

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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%	2	7	-0.71	0	0.0%	0	0	0.0%	38	20	90.0%	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%	22,774,634	24,007,564	-0.05	523,759	499,340	4.9%	0	0	0.0%	248,153,654	251,528,141	-1.3%	4,918,312	4,605,612	6.8%
CRUDE OIL	WS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	89	-100.0%	16,694	15,550	7.4%	
MINY WTI CRUDE OIL	QM	0	0	0.0%	457,072	469,979	-0.03	0	0	0.0%	0	0	0.0%	4,802,490	3,459,217	38.8%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	2,260,402	2,222,370	0.02	35,988	47,417	-24.1%	0	0	0.0%	21,620,249	17,513,713	23.4%	474,019	380,884	24.5%
HEATING OIL PHY	HO	0	0	0.0%	4,695,641	3,772,259	0.24	401,282	193,854	107.0%	0	0	0.0%	33,226,763	36,656,073	-9.4%	2,483,559	1,866,030	33.1%
HTG OIL	BH	0	0	0.0%	0	0	0	0	12	-100.0%	0	0	0.0%	0	0	0.0%	96	96	0.0%
MINY HTG OIL	QH	0	0	0.0%	3	4	-0.25	0	0	0.0%	0	0	0.0%	32	40	-20.0%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	3,650,096	4,415,113	-0.17	182,381	211,189	-13.6%	0	0	0.0%	40,369,350	40,089,072	0.7%	2,458,934	2,166,374	13.5%
MINY RBOB GAS	QU	0	0	0.0%	3	4	-0.25	0	0	0.0%	0	0	0.0%	63	37	70.3%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	35,749	44,545	-0.2	78,472	62,050	26.5%	0	0	0.0%	391,438	484,015	-19.1%	757,191	642,528	17.8%
LTD NAT GAS	HH	0	0	0.0%	148,434	251,258	-0.41	123,283	209,945	-41.3%	0	0	0.0%	1,553,974	2,061,360	-24.6%	1,467,107	1,487,223	-1.4%
MINY NATURAL GAS	QG	0	0	0.0%	56,835	47,272	0.2	0	0	0.0%	0	0	0.0%	327,432	274,838	19.1%	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%	10,665,091	11,979,420	-0.11	306,060	284,471	7.6%	0	0	0.0%	81,489,571	89,398,685	-8.8%	2,607,107	2,786,773	-6.4%
RBOB GAS	RT	0	0	0.0%	0	0	0	12	12	0.0%	0	0	0.0%	0	0	0.0%	84	14,386	-99.4%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	0	40	-100.0%	0	0	0.0%	0	0	0.0%	97	612	-84.2%
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	6,881	23,356	-70.5%	0	0	0.0%	0	30	-100.0%	83,394	222,765	-62.6%

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Energy Futures																			
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	5,646	7,829	-27.9%	0	0	0.0%	0	0	0.0%	62,265	59,924	3.9%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	2,592	3,203	-19.1%	0	0	0.0%	0	0	0.0%	29,952	28,419	5.4%
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	197	0	0.0%	0	0	0.0%	0	0	0.0%	1,960	285	587.7%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	14,473	5,313	172.4%	0	0	0.0%	0	0	0.0%	74,157	36,112	105.4%
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	3,600	-100.0%	0	0	0.0%	0	0	0.0%	7,000	19,864	-64.8%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	1,481	127	1,066.1%
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	75	-1	85,919	77,721	10.5%	0	0	0.0%	509	2,005	-74.6%	1,031,267	965,386	6.8%
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	141	325	-56.6%	0	0	0.0%	0	0	0.0%	5,365	4,075	31.7%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,370	950	44.2%
CIG BASIS	CI	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	0	221	-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	200	846	-76.4%	0	0	0.0%	0	0	0.0%	4,872	11,838	-58.8%
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	1,505	-78.4%
COAL SWAP	ACM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	510	-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	5	-1	70	109	-35.8%	0	0	0.0%	0	5	-100.0%	2,362	1,733	36.3%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	450	90	400.0%	0	0	0.0%	0	0	0.0%	4,742	2,761	71.7%

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Energy Futures																		
CONWAY PROPANE 5 DECIMAL	8K	0	0.0%	0	0	0	12,636	16,869	-25.1%	0	0	0.0%	144	32	350.0%	147,866	161,242	-8.3%
CRUDE OIL	LPS	0	0.0%	0	0	0	3,850	3,450	11.6%	0	0	0.0%	0	0	0.0%	29,810	45,385	-34.3%
CRUDE OIL OUTRIGHTS	42	0	0.0%	0	0	0	260	223	16.6%	0	0	0.0%	0	0	0.0%	3,965	2,485	59.6%
CRUDE OIL OUTRIGHTS	CC5	0	0.0%	0	0	0	510	210	142.9%	0	0	0.0%	0	0	0.0%	3,821	300	1,173.7%
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	46	0	0.0%	0	0	0.0%	50	0	0.0%	3,188	2,285	39.5%
CRUDE OIL OUTRIGHTS	DBL	0	0.0%	0	0	0	330	0	0.0%	0	0	0.0%	0	0	0.0%	730	99	637.4%
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	5	0	0.0%	0	0	0.0%	0	0	0.0%	281	105	167.6%
CRUDE OIL OUTRIGHTS	HTT	0	0.0%	0	0	0	62,036	53,916	15.1%	0	0	0.0%	0	0	0.0%	575,900	491,448	17.2%
CRUDE OIL OUTRIGHTS	LSW	0	0.0%	0	0	0	15	15	0.0%	0	0	0.0%	0	0	0.0%	3,183	335	850.1%
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	3,278	2,495	31.4%	0	0	0.0%	0	0	0.0%	39,440	62,856	-37.3%
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	-	-	6,734	-	99	-	-	0	-	-	120,321	-	-	48,542	-	-
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	-	180	-	-	0	-	-	0	-	-	900	-	-
CRUDE OIL SPRDS	WTT	0	0.0%	0	0	0	20,109	8,438	138.3%	0	0	0.0%	0	0	0.0%	215,724	404,560	-46.7%
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	150	-100.0%	0	0	0.0%	0	0	0.0%	1,000	3,360	-70.2%
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	0	47,370	-100.0%	0	0	0.0%	0	0	0.0%	17,815	84,502	-78.9%
DUTCH TTF NATURAL GAS CAL	TTF	0	0	0.0%	21,292	242	86.98	0	0.0%	0	0	0.0%	101,634	14,386	606.5%	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	0	0.0%	0	0	0.0%	0	0	0.0%	0	245	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	187	-89.3%
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	29	308	-90.6%	0	0	0.0%	0	0	0.0%	3,386	2,857	18.5%
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 OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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	-	10	-	-	0	-	-	0	-	-	50	-	-	
ETHANOL	Z1B	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
ETHANOL SWAP	MT2	0	0	0.0%	0	0	120	70	71.4%	0	0	0.0%	0	0	0.0%	890	400	122.5%	
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	6,203	4,996	24.2%	0	0	0.0%	0	0	0.0%	35,472	31,351	13.1%	
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	33	-90.9%	
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	13	162	-92.0%	0	0	0.0%	0	0	0.0%	471	5,439	-91.3%	
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	25	6	316.7%	0	0	0.0%	0	0	0.0%	172	840	-79.5%	
EURO-DENOMINATED PETRO P	NCP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	640	-100.0%	
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	118	60	96.7%	0	0	0.0%	0	0	0.0%	644	426	51.2%	
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	159	-100.0%	0	0	0.0%	0	0	0.0%	385	987	-61.0%	
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	620	3,333	-81.4%	0	0	0.0%	0	0	0.0%	9,458	73,890	-87.2%	
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	140	1,354	-0.9	0	0.0%	0	0	0.0%	1,144	5,675	-79.8%	0	0	0.0%	
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	35	447	-92.2%	0	0	0.0%	0	0	0.0%	1,433	2,855	-49.8%	
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	1,373	15,958	-91.4%	0	0	0.0%	0	0	0.0%	37,464	94,868	-60.5%	
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	0	1,110	-100.0%	0	0	0.0%	0	0	0.0%	1,633	2,200	-25.8%	
EUROPE JET KERO NWE CALS	UJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	8	39	-79.5%	
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	268	5,204	-94.9%	0	0	0.0%	0	0	0.0%	16,510	35,492	-53.5%	
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	1,820	2,914	-37.5%	0	0	0.0%	0	0	0.0%	19,021	18,267	4.1%	
FLORIDA GAS ZONE3 BASIS S	FP	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
FREIGHT MARKETS	ACB	0	-	-	0	-	600	-	-	0	-	-	0	-	-	1,020	-	-	
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	82	565	-85.5%	0	0	0.0%	0	0	0.0%	1,491	1,848	-19.3%	
FREIGHT MARKETS	FRC	0	0	0.0%	0	0	340	0	0.0%	0	0	0.0%	0	0	0.0%	1,652	600	175.3%	
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	1,145	960	19.3%	0	0	0.0%	0	0	0.0%	5,700	3,458	64.8%	
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	140	30	366.7%	
FREIGHT MARKETS	TD8	0	0	0.0%	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	60	150	-60.0%	
FREIGHT MARKETS	USC	0	-	-	0	-	10	-	-	0	-	-	0	-	-	280	-	-	
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	1,700	2,815	-39.6%	0	0	0.0%	0	0	0.0%	17,112	36,060	-52.5%	
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%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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 CM	1W	0	0	0.0%	0	0	0	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	120	-100.0%	
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	90	96	-6.3%	0	0	0.0%	0	0	0.0%	1,529	2,114	-27.7%	
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	1,355	7,156	-81.1%	0	0	0.0%	0	0	0.0%	48,177	76,264	-36.8%	
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	5,286	21,056	-74.9%	0	0	0.0%	0	0	0.0%	77,674	185,372	-58.1%	
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	10	110.0%	
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	1	15	-93.3%	0	0	0.0%	0	0	0.0%	139	1,470	-90.5%	
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	18	0	0.0%	0	0	0.0%	0	0	0.0%	153	54	183.3%	
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	1,188	100	1,088.0%	0	0	0.0%	0	0	0.0%	6,854	37,502	-81.7%	
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	1,126	312	260.9%	0	0	0.0%	0	0	0.0%	3,850	2,024	90.2%	
GERMAN POWER BASELOAD C	DEB	0	0	0.0%	1,440	0	0	0	0.0%	0	0	0.0%	23,142	3,102	646.0%	0	0	0.0%	
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	205	-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%	300	425	-29.4%	
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	2,851	3,515	-18.9%	0	0	0.0%	0	0	0.0%	35,449	35,433	0.0%	
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	2,845	3,485	-18.4%	0	0	0.0%	0	0	0.0%	26,127	21,607	20.9%	
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	694	1,162	-40.3%	0	0	0.0%	0	0	0.0%	8,524	12,899	-33.9%	
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	267	1,195	-77.7%	
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	13,552	22,133	-38.8%	0	0	0.0%	0	0	0.0%	203,503	364,631	-44.2%	
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	16,669	42,559	-60.8%	0	0	0.0%	2	0	0.0%	225,895	547,278	-58.7%	
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	795	682	16.6%	0	0	0.0%	0	0	0.0%	2,438	16,476	-85.2%	
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	92	431	-78.7%	0	0	0.0%	0	0	0.0%	3,720	3,319	12.1%	
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	360	1,415	-74.6%	
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	565	243	132.5%	
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	600	16,658	-96.4%	0	0	0.0%	0	0	0.0%	16,210	32,088	-49.5%	
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	522	-1	0	0.0%	0	0	0.0%	0	26,818	-100.0%	0	0	0.0%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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																			
HENRY HUB FINANCIAL LAST	TTE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	885	-100.0%	0	0	0.0%	
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	600	16,658	-96.4%	0	0	0.0%	0	0	0.0%	16,210	32,088	-49.5%	
HENRY HUB SWAP	NN	0	0	0.0%	0	3,375	49,341	161,044	-69.4%	0	0	0.0%	122	59,584	-99.8%	971,036	1,622,167	-40.1%	
HOUSTON SHIP CHANNEL BASI	NH	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%	
ICE BRENT DUBAI SWAP	DB	0	0	0.0%	0	0	5,784	9,840	-41.2%	0	0	0.0%	0	0	0.0%	55,211	100,418	-45.0%	
ICE GASOIL BALMO SWAP	U9	-	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	1,248	-100.0%	0	0	0.0%	0	0	0.0%	0	1,248	-100.0%	
INDIANA MISO	FAD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
INDIANA MISO	FTD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
INDIANA MISO	FTM	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
INDIANA MISO	PDD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
INDIANA MISO	PTD	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%	
INDONESIAN COAL ICI4	ICI	0	0	0.0%	0	0	65	265	-75.5%	0	0	0.0%	0	0	0.0%	3,380	1,515	123.1%	
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%	
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%	
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	40	-100.0%	0	0	0.0%	0	0	0.0%	196	1,729	-88.7%	
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	245	2,863	-91.4%	0	0	0.0%	0	0	0.0%	9,868	21,110	-53.3%	
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	82	-100.0%	0	0	0.0%	0	0	0.0%	333	608	-45.2%	
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	5	-100.0%	
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	30	0	0.0%	0	0	0.0%	0	0	0.0%	262	642	-59.2%	
JET FUEL BRG FOB RDM VS I	9Q	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	132	0	0.0%	
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	4,395	7,120	-38.3%	0	0	0.0%	0	0	0.0%	41,573	60,197	-30.9%	
JKM LNG Futures	JKM	0	0	0.0%	0	0	4,010	2,330	72.1%	0	0	0.0%	0	0	0.0%	17,376	12,344	40.8%	
LA CARB DIESEL (OPIS)	LX	-	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	25	240	-89.6%	0	0	0.0%	0	0	0.0%	400	2,970	-86.5%	
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	850	-100.0%	0	0	0.0%	0	0	0.0%	2,875	5,100	-43.6%	
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%	
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	1,375	1,886	-27.1%	0	0	0.0%	0	0	0.0%	12,609	20,479	-38.4%	
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	607	-100.0%	
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	1,571	5,167	-69.6%	0	0	0.0%	0	0	0.0%	18,745	56,629	-66.9%	
LOS ANGELES CARB GASOLIN	MH	0	-	-	0	-	0	-	-	0	-	-	0	-	-	10	-	-	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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 SWAP	YX	0	0	0.0%	0	0	0	125	1,300	-90.4%	0	0	0.0%	0	0	0.0%	14,555	21,285	-31.6%
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	200	-1	24,632	15,610	57.8%	0	0	0.0%	480	575	-16.5%	185,433	206,726	-10.3%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,319	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	0	0	0.0%	748	12	61.33	36,749	19,970	84.0%	0	0	0.0%	5,745	731	685.9%	300,758	236,931	26.9%
MCCLOSKEY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	2,858	1,485	92.5%	0	0	0.0%	0	0	0.0%	23,418	30,211	-22.5%
MGF FUT	MGF	0	0	0.0%	0	0	0	10	40	-75.0%	0	0	0.0%	0	0	0.0%	10	258	-96.1%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	10	60	-83.3%	0	0	0.0%	0	0	0.0%	500	693	-27.8%
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	20	247	-91.9%	0	0	0.0%	0	0	0.0%	1,995	3,436	-41.9%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	90	0	0.0%	0	0	0.0%	0	0	0.0%	3,910	3,383	15.6%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	972	3,202	-69.6%	0	0	0.0%	0	0	0.0%	19,322	18,751	3.0%
MJC FUT	MJC	0	0	0.0%	0	0	0	0	85	-100.0%	0	0	0.0%	0	0	0.0%	150	1,410	-89.4%
MNC FUT	MNC	0	0	0.0%	0	0	0	1,640	5,643	-70.9%	0	0	0.0%	0	0	0.0%	34,576	40,764	-15.2%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	15,481	16,362	-5.4%	0	0	0.0%	0	0	0.0%	161,547	164,365	-1.7%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	30	125	-76.0%	0	0	0.0%	0	0	0.0%	1,394	1,610	-13.4%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	0	25	-1	143,821	168,886	-14.8%	0	0	0.0%	112	209	-46.4%	1,452,132	1,245,701	16.6%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	1,915	1,597	19.9%	0	0	0.0%	0	0	0.0%	28,786	25,148	14.5%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	0	10,315	11,201	-7.9%	0	0	0.0%	0	0	0.0%	84,220	84,089	0.2%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	747	235	217.9%	0	0	0.0%	0	0	0.0%	6,471	3,586	80.5%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	48,111	57,887	-16.9%	0	0	0.0%	0	0	0.0%	472,425	367,022	28.7%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	1,395	1,547	-9.8%	0	0	0.0%	0	0	0.0%	12,989	11,069	17.3%
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	20,133	30,745	-34.5%	0	0	0.0%	0	0	0.0%	295,715	335,558	-11.9%
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	31,565	-100.0%	0	0	0.0%	0	0	0.0%	71,600	136,440	-47.5%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0	0	220	1,695	-87.0%	0	0	0.0%	0	0	0.0%	220	12,711	-98.3%
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%

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Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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 RHD ISLD 5MW D AH	U4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEPOOL RHODE IL 5MW D AH	U5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEPOOL 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	1,095	525.7%	0	0	0.0%	0	0	0.0%	7,968	11,691	-31.8%	
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	-100.0%	0	0	0.0%	0	0	0.0%	1,760	3,448	-49.0%	
NGPL TEX/OK	PD	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	2,696	44,636	-94.0%	
N ILLINOIS HUB DAILY	UD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
N ILLINOIS HUB MTHLY	UM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NO 2 UP-DOWN SPREAD CALE	UT	0	0	0.0%	0	0	0	100	0.0%	0	0	0.0%	0	0	0.0%	925	2,983	-69.0%	
NORTHEN NATURAL GAS DEM	PE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NORTHEN 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	59	-100.0%	
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	385	133.3%	0	0	0.0%	0	0	0.0%	4,682	13,398	-65.1%	
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	1,795	-56.8%	
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%	25	50	-50.0%	
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	0	0	0	3,549	-40.5%	0	0	0.0%	19	67	-71.6%	22,283	22,993	-3.1%	
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	2,845	-86.3%	
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	710	7.7%	0	0	0.0%	0	0	0.0%	7,063	10,792	-34.6%	
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	900	172.7%	0	0	0.0%	0	0	0.0%	5,025	8,042	-37.5%	
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%	620	646	-4.0%	
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	735	-100.0%	
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	60	335	-82.1%	
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%	

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Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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																		
NYISO J	KJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0	0	44,264	-100.0%	0	0	0.0%	0	0	0.0%	0	44,264	-100.0%
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0	0	1,890	-100.0%	0	0	0.0%	0	0	0.0%	0	1,890	-100.0%
NYISO ZONE C 5MW D AH O P	A3	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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	13,980	-100.0%	0	0	0.0%	0	0	0.0%	101,424	614,834	-83.5%
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	220	730	-69.9%	0	0	0.0%	0	0	0.0%	8,394	20,524	-59.1%
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	550	0	0.0%	0	0	0.0%	0	0	0.0%	2,000	0	0.0%
NY ULSD (ARGUS) VS HEATING	7Y	0	0	0.0%	0	0	1,175	0	0.0%	0	0	0.0%	0	0	0.0%	2,770	213	1,200.5%
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,860	2,704	-31.2%
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	OFM	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	25	10	150.0%
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	200	324	-38.3%	0	0	0.0%	0	0	0.0%	1,723	1,870	-7.9%
PETROCHEMICALS	32	0	0	0.0%	0	0	119	109	9.2%	0	0	0.0%	0	0	0.0%	1,049	1,583	-33.7%
PETROCHEMICALS	3NA	0	0	0.0%	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	49	6	716.7%
PETROCHEMICALS	51	0	0	0.0%	0	0	2	0	0.0%	0	0	0.0%	0	0	0.0%	79	23	243.5%
PETROCHEMICALS	8I	0	0	0.0%	0	0	804	473	70.0%	0	0	0.0%	0	0	0.0%	6,618	6,760	-2.1%
PETROCHEMICALS	91	0	0	0.0%	0	0	523	649	-19.4%	0	0	0.0%	0	0	0.0%	4,977	4,321	15.2%
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	0	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	160	290	-44.8%	0	0	0.0%	0	0	0.0%	3,661	2,042	79.3%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	208	170	22.4%	0	0	0.0%	0	0	0.0%	2,242	1,711	31.0%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	260	900	-71.1%	0	0	0.0%	0	0	0.0%	3,265	8,530	-61.7%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	85	761	-88.8%	0	0	0.0%	0	0	0.0%	6,140	18,378	-66.6%

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 OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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																			
PETROCHEMICALS	MPS	0	0	0.0%	0	0	0	133	140	-5.0%	0	0	0.0%	0	0	0.0%	2,200	1,150	91.3%
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	0.0%
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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	0	0	0.0%	0	0	0.0%	0	0	0.0%	332	509	-34.8%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	6,930	5,325	30.1%	0	0	0.0%	0	0	0.0%	68,816	22,890	200.6%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	1,465	3,485	-58.0%	0	0	0.0%	0	0	0.0%	24,020	29,312	-18.1%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	100	150	-33.3%	0	0	0.0%	0	0	0.0%	3,770	6,775	-44.4%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	281	975	-71.2%	0	0	0.0%	0	0	0.0%	5,999	12,285	-51.2%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	0	0	0.0%	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	818	974	-16.0%	0	0	0.0%	0	0	0.0%	12,236	14,061	-13.0%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	163	84.0%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	3,844	2,446	57.2%	0	0	0.0%	0	0	0.0%	31,828	115,815	-72.5%
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	40	150.0%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	1,074	72	1,391.7%	0	0	0.0%	0	0	0.0%	17,731	8,669	104.5%
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	0	0.0%	0	0	0.0%	0	0	0.0%	0	4	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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%	75	0	0.0%
PETRO CRCKS & SPRDS NA	NYH	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	0	0	0.0%	0	0	0	2,523	5,535	-54.4%	0	0	0.0%	0	0	0.0%	69,624	54,295	28.2%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	13,555	16,287	-16.8%	0	0	0.0%	0	0	0.0%	134,381	160,130	-16.1%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	40	0	0.0%	0	0	0.0%	0	0	0.0%	1,095	321	241.1%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	475	1,258	-62.2%	0	0	0.0%	0	0	0.0%	10,558	18,091	-41.6%
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	0	45	-100.0%	0	0	0.0%	0	0	0.0%	155	3,414	-95.5%
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	50	1,371	-96.4%	0	0	0.0%	0	0	0.0%	5,126	16,736	-69.4%
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	9	-100.0%	0	0	0.0%	0	0	0.0%	23	222	-89.6%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	405	1,685	-76.0%	0	0	0.0%	0	0	0.0%	5,605	9,793	-42.8%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	976	1,392	-29.9%	0	0	0.0%	0	0	0.0%	6,606	19,994	-67.0%
PETRO CRK&SPRD EURO	FBT	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	60	-	-

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Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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	FVB	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	10	0	0.0%	0	0	0.0%	0	0	0.0%	527	680	-22.5%	
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	40	0	0.0%	0	0	0.0%	0	0	0.0%	160	110	45.5%	
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	20	0	0.0%	0	0	0.0%	0	0	0.0%	130	163	-20.2%	
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	58	182	-68.1%	
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	36	3,101	-98.8%	0	0	0.0%	0	0	0.0%	3,436	18,439	-81.4%	
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	56	125	-55.2%	
PETROLEUM PRODUCTS	1NM	0	-	-	0	-	30	-	-	0	-	-	0	-	-	768	-	-	
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	1,575	8,695	-81.9%	0	0	0.0%	0	0	0.0%	22,105	51,219	-56.8%	
PETROLEUM PRODUCTS	JCC	0	-	-	0	-	0	-	-	0	-	-	0	-	-	720	-	-	
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	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	NCC	0	-	-	0	-	0	-	-	0	-	-	0	-	-	10	-	-	
PETROLEUM PRODUCTS	R5F	0	-	-	0	-	4	-	-	0	-	-	0	-	-	19	-	-	
PETROLEUM PRODUCTS	S53	0	-	-	0	-	5	-	-	0	-	-	0	-	-	56	-	-	
PETROLEUM PRODUCTS	UP5	0	-	-	0	-	18	-	-	0	-	-	0	-	-	84	-	-	
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	125	0	0.0%	0	0	0.0%	0	0	0.0%	515	1,044	-50.7%	
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	20	60	-66.7%	0	0	0.0%	0	0	0.0%	148	714	-79.3%	
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	400	1,851	-78.4%	0	0	0.0%	0	0	0.0%	13,781	19,035	-27.6%	
PETROLEUM PRODUCTS ASIA	MSB	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	0B	0	0	0.0%	0	0	160	0	0.0%	0	0	0.0%	0	0	0.0%	451	84	436.9%	
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	45	23	95.7%	
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	766	1,212	-36.8%	0	0	0.0%	0	0	0.0%	13,408	13,101	2.3%	
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	136	238	-42.9%	
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	114	220	-48.2%	0	0	0.0%	0	0	0.0%	3,498	5,131	-31.8%	
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	8	39	-79.5%	
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	0	0.0%	0	0	0.0%	0	0	0.0%	228	224	1.8%	
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	30	5	500.0%	0	0	0.0%	0	0	0.0%	107	177	-39.5%	
PETRO OUTRIGHT EURO	6L	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	

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Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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 OUTRIGHT EURO	7I	0	0.0%	0	0	0	220	262	-16.0%	0	0	0.0%	0	0	0.0%	939	1,161	-19.1%	
PETRO OUTRIGHT EURO	7R	0	0.0%	0	0	0	39	159	-75.5%	0	0	0.0%	0	0	0.0%	1,276	2,933	-56.5%	
PETRO OUTRIGHT EURO	88	0	0.0%	0	0	0	6	0	0.0%	0	0	0.0%	0	0	0.0%	31	105	-70.5%	
PETRO OUTRIGHT EURO	CBB	0	0.0%	0	0	0	35	0	0.0%	0	0	0.0%	0	0	0.0%	50	55	-9.1%	
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	125	190	-34.2%	0	0	0.0%	0	0	0.0%	2,125	3,326	-36.1%	
PETRO OUTRIGHT EURO	EFF	0	0.0%	0	0	0	0	48	-100.0%	0	0	0.0%	0	0	0.0%	172	164	4.9%	
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%	163	145	12.4%	
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	178	893	-80.1%	0	0	0.0%	0	0	0.0%	4,206	7,143	-41.1%	
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	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6	5	20.0%	
PETRO OUTRIGHT EURO	GES	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%	
PETRO OUTRIGHT EURO	H5G	0	-	0	-	0	75	-	-	0	-	-	0	-	-	339	-	-	
PETRO OUTRIGHT EURO	M1B	0	-	0	-	0	487	-	-	0	-	-	0	-	-	945	-	-	
PETRO OUTRIGHT EURO	M35	0	-	0	-	0	5	-	-	0	-	-	0	-	-	24	-	-	
PETRO OUTRIGHT EURO	MBB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	271	-100.0%	
PETRO OUTRIGHT EURO	MBN	0	0.0%	0	0	0	159	180	-11.7%	0	0	0.0%	0	0	0.0%	3,221	8,967	-64.1%	
PETRO OUTRIGHT EURO	MEF	0	0.0%	0	0	0	143	716	-80.0%	0	0	0.0%	0	0	0.0%	3,282	1,139	188.1%	
PETRO OUTRIGHT EURO	R53	0	-	0	-	0	23	-	-	0	-	-	0	-	-	107	-	-	
PETRO OUTRIGHT EURO	R5M	0	-	0	-	0	321	-	-	0	-	-	0	-	-	1,383	-	-	
PETRO OUTRIGHT EURO	R5O	0	-	0	-	0	970	-	-	0	-	-	0	-	-	2,155	-	-	
PETRO OUTRIGHT EURO	S5F	0	-	0	-	0	68	-	-	0	-	-	0	-	-	109	-	-	
PETRO OUTRIGHT EURO	S5M	0	-	0	-	0	458	-	-	0	-	-	0	-	-	1,269	-	-	
PETRO OUTRIGHT EURO	S5O	0	-	0	-	0	235	-	-	0	-	-	0	-	-	319	-	-	
PETRO OUTRIGHT EURO	SMU	0	0.0%	0	0	0	125	0	0.0%	0	0	0.0%	0	0	0.0%	850	553	53.7%	
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	-	-	0	-	-	15	-	-	
PETRO OUTRIGHT EURO	TMB	0	-	0	-	0	0	-	-	0	-	-	0	-	-	50	-	-	
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	116	-100.0%	
PETRO OUTRIGHT NA	FCB	0	0.0%	0	0	0	0	64	-100.0%	0	0	0.0%	0	0	0.0%	426	808	-47.3%	

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Energy Futures																		
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	8	-100.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	240	69	247.8%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	0	2,825	-33.8%	0	0	0.0%	0	0	0.0%	23,955	31,425	-23.8%
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	0	548	-73.8%	0	0	0.0%	0	0	0.0%	7,323	6,650	10.1%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	70	0.0%	0	0	0.0%	0	0	0.0%	274	40	585.0%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	225	-43.9%	0	0	0.0%	0	0	0.0%	1,679	4,379	-61.7%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	1,431	-56.6%	0	0	0.0%	0	0	0.0%	22,488	36,006	-37.5%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	43	0.0%	0	0	0.0%	0	0	0.0%	338	100	238.0%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	24	-61.9%	0	0	0.0%	0	0	0.0%	819	193	324.4%
PETRO OUTRIGHT NA	NYT	-	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	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
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%	117,180	41,397	183.1%
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%	2,560	13,073	-80.4%
PJM AECO DA OFF-PEAK	X1	-	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%
PJM APS ZONE DA OFF-PEAK	W4	-	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%
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%
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%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	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%
PJM DAILY	JD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	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%
PJM JCPL DA OFF-PEAK	F2	-	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%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	3,845	6,380	-39.7%
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%	70,000	5,925	1,081.4%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0	0	770	-100.0%	0	0	0.0%	0	0	0.0%	0	770	-100.0%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	0	42	-100.0%	0	0	0.0%	0	0	0.0%	0	64	-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%
PJM PECO ZONE5MW PEAK CA	4N	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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																			
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	23,400	-100.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,275	-100.0%
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	101,810	-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	5,525	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	0	0	39,200	-100.0%	0	0	0.0%	0	0	0.0%	47,100	349,120	-86.5%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	0	4,355	2,555	70.5%	0	0	0.0%	0	0	0.0%	53,631	59,191	-9.4%
PLASTICS	PGP	0	0	0.0%	0	0	0	802	1,159	-30.8%	0	0	0.0%	0	0	0.0%	7,212	4,314	67.2%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	0	79	-100.0%	0	0	0.0%	0	0	0.0%	837	2,392	-65.0%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	139	438	-68.3%
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	0	0.0%	0	0	0.0%	0	0	0.0%	35	326	-89.3%
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	1,871	170	1,000.6%	0	0	0.0%	0	0	0.0%	14,672	5,189	182.8%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	24,330	17,773	36.9%	0	0	0.0%	0	0	0.0%	190,210	126,794	50.0%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	4,190	7,181	-41.7%	0	0	0.0%	0	0	0.0%	57,194	58,539	-2.3%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	1,360	60	2,166.7%	0	0	0.0%	0	0	0.0%	11,500	9,528	20.7%
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	198	530	-62.6%	0	0	0.0%	0	0	0.0%	8,818	10,782	-18.2%
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	75	0	0.0%	0	0	0.0%	0	0	0.0%	150	1,975	-92.4%
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	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	21	30	-30.0%	0	0	0.0%	0	0	0.0%	230	473	-51.4%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	17	261	-93.5%	0	0	0.0%	0	0	0.0%	816	2,201	-62.9%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	1,683	6,031	-72.1%	0	0	0.0%	0	0	0.0%	27,928	84,193	-66.8%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	63	502	-87.5%	0	0	0.0%	0	0	0.0%	2,327	8,056	-71.1%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	44	117	-62.4%	0	0	0.0%	0	0	0.0%	639	6,011	-89.4%
SINGAPORE GASOIL	MAF	0	0	0.0%	0	0	0	2,372	723	228.1%	0	0	0.0%	0	0	0.0%	20,184	1,306	1,445.5%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	186	15	1,140.0%	0	0	0.0%	0	0	0.0%	642	506	26.9%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	2,546	4,981	-48.9%	0	0	0.0%	0	0	0.0%	36,580	47,222	-22.5%
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%

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Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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 GASOIL CALEND	GDL	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%	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	200	-100.0%
SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	0	234	-38.4%	0	0	0.0%	0	0	0.0%	1,769	4,752	-62.8%
SINGAPORE GASOIL CALEND	SGG	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	504	-31.1%	0	0	0.0%	0	2	-100.0%	9,246	45,672	-79.8%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	103	-98.8%	0	0	0.0%	0	0	0.0%	4,593	126,410	-96.4%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	50	0.0%	0	0	0.0%	0	0	0.0%	50	215	-76.7%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	100	34,145	-99.7%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	1,015	9.7%	0	0	0.0%	0	0	0.0%	6,005	13,000	-53.8%
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	400	-100.0%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	1,500	5,721	-73.8%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	0	2,654	-82.0%	0	0	0.0%	0	2	-100.0%	88,322	137,886	-35.9%
SINGAPORE NAPHTHA SWAP	SP	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	5	0.0%	0	0	0.0%	0	0	0.0%	5	100	-95.0%
SOCAL PIPE SWAP	XN	-	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%
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%
Sumas Basis Swap	NK	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%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	0	0	190	35.7%	0	0	0.0%	0	0	0.0%	2,431	857	183.7%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	60	-91.2%	0	0	0.0%	0	0	0.0%	3,401	1,025	231.8%
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%
TCO NG INDEX SWAP	Q1	-	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	9,664	218.3%	0	0	0.0%	0	0	0.0%	55,944	12,436	349.9%
TENNESSEE 500 LEG BASIS S	NM	-	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%
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%
TETCO M-3 INDEX	IX	-	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%
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%
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%
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%
TRANSCO ZONE 3 NG INDEX S	Y6	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

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Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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																			
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%	
TRANSCO ZONE 4 NAT GAS IN	B2	-	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%	
TRANSCO ZONE 6 INDEX	IT	-	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%	20	60	-66.7%	
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	365	327	0.12	0	0.0%	0	0	0.0%	6,044	46,231	-86.9%	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%	
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	14	-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%	
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	0	11,105	65.7%	0	0	0.0%	0	0	0.0%	56,330	56,104	0.4%	
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	50,085	30.9%	0	0	0.0%	0	0	0.0%	341,098	327,620	4.1%	
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	25	-100.0%	
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	504	0.0%	0	0	0.0%	0	0	0.0%	1,953	6,650	-70.6%	
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	0	39,659	122.9%	0	0	0.0%	0	6	-100.0%	362,445	315,144	15.0%	
WTI CALENDAR	CS	0	0	0.0%	0	0	0	43,833	8.1%	0	0	0.0%	0	0	0.0%	402,397	336,439	19.6%	
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	6,165	1.3%	0	0	0.0%	0	0	0.0%	44,697	85,590	-47.8%	
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	620	-13.9%	0	0	0.0%	0	0	0.0%	7,155	6,105	17.2%	
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%	
BRENT 1 MONTH CAL	AA	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	12	-1	0	-100.0%	0	0	0.0%	0	12	-100.0%	3,810	13,164	-71.1%	
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	2,000	-100.0%	
BRENT CRUDE OIL 1 M CSO	9C	0	0	0.0%	0	0	0	600	-96.7%	0	0	0.0%	1,800	2,900	-37.9%	33,990	407,588	-91.7%	
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	1,000	-100.0%	
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	10,600	-68.3%	0	0	0.0%	0	0	0.0%	342,576	299,720	14.3%	
BRENT OIL LAST DAY	BZO	0	0	0.0%	58,860	127,284	-0.54	19,936	-92.6%	0	0	0.0%	626,116	677,523	-7.6%	331,332	1,010,108	-67.2%	
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	190	-100.0%	0	1,000	-100.0%	
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	10	-96.9%	0	0	0.0%	0	0	0.0%	225	6,425	-96.5%	
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	835	3,480	-76.0%	

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Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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																			
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	-	-	0	150	-	-
CRUDE OIL 1MO	WA	0	0	0.0%	7,926	26,520	-0.7	137,750	196,750	-30.0%	0	0	0.0%	87,887	151,755	-42.1%	2,157,575	1,876,150	15.0%
CRUDE OIL APO	AO	0	0	0.0%	0	0	0	24,287	19,147	26.8%	0	0	0.0%	3	331	-99.1%	435,025	433,465	0.4%
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	8,000	-100.0%	0	0	0.0%	0	0	0.0%	0	8,000	-100.0%
CRUDE OIL OUTRIGHTS	DBP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	WCI	0	0	0.0%	0	0	0	0	390	-100.0%	0	0	0.0%	0	0	0.0%	960	390	146.2%
CRUDE OIL PHY	CD	0	0	0.0%	0	0	0	0	1,500	-100.0%	0	0	0.0%	0	0	0.0%	1,300	20,850	-93.8%
CRUDE OIL PHY	LC	0	0	0.0%	0	0	0	13,920	16,765	-17.0%	0	0	0.0%	60	724	-91.7%	105,656	103,487	2.1%
CRUDE OIL PHY	LO	0	0	0.0%	2,119,026	3,375,511	-0.37	341,427	685,739	-50.2%	0	0	0.0%	23,381,608	29,086,631	-19.6%	3,944,814	6,354,773	-37.9%
CRUDE OIL PHY	LO1	0	0	0.0%	21,171	33,616	-0.37	100	408	-75.5%	0	0	0.0%	155,687	157,779	-1.3%	875	483	81.2%
CRUDE OIL PHY	LO2	0	0	0.0%	12,804	22,360	-0.43	0	200	-100.0%	0	0	0.0%	139,401	158,136	-11.8%	550	450	22.2%
CRUDE OIL PHY	LO3	0	0	0.0%	5,614	13,678	-0.59	0	0	0.0%	0	0	0.0%	98,486	106,342	-7.4%	700	325	115.4%
CRUDE OIL PHY	LO4	0	0	0.0%	13,700	22,702	-0.4	0	0	0.0%	0	0	0.0%	159,260	159,140	0.1%	300	350	-14.3%
CRUDE OIL PHY	LO5	0	0	0.0%	844	0	0	0	0	0.0%	0	0	0.0%	48,258	49,480	-2.5%	700	225	211.1%
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	9,635	3,777	155.1%	0	0	0.0%	0	0	0.0%	109,961	63,203	74.0%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	780	3,118	-75.0%
EUROPEAN JET KEROSENE N	30	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
FREIGHT MARKETS	TDT	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	1,800	-	-
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	100	270	-63.0%	0	0	0.0%	2	0	0.0%	2,000	1,020	96.1%
HEATING OIL PHY	OH	0	0	0.0%	4,630	4,467	0.04	19,960	26,091	-23.5%	0	0	0.0%	44,694	51,007	-12.4%	237,756	244,000	-2.6%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	48	0	0	5,431	3,501	55.1%	0	0	0.0%	94	5	1,780.0%	63,065	43,930	43.6%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	2,150	100	2,050.0%

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Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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																			
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	50	0	0.0%	0	0	0.0%	0	0	0.0%	180	290	-37.9%	
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0	180	70	157.1%	0	0	0.0%	0	0	0.0%	1,100	2,075	-47.0%	
NATURAL GAS	G10	-	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%	8,951	750	127,950	49,950	156.2%	0	0	0.0%	28,473	2,379	1,096.8%	725,080	366,741	97.7%	
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	600	0	0.0%	0	0	0.0%	0	0	0.0%	6,225	1,400	344.6%	
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	900	200	350.0%	0	0	0.0%	0	1	-100.0%	225,525	44,245	409.7%	
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	1,900	0	0.0%	0	0	0.0%	0	0	0.0%	4,750	2,550	86.3%	
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	16,500	5,800	184.5%	0	0	0.0%	0	0	0.0%	64,025	84,400	-24.1%	
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	3,820	4,270	-10.5%	0	0	0.0%	0	0	0.0%	25,820	27,642	-6.6%	
NATURAL GAS PHY	KD	0	0	0.0%	910	10,764	9,385	3,150	197.9%	0	0	0.0%	5,918	121,214	-95.1%	35,055	74,335	-52.8%	
NATURAL GAS PHY	LN	0	0	0.0%	1,307,884	1,677,227	717,470	877,347	-18.2%	0	0	0.0%	8,753,565	11,159,222	-21.6%	6,701,471	7,000,747	-4.3%	
NATURAL GAS PHY	ON	0	0	0.0%	138,175	242,576	650	5,085	-87.2%	0	0	0.0%	1,208,817	1,721,975	-29.8%	34,256	92,588	-63.0%	
NATURAL GAS WINTER STRIP	6I	0	0	0.0%	0	0	0	600	-100.0%	0	0	0.0%	0	0	0.0%	1,500	2,700	-44.4%	
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	182	0	0.0%	0	0	0.0%	0	0	0.0%	4,352	2,016	115.9%	
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	24	62	7,310	3,388	115.8%	0	0	0.0%	420	558	-24.7%	25,901	25,535	1.4%	
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%	
NYMEX EUROPEAN GASOIL AP	F7	-	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%	
PETROCHEMICALS	4H	0	0	0.0%	3	0	13	1,347	-99.0%	0	0	0.0%	24	23	4.3%	4,821	6,629	-27.3%	
PETROCHEMICALS	4J	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	0.0%	0	0	0.0%	0	0	0.0%	560	3,300	-83.0%	
PETROCHEMICALS	CPR	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%	
PETRO OUTRIGHT EURO	BCO	0	-	-	0	-	12	-	-	0	-	-	0	-	-	36	-	-	
PETRO OUTRIGHT NA	DAP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	420	192	118.8%	
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0	190	270	-29.6%	0	0	0.0%	0	0	0.0%	850	720	18.1%	
PJM WES HUB PEAK CAL MTH	JOA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	880	-100.0%	
PJM WES HUB PEAK LMP 50MW	PMA	0	0	0.0%	0	0	0	252	-100.0%	0	0	0.0%	0	0	0.0%	836	7,404	-88.7%	
RBOB 1MO CAL SPD OPTIONS	ZA	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	75	85	-11.8%	0	0	0.0%	0	0	0.0%	576	1,050	-45.1%	
RBOB CRACK	RX	0	0	0.0%	0	2	0	0	0.0%	0	0	0.0%	0	2	-100.0%	0	0	0.0%	
RBOB PHY	OB	0	0	0.0%	2,061	2,574	3,925	17,515	-77.6%	0	0	0.0%	34,985	33,761	3.6%	106,445	87,687	21.4%	

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Energy Options																			
RBOB PHY	RF	0	0	0.0%	0	0	0	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%	
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0	0	910	31	2,835.5%	0	0	0.0%	0	0	0.0%	3,880	2,149	80.5%
SHORT TERM	C15	0	0	0.0%	0	0	0	0	500	-100.0%	0	0	0.0%	0	0	0.0%	0	500	-100.0%
SHORT TERM	U11	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	111	-100.0%	700	1,125	-37.8%
SHORT TERM	U12	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	100	-100.0%	1,480	1,000	48.0%
SHORT TERM	U13	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	400	-62.5%
SHORT TERM	U14	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	13	-100.0%	150	850	-82.4%
SHORT TERM	U15	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	25	147	-83.0%	1,250	650	92.3%
SHORT TERM	U22	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	1	96	-99.0%	0	1,175	-100.0%
SHORT TERM	U23	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	17	148	-88.5%	100	750	-86.7%
SHORT TERM	U24	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	379	-100.0%	250	500	-50.0%
SHORT TERM	U25	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	2	-100.0%	0	150	-100.0%
SHORT TERM	U26	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	400	-75.0%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	125	0	0.0%	0	0	0.0%	25	0	0.0%	625	550	13.6%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	0	1,350	-100.0%	0	0	0.0%	0	98	-100.0%	175	2,700	-93.5%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	4	54	-92.6%	700	1,475	-52.5%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	100	-1	300	275	9.1%	0	0	0.0%	0	125	-100.0%	900	1,850	-51.4%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	10	-1	0	0	0.0%	0	0	0.0%	0	100	-100.0%	250	1,330	-81.2%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	5	50	-90.0%	500	1,450	-65.5%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	1	-100.0%	650	1,600	-59.4%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	50	-1	200	50	300.0%	0	0	0.0%	0	52	-100.0%	2,650	1,425	86.0%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	34	-100.0%	700	1,500	-53.3%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	400	0	0.0%	0	0	0.0%	0	0	0.0%	1,150	1,250	-8.0%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	150	-100.0%	250	550	-54.5%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	96	-100.0%	450	2,200	-79.5%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	25	22	13.6%	100	1,600	-93.8%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	123	-100.0%	100	225	-55.6%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	300	1,400	-78.6%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	13	-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	25	-100.0%	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%	100	450	-77.8%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	600	100	500.0%

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Energy Options																			
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	27	-100.0%	1,400	0	0.0%
SINGAPORE GASOIL CALENDAR	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 CALENDAR	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%	6,000	7,270	-0.17	16,375	24,574	-33.4%	0	0	0.0%	37,705	146,035	-74.2%	495,600	661,260	-25.1%
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	0	0	0	84,250	87,050	-3.2%	0	0	0.0%	8,600	15,050	-42.9%	528,320	707,850	-25.4%

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Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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 Futures																			
COMEX GOLD	GC	0	0	0.0%	7,792,966	6,263,564	0.24	223,184	206,679	8.0%	0	0	0.0%	69,964,825	67,391,578	3.8%	2,222,299	2,426,763	-8.4%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	2,492	2,401	0.04	12,124	7,264	66.9%	0	0	0.0%	31,929	30,300	5.4%	122,338	70,078	74.6%
NYMEX PLATINUM	PL	0	0	0.0%	397,266	373,995	0.06	11,043	9,725	13.6%	0	0	0.0%	4,708,498	4,468,257	5.4%	165,925	124,528	33.2%
PALLADIUM	PA	0	0	0.0%	87,449	112,340	-0.22	3,275	3,663	-10.6%	0	0	0.0%	1,018,233	1,161,127	-12.3%	34,144	49,587	-31.1%
URANIUM	UX	0	0	0.0%	0	173	-1	0	654	-100.0%	0	0	0.0%	412	766	-46.2%	10,189	3,513	190.0%
COMEX SILVER	SI	0	0	0.0%	1,773,607	1,746,359	0.02	36,909	47,175	-21.8%	0	0	0.0%	19,816,496	19,817,548	0.0%	455,638	569,758	-20.0%
COMEX E-Mini GOLD	QO	0	0	0.0%	26,356	11,250	1.34	0	0	0.0%	0	0	0.0%	202,992	82,303	146.6%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	3,663	936	2.91	0	0	0.0%	0	0	0.0%	45,047	11,507	291.5%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	1,662,813	2,603,469	-0.36	11,143	22,383	-50.2%	0	0	0.0%	20,069,917	28,488,338	-29.6%	156,569	268,905	-41.8%
COMEX MINY COPPER	QC	0	0	0.0%	544	415	0.31	0	0	0.0%	0	0	0.0%	6,632	4,596	44.3%	0	0	0.0%
ALUMINUM	A38	0	0	0.0%	0	0	0	0	72	-100.0%	0	0	0.0%	0	0	0.0%	22	72	-69.4%
ALUMINUM	AEP	0	0	0.0%	0	0	0	6,340	2,425	161.4%	0	0	0.0%	55	0	0.0%	21,828	14,730	48.2%
ALUMINUM	ALA	0	0	0.0%	0	0	0	360	40	800.0%	0	0	0.0%	0	0	0.0%	920	5,515	-83.3%
ALUMINUM	ALI	0	0	0.0%	3,113	0	0	130	0	0.0%	0	0	0.0%	9,845	0	0.0%	130	0	0.0%
ALUMINUM	AUP	0	0	0.0%	1,151	925	0.24	9,022	7,678	17.5%	0	0	0.0%	6,064	7,798	-22.2%	56,548	79,564	-28.9%
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	30	-1	5,088	3,740	36.0%	0	0	0.0%	72	47	53.2%	21,684	15,444	40.4%
ALUMINUM	MJP	0	0	0.0%	0	0	0	690	1,620	-57.4%	0	0	0.0%	0	76	-100.0%	10,270	11,759	-12.7%
COPPER	HGS	0	0	0.0%	0	0	0	2,280	2,611	-12.7%	0	0	0.0%	0	0	0.0%	9,339	14,846	-37.1%
E-MICRO GOLD	MGC	0	0	0.0%	812,994	246,996	2.29	0	0	0.0%	0	0	0.0%	4,502,875	1,483,874	203.5%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	208	456	-0.54	525	1,951	-73.1%	0	0	0.0%	4,581	818	460.0%	6,358	16,269	-60.9%
GOLD	GPS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GOLD	SGC	0	-	-	9,584	-	0	-	-	0	-	-	9,584	-	-	0	-	-	
GOLD	SGU	0	-	-	6,086	-	0	-	-	0	-	-	6,086	-	-	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 FU	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	8	-1	1,961	4,784	-59.0%	0	0	0.0%	28	149	-81.2%	50,617	37,604	34.6%
LNDN ZINC	ZNC	0	0	0.0%	0	4,601	-1	0	0	0.0%	0	0	0.0%	1,230	10,544	-88.3%	0	0	0.0%
SILVER	SIL	0	0	0.0%	40,222	9,494	3.24	0	0	0.0%	0	0	0.0%	272,128	77,342	251.9%	0	0	0.0%



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Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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%	46,304	35,694	0.3	9,315	10,079	-7.6%	0	0	0.0%	434,432	206,710	110.2%	159,729	78,556	103.3%
COMEX GOLD	OG	0	0	0.0%	851,594	1,013,201	-0.16	342,789	160,172	114.0%	0	0	0.0%	10,177,655	7,828,821	30.0%	3,058,310	2,062,562	48.3%
COMEX SILVER	SO	0	0	0.0%	158,753	121,120	0.31	11,879	25,427	-53.3%	0	0	0.0%	1,688,188	1,283,915	31.5%	199,474	279,533	-28.6%
COPPER	H1E	0	0	0.0%	91	12	6.58	0	0	0.0%	0	0	0.0%	459	47	876.6%	0	0	0.0%
COPPER	H2E	0	0	0.0%	45	23	0.96	125	0	0.0%	0	0	0.0%	673	136	394.9%	125	0	0.0%
COPPER	H3E	0	0	0.0%	358	6	58.67	0	0	0.0%	0	0	0.0%	984	107	819.6%	0	0	0.0%
COPPER	H4E	0	0	0.0%	33	0	0	150	0	0.0%	0	0	0.0%	159	169	-5.9%	150	0	0.0%
COPPER	H5E	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	97	12	708.3%	0	0	0.0%
GOLD	OG1	0	0	0.0%	58,708	18,142	2.24	6,600	0	0.0%	0	0	0.0%	399,937	111,766	257.8%	30,130	1,460	1,963.7%
GOLD	OG2	0	0	0.0%	49,331	21,315	1.31	6,005	200	2,902.5%	0	0	0.0%	346,237	98,738	250.7%	27,757	3,370	723.6%
GOLD	OG3	0	0	0.0%	31,553	13,353	1.36	2,050	150	1,266.7%	0	0	0.0%	278,690	105,106	165.2%	16,929	3,900	334.1%
GOLD	OG4	0	0	0.0%	20,476	7,167	1.86	500	0	0.0%	0	0	0.0%	195,242	70,070	178.6%	8,575	1,750	390.0%
GOLD	OG5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	60,052	26,028	130.7%	2,325	0	0.0%
HOT ROLLED COIL STEEL CALL	HRO	0	0	0.0%	0	0	0	150	0	0.0%	0	0	0.0%	0	0	0.0%	1,050	0	0.0%
IRON ORE 62 CHINA TSI CALL C	ICT	0	0	0.0%	0	0	0	30	0	0.0%	0	0	0.0%	0	0	0.0%	6,830	200	3,315.0%
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%	1,169	1,250	-0.06	2,250	1,650	36.4%	0	0	0.0%	14,345	18,597	-22.9%	20,841	21,501	-3.1%
PALLADIUM	PAO	0	0	0.0%	783	747	0.05	825	351	135.0%	0	0	0.0%	6,026	14,567	-58.6%	6,344	13,168	-51.8%
SILVER	SO1	0	0	0.0%	3,017	1,204	1.51	500	0	0.0%	0	0	0.0%	18,904	4,978	279.8%	1,325	0	0.0%
SILVER	SO2	0	0	0.0%	3,076	1,036	1.97	225	0	0.0%	0	0	0.0%	16,352	4,204	289.0%	1,400	0	0.0%
SILVER	SO3	0	0	0.0%	2,729	666	3.1	0	0	0.0%	0	0	0.0%	15,349	6,024	154.8%	415	0	0.0%
SILVER	SO4	0	0	0.0%	795	385	1.06	0	0	0.0%	0	0	0.0%	6,360	3,177	100.2%	0	0	0.0%
SILVER	SO5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	4,033	2,092	92.8%	0	0	0.0%
TOTAL FUTURES GROUP																			
Ag Products Futures		0	0	0.0%	2	7	-71.4%	0	0	0.0%	0	0	0.0%	56	83	-32.5%	0	0	0.0%
Energy Futures		0	0	0.0%	44,774,679	47,215,925	-5.2%	2,576,126	2,887,315	-10.8%	0	0	0.0%	432,194,484	441,625,625	-2.1%	25,540,389	27,268,567	-6.3%
Metals Futures		0	0	0.0%	12,620,514	11,377,412	10.9%	324,074	322,464	0.5%	0	0	0.0%	120,677,529	123,037,129	-1.9%	3,344,818	3,709,115	-9.8%
TOTAL FUTURES		0	0	0.0%	57,395,195	58,593,344	-2.0%	2,900,200	3,209,779	-9.6%	0	0	0.0%	552,872,069	564,662,837	-2.1%	28,885,207	30,977,682	-6.8%

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Commodity Indicator	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	CME ClearPort OCT 2019	CME ClearPort OCT 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
TOTAL OPTIONS GROUP																		
Energy Options	0	0	0.0%	3,708,631	5,567,535	-33.4%	1,578,028	2,374,341	-33.5%	0	0	0.0%	34,821,996	43,804,176	-20.5%	16,794,907	20,141,149	-16.6%
Metals Options	0	0	0.0%	1,228,815	1,235,321	-0.5%	383,393	198,029	93.6%	0	0	0.0%	13,664,174	9,785,264	39.6%	3,545,309	2,467,280	43.7%
TOTAL OPTIONS	0	0	0.0%	4,937,446	6,802,856	-27.4%	1,961,421	2,572,370	-23.8%	0	0	0.0%	48,486,170	53,589,440	-9.5%	20,340,216	22,608,429	-10.0%
TOTAL COMBINED																		
Ag Products	0	0	0.0%	2	7	-71.4%	0	0	0.0%	0	0	0.0%	56	83	-32.5%	0	0	0.0%
Energy	0	0	0.0%	48,483,310	52,783,460	-8.1%	4,154,154	5,261,656	-21.0%	0	0	0.0%	467,016,480	485,429,801	-3.8%	42,335,296	47,409,716	-10.7%
Metals	0	0	0.0%	13,849,329	12,612,733	9.8%	707,467	520,493	35.9%	0	0	0.0%	134,341,703	132,822,393	1.1%	6,890,127	6,176,395	11.6%
GRAND TOTAL	0	0	0.0%	62,332,641	65,396,200	-4.7%	4,861,621	5,782,149	-15.9%	0	0	0.0%	601,358,239	618,252,277	-2.7%	49,225,423	53,586,111	-8.1%