

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 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%	0	5	-100.0%	0	0	0.0%	
COFFEE	KT	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
COTTON	TT	0	0	0.0%	6	0	0	0	0.0%	0	0	0.0%	9	2	350.0%	0	0	0.0%	
SUGAR 11	YO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	58	-100.0%	0	0	0.0%	
Energy Futures																			
CRUDE OIL PHY	CL	0	0	0.0%	27,954,332	30,494,584	-0.08	570,116	456,153	25.0%	0	0	0.0%	126,136,239	136,821,126	-7.8%	2,504,501	2,397,730	4.5%
CRUDE OIL	WS	0	0	0.0%	0	0	0	0	4,000	-100.0%	0	0	0.0%	0	89	-100.0%	16,694	8,250	102.4%
MINY WTI CRUDE OIL	QM	0	0	0.0%	512,407	408,772	0.25	0	0	0.0%	0	0	0.0%	2,067,558	1,596,027	29.5%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	3,064,869	2,120,216	0.45	92,925	32,173	188.8%	0	0	0.0%	10,313,806	8,810,058	17.1%	295,635	197,053	50.0%
HEATING OIL PHY	HO	0	0	0.0%	3,733,707	4,134,987	-0.1	278,123	199,607	39.3%	0	0	0.0%	15,675,619	19,482,053	-19.5%	1,188,838	1,003,503	18.5%
HTG OIL	BH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	48	48	0.0%
MINY HTG OIL	QH	0	0	0.0%	3	2	0.5	0	0	0.0%	0	0	0.0%	17	15	13.3%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	4,541,669	4,316,306	0.05	291,827	252,773	15.5%	0	0	0.0%	21,324,085	19,591,160	8.8%	1,390,786	1,143,712	21.6%
MINY RBOB GAS	QU	0	0	0.0%	6	3	1	0	0	0.0%	0	0	0.0%	30	15	100.0%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	29,580	28,106	0.05	77,023	69,226	11.3%	0	0	0.0%	198,440	294,808	-32.7%	350,753	393,426	-10.8%
LTD NAT GAS	HH	0	0	0.0%	155,324	205,950	-0.25	125,036	127,069	-1.6%	0	0	0.0%	812,502	1,138,219	-28.6%	771,585	691,928	11.5%
MINY NATURAL GAS	QG	0	0	0.0%	24,233	15,948	0.52	0	0	0.0%	0	0	0.0%	130,322	148,902	-12.5%	0	24	-100.0%
PJM MONTHLY	JM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	0	0	0.0%	6,867,912	8,026,786	-0.14	181,897	214,723	-15.3%	0	0	0.0%	35,325,834	45,096,194	-21.7%	1,241,751	1,484,775	-16.4%
RBOB GAS	RT	0	0	0.0%	0	0	0	0	1,010	-100.0%	0	0	0.0%	0	0	0.0%	60	14,338	-99.6%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	63	55	14.5%	0	0	0.0%	0	0	0.0%	73	452	-83.8%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	0	0	0	0	5	-100.0%	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	4,565	25,757	-82.3%	0	0	0.0%	0	30	-100.0%	64,341	135,142	-52.4%

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Energy Futures																			
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	5,659	4,908	15.3%	0	0	0.0%	0	0	0.0%	31,859	32,911	-3.2%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	2,869	2,238	28.2%	0	0	0.0%	0	0	0.0%	15,387	13,792	11.6%
AUSTRIALIAN COKE COAL	ACT	0	0	0.0%	0	0	0	0	20	-100.0%	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	0	0	0.0%	0	0	0.0%	0	0	0.0%	713	50	1,326.0%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	11,430	13,046	-12.4%	0	0	0.0%	0	0	0.0%	23,829	20,596	15.7%
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	476	-100.0%	0	0	0.0%	0	0	0.0%	7,000	10,976	-36.2%
BRENT FINANCIAL FUTURES	MBC	0	-	-	0	-	-	22	-	-	0	-	-	0	-	-	82	-	-
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	0	80	-100.0%	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%	9	585	-0.98	121,558	105,034	15.7%	0	0	0.0%	474	1,591	-70.2%	555,966	540,990	2.8%
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	1,096	170	544.7%	0	0	0.0%	0	0	0.0%	3,177	1,322	140.3%
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%	675	525	28.6%
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	524	1,372	-61.8%	0	0	0.0%	0	0	0.0%	2,740	5,976	-54.1%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,920	0	0.0%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	325	0	0.0%
COAL SWAP	ACM	0	0	0.0%	0	0	0	0	115	-100.0%	0	0	0.0%	0	0	0.0%	0	300	-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	124	575	-78.4%	0	0	0.0%	0	0	0.0%	1,108	1,123	-1.3%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	635	245	159.2%	0	0	0.0%	0	0	0.0%	1,458	585	149.2%

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Energy Futures																			
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	0	6	-1	17,077	18,176	-6.0%	0	0	0.0%	90	12	650.0%	73,782	80,746	-8.6%
CRUDE OIL	LPS	0	0	0.0%	0	0	0	3,000	4,850	-38.1%	0	0	0.0%	0	0	0.0%	15,325	24,305	-36.9%
CRUDE OIL OUTRIGHTS	42	0	0	0.0%	0	0	0	491	236	108.1%	0	0	0.0%	0	0	0.0%	2,595	1,142	127.2%
CRUDE OIL OUTRIGHTS	CC5	0	0	0.0%	0	0	0	350	0	0.0%	0	0	0.0%	0	0	0.0%	1,700	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%	0	2,956	-100.0%
CRUDE OIL OUTRIGHTS	CSN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	CSW	0	0	0.0%	0	0	0	360	0	0.0%	0	0	0.0%	50	0	0.0%	2,340	5	46,700.0%
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0	0	0	59	-100.0%	0	0	0.0%	0	0	0.0%	0	99	-100.0%
CRUDE OIL OUTRIGHTS	FE	-	0	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	0.0%	276	105	162.9%
CRUDE OIL OUTRIGHTS	HTT	0	0	0.0%	0	0	0	69,098	82,981	-16.7%	0	0	0.0%	0	0	0.0%	307,657	276,645	11.2%
CRUDE OIL OUTRIGHTS	LSW	0	0	0.0%	0	0	0	120	0	0.0%	0	0	0.0%	0	0	0.0%	2,958	290	920.0%
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	0.0%
CRUDE OIL OUTRIGHTS	UMD	0	0	0.0%	0	0	0	0	100	-100.0%	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	1,500	-100.0%	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	0.0%
CRUDE OIL OUTRIGHTS	WCW	0	0	0.0%	0	0	0	3,202	6,840	-53.2%	0	0	0.0%	0	0	0.0%	27,229	48,901	-44.3%
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	0.0%
CRUDE OIL PHY	HCL	0	-	-	9,364	-	-	16,220	-	-	0	-	-	81,789	-	-	35,917	-	-
CRUDE OIL SPRDS	38	0	0	0.0%	0	0	0	0	900	-100.0%	0	0	0.0%	0	0	0.0%	0	2,055	-100.0%
CRUDE OIL SPRDS	HIL	0	-	-	0	-	-	720	-	-	0	-	-	0	-	-	720	-	-
CRUDE OIL SPRDS	WTT	0	0	0.0%	0	0	0	29,627	54,363	-45.5%	0	0	0.0%	0	0	0.0%	113,475	275,737	-58.8%
CRUDE OIL TRADE AT MARKER	CLS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	AOR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	IDO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	NOC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PEO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PNO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PNP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PWO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	PWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	WOR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
DAILY PJM	ZAO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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Energy Futures																			
DAILY PJM	ZGO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
DAILY PJM	ZJO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
DATED BRENT (PLATTS) DAILY	7G	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0	0	100	0.0%	0	0	0.0%	0	0	0.0%	1,000	2,660	-62.4%	
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	-100.0%	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	105	-96.2%	0	0	0.0%	0	0	0.0%	15,873	11,681	35.9%	
DUTCH TTF NATURAL GAS CAL	TTF	0	0	0.0%	6,444	2,176	1.96	0	0.0%	0	0	0.0%	37,660	5,586	574.2%	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	0	-100.0%	0	0	0.0%	0	0	0.0%	0	185	-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%	0	157	-100.0%	
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	0	500	137.0%	0	0	0.0%	0	0	0.0%	1,567	877	78.7%	
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	1,510	-100.0%	
ERCOT NORTH ZMCPE 5MW OF	I8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	

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Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 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	4,610	-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	155	10	1,450.0%	0	0	0.0%	0	0	0.0%	520	40	1,200.0%	
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	2,829	3,153	-10.3%	0	0	0.0%	0	0	0.0%	19,392	15,684	23.6%	
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0	3	15	-80.0%	0	0	0.0%	0	0	0.0%	3	20	-85.0%	
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	40	885	-95.5%	0	0	0.0%	0	0	0.0%	213	3,315	-93.6%	
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	35	80	-56.3%	0	0	0.0%	0	0	0.0%	120	562	-78.6%	
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	10	-100.0%	0	0	0.0%	0	0	0.0%	0	365	-100.0%	
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0	341	15	2,173.3%	0	0	0.0%	0	0	0.0%	444	318	39.6%	
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0	0	3	-100.0%	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	62	61	1.6%	0	0	0.0%	0	0	0.0%	348	671	-48.1%	
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	759	14,507	-94.8%	0	0	0.0%	0	0	0.0%	6,289	47,201	-86.7%	
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	48	786	-0.94	0	0.0%	0	0	0.0%	476	2,448	-80.6%	0	0	0.0%	
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	110	214	-48.6%	0	0	0.0%	0	0	0.0%	995	1,313	-24.2%	
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	3,886	8,923	-56.4%	0	0	0.0%	0	0	0.0%	25,800	46,268	-44.2%	
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	260	0	0.0%	0	0	0.0%	0	0	0.0%	1,058	0	0.0%	
EUROPE JET KERO NWE CALS	UJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	15	-66.7%	
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	2,135	2,522	-15.3%	0	0	0.0%	0	0	0.0%	11,956	16,182	-26.1%	
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	1,687	1,553	8.6%	0	0	0.0%	0	0	0.0%	10,215	9,942	2.7%	
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	187	74	152.7%	0	0	0.0%	0	0	0.0%	672	566	18.7%	
FREIGHT MARKETS	FRC	0	0	0.0%	0	0	150	350	-57.1%	0	0	0.0%	0	0	0.0%	600	535	12.1%	
FREIGHT MARKETS	FRS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
FREIGHT MARKETS	T2D	0	0	0.0%	0	0	580	300	93.3%	0	0	0.0%	0	0	0.0%	2,790	1,328	110.1%	
FREIGHT MARKETS	TC6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	240	-100.0%	
FREIGHT MARKETS	TD3	0	-	-	0	-	0	-	-	0	-	-	0	-	-	70	-	-	
FREIGHT MARKETS	TD8	0	-	-	0	-	0	-	-	0	-	-	0	-	-	60	-	-	
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	2,974	5,210	-42.9%	0	0	0.0%	0	0	0.0%	8,854	23,724	-62.7%	
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%	0	154	-100.0%	
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	72	-100.0%	

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Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	0	382	196	94.9%	0	0	0.0%	0	0	0.0%	1,196	1,421	-15.8%
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	4,720	10,462	-54.9%	0	0	0.0%	0	0	0.0%	35,507	39,751	-10.7%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	8,759	17,159	-49.0%	0	0	0.0%	0	0	0.0%	50,428	110,270	-54.3%
GASOIL 0.1 CIF MED SWAP	Z4	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	0.0%	0	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	10	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	8W	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	5	200.0%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	30	610	-95.1%	0	0	0.0%	0	0	0.0%	103	975	-89.4%
GASOIL 10P CRG CIF NW VS	3V	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	15	0	0.0%	0	0	0.0%	0	0	0.0%	39	12	225.0%
GASOIL BULLET SWAP	BG	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	0	12	24	-50.0%	0	0	0.0%	0	0	0.0%	66	36	83.3%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	300	4,146	-92.8%	0	0	0.0%	0	0	0.0%	762	28,158	-97.3%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	0	165	131	26.0%	0	0	0.0%	0	0	0.0%	1,005	667	50.7%
GERMAN POWER BASELOAD C	DEB	0	0	0.0%	2,986	0	0	0	0	0.0%	0	0	0.0%	11,425	2,076	450.3%	0	0	0.0%
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	0	0	0	0	40	-100.0%	0	0	0.0%	0	0	0.0%	0	155	-100.0%
GROUP THREE UNLEAD GAS (F	A9	0	0	0.0%	0	0	0	0	425	-100.0%	0	0	0.0%	0	0	0.0%	0	425	-100.0%
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	0	7,091	2,845	149.2%	0	0	0.0%	0	0	0.0%	17,446	19,139	-8.8%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	0	2,469	1,724	43.2%	0	0	0.0%	0	0	0.0%	16,907	10,662	58.6%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	385	2,174	-82.3%	0	0	0.0%	0	0	0.0%	3,740	7,670	-51.2%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	0	48	-100.0%	0	0	0.0%	0	0	0.0%	267	681	-60.8%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	32,243	28,339	13.8%	0	0	0.0%	0	0	0.0%	108,034	216,472	-50.1%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	23,903	74,617	-68.0%	0	0	0.0%	0	0	0.0%	128,223	315,653	-59.4%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	0	2,520	-100.0%	0	0	0.0%	0	0	0.0%	1,028	11,003	-90.7%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	536	239	124.3%	0	0	0.0%	0	0	0.0%	1,813	993	82.6%
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,295	-100.0%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	45	56	-19.6%
HEATING OIL CRCK SPRD BAL	1H	0	-	-	0	-	0	18	-	-	0	-	0	-	-	0	18	-	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	0	0	4,800	0	0.0%	0	0	0.0%	0	0	0.0%	9,388	6,192	51.6%
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	4,377	-1	0	0	0.0%	0	0	0.0%	0	9,667	-100.0%	0	0	0.0%
HENRY HUB FINANCIAL LAST	TTE	0	0	0.0%	0	69	-1	0	0	0.0%	0	0	0.0%	0	690	-100.0%	0	0	0.0%
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	4,800	0	0.0%	0	0	0.0%	0	0	0.0%	9,388	6,192	51.6%

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Energy Futures																			
HENRY HUB SWAP	NN	0	0	0.0%	0	26,596	-1	110,794	186,373	-40.6%	0	0	0.0%	122	40,510	-99.7%	606,914	818,901	-25.9%
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	6,508	15,321	-57.5%	0	0	0.0%	0	0	0.0%	25,958	58,338	-55.5%
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	370	175	111.4%	0	0	0.0%	0	0	0.0%	1,975	410	381.7%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	0	81	-100.0%	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	1,127	2,711	-58.4%	0	0	0.0%	0	0	0.0%	7,100	10,628	-33.2%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	0	53	-100.0%	0	0	0.0%	0	0	0.0%	276	193	43.0%
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	18	-100.0%	0	0	0.0%	0	0	0.0%	70	492	-85.8%
JET FUEL BRG FOB RDM VS I	9Q	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
JET FUEL CRG CIF NEW VS I	6X	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	0	6,855	3,830	79.0%	0	0	0.0%	0	0	0.0%	21,334	34,074	-37.4%
JKM LNG Futures	JKM	0	0	0.0%	0	0	0	2,880	525	448.6%	0	0	0.0%	0	0	0.0%	8,976	3,970	126.1%
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	10	450	-97.8%	0	0	0.0%	0	0	0.0%	295	1,450	-79.7%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	325	650	-50.0%	0	0	0.0%	0	0	0.0%	2,000	3,925	-49.0%
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	875	2,345	-62.7%	0	0	0.0%	0	0	0.0%	6,370	11,880	-46.4%
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	830	17,273	-95.2%	0	0	0.0%	0	0	0.0%	14,699	36,495	-59.7%
LOS ANGELES CARB GASOLIN	MH	0	-	-	0	-	0	0	-	-	0	-	0	-	-	-	0	-	-
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	1,800	2,500	-28.0%	0	0	0.0%	0	0	0.0%	9,765	17,045	-42.7%
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	0	0	14,500	27,575	-47.4%	0	0	0.0%	480	0	0.0%	100,155	142,211	-29.6%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	0	600	-100.0%	0	0	0.0%	0	0	0.0%	0	2,119	-100.0%
MCCLOSKY ARA ARGS COAL	MTF	0	0	0.0%	1,016	45	21.58	27,505	21,607	27.3%	0	0	0.0%	2,221	414	436.5%	137,490	127,978	7.4%
MCCLOSKY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	1,503	3,414	-56.0%	0	0	0.0%	0	0	0.0%	12,274	17,434	-29.6%
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	60	80	-25.0%	0	0	0.0%	0	0	0.0%	230	463	-50.3%
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	304	314	-3.2%	0	0	0.0%	0	0	0.0%	1,007	1,703	-40.9%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	170	310	-45.2%	0	0	0.0%	0	0	0.0%	2,940	1,363	115.7%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	4,067	1,598	154.5%	0	0	0.0%	0	0	0.0%	12,459	7,815	59.4%
MJC FUT	MJC	0	0	0.0%	0	0	0	40	120	-66.7%	0	0	0.0%	0	0	0.0%	150	1,090	-86.2%
MNC FUT	MNC	0	0	0.0%	0	0	0	4,137	4,336	-4.6%	0	0	0.0%	0	0	0.0%	21,497	18,823	14.2%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	10,108	17,247	-41.4%	0	0	0.0%	0	0	0.0%	65,900	78,636	-16.2%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	95	125	-24.0%	0	0	0.0%	0	0	0.0%	839	780	7.6%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	5	27	-0.81	138,962	127,602	8.9%	0	0	0.0%	40	57	-29.8%	699,407	664,853	5.2%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	3,998	2,057	94.4%	0	0	0.0%	0	0	0.0%	16,898	16,101	5.0%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	0	8,244	8,359	-1.4%	0	0	0.0%	0	0	0.0%	40,874	47,043	-13.1%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	405	356	13.8%	0	0	0.0%	0	0	0.0%	2,924	2,129	37.3%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	57,721	36,322	58.9%	0	0	0.0%	0	0	0.0%	207,496	153,842	34.9%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	1,839	681	170.0%	0	0	0.0%	0	0	0.0%	7,620	4,500	69.3%
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	36,993	51,919	-28.7%	0	0	0.0%	0	0	0.0%	147,870	213,609	-30.8%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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	8,256	-100.0%	0	0	0.0%	0	0	0.0%	16,560	70,176	-76.4%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0	0	0	447	-100.0%	0	0	0.0%	0	0	0.0%	0	3,862	-100.0%
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH P	P7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	U4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	U5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
NEPOOL W CNT MASS 5MW D A	L9	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEW YORK ETHANOL SWAP	EZ	0	0	0.0%	0	0	0	855	-29.9%	0	0	0.0%	0	0	0.0%	3,447	8,681	-60.3%	
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	100	-73.9%	0	0	0.0%	0	0	0.0%	675	1,918	-64.8%	
NORTHERN NATURAL GAS DEM	PE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NORTHERN NATURAL GAS VENT	PF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%	
NORTHERN ILLINOIS OFF-PEA	UO	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NORTHWEST ROCKIES BASIS E	NR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,106	0	0.0%	
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	710	49.5%	0	0	0.0%	0	0	0.0%	2,475	7,576	-67.3%	
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	250	900.0%	0	0	0.0%	0	0	0.0%	775	1,000	-22.5%	
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	0	6	-1	6,446	301.6%	0	0	0.0%	0	46	-100.0%	12,624	7,510	68.1%	
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	390	2,650	-85.3%	
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	597	-64.6%	0	0	0.0%	0	0	0.0%	4,556	6,223	-26.8%	
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	260	-77.5%	0	0	0.0%	0	0	0.0%	1,605	6,332	-74.7%	
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	164	46.3%	
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	407	-100.0%	
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	60	197	-69.5%	
NYISO G	KG	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NYISO G OFF-PEAK	KH	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NYISO J	KJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	

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Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 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 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	32,704	158,984	-79.4%	0	0	0.0%	0	0	0.0%	46,384	551,334	-91.6%
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	1,799	11,264	-84.0%	0	0	0.0%	0	0	0.0%	1,799	16,774	-89.3%
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	74	134	-44.8%	0	0	0.0%	0	0	0.0%	1,241	134	826.1%
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	100	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	209	-14.4%	0	0	0.0%	0	0	0.0%	886	861	2.9%
PETROCHEMICALS	32	0	0	0.0%	0	0	70	183	-61.7%	0	0	0.0%	0	0	0.0%	540	1,033	-47.7%
PETROCHEMICALS	3NA	0	-	-	0	-	0	-	-	0	-	-	0	-	-	33	-	-
PETROCHEMICALS	51	0	0	0.0%	0	0	12	0	0.0%	0	0	0.0%	0	0	0.0%	17	23	-26.1%
PETROCHEMICALS	8I	0	0	0.0%	0	0	239	1,336	-82.1%	0	0	0.0%	0	0	0.0%	2,952	4,895	-39.7%
PETROCHEMICALS	91	0	0	0.0%	0	0	580	266	118.0%	0	0	0.0%	0	0	0.0%	2,465	2,540	-3.0%
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	20	50	-60.0%	0	0	0.0%	0	0	0.0%	100	50	100.0%
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	290	210	38.1%	0	0	0.0%	0	0	0.0%	1,114	980	13.7%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	313	85	268.2%	0	0	0.0%	0	0	0.0%	888	535	66.0%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	770	750	2.7%	0	0	0.0%	0	0	0.0%	1,885	4,300	-56.2%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	719	2,704	-73.4%	0	0	0.0%	0	0	0.0%	4,896	11,481	-57.4%
PETROCHEMICALS	MPS	0	0	0.0%	0	0	154	115	33.9%	0	0	0.0%	0	0	0.0%	779	460	69.3%
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%

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Energy Futures																			
PETRO CRCKS & SPRDS ASIA	STI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	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	56	0	0.0%	0	0	0.0%	0	0	0.0%	186	409	-54.5%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	6,575	560	1,074.1%	0	0	0.0%	0	0	0.0%	35,390	1,605	2,105.0%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	2,553	3,507	-27.2%	0	0	0.0%	0	0	0.0%	15,775	14,974	5.3%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	950	25	3,700.0%	0	0	0.0%	0	0	0.0%	2,370	4,525	-47.6%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	350	2,975	-88.2%	0	0	0.0%	0	0	0.0%	3,370	5,820	-42.1%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	0	340	-100.0%	0	0	0.0%	0	0	0.0%	0	1,290	-100.0%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	1,225	1,529	-19.9%	0	0	0.0%	0	0	0.0%	7,138	7,422	-3.8%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	0	21	-100.0%	0	0	0.0%	0	0	0.0%	0	142	-100.0%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	2,729	16,281	-83.2%	0	0	0.0%	0	0	0.0%	17,266	66,723	-74.1%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	100	25	300.0%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	510	390	30.8%	0	0	0.0%	0	0	0.0%	4,950	6,176	-19.9%
PETRO CRCKS & SPRDS NA	KSD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	NYH	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	0	0	0.0%	0	0	0	7,838	10,074	-22.2%	0	0	0.0%	0	0	0.0%	48,161	28,305	70.2%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	13,850	23,359	-40.7%	0	0	0.0%	0	0	0.0%	75,903	92,460	-17.9%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	42	33	27.3%	0	0	0.0%	0	0	0.0%	523	267	95.9%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	755	1,420	-46.8%	0	0	0.0%	0	0	0.0%	8,319	9,959	-16.5%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	50	161	-68.9%	0	0	0.0%	0	0	0.0%	125	1,979	-93.7%
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	407	2,557	-84.1%	0	0	0.0%	0	0	0.0%	2,586	10,344	-75.0%
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	66	-100.0%	0	0	0.0%	0	0	0.0%	15	174	-91.4%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	506	1,032	-51.0%	0	0	0.0%	0	0	0.0%	2,998	5,202	-42.4%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	270	3,646	-92.6%	0	0	0.0%	0	0	0.0%	2,186	11,472	-80.9%
PETRO CRK&SPRD EURO	FBT	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	60	-	-
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0	0	0	155	-100.0%	0	0	0.0%	0	0	0.0%	282	530	-46.8%

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 MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	84	-100.0%	
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	30	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	-100.0%	0	0	0.0%	0	0	0.0%	10	133	-92.5%	
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	58	102	-43.1%	
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	282	1,799	-84.3%	0	0	0.0%	0	0	0.0%	2,681	8,872	-69.8%	
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	51	30	70.0%	
PETROLEUM PRODUCTS	1NM	0	-	-	0	-	240	-	-	0	-	-	0	-	-	433	-	-	
PETROLEUM PRODUCTS	EWB	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	3,200	2,486	28.7%	0	0	0.0%	0	0	0.0%	16,361	24,685	-33.7%	
PETROLEUM PRODUCTS	JCC	0	-	-	0	-	20	-	-	0	-	-	0	-	-	20	-	-	
PETROLEUM PRODUCTS	MBS	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROLEUM PRODUCTS	MGS	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROLEUM PRODUCTS	MME	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%	
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	50	250	-80.0%	0	0	0.0%	0	0	0.0%	185	853	-78.3%	
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	20	-100.0%	0	0	0.0%	0	0	0.0%	50	394	-87.3%	
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	1,925	1,764	9.1%	0	0	0.0%	0	0	0.0%	8,485	11,246	-24.6%	
PETROLEUM PRODUCTS ASIA	MSB	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0	78	0	0.0%	0	0	0.0%	0	0	0.0%	98	50	96.0%	
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	0	0.0%	
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	2,133	1,862	14.6%	0	0	0.0%	0	0	0.0%	7,121	6,695	6.4%	
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	51	149	-65.8%	
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	439	728	-39.7%	0	0	0.0%	0	0	0.0%	2,117	3,163	-33.1%	
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	15	-66.7%	
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETRO OUTRIGHT EURO	5L	0	0	0.0%	0	0	60	45	33.3%	0	0	0.0%	0	0	0.0%	193	134	44.0%	
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	5	107	-95.3%	
PETRO OUTRIGHT EURO	6L	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETRO OUTRIGHT EURO	7I	0	0	0.0%	0	0	125	33	278.8%	0	0	0.0%	0	0	0.0%	519	462	12.3%	
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	99	380	-73.9%	0	0	0.0%	0	0	0.0%	1,030	1,610	-36.0%	
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	95	-100.0%	
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	55	-100.0%	
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	0	0.0%	
PETRO OUTRIGHT EURO	CPB	0	0	0.0%	0	0	60	496	-87.9%	0	0	0.0%	0	0	0.0%	1,352	2,983	-54.7%	

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Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 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	EFF	0	0	0.0%	0	0	0	0	8	-100.0%	0	0	0.0%	0	0	0.0%	110	101	8.9%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	3	0	0.0%	0	0	0.0%	0	0	0.0%	25	0	0.0%
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	0	0	0	40	10	300.0%	0	0	0.0%	0	0	0.0%	95	65	46.2%
PETRO OUTRIGHT EURO	ESB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	0	369	619	-40.4%	0	0	0.0%	0	0	0.0%	3,239	3,441	-5.9%
PETRO OUTRIGHT EURO	FBD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	FLB	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	6	-	-
PETRO OUTRIGHT EURO	GES	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
PETRO OUTRIGHT EURO	H5G	0	-	-	0	-	0	60	-	-	0	-	0	-	-	0	60	-	-
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	161	-100.0%
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	0	570	1,092	-47.8%	0	0	0.0%	0	0	0.0%	1,846	6,591	-72.0%
PETRO OUTRIGHT EURO	MEF	0	-	-	0	-	0	396	-	-	0	-	0	-	-	0	1,819	-	-
PETRO OUTRIGHT EURO	R53	0	-	-	0	-	0	12	-	-	0	-	0	-	-	0	24	-	-
PETRO OUTRIGHT EURO	R5M	0	-	-	0	-	0	256	-	-	0	-	0	-	-	0	260	-	-
PETRO OUTRIGHT EURO	R5O	0	-	-	0	-	0	6	-	-	0	-	0	-	-	0	121	-	-
PETRO OUTRIGHT EURO	S5M	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	52	-	-
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	125	328	-61.9%
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0	0	0	9	-100.0%	0	0	0.0%	0	0	0.0%	0	9	-100.0%
PETRO OUTRIGHT EURO	T2B	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	15	-	-
PETRO OUTRIGHT EURO	ULB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	980	-100.0%
PETRO OUTRIGHT EURO	X0	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0	0	32	254	-87.4%	0	0	0.0%	0	0	0.0%	164	503	-67.4%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	69	-100.0%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	0	4,200	1,800	133.3%	0	0	0.0%	0	0	0.0%	12,775	11,480	11.3%
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	0	1,525	0	0.0%	0	0	0.0%	0	0	0.0%	4,200	2,460	70.7%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	0	40	-100.0%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	155	264	-41.3%	0	0	0.0%	0	0	0.0%	1,012	1,494	-32.3%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	2,234	4,709	-52.6%	0	0	0.0%	0	0	0.0%	13,488	20,122	-33.0%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	0	70	-100.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	163	0	0.0%	0	0	0.0%	0	0	0.0%	523	55	850.9%
PETRO OUTRIGHT NA	NYT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	XER	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-

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Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 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 AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	23,360	0	0.0%	0	0	0.0%	0	0	0.0%	93,480	28,032	233.5%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	1,285	0	0.0%	0	0	0.0%	0	0	0.0%	2,560	7,513	-65.9%
PJM AECO DA OFF-PEAK	X1	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM AECO DA PEAK	Y1	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM APS ZONE DA OFF-PEAK	W4	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM APS ZONE DA PEAK	S4	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM ATSI ELEC	MOD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAILY	JD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM JCPL DA OFF-PEAK	F2	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM JCPL DA PEAK	J2	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0	0	1,285	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	23,360	0	0.0%	0	0	0.0%	0	0	0.0%	23,360	0	0.0%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	22	-100.0%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK CA	4N	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	-
PJM PPL DA OFF-PEAK	F5	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM PPL DA PEAK	L5	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	78,410	-100.0%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,250	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	0	0	97,720	-100.0%	0	0	0.0%	0	0	0.0%	23,400	270,800	-91.4%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	0	19,941	1,715	1,062.7%	0	0	0.0%	0	0	0.0%	39,920	36,169	10.4%
PLASTICS	PGP	0	0	0.0%	0	0	0	760	410	85.4%	0	0	0.0%	0	0	0.0%	4,125	1,932	113.5%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	50	112	-55.4%	0	0	0.0%	0	0	0.0%	710	1,438	-50.6%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	0	84	-100.0%	0	0	0.0%	0	0	0.0%	18	249	-92.8%

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Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
PREM UNL GAS 10PPM RDAM F	7N	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	80	-75.0%	
PREM UNL GAS 10PPM RDAM F	7L	0	0	0.0%	0	0	0	54	-100.0%	0	0	0.0%	0	0	0.0%	30	64	-53.1%	
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	75	-81.5%	0	0	0.0%	0	0	0.0%	8,249	2,656	210.6%	
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	15,918	-12.8%	0	0	0.0%	0	0	0.0%	88,437	60,943	45.1%	
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	9,901	4,767	107.7%	0	0	0.0%	0	0	0.0%	34,415	22,250	54.7%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	2,100	2,710	-22.5%	0	0	0.0%	0	0	0.0%	6,645	7,178	-7.4%
RBOB CRACK SPREAD BALMO	1E	0	0	0.0%	0	0	0	25	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	805	1,526	-47.2%	0	0	0.0%	0	0	0.0%	5,106	6,788	-24.8%
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	1,150	-93.5%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	31	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	360	-100.0%
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	10	113	-91.2%	0	0	0.0%	0	0	0.0%	73	295	-75.3%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	26	579	-95.5%	0	0	0.0%	0	0	0.0%	224	988	-77.3%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	3,620	12,793	-71.7%	0	0	0.0%	0	0	0.0%	15,961	40,314	-60.4%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	206	1,798	-88.5%	0	0	0.0%	0	0	0.0%	1,527	5,162	-70.4%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	28	758	-96.3%	0	0	0.0%	0	0	0.0%	273	4,898	-94.4%
SINGAPORE GASOIL	MAF	0	-	-	0	-	-	1,598	-	-	0	-	0	-	-	8,739	-	-	
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	52	90	-42.2%	0	0	0.0%	0	0	0.0%	243	358	-32.1%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	3,469	4,448	-22.0%	0	0	0.0%	0	0	0.0%	17,970	24,778	-27.5%
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%
SINGAPORE GASOIL CALEND	GDL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	250	-100.0%
SINGAPORE GASOIL CALEND	GHS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL CALEND	MGO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	200	-100.0%
SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	0	174	180	-3.3%	0	0	0.0%	0	0	0.0%	863	4,099	-78.9%
SINGAPORE GASOIL CALEND	SGG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	325	-100.0%
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	1	-1	558	1,315	-57.6%	0	0	0.0%	0	2	-100.0%	5,479	22,481	-75.6%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	0	12,675	-100.0%	0	0	0.0%	0	0	0.0%	4,340	86,735	-95.0%
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	165	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	0	3,225	-100.0%	0	0	0.0%	0	0	0.0%	100	22,520	-99.6%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	400	550	-27.3%	0	0	0.0%	0	0	0.0%	2,985	5,395	-44.7%
SINGAPORE JET KERO VS. GAS	ZO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%

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Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	0	650	-100.0%	0	0	0.0%	0	0	0.0%	1,375	2,313	-40.6%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	1	-1	4,532	8,579	-47.2%	0	0	0.0%	0	2	-100.0%	70,932	72,282	-1.9%
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	10	-100.0%	0	0	0.0%	0	0	0.0%	0	65	-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	130	0	0.0%	0	0	0.0%	0	0	0.0%	1,110	548	102.6%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	225	0	0.0%	0	0	0.0%	0	0	0.0%	1,745	240	627.1%
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	6,975	945	638.1%	0	0	0.0%	0	0	0.0%	21,961	2,910	654.7%
TENNESSEE 500 LEG BASIS S	NM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TENNESSEE 800 LEG NG BASI	6Z	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
TETCO M-3 INDEX	IX	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Tetco STX Basis	TX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
TEXAS EASTERN ZONE M-3 BA	NX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Transco Zone 3 Basis	CZ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 3 NG INDEX S	Y6	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TRANSCO ZONE4 BASIS SWAP	TR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 4 NAT GAS IN	B2	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 INDEX	IT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
UCM FUT	UCM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	50	-60.0%
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	20	8,865	-1	0	0	0.0%	0	0	0.0%	3,149	23,795	-86.8%	0	0	0.0%
ULSD 10PPM CIF MED SWAP	Z6	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	14	-100.0%
ULSD 10PPM CIF NW BALMO S	B1	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	0	4,475	7,275	-38.5%	0	0	0.0%	0	0	0.0%	27,945	27,040	3.3%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	38,337	32,294	18.7%	0	0	0.0%	0	0	0.0%	141,836	171,146	-17.1%

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Energy Futures																			
WAHA BASIS	NW	0	0	0.0%	0	0	0	150	276	-45.7%	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	0	0.0%	0	0	0.0%	0	0	0.0%	0	15	-100.0%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	864	6,300	-86.3%
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	0	40,822	39,023	4.6%	0	0	0.0%	0	0	0.0%	181,030	191,197	-5.3%
WTI CALENDAR	CS	0	0	0.0%	0	0	0	40,368	28,973	39.3%	0	0	0.0%	0	0	0.0%	232,350	182,526	27.3%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	13,779	4,393	213.7%	0	0	0.0%	0	0	0.0%	26,832	40,260	-33.4%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	780	90	766.7%	0	0	0.0%	0	0	0.0%	4,758	1,362	249.3%
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	2,100	400	425.0%	0	0	0.0%	0	0	0.0%	2,340	1,540	51.9%
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%	300	500	-0.4	750	61,130	-98.8%	0	0	0.0%	300	2,300	-87.0%	30,850	314,074	-90.2%
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	69,500	55,880	24.4%	0	0	0.0%	0	0	0.0%	244,299	142,044	72.0%
BRENT OIL LAST DAY	BZO	0	0	0.0%	105,021	49,587	1.12	52,536	88,173	-40.4%	0	0	0.0%	354,862	206,495	71.9%	174,147	386,114	-54.9%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	40	-100.0%	0	1,000	-100.0%
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	50	890	-94.4%	0	0	0.0%	0	0	0.0%	135	3,855	-96.5%
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	0	955	-100.0%	0	0	0.0%	0	0	0.0%	510	2,005	-74.6%
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%	14,000	10,500	0.33	289,200	287,950	0.4%	0	0	0.0%	34,361	81,110	-57.6%	1,275,300	968,600	31.7%
CRUDE OIL APO	AO	0	0	0.0%	0	135	-1	27,784	66,360	-58.1%	0	0	0.0%	3	301	-99.0%	261,381	295,110	-11.4%
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	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	DBP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

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Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Options																			
CRUDE OIL OUTRIGHTS	WCI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	960	0	0.0%	
CRUDE OIL PHY	CD	0	0	0.0%	0	0	300	10,275	-97.1%	0	0	0.0%	0	0	0.0%	1,150	17,300	-93.4%	
CRUDE OIL PHY	LC	0	0	0.0%	0	24	13,441	9,780	37.4%	0	0	0.0%	0	724	-100.0%	53,806	62,371	-13.7%	
CRUDE OIL PHY	LO	0	0	0.0%	3,182,346	3,213,736	438,888	721,646	-39.2%	0	0	0.0%	10,950,264	15,427,647	-29.0%	2,053,733	3,425,548	-40.0%	
CRUDE OIL PHY	LO1	0	0	0.0%	15,884	24,883	0	25	-100.0%	0	0	0.0%	85,147	72,995	16.6%	200	75	166.7%	
CRUDE OIL PHY	LO2	0	0	0.0%	14,128	23,482	0	100	-100.0%	0	0	0.0%	85,715	78,795	8.8%	100	150	-33.3%	
CRUDE OIL PHY	LO3	0	0	0.0%	10,304	8,880	100	0	0.0%	0	0	0.0%	37,076	56,470	-34.3%	400	325	23.1%	
CRUDE OIL PHY	LO4	0	0	0.0%	20,723	22,608	0	0	0.0%	0	0	0.0%	82,208	80,449	2.2%	0	50	-100.0%	
CRUDE OIL PHY	LO5	0	0	0.0%	18,688	62	0	0	0.0%	0	0	0.0%	37,864	13,114	188.7%	400	225	77.8%	
ELEC MISO PEAK	9T	-	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	150	-100.0%	0	0	0.0%	0	0	0.0%	0	150	-100.0%	
ETHANOL SWAP	CVR	0	0	0.0%	0	0	11,608	10,285	12.9%	0	0	0.0%	0	0	0.0%	42,817	42,152	1.6%	
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	90	-100.0%	0	0	0.0%	0	0	0.0%	780	1,773	-56.0%	
EUROPEAN JET KEROSENE N	30	-	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%	
HEATING OIL CRACK OPTIONS	CH	-	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%	
HEATING OIL PHY	LB	0	0	0.0%	2	0	70	620	-88.7%	0	0	0.0%	2	0	0.0%	746	620	20.3%	
HEATING OIL PHY	OH	0	0	0.0%	5,122	4,712	35,520	21,204	67.5%	0	0	0.0%	21,180	32,185	-34.2%	118,982	128,240	-7.2%	
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	9,252	3,411	171.2%	0	0	0.0%	0	5	-100.0%	39,222	17,854	119.7%	
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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	135	-100.0%	0	0	0.0%	0	0	0.0%	130	225	-42.2%	
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0	100	150	-33.3%	0	0	0.0%	0	0	0.0%	370	1,875	-80.3%	
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%	0	0	19,475	10,250	90.0%	0	0	0.0%	2,870	1	286,900.0%	191,105	222,941	-14.3%	
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	75	0	0.0%	0	0	0.0%	0	0	0.0%	1,825	0	0.0%	
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	15,100	15,150	-0.3%	0	0	0.0%	0	1	-100.0%	45,700	29,445	55.2%	
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	250	0	0.0%	0	0	0.0%	0	0	0.0%	250	2,550	-90.2%	
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	4,100	2,000	105.0%	0	0	0.0%	0	0	0.0%	32,475	65,650	-50.5%	
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	600	900	-33.3%	0	0	0.0%	0	0	0.0%	8,300	19,308	-57.0%	
NATURAL GAS PHY	KD	0	0	0.0%	438	13,505	650	10,040	-93.5%	0	0	0.0%	1,920	72,806	-97.4%	7,375	42,365	-82.6%	

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Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Options																			
NATURAL GAS PHY	LN	0	0	0.0%	630,428	858,047	-0.27	680,008	657,253	3.5%	0	0	0.0%	3,646,178	5,833,868	-37.5%	3,343,301	4,025,523	-16.9%
NATURAL GAS PHY	ON	0	0	0.0%	95,933	159,933	-0.4	1,150	7,833	-85.3%	0	0	0.0%	593,243	849,688	-30.2%	25,179	55,529	-54.7%
NATURAL GAS WINTER STRIP	6I	0	-	-	0	-	1,300	-	-	0	-	-	0	-	-	1,300	-	-	
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	546	736	-25.8%	0	0	0.0%	0	0	0.0%	1,572	736	113.6%	
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	67	104	-0.36	6,624	3,791	74.7%	0	0	0.0%	211	261	-19.2%	11,354	15,377	-26.2%
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	0.0%	
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%	10	0	0	10	708	-98.6%	0	0	0.0%	10	5	100.0%	1,854	2,836	-34.6%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	200	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	0.0%	160	0	0.0%
PETROCHEMICALS	CPR	0	0	0.0%	0	0	0	40	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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	160	250	-36.0%
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	1,064	-100.0%	0	0	0.0%	0	0	0.0%	836	5,339	-84.3%
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	500	-70.0%
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0	0	0	55	-100.0%	0	0	0.0%	0	0	0.0%	237	965	-75.4%
RBOB CRACK	RX	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
RBOB PHY	OB	0	0	0.0%	3,698	3,900	-0.05	15,076	9,905	52.2%	0	0	0.0%	17,743	23,229	-23.6%	68,085	37,010	84.0%
RBOB PHY	RF	0	0	0.0%	6	0	0	490	0	0.0%	0	0	0.0%	6	0	0.0%	1,006	125	704.8%
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	910	336	170.8%	0	0	0.0%	0	0	0.0%	910	1,236	-26.4%
SHORT TERM	C15	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
SHORT TERM	U11	0	0	0.0%	0	1	-1	0	650	-100.0%	0	0	0.0%	0	1	-100.0%	250	950	-73.7%
SHORT TERM	U12	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	85	-100.0%	700	450	55.6%
SHORT TERM	U13	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
SHORT TERM	U14	0	0	0.0%	0	3	-1	0	100	-100.0%	0	0	0.0%	0	13	-100.0%	50	725	-93.1%
SHORT TERM	U15	0	0	0.0%	0	2	-1	0	0	0.0%	0	0	0.0%	25	127	-80.3%	800	150	433.3%
SHORT TERM	U22	0	0	0.0%	0	36	-1	0	0	0.0%	0	0	0.0%	1	36	-97.2%	0	1,025	-100.0%
SHORT TERM	U23	0	0	0.0%	17	0	0	0	0	0.0%	0	0	0.0%	17	80	-78.8%	0	500	-100.0%
SHORT TERM	U24	0	0	0.0%	0	126	-1	0	200	-100.0%	0	0	0.0%	0	126	-100.0%	0	300	-100.0%

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Energy Options																			
SHORT TERM	U25	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
SHORT TERM	U26	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	225	-100.0%	0	0	0.0%	25	0	0.0%	500	350	42.9%	
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	200	-100.0%	0	0	0.0%	0	75	-100.0%	0	1,100	-100.0%	
SHORT TERM NATURAL GAS	U03	0	0	0.0%	4	0	0	400	625	-36.0%	0	0	0.0%	4	30	-86.7%	400	725	-44.8%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	25	-1	0	100	-100.0%	0	0	0.0%	0	25	-100.0%	600	350	71.4%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	0	80	-100.0%	0	0	0.0%	0	25	-100.0%	200	680	-70.6%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	450	-88.9%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	600	550	9.1%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	500	1,375	-63.6%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	34	-100.0%	100	700	-85.7%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	0	500	-100.0%	0	0	0.0%	0	0	0.0%	0	700	-100.0%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	12	-1	0	0	0.0%	0	0	0.0%	0	47	-100.0%	100	550	-81.8%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	10	-1	0	1,750	-100.0%	0	0	0.0%	0	80	-100.0%	0	2,200	-100.0%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	22	-1	0	0	0.0%	0	0	0.0%	25	22	13.6%	0	500	-100.0%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	60	-100.0%	0	125	-100.0%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	3	-1	0	200	-100.0%	0	0	0.0%	0	3	-100.0%	50	200	-75.0%
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	100	-100.0%	0	0	0.0%	0	0	0.0%	0	400	-100.0%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	200	100	100.0%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	850	0	0.0%
SINGAPORE GASOIL CALEND	M2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEND	N2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	ZN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
WTI-BRENT BULLET SWAP	BV	0	0	0.0%	4,900	3,990	0.23	45,250	92,001	-50.8%	0	0	0.0%	26,555	132,811	-80.0%	255,375	489,668	-47.8%
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	500	2,200	-0.77	47,915	80,500	-40.5%	0	0	0.0%	8,600	13,150	-34.6%	301,115	390,600	-22.9%

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Metals Futures																			
COMEX GOLD	GC	0	0	0.0%	6,927,853	8,367,130	-0.17	214,858	309,456	-30.6%	0	0	0.0%	28,266,724	37,232,947	-24.1%	940,208	1,375,224	-31.6%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	6,447	3,628	0.78	21,968	5,859	274.9%	0	0	0.0%	19,660	15,653	25.6%	77,932	35,070	122.2%
NYMEX PLATINUM	PL	0	0	0.0%	394,386	378,641	0.04	20,438	13,685	49.3%	0	0	0.0%	2,106,826	2,112,649	-0.3%	86,377	56,683	52.4%
PALLADIUM	PA	0	0	0.0%	124,788	123,276	0.01	5,051	3,996	26.4%	0	0	0.0%	575,712	610,676	-5.7%	18,469	26,287	-29.7%
URANIUM	UX	0	0	0.0%	54	0	0	1,121	100	1,021.0%	0	0	0.0%	361	79	357.0%	7,489	933	702.7%
COMEX SILVER	SI	0	0	0.0%	1,447,190	1,658,041	-0.13	29,075	44,164	-34.2%	0	0	0.0%	7,912,443	10,210,927	-22.5%	212,480	301,663	-29.6%
COMEX E-Mini GOLD	QO	0	0	0.0%	14,787	6,960	1.12	0	0	0.0%	0	0	0.0%	43,533	35,505	22.6%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	5,823	898	5.48	0	0	0.0%	0	0	0.0%	16,503	5,857	181.8%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	2,067,835	2,535,731	-0.18	14,392	27,207	-47.1%	0	0	0.0%	10,427,658	13,786,712	-24.4%	103,704	139,552	-25.7%
COMEX MINY COPPER	QC	0	0	0.0%	435	363	0.2	0	0	0.0%	0	0	0.0%	2,887	2,762	4.5%	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	840	2,804	-70.0%	0	0	0.0%	55	0	0.0%	8,650	9,840	-12.1%
ALUMINUM	ALA	0	0	0.0%	0	0	0	120	775	-84.5%	0	0	0.0%	0	0	0.0%	240	3,700	-93.5%
ALUMINUM	ALI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ALUMINUM	AUP	0	0	0.0%	777	748	0.04	6,998	7,732	-9.5%	0	0	0.0%	3,730	3,952	-5.6%	29,254	54,986	-46.8%
ALUMINUM	CUP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	0	180	-100.0%
ALUMINUM	EDP	0	0	0.0%	0	0	0	1,140	1,785	-36.1%	0	0	0.0%	72	5	1,340.0%	10,092	8,472	19.1%
ALUMINUM	MJP	0	0	0.0%	0	56	-1	1,440	120	1,100.0%	0	0	0.0%	0	56	-100.0%	4,200	7,419	-43.4%
COPPER	HGS	0	0	0.0%	0	0	0	2,002	50	3,904.0%	0	0	0.0%	0	0	0.0%	5,649	10,123	-44.2%
E-MICRO GOLD	MGC	0	0	0.0%	174,099	148,719	0.17	0	0	0.0%	0	0	0.0%	977,690	667,871	46.4%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	666	21	30.71	257	1,085	-76.3%	0	0	0.0%	2,967	67	4,328.4%	3,383	10,233	-66.9%
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	33	-1	5,679	5,316	6.8%	0	0	0.0%	28	59	-52.5%	35,006	19,704	77.7%
LNDN ZINC	ZNC	0	0	0.0%	108	137	-0.21	0	0	0.0%	0	0	0.0%	1,194	177	574.6%	0	0	0.0%
SILVER	SIL	0	0	0.0%	14,325	5,546	1.58	0	0	0.0%	0	0	0.0%	76,926	34,814	121.0%	0	0	0.0%



NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 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%	38,755	12,674	2.06	12,243	8,626	41.9%	0	0	0.0%	202,688	71,797	182.3%	104,435	31,719	229.3%
COMEX GOLD	OG	0	0	0.0%	867,456	788,716	0.1	134,659	183,908	-26.8%	0	0	0.0%	3,778,108	3,831,784	-1.4%	969,072	983,562	-1.5%
COMEX SILVER	SO	0	0	0.0%	110,521	121,941	-0.09	7,726	19,216	-59.8%	0	0	0.0%	522,871	634,586	-17.6%	91,294	97,771	-6.6%
COPPER	H1E	0	-	-	17	-	0	-	-	0	-	-	117	-	-	0	-	-	
COPPER	H2E	0	-	-	222	-	0	-	-	0	-	-	269	-	-	0	-	-	
COPPER	H3E	0	-	-	28	-	0	-	-	0	-	-	55	-	-	0	-	-	
COPPER	H4E	0	0	0.0%	11	11	0	0	0	0.0%	0	0	0.0%	43	11	290.9%	0	0	0.0%
COPPER	H5E	0	-	-	10	-	0	-	-	0	-	-	20	-	-	0	-	-	
GOLD	OG1	0	0	0.0%	16,457	11,553	0.42	1,300	600	116.7%	0	0	0.0%	107,383	51,765	107.4%	4,350	1,460	197.9%
GOLD	OG2	0	0	0.0%	34,842	10,092	2.45	3,000	300	900.0%	0	0	0.0%	118,977	39,946	197.8%	8,700	2,970	192.9%
GOLD	OG3	0	0	0.0%	18,026	11,844	0.52	0	150	-100.0%	0	0	0.0%	85,683	44,926	90.7%	5,154	3,700	39.3%
GOLD	OG4	0	0	0.0%	19,308	4,069	3.75	1,850	0	0.0%	0	0	0.0%	56,124	26,330	113.2%	2,450	1,250	96.0%
GOLD	OG5	0	0	0.0%	13,490	0	0	1,450	0	0.0%	0	0	0.0%	26,713	6,835	290.8%	1,950	0	0.0%
HOT ROLLED COIL STEEL CALL	HRO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	600	0	0.0%
IRON ORE 62 CHINA TSI CALL C	ICT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6,660	200	3,230.0%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,600	1,080	233.3%
NYMEX PLATINUM	PO	0	0	0.0%	2,609	1,307	1	2,000	1,930	3.6%	0	0	0.0%	7,648	7,105	7.6%	11,551	8,666	33.3%
PALLADIUM	PAO	0	0	0.0%	454	1,337	-0.66	704	875	-19.5%	0	0	0.0%	2,949	8,967	-67.1%	3,674	7,607	-51.7%
SILVER	SO1	0	0	0.0%	1,516	119	11.74	0	0	0.0%	0	0	0.0%	4,850	740	555.4%	200	0	0.0%
SILVER	SO2	0	0	0.0%	780	317	1.46	0	0	0.0%	0	0	0.0%	3,934	667	489.8%	200	0	0.0%
SILVER	SO3	0	0	0.0%	912	207	3.41	0	0	0.0%	0	0	0.0%	5,339	965	453.3%	100	0	0.0%
SILVER	SO4	0	0	0.0%	575	109	4.28	0	0	0.0%	0	0	0.0%	2,131	474	349.6%	0	0	0.0%
SILVER	SO5	0	0	0.0%	562	0	0	0	0	0.0%	0	0	0.0%	1,867	133	1,303.8%	0	0	0.0%
TOTAL FUTURES GROUP																			
Ag Products Futures		0	0	0.0%	6	0	0.0%	0	0	0.0%	0	0	0.0%	9	65	-86.2%	0	0	0.0%
Energy Futures		0	0	0.0%	46,903,934	49,795,200	-5.8%	2,820,566	2,972,100	-5.1%	0	0	0.0%	212,122,428	233,065,592	-9.0%	13,267,261	14,911,922	-11.0%
Metals Futures		0	0	0.0%	11,179,573	13,229,928	-15.5%	325,379	424,134	-23.3%	0	0	0.0%	50,434,969	64,720,929	-22.1%	1,543,155	2,060,069	-25.1%
TOTAL FUTURES		0	0	0.0%	58,083,513	63,025,128	-7.8%	3,145,945	3,396,234	-7.4%	0	0	0.0%	262,557,406	297,786,586	-11.8%	14,810,416	16,971,991	-12.7%

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 2018	% CHG	CME ClearPort MAY 2019	CME ClearPort MAY 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%	4,122,519	4,401,028	-6.3%	1,791,568	2,237,311	-19.9%	0	0	0.0%	15,986,440	22,979,344	-30.4%	8,611,496	11,246,143	-23.4%
Metals Options	0	0	0.0%	1,126,551	964,296	16.8%	164,932	215,605	-23.5%	0	0	0.0%	4,927,769	4,727,031	4.2%	1,213,990	1,139,985	6.5%
TOTAL OPTIONS	0	0	0.0%	5,249,070	5,365,324	-2.2%	1,956,500	2,452,916	-20.2%	0	0	0.0%	20,914,209	27,706,375	-24.5%	9,825,486	12,386,128	-20.7%
TOTAL COMBINED																		
Ag Products	0	0	0.0%	6	0	0.0%	0	0	0.0%	0	0	0.0%	9	65	-86.2%	0	0	0.0%
Energy	0	0	0.0%	51,026,453	54,196,228	-5.8%	4,612,134	5,209,411	-11.5%	0	0	0.0%	228,108,868	256,044,936	-10.9%	21,878,757	26,158,065	-16.4%
Metals	0	0	0.0%	12,306,124	14,194,224	-13.3%	490,311	639,739	-23.4%	0	0	0.0%	55,362,738	69,447,960	-20.3%	2,757,145	3,200,054	-13.8%
GRAND TOTAL	0	0	0.0%	63,332,583	68,390,452	-7.4%	5,102,445	5,849,150	-12.8%	0	0	0.0%	283,471,615	325,492,961	-12.9%	24,635,902	29,358,119	-16.1%