	-	-	0	-	227	-	-	0	-	-	0	-	-	2,398	-	-
PETRO OUTRIGHT EURO	R53	0	-	-	0	-	6	-	-	0	-	-	0	-	-	54	-	-
PETRO OUTRIGHT EURO	R5M	0	-	-	0	-	71	-	-	0	-	-	0	-	-	514	-	-
PETRO OUTRIGHT EURO	R5O	0	-	-	0	-	5	-	-	0	-	-	0	-	-	136	-	-
PETRO OUTRIGHT EURO	S5M	0	-	-	0	-	126	-	-	0	-	-	0	-	-	230	-	-
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	500	0	0.0%	0	0	0.0%	0	0	0.0%	625	328	90.5%
PETRO OUTRIGHT EURO	T0	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	-	-	15	-	-
PETRO OUTRIGHT EURO	ULB	-	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	980	-100.0%
PETRO OUTRIGHT EURO	X0	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0	230	57	303.5%	0	0	0.0%	0	0	0.0%	426	560	-23.9%
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%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	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	2,425	1,650	47.0%	0	0	0.0%	0	0	0.0%	18,080	14,880	21.5%
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	950	625	52.0%	0	0	0.0%	0	0	0.0%	5,275	3,710	42.2%
PETRO OUTRIGHT NA	MBL	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	68	517	-86.8%	0	0	0.0%	0	0	0.0%	1,316	2,933	-55.1%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	3,269	3,618	-9.6%	0	0	0.0%	0	0	0.0%	18,933	27,560	-31.3%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	295	100	195.0%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	65	0	0.0%	0	0	0.0%	0	0	0.0%	672	55	1,121.8%

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Energy Futures																			
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	-
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	117,180	28,032	318.0%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	5,140	-100.0%	0	0	0.0%	0	0	0.0%	2,560	12,653	-79.8%	
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 WESTH DA 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	0	0	0.0%	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	514	3,830	-86.6%	0	0	0.0%	0	0	0.0%	47,090	43,179	9.1%	
PLASTICS	PGP	0	0	0.0%	0	0	620	90	588.9%	0	0	0.0%	0	0	0.0%	5,180	2,544	103.6%	

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Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 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																			
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	33	326	-89.9%	0	0	0.0%	0	0	0.0%	773	1,859	-58.4%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	15	31	-51.6%	0	0	0.0%	0	0	0.0%	33	355	-90.7%
PREM UNL GAS 10PPM RDAM F	7N	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	80	-75.0%
PREM UNL GAS 10PPM RDAM F	7L	0	0	0.0%	0	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	30	70	-57.1%
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	1,343	510	163.3%	0	0	0.0%	0	0	0.0%	11,074	3,691	200.0%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	30,094	8,600	249.9%	0	0	0.0%	0	0	0.0%	134,764	81,132	66.1%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	4,083	10,131	-59.7%	0	0	0.0%	0	0	0.0%	44,169	39,992	10.4%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	560	960	-41.7%	0	0	0.0%	0	0	0.0%	8,725	9,153	-4.7%
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	821	374	119.5%	0	0	0.0%	0	0	0.0%	7,044	8,167	-13.8%
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	0	0.0%	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	27	-100.0%	0	0	0.0%	0	0	0.0%	0	58	-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	15	55	-72.7%	0	0	0.0%	0	0	0.0%	93	390	-76.2%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	343	323	6.2%	0	0	0.0%	0	0	0.0%	593	1,526	-61.1%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	2,649	7,996	-66.9%	0	0	0.0%	0	0	0.0%	21,903	61,763	-64.5%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	267	812	-67.1%	0	0	0.0%	0	0	0.0%	2,047	6,654	-69.2%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	75	140	-46.4%	0	0	0.0%	0	0	0.0%	435	5,451	-92.0%
SINGAPORE GASOIL	MAF	0	-	-	0	-	-	2,442	-	-	0	-	-	0	-	-	12,689	-	-
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	25	46	-45.7%	0	0	0.0%	0	0	0.0%	329	425	-22.6%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	4,657	4,697	-0.9%	0	0	0.0%	0	0	0.0%	26,397	33,982	-22.3%
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	270	0	0.0%	0	0	0.0%	0	0	0.0%	270	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	257	0	0.0%	0	0	0.0%	0	0	0.0%	1,225	4,199	-70.8%
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	908	2,400	-62.2%	0	0	0.0%	0	2	-100.0%	7,496	29,101	-74.2%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	150	8,381	-98.2%	0	0	0.0%	0	0	0.0%	4,490	101,441	-95.6%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	0	0	0.0%	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	4,000	-100.0%	0	0	0.0%	0	0	0.0%	100	28,845	-99.7%

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Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 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 JET KEROSENE S	KS	0	0	0.0%	0	0	0	425	75	466.7%	0	0	0.0%	0	0	0.0%	4,290	7,065	-39.3%
SINGAPORE JET KERO VS. GAS	Z0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	50	620	-91.9%	0	0	0.0%	0	0	0.0%	1,475	3,183	-53.7%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	0	5,867	11,300	-48.1%	0	0	0.0%	0	2	-100.0%	81,691	101,538	-19.5%
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	95	-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	546	0	0.0%	0	0	0.0%	0	0	0.0%	1,970	548	259.5%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	530	0	0.0%	0	0	0.0%	0	0	0.0%	2,481	240	933.8%
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	6,760	1,650	309.7%	0	0	0.0%	0	0	0.0%	34,981	6,620	428.4%
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	10	-100.0%	0	0	0.0%	0	0	0.0%	20	60	-66.7%
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	150	6,192	-0.98	0	150	-100.0%	0	0	0.0%	3,299	39,226	-91.6%	0	150	-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%
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%

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Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 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																			
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	0	5,070	4,080	24.3%	0	0	0.0%	0	0	0.0%	37,615	35,525	5.9%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	27,797	24,917	11.6%	0	0	0.0%	0	0	0.0%	201,791	220,657	-8.5%
WAHA BASIS	NW	0	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	0.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	550	0	0.0%	0	0	0.0%	0	0	0.0%	1,414	6,650	-78.7%
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	3	-1	36,248	24,684	46.8%	0	0	0.0%	0	6	-100.0%	256,227	236,508	8.3%
WTI CALENDAR	CS	0	0	0.0%	0	0	0	36,849	23,613	56.1%	0	0	0.0%	0	0	0.0%	297,566	228,619	30.2%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	3,750	6,662	-43.7%	0	0	0.0%	0	0	0.0%	34,672	54,919	-36.9%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	0	1,620	-100.0%	0	0	0.0%	0	0	0.0%	4,933	3,570	38.2%
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	0	440	-100.0%	0	0	0.0%	0	0	0.0%	3,030	4,745	-36.1%
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%	0	500	-1	2,540	2,300	10.4%	0	0	0.0%	1,800	2,900	-37.9%	33,390	371,438	-91.0%
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	24,460	73,346	-66.7%	0	0	0.0%	0	0	0.0%	297,279	248,409	19.7%
BRENT OIL LAST DAY	BZO	0	0	0.0%	41,378	114,122	-0.64	33,560	62,600	-46.4%	0	0	0.0%	455,867	406,855	12.0%	248,682	514,072	-51.6%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0	0	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	50	680	-92.6%	0	0	0.0%	0	0	0.0%	210	4,905	-95.7%
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	150	425	-64.7%	0	0	0.0%	0	0	0.0%	660	3,305	-80.0%
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%	4,300	12,200	-0.65	246,625	228,700	7.8%	0	0	0.0%	48,461	107,260	-54.8%	1,603,875	1,495,750	7.2%
CRUDE OIL APO	AO	0	0	0.0%	0	0	0	36,148	13,742	163.0%	0	0	0.0%	3	331	-99.1%	345,186	339,434	1.7%
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%

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Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 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	AH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
CRUDE OIL OUTRIGHTS	DBP	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
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	175	-100.0%	0	0	0.0%	0	0	0.0%	1,150	17,800	-93.5%	
CRUDE OIL PHY	LC	0	0	0.0%	0	0	9,315	1,799	417.8%	0	0	0.0%	40	724	-94.5%	74,563	66,430	12.2%	
CRUDE OIL PHY	LO	0	0	0.0%	2,165,381	2,502,074	-0.13	353,699	539,058	-34.4%	0	0	0.0%	15,997,951	20,632,363	-22.5%	2,814,897	4,603,193	-38.8%
CRUDE OIL PHY	LO1	0	0	0.0%	15,020	16,623	-0.1	200	0	0.0%	0	0	0.0%	111,739	97,073	15.1%	725	75	866.7%
CRUDE OIL PHY	LO2	0	0	0.0%	12,349	15,483	-0.2	100	0	0.0%	0	0	0.0%	107,114	107,091	0.0%	200	250	-20.0%
CRUDE OIL PHY	LO3	0	0	0.0%	12,436	13,568	-0.08	0	0	0.0%	0	0	0.0%	67,455	70,319	-4.1%	400	325	23.1%
CRUDE OIL PHY	LO4	0	0	0.0%	12,559	12,220	0.03	0	0	0.0%	0	0	0.0%	114,517	106,744	7.3%	0	50	-100.0%
CRUDE OIL PHY	LO5	0	0	0.0%	0	0	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	275	-100.0%	
ETHANOL	CE3	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	15,793	3,470	355.1%	0	0	0.0%	0	0	0.0%	68,388	54,505	25.5%	
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	780	2,193	-64.4%	
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	390	10	3,800.0%	0	0	0.0%	2	0	0.0%	1,400	750	86.7%	
HEATING OIL PHY	OH	0	0	0.0%	3,438	2,120	0.62	21,955	26,068	-15.8%	0	0	0.0%	29,810	39,927	-25.3%	173,986	175,782	-1.0%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	4,100	6,477	-36.7%	0	0	0.0%	0	5	-100.0%	46,023	27,243	68.9%	
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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	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%	
MCCLOSKEY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	130	255	-49.0%	
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0	200	30	566.7%	0	0	0.0%	0	0	0.0%	870	1,905	-54.3%	
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%	700	987	-0.29	81,350	17,050	377.1%	0	0	0.0%	3,570	1,141	212.9%	285,755	254,541	12.3%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	1,250	200	525.0%	0	0	0.0%	0	0	0.0%	3,625	1,200	202.1%	
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	34,650	3,150	1,000.0%	0	0	0.0%	0	1	-100.0%	119,000	38,045	212.8%	
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%	1,100	2,550	-56.9%	
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	1,800	1,600	12.5%	0	0	0.0%	0	0	0.0%	35,525	69,250	-48.7%	

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Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 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 OPTION ON CAL	6J	0	0	0.0%	0	0	0	6,260	1,800	247.8%	0	0	0.0%	0	0	0.0%	15,360	21,308	-27.9%
NATURAL GAS PHY	KD	0	0	0.0%	1,236	5,759	-0.79	1,975	4,990	-60.4%	0	0	0.0%	3,246	91,545	-96.5%	13,600	58,035	-76.6%
NATURAL GAS PHY	LN	0	0	0.0%	924,666	670,354	0.38	611,166	510,197	19.8%	0	0	0.0%	5,391,163	7,181,141	-24.9%	4,636,612	4,959,740	-6.5%
NATURAL GAS PHY	ON	0	0	0.0%	127,860	124,033	0.03	1,800	12,476	-85.6%	0	0	0.0%	843,894	1,137,441	-25.8%	28,454	69,899	-59.3%
NATURAL GAS WINTER STRIP	6I	0	-	-	0	-	0	-	-	-	0	-	0	-	-	1,300	-	-	
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	0	960	112	757.1%	0	0	0.0%	0	0	0.0%	3,078	1,072	187.1%
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	45	67	-0.33	417	934	-55.4%	0	0	0.0%	297	410	-27.6%	15,187	17,778	-14.6%
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%	6	0	0	32	475	-93.3%	0	0	0.0%	17	20	-15.0%	4,596	3,621	26.9%
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	1,900	-100.0%	0	0	0.0%	0	0	0.0%	160	2,100	-92.4%
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%	240	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	640	310	106.5%
PJM WES HUB PEAK CAL MTH	JOA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	880	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	0	0.0%	0	0	0	0	92	-100.0%	0	0	0.0%	0	0	0.0%	836	6,414	-87.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	700	-78.6%
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0	0	120	0	0.0%	0	0	0.0%	0	0	0.0%	381	965	-60.5%
RBOB CRACK	RX	0	-	-	0	-	0	-	-	-	0	-	0	-	-	0	-	-	
RBOB PHY	OB	0	0	0.0%	4,235	1,458	1.9	7,365	7,392	-0.4%	0	0	0.0%	26,336	27,175	-3.1%	88,445	56,312	57.1%
RBOB PHY	RF	0	0	0.0%	0	0	0	600	0	0.0%	0	0	0.0%	6	0	0.0%	1,618	125	1,194.4%
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	604	336	79.8%	0	0	0.0%	0	0	0.0%	1,878	1,758	6.8%
SHORT TERM	C15	0	-	-	0	-	0	-	-	-	0	-	0	-	-	0	-	-	
SHORT TERM	U11	0	0	0.0%	0	110	-1	450	100	350.0%	0	0	0.0%	0	111	-100.0%	700	1,125	-37.8%
SHORT TERM	U12	0	0	0.0%	0	0	0	100	250	-60.0%	0	0	0.0%	0	85	-100.0%	800	750	6.7%
SHORT TERM	U13	0	0	0.0%	0	0	0	0	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	0	0.0%	0	0	0.0%	0	13	-100.0%	50	800	-93.8%
SHORT TERM	U15	0	0	0.0%	0	0	0	350	0	0.0%	0	0	0.0%	25	127	-80.3%	1,150	650	76.9%
SHORT TERM	U22	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	1	66	-98.5%	0	1,125	-100.0%

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Energy Options																			
SHORT TERM	U23	0	0	0.0%	0	15	-1	0	0	0.0%	0	0	0.0%	17	95	-82.1%	0	500	-100.0%
SHORT TERM	U24	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	126	-100.0%	250	300	-16.7%
SHORT TERM	U25	0	0	0.0%	0	0	0	0	0	0.0%	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	0	0	0	0	0.0%	0	0	0.0%	0	95	-100.0%	0	1,350	-100.0%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	20	-1	200	550	-63.6%	0	0	0.0%	4	50	-92.0%	600	1,275	-52.9%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	600	925	-35.1%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	80	-100.0%	200	730	-72.6%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	0	225	-100.0%	0	0	0.0%	5	50	-90.0%	400	825	-51.5%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	0	0	0.0%	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	100	0	0.0%	0	0	0.0%	0	0	0.0%	600	1,375	-56.4%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	150	800	-81.3%	0	0	0.0%	0	34	-100.0%	250	1,500	-83.3%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	250	250	0.0%	0	0	0.0%	0	0	0.0%	250	950	-73.7%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	103	-1	100	0	0.0%	0	0	0.0%	0	150	-100.0%	200	550	-63.6%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	13	-1	150	0	0.0%	0	0	0.0%	0	93	-100.0%	150	2,200	-93.2%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	25	22	13.6%	100	1,350	-92.6%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	38	-1	0	0	0.0%	0	0	0.0%	0	98	-100.0%	0	125	-100.0%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	10	-1	0	200	-100.0%	0	0	0.0%	0	10	-100.0%	300	500	-40.0%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	0	0	0	0	0.0%	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	0	0	0	0	0.0%	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	350	0	0.0%	0	0	0.0%	0	25	-100.0%	1,200	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%	1,400	1,250	0.12	28,100	33,815	-16.9%	0	0	0.0%	29,205	136,511	-78.6%	316,875	583,256	-45.7%
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	0	800	-1	20,030	52,750	-62.0%	0	0	0.0%	8,600	14,550	-40.9%	376,695	534,050	-29.5%

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Metals Futures																			
COMEX GOLD	GC	0	0	0.0%	9,212,412	6,989,474	0.32	277,932	241,695	15.0%	0	0	0.0%	44,513,787	49,728,173	-10.5%	1,492,072	1,850,117	-19.4%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	1,946	4,137	-0.53	11,769	6,724	75.0%	0	0	0.0%	26,202	22,910	14.4%	99,136	43,900	125.8%
NYMEX PLATINUM	PL	0	0	0.0%	431,123	386,681	0.11	13,065	6,836	91.1%	0	0	0.0%	3,112,772	3,131,234	-0.6%	118,171	84,478	39.9%
PALLADIUM	PA	0	0	0.0%	76,857	93,629	-0.18	2,795	4,982	-43.9%	0	0	0.0%	724,914	794,777	-8.8%	23,287	34,458	-32.4%
URANIUM	UX	0	0	0.0%	0	21	-1	300	500	-40.0%	0	0	0.0%	395	131	201.5%	8,989	1,833	390.4%
COMEX SILVER	SI	0	0	0.0%	2,042,399	1,546,660	0.32	44,574	35,746	24.7%	0	0	0.0%	12,542,872	14,156,233	-11.4%	320,244	425,104	-24.7%
COMEX E-Mini GOLD	QO	0	0	0.0%	31,114	11,516	1.7	0	0	0.0%	0	0	0.0%	99,382	52,196	90.4%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	4,349	1,123	2.87	0	0	0.0%	0	0	0.0%	26,372	8,566	207.9%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	1,864,597	2,807,297	-0.34	11,060	25,898	-57.3%	0	0	0.0%	14,540,830	20,174,838	-27.9%	123,253	204,429	-39.7%
COMEX MINY COPPER	QC	0	0	0.0%	703	360	0.95	0	0	0.0%	0	0	0.0%	4,612	3,540	30.3%	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	2,065	710	190.8%	0	0	0.0%	55	0	0.0%	11,075	11,510	-3.8%
ALUMINUM	ALA	0	0	0.0%	0	0	0	0	965	-100.0%	0	0	0.0%	0	0	0.0%	240	4,965	-95.2%
ALUMINUM	ALI	0	0	0.0%	350	0	0	0	0	0.0%	0	0	0.0%	350	0	0.0%	0	0	0.0%
ALUMINUM	AUP	0	0	0.0%	211	964	-0.78	6,843	4,237	61.5%	0	0	0.0%	4,091	5,486	-25.4%	37,580	65,828	-42.9%
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	12	-1	3,840	1,578	143.3%	0	0	0.0%	72	17	323.5%	14,782	10,230	44.5%
ALUMINUM	MJP	0	0	0.0%	0	0	0	2,680	520	415.4%	0	0	0.0%	0	76	-100.0%	6,880	8,299	-17.1%
COPPER	HGS	0	0	0.0%	0	0	0	127	0	0.0%	0	0	0.0%	0	0	0.0%	5,871	10,639	-44.8%
E-MICRO GOLD	MGC	0	0	0.0%	608,677	126,651	3.81	0	0	0.0%	0	0	0.0%	2,077,415	906,697	129.1%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	313	9	33.78	355	735	-51.7%	0	0	0.0%	4,062	111	3,559.5%	4,273	11,088	-61.5%
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	38	-1	3,835	4,804	-20.2%	0	0	0.0%	28	117	-76.1%	42,596	27,254	56.3%
LNDN ZINC	ZNC	0	0	0.0%	0	1,538	-1	0	0	0.0%	0	0	0.0%	1,230	2,831	-56.6%	0	0	0.0%
SILVER	SIL	0	0	0.0%	23,306	6,645	2.51	0	0	0.0%	0	0	0.0%	118,812	51,187	132.1%	0	0	0.0%



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Commodity Indicator	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 2018	% CHG	CME ClearPort JUL 2019	CME ClearPort JUL 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%	45,032	24,105	0.87	4,505	11,035	-59.2%	0	0	0.0%	302,252	121,363	149.0%	121,101	50,514	139.7%
COMEX GOLD	OG	0	0	0.0%	1,137,230	748,184	0.52	409,299	178,735	129.0%	0	0	0.0%	6,560,167	5,327,032	23.1%	1,835,957	1,374,966	33.5%
COMEX SILVER	SO	0	0	0.0%	218,369	114,859	0.9	31,391	29,120	7.8%	0	0	0.0%	907,301	908,962	-0.2%	143,111	159,206	-10.1%
COPPER	H1E	0	0	0.0%	24	13	0.85	0	0	0.0%	0	0	0.0%	156	13	1,100.0%	0	0	0.0%
COPPER	H2E	0	0	0.0%	87	47	0.85	0	0	0.0%	0	0	0.0%	405	54	650.0%	0	0	0.0%
COPPER	H3E	0	0	0.0%	10	0	0	0	0	0.0%	0	0	0.0%	89	5	1,680.0%	0	0	0.0%
COPPER	H4E	0	0	0.0%	10	80	-0.88	0	0	0.0%	0	0	0.0%	105	116	-9.5%	0	0	0.0%
COPPER	H5E	0	-	-	0	-	0	-	-	0	-	-	20	-	-	0	-	-	
GOLD	OG1	0	0	0.0%	67,361	15,397	3.37	6,050	0	0.0%	0	0	0.0%	248,146	73,355	238.3%	18,530	1,460	1,169.2%
GOLD	OG2	0	0	0.0%	42,236	12,973	2.26	6,352	0	0.0%	0	0	0.0%	200,294	60,175	232.9%	16,052	3,120	414.5%
GOLD	OG3	0	0	0.0%	40,019	14,126	1.83	2,250	0	0.0%	0	0	0.0%	156,244	71,310	119.1%	7,804	3,750	108.1%
GOLD	OG4	0	0	0.0%	16,800	7,159	1.35	400	0	0.0%	0	0	0.0%	113,231	41,416	173.4%	5,000	1,250	300.0%
GOLD	OG5	0	0	0.0%	0	0	0	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	300	0	0.0%	0	0	0.0%	0	0	0.0%	900	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	0	0.0%	0	0	0.0%	0	0	0.0%	3,600	1,280	181.3%
NYMEX PLATINUM	PO	0	0	0.0%	919	3,646	-0.75	230	3,110	-92.6%	0	0	0.0%	9,286	12,565	-26.1%	15,781	15,801	-0.1%
PALLADIUM	PAO	0	0	0.0%	279	1,080	-0.74	190	975	-80.5%	0	0	0.0%	4,430	11,390	-61.1%	4,374	9,832	-55.5%
SILVER	SO1	0	0	0.0%	2,428	1,139	1.13	0	0	0.0%	0	0	0.0%	9,887	2,345	321.6%	725	0	0.0%
SILVER	SO2	0	0	0.0%	1,098	581	0.89	850	0	0.0%	0	0	0.0%	6,601	1,793	268.2%	1,050	0	0.0%
SILVER	SO3	0	0	0.0%	860	1,507	-0.43	0	0	0.0%	0	0	0.0%	7,193	3,274	119.7%	100	0	0.0%
SILVER	SO4	0	0	0.0%	459	274	0.68	0	0	0.0%	0	0	0.0%	3,684	1,250	194.7%	0	0	0.0%
SILVER	SO5	0	0	0.0%	0	0	0	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%	14	0	0.0%	0	0	0.0%	0	0	0.0%	47	65	-27.7%	0	0	0.0%
Energy Futures		0	0	0.0%	40,957,870	38,726,956	5.8%	2,173,130	2,108,899	3.0%	0	0	0.0%	294,570,223	317,963,301	-7.4%	18,000,459	19,429,270	-7.4%
Metals Futures		0	0	0.0%	14,298,357	11,976,755	19.4%	381,240	335,930	13.5%	0	0	0.0%	77,798,253	89,039,281	-12.6%	2,308,471	2,794,312	-17.4%
TOTAL FUTURES		0	0	0.0%	55,256,241	50,703,711	9.0%	2,554,370	2,444,829	4.5%	0	0	0.0%	372,368,523	407,002,647	-8.5%	20,308,930	22,223,582	-8.6%

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TOTAL OPTIONS GROUP																		
Energy Options	0	0	0.0%	3,327,009	3,493,927	-4.8%	1,550,384	1,611,084	-3.8%	0	0	0.0%	23,279,084	30,197,677	-22.9%	11,680,758	14,648,833	-20.3%
Metals Options	0	0	0.0%	1,573,221	945,170	66.4%	461,817	222,975	107.1%	0	0	0.0%	8,558,071	6,652,974	28.6%	2,182,695	1,621,379	34.6%
TOTAL OPTIONS	0	0	0.0%	4,900,230	4,439,097	10.4%	2,012,201	1,834,059	9.7%	0	0	0.0%	31,837,155	36,850,651	-13.6%	13,863,453	16,270,212	-14.8%
TOTAL COMBINED																		
Ag Products	0	0	0.0%	14	0	0.0%	0	0	0.0%	0	0	0.0%	47	65	-27.7%	0	0	0.0%
Energy	0	0	0.0%	44,284,879	42,220,883	4.9%	3,723,514	3,719,983	0.1%	0	0	0.0%	317,849,307	348,160,978	-8.7%	29,681,217	34,078,103	-12.9%
Metals	0	0	0.0%	15,871,578	12,921,925	22.8%	843,057	558,905	50.8%	0	0	0.0%	86,356,324	95,692,255	-9.8%	4,491,166	4,415,691	1.7%
GRAND TOTAL	0	0	0.0%	60,156,471	55,142,808	9.1%	4,566,571	4,278,888	6.7%	0	0	0.0%	404,205,678	443,853,298	-8.9%	34,172,383	38,493,794	-11.2%

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