

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Ag Products Futures</b>																			
COCOA TAS	CJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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%	0	0	0	0	0.0%	0	0	0.0%	3	2	50.0%	0	0	0.0%	
SUGAR 11	YO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
<b>Energy Futures</b>																			
CRUDE OIL PHY	CL	0	0	0.0%	23,364,624	24,567,490	-0.05	459,364	435,976	5.4%	0	0	0.0%	71,089,640	78,776,616	-9.8%	1,398,041	1,514,390	-7.7%
CRUDE OIL	WS	0	0	0.0%	0	0	0	7,441	500	1,388.2%	0	0	0.0%	0	89	-100.0%	15,630	4,250	267.8%
MINY WTI CRUDE OIL	QM	0	0	0.0%	367,006	308,522	0.19	0	0	0.0%	0	0	0.0%	1,255,616	833,333	50.7%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	1,839,053	1,765,269	0.04	38,537	55,848	-31.0%	0	0	0.0%	4,923,654	4,763,762	3.4%	132,619	122,536	8.2%
HEATING OIL PHY	HO	0	0	0.0%	3,148,851	3,524,466	-0.11	233,421	191,373	22.0%	0	0	0.0%	9,143,123	11,458,942	-20.2%	710,545	625,688	13.6%
HTG OIL	BH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MINY HTG OIL	QH	0	0	0.0%	4	3	0.33	0	0	0.0%	0	0	0.0%	10	10	0.0%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	4,729,851	3,765,422	0.26	319,400	227,440	40.4%	0	0	0.0%	11,897,826	11,413,197	4.2%	739,685	685,239	7.9%
MINY RBOB GAS	QU	0	0	0.0%	9	2	3.5	0	0	0.0%	0	0	0.0%	21	9	133.3%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	35,804	49,892	-0.28	45,769	51,668	-11.4%	0	0	0.0%	125,069	221,367	-43.5%	211,410	272,603	-22.4%
LTD NAT GAS	HH	0	0	0.0%	149,068	167,073	-0.11	127,717	141,314	-9.6%	0	0	0.0%	524,115	775,345	-32.4%	489,073	457,977	6.8%
MINY NATURAL GAS	QG	0	0	0.0%	20,240	19,917	0.02	0	24	-100.0%	0	0	0.0%	85,328	115,105	-25.9%	0	24	-100.0%
PJM MONTHLY	JM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	0	0	0.0%	5,808,408	7,059,462	-0.18	266,325	228,025	16.8%	0	0	0.0%	21,746,267	28,915,630	-24.8%	827,508	1,014,627	-18.4%
RBOB GAS	RT	0	0	0.0%	0	0	0	0	1,920	-100.0%	0	0	0.0%	0	0	0.0%	0	11,200	-100.0%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	5	39	-87.2%	0	0	0.0%	0	0	0.0%	5	349	-98.6%
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	0	0.0%
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	14,930	18,572	-19.6%	0	0	0.0%	0	30	-100.0%	47,525	89,385	-46.8%

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<b>Energy Futures</b>																			
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	6,659	7,284	-8.6%	0	0	0.0%	0	0	0.0%	19,462	20,140	-3.4%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	2,822	2,877	-1.9%	0	0	0.0%	0	0	0.0%	9,002	7,979	12.8%
AUSTRIALIAN COKE COAL	ACT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
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	223	0	0.0%	0	0	0.0%	0	0	0.0%	348	50	596.0%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	1,683	796	111.4%	0	0	0.0%	0	0	0.0%	10,261	3,002	241.8%
BRENT CFD SWAP	6W	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	0	6,500	-100.0%	0	0	0.0%	0	0	0.0%	3,500	10,500	-66.7%
BRENT FINANCIAL FUTURES	MBC	0	-	-	0	-	-	60	-	-	0	-	-	0	-	-	60	-	-
BRENT FINANCIAL FUTURES	MDB	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	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%	43	474	-0.91	131,256	110,827	18.4%	0	0	0.0%	464	760	-38.9%	324,260	330,235	-1.8%
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	150	180	-16.7%	0	0	0.0%	0	0	0.0%	1,831	1,074	70.5%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	0	225	-100.0%	0	0	0.0%	0	0	0.0%	515	525	-1.9%
CIG BASIS	CI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	140	-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	260	1,056	-75.4%	0	0	0.0%	0	0	0.0%	2,216	3,504	-36.8%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	3,920	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	135	-100.0%	0	0	0.0%	0	0	0.0%	0	150	-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%	0	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	85	48	77.1%	0	0	0.0%	0	0	0.0%	844	500	68.8%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	323	110	193.6%	0	0	0.0%	0	0	0.0%	513	190	170.0%

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<b>Energy Futures</b>																		
CONWAY PROPANE 5 DECIMAL	8K	0	0.0%	0	0	0	11,171	17,872	-37.5%	0	0	0.0%	0	6	-100.0%	42,374	46,627	-9.1%
CRUDE OIL	LPS	0	0.0%	0	0	0	2,175	5,000	-56.5%	0	0	0.0%	0	0	0.0%	9,075	14,925	-39.2%
CRUDE OIL OUTRIGHTS	42	0	0.0%	0	0	0	56	241	-76.8%	0	0	0.0%	0	0	0.0%	1,582	539	193.5%
CRUDE OIL OUTRIGHTS	CC5	0	0.0%	0	0	0	90	0	0.0%	0	0	0.0%	0	0	0.0%	810	0	0.0%
CRUDE OIL OUTRIGHTS	CPD	0	0.0%	0	0	0	0	324	-100.0%	0	0	0.0%	0	0	0.0%	0	2,856	-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	1,080	0	0.0%	0	0	0.0%	50	0	0.0%	1,800	5	35,900.0%
CRUDE OIL OUTRIGHTS	DBL	0	0.0%	0	0	0	0	24	-100.0%	0	0	0.0%	0	0	0.0%	0	24	-100.0%
CRUDE OIL OUTRIGHTS	FE	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	276	105	162.9%
CRUDE OIL OUTRIGHTS	HTT	0	0.0%	0	0	0	68,250	35,996	89.6%	0	0	0.0%	0	0	0.0%	168,953	151,764	11.3%
CRUDE OIL OUTRIGHTS	LSW	0	0.0%	0	0	0	60	0	0.0%	0	0	0.0%	0	0	0.0%	2,065	230	797.8%
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	900	-100.0%	0	0	0.0%	0	0	0.0%	0	4,000	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	0.0%	0	0	0	0	2,538	-100.0%	0	0	0.0%	0	0	0.0%	0	5,554	-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	3,880	14,222	-72.7%	0	0	0.0%	0	0	0.0%	21,052	31,852	-33.9%
CRUDE OIL PHY	CLL	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	0	-	-	20,010	-	3,205	-	-	0	-	-	57,736	-	-	11,810	-	-
CRUDE OIL SPRDS	38	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,155	-100.0%
CRUDE OIL SPRDS	WTT	0	0.0%	0	0	0	13,289	36,801	-63.9%	0	0	0.0%	0	0	0.0%	56,711	178,570	-68.2%
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%
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%

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<b>Energy Futures</b>																			
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	400	-100.0%	0	0	0.0%	0	0	0.0%	600	2,060	-70.9%	
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	0	0.0%	
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0	0	125	-100.0%	0	0	0.0%	0	0	0.0%	0	125	-100.0%	
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0	873	758	15.2%	0	0	0.0%	0	0	0.0%	15,298	7,760	97.1%	
DUTCH TTF NATURAL GAS CAL	TTF	0	0	0.0%	11,512	1,225	8.4	0	5	-100.0%	0	0	0.0%	27,328	2,395	1,041.0%	0	10	-100.0%
DY EURO 3.5% FUEL OI RDA	FOR	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	0	120	-100.0%	
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	12	-100.0%	0	0	0.0%	0	0	0.0%	0	137	-100.0%	
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	40	86	-53.5%	0	0	0.0%	0	0	0.0%	1,028	440	133.6%	
ELEC ERCOT DLY OFF PK	I4	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	-	-	
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	630	-100.0%	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%	
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	0	0.0%	

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Futures</b>																			
ERCOT NORTH ZMCPE 5MW PE	I5	0	0	0.0%	0	0	0	630	-100.0%	0	0	0.0%	0	0	0.0%	0	4,610	-100.0%	
ETHANOL	MTH	0	-	-	0	-	0	-	-	0	-	-	0	-	-	10	-	-	
ETHANOL	Z1B	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
ETHANOL SWAP	MT2	0	0	0.0%	0	0	0	70	10	600.0%	0	0	0.0%	0	0	0.0%	210	10	2,000.0%
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	0	5,065	3,198	58.4%	0	0	0.0%	0	0	0.0%	13,434	9,127	47.2%
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	0	105	449	-76.6%	0	0	0.0%	0	0	0.0%	145	1,706	-91.5%
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	0	45	171	-73.7%	0	0	0.0%	0	0	0.0%	45	291	-84.5%
EURO-DENOMINATED PETRO P	NCP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	0	0	0	0	8	-100.0%	0	0	0.0%	0	0	0.0%	0	355	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0	0	0	90	-100.0%	0	0	0.0%	0	0	0.0%	94	258	-63.6%
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%	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	UI	0	0	0.0%	0	0	0	78	99	-21.2%	0	0	0.0%	0	0	0.0%	273	499	-45.3%
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	0	1,837	8,226	-77.7%	0	0	0.0%	0	0	0.0%	4,332	20,891	-79.3%
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	220	400	-0.45	0	0	0.0%	0	0	0.0%	428	934	-54.2%	0	0	0.0%
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	0	288	214	34.6%	0	0	0.0%	0	0	0.0%	757	896	-15.5%
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	0	6,398	6,483	-1.3%	0	0	0.0%	0	0	0.0%	17,107	28,923	-40.9%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	0	176	0	0.0%	0	0	0.0%	0	0	0.0%	748	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	0.0%	0	15	-100.0%
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	0	3,025	2,235	35.3%	0	0	0.0%	0	0	0.0%	7,273	11,268	-35.5%
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	0	2,897	1,979	46.4%	0	0	0.0%	0	0	0.0%	6,321	6,740	-6.2%
FLORIDA GAS ZONE3 BASIS S	FP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	0	44	234	-81.2%	0	0	0.0%	0	0	0.0%	430	448	-4.0%
FREIGHT MARKETS	FRC	0	0	0.0%	0	0	0	355	55	545.5%	0	0	0.0%	0	0	0.0%	370	185	100.0%
FREIGHT MARKETS	FRS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	T2D	0	0	0.0%	0	0	0	150	0	0.0%	0	0	0.0%	0	0	0.0%	1,875	488	284.2%
FREIGHT MARKETS	TC6	0	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	70	-	-	0	-	0	-	-	70	-	-	
FREIGHT MARKETS	TD8	0	-	-	0	-	0	0	-	-	0	-	0	-	-	60	-	-	
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	0	1,831	7,229	-74.7%	0	0	0.0%	0	0	0.0%	3,930	14,582	-73.0%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	156	-90.4%
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0	0	0	50	-100.0%	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%	0	45	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	0	171	273	-37.4%	0	0	0.0%	0	0	0.0%	729	974	-25.2%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Futures</b>																			
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	9,345	7,271	28.5%	0	0	0.0%	0	0	0.0%	23,769	23,470	1.3%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	12,886	21,980	-41.4%	0	0	0.0%	0	0	0.0%	31,067	69,960	-55.6%
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	10	-100.0%	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%
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	12	5	140.0%	0	0	0.0%	0	0	0.0%	24	45	-46.7%
GASOIL 10P CRG CIF NW VS	3V	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	15	12	25.0%	0	0	0.0%	0	0	0.0%	24	12	100.0%
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	0	6	-100.0%	0	0	0.0%	0	0	0.0%	54	12	350.0%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	150	2,084	-92.8%	0	0	0.0%	0	0	0.0%	462	22,517	-97.9%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	0	138	0	0.0%	0	0	0.0%	0	0	0.0%	592	426	39.0%
GERMAN POWER BASELOAD C	DEB	0	0	0.0%	4,944	501	8.87	0	0	0.0%	0	0	0.0%	5,937	1,872	217.1%	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%	0	115	-100.0%
GROUP THREE UNLEAD GAS (F	A9	0	-	-	0	-	-	0	-	-	0	-	0	-	-	-	0	-	-
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	0	2,575	2,530	1.8%	0	0	0.0%	0	0	0.0%	8,640	12,320	-29.9%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	0	4,885	1,990	145.5%	0	0	0.0%	0	0	0.0%	10,629	5,988	77.5%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	1,099	796	38.1%	0	0	0.0%	0	0	0.0%	2,670	4,549	-41.3%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	51	42	21.4%	0	0	0.0%	0	0	0.0%	267	297	-10.1%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	20,270	47,433	-57.3%	0	0	0.0%	0	0	0.0%	55,846	156,319	-64.3%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	22,736	64,242	-64.6%	0	0	0.0%	0	0	0.0%	80,005	180,796	-55.7%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	283	2,377	-88.1%	0	0	0.0%	0	0	0.0%	918	4,818	-80.9%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	183	80	128.8%	0	0	0.0%	0	0	0.0%	1,113	554	100.9%
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	0	1,195	-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%	10	56	-82.1%
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	0	360	-100.0%	0	0	0.0%	0	0	0.0%	0	4,952	-100.0%
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	1,367	-1	0	0	0.0%	0	0	0.0%	0	4,068	-100.0%	0	0	0.0%
HENRY HUB FINANCIAL LAST	TTE	0	0	0.0%	0	464	-1	0	0	0.0%	0	0	0.0%	0	595	-100.0%	0	0	0.0%
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	0	360	-100.0%	0	0	0.0%	0	0	0.0%	0	4,952	-100.0%
HENRY HUB SWAP	NN	0	0	0.0%	0	10,340	-1	59,967	121,815	-50.8%	0	0	0.0%	122	13,792	-99.1%	379,196	501,597	-24.4%
HOUSTON SHIP CHANNEL BASI	NH	0	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 MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Futures</b>																			
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	1,015	9,914	-89.8%	0	0	0.0%	0	0	0.0%	15,125	29,774	-49.2%
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	1,053	90	1,070.0%	0	0	0.0%	0	0	0.0%	1,433	120	1,094.2%
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	135	-100.0%	0	0	0.0%	0	0	0.0%	0	690	-100.0%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	1,683	1,530	10.0%	0	0	0.0%	0	0	0.0%	4,352	5,933	-26.6%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	92	15	513.3%	0	0	0.0%	0	0	0.0%	271	103	163.1%
JET AV FUEL (P) CAR FM ICE G	1V	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	70	400	-82.5%
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	2,740	10,604	-74.2%	0	0	0.0%	0	0	0.0%	9,649	25,784	-62.6%
JKM LNG Futures	JKM	0	0	0.0%	0	0	0	3,929	1,150	241.7%	0	0	0.0%	0	0	0.0%	5,304	1,445	267.1%
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	125	225	-44.4%	0	0	0.0%	0	0	0.0%	285	675	-57.8%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	375	475	-21.1%	0	0	0.0%	0	0	0.0%	1,575	1,825	-13.7%
LA JET FUEL VS NYM NO 2 H	MQ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	0	1,025	2,075	-50.6%	0	0	0.0%	0	0	0.0%	3,775	6,900	-45.3%
LLS (ARGUS) CALENDAR SWAP	XA	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	0	3,910	6,713	-41.8%	0	0	0.0%	0	0	0.0%	9,188	13,137	-30.1%
LOS ANGELES CARB GASOLIN	MH	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	0	-	-
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	3,655	2,275	60.7%	0	0	0.0%	0	0	0.0%	7,405	11,015	-32.8%
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	0	0	11,215	22,696	-50.6%	0	0	0.0%	480	0	0.0%	63,863	95,006	-32.8%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	0	389	-100.0%	0	0	0.0%	0	0	0.0%	0	1,169	-100.0%
MCCLOSKY ARA ARGS COAL	MTF	0	0	0.0%	616	0	0	33,447	25,033	33.6%	0	0	0.0%	814	258	215.5%	84,331	83,635	0.8%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Futures</b>																			
MCCLOSKY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	2,478	3,147	-21.3%	0	0	0.0%	0	0	0.0%	8,444	11,646	-27.5%
MGF FUT	MGF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	80	-100.0%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	50	93	-46.2%	0	0	0.0%	0	0	0.0%	170	353	-51.8%
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	44	286	-84.6%	0	0	0.0%	0	0	0.0%	636	887	-28.3%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	230	71	223.9%	0	0	0.0%	0	0	0.0%	1,596	191	735.6%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	1,955	1,271	53.8%	0	0	0.0%	0	0	0.0%	5,689	4,196	35.6%
MJC FUT	MJC	0	0	0.0%	0	0	0	30	210	-85.7%	0	0	0.0%	0	0	0.0%	110	780	-85.9%
MNC FUT	MNC	0	0	0.0%	0	0	0	5,376	3,808	41.2%	0	0	0.0%	0	0	0.0%	13,251	11,046	20.0%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	12,640	14,849	-14.9%	0	0	0.0%	0	0	0.0%	40,828	49,796	-18.0%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	50	15	233.3%	0	0	0.0%	0	0	0.0%	595	565	5.3%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	0	0	0	137,375	121,247	13.3%	0	0	0.0%	31	26	19.2%	387,710	398,961	-2.8%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	2,553	2,756	-7.4%	0	0	0.0%	0	0	0.0%	11,774	11,769	0.0%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	0	7,665	9,342	-18.0%	0	0	0.0%	0	0	0.0%	24,403	29,549	-17.4%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	715	665	7.5%	0	0	0.0%	0	0	0.0%	2,209	1,545	43.0%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	36,495	26,240	39.1%	0	0	0.0%	0	0	0.0%	105,192	75,487	39.4%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	1,430	1,031	38.7%	0	0	0.0%	0	0	0.0%	4,534	3,039	49.2%
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	20,814	26,372	-21.1%	0	0	0.0%	0	0	0.0%	79,852	130,877	-39.0%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	16,560	61,920	-73.3%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,415	-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%
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	0.0%
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	0.0%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Futures</b>																			
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	1,142	2,100	-45.6%	0	0	0.0%	0	0	0.0%	2,287	5,946	-61.5%
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEW YORK HUB ZONE J PEAK	JN	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NGPL MID-CONTINENT	NL	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,240	400	210.0%	
NGPL TEX/OK	PD	0	0	0.0%	0	0	0	0	76	-100.0%	0	0	0.0%	0	0	0.0%	0	7,716	-100.0%
N ILLINOIS HUB DAILY	UD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
N ILLINOIS HUB MTHLY	UM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NO 2 UP-DOWN SPREAD CALE	UT	0	0	0.0%	0	0	0	225	275	-18.2%	0	0	0.0%	0	0	0.0%	575	1,235	-53.4%
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	0	0.0%	
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	360	2,690	-86.6%	0	0	0.0%	0	0	0.0%	1,615	6,260	-74.2%
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	200	275	-27.3%	0	0	0.0%	0	0	0.0%	450	775	-41.9%
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	0	0	954	926	3.0%	0	0	0.0%	0	15	-100.0%	5,688	4,409	29.0%
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	0	1,550	-100.0%	0	0	0.0%	0	0	0.0%	315	2,375	-86.7%
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	977	1,345	-27.4%	0	0	0.0%	0	0	0.0%	2,876	3,917	-26.6%
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	265	867	-69.4%	0	0	0.0%	0	0	0.0%	865	3,272	-73.6%
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	24	-100.0%	0	0	0.0%	0	0	0.0%	240	144	66.7%
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	0	170	-100.0%
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	0	108	-100.0%	0	0	0.0%	0	0	0.0%	60	108	-44.4%
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%	
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%	

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Futures</b>																			
NYISO ZONE C 5MW D AH O P	A3	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NYISO ZONE C 5MW D AH PK	Q5	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0	0	0	264,520	-100.0%	0	0	0.0%	0	0	0.0%	5,520	346,270	-98.4%
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	0	0	2,340	-100.0%	0	0	0.0%	0	0	0.0%	0	3,395	-100.0%
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	0.0%
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	0.0%
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	0.0%
NYMEX ULSD VS NYMEX HO	UY	0	0	0.0%	0	0	0	700	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	0	27	0	0.0%	0	0	0.0%	0	0	0.0%	417	0	0.0%
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	0.0%
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	0.0%
ONTARIO POWER SWAPS	OFM	-	0	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%	0	10	-100.0%
ONTARIO POWER SWAPS	OPM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PANHANDLE BASIS SWAP FUT	PH	0	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	0.0%
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	0.0%
PETROCHEMICALS	22	0	0	0.0%	0	0	0	70	118	-40.7%	0	0	0.0%	0	0	0.0%	528	410	28.8%
PETROCHEMICALS	32	0	0	0.0%	0	0	0	233	213	9.4%	0	0	0.0%	0	0	0.0%	397	569	-30.2%
PETROCHEMICALS	3NA	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	17	-	-
PETROCHEMICALS	51	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%
PETROCHEMICALS	8I	0	0	0.0%	0	0	0	527	777	-32.2%	0	0	0.0%	0	0	0.0%	1,781	2,415	-26.3%
PETROCHEMICALS	91	0	0	0.0%	0	0	0	438	546	-19.8%	0	0	0.0%	0	0	0.0%	1,590	1,821	-12.7%
PETROCHEMICALS	HPE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROCHEMICALS	MAA	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	30	-	-
PETROCHEMICALS	MAC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROCHEMICALS	MAE	0	0	0.0%	0	0	0	275	250	10.0%	0	0	0.0%	0	0	0.0%	674	530	27.2%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	0	145	140	3.6%	0	0	0.0%	0	0	0.0%	495	360	37.5%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	0	300	520	-42.3%	0	0	0.0%	0	0	0.0%	780	3,010	-74.1%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	352	2,575	-86.3%	0	0	0.0%	0	0	0.0%	2,996	5,763	-48.0%
PETROCHEMICALS	MPS	0	0	0.0%	0	0	0	155	70	121.4%	0	0	0.0%	0	0	0.0%	530	230	130.4%
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%
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	0	0.0%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Futures</b>																			
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	28	0	0.0%	0	0	0.0%	0	0	0.0%	28	409	-93.2%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	8,090	150	5,293.3%	0	0	0.0%	0	0	0.0%	18,740	765	2,349.7%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	4,516	2,605	73.4%	0	0	0.0%	0	0	0.0%	9,982	8,925	11.8%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	220	1,300	-83.1%	0	0	0.0%	0	0	0.0%	1,370	2,400	-42.9%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	900	213	322.5%	0	0	0.0%	0	0	0.0%	2,800	2,175	28.7%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	0	400	-100.0%	0	0	0.0%	0	0	0.0%	0	800	-100.0%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	1,516	1,054	43.8%	0	0	0.0%	0	0	0.0%	3,486	5,233	-33.4%
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	21	-100.0%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	4,774	7,060	-32.4%	0	0	0.0%	0	0	0.0%	12,284	29,417	-58.2%
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	0	0.0%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	180	3,315	-94.6%	0	0	0.0%	0	0	0.0%	960	5,311	-81.9%
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	-	-	-
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	7,407	4,444	66.7%	0	0	0.0%	0	0	0.0%	30,103	13,310	126.2%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	17,455	17,962	-2.8%	0	0	0.0%	0	0	0.0%	46,398	51,179	-9.3%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	145	36	302.8%	0	0	0.0%	0	0	0.0%	351	201	74.6%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	1,710	1,935	-11.6%	0	0	0.0%	0	0	0.0%	5,537	6,362	-13.0%
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	260	-100.0%	0	0	0.0%	0	0	0.0%	0	1,138	-100.0%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0	0	60	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	513	1,621	-68.4%	0	0	0.0%	0	0	0.0%	1,653	5,075	-67.4%
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	15	15	0.0%	0	0	0.0%	0	0	0.0%	15	108	-86.1%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	654	1,233	-47.0%	0	0	0.0%	0	0	0.0%	1,877	3,405	-44.9%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	665	1,776	-62.6%	0	0	0.0%	0	0	0.0%	1,613	6,146	-73.8%
PETRO CRK&SPRD EURO	FBT	0	-	-	0	-	0	60	-	-	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	0	0.0%	0	0	0.0%	0	0	0.0%	282	175	61.1%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	0	84	-100.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	60	80	-25.0%	0	0	0.0%	0	0	0.0%	60	80	-25.0%

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

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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
<b>Energy Futures</b>																		
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	23	-100.0%	0	0	0.0%	0	0	0.0%	10	123	-91.9%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	37	30	23.3%
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	717	1,324	-45.8%	0	0	0.0%	0	0	0.0%	1,937	5,421	-64.3%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	0	0.0%
PETROLEUM PRODUCTS	1NM	0	-	-	0	-	0	-	-	0	-	-	0	-	-	70	-	-
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	2,000	3,434	-41.8%	0	0	0.0%	0	0	0.0%	9,869	19,009	-48.1%
PETROLEUM PRODUCTS	MBS	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	MGS	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	MME	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	135	0	0.0%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	50	344	-85.5%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	1,766	1,605	10.0%	0	0	0.0%	0	0	0.0%	5,168	6,785	-23.8%
PETROLEUM PRODUCTS ASIA	MSB	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	0	0.0%
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	1,122	1,162	-3.4%	0	0	0.0%	0	0	0.0%	3,343	2,974	12.4%
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	31	10	210.0%
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	656	592	10.8%	0	0	0.0%	0	0	0.0%	1,228	1,772	-30.7%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	15	-100.0%
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	71	0	0.0%	0	0	0.0%	0	0	0.0%	123	43	186.0%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	0	37	-100.0%
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	175	0	0.0%	0	0	0.0%	0	0	0.0%	352	64	450.0%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	117	145	-19.3%	0	0	0.0%	0	0	0.0%	817	978	-16.5%
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	0	0	0	35	-100.0%	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	290	826	-64.9%	0	0	0.0%	0	0	0.0%	1,225	2,135	-42.6%
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	0	20	0	0.0%	0	0	0.0%	0	0	0.0%	105	0	0.0%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	22	0	0.0%
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	10	55	-81.8%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Futures</b>																			
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	944	606	55.8%	0	0	0.0%	0	0	0.0%	2,497	2,287	9.2%
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	-	-	-
PETRO OUTRIGHT EURO	GES	0	-	-	0	-	0	-	-	-	0	-	0	-	-	0	-	-	-
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	136	-100.0%
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	0	260	1,652	-84.3%	0	0	0.0%	0	0	0.0%	856	4,016	-78.7%
PETRO OUTRIGHT EURO	MEF	0	-	-	0	-	335	-	-	0	-	-	0	-	-	970	-	-	
PETRO OUTRIGHT EURO	R53	0	-	-	0	-	12	-	-	0	-	-	0	-	-	12	-	-	
PETRO OUTRIGHT EURO	R50	0	-	-	0	-	30	-	-	0	-	-	0	-	-	30	-	-	
PETRO OUTRIGHT EURO	S5M	0	-	-	0	-	9	-	-	0	-	-	0	-	-	52	-	-	
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	125	328	-61.9%	
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETRO OUTRIGHT EURO	T2B	0	-	-	0	-	0	-	-	0	-	-	0	-	-	15	-	-	
PETRO OUTRIGHT EURO	ULB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	0	680	-100.0%	
PETRO OUTRIGHT EURO	X0	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0	0	64	-100.0%	0	0	0.0%	0	0	0.0%	0	199	-100.0%	
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	24	-100.0%	0	0	0.0%	0	0	0.0%	0	69	-100.0%	
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	0	2,350	2,850	-17.5%	0	0	0.0%	0	0	0.0%	6,475	7,755	-16.5%
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	0	800	825	-3.0%	0	0	0.0%	0	0	0.0%	2,125	1,775	19.7%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%	
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	312	403	-22.6%	0	0	0.0%	0	0	0.0%	672	833	-19.3%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	3,114	3,233	-3.7%	0	0	0.0%	0	0	0.0%	8,572	12,302	-30.3%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	30	-100.0%	
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	81	9	800.0%	0	0	0.0%	0	0	0.0%	226	35	545.7%
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	-	-	
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	28,032	-100.0%	0	0	0.0%	0	0	0.0%	70,120	28,032	150.1%	
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	2,413	-100.0%	0	0	0.0%	0	0	0.0%	1,275	7,513	-83.0%	
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%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Futures</b>																			
PJM APS ZONE DA PEAK	S4	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM ATSI ELEC	MOD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAILY	JD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM JCPL DA OFF-PEAK	F2	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM JCPL DA PEAK	J2	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,100	-100.0%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	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	0	0.0%
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	46,800	-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	2,550	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	23,400	70,200	-66.7%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	0	10,200	8,944	14.0%	0	0	0.0%	0	0	0.0%	15,683	24,594	-36.2%
PLASTICS	PGP	0	0	0.0%	0	0	0	490	250	96.0%	0	0	0.0%	0	0	0.0%	2,905	1,282	126.6%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	34	265	-87.2%	0	0	0.0%	0	0	0.0%	542	1,311	-58.7%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	18	165	-89.1%	
PREM UNL GAS 10PPM RDAM F	7N	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	80	-75.0%	
PREM UNL GAS 10PPM RDAM F	7L	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	10	200.0%	
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	1,359	1,035	31.3%	0	0	0.0%	0	0	0.0%	7,050	1,764	299.7%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	20,068	14,845	35.2%	0	0	0.0%	0	0	0.0%	54,518	29,916	82.2%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	4,531	4,080	11.1%	0	0	0.0%	0	0	0.0%	15,520	11,940	30.0%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Futures</b>																			
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	1,195	542	120.5%	0	0	0.0%	0	0	0.0%	2,530	2,572	-1.6%
RBOB CRACK SPREAD BALMO	1E	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	0	511	616	-17.0%	0	0	0.0%	0	0	0.0%	2,703	1,503	79.8%
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	150	-100.0%	0	0	0.0%	0	0	0.0%	75	550	-86.4%
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	31	-100.0%
SAN JUAN PIPE SWAP	XX	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	0	-	-
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	17	25	-32.0%	0	0	0.0%	0	0	0.0%	37	120	-69.2%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	90	133	-32.3%	0	0	0.0%	0	0	0.0%	115	289	-60.2%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	0	2,852	7,439	-61.7%	0	0	0.0%	0	0	0.0%	9,759	18,103	-46.1%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	0	368	546	-32.6%	0	0	0.0%	0	0	0.0%	835	2,040	-59.1%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	55	1,604	-96.6%	0	0	0.0%	0	0	0.0%	230	2,615	-91.2%
SINGAPORE GASOIL	MAF	0	-	-	0	-	0	2,207	-	-	0	-	-	0	-	-	5,565	-	-
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	63	190	-66.8%	0	0	0.0%	0	0	0.0%	145	268	-45.9%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	3,494	5,431	-35.7%	0	0	0.0%	0	0	0.0%	11,277	15,195	-25.8%
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	0	4,150	-100.0%
SINGAPORE GASOIL CALEND A	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 A	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 A	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 A	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 A	MSG	0	0	0.0%	0	0	0	320	110	190.9%	0	0	0.0%	0	0	0.0%	670	3,759	-82.2%
SINGAPORE GASOIL CALEND A	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	688	1,314	-47.6%	0	0	0.0%	0	1	-100.0%	3,537	15,526	-77.2%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	3,075	14,815	-79.2%	0	0	0.0%	0	0	0.0%	4,340	64,735	-93.3%
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	2,425	-100.0%	0	0	0.0%	0	0	0.0%	100	18,120	-99.4%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	515	565	-8.8%	0	0	0.0%	0	0	0.0%	1,645	3,635	-54.7%
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%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	450	225	100.0%	0	0	0.0%	0	0	0.0%	925	1,363	-32.1%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	1	-1	18,344	13,450	36.4%	0	0	0.0%	0	1	-100.0%	52,478	52,644	-0.3%
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	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	XN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Futures</b>																			
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	370	172	115.1%	0	0	0.0%	0	0	0.0%	730	518	40.9%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	485	20	2,325.0%	0	0	0.0%	0	0	0.0%	1,240	220	463.6%
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	3,756	1,030	264.7%	0	0	0.0%	0	0	0.0%	11,971	1,805	563.2%
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	20	-100.0%	0	0	0.0%	0	0	0.0%	20	50	-60.0%
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	894	5,150	-0.83	0	0	0.0%	0	0	0.0%	2,774	9,715	-71.4%	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	6,145	3,500	75.6%	0	0	0.0%	0	0	0.0%	20,070	14,240	40.9%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	23,313	30,926	-24.6%	0	0	0.0%	0	0	0.0%	83,189	112,196	-25.9%
WAHA BASIS	NW	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	0	0.0%	425	2,086	-79.6%
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%	600	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	0	30,610	34,796	-12.0%	0	0	0.0%	0	0	0.0%	78,870	116,309	-32.2%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Futures</b>																			
WTI CALENDAR	CS	0	0	0.0%	0	0	0	53,364	29,601	80.3%	0	0	0.0%	0	0	0.0%	123,082	110,441	11.4%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	2,880	10,838	-73.4%	0	0	0.0%	0	0	0.0%	11,208	32,198	-65.2%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	1,052	72	1,361.1%	0	0	0.0%	0	0	0.0%	3,012	222	1,256.8%
<b>Energy Options</b>																			
12 MO GASOIL CAL SWAP SPR	GXZ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRENT 1 MONTH CAL	AA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3,000	-100.0%
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,140	-100.0%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,000	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	0	0	0.0%	0	0	0	3,100	122,200	-97.5%	0	0	0.0%	0	0	0.0%	21,100	122,200	-82.7%
BRENT CRUDE OIL 6 M CSO	9L	0	-	-	0	-	0	-	-	-	0	-	0	-	-	-	0	-	-
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	23,148	32,815	-29.5%	0	0	0.0%	0	0	0.0%	116,843	34,815	235.6%
BRENT OIL LAST DAY	BZO	0	0	0.0%	76,696	49,197	0.56	22,355	75,745	-70.5%	0	0	0.0%	186,654	107,640	73.4%	89,116	215,820	-58.7%
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	1,055	-95.3%	0	0	0.0%	0	0	0.0%	50	2,740	-98.2%
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	300	275	9.1%	0	0	0.0%	0	0	0.0%	510	650	-21.5%
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	-	150	-	-	0	-	-	0	-	-	150	-	-	
CRUDE OIL 1MO	WA	0	0	0.0%	7,454	10,400	-0.28	199,850	80,850	147.2%	0	0	0.0%	12,254	44,885	-72.7%	676,050	456,100	48.2%
CRUDE OIL APO	AO	0	0	0.0%	0	0	0	93,804	66,502	41.1%	0	0	0.0%	3	46	-93.5%	152,417	171,923	-11.3%
CRUDE OIL CALNDR STRIP	6F	0	-	-	0	-	200	-	-	0	-	-	0	-	-	200	-	-	
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%
CRUDE OIL OUTRIGHTS	WCI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	960	0	0.0%
CRUDE OIL PHY	CD	0	0	0.0%	0	0	0	250	925	-73.0%	0	0	0.0%	0	0	0.0%	250	3,175	-92.1%
CRUDE OIL PHY	LC	0	0	0.0%	0	0	0	5,000	9,424	-46.9%	0	0	0.0%	0	700	-100.0%	22,986	39,001	-41.1%
CRUDE OIL PHY	LO	0	0	0.0%	1,738,009	2,720,172	-0.36	319,095	635,100	-49.8%	0	0	0.0%	5,485,177	9,133,461	-39.9%	1,106,577	2,064,532	-46.4%
CRUDE OIL PHY	LO1	0	0	0.0%	6,141	6,473	-0.05	0	0	0.0%	0	0	0.0%	45,905	33,602	36.6%	200	50	300.0%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Options</b>																			
CRUDE OIL PHY	LO2	0	0	0.0%	13,688	7,009	0.95	0	0	0.0%	0	0	0.0%	44,317	37,243	19.0%	100	50	100.0%
CRUDE OIL PHY	LO3	0	0	0.0%	87	7,088	-0.99	0	50	-100.0%	0	0	0.0%	16,533	30,890	-46.5%	0	200	-100.0%
CRUDE OIL PHY	LO4	0	0	0.0%	14,375	16,216	-0.11	0	50	-100.0%	0	0	0.0%	34,978	39,531	-11.5%	0	50	-100.0%
CRUDE OIL PHY	LO5	0	0	0.0%	19,138	13,052	0.47	400	225	77.8%	0	0	0.0%	19,176	13,052	46.9%	400	225	77.8%
ELEC MISO PEAK	9T	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ETHANOL	CE1	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
ETHANOL	CE3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ETHANOL SWAP	CVR	0	0	0.0%	0	0	0	8,533	7,151	19.3%	0	0	0.0%	0	0	0.0%	20,252	24,507	-17.4%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	0	180	78	130.8%	0	0	0.0%	0	0	0.0%	780	1,083	-28.0%
EUROPEAN JET KEROSENE N	30	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOLINE	GCE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HEATING OIL CRACK OPTIONS	CH	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HEATING OIL CRK SPD AVG PR	3W	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HEATING OIL PHY	LB	0	0	0.0%	0	0	0	205	0	0.0%	0	0	0.0%	0	0	0.0%	333	0	0.0%
HEATING OIL PHY	OH	0	0	0.0%	4,073	4,151	-0.02	16,837	19,375	-13.1%	0	0	0.0%	11,911	21,288	-44.0%	67,627	87,677	-22.9%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	4,757	1,671	184.7%	0	0	0.0%	0	5	-100.0%	18,039	13,057	38.2%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,000	0	0.0%
LLS CRUDE OIL	WJO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
LLS CRUDE OIL	YVO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MCCLOSKY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	130	90	44.4%
MCCLOSKY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	0	675	-100.0%	0	0	0.0%	0	0	0.0%	220	1,525	-85.6%
NATURAL GAS	G10	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	0	0	0.0%	0	0	0	7,850	0	0.0%	0	0	0.0%	2,870	1	286,900.0%	159,630	212,541	-24.9%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	500	0	0.0%	0	0	0.0%	0	0	0.0%	500	0	0.0%
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	4,550	30	15,066.7%	0	0	0.0%	0	1	-100.0%	5,100	6,480	-21.3%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	0	0	1,450	-100.0%	0	0	0.0%	0	0	0.0%	0	1,450	-100.0%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	0	400	24,200	-98.3%	0	0	0.0%	0	0	0.0%	17,075	62,650	-72.7%
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	2,800	1,320	112.1%	0	0	0.0%	0	0	0.0%	7,300	13,824	-47.2%
NATURAL GAS PHY	KD	0	0	0.0%	147	7,266	-0.98	725	3,750	-80.7%	0	0	0.0%	645	50,059	-98.7%	5,125	23,175	-77.9%
NATURAL GAS PHY	LN	0	0	0.0%	443,117	619,571	-0.28	456,023	464,804	-1.9%	0	0	0.0%	2,477,897	4,284,433	-42.2%	1,971,354	2,784,512	-29.2%
NATURAL GAS PHY	ON	0	0	0.0%	85,044	85,461	0	1,636	6,284	-74.0%	0	0	0.0%	378,349	589,088	-35.8%	21,359	35,274	-39.4%
NATURAL GAS WINTER STRIP	6I	0	-	-	0	-	0	0	-	-	0	-	0	-	-	-	0	-	-
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	16	15	0.07	1,416	2,272	-37.7%	0	0	0.0%	88	59	49.2%	4,390	9,828	-55.3%

**NYMEX/COMEX Exchange Volume Comparison Report - Monthly**

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Options</b>																			
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	0	0	32	0	0.0%	0	0	0.0%	0	5	-100.0%	1,467	1,628	-9.9%	
PETROCHEMICALS	4J	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,350	-100.0%	
PETROCHEMICALS	4K	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETROCHEMICALS	CPR	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	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	-	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%	
PJM WES HUB PEAK CAL MTH	6OA	0	0.0%	0	0	0	100	60	66.7%	0	0	0.0%	0	0	0.0%	120	80	50.0%	
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	880	-100.0%	
PJM WES HUB PEAK LMP 50MW	PMA	0	0.0%	0	0	0	396	764	-48.2%	0	0	0.0%	0	0	0.0%	836	2,993	-72.1%	
RBOB 1MO CAL SPD OPTIONS	ZA	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	150	500	-70.0%	
RBOB CALENDAR SWAP	RA	0	0.0%	0	0	0	57	150	-62.0%	0	0	0.0%	0	0	0.0%	237	450	-47.3%	
RBOB CRACK	RX	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
RBOB PHY	OB	0	0.0%	2,566	3,452	-0.26	7,825	4,960	57.8%	0	0	0.0%	7,927	16,424	-51.7%	25,840	21,660	19.3%	
RBOB PHY	RF	0	0.0%	0	0	0	20	0	0.0%	0	0	0.0%	0	0	0.0%	516	125	312.8%	
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%	
SAN JUAN PIPE SWAP	PJ	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
SHORT TERM	C15	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	-	-	
SHORT TERM	U11	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	250	300	-16.7%	
SHORT TERM	U12	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	85	-100.0%	700	125	460.0%	
SHORT TERM	U13	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
SHORT TERM	U14	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	10	-100.0%	50	625	-92.0%	
SHORT TERM	U15	0	0.0%	0	100	-1	0	150	-100.0%	0	0	0.0%	0	125	-100.0%	800	150	433.3%	
SHORT TERM	U22	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,025	-100.0%	
SHORT TERM	U23	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	80	-100.0%	0	250	-100.0%	
SHORT TERM	U24	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%	
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	0	0.0%	
SHORT TERM NATURAL GAS	U01	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	25	0	0.0%	500	125	300.0%	
SHORT TERM NATURAL GAS	U02	0	0.0%	0	20	-1	0	500	-100.0%	0	0	0.0%	0	75	-100.0%	0	900	-100.0%	
SHORT TERM NATURAL GAS	U03	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	30	-100.0%	0	100	-100.0%	

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Energy Options</b>																			
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	600	250	140.0%	
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	200	400	-50.0%	
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	50	0.0%	0	0	0.0%	0	0	0.0%	50	0	0.0%	
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	300	0.0%	0	0	0.0%	0	0	0.0%	600	250	140.0%	
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	500	1,225	-59.2%	
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	1	-100.0%	100	275	-63.6%	
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%	
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	35	-100.0%	100	550	-81.8%	
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	70	-100.0%	0	150	-100.0%	
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	500	-100.0%	
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	60	-100.0%	0	0	0.0%	
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%	
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	0	0	50	0.0%	0	0	0.0%	0	0	0.0%	50	0	0.0%	
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0	0	0	-100.0%	0	0	0.0%	0	0	0.0%	0	250	-100.0%	
SHORT TERM NATURAL GAS	U28	0	0	0.0%	25	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	-100.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%	
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%	
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	850	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%	
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%	
SOCAL PIPE SWAP	ZN	-	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%	3,700	25,000	-0.85	20,000	-84.8%	0	0	0.0%	19,230	110,721	-82.6%	166,275	275,007	-39.5%	
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	1,100	0	0	56,750	-34.5%	0	0	0.0%	4,100	10,200	-59.8%	146,250	193,350	-24.4%	

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Metals Futures</b>																			
COMEX GOLD	GC	0	0	0.0%	6,511,882	7,727,280	-0.16	199,644	308,802	-35.3%	0	0	0.0%	16,403,202	22,461,937	-27.0%	564,673	814,587	-30.7%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	2,237	2,862	-0.22	10,928	6,793	60.9%	0	0	0.0%	9,982	9,277	7.6%	40,164	19,885	102.0%
NYMEX PLATINUM	PL	0	0	0.0%	613,179	549,655	0.12	19,995	13,065	53.0%	0	0	0.0%	1,326,943	1,321,400	0.4%	53,124	31,901	66.5%
PALLADIUM	PA	0	0	0.0%	109,662	97,268	0.13	3,531	4,009	-11.9%	0	0	0.0%	356,681	348,341	2.4%	10,984	16,212	-32.2%
URANIUM	UX	0	0	0.0%	275	0	0	2,842	200	1,321.0%	0	0	0.0%	307	52	490.4%	5,368	833	544.4%
COMEX SILVER	SI	0	0	0.0%	1,371,573	1,790,191	-0.23	46,953	52,130	-9.9%	0	0	0.0%	4,589,299	6,033,073	-23.9%	139,054	151,556	-8.2%
COMEX E-Mini GOLD	QO	0	0	0.0%	8,207	6,801	0.21	0	0	0.0%	0	0	0.0%	19,532	21,557	-9.4%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	3,102	1,258	1.47	0	0	0.0%	0	0	0.0%	6,710	3,758	78.6%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	1,736,955	2,482,431	-0.3	11,187	28,120	-60.2%	0	0	0.0%	6,134,606	8,195,079	-25.1%	71,031	77,290	-8.1%
COMEX MINY COPPER	QC	0	0	0.0%	534	402	0.33	0	0	0.0%	0	0	0.0%	1,673	1,868	-10.4%	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	240	1,498	-84.0%	0	0	0.0%	55	0	0.0%	5,473	4,048	35.2%
ALUMINUM	ALA	0	0	0.0%	0	0	0	120	30	300.0%	0	0	0.0%	0	0	0.0%	120	875	-86.3%
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%	504	1,212	-0.58	4,096	10,970	-62.7%	0	0	0.0%	2,742	2,097	30.8%	16,182	37,156	-56.4%
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%	40	5	7	3,770	2,145	75.8%	0	0	0.0%	72	5	1,340.0%	7,460	6,513	14.5%
ALUMINUM	MJP	0	0	0.0%	0	0	0	1,315	4,395	-70.1%	0	0	0.0%	0	0	0.0%	2,220	6,105	-63.6%
COPPER	HGS	0	0	0.0%	0	0	0	423	3,847	-89.0%	0	0	0.0%	0	0	0.0%	2,451	9,382	-73.9%
E-MICRO GOLD	MGC	0	0	0.0%	244,516	117,149	1.09	0	0	0.0%	0	0	0.0%	618,701	385,747	60.4%	0	0	0.0%
FERROUS PRODUCTS	BUS	0	0	0.0%	414	29	13.28	165	750	-78.0%	0	0	0.0%	1,537	42	3,559.5%	1,410	7,665	-81.6%
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	35	-1	0	0	0.0%	0	0	0.0%	0	76	-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%	2	10	-0.8	6,221	5,860	6.2%	0	0	0.0%	28	16	75.0%	24,896	10,809	130.3%
LNDN ZINC	ZNC	0	0	0.0%	122	0	0	0	0	0.0%	0	0	0.0%	969	33	2,836.4%	0	0	0.0%
SILVER	SIL	0	0	0.0%	13,899	5,150	1.7	0	0	0.0%	0	0	0.0%	46,770	19,933	134.6%	0	0	0.0%

### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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	
<b>Metals Options</b>																			
COMEX COPPER	HX	0	0	0.0%	39,371	12,146	2.24	26,150	5,655	362.4%	0	0	0.0%	118,694	45,044	163.5%	67,650	12,808	428.2%
COMEX GOLD	OG	0	0	0.0%	905,170	772,103	0.17	277,713	168,481	64.8%	0	0	0.0%	2,223,388	2,288,899	-2.9%	714,644	594,484	20.2%
COMEX SILVER	SO	0	0	0.0%	107,123	116,112	-0.08	17,686	9,633	83.6%	0	0	0.0%	318,828	360,642	-11.6%	73,515	53,351	37.8%
COPPER	H1E	0	-	-	10	-	0	-	-	0	-	-	36	-	-	0	-	-	
COPPER	H2E	0	-	-	10	-	0	-	-	0	-	-	22	-	-	0	-	-	
COPPER	H3E	0	-	-	11	-	0	-	-	0	-	-	27	-	-	0	-	-	
COPPER	H4E	0	-	-	10	-	0	-	-	0	-	-	22	-	-	0	-	-	
COPPER	H5E	0	-	-	10	-	0	-	-	0	-	-	10	-	-	0	-	-	
GOLD	OG1	0	0	0.0%	18,910	9,147	1.07	650	300	116.7%	0	0	0.0%	57,398	29,571	94.1%	1,350	800	68.8%
GOLD	OG2	0	0	0.0%	33,179	6,797	3.88	2,350	25	9,300.0%	0	0	0.0%	62,171	22,526	176.0%	3,300	2,670	23.6%
GOLD	OG3	0	0	0.0%	26,757	6,500	3.12	2,300	300	666.7%	0	0	0.0%	49,870	24,811	101.0%	4,279	3,550	20.5%
GOLD	OG4	0	0	0.0%	11,844	4,614	1.57	600	0	0.0%	0	0	0.0%	25,916	14,176	82.8%	600	1,250	-52.0%
GOLD	OG5	0	0	0.0%	13,223	6,835	0.93	500	0	0.0%	0	0	0.0%	13,223	6,835	93.5%	500	0	0.0%
HOT ROLLED COIL STEEL CALL	HRO	0	0	0.0%	0	0	0	600	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	3,240	200	1,520.0%	0	0	0.0%	0	0	0.0%	3,510	200	1,655.0%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	1,800	360	400.0%	0	0	0.0%	0	0	0.0%	1,800	1,080	66.7%
NYMEX PLATINUM	PO	0	0	0.0%	1,206	926	0.3	750	2,551	-70.6%	0	0	0.0%	3,855	5,057	-23.8%	6,501	6,536	-0.5%
PALLADIUM	PAO	0	0	0.0%	821	1,894	-0.57	750	1,290	-41.9%	0	0	0.0%	1,967	5,357	-63.3%	1,970	4,415	-55.4%
SILVER	SO1	0	0	0.0%	610	350	0.74	0	0	0.0%	0	0	0.0%	2,347	500	369.4%	200	0	0.0%
SILVER	SO2	0	0	0.0%	971	155	5.26	0	0	0.0%	0	0	0.0%	1,892	235	705.1%	0	0	0.0%
SILVER	SO3	0	0	0.0%	1,374	267	4.15	0	0	0.0%	0	0	0.0%	3,296	437	654.2%	100	0	0.0%
SILVER	SO4	0	0	0.0%	371	98	2.79	0	0	0.0%	0	0	0.0%	726	319	127.6%	0	0	0.0%
SILVER	SO5	0	0	0.0%	1,305	133	8.81	0	0	0.0%	0	0	0.0%	1,305	133	881.2%	0	0	0.0%
<b>TOTAL FUTURES GROUP</b>																			
Ag Products Futures		0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	2	50.0%	0	0	0.0%
Energy Futures		0	0	0.0%	39,501,157	41,247,441	-4.2%	2,480,603	2,766,510	-10.3%	0	0	0.0%	120,886,833	137,307,873	-12.0%	7,690,225	9,243,832	-16.8%
Metals Futures		0	0	0.0%	10,617,103	12,781,738	-16.9%	311,430	442,614	-29.6%	0	0	0.0%	29,519,809	38,804,316	-23.9%	944,632	1,194,997	-21.0%
<b>TOTAL FUTURES</b>		<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>50,118,260</b>	<b>54,029,179</b>	<b>-7.2%</b>	<b>2,792,033</b>	<b>3,209,124</b>	<b>-13.0%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>150,406,645</b>	<b>176,112,191</b>	<b>-14.6%</b>	<b>8,634,857</b>	<b>10,438,829</b>	<b>-17.3%</b>



### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry MAR 2019	Open Outcry MAR 2018	% CHG	ELEC MAR 2019	ELEC MAR 2018	% CHG	CME ClearPort MAR 2019	CME ClearPort MAR 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
<b>TOTAL OPTIONS GROUP</b>																		
Energy Options	0	0	0.0%	2,415,376	3,574,643	-32.4%	1,259,694	1,784,443	-29.4%	0	0	0.0%	8,748,064	14,523,995	-39.8%	4,835,588	6,902,802	-29.9%
Metals Options	0	0	0.0%	1,162,286	938,077	23.9%	335,089	188,795	77.5%	0	0	0.0%	2,884,993	2,804,542	2.9%	880,519	681,144	29.3%
<b>TOTAL OPTIONS</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>3,577,662</b>	<b>4,512,720</b>	<b>-20.7%</b>	<b>1,594,783</b>	<b>1,973,238</b>	<b>-19.2%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>11,633,057</b>	<b>17,328,537</b>	<b>-32.9%</b>	<b>5,716,107</b>	<b>7,583,946</b>	<b>-24.6%</b>
<b>TOTAL COMBINED</b>																		
Ag Products	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	2	50.0%	0	0	0.0%
Energy	0	0	0.0%	41,916,533	44,822,084	-6.5%	3,740,297	4,550,953	-17.8%	0	0	0.0%	129,634,897	151,831,868	-14.6%	12,525,813	16,146,634	-22.4%
Metals	0	0	0.0%	11,779,389	13,719,815	-14.1%	646,519	631,409	2.4%	0	0	0.0%	32,404,802	41,608,858	-22.1%	1,825,151	1,876,141	-2.7%
<b>GRAND TOTAL</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>53,695,922</b>	<b>58,541,899</b>	<b>-8.3%</b>	<b>4,386,816</b>	<b>5,182,362</b>	<b>-15.4%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>162,039,702</b>	<b>193,440,728</b>	<b>-16.2%</b>	<b>14,350,964</b>	<b>18,022,775</b>	<b>-20.4%</b>

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