

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Ag Products Futures																			
COCOA TAS	CJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	8	5	60.0%	0	0	0.0%	
COFFEE	KT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	2	0	0.0%	0	0	0.0%	
COTTON	TT	0	0	0.0%	1	1	0	0	0.0%	0	0	0.0%	39	22	77.3%	0	0	0.0%	
SUGAR 11	YO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	10	58	-82.8%	0	0	0.0%	
Energy Futures																			
CRUDE OIL PHY	CL	0	0	0.0%	18,942,064	22,447,656	-0.16	385,141	461,037	-16.5%	0	0	0.0%	285,761,987	300,925,637	-5.0%	5,703,333	5,687,370	0.3%
CRUDE OIL	WS	0	0	0.0%	0	0	0	250	0	0.0%	0	0	0.0%	0	89	-100.0%	16,944	15,550	9.0%
MINY WTI CRUDE OIL	QM	0	0	0.0%	309,495	617,691	-0.5	0	0	0.0%	0	0	0.0%	5,470,936	4,692,563	16.6%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	1,757,985	1,611,129	0.09	23,092	49,785	-53.6%	0	0	0.0%	25,107,509	21,345,574	17.6%	509,416	480,206	6.1%
HEATING OIL PHY	HO	0	0	0.0%	3,536,161	3,077,909	0.15	180,540	161,090	12.1%	0	0	0.0%	40,452,276	44,043,254	-8.2%	2,948,533	2,234,629	31.9%
HTG OIL	BH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	96	120	-20.0%
MINY HTG OIL	QH	0	0	0.0%	2	3	-0.33	0	0	0.0%	0	0	0.0%	38	47	-19.1%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	3,284,092	3,260,755	0.01	153,727	143,946	6.8%	0	0	0.0%	47,066,537	47,134,720	-0.1%	2,785,270	2,479,189	12.3%
MINY RBOB GAS	QU	0	0	0.0%	4	4	0	0	0	0.0%	0	0	0.0%	73	47	55.3%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	39,141	25,883	0.51	75,620	67,623	11.8%	0	0	0.0%	463,150	586,524	-21.0%	897,096	851,495	5.4%
LTD NAT GAS	HH	0	0	0.0%	136,721	196,954	-0.31	112,228	197,368	-43.1%	0	0	0.0%	1,849,674	2,561,557	-27.8%	1,711,932	2,017,520	-15.1%
MINY NATURAL GAS	QG	0	0	0.0%	53,544	45,578	0.17	0	0	0.0%	0	0	0.0%	439,093	433,003	1.4%	0	36	-100.0%
PJM MONTHLY	JM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	0	0	0.0%	9,072,398	7,553,218	0.2	264,928	298,056	-11.1%	0	0	0.0%	100,257,958	110,844,207	-9.6%	3,136,546	3,411,871	-8.1%
RBOB GAS	RT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	84	14,386	-99.4%
3.5% FUEL OIL CID MED SWA	7D	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	97	622	-84.4%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	95	-78.9%
AEP-DAYTON HUB DAILY	VD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	VM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	N7	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	0	0	0.0%	-	0	0.0%
ALGONQUIN CITYGATES BASIS	B4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ANR LOUISIANA BASIS SWAP	ND	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	0	0	0.0%	-	0	0.0%
ANR OKLAHOMA	NE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	0	0	0	4,125	15,739	-73.8%	0	0	0.0%	0	30	-100.0%	91,454	256,725	-64.4%

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Energy Futures																			
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	3,937	3,071	28.2%	0	0	0.0%	0	0	0.0%	71,392	68,590	4.1%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	3,229	1,778	81.6%	0	0	0.0%	0	0	0.0%	35,928	32,923	9.1%
AUSTRIALIAN COKE COAL	ACT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	J9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,960	285	587.7%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	3,800	1,588	139.3%	0	0	0.0%	0	0	0.0%	85,595	39,825	114.9%
BRENT CFD SWAP	6W	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	7,000	20,864	-66.4%
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,539	127	1,111.8%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	224	-100.0%
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 MW P	9X	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CAISO SP15 EZGNHUB5 PEAK	9Z	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CANADIAN LIGHT SWEET OIL	CIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	36	-100.0%
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	1	44	-0.98	60,813	78,973	-23.0%	0	0	0.0%	510	2,115	-75.9%	1,167,644	1,131,300	3.2%
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	665	831	-20.0%	0	0	0.0%	0	0	0.0%	6,681	5,838	14.4%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	0	125	-100.0%	0	0	0.0%	0	0	0.0%	1,370	1,075	27.4%
CIG BASIS	CI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	221	-100.0%
CIG ROCKIES NG INDEX SWA	Z8	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CINERGY HUB OFF-PEAK MON	EJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	EM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	K2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH PK	H5	0	0	0.0%	0	0	0	440	1,254	-64.9%	0	0	0.0%	0	0	0.0%	5,312	13,630	-61.0%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,920	0	0.0%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	325	1,505	-78.4%
COAL SWAP	ACM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	570	-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	214	-100.0%	0	0	0.0%	0	0	0.0%	364	214	70.1%
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	664	177	275.1%	0	0	0.0%	0	5	-100.0%	3,248	2,826	14.9%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	157	0	0.0%	0	0	0.0%	0	0	0.0%	5,574	2,831	96.9%

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Energy Futures																			
CONWAY PROPANE 5 DECIMAL	8K	0	0.0%	0	0	0	10,373	11,614	-10.7%	0	0	0.0%	144	48	200.0%	171,142	186,568	-8.3%	
CRUDE OIL	LPS	0	0.0%	0	0	0	0	4,400	-100.0%	0	0	0.0%	0	0	0.0%	33,110	53,385	-38.0%	
CRUDE OIL OUTRIGHTS	42	0	0.0%	0	0	0	260	759	-65.7%	0	0	0.0%	0	0	0.0%	4,510	3,436	31.3%	
CRUDE OIL OUTRIGHTS	CC5	0	0.0%	0	0	0	111	225	-50.7%	0	0	0.0%	0	0	0.0%	4,892	555	781.4%	
CRUDE OIL OUTRIGHTS	CPD	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,956	-100.0%	
CRUDE OIL OUTRIGHTS	CSN	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
CRUDE OIL OUTRIGHTS	CSW	0	0.0%	0	0	0	0	45	-100.0%	0	0	0.0%	50	0	0.0%	3,228	2,360	36.8%	
CRUDE OIL OUTRIGHTS	DAB	0	-	0	-	-	540	-	-	0	-	-	0	-	-	540	-	-	
CRUDE OIL OUTRIGHTS	DBL	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	730	99	637.4%	
CRUDE OIL OUTRIGHTS	FE	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
CRUDE OIL OUTRIGHTS	GSW	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	296	105	181.9%	
CRUDE OIL OUTRIGHTS	HTT	0	0.0%	0	0	0	75,262	25,623	193.7%	0	0	0.0%	0	0	0.0%	716,767	555,118	29.1%	
CRUDE OIL OUTRIGHTS	LSW	0	0.0%	0	0	0	55	0	0.0%	0	0	0.0%	0	0	0.0%	4,543	335	1,256.1%	
CRUDE OIL OUTRIGHTS	SSW	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
CRUDE OIL OUTRIGHTS	UMD	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,800	-100.0%	
CRUDE OIL OUTRIGHTS	UNS	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	7,554	-100.0%	
CRUDE OIL OUTRIGHTS	WCC	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
CRUDE OIL OUTRIGHTS	WCW	0	0.0%	0	0	0	1,315	8,540	-84.6%	0	0	0.0%	0	0	0.0%	43,525	73,558	-40.8%	
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	0.0%	7,107	12,696	-0.44	574	1,850	-69.0%	0	0	0.0%	133,963	22,791	487.8%	49,211	1,850	2,560.1%	
CRUDE OIL SPRDS	38	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	2,055	-92.7%	
CRUDE OIL SPRDS	ANT	0	-	0	-	-	180	-	-	0	-	-	0	-	-	180	-	-	
CRUDE OIL SPRDS	HIL	0	-	0	-	-	600	-	-	0	-	-	0	-	-	1,500	-	-	
CRUDE OIL SPRDS	WTT	0	0.0%	0	0	0	15,112	15,275	-1.1%	0	0	0.0%	0	0	0.0%	243,696	430,553	-43.4%	
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%	

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Energy Futures																			
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%	
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	0	0.0%	0	0	0.0%	0	0	0.0%	1,000	3,360	-70.2%	
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%	
DIESEL 10PPM BARGES FOB B	U7	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
DOMINION TRAN INC - APP I	IH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
DOMINION TRANSMISSION INC	PG	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	126	-100.0%	
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	125	-100.0%	
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0	537	11,775	-95.4%	0	0	0.0%	0	0	0.0%	18,592	111,582	-83.3%	
DUTCH TTF NATURAL GAS CAL	TTF	0	0	0.0%	21,086	2,583	7.16	0	0.0%	0	0	0.0%	147,866	20,654	615.9%	60	10	500.0%	
DY EURO 3.5% FUEL OI RDA	FOR	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	245	-100.0%	
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	187	-89.3%	
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	217	203	6.9%	0	0	0.0%	0	0	0.0%	3,639	3,373	7.9%	
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	55,380	-100.0%	
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%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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 HOUSTON Z MCPE 5M	I1	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,950	-100.0%	
ERCOT NORTH ZMCPE 5MW OF	I8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ERCOT NORTH ZMCPE 5MW OF	I6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	19,600	-100.0%	
ERCOT NORTH ZMCPE 5MW PE	I5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,050	-100.0%	
ETHANOL	MTH	0	-	-	0	-	0	-	-	0	-	-	0	-	-	50	-	-	
ETHANOL	Z1B	0	0	0.0%	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%	
ETHANOL SWAP	MT2	0	0	0.0%	0	0	495	30	1,550.0%	0	0	0.0%	0	0	0.0%	1,455	700	107.9%	
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	3,353	2,355	42.4%	0	0	0.0%	0	0	0.0%	44,366	40,167	10.5%	
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	33	-90.9%	
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	0	58	-100.0%	0	0	0.0%	0	0	0.0%	566	5,732	-90.1%	
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0	16	20	-20.0%	0	0	0.0%	0	0	0.0%	198	860	-77.0%	
EURO-DENOMINATED PETRO P	NCP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	640	-100.0%	
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	0	0	20	0	0.0%	0	0	0.0%	0	0	0.0%	20	370	-94.6%	
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0	4	24	-83.3%	0	0	0.0%	0	0	0.0%	648	570	13.7%	
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%	
EUROPE 3.5% FUEL OIL MED	UI	0	0	0.0%	0	0	28	10	180.0%	0	0	0.0%	0	0	0.0%	428	1,001	-57.2%	
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	443	1,607	-72.4%	0	0	0.0%	0	0	0.0%	11,053	78,702	-86.0%	
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	40	176	-0.77	0	0	0.0%	0	0.0%	1,268	7,105	-82.2%	0	0	0.0%	
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	15	48	-68.8%	0	0	0.0%	0	0	0.0%	1,463	3,087	-52.6%	
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	1,090	3,399	-67.9%	0	0	0.0%	0	0	0.0%	41,655	106,790	-61.0%	
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	0	580	-100.0%	0	0	0.0%	0	0	0.0%	1,633	5,300	-69.2%	
EUROPE JET KERO NWE CALS	UJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	8	39	-79.5%	
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	819	1,669	-50.9%	0	0	0.0%	0	0	0.0%	17,896	39,775	-55.0%	
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	726	942	-22.9%	0	0	0.0%	0	0	0.0%	21,688	21,260	2.0%	
FLORIDA GAS ZONE3 BASIS S	FP	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
FREIGHT MARKETS	ACB	0	-	-	0	-	120	-	-	0	-	-	0	-	-	1,140	-	-	
FREIGHT MARKETS	BF1	0	-	-	0	-	20	-	-	0	-	-	0	-	-	20	-	-	
FREIGHT MARKETS	BF2	0	-	-	0	-	20	-	-	0	-	-	0	-	-	20	-	-	
FREIGHT MARKETS	BF3	0	-	-	0	-	10	-	-	0	-	-	0	-	-	10	-	-	
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	117	348	-66.4%	0	0	0.0%	0	0	0.0%	1,633	2,533	-35.5%	
FREIGHT MARKETS	FRC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,652	600	175.3%	
FREIGHT MARKETS	FRS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	80	0	0.0%	
FREIGHT MARKETS	T2D	0	0	0.0%	0	0	15	310	-95.2%	0	0	0.0%	0	0	0.0%	6,105	4,983	22.5%	
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%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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																			
FREIGHT MARKETS	TD3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	140	30	366.7%	
FREIGHT MARKETS	TD8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	150	-60.0%	
FREIGHT MARKETS	USC	0	-	-	0	-	0	-	-	0	-	-	0	-	-	280	-	-	
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	0	1,957	1,108	76.6%	0	0	0.0%	0	0	0.0%	21,118	38,610	-45.3%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	171	-91.2%	
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6	154	-96.1%	
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	120	-100.0%	
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	0	50	424	-88.2%	0	0	0.0%	0	0	0.0%	1,634	2,553	-36.0%
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	1,276	4,650	-72.6%	0	0	0.0%	0	0	0.0%	51,343	86,232	-40.5%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	3,345	8,075	-58.6%	0	0	0.0%	0	0	0.0%	89,625	206,227	-56.5%
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	10	-100.0%	
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	0	0.0%	
GASOIL 0.1 CIF VS ICE GAS	8W	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	21	10	110.0%	
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	10	10	0.0%	0	0	0.0%	0	0	0.0%	149	1,506	-90.1%
GASOIL 10P CRG CIF NW VS	3V	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	0	9	-100.0%	0	0	0.0%	0	0	0.0%	39	21	85.7%
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	30	0	0.0%	0	0	0.0%	0	0	0.0%	305	66	362.1%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	204	1,188	-82.8%	0	0	0.0%	0	0	0.0%	10,730	39,294	-72.7%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	0	892	120	643.3%	0	0	0.0%	0	0	0.0%	6,175	2,947	109.5%
GERMAN POWER BASELOAD C	DEB	0	0	0.0%	2,731	962	1.84	12	0	0.0%	0	0	0.0%	26,684	5,441	390.4%	12	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	250	-100.0%	
GROUP THREE UNLEAD GAS (F	A9	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	425	-29.4%	
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	0	2,128	3,268	-34.9%	0	0	0.0%	0	0	0.0%	38,592	42,527	-9.3%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	0	2,155	2,495	-13.6%	0	0	0.0%	0	0	0.0%	29,467	25,837	14.0%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	363	446	-18.6%	0	0	0.0%	0	0	0.0%	9,191	14,048	-34.6%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	162	204	-20.6%	0	0	0.0%	0	0	0.0%	429	1,606	-73.3%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	0	7,318	16,525	-55.7%	0	0	0.0%	0	0	0.0%	217,981	403,914	-46.0%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	0	17,116	30,639	-44.1%	0	0	0.0%	2	0	0.0%	258,240	608,490	-57.6%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	0	550	936	-41.2%	0	0	0.0%	0	0	0.0%	3,688	18,242	-79.8%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	237	377	-37.1%	0	0	0.0%	0	0	0.0%	4,053	3,950	2.6%
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	360	1,655	-78.2%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Energy Futures																			
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	0	40	0	0.0%	0	0	0.0%	0	0	0.0%	605	243	149.0%
HEATING OIL CRCK SPRD BAL	1H	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	18	-	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	21,170	32,088	-34.0%
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	26,818	-100.0%	0	0	0.0%
HENRY HUB FINANCIAL LAST	TTE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	885	-100.0%	0	0	0.0%
HENRY HUB INDEX SWAP FUTL	IN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	21,170	32,088	-34.0%
HENRY HUB SWAP	NN	0	0	0.0%	0	614	-1	195,250	105,982	84.2%	0	0	0.0%	122	69,345	-99.8%	1,255,152	1,886,367	-33.5%
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	1,915	2,550	-24.9%	0	0	0.0%	0	0	0.0%	65,001	106,858	-39.2%
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	1,248	-100.0%
INDIANA MISO	FAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
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	206	40	415.0%	0	0	0.0%	0	0	0.0%	3,711	1,760	110.9%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	196	1,890	-89.6%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	0	262	829	-68.4%	0	0	0.0%	0	0	0.0%	10,336	23,044	-55.1%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	28	9	211.1%	0	0	0.0%	0	0	0.0%	361	637	-43.3%
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	35	-100.0%	0	0	0.0%	0	0	0.0%	262	677	-61.3%
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	0.0%	132	0	0.0%
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	0	2,246	5,705	-60.6%	0	0	0.0%	0	0	0.0%	45,594	71,272	-36.0%
JKM LNG Futures	JKM	0	0	0.0%	0	0	0	625	620	0.8%	0	0	0.0%	0	0	0.0%	21,367	16,299	31.1%
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	0	192	-100.0%	0	0	0.0%	0	0	0.0%	400	3,287	-87.8%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	100	160	-37.5%	0	0	0.0%	0	0	0.0%	2,975	5,670	-47.5%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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																			
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	900	595	51.3%	0	0	0.0%	0	0	0.0%	13,784	21,774	-36.7%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	607	-100.0%
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	0	0	1,195	-100.0%	0	0	0.0%	0	0	0.0%	19,989	60,624	-67.0%
LOS ANGELES CARB GASOLIN	MH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	10	0.0%
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	1,275	25	5,000.0%	0	0	0.0%	0	0	0.0%	16,030	22,295	-28.1%
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	75	-1	16,845	13,225	27.4%	0	0	0.0%	480	650	-26.2%	215,383	232,616	-7.4%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,319	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	0	0	0.0%	840	0	0	19,644	11,531	70.4%	0	0	0.0%	7,642	731	945.4%	349,867	273,441	27.9%
MCCLOSKEY RCH BAY COAL	MFF	0	0	0.0%	0	0	0	903	975	-7.4%	0	0	0.0%	0	0	0.0%	25,865	33,286	-22.3%
MGF FUT	MGF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	268	-96.3%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	30	110	-72.7%	0	0	0.0%	0	0	0.0%	540	923	-41.5%
MICHIGAN BASIS	NF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	HMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	HMW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MINI GAS EUROBOB OXY NWE	MEB	0	0	0.0%	0	0	0	90	104	-13.5%	0	0	0.0%	0	0	0.0%	2,169	3,902	-44.4%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	0	358	-100.0%	0	0	0.0%	0	0	0.0%	3,910	3,741	4.5%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	667	835	-20.1%	0	0	0.0%	0	0	0.0%	21,061	20,908	0.7%
MJC FUT	MJC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	1,460	-89.7%
MNC FUT	MNC	0	0	0.0%	0	0	0	1,431	2,854	-49.9%	0	0	0.0%	0	0	0.0%	37,392	48,644	-23.1%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	0	14,434	17,112	-15.6%	0	0	0.0%	0	0	0.0%	187,794	189,923	-1.1%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	347	210	65.2%	0	0	0.0%	0	0	0.0%	1,851	1,900	-2.6%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	6	25	-0.76	129,870	79,662	63.0%	0	0	0.0%	124	237	-47.7%	1,717,382	1,461,941	17.5%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	944	2,956	-68.1%	0	0	0.0%	0	0	0.0%	31,494	29,975	5.1%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	0	0	0	6,651	5,810	14.5%	0	0	0.0%	0	0	0.0%	105,357	97,757	7.8%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	625	565	10.6%	0	0	0.0%	0	0	0.0%	7,781	4,191	85.7%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	0	0	52,156	27,196	91.8%	0	0	0.0%	0	0	0.0%	581,603	427,121	36.2%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	1,407	916	53.6%	0	0	0.0%	0	0	0.0%	15,312	12,905	18.7%
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	16,368	32,241	-49.2%	0	0	0.0%	0	0	0.0%	345,737	422,431	-18.2%
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%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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 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%	
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%	71,600	136,440	-47.5%	
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%	220	12,711	-98.3%	
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
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%	
NEPOOL RHD ISLD 5MW D AH	U4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEPOOL RHODE IL 5MW D AH	U5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEPOOL W CNT MASS 5MW D A	L9	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
NEW YORK ETHANOL SWAP	EZ	0	0	0.0%	0	0	0	695	555	25.2%	0	0	0.0%	0	0	0.0%	10,043	12,583	-20.2%
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%	1,760	4,748	-62.9%	
NGPL TEX/OK	PD	0	0	0.0%	0	0	0	0	2,400	-100.0%	0	0	0.0%	0	0	0.0%	2,696	50,116	-94.6%
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	0.0%
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	0.0%
NO 2 UP-DOWN SPREAD CALE	UT	0	0	0.0%	0	0	0	0	150	-100.0%	0	0	0.0%	0	0	0.0%	925	3,133	-70.5%
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	0.0%
NORTHERN NATURAL GAS VENT	PF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
NORTHERN ILLINOIS OFF-PEA	UO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	0	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	59	-100.0%
NY1% VS GC SPREAD SWAP	VR	0	0	0.0%	0	0	0	460	1,465	-68.6%	0	0	0.0%	0	0	0.0%	5,447	15,373	-64.6%
NY 2.2% FUEL OIL (PLATTS	Y3	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	0	0	0.0%	0	0	0	0	110	-100.0%	0	0	0.0%	0	0	0.0%	775	1,905	-59.3%
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%	25	50	-50.0%
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	0	4	-1	1,219	1,673	-27.1%	0	0	0.0%	19	81	-76.5%	24,217	29,379	-17.6%
NY HARBOR LOW SULPUR GAS	NLS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	390	3,445	-88.7%
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	949	1,265	-25.0%	0	0	0.0%	0	0	0.0%	10,317	12,678	-18.6%
NY HARBOR RESIDUAL FUEL C	ML	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	1,410	60	2,250.0%	0	0	0.0%	0	0	0.0%	6,585	8,636	-23.7%
NYISO A	KA	-	0	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	0.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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 CAPACITY	LHV	0	0	0.0%	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	620	766	-19.1%	
NYISO CAPACITY	NNC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	795	-100.0%	
NYISO CAPACITY	NRS	0	0	0.0%	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	60	395	-84.8%	
NYISO G	KG	-	0	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	0.0%	
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	44,264	-100.0%	
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	1,890	-100.0%	
NYISO ZONE C 5MW D AH O P	A3	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NYISO ZONE C 5MW D AH PK	Q5	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	101,424	626,384	-83.8%	
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	8,394	21,159	-60.3%	
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%	2,000	0	0.0%	
NY ULSD (ARGUS) VS HEATING	7Y	0	0	0.0%	0	0	0	645	0.0%	0	0	0.0%	0	0	0.0%	3,415	213	1,503.3%	
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,860	2,704	-31.2%	
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
ONTARIO POWER SWAPS	OFM	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	25	10	150.0%	
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	0	0.0%	
PANHANDLE BASIS SWAP FUT	PH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	275	-100.0%	
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PETROCHEMICALS	22	0	0	0.0%	0	0	0	131	-5.8%	0	0	0.0%	0	0	0.0%	2,014	2,117	-4.9%	
PETROCHEMICALS	32	0	0	0.0%	0	0	0	47	-57.7%	0	0	0.0%	0	0	0.0%	1,185	1,745	-32.1%	
PETROCHEMICALS	3NA	0	0	0.0%	0	0	0	40	-100.0%	0	0	0.0%	0	0	0.0%	49	51	-3.9%	
PETROCHEMICALS	51	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	79	23	243.5%	
PETROCHEMICALS	8I	0	0	0.0%	0	0	0	598	349.6%	0	0	0.0%	0	0	0.0%	8,265	6,893	19.9%	
PETROCHEMICALS	91	0	0	0.0%	0	0	0	157	-28.6%	0	0	0.0%	0	0	0.0%	5,761	5,018	14.8%	
PETROCHEMICALS	HPE	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
PETROCHEMICALS	MAA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	280	50	460.0%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Energy Futures																			
PETROCHEMICALS	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	540	216	150.0%	0	0	0.0%	0	0	0.0%	4,609	2,780	65.8%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	0	168	170	-1.2%	0	0	0.0%	0	0	0.0%	2,450	2,251	8.8%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	0	10	270	-96.3%	0	0	0.0%	0	0	0.0%	3,975	9,160	-56.6%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	128	932	-86.3%	0	0	0.0%	0	0	0.0%	6,658	20,582	-67.7%
PETROCHEMICALS	MPS	0	0	0.0%	0	0	0	350	109	221.1%	0	0	0.0%	0	0	0.0%	2,774	1,462	89.7%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	0	0.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0	0	0	390	-100.0%	0	0	0.0%	0	0	0.0%	0	790	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	332	539	-38.4%
PETRO CRCKS & SPRDS NA	CRB	0	0	0.0%	0	0	0	4,495	6,055	-25.8%	0	0	0.0%	0	0	0.0%	77,511	35,880	116.0%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	1,067	1,773	-39.8%	0	0	0.0%	0	0	0.0%	27,974	32,982	-15.2%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	3,870	7,275	-46.8%
PETRO CRCKS & SPRDS NA	GBB	0	0	0.0%	0	0	0	625	2,035	-69.3%	0	0	0.0%	0	0	0.0%	6,749	14,760	-54.3%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,740	-100.0%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	885	347	155.0%	0	0	0.0%	0	0	0.0%	14,364	14,947	-3.9%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	300	163	84.0%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	2,004	8,077	-75.2%	0	0	0.0%	0	0	0.0%	42,072	130,251	-67.7%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	40	150.0%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	855	84	917.9%	0	0	0.0%	0	0	0.0%	19,331	9,206	110.0%
PETRO CRCKS & SPRDS NA	KSD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	225	0	0.0%
PETRO CRCKS & SPRDS NA	NYH	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	0	0	0.0%	0	0	0	2,236	325	588.0%	0	0	0.0%	0	0	0.0%	74,208	57,935	28.1%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	8,979	13,142	-31.7%	0	0	0.0%	0	0	0.0%	150,546	187,871	-19.9%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	0	0	55	25	120.0%	0	0	0.0%	0	0	0.0%	1,200	371	223.5%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	525	410	28.0%	0	0	0.0%	0	0	0.0%	11,233	20,126	-44.2%
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	0	0.0%	0	0	0.0%	0	0	0.0%	155	3,414	-95.5%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	0	0.0%
PETRO CRK&SPRD EURO	BOB	0	0	0.0%	0	0	0	39	437	-91.1%	0	0	0.0%	0	0	0.0%	5,351	18,153	-70.5%
PETRO CRK&SPRD EURO	EGB	-	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 DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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	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	0	0.0%	0	0	0.0%	0	0	0.0%	53	222	-76.1%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	194	255	-23.9%	0	0	0.0%	0	0	0.0%	6,232	10,741	-42.0%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	120	504	-76.2%	0	0	0.0%	0	0	0.0%	6,990	21,636	-67.7%
PETRO CRK&SPRD EURO	FBT	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	325	-100.0%	0	0	0.0%	0	0	0.0%	527	1,005	-47.6%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	84	-100.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	160	220	-27.3%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	0	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	140	173	-19.1%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	58	182	-68.1%
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	0	82	684	-88.0%	0	0	0.0%	0	0	0.0%	3,591	21,394	-83.2%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	56	125	-55.2%
PETROLEUM PRODUCTS	1NM	0	-	-	0	-	125	-	-	-	0	-	-	0	-	-	913	-	-
PETROLEUM PRODUCTS	EWB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	0	525	2,812	-81.3%	0	0	0.0%	0	0	0.0%	23,725	58,413	-59.4%
PETROLEUM PRODUCTS	H5F	0	-	-	0	-	228	-	-	-	0	-	-	0	-	-	5,396	-	-
PETROLEUM PRODUCTS	JCC	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	720	-	-
PETROLEUM PRODUCTS	MBS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	MGS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	MME	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	NCC	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	10	-	-
PETROLEUM PRODUCTS	R5F	0	-	-	0	-	10	-	-	-	0	-	-	0	-	-	42	-	-
PETROLEUM PRODUCTS	S53	0	-	-	0	-	0	-	-	-	0	-	-	0	-	-	56	-	-
PETROLEUM PRODUCTS	UP5	0	-	-	0	-	117	-	-	-	0	-	-	0	-	-	1,266	-	-
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	815	1,339	-39.1%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	168	714	-76.5%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	0	290	1,400	-79.3%	0	0	0.0%	0	0	0.0%	14,151	22,700	-37.7%
PETROLEUM PRODUCTS ASIA	MSB	0	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	OB	0	0	0.0%	0	0	0	110	20	450.0%	0	0	0.0%	0	0	0.0%	577	144	300.7%
PETRO OUTRIGHT EURO	OC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	45	23	95.7%
PETRO OUTRIGHT EURO	OD	0	0	0.0%	0	0	0	852	1,205	-29.3%	0	0	0.0%	0	0	0.0%	14,805	15,797	-6.3%
PETRO OUTRIGHT EURO	OE	0	0	0.0%	0	0	0	0	11	-100.0%	0	0	0.0%	0	0	0.0%	136	249	-45.4%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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	0F	0	0.0%	0	0	0	184	439	-58.1%	0	0	0.0%	0	0	0.0%	3,734	6,014	-37.9%
PETRO OUTRIGHT EURO	1T	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	8	39	-79.5%
PETRO OUTRIGHT EURO	33	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	5L	0	0.0%	0	0	0	10	22	-54.5%	0	0	0.0%	0	0	0.0%	246	286	-14.0%
PETRO OUTRIGHT EURO	63	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	107	217	-50.7%
PETRO OUTRIGHT EURO	6L	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	7I	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	985	1,235	-20.2%
PETRO OUTRIGHT EURO	7R	0	0.0%	0	0	0	12	77	-84.4%	0	0	0.0%	0	0	0.0%	1,358	3,083	-56.0%
PETRO OUTRIGHT EURO	88	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	31	125	-75.2%
PETRO OUTRIGHT EURO	CBB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	80	-37.5%
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	328	155	111.6%	0	0	0.0%	0	0	0.0%	2,708	3,608	-24.9%
PETRO OUTRIGHT EURO	EFF	0	0.0%	0	0	0	25	0	0.0%	0	0	0.0%	0	0	0.0%	219	185	18.4%
PETRO OUTRIGHT EURO	EFM	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	31	0	0.0%
PETRO OUTRIGHT EURO	ENS	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%	0	0	0.0%	163	150	8.7%
PETRO OUTRIGHT EURO	ESB	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	EWN	0	0.0%	0	0	0	87	599	-85.5%	0	0	0.0%	0	0	0.0%	4,356	8,461	-48.5%
PETRO OUTRIGHT EURO	FBD	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	FLB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6	5	20.0%
PETRO OUTRIGHT EURO	GES	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
PETRO OUTRIGHT EURO	H5G	0	-	-	0	-	345	-	-	0	-	-	0	-	-	1,602	-	-
PETRO OUTRIGHT EURO	M1B	0	-	-	0	-	592	-	-	0	-	-	0	-	-	2,237	-	-
PETRO OUTRIGHT EURO	M35	0	-	-	0	-	0	-	-	0	-	-	0	-	-	24	-	-
PETRO OUTRIGHT EURO	MBB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	321	-98.4%
PETRO OUTRIGHT EURO	MBN	0	0.0%	0	0	0	370	1,044	-64.6%	0	0	0.0%	0	0	0.0%	3,601	10,161	-64.6%
PETRO OUTRIGHT EURO	MEF	0	0.0%	0	0	0	38	312	-87.8%	0	0	0.0%	0	0	0.0%	3,535	1,812	95.1%
PETRO OUTRIGHT EURO	R53	0	-	-	0	-	0	-	-	0	-	-	0	-	-	203	-	-
PETRO OUTRIGHT EURO	R5M	0	-	-	0	-	259	-	-	0	-	-	0	-	-	1,867	-	-
PETRO OUTRIGHT EURO	R5O	0	-	-	0	-	340	-	-	0	-	-	0	-	-	2,569	-	-
PETRO OUTRIGHT EURO	S5F	0	-	-	0	-	19	-	-	0	-	-	0	-	-	155	-	-
PETRO OUTRIGHT EURO	S5M	0	-	-	0	-	756	-	-	0	-	-	0	-	-	2,470	-	-
PETRO OUTRIGHT EURO	S5O	0	-	-	0	-	356	-	-	0	-	-	0	-	-	861	-	-
PETRO OUTRIGHT EURO	SMU	0	0.0%	0	0	0	120	0	0.0%	0	0	0.0%	0	0	0.0%	970	553	75.4%
PETRO OUTRIGHT EURO	TO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	9	-100.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Energy Futures																		
PETRO OUTRIGHT EURO	T2B	0	-	-	0	-	0	-	-	0	-	-	0	-	-	15	-	-
PETRO OUTRIGHT EURO	TMB	0	-	-	0	-	0	-	-	0	-	-	0	-	-	50	-	-
PETRO OUTRIGHT EURO	ULB	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	980	-100.0%
PETRO OUTRIGHT EURO	X0	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	116	-100.0%
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	426	808	-47.3%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	8	-100.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	240	111	116.2%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	0	700	-59.3%	0	0	0.0%	0	0	0.0%	25,680	35,110	-26.9%
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	0	225	-50.0%	0	0	0.0%	0	0	0.0%	7,798	8,000	-2.5%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	10	0.0%	0	0	0.0%	0	0	0.0%	334	40	735.0%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	105	11.7%	0	0	0.0%	0	0	0.0%	1,862	4,846	-61.6%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	733	-47.8%	0	0	0.0%	0	0	0.0%	25,216	39,908	-36.8%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	172	0.0%	0	0	0.0%	0	0	0.0%	545	100	445.0%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	35	-12.5%	0	0	0.0%	0	0	0.0%	854	260	228.5%
PETRO OUTRIGHT NA	NYT	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	XER	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	7,440	-100.0%	0	0	0.0%	0	0	0.0%	117,180	72,197	62.3%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	840	-100.0%	0	0	0.0%	0	0	0.0%	2,560	15,198	-83.2%
PJM AECO DA OFF-PEAK	X1	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM AECO DA PEAK	Y1	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM APS ZONE DA OFF-PEAK	W4	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM APS ZONE DA PEAK	S4	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM ATSI ELEC	MOD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAILY	JD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM JCPL DA OFF-PEAK	F2	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PJM JCPL DA PEAK	J2	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%



NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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 NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0	0	840	-100.0%	0	0	0.0%	0	0	0.0%	3,845	7,220	-46.7%	
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	70,000	5,925	1,081.4%	
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	770	-100.0%	
PJM NILL DA PEAK	N3	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	64	-100.0%	
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
PJM PECO ZONE5MW PEAK CA	4N	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,960	-100.0%	
PJM PPL DA OFF-PEAK	F5	-	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%	
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	78,780	-100.0%	
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,235	-100.0%	
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	101,810	-100.0%	
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,525	-100.0%	
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0	0	20,040	-100.0%	0	0	0.0%	0	0	0.0%	47,100	392,520	-88.0%	
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	6,168	2,860	115.7%	0	0	0.0%	0	0	0.0%	59,799	63,850	-6.3%	
PLASTICS	PGP	0	0	0.0%	0	0	380	537	-29.2%	0	0	0.0%	0	0	0.0%	8,328	5,560	49.8%	
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	320	-100.0%	0	0	0.0%	0	0	0.0%	858	3,158	-72.8%	
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	139	443	-68.6%	
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	83	-75.9%	
PREM UNL GAS 10PPM RDAM F	7L	0	0	0.0%	0	0	0	40	-100.0%	0	0	0.0%	0	0	0.0%	35	366	-90.4%	
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	855	1,817	-52.9%	0	0	0.0%	0	0	0.0%	16,300	7,013	132.4%	
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	19,169	11,666	64.3%	0	0	0.0%	0	0	0.0%	240,228	150,843	59.3%	
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	4,364	3,201	36.3%	0	0	0.0%	0	0	0.0%	67,785	65,352	3.7%	
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	570	75	660.0%	0	0	0.0%	0	0	0.0%	14,130	9,658	46.3%	
RBOB CRACK SPREAD BALMO	1E	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	25	0	0.0%	
RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	693	509	36.1%	0	0	0.0%	0	0	0.0%	11,098	11,687	-5.0%	
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%	
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%	
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	1,975	-92.4%	
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	58	-100.0%	
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	360	-100.0%	
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	16	-100.0%	0	0	0.0%	0	0	0.0%	230	499	-53.9%	
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	5	160	-96.9%	0	0	0.0%	0	0	0.0%	937	2,454	-61.8%	
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	616	3,863	-84.1%	0	0	0.0%	0	0	0.0%	30,678	95,826	-68.0%	
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	81	201	-59.7%	0	0	0.0%	0	0	0.0%	2,511	8,683	-71.1%	

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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 FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	90	75	20.0%	0	0	0.0%	0	0	0.0%	778	6,261	-87.6%
SINGAPORE GASOIL	MAF	0	0	0.0%	0	0	0	816	2,695	-69.7%	0	0	0.0%	0	0	0.0%	23,372	4,748	392.2%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	65	61	6.6%	0	0	0.0%	0	0	0.0%	772	615	25.5%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	0	831	2,935	-71.7%	0	0	0.0%	0	0	0.0%	39,136	55,855	-29.9%
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	9	-100.0%	0	0	0.0%	0	0	0.0%	270	9	2,900.0%
SINGAPORE GASOIL CALEND	MGO	0	0	0.0%	0	0	0	0	21	-100.0%	0	0	0.0%	0	0	0.0%	0	221	-100.0%
SINGAPORE GASOIL CALEND	MSG	0	0	0.0%	0	0	0	1,343	250	437.2%	0	0	0.0%	0	0	0.0%	3,425	5,132	-33.3%
SINGAPORE GASOIL CALEND	SGG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	325	-100.0%
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	0	0	1,494	2,085	-28.3%	0	0	0.0%	0	2	-100.0%	12,033	49,342	-75.6%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	75	1,325	-94.3%	0	0	0.0%	0	0	0.0%	4,758	130,138	-96.3%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	215	-76.7%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	0	525	-100.0%	0	0	0.0%	0	0	0.0%	100	35,345	-99.7%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	1,414	175	708.0%	0	0	0.0%	0	0	0.0%	7,909	13,450	-41.2%
SINGAPORE JET KERO VS. GAS	Z0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	400	-100.0%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	0	296	-100.0%	0	0	0.0%	0	0	0.0%	1,500	6,067	-75.3%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	0	6,835	10,126	-32.5%	0	0	0.0%	0	2	-100.0%	101,129	162,078	-37.6%
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%	30	100	-70.0%
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	5	0	0.0%	0	0	0.0%	0	0	0.0%	2,461	1,052	133.9%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	195	480	-59.4%	0	0	0.0%	0	0	0.0%	3,611	1,665	116.9%
TCO BASIS SWAP	TC	0	0	0.0%	0	0	0	0	856	-100.0%	0	0	0.0%	0	0	0.0%	0	856	-100.0%
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	2,409	3,125	-22.9%	0	0	0.0%	0	0	0.0%	61,189	20,671	196.0%
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%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Energy Futures																			
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	20	-100.0%	0	0	0.0%	0	0	0.0%	20	80	-75.0%	
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	1,106	970	0.14	0	0	0.0%	0	0	0.0%	7,445	49,232	-84.9%	0	150	-100.0%
ULSD 10PPM CIF MED SWAP	Z6	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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	9,575	3,600	166.0%	0	0	0.0%	0	0	0.0%	70,855	67,675	4.7%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	0	28,961	20,772	39.4%	0	0	0.0%	0	0	0.0%	409,270	383,467	6.7%
WAHA BASIS	NW	0	0	0.0%	0	0	0	0	250	-100.0%	0	0	0.0%	0	0	0.0%	650	3,451	-81.2%
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	25	-100.0%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0	0	250	0	0.0%	0	0	0.0%	0	0	0.0%	2,203	6,650	-66.9%
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	0	31,709	13,439	135.9%	0	0	0.0%	0	6	-100.0%	428,919	346,944	23.6%
WTI CALENDAR	CS	0	0	0.0%	0	0	0	50,289	25,795	95.0%	0	0	0.0%	0	0	0.0%	512,762	399,374	28.4%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	6,373	2,574	147.6%	0	0	0.0%	0	0	0.0%	52,510	91,302	-42.5%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	7,270	6,345	14.6%
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	186	3,000	-93.8%	0	0	0.0%	0	24	-100.0%	4,896	16,438	-70.2%
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	100	12,000	-99.2%	0	0	0.0%	1,800	3,000	-40.0%	34,090	420,088	-91.9%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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																		
BRENT CRUDE OIL 6 M CSO	9L	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,000	-100.0%
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	16,750	64,882	-74.2%	0	0	0.0%	0	0	0.0%	372,326	469,058	-20.6%
BRENT OIL LAST DAY	BZO	0	0	0.0%	25,102	70,677	28,000	27,875	0.4%	0	0	0.0%	709,897	875,136	-18.9%	378,807	1,092,133	-65.3%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	100	0	0	0.0%	0	0	0.0%	0	290	-100.0%	0	1,000	-100.0%
COAL API2 INDEX	CLA	0	0	0.0%	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	225	6,640	-96.6%
COAL API2 INDEX	CQA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	835	3,655	-77.2%
COAL API2 INDEX	MTC	-	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	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	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%
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%
CRUDE OIL	6Y	0	-	-	0	-	0	-	-	0	-	-	0	-	-	150	-	-
CRUDE OIL 1MO	WA	0	0	0.0%	4,450	7,400	101,602	172,100	-41.0%	0	0	0.0%	95,237	196,385	-51.5%	2,365,427	2,214,265	6.8%
CRUDE OIL APO	AO	0	0	0.0%	0	0	99,113	47,949	106.7%	0	0	0.0%	3	336	-99.1%	639,486	534,511	19.6%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	400	170	135.3%
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	8,000	-100.0%
CRUDE OIL OUTRIGHTS	DBP	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	WCI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	960	390	146.2%
CRUDE OIL PHY	CD	0	0	0.0%	0	0	500	500	0.0%	0	0	0.0%	0	0	0.0%	1,800	21,350	-91.6%
CRUDE OIL PHY	LC	0	0	0.0%	0	24	14,720	20,027	-26.5%	0	0	0.0%	80	748	-89.3%	138,804	148,278	-6.4%
CRUDE OIL PHY	LO	0	0	0.0%	1,676,040	2,722,954	321,516	504,074	-36.2%	0	0	0.0%	26,710,035	36,521,704	-26.9%	4,540,932	8,000,278	-43.2%
CRUDE OIL PHY	LO1	0	0	0.0%	37,861	19,355	0	0	0.0%	0	0	0.0%	209,302	188,460	11.1%	875	483	81.2%
CRUDE OIL PHY	LO2	0	0	0.0%	26,576	738	50	0	0.0%	0	0	0.0%	178,513	179,122	-0.3%	600	450	33.3%
CRUDE OIL PHY	LO3	0	0	0.0%	25,349	25,872	50	0	0.0%	0	0	0.0%	124,176	160,640	-22.7%	750	325	130.8%
CRUDE OIL PHY	LO4	0	0	0.0%	21,788	17,766	1,350	700	92.9%	0	0	0.0%	205,496	201,018	2.2%	1,650	1,050	57.1%
CRUDE OIL PHY	LO5	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	69,059	71,160	-3.0%	700	475	47.4%
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	0	0.0%	0	0	0.0%	0	0	0.0%	0	150	-100.0%
ETHANOL SWAP	CVR	0	0	0.0%	0	0	5,220	3,712	40.6%	0	0	0.0%	0	0	0.0%	121,721	70,070	73.7%
ETHANOL SWAP	GVR	0	0	0.0%	0	0	270	405	-33.3%	0	0	0.0%	0	0	0.0%	1,050	3,898	-73.1%
EUROPEAN JET KEROSENE N	30	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
FREIGHT MARKETS	TDT	0	-	-	0	-	0	-	-	0	-	-	0	-	-	1,800	-	-
GASOLINE	GCE	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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																			
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	372	1,048	-64.5%	0	0	0.0%	2	0	0.0%	2,372	2,767	-14.3%
HEATING OIL PHY	OH	0	0	0.0%	3,014	4,643	-0.35	8,890	32,738	-72.8%	0	0	0.0%	53,884	63,035	-14.5%	262,551	323,824	-18.9%
HENRY HUB FINANCIAL LAST	E7	0	0	0.0%	0	0	0	6,138	4,495	36.6%	0	0	0.0%	94	5	1,780.0%	70,802	52,498	34.9%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,550	2,600	-1.9%
LLS CRUDE OIL	WJO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-100.0%
LLS CRUDE OIL	YVO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	MTO	0	0	0.0%	0	0	0	75	0	0.0%	0	0	0.0%	0	0	0.0%	555	290	91.4%
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,125	2,145	-47.6%
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%	6,900	1,705	3.05	276,700	76,834	260.1%	0	0	0.0%	46,275	4,334	967.7%	1,152,030	566,475	103.4%
NATURAL GAS 2 M CSO FIN	G2	0	0	0.0%	0	0	0	10,100	0	0.0%	0	0	0.0%	0	0	0.0%	31,150	1,430	2,078.3%
NATURAL GAS 3 M CSO FIN	G3	0	0	0.0%	0	0	0	23,500	0	0.0%	0	0	0.0%	0	1	-100.0%	251,925	44,245	469.4%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0	0	300	0	0.0%	0	0	0.0%	0	0	0.0%	6,400	2,550	151.0%
NATURAL GAS 6 M CSO FIN	G6	0	0	0.0%	0	0	0	29,350	6,350	362.2%	0	0	0.0%	0	0	0.0%	136,025	102,850	32.3%
NATURAL GAS OPTION ON CAL	6J	0	0	0.0%	0	0	0	2,400	2,980	-19.5%	0	0	0.0%	0	0	0.0%	31,440	37,282	-15.7%
NATURAL GAS PHY	KD	0	0	0.0%	249	0	0	2,225	1,045	112.9%	0	0	0.0%	6,990	123,504	-94.3%	39,765	79,130	-49.7%
NATURAL GAS PHY	LN	0	0	0.0%	1,111,450	1,014,717	0.1	654,242	710,139	-7.9%	0	0	0.0%	11,157,630	13,996,569	-20.3%	8,074,739	8,856,335	-8.8%
NATURAL GAS PHY	ON	0	0	0.0%	176,343	137,110	0.29	3,765	11,046	-65.9%	0	0	0.0%	1,541,972	2,216,337	-30.4%	39,281	166,782	-76.4%
NATURAL GAS WINTER STRIP	6I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,500	2,700	-44.4%
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,352	3,556	22.4%
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	10	8	0.25	1,260	3,672	-65.7%	0	0	0.0%	453	610	-25.7%	27,408	35,172	-22.1%
NYISO ZONE G 5MW PEAK OPT	9U	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL AP	F7	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PANHANDLE PIPE SWAP	PU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	4H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	41	23	78.3%	4,831	6,639	-27.2%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	1,350	-85.2%
PETROCHEMICALS	4K	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	560	3,300	-83.0%
PETROCHEMICALS	CPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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	-	-	0	-	-	0	36	-	-
PETRO OUTRIGHT NA	DAP	0	0	0.0%	0	0	0	120	240	-50.0%	0	0	0.0%	0	0	0.0%	660	792	-16.7%
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0	0	200	60	233.3%	0	0	0.0%	0	0	0.0%	1,200	860	39.5%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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																			
PJM WES HUB PEAK CAL MTH	JOA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	880	-100.0%	
PJM WES HUB PEAK LMP 50MW	PMA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	836	7,488	-88.8%	
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	700	-78.6%	
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0	60	225	-73.3%	0	0	0.0%	0	0	0.0%	636	1,350	-52.9%	
RBOB CRACK	RX	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	2	-100.0%	0	0	0.0%	
RBOB PHY	OB	0	0	0.0%	1,499	2,543	-0.41	3,130	6,265	-50.0%	0	0	0.0%	39,029	39,205	-0.4%	114,490	105,727	8.3%
RBOB PHY	RF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	6	0	0.0%	1,618	125	1,194.4%	
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,880	2,149	80.5%	
SHORT TERM	C15	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	500	-100.0%	
SHORT TERM	U11	0	0	0.0%	0	0	500	0	0.0%	0	0	0.0%	0	111	-100.0%	1,250	1,125	11.1%	
SHORT TERM	U12	0	0	0.0%	0	0	50	0	0.0%	0	0	0.0%	0	100	-100.0%	1,530	1,800	-15.0%	
SHORT TERM	U13	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	1	0	0.0%	250	500	-50.0%	
SHORT TERM	U14	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	13	-100.0%	150	850	-82.4%	
SHORT TERM	U15	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	25	147	-83.0%	1,650	650	153.8%	
SHORT TERM	U22	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	1	96	-99.0%	0	1,175	-100.0%	
SHORT TERM	U23	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	17	148	-88.5%	100	750	-86.7%	
SHORT TERM	U24	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	379	-100.0%	250	500	-50.0%	
SHORT TERM	U25	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	2	-100.0%	0	150	-100.0%	
SHORT TERM	U26	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	600	-83.3%	
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	25	0	0.0%	625	550	13.6%	
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	98	-100.0%	675	2,700	-75.0%	
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	4	54	-92.6%	700	2,225	-68.5%	
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0	400	0	0.0%	0	0	0.0%	0	125	-100.0%	1,400	1,850	-24.3%	
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	375	0	0.0%	0	0	0.0%	0	100	-100.0%	625	1,530	-59.2%	
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	100	0	0.0%	0	0	0.0%	5	50	-90.0%	600	1,450	-58.6%	
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	4	1	300.0%	750	1,850	-59.5%	
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	52	-100.0%	2,650	1,425	86.0%	
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0	100	0	0.0%	0	0	0.0%	0	34	-100.0%	800	1,600	-50.0%	
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,150	1,250	-8.0%	
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	150	-100.0%	250	550	-54.5%	
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	96	-100.0%	450	2,200	-79.5%	
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	25	22	13.6%	300	1,600	-81.3%	
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	123	-100.0%	200	225	-11.1%	

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 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																			
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	25	-100.0%	500	1,400	-64.3%	
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	0	0	250	-100.0%	0	0	0.0%	0	13	-100.0%	50	600	-91.7%	
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0	0	100	-100.0%	0	0	0.0%	0	25	-100.0%	0	500	-100.0%	
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	25	0	0.0%	400	100	300.0%	
SHORT TERM NATURAL GAS	U29	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	10	-100.0%	150	500	-70.0%	
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	800	100	700.0%	
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0	0	450	-100.0%	0	0	0.0%	0	27	-100.0%	1,400	450	211.1%	
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%	
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%	
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%	1,750	1,710	0.02	17,075	15,875	7.6%	0	0	0.0%	40,855	150,045	-72.8%	543,475	706,270	-23.0%
WTI CRUDE OIL 1 M CSO FI	7A	0	0	0.0%	0	0	0	29,740	26,900	10.6%	0	0	0.0%	8,600	15,050	-42.9%	587,660	878,890	-33.1%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Metals Futures																			
COMEX GOLD	GC	0	0	0.0%	5,222,845	3,944,681	0.32	171,354	187,328	-8.5%	0	0	0.0%	83,862,556	77,451,789	8.3%	2,646,185	2,849,801	-7.1%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	2,716	1,663	0.63	6,377	5,542	15.1%	0	0	0.0%	36,035	35,596	1.2%	137,721	83,973	64.0%
NYMEX PLATINUM	PL	0	0	0.0%	571,718	480,850	0.19	16,479	17,315	-4.8%	0	0	0.0%	5,669,754	5,310,653	6.8%	192,536	153,146	25.7%
PALLADIUM	PA	0	0	0.0%	80,975	71,523	0.13	2,074	3,365	-38.4%	0	0	0.0%	1,226,858	1,376,227	-10.9%	39,843	57,485	-30.7%
URANIUM	UX	0	0	0.0%	20	6	2.33	0	708	-100.0%	0	0	0.0%	432	799	-45.9%	10,189	6,363	60.1%
COMEX SILVER	SI	0	0	0.0%	1,505,213	1,262,271	0.19	37,513	38,349	-2.2%	0	0	0.0%	23,598,917	23,318,975	1.2%	550,231	668,076	-17.6%
COMEX E-Mini GOLD	QO	0	0	0.0%	15,678	4,651	2.37	0	0	0.0%	0	0	0.0%	241,481	96,481	150.3%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	2,021	847	1.39	0	0	0.0%	0	0	0.0%	49,552	13,401	269.8%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	1,651,846	1,384,254	0.19	13,872	21,883	-36.6%	0	0	0.0%	23,828,982	32,393,775	-26.4%	179,878	316,328	-43.1%
COMEX MINY COPPER	QC	0	0	0.0%	320	262	0.22	0	0	0.0%	0	0	0.0%	7,449	5,195	43.4%	0	0	0.0%
ALUMINUM	A38	0	0	0.0%	0	0	0	0	40	-100.0%	0	0	0.0%	0	0	0.0%	22	112	-80.4%
ALUMINUM	AEP	0	0	0.0%	470	20	22.5	1,815	1,471	23.4%	0	0	0.0%	645	138	367.4%	30,975	19,930	55.4%
ALUMINUM	ALA	0	0	0.0%	20	0	0	0	0	0.0%	0	0	0.0%	20	0	0.0%	1,162	5,755	-79.8%
ALUMINUM	ALI	0	0	0.0%	2,693	0	0	28	0	0.0%	0	0	0.0%	15,501	0	0.0%	158	0	0.0%
ALUMINUM	AUP	0	0	0.0%	1,191	415	1.87	6,124	3,019	102.8%	0	0	0.0%	8,050	8,570	-6.1%	73,708	90,352	-18.4%
ALUMINUM	CUP	0	0	0.0%	300	0	0	0	0	0.0%	0	0	0.0%	300	25	1,100.0%	0	180	-100.0%
ALUMINUM	EDP	0	0	0.0%	0	0	0	1,083	634	70.8%	0	0	0.0%	72	122	-41.0%	27,343	17,608	55.3%
ALUMINUM	MJP	0	0	0.0%	0	0	0	1,050	780	34.6%	0	0	0.0%	0	76	-100.0%	11,560	13,079	-11.6%
COPPER	HGS	0	0	0.0%	0	0	0	1,244	1,031	20.7%	0	0	0.0%	0	0	0.0%	11,165	17,294	-35.4%
FERROUS PRODUCTS	BUS	0	0	0.0%	356	140	1.54	0	1,060	-100.0%	0	0	0.0%	5,375	1,263	325.6%	7,078	18,912	-62.6%
GOLD	GPS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GOLD	SGC	0	-	-	827	-	0	-	-	-	0	-	-	14,828	-	-	0	-	-
GOLD	SGU	0	-	-	6,541	-	0	-	-	-	0	-	-	27,891	-	-	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	2	-1	1,566	1,579	-0.8%	0	0	0.0%	28	174	-83.9%	54,102	43,953	23.1%
LNDN ZINC	ZNC	0	0	0.0%	0	582	-1	0	0	0.0%	0	0	0.0%	1,230	14,057	-91.2%	0	0	0.0%
MICRO GOLD	MGC	0	0	0.0%	512,931	155,462	2.3	0	0	0.0%	0	0	0.0%	5,707,849	1,801,078	216.9%	0	0	0.0%
SILVER	SIL	0	0	0.0%	27,758	10,730	1.59	0	0	0.0%	0	0	0.0%	354,422	100,519	252.6%	0	0	0.0%



NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG	
Metals Options																			
COMEX COPPER	HX	0	0	0.0%	45,388	17,812	1.55	8,262	7,725	7.0%	0	0	0.0%	517,205	257,957	100.5%	187,601	93,823	100.0%
COMEX GOLD	OG	0	0	0.0%	635,173	830,990	-0.24	222,091	139,915	58.7%	0	0	0.0%	11,602,169	9,379,120	23.7%	3,441,780	2,372,135	45.1%
COMEX SILVER	SO	0	0	0.0%	145,993	98,597	0.48	13,884	16,140	-14.0%	0	0	0.0%	1,980,570	1,514,305	30.8%	227,667	332,882	-31.6%
COPPER	H1E	0	0	0.0%	120	16	6.5	0	0	0.0%	0	0	0.0%	764	78	879.5%	0	100	-100.0%
COPPER	H2E	0	0	0.0%	128	6	20.33	0	0	0.0%	0	0	0.0%	941	154	511.0%	125	0	0.0%
COPPER	H3E	0	0	0.0%	111	6	17.5	0	0	0.0%	0	0	0.0%	1,133	119	852.1%	0	0	0.0%
COPPER	H4E	0	0	0.0%	1	6	-0.83	0	0	0.0%	0	0	0.0%	211	177	19.2%	150	0	0.0%
COPPER	H5E	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	603	12	4,925.0%	0	0	0.0%
GOLD	OG1	0	0	0.0%	38,782	14,609	1.65	1,850	200	825.0%	0	0	0.0%	459,939	135,239	240.1%	33,430	2,110	1,484.4%
GOLD	OG2	0	0	0.0%	43,841	15,876	1.76	1,850	350	428.6%	0	0	0.0%	429,322	125,254	242.8%	31,607	3,870	716.7%
GOLD	OG3	0	0	0.0%	44,303	16,237	1.73	1,975	2,525	-21.8%	0	0	0.0%	368,376	138,274	166.4%	20,854	6,525	219.6%
GOLD	OG4	0	0	0.0%	17,206	9,622	0.79	300	150	100.0%	0	0	0.0%	233,860	86,355	170.8%	9,375	1,900	393.4%
GOLD	OG5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	80,172	32,861	144.0%	3,275	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%	1,050	300	250.0%
HOT ROLLED COIL STEEL PUT	HRO	0	-	-	0	-	0	-	-	0	-	-	0	-	-	0	150	-	-
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%	6,830	200	3,315.0%
IRON ORE 62 CHINA TSI PUT O	ICT	0	0	0.0%	0	0	0	30	0	0.0%	0	0	0.0%	0	0	0.0%	3,630	1,280	183.6%
NYMEX PLATINUM	PO	0	0	0.0%	952	1,003	-0.05	3,200	1,550	106.5%	0	0	0.0%	15,971	21,021	-24.0%	25,441	24,351	4.5%
PALLADIUM	PAO	0	0	0.0%	464	545	-0.15	175	300	-41.7%	0	0	0.0%	6,998	15,555	-55.0%	7,319	13,978	-47.6%
SILVER	SO1	0	0	0.0%	5,200	239	20.76	0	0	0.0%	0	0	0.0%	25,639	5,789	342.9%	1,325	0	0.0%
SILVER	SO2	0	0	0.0%	6,107	590	9.35	0	0	0.0%	0	0	0.0%	25,564	5,708	347.9%	1,400	0	0.0%
SILVER	SO3	0	0	0.0%	1,642	1,718	-0.04	0	0	0.0%	0	0	0.0%	19,087	8,489	124.8%	615	0	0.0%
SILVER	SO4	0	0	0.0%	1,168	567	1.06	604	0	0.0%	0	0	0.0%	8,155	4,486	81.8%	704	0	0.0%
SILVER	SO5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	5,419	2,746	97.3%	0	0	0.0%
TOTAL FUTURES GROUP																			
Ag Products Futures		0	0	0.0%	1	1	0.0%	0	0	0.0%	0	0	0.0%	59	85	-30.6%	0	0	0.0%
Energy Futures		0	0	0.0%	37,164,524	38,854,929	-4.4%	2,102,353	2,162,660	-2.8%	0	0	0.0%	507,195,550	532,773,400	-4.8%	29,895,919	32,470,890	-7.9%
Metals Futures		0	0	0.0%	9,606,439	7,318,359	31.3%	260,579	284,104	-8.3%	0	0	0.0%	144,658,227	141,929,049	1.9%	3,973,856	4,362,347	-8.9%
TOTAL FUTURES		0	0	0.0%	46,770,964	46,173,289	1.3%	2,362,932	2,446,764	-3.4%	0	0	0.0%	651,853,836	674,702,534	-3.4%	33,869,775	36,833,237	-8.0%

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2019	Open Outcry DEC 2018	% CHG	ELEC DEC 2019	ELEC DEC 2018	% CHG	CME ClearPort DEC 2019	CME ClearPort DEC 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG	CME ClearPort Y.T.D 2019	CME ClearPort Y.T.D 2018	% CHG
TOTAL OPTIONS GROUP																		
Energy Options	0	0	0.0%	3,118,381	4,027,322	-22.6%	1,660,994	1,757,986	-5.5%	0	0	0.0%	41,199,561	55,008,744	-25.1%	20,024,281	25,052,021	-20.1%
Metals Options	0	0	0.0%	986,579	1,008,439	-2.2%	254,221	168,855	50.6%	0	0	0.0%	15,782,098	11,733,699	34.5%	4,004,328	2,853,454	40.3%
TOTAL OPTIONS	0	0	0.0%	4,104,960	5,035,761	-18.5%	1,915,215	1,926,841	-0.6%	0	0	0.0%	56,981,659	66,742,443	-14.6%	24,028,609	27,905,475	-13.9%
TOTAL COMBINED																		
Ag Products	0	0	0.0%	1	1	0.0%	0	0	0.0%	0	0	0.0%	59	85	-30.6%	0	0	0.0%
Energy	0	0	0.0%	40,282,905	42,882,251	-6.1%	3,763,347	3,920,646	-4.0%	0	0	0.0%	548,395,111	587,782,144	-6.7%	49,920,200	57,522,911	-13.2%
Metals	0	0	0.0%	10,593,018	8,326,798	27.2%	514,800	452,959	13.7%	0	0	0.0%	160,440,325	153,662,748	4.4%	7,978,184	7,215,801	10.6%
GRAND TOTAL	0	0	0.0%	50,875,924	51,209,050	-0.7%	4,278,147	4,373,605	-2.2%	0	0	0.0%	708,835,495	741,444,977	-4.4%	57,898,384	64,738,712	-10.6%