

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2022	Open Outcry DEC 2021	% CHG	ELEC DEC 2022	ELEC DEC 2021	% CHG	CME ClearPort DEC 2022	CME ClearPort DEC 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG	CME ClearPort Y.T.D 2022	CME ClearPort Y.T.D 2021	% CHG	
Ag Products Futures																			
COFFEE	KT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	2	-100.0%	0	0	0.0%	
COTTON	TT	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
SUGAR 11	YO	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
Energy Futures																			
CRUDE OIL PHY	CL	0	0	0.0%	14,502,726	16,945,462	-0.14	307,003	384,293	-20.1%	0	0	0.0%	201,701,217	243,368,226	-17.1%	4,296,613	4,946,255	-13.1%
CRUDE OIL	WS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,000	3,732	-73.2%	
MINY WTI CRUDE OIL	QM	0	0	0.0%	386,580	479,671	-0.19	0	0	0.0%	0	0	0.0%	6,940,633	5,261,224	31.9%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	1,117,574	1,680,516	-0.33	24,577	30,248	-18.7%	0	0	0.0%	17,052,115	23,913,280	-28.7%	306,885	270,856	13.3%
HEATING OIL PHY	HO	0	0	0.0%	2,833,396	2,674,621	0.06	91,232	130,311	-30.0%	0	0	0.0%	38,400,032	36,564,712	5.0%	1,268,750	2,146,785	-40.9%
HTG OIL	BH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	108	124	-12.9%	
MINY HTG OIL	QH	0	0	0.0%	8	13	-0.38	0	0	0.0%	0	0	0.0%	107	83	28.9%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	2,685,903	3,181,981	-0.16	113,510	130,924	-13.3%	0	0	0.0%	39,277,269	45,643,987	-13.9%	1,761,861	2,194,011	-19.7%
MINY RBOB GAS	QU	0	0	0.0%	6	13	-0.54	0	0	0.0%	0	0	0.0%	101	107	-5.6%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	43,829	36,032	0.22	98,842	83,392	18.5%	0	0	0.0%	508,979	631,245	-19.4%	1,479,461	1,260,314	17.4%
LTD NAT GAS	HH	0	0	0.0%	295,471	265,594	0.11	192,730	130,777	47.4%	0	0	0.0%	2,941,301	2,856,286	3.0%	1,447,773	1,246,559	16.1%
MINY NATURAL GAS	QG	0	0	0.0%	381,570	194,234	0.96	0	0	0.0%	0	0	0.0%	3,792,547	2,305,179	64.5%	288	0	0.0%
PJM MONTHLY	JM	-	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%	7,154,003	7,522,225	-0.05	188,631	147,889	27.5%	0	0	0.0%	84,170,185	95,799,648	-12.1%	1,705,355	1,789,147	-4.7%
RBOB GAS	RT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	72	84	-14.3%	
3.5% FUEL OIL CID MED SWA	7D	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	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%	
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	0	0	0	1,950	2,430	-19.8%	0	0	0.0%	0	0	0.0%	65,140	95,438	-31.7%
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	6,897	3,724	85.2%	0	0	0.0%	0	0	0.0%	73,213	71,225	2.8%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	1,924	1,592	20.9%	0	0	0.0%	0	0	0.0%	24,334	21,736	12.0%
AUSTRIALIAN COKE COAL	ALW	-	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%	1,587	1,314	20.8%	
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	10,020	21,560	-53.5%	0	0	0.0%	0	0	0.0%	163,945	134,241	22.1%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,000	-100.0%	
BRENT FINANCIAL FUTURES	MBC	0	0	0.0%	0	0	0	240	0	0.0%	0	0	0.0%	0	0	0.0%	490	0	0.0%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	68	-100.0%	

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Energy Futures																			
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%	
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%	
CAR VINTAGE	GEO	0	0	0.0%	1,593	1,519	0.05	1,306	730	78.9%	0	0	0.0%	22,054	10,896	102.4%	21,027	5,224	302.5%
CAR VINTAGE	NGO	0	0	0.0%	3,655	827	3.42	10,175	2,948	245.1%	0	0	0.0%	49,322	12,239	303.0%	93,669	18,790	398.5%
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	10	295	-0.97	44,204	53,975	-18.1%	0	0	0.0%	1,786	4,127	-56.7%	695,440	862,630	-19.4%
CHICAGO ULSD PL VS HO SPR	5C	0	0	0.0%	0	0	0	330	30	1,000.0%	0	0	0.0%	0	0	0.0%	7,453	3,752	98.6%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	500	-100.0%
CIG BASIS	CI	-	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	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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%
CIN HUB 5MW REAL TIME PK	H3	-	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%
CONWAY NATURAL GASOLINE	8L	0	0	0.0%	0	0	0	131	111	18.0%	0	0	0.0%	0	0	0.0%	3,107	3,419	-9.1%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	521	396	31.6%	0	0	0.0%	0	0	0.0%	4,633	3,593	28.9%
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	0	0	0	27,578	12,858	114.5%	0	0	0.0%	80	31	158.1%	208,358	176,316	18.2%
CRUDE OIL	LPS	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 LAST DAY	26	0	0	0.0%	0	0	0	4,098	0	0.0%	0	0	0.0%	0	0	0.0%	8,817	3,130	181.7%
CRUDE OIL OUTRIGHTS	42	0	0	0.0%	0	0	0	603	283	113.1%	0	0	0.0%	0	0	0.0%	10,161	3,625	180.3%
CRUDE OIL OUTRIGHTS	CC5	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,988	9,906	-79.9%
CRUDE OIL OUTRIGHTS	CSW	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	1,320	14,319	-90.8%
CRUDE OIL OUTRIGHTS	DAB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	DBL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	105	2,464	-95.7%
CRUDE OIL OUTRIGHTS	HTT	0	0	0.0%	127	0	0	75,855	50,680	49.7%	0	0	0.0%	736	0	0.0%	888,482	747,700	18.8%
CRUDE OIL OUTRIGHTS	LSW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,347	10,372	-58.1%
CRUDE OIL OUTRIGHTS	WCW	0	0	0.0%	0	0	0	0	730	-100.0%	0	0	0.0%	0	0	0.0%	17,420	42,367	-58.9%
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	0.0%
CRUDE OIL PHY	HCL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	17,605	-100.0%	0	2,542	-100.0%
CRUDE OIL PHY	MCL	0	0	0.0%	1,838,937	1,714,617	0.07	0	0	0.0%	0	0	0.0%	30,080,874	8,368,659	259.4%	0	0	0.0%
CRUDE OIL SPRDS	38	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL SPRDS	ANT	0	0	0.0%	0	0	0	0	184	-100.0%	0	0	0.0%	0	0	0.0%	8,466	5,895	43.6%
CRUDE OIL SPRDS	HIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,255	5,590	-41.8%
CRUDE OIL SPRDS	WTT	0	0	0.0%	109	0	0	46,119	21,687	112.7%	0	0	0.0%	288	0	0.0%	617,692	316,326	95.3%
CRUDE OIL TRADE AT MARKER	CLS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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Energy Futures																			
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%	
DAILY PJM	PNP	-	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%	
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%	2,220	2,715	-18.2%	
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%	5	30	-83.3%	
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%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,000	0	0.0%	
DUTCH TTF NATURAL GAS CAL	TTF	0	0	0.0%	0	10,892	0	404	-100.0%	0	0	0.0%	10,828	401,208	-97.3%	3,779	43,469	-91.3%	
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	6	-100.0%	0	0	0.0%	0	0	0.0%	0	6	-100.0%	
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	292	1,004	-70.9%	0	0	0.0%	12	1	1,100.0%	2,291	5,370	-57.3%	
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%	
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%	
EMMISSIONS	CGO	0	-	-	1,144	-	0	-	-	0	-	-	23,572	-	-	0	-	-	
ETHANOL	MTH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	10	0.0%	
ETHANOL SWAP	MT2	0	0	0.0%	0	0	230	120	91.7%	0	0	0.0%	0	0	0.0%	2,350	2,248	4.5%	
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	2,915	2,697	8.1%	0	0	0.0%	0	0	0.0%	41,448	43,567	-4.9%	
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	81	-100.0%	
EURO 3.5% FUEL OIL SPREAD	FK	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
EURO GASOIL 10 CAL SWAP	GT	0	-	-	0	-	0	-	-	0	-	-	0	-	-	3	-	-	
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,169	2,812	-58.4%	
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	84	-100.0%	

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Energy Futures																			
EUROPE 1% FUEL OIL RDAM C	UH	-	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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	13	-100.0%
EUROPE 3.5% FUEL OIL RDAM	UV	0	0	0.0%	0	0	0	3	15	-80.0%	0	0	0.0%	0	0	0.0%	563	556	1.3%
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	6	66	-0.91	0	130	-100.0%	0	0	0.0%	2,562	636	302.8%	11,036	7,913	39.5%
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	0	4	22	-81.8%	0	0	0.0%	0	0	0.0%	215	140	53.6%
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	0	615	910	-32.4%	0	0	0.0%	0	0	0.0%	22,315	19,838	12.5%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	710	-100.0%
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	20	-100.0%
EUROPE NAPHTHA CALSWAP	UN	0	0	0.0%	0	0	0	767	555	38.2%	0	0	0.0%	0	0	0.0%	7,471	7,315	2.1%
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	0	1,456	1,360	7.1%	0	0	0.0%	0	0	0.0%	21,074	18,693	12.7%
FREIGHT MARKETS	ACB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
FREIGHT MARKETS	BF1	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
FREIGHT MARKETS	BF2	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	0	134	-100.0%
FREIGHT MARKETS	BF3	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
FREIGHT MARKETS	BL2	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,377	285	383.2%
FREIGHT MARKETS	CS3	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	10	-	-
FREIGHT MARKETS	CS4	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0	480	-	-
FREIGHT MARKETS	FLJ	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	97	-100.0%
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	0	7	11	-36.4%	0	0	0.0%	0	0	0.0%	303	713	-57.5%
FREIGHT MARKETS	FRC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	36	70	-48.6%
FREIGHT MARKETS	T2D	0	0	0.0%	0	0	0	0	120	-100.0%	0	0	0.0%	0	0	0.0%	785	904	-13.2%
FREIGHT MARKETS	T7C	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
FREIGHT MARKETS	T8C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
FREIGHT MARKETS	TC6	0	0	0.0%	0	0	0	0	225	-100.0%	0	0	0.0%	0	0	0.0%	0	450	-100.0%
FREIGHT MARKETS	TD3	0	0	0.0%	0	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
FREIGHT MARKETS	USC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
FREIGHT MARKETS	USE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	90	-100.0%
FUEL OIL CRACK VS ICE	FO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,204	2,203	-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	0.0%	66	72	-8.3%
FUEL OIL (PLATS) CAR CM	1W	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BAR	7H	0	0	0.0%	0	0	0	64	178	-64.0%	0	0	0.0%	0	0	0.0%	2,193	7,413	-70.4%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	829	3,319	-75.0%	0	0	0.0%	0	0	0.0%	26,841	63,082	-57.5%
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%	45	60	-25.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2022	Open Outcry DEC 2021	% CHG	ELEC DEC 2022	ELEC DEC 2021	% CHG	CME ClearPort DEC 2022	CME ClearPort DEC 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG	CME ClearPort Y.T.D 2022	CME ClearPort Y.T.D 2021	% CHG
Energy Futures																		
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%	10	42	-76.2%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	0.0%	0	0	0	38	-100.0%	0	0	0.0%	0	0	0.0%	76	216	-64.8%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	12	0	0.0%
GASOIL CALENDAR SWAP	GX	0	0	0.0%	0	0	0	233	-100.0%	0	0	0.0%	0	0	0.0%	1,013	1,819	-44.3%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	2,205	-100.0%	0	0	0.0%	0	0	0.0%	10,971	22,699	-51.7%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	40	173	-76.9%	0	0	0.0%	0	0	0.0%	3,217	4,233	-24.0%
GERMAN POWER BASELOAD C	DEB	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	142	-100.0%	0	102	-100.0%
GROUP THREE UNLEAD GAS (F	A9	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	0	0	0.0%	0	0	3,425	2,965	15.5%	0	0	0.0%	0	0	0.0%	52,663	50,360	4.6%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	4,025	1,960	105.4%	0	0	0.0%	0	0	0.0%	36,512	30,994	17.8%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	977	740	32.0%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
GULF COAST JET VS NYM 2 H	ME	0	0	0.0%	0	0	4,959	21,983	-77.4%	0	0	0.0%	0	0	0.0%	105,829	244,225	-56.7%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	2,654	2,813	-5.7%	0	0	0.0%	0	0	0.0%	52,417	21,572	143.0%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	12,816	9,809	30.7%	0	0	0.0%	0	0	0.0%	107,174	38,597	177.7%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	302	878	-65.6%	0	0	0.0%	0	0	0.0%	2,309	5,084	-54.6%
GULF COAST ULSD CRACK SP	GY	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	0	0	177	95	86.3%	0	0	0.0%	0	0	0.0%	3,687	3,235	14.0%
HEATING OIL CRCK SPRD BAL	1H	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	127	2,450	-94.8%
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%
HEATING OIL PHY	MHO	0	-	-	1	-	0	-	-	0	-	-	103	-	-	0	-	-
HENRY HUB BASIS SWAP	HB	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HENRY HUB FINANCIAL LAST	NBP	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	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%
HENRY HUB SWAP	NN	0	0	0.0%	4	0	36,024	14,622	146.4%	0	0	0.0%	1,856	31	5,887.1%	329,410	357,007	-7.7%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	DB	0	0	0.0%	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	2,413	6,804	-64.5%
ICE GASOIL BALMO SWAP	U9	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	46	-100.0%
INDIANA MISO	FTD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDIANA MISO	PDD	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
INDIANA MISO	PTD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
INDONESIAN COAL ICI4	ICI	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,124	-100.0%
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%	428	6	7,033.3%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	126	115	9.6%	0	0	0.0%	0	0	0.0%	1,336	783	70.6%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2022	Open Outcry DEC 2021	% CHG	ELEC DEC 2022	ELEC DEC 2021	% CHG	CME ClearPort DEC 2022	CME ClearPort DEC 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG	CME ClearPort Y.T.D 2022	CME ClearPort Y.T.D 2021	% CHG	
Energy Futures																			
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	8	0	0.0%	0	0	0.0%	0	0	0.0%	14	18	-22.2%
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	0	90	120	-25.0%	0	0	0.0%	0	0	0.0%	1,615	1,870	-13.6%
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	0	1,305	3,880	-66.4%	0	0	0.0%	0	0	0.0%	16,671	20,994	-20.6%
JKM LNG Futures	JKM	0	0	0.0%	0	0	0	0	828	-100.0%	0	0	0.0%	0	0	0.0%	3,609	7,251	-50.2%
LA CARB DIESEL (OPIS) SWA	KL	0	0	0.0%	0	0	0	75	355	-78.9%	0	0	0.0%	0	0	0.0%	2,409	2,335	3.2%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	225	-100.0%
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	0	750	475	57.9%	0	0	0.0%	0	0	0.0%	4,150	6,200	-33.1%
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	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	0	160	480	-66.7%	0	0	0.0%	0	0	0.0%	253	3,266	-92.3%
LOS ANGELES CARB GASOLIN	MH	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
MARS (ARGUS) VS WTI SWAP	YX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,685	1,750	-3.7%
MARS (ARGUS) VS WTI TRD M	YV	0	0	0.0%	0	0	0	10,657	9,170	16.2%	0	0	0.0%	0	0	0.0%	178,876	212,517	-15.8%
MARS BLEND CRUDE OIL	MB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
MCCLOSKY ARA ARGS COAL	MTF	0	0	0.0%	230	467	-0.51	877	5,802	-84.9%	0	0	0.0%	7,079	22,478	-68.5%	49,810	130,573	-61.9%
MCCLOSKY RCH BAY COAL	MFJ	0	0	0.0%	0	0	0	20	110	-81.8%	0	0	0.0%	140	247	-43.3%	4,031	10,444	-61.4%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MICHIGAN BASIS	NF	-	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	0	61	-100.0%	0	0	0.0%	0	0	0.0%	263	254	3.5%
MINI RBOB V. EBOBARG NWE B	MXR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	391	-87.2%
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	0	398	199	100.0%	0	0	0.0%	0	0	0.0%	3,762	6,337	-40.6%
MJC FUT	MJC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
MNC FUT	MNC	0	0	0.0%	0	0	0	1,400	1,186	18.0%	0	0	0.0%	0	0	0.0%	19,955	11,504	73.5%
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	28	-1	28,233	32,474	-13.1%	0	0	0.0%	310	371	-16.4%	428,346	353,809	21.1%
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	0	755	2,810	-73.1%	0	0	0.0%	0	0	0.0%	10,832	12,658	-14.4%
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	86	16	4.38	221,651	120,810	83.5%	0	0	0.0%	715	516	38.6%	2,119,509	2,201,389	-3.7%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	0	3,311	2,600	27.3%	0	0	0.0%	0	0	0.0%	32,760	36,430	-10.1%
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	26	0	0	30,703	12,645	142.8%	0	0	0.0%	300	0	0.0%	297,473	176,018	69.0%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	0	1,755	610	187.7%	0	0	0.0%	0	0	0.0%	20,536	7,282	182.0%
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	10	0	0	53,094	34,456	54.1%	0	0	0.0%	10	40	-75.0%	658,988	642,754	2.5%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	1,698	1,474	15.2%	0	0	0.0%	0	0	0.0%	18,432	15,473	19.1%
NATURAL GAS	NWM	0	-	-	0	-	-	0	-	-	0	-	0	-	-	0.0%	305	-	-
NATURAL GAS PEN SWP	NP	0	0	0.0%	0	0	0	34,092	26,044	30.9%	0	0	0.0%	4	133	-97.0%	512,646	610,338	-16.0%
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%	0	0	0.0%
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	0	0.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Energy Futures																			
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%
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%
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	0.0%
NEW YORK ETHANOL SWAP	EZ	0	0	0.0%	0	0	0	295	1,395	-78.9%	0	0	0.0%	0	0	0.0%	9,777	3,210	204.6%
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	0.0%
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	0.0%
NGPL MID-CONTINENT	NL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NGPL TEX/OK	PD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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	0.0%
NO 2 UP-DOWN SPREAD CALE	UT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NORTHWEST ROCKIES BASIS \$	NR	-	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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
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	0.0%
NY HARBOR HEAT OIL SWP	MP	0	0	0.0%	8	2	3	1,976	2,474	-20.1%	0	0	0.0%	80	37	116.2%	17,720	15,075	17.5%
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%	0	1,570	-100.0%
NY HARBOR RESIDUAL FUEL 1	MM	0	0	0.0%	0	0	0	130	275	-52.7%	0	0	0.0%	0	0	0.0%	1,555	2,699	-42.4%
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	330	330	0.0%	0	0	0.0%	0	0	0.0%	17,385	17,375	0.1%
NYISO CAPACITY	LHV	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NYISO CAPACITY	NRS	-	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%
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	0.0%	0	0	0.0%
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	0.0%	0	0	0.0%
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%
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%
NYMEX ALUMINUM FUTURES	AN	-	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%
NY ULSD (ARGUS) VS HEATING	7Y	0	0	0.0%	0	0	0	845	450	87.8%	0	0	0.0%	0	0	0.0%	7,255	1,100	559.5%
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	0	0.0%
PERMIAN BASIS SWAP	PM	-	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	306	91	236.3%	0	0	0.0%	0	0	0.0%	1,838	2,086	-11.9%
PETROCHEMICALS	32	0	0	0.0%	0	0	0	148	85	74.1%	0	0	0.0%	0	0	0.0%	671	775	-13.4%
PETROCHEMICALS	3NA	0	0	0.0%	0	0	0	9	10	-10.0%	0	0	0.0%	0	0	0.0%	278	172	61.6%
PETROCHEMICALS	51	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	0	0.0%
PETROCHEMICALS	81	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	424	147	188.4%

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 DEC 2022	Open Outcry DEC 2021	% CHG	ELEC DEC 2022	ELEC DEC 2021	% CHG	CME ClearPort DEC 2022	CME ClearPort DEC 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG	CME ClearPort Y.T.D 2022	CME ClearPort Y.T.D 2021	% CHG	
Energy Futures																			
PETROCHEMICALS	8I	0	0	0.0%	0	0	0	360	745	-51.7%	0	0	0.0%	0	0	0.0%	9,899	13,254	-25.3%
PETROCHEMICALS	91	0	0	0.0%	0	0	0	499	462	8.0%	0	0	0.0%	0	0	0.0%	4,390	4,916	-10.7%
PETROCHEMICALS	MAA	0	0	0.0%	0	0	0	30	90	-66.7%	0	0	0.0%	0	0	0.0%	520	565	-8.0%
PETROCHEMICALS	MAE	0	0	0.0%	0	0	0	955	550	73.6%	0	0	0.0%	0	0	0.0%	14,059	11,215	25.4%
PETROCHEMICALS	MAS	0	0	0.0%	0	0	0	340	190	78.9%	0	0	0.0%	0	0	0.0%	4,370	4,402	-0.7%
PETROCHEMICALS	MBE	0	0	0.0%	0	0	0	90	0	0.0%	0	0	0.0%	0	0	0.0%	850	710	19.7%
PETROCHEMICALS	MNB	0	0	0.0%	0	0	0	0	48	-100.0%	0	0	0.0%	0	0	0.0%	15	2,103	-99.3%
PETROCHEMICALS	MPS	0	0	0.0%	0	0	0	441	601	-26.6%	0	0	0.0%	0	0	0.0%	3,685	4,944	-25.5%
PETROCHEMICALS	PMF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	14	9	55.6%
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%
PETRO CRCKS & SPRDS ASIA	STS	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	CRB	0	0	0.0%	0	0	0	13,405	16,654	-19.5%	0	0	0.0%	0	0	0.0%	187,524	239,020	-21.5%
PETRO CRCKS & SPRDS NA	EXR	0	0	0.0%	0	0	0	171	373	-54.2%	0	0	0.0%	0	0	0.0%	3,024	7,352	-58.9%
PETRO CRCKS & SPRDS NA	FOC	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	GBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	700	655	6.9%
PETRO CRCKS & SPRDS NA	GCC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	GCI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	370	-59.5%
PETRO CRCKS & SPRDS NA	GCM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	275	880	-68.8%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,350	474	184.8%
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0	0	0	75	-100.0%	0	0	0.0%	0	0	0.0%	577	5,385	-89.3%
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	145	-100.0%
PETRO CRCKS & SPRDS NA	NYF	-	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	100	570	-82.5%	0	0	0.0%	0	0	0.0%	6,751	16,651	-59.5%
PETRO CRCKS & SPRDS NA	RVG	0	0	0.0%	0	0	0	2,035	1,663	22.4%	0	0	0.0%	0	0	0.0%	22,431	13,258	69.2%
PETRO CRCKS & SPRDS NA	SF3	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	1NB	0	0	0.0%	0	0	0	90	0	0.0%	0	0	0.0%	0	0	0.0%	2,589	433	497.9%
PETRO CRK&SPRD EURO	43	0	0	0.0%	0	0	0	0	9	-100.0%	0	0	0.0%	0	0	0.0%	121	35	245.7%
PETRO CRK&SPRD EURO	BOB	0	0	0.0%	0	0	0	15	288	-94.8%	0	0	0.0%	0	0	0.0%	620	1,762	-64.8%
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
PETRO CRK&SPRD EURO	EPN	0	0	0.0%	0	0	0	219	806	-72.8%	0	0	0.0%	0	0	0.0%	4,532	6,832	-33.7%
PETRO CRK&SPRD EURO	EVC	0	0	0.0%	0	0	0	0	15	-100.0%	0	0	0.0%	0	0	0.0%	867	871	-0.5%
PETRO CRK&SPRD EURO	FVB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	GCB	-	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 2022	Open Outcry DEC 2021	% CHG	ELEC DEC 2022	ELEC DEC 2021	% CHG	CME ClearPort DEC 2022	CME ClearPort DEC 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG	CME ClearPort Y.T.D 2022	CME ClearPort Y.T.D 2021	% CHG
Energy Futures																			
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	9	0	0.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	70	-100.0%
PETRO CRK&SPRD EURO	MUD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO CRK&SPRD EURO	NBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	9	-100.0%
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	0	15	15	0.0%	0	0	0.0%	0	0	0.0%	949	566	67.7%
PETROLEUM PRODUCTS	1NM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	717	-93.0%
PETROLEUM PRODUCTS	BEB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	3	-100.0%
PETROLEUM PRODUCTS	BEF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	3	-33.3%
PETROLEUM PRODUCTS	CMS	0	0	0.0%	0	0	0	510	60	750.0%	0	0	0.0%	0	0	0.0%	2,100	790	165.8%
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,817	5,298	-9.1%
PETROLEUM PRODUCTS	H5F	0	0	0.0%	0	0	0	235	0	0.0%	0	0	0.0%	0	0	0.0%	1,120	60	1,766.7%
PETROLEUM PRODUCTS	JCC	0	0	0.0%	0	0	0	400	200	100.0%	0	0	0.0%	0	50	-100.0%	13,966	2,750	407.9%
PETROLEUM PRODUCTS	MME	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	14	-100.0%
PETROLEUM PRODUCTS	NCC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETROLEUM PRODUCTS	R5E	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
PETROLEUM PRODUCTS	R5F	0	0	0.0%	0	0	0	37	24	54.2%	0	0	0.0%	0	0	0.0%	510	564	-9.6%
PETROLEUM PRODUCTS	S53	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	12	-100.0%
PETROLEUM PRODUCTS	UCS	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	UP5	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	VU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,148	341	236.7%
PETROLEUM PRODUCTS ASIA	E6M	0	0	0.0%	0	0	0	10	0	0.0%	0	0	0.0%	0	0	0.0%	60	10	500.0%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	0	512	1,012	-49.4%	0	0	0.0%	0	0	0.0%	7,928	3,906	103.0%
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	223	-100.0%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	75	-100.0%
PETRO OUTRIGHT EURO	0D	0	0	0.0%	0	0	0	35	28	25.0%	0	0	0.0%	0	0	0.0%	390	968	-59.7%
PETRO OUTRIGHT EURO	0E	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0	0	50	0	0.0%	0	0	0.0%	0	0	0.0%	59	9	555.6%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
PETRO OUTRIGHT EURO	5L	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	0	0.0%
PETRO OUTRIGHT EURO	63	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	7I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	285	50	470.0%
PETRO OUTRIGHT EURO	7R	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	46	79	-41.8%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	33	-100.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Energy Futures																			
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	0	0.0%
PETRO OUTRIGHT EURO	CPB	0	0	0.0%	0	0	0	434	540	-19.6%	0	0	0.0%	0	0	0.0%	2,200	4,152	-47.0%
PETRO OUTRIGHT EURO	EFF	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	12	-100.0%
PETRO OUTRIGHT EURO	ENS	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	EWN	0	0	0.0%	0	0	0	72	438	-83.6%	0	0	0.0%	0	0	0.0%	2,242	2,533	-11.5%
PETRO OUTRIGHT EURO	FLB	0	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	GNO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	H5G	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	JFB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	10	-100.0%
PETRO OUTRIGHT EURO	M1B	0	0	0.0%	0	0	0	650	1,405	-53.7%	0	0	0.0%	0	0	0.0%	12,239	14,804	-17.3%
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	240	-100.0%
PETRO OUTRIGHT EURO	MBN	0	0	0.0%	0	0	0	320	491	-34.8%	0	0	0.0%	0	0	0.0%	6,731	4,251	58.3%
PETRO OUTRIGHT EURO	MEF	0	0	0.0%	0	0	0	0	45	-100.0%	0	0	0.0%	0	0	0.0%	114	2,400	-95.3%
PETRO OUTRIGHT EURO	MQA	0	0	0.0%	0	0	0	0	63	-100.0%	0	0	0.0%	0	0	0.0%	218	131	66.4%
PETRO OUTRIGHT EURO	R53	0	0	0.0%	0	0	0	0	12	-100.0%	0	0	0.0%	0	0	0.0%	0	139	-100.0%
PETRO OUTRIGHT EURO	R5B	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	56	-100.0%
PETRO OUTRIGHT EURO	R5M	0	0	0.0%	0	0	0	1,463	1,461	0.1%	0	0	0.0%	0	0	0.0%	20,485	15,364	33.3%
PETRO OUTRIGHT EURO	R5O	0	0	0.0%	0	0	0	396	1,146	-65.4%	0	0	0.0%	0	0	0.0%	10,492	9,296	12.9%
PETRO OUTRIGHT EURO	RBM	0	0	0.0%	0	0	0	0	33	-100.0%	0	0	0.0%	0	0	0.0%	122	67	82.1%
PETRO OUTRIGHT EURO	S5B	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	5	0.0%
PETRO OUTRIGHT EURO	S5F	0	0	0.0%	0	0	0	103	123	-16.3%	0	0	0.0%	0	0	0.0%	1,363	1,309	4.1%
PETRO OUTRIGHT EURO	S5M	0	0	0.0%	0	0	0	1,935	2,126	-9.0%	0	0	0.0%	0	0	0.0%	25,745	21,556	19.4%
PETRO OUTRIGHT EURO	S5O	0	0	0.0%	0	0	0	1,088	2,589	-58.0%	0	0	0.0%	0	0	0.0%	28,131	16,736	68.1%
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,450	-100.0%
PETRO OUTRIGHT EURO	SR5	0	-	-	0	-	-	9	-	-	0	-	-	0	-	-	141	-	-
PETRO OUTRIGHT EURO	T0	-	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	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	TLB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	58	-100.0%
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	725	0	0.0%
PETRO OUTRIGHT EURO	UNB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	582	-100.0%
PETRO OUTRIGHT NA	A8B	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	2,380	1,140	108.8%
PETRO OUTRIGHT NA	AB6	0	0	0.0%	0	0	0	100	280	-64.3%	0	0	0.0%	0	0	0.0%	3,980	2,380	67.2%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2022	Open Outcry DEC 2021	% CHG	ELEC DEC 2022	ELEC DEC 2021	% CHG	CME ClearPort DEC 2022	CME ClearPort DEC 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG	CME ClearPort Y.T.D 2022	CME ClearPort Y.T.D 2021	% CHG	
Energy Futures																			
PETRO OUTRIGHT NA	BCR	0	0	0.0%	0	0	0	3,450	2,050	68.3%	0	0	0.0%	0	0	0.0%	29,520	22,757	29.7%
PETRO OUTRIGHT NA	DBB	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	FCB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	32	-100.0%
PETRO OUTRIGHT NA	H5B	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	275	-78.2%
PETRO OUTRIGHT NA	JET	0	0	0.0%	0	0	0	350	450	-22.2%	0	0	0.0%	0	0	0.0%	6,710	4,600	45.9%
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	0	0	700	-100.0%	0	0	0.0%	0	0	0.0%	2,161	1,365	58.3%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	920	731	25.9%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	20	193	-89.6%	0	0	0.0%	0	0	0.0%	614	1,128	-45.6%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	15	135	-88.9%	0	0	0.0%	0	0	0.0%	3,123	5,063	-38.3%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	65	-69.2%
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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%
PJM DAYTON DA PEAK	D7	-	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	0	0.0%
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 PECO ZONE5MW PEAK CA	4N	-	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%
PJM PSEG DA PEAK	L6	-	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%
PJM WESTHDA PEAK	J4	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
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%	0	0	0.0%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PLASTICS	PGP	0	0	0.0%	0	0	0	564	877	-35.7%	0	0	0.0%	0	0	0.0%	11,212	16,144	-30.6%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	111	185	-40.0%
PROPANE NON-LDH MB (OPIS)	1S	0	0	0.0%	0	0	0	1,997	1,955	2.1%	0	0	0.0%	0	0	0.0%	20,527	16,854	21.8%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	22,715	10,772	110.9%	0	0	0.0%	0	0	0.0%	175,389	192,442	-8.9%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	4,126	7,315	-43.6%	0	0	0.0%	0	0	0.0%	64,290	80,726	-20.4%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	60	780	-92.3%	0	0	0.0%	0	0	0.0%	15,272	22,479	-32.1%
RBOB CRACK SPREAD BALMO	1E	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0.0%	127	-	-
RBOB GASOLINE BALMO CLND	1D	0	0	0.0%	0	0	0	302	130	132.3%	0	0	0.0%	0	0	0.0%	12,827	8,965	43.1%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2022	Open Outcry DEC 2021	% CHG	ELEC DEC 2022	ELEC DEC 2021	% CHG	CME ClearPort DEC 2022	CME ClearPort DEC 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG	CME ClearPort Y.T.D 2022	CME ClearPort Y.T.D 2021	% CHG
Energy Futures																		
RBOB PHY	MRB	0	-	-	3	-	0	-	-	0	-	-	92	-	-	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 VS HEATING OIL SWAP	RH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	975	1,105	-11.8%
SAN JUAN BASIS SWAP	NJ	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	0	0.0%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	23	-95.7%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	52	132	-60.6%	0	0	0.0%	0	0	0.0%	1,375	2,155	-36.2%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	12	0	0.0%	0	0	0.0%	0	0	0.0%	15	0	0.0%
SINGAPORE FUEL OIL 180 CS	GMS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	12	-100.0%
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	102	0	0.0%
SINGAPORE GASOIL	MAF	0	0	0.0%	0	0	129	387	-66.7%	0	0	0.0%	0	0	0.0%	4,155	3,476	19.5%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	196	62	216.1%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	368	323	13.9%	0	0	0.0%	0	0	0.0%	4,013	4,414	-9.1%
SINGAPORE GASOIL	SBM	0	0	0.0%	0	0	0	56	-100.0%	0	0	0.0%	0	0	0.0%	332	234	41.9%
SINGAPORE GASOIL CALENDAS	MSG	0	0	0.0%	0	0	34	620	-94.5%	0	0	0.0%	0	0	0.0%	1,306	8,966	-85.4%
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	0	0	1,039	-100.0%	0	0	0.0%	0	0	0.0%	3,155	14,347	-78.0%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	1,450	-100.0%	0	0	0.0%	0	0	0.0%	3,936	12,558	-68.7%
SINGAPORE JET KERO BALMO	BX	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SINGAPORE JET KERO GASOIL	RK	0	0	0.0%	0	0	0	750	-100.0%	0	0	0.0%	0	0	0.0%	3,725	4,498	-17.2%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	405	3,435	-88.2%
SINGAPORE MOGAS 92 UNLEA	1P	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	810	610	32.8%
SINGAPORE MOGAS 92 UNLEA	1N	0	0	0.0%	0	0	50	542	-90.8%	0	0	0.0%	0	0	0.0%	650	7,823	-91.7%
Sumas Basis Swap	NK	-	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	0	0.0%	0	0	0.0%	0	0	0.0%	450	300	50.0%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	243	620	-60.8%
TCO BASIS SWAP	TC	-	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	750	-100.0%	0	0	0.0%	0	0	0.0%	6,405	12,995	-50.7%
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%
TRANSCO ZONE4 BASIS SWAP	TR	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	2,535	-100.0%	0	0	0.0%
ULSD UP-DOWN BALMO SWP	1L	0	0	0.0%	0	0	4,400	10,125	-56.5%	0	0	0.0%	0	0	0.0%	70,389	65,174	8.0%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	23,789	27,495	-13.5%	0	0	0.0%	0	0	0.0%	308,492	405,553	-23.9%
WAHA BASIS	NW	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
WTI-BRENT BULLET SWAP	BY	-	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 2022	Open Outcry DEC 2021	% CHG	ELEC DEC 2022	ELEC DEC 2021	% CHG	CME ClearPort DEC 2022	CME ClearPort DEC 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG	CME ClearPort Y.T.D 2022	CME ClearPort Y.T.D 2021	% CHG
Energy Futures																			
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	0	40,920	47,449	-13.8%	0	0	0.0%	0	0	0.0%	599,792	619,958	-3.3%
WTI CALENDAR	CS	0	0	0.0%	0	0	0	51,464	70,518	-27.0%	0	0	0.0%	0	0	0.0%	719,774	646,238	11.4%
WTI MIDLAND CRUDE OIL	WTL	0	0	0.0%	0	0	0	0	400	-100.0%	0	0	0.0%	0	0	0.0%	900	3,055	-70.5%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	540	480	12.5%	0	0	0.0%	0	0	0.0%	28,378	38,836	-26.9%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	100	30	233.3%	0	0	0.0%	0	0	0.0%	7,135	6,405	11.4%
Energy Options																			
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0	0	990	0	0.0%	0	0	0.0%	0	0	0.0%	4,262	3,106	37.2%
BRENT CRUDE OIL 1 M CSO	9C	0	0	0.0%	0	0	0	15,000	500	2,900.0%	0	0	0.0%	0	0	0.0%	181,500	198,550	-8.6%
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	625	6,000	-89.6%	0	0	0.0%	0	0	0.0%	129,912	237,991	-45.4%
BRENT OIL LAST DAY	BZO	0	0	0.0%	1,725	959	0.8	5,300	27,660	-80.8%	0	0	0.0%	37,104	34,356	8.0%	157,162	285,135	-44.9%
BRENT OIL LAST DAY	OS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
COAL API2 INDEX	F2C	0	0	0.0%	0	0	0	50	25	100.0%	0	0	0.0%	0	0	0.0%	460	1,605	-71.3%
COAL API2 INDEX	F2Q	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	1,110	-91.0%
CRUDE OIL	6Y	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 1MO	WA	0	0	0.0%	575	4,150	-0.86	31,375	70,175	-55.3%	0	0	0.0%	36,908	49,630	-25.6%	631,620	1,264,645	-50.1%
CRUDE OIL APO	AO	0	0	0.0%	0	0	0	19,816	81,933	-75.8%	0	0	0.0%	0	0	0.0%	237,774	417,103	-43.0%
CRUDE OIL CALNDR STRIP	6F	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	ECCL	0	-	-	11,102	-	-	0	-	-	0	-	-	23,887	-	-	0	-	-
CRUDE OIL PHY	CD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CRUDE OIL PHY	LC	0	0	0.0%	0	0	0	15,460	11,020	40.3%	0	0	0.0%	0	1,400	-100.0%	389,651	151,115	157.9%
CRUDE OIL PHY	LO	0	0	0.0%	1,292,598	2,033,476	-0.36	416,253	380,390	9.4%	0	0	0.0%	21,985,425	23,868,630	-7.9%	6,946,403	6,137,431	13.2%
CRUDE OIL PHY	LO1	0	0	0.0%	20,589	17,668	0.17	2,000	0	0.0%	0	0	0.0%	385,100	255,061	51.0%	11,475	2,225	415.7%
CRUDE OIL PHY	LO2	0	0	0.0%	48,472	15,475	2.13	200	0	0.0%	0	0	0.0%	330,587	206,057	60.4%	3,475	4,350	-20.1%
CRUDE OIL PHY	LO3	0	0	0.0%	18,054	14,998	0.2	0	0	0.0%	0	0	0.0%	212,150	164,763	28.8%	950	1,050	-9.5%
CRUDE OIL PHY	LO4	0	0	0.0%	31,267	18,498	0.69	1,000	0	0.0%	0	0	0.0%	403,205	275,987	46.1%	9,330	2,650	252.1%
CRUDE OIL PHY	LO5	0	0	0.0%	21,318	21,813	-0.02	2,400	0	0.0%	0	0	0.0%	94,437	101,120	-6.6%	5,350	0	0.0%
CRUDE OIL PHY	MCO	0	-	-	14,888	-	-	0	-	-	0	-	-	70,216	-	-	0	-	-
CRUDE OIL PHY	MW1	0	-	-	705	-	-	0	-	-	0	-	-	8,236	-	-	0	-	-
CRUDE OIL PHY	MW2	0	-	-	1,984	-	-	0	-	-	0	-	-	10,785	-	-	0	-	-
CRUDE OIL PHY	MW3	0	-	-	1,297	-	-	0	-	-	0	-	-	5,865	-	-	0	-	-
CRUDE OIL PHY	MW4	0	-	-	1,384	-	-	0	-	-	0	-	-	11,993	-	-	0	-	-

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Energy Options																			
CRUDE OIL PHY	MW5	0	-	900	-		0	-	-	0	-	-	4,193	-	-	0	-	-	
ELEC FINSETTLED	PJN	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	855	5,165	-83.4%	0	0	0.0%	0	0	0.0%	31,535	41,665	-24.3%	
ETHANOL SWAP	GVR	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
FREIGHT MARKETS	FLO	0	-	0	-		0	-	-	0	-	-	0	-	-	30	-	-	
HEATING OIL CRK SPD AVG PR	3W	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	750	1,980	-62.1%	
HEATING OIL PHY	FZ	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,225	-100.0%	
HEATING OIL PHY	LB	0	0.0%	0	0	0	0	1,170	-100.0%	0	0	0.0%	0	0	0.0%	382	3,081	-87.6%	
HEATING OIL PHY	OH	0	0.0%	2,227	3,252	-0.32	13,398	8,570	56.3%	0	0	0.0%	27,204	27,666	-1.7%	112,376	75,843	48.2%	
HENRY HUB FINANCIAL LAST	E7	0	0.0%	0	14	-1	10,158	12,679	-19.9%	0	0	0.0%	106	54	96.3%	62,866	100,688	-37.6%	
HENRY HUB FINANCIAL LAST	ECNG	0	-	12,609	-		0	-	-	0	-	-	22,967	-	-	0	-	-	
HO 1 MONTH CLNDR OPTIONS	FA	0	0.0%	0	0	0	2,550	0	0.0%	0	0	0.0%	0	0	0.0%	10,525	200	5,162.5%	
LLS CRUDE OIL	HTO	0	-	0	-		0	-	-	0	-	-	0	-	-	1,200	-	-	
LLS CRUDE OIL	WTO	0	0.0%	0	0	0	0	1,800	-100.0%	0	0	0.0%	0	0	0.0%	4,500	1,800	150.0%	
MCCLOSKY ARA ARGS COAL	MTO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	540	-100.0%	
MCCLOSKY RCH BAY COAL	MFO	-	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	
NATURAL GAS	LN1	0	-	0	-		0	-	-	0	-	-	697	-	-	150	-	-	
NATURAL GAS	LN2	0	-	0	-		0	-	-	0	-	-	1,452	-	-	50	-	-	
NATURAL GAS	LN3	0	-	0	-		0	-	-	0	-	-	1,072	-	-	0	-	-	
NATURAL GAS	LN4	0	-	0	-		0	-	-	0	-	-	1,517	-	-	0	-	-	
NATURAL GAS	LN5	0	-	0	-		0	-	-	0	-	-	5	-	-	0	-	-	
NATURAL GAS 1 M CSO FIN	G4	0	0.0%	3,710	3,785	-0.02	133,250	94,808	40.5%	0	0	0.0%	12,510	16,819	-25.6%	1,099,471	728,802	50.9%	
NATURAL GAS 2 M CSO FIN	G2	0	0.0%	0	0	0	0	8,250	-100.0%	0	0	0.0%	0	0	0.0%	14,100	38,500	-63.4%	
NATURAL GAS 3 M CSO FIN	G3	0	0.0%	200	0	0	450	0	0.0%	0	0	0.0%	1,000	200	400.0%	354,190	247,794	42.9%	
NATURAL GAS 5 M CSO FIN	G5	0	0.0%	0	0	0	0	169	-100.0%	0	0	0.0%	0	0	0.0%	48,250	18,819	156.4%	
NATURAL GAS 6 M CSO FIN	G6	0	0.0%	0	0	0	10,250	12,650	-19.0%	0	0	0.0%	0	400	-100.0%	113,525	127,200	-10.8%	
NATURAL GAS OPT	JFO	0	-	0	-		0	-	-	0	-	-	0	-	-	450	-	-	
NATURAL GAS OPT	JKO	0	0.0%	0	0	0	0	1,800	-100.0%	0	0	0.0%	0	0	0.0%	6,450	23,360	-72.4%	
NATURAL GAS OPT	TFO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	700	153,770	-99.5%	
NATURAL GAS OPTION ON CAL	6J	0	0.0%	0	0	0	0	530	-100.0%	0	0	0.0%	0	0	0.0%	600	63,850	-99.1%	
NATURAL GAS PHY	KD	0	0.0%	0	0	0	1,950	475	310.5%	0	0	0.0%	0	0	0.0%	16,980	21,210	-19.9%	
NATURAL GAS PHY	LN	0	0.0%	920,620	647,344	0.42	1,136,544	631,227	80.1%	0	0	0.0%	10,869,386	13,021,215	-16.5%	13,037,106	10,706,246	21.8%	
NATURAL GAS PHY	ON	0	0.0%	60,482	77,618	-0.22	2,397	529	353.1%	0	0	0.0%	904,181	972,077	-7.0%	66,693	71,278	-6.4%	
NATURAL GAS SUMMER STRIP	4D	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 2022	Open Outcry DEC 2021	% CHG	ELEC DEC 2022	ELEC DEC 2021	% CHG	CME ClearPort DEC 2022	CME ClearPort DEC 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG	CME ClearPort Y.T.D 2022	CME ClearPort Y.T.D 2021	% CHG	
Energy Options																			
NATURAL GAS WINTER STRIP	6I	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	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%
NY HARBOR HEAT OIL SWP	AT	0	0	0.0%	291	34	7.56	2,515	593	324.1%	0	0	0.0%	3,359	706	375.8%	21,935	11,926	83.9%
PETROCHEMICALS	4H	0	0	0.0%	0	0	0	900	420	114.3%	0	0	0.0%	12	75	-84.0%	4,202	10,247	-59.0%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	0	80	-100.0%	0	0	0.0%	0	0	0.0%	0	1,395	-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	0.0%
PETROCHEMICALS	CPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	180	-100.0%
PETRO OUTRIGHT EURO	BCO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	1N5	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT NA	DAP	0	0	0.0%	0	0	0	0	210	-100.0%	0	0	0.0%	0	0	0.0%	375	1,620	-76.9%
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	-	-	0	-	-	0	-	-	0	-	0	-	-	-	3,600	-	-
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,605	1,274	183.0%
RBOB PHY	OB	0	0	0.0%	184	1,399	-0.87	925	1,675	-44.8%	0	0	0.0%	9,527	24,553	-61.2%	33,080	60,634	-45.4%
RBOB PHY	RF	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	1,540	510	202.0%
SAN JUAN PIPE SWAP	PJ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	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	0.0%	400	50	700.0%
SHORT TERM	U12	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	750	150	400.0%
SHORT TERM	U13	0	0	0.0%	0	0	0	0	350	-100.0%	0	0	0.0%	0	0	0.0%	100	550	-81.8%
SHORT TERM	U14	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	500	350	42.9%
SHORT TERM	U15	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	350	-85.7%
SHORT TERM	U22	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	350	100	250.0%
SHORT TERM	U23	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SHORT TERM	U24	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	100	0.0%
SHORT TERM	U25	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	400	300	33.3%
SHORT TERM	U26	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	75	166.7%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	250	275	-9.1%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	650	-100.0%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	0	150	-100.0%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	950	550	72.7%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	700	200	250.0%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	550	800	-31.3%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	925	325	184.6%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Energy Options																		
SHORT TERM NATURAL GAS U08	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	50	300.0%
SHORT TERM NATURAL GAS U09	0	0	0.0%	0	0	0	100	0	0.0%	0	0	0.0%	0	0	0.0%	100	300	-66.7%
SHORT TERM NATURAL GAS U10	0	0	0.0%	0	0	0	0	50	-100.0%	0	0	0.0%	0	0	0.0%	700	150	366.7%
SHORT TERM NATURAL GAS U16	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	75	-100.0%
SHORT TERM NATURAL GAS U17	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	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%	350	100	250.0%
SHORT TERM NATURAL GAS U19	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	600	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%	250	300	-16.7%
SHORT TERM NATURAL GAS U21	0	0	0.0%	0	0	0	200	0	0.0%	0	0	0.0%	0	0	0.0%	1,150	300	283.3%
SHORT TERM NATURAL GAS U27	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
SHORT TERM NATURAL GAS U28	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	350	100	250.0%
SHORT TERM NATURAL GAS U29	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	150	50	200.0%
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	250	-60.0%
SHORT TERM NATURAL GAS U31	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	0	0.0%
WTI-BRENT BULLET SWAP BV	0	0	0.0%	1,650	775	1.13	8,100	54,050	-85.0%	0	0	0.0%	12,220	10,875	12.4%	373,525	379,875	-1.7%
WTI CRUDE OIL 1 M CSO FI 7A	0	0	0.0%	0	250	-1	110,575	11,200	887.3%	0	0	0.0%	571	2,325	-75.4%	740,354	755,910	-2.1%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Metals Futures																			
COMEX GOLD	GC	0	0	0.0%	3,184,064	3,021,383	0.05	70,842	52,228	35.6%	0	0	0.0%	53,026,708	57,283,046	-7.4%	1,235,059	1,181,951	4.5%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	6,578	2,977	1.21	13,291	16,784	-20.8%	0	0	0.0%	64,337	47,445	35.6%	196,548	199,372	-1.4%
NYMEX PLATINUM	PL	0	0	0.0%	531,902	438,471	0.21	9,978	6,958	43.4%	0	0	0.0%	5,047,673	4,343,416	16.2%	129,390	107,447	20.4%
PALLADIUM	PA	0	0	0.0%	41,373	36,054	0.15	1,543	1,319	17.0%	0	0	0.0%	552,797	575,887	-4.0%	18,237	28,695	-36.4%
URANIUM	UX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	24	543	-95.6%	0	640	-100.0%
COMEX SILVER	SI	0	0	0.0%	1,106,005	990,136	0.12	17,724	18,011	-1.6%	0	0	0.0%	16,779,220	19,329,106	-13.2%	297,460	340,428	-12.6%
COMEX E-Mini GOLD	QO	0	0	0.0%	26,372	16,417	0.61	0	0	0.0%	0	0	0.0%	394,418	269,903	46.1%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	4,252	3,111	0.37	0	0	0.0%	0	0	0.0%	47,184	67,532	-30.1%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	1,276,168	1,150,698	0.11	9,514	11,592	-17.9%	0	0	0.0%	21,329,242	24,362,129	-12.4%	209,518	222,396	-5.8%
COMEX MINY COPPER	QC	0	0	0.0%	2,111	3,743	-0.44	0	0	0.0%	0	0	0.0%	41,645	59,580	-30.1%	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%	0	174	-100.0%
ALUMINUM	AEP	0	0	0.0%	220	0	0	1,991	4,418	-54.9%	0	0	0.0%	235	32	634.4%	23,145	35,234	-34.3%
ALUMINUM	ALA	0	0	0.0%	0	0	0	60	120	-50.0%	0	0	0.0%	0	0	0.0%	2,030	3,825	-46.9%
ALUMINUM	ALI	0	0	0.0%	52,921	15,186	2.48	626	0	0.0%	0	0	0.0%	418,695	145,169	188.4%	735	20	3,575.0%
ALUMINUM	AUP	0	0	0.0%	250	500	-0.5	6,149	11,042	-44.3%	0	0	0.0%	3,326	6,153	-45.9%	81,816	78,813	3.8%
ALUMINUM	CUP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ALUMINUM	EDP	0	0	0.0%	0	0	0	4,841	6,966	-30.5%	0	0	0.0%	59	75	-21.3%	61,156	46,453	31.7%
ALUMINUM	MJP	0	0	0.0%	0	0	0	0	2,412	-100.0%	0	0	0.0%	0	0	0.0%	3,200	7,574	-57.8%
COBALT METAL FUTURES	COB	0	0	0.0%	2	0	0	3,127	175	1,686.9%	0	0	0.0%	17	12	41.7%	17,102	3,385	405.2%
COPPER	HGS	0	0	0.0%	1	0	0	3,497	3,311	5.6%	0	0	0.0%	1	0	0.0%	21,428	27,349	-21.6%
COPPER	MHG	0	-	-	54,573	-	0	-	-	-	0	-	563,707	-	-	0	-	-	
FERROUS PRODUCTS	BUS	0	0	0.0%	1,037	585	0.77	2,885	225	1,182.2%	0	0	0.0%	5,324	7,865	-32.3%	29,181	9,013	223.8%
GOLD	4GC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	116	-100.0%	0	0	0.0%
GOLD	SGC	0	0	0.0%	106	1,851	-0.94	0	0	0.0%	0	0	0.0%	7,992	19,314	-58.6%	0	0	0.0%
GOLD	SGU	0	0	0.0%	113	12,216	-0.99	0	21	-100.0%	0	0	0.0%	53,010	84,974	-37.6%	542	21	2,481.0%
HOT ROLLED COIL STEEL FUTL	EHR	0	0	0.0%	1,214	141	7.61	3,754	1,200	212.8%	0	0	0.0%	10,622	2,216	379.3%	35,113	11,820	197.1%
IRON ORE 62 CHINA TSI FUTUR	TIO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
IRON ORE CHINA	TIO	0	0	0.0%	0	0	0	740	715	3.5%	0	0	0.0%	0	16	-100.0%	14,905	11,715	27.2%
METALS	HDG	0	0	0.0%	5	0	0	0	0	0.0%	0	0	0.0%	126	0	0.0%	546	143	281.8%
METALS	LTH	0	0	0.0%	0	0	0	319	3	10,533.3%	0	0	0.0%	0	0	0.0%	468	13	3,500.0%
METALS	PAC	0	-	-	0	-	0	-	-	-	0	-	0	-	-	-	1,300	-	-
MICRO GOLD	MGC	0	0	0.0%	839,181	730,417	0.15	0	0	0.0%	0	0	0.0%	12,541,039	13,924,959	-9.9%	0	0	0.0%
SILVER	SIL	0	0	0.0%	180,078	96,084	0.87	0	0	0.0%	0	0	0.0%	1,999,924	2,197,275	-9.0%	0	0	0.0%

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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Metals Options																			
ALUMINUM	ALO	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,250	-100.0%	
ALUMINUM	AX	0	-	-	260	-	200	-	-	0	-	-	997	-	-	700	-	-	
COMEX COPPER	HX	0	0	0.0%	65,920	26,678	1.47	26,567	8,204	223.8%	0	0	0.0%	747,650	478,358	56.3%	311,306	270,385	15.1%
COMEX GOLD	ECGC	0	-	-	5,527	-	0	-	-	0	-	-	16,131	-	-	0	-	-	
COMEX GOLD	OG	0	0	0.0%	484,629	405,547	0.2	86,627	49,432	75.2%	0	0	0.0%	8,398,893	6,889,642	21.9%	1,436,552	1,420,552	1.1%
COMEX SILVER	ECSI	0	-	-	2,854	-	0	-	-	0	-	-	10,666	-	-	0	-	-	
COMEX SILVER	SO	0	0	0.0%	136,014	79,161	0.72	7,050	4,178	68.7%	0	0	0.0%	1,322,778	1,550,814	-14.7%	128,825	210,946	-38.9%
COPPER	ECHG	0	-	-	2,351	-	0	-	-	0	-	-	7,586	-	-	0	-	-	
COPPER	H1E	0	0	0.0%	868	0	0	0	0.0%	0	0	0.0%	3,254	85	3,728.2%	165	0	0.0%	
COPPER	H1M	0	-	-	40	-	0	-	-	0	-	-	1,404	-	-	220	-	-	
COPPER	H1W	0	-	-	109	-	0	-	-	0	-	-	1,440	-	-	0	-	-	
COPPER	H2E	0	0	0.0%	275	15	17.33	0	0	0.0%	0	0	0.0%	3,197	113	2,729.2%	200	0	0.0%
COPPER	H2M	0	-	-	389	-	50	-	-	0	-	-	1,344	-	-	50	-	-	
COPPER	H2W	0	-	-	195	-	0	-	-	0	-	-	903	-	-	0	-	-	
COPPER	H3E	0	0	0.0%	219	63	2.48	0	0	0.0%	0	0	0.0%	1,908	131	1,356.5%	800	0	0.0%
COPPER	H3M	0	-	-	94	-	0	-	-	0	-	-	891	-	-	0	-	-	
COPPER	H3W	0	-	-	93	-	0	-	-	0	-	-	516	-	-	0	-	-	
COPPER	H4E	0	0	0.0%	273	18	14.17	0	0	0.0%	0	0	0.0%	2,975	98	2,935.7%	165	80	106.3%
COPPER	H4M	0	-	-	109	-	0	-	-	0	-	-	591	-	-	0	-	-	
COPPER	H4W	0	-	-	244	-	0	-	-	0	-	-	889	-	-	0	-	-	
COPPER	H5E	0	0	0.0%	447	1	446	740	0	0.0%	0	0	0.0%	857	8	10,612.5%	1,040	0	0.0%
COPPER	H5M	0	-	-	95	-	0	-	-	0	-	-	455	-	-	0	-	-	
COPPER	H5W	0	-	-	0	-	0	-	-	0	-	-	966	-	-	0	-	-	
GOLD	G1M	0	-	-	3,816	-	1,200	-	-	0	-	-	34,857	-	-	2,412	-	-	
GOLD	G1W	0	-	-	13,505	-	1,200	-	-	0	-	-	62,952	-	-	2,300	-	-	
GOLD	G2M	0	-	-	10,612	-	650	-	-	0	-	-	50,028	-	-	3,950	-	-	
GOLD	G2W	0	-	-	14,120	-	1,150	-	-	0	-	-	57,071	-	-	2,125	-	-	
GOLD	G3M	0	-	-	8,468	-	1,550	-	-	0	-	-	37,415	-	-	1,850	-	-	
GOLD	G3W	0	-	-	6,968	-	500	-	-	0	-	-	53,227	-	-	4,665	-	-	
GOLD	G4M	0	-	-	1,779	-	0	-	-	0	-	-	25,024	-	-	0	-	-	
GOLD	G4W	0	-	-	3,660	-	0	-	-	0	-	-	30,719	-	-	100	-	-	
GOLD	G5M	0	-	-	1,227	-	0	-	-	0	-	-	9,691	-	-	0	-	-	
GOLD	G5W	0	-	-	0	-	0	-	-	0	-	-	21,512	-	-	1,430	-	-	
GOLD	OG1	0	0	0.0%	37,104	18,669	0.99	500	1,670	-70.1%	0	0	0.0%	526,982	474,159	11.1%	21,450	31,832	-32.6%

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry DEC 2022	Open Outcry DEC 2021	% CHG	ELEC DEC 2022	ELEC DEC 2021	% CHG	CME ClearPort DEC 2022	CME ClearPort DEC 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG	CME ClearPort Y.T.D 2022	CME ClearPort Y.T.D 2021	% CHG	
Metals Options																			
GOLD	OG2	0	0	0.0%	41,818	29,716	0.41	1,900	2,526	-24.8%	0	0	0.0%	526,268	488,880	7.6%	19,963	30,530	-34.6%
GOLD	OG3	0	0	0.0%	73,871	36,365	1.03	700	1,370	-48.9%	0	0	0.0%	562,645	480,598	17.1%	18,211	28,028	-35.0%
GOLD	OG4	0	0	0.0%	23,574	23,318	0.01	1,100	2,265	-51.4%	0	0	0.0%	422,340	341,987	23.5%	10,015	10,762	-6.9%
GOLD	OG5	0	0	0.0%	20,949	19,429	0.08	600	1,035	-42.0%	0	0	0.0%	137,094	138,690	-1.2%	2,060	5,376	-61.7%
HOT ROLLED COIL STEEL CALL	HRO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
HOT ROLLED COIL STEEL PUT	HRO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA TSI CALL C	ICT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA TSI PUT O	ICT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
IRON ORE CHINA	ICT	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%	0	0	0.0%	300	6,298	-95.2%
NYMEX HOT ROLLED STEEL	HRO	0	0	0.0%	0	0	0	725	1,055	-31.3%	0	0	0.0%	20	0	0.0%	18,770	4,855	286.6%
NYMEX PLATINUM	PO	0	0	0.0%	347	393	-0.12	500	1,140	-56.1%	0	0	0.0%	5,971	6,057	-1.4%	46,360	28,746	61.3%
PALLADIUM	PAO	0	0	0.0%	122	6	19.33	0	150	-100.0%	0	0	0.0%	260	716	-63.7%	0	6,070	-100.0%
SILVER	M1S	0	-	-	584	-	0	-	-	-	0	-	-	6,640	-	-	100	-	-
SILVER	M2S	0	-	-	1,533	-	0	-	-	-	0	-	-	5,324	-	-	600	-	-
SILVER	M3S	0	-	-	474	-	0	-	-	-	0	-	-	2,410	-	-	0	-	-
SILVER	M4S	0	-	-	219	-	0	-	-	-	0	-	-	2,654	-	-	60	-	-
SILVER	M5S	0	-	-	65	-	0	-	-	-	0	-	-	609	-	-	0	-	-
SILVER	SO1	0	0	0.0%	8,981	2,830	2.17	0	80	-100.0%	0	0	0.0%	69,467	35,600	95.1%	2,985	4,011	-25.6%
SILVER	SO2	0	0	0.0%	7,202	3,272	1.2	100	375	-73.3%	0	0	0.0%	62,720	39,867	57.3%	4,875	3,998	21.9%
SILVER	SO3	0	0	0.0%	5,759	3,110	0.85	450	480	-6.3%	0	0	0.0%	53,776	31,991	68.1%	2,684	4,108	-34.7%
SILVER	SO4	0	0	0.0%	4,040	2,909	0.39	100	0	0.0%	0	0	0.0%	40,505	24,608	64.6%	1,060	922	15.0%
SILVER	SO5	0	0	0.0%	6,117	2,553	1.4	450	100	350.0%	0	0	0.0%	14,946	10,488	42.5%	850	995	-14.6%
SILVER	W1S	0	-	-	1,327	-	150	-	-	-	0	-	-	4,927	-	-	150	-	-
SILVER	W2S	0	-	-	867	-	0	-	-	-	0	-	-	5,264	-	-	0	-	-
SILVER	W3S	0	-	-	739	-	0	-	-	-	0	-	-	3,164	-	-	200	-	-
SILVER	W4S	0	-	-	315	-	0	-	-	-	0	-	-	1,235	-	-	0	-	-
SILVER	W5S	0	-	-	0	-	0	-	-	-	0	-	-	1,368	-	-	100	-	-
TOTAL FUTURES GROUP																			
Ag Products Futures		0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2	-100.0%	0	0	0.0%
Energy Futures		0	0	0.0%	31,247,015	34,709,091	-10.0%	1,897,968	1,766,054	7.5%	0	0	0.0%	424,987,289	465,185,959	-8.6%	23,028,503	24,652,254	-6.6%
Metals Futures		0	0	0.0%	7,308,526	6,519,970	12.1%	150,881	137,500	9.7%	0	0	0.0%	112,887,325	122,726,763	-8.0%	2,378,879	2,316,481	2.7%
TOTAL FUTURES		0	0	0.0%	38,555,541	41,229,061	-6.5%	2,048,849	1,903,554	7.6%	0	0	0.0%	537,874,614	587,912,724	-8.5%	25,407,382	26,968,735	-5.8%

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TOTAL OPTIONS GROUP																		
Energy Options	0	0	0.0%	2,468,831	2,861,508	-13.7%	1,945,986	1,426,383	36.4%	0	0	0.0%	35,487,877	39,033,969	-9.1%	24,884,894	22,367,338	11.3%
Metals Options	0	0	0.0%	1,001,167	654,053	53.1%	134,759	74,160	81.7%	0	0	0.0%	13,365,376	10,992,890	21.6%	2,049,648	2,070,744	-1.0%
TOTAL OPTIONS	0	0	0.0%	3,469,998	3,515,561	-1.3%	2,080,745	1,500,543	38.7%	0	0	0.0%	48,853,253	50,026,859	-2.3%	26,934,542	24,438,082	10.2%
TOTAL COMBINED																		
Ag Products	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2	-100.0%	0	0	0.0%
Energy	0	0	0.0%	33,715,846	37,570,599	-10.3%	3,843,954	3,192,437	20.4%	0	0	0.0%	460,475,166	504,219,928	-8.7%	47,913,397	47,019,592	1.9%
Metals	0	0	0.0%	8,309,693	7,174,023	15.8%	285,640	211,660	35.0%	0	0	0.0%	126,252,701	133,719,653	-5.6%	4,428,527	4,387,225	0.9%
GRAND TOTAL	0	0	0.0%	42,025,539	44,744,622	-6.1%	4,129,594	3,404,097	21.3%	0	0	0.0%	586,727,867	637,939,583	-8.0%	52,341,924	51,406,817	1.8%

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