

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	CME ClearPort OCT 2022	CME ClearPort OCT 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	
<b>Ag Products Futures</b>																			
COFFEE	KT	0	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	0.0%
SUGAR 11	YO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
<b>Energy Futures</b>																			
CRUDE OIL PHY	CL	0	0	0.0%	13,973,241	24,024,542	-0.42	366,407	499,519	-26.6%	0	0	0.0%	171,116,971	203,816,473	-16.0%	3,660,666	4,185,771	-12.5%
CRUDE OIL	WS	0	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%	463,840	431,708	0.07	0	0	0.0%	0	0	0.0%	6,121,343	4,162,875	47.0%	0	0	0.0%
BRENT OIL LAST DAY	BZ	0	0	0.0%	1,417,149	2,080,706	-0.32	32,940	35,081	-6.1%	0	0	0.0%	14,487,397	20,040,233	-27.7%	263,195	206,012	27.8%
HEATING OIL PHY	HO	0	0	0.0%	3,447,015	3,638,608	-0.05	98,105	247,764	-60.4%	0	0	0.0%	32,977,629	30,197,116	9.2%	1,091,963	1,892,191	-42.3%
HTG OIL	BH	0	0	0.0%	0	0	0	36	12	200.0%	0	0	0.0%	0	0	0.0%	108	124	-12.9%
MINY HTG OIL	QH	0	0	0.0%	10	4	1.5	0	0	0.0%	0	0	0.0%	86	61	41.0%	0	0	0.0%
RBOB PHY	RB	0	0	0.0%	2,883,756	3,772,739	-0.24	168,948	223,382	-24.4%	0	0	0.0%	33,842,289	38,487,183	-12.1%	1,503,081	1,901,902	-21.0%
MINY RBOB GAS	QU	0	0	0.0%	7	7	0	0	0	0.0%	0	0	0.0%	90	86	4.7%	0	0	0.0%
NATURAL GAS	HP	0	0	0.0%	32,982	86,817	-0.62	115,170	178,494	-35.5%	0	0	0.0%	429,033	535,065	-19.8%	1,268,863	1,095,065	15.9%
LTD NAT GAS	HH	0	0	0.0%	243,614	290,241	-0.16	105,279	114,049	-7.7%	0	0	0.0%	2,402,861	2,335,755	2.9%	1,132,148	1,033,729	9.5%
MINY NATURAL GAS	QG	0	0	0.0%	198,820	529,394	-0.62	0	0	0.0%	0	0	0.0%	3,085,527	1,784,819	72.9%	168	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%	6,296,137	8,878,810	-0.29	115,238	142,395	-19.1%	0	0	0.0%	70,186,789	80,866,141	-13.2%	1,386,518	1,497,191	-7.4%
RBOB GAS	RT	0	0	0.0%	0	0	0	24	24	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	0.0%
ARGUS LLS VS. WTI (ARG) T	E5	0	0	0.0%	0	0	0	6,400	5,370	19.2%	0	0	0.0%	0	0	0.0%	60,320	87,347	-30.9%
ARGUS PROPAN FAR EST INDE	7E	0	0	0.0%	0	0	0	6,132	8,271	-25.9%	0	0	0.0%	0	0	0.0%	57,241	61,798	-7.4%
ARGUS PROPAN(SAUDI ARAMC	9N	0	0	0.0%	0	0	0	1,873	2,271	-17.5%	0	0	0.0%	0	0	0.0%	19,383	18,243	6.2%
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	0.0%	1,587	1,314	20.8%
BRENT CALENDAR SWAP	CY	0	0	0.0%	0	0	0	8,339	6,171	35.1%	0	0	0.0%	0	0	0.0%	147,977	99,188	49.2%
BRENT FINANCIAL FUTURES	BB	0	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	0	0	0.0%	0	0	0.0%	0	0	0.0%	250	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%	0	68	-100.0%

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<b>Energy Futures</b>																			
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%	1,402	1,556	-0.1	4,215	400	953.8%	0	0	0.0%	18,586	7,713	141.0%	13,733	1,769	676.3%
CAR VINTAGE	NGO	0	0	0.0%	3,862	1,904	1.03	4,481	2,265	97.8%	0	0	0.0%	41,827	9,483	341.1%	76,935	8,755	778.8%
CHICAGO ETHANOL SWAP	CU	0	0	0.0%	175	906	-0.81	58,370	82,214	-29.0%	0	0	0.0%	1,503	3,345	-55.1%	596,175	731,362	-18.5%
CHICAGO ULSD PL VS HO SPR	5C	0	0	0.0%	0	0	0	1,540	135	1,040.7%	0	0	0.0%	0	0	0.0%	6,683	3,697	80.8%
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	425	-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	365	113	223.0%	0	0	0.0%	0	0	0.0%	2,961	3,258	-9.1%
CONWAY NORMAL BUTANE (O	8M	0	0	0.0%	0	0	0	330	475	-30.5%	0	0	0.0%	0	0	0.0%	3,507	2,982	17.6%
CONWAY PROPANE 5 DECIMAL	8K	0	0	0.0%	1	0	0	18,517	16,141	14.7%	0	0	0.0%	75	31	141.9%	160,883	148,563	8.3%
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	390	266	46.6%	0	0	0.0%	0	0	0.0%	4,022	2,673	50.5%
CRUDE OIL OUTRIGHTS	42	0	0	0.0%	0	0	0	418	129	224.0%	0	0	0.0%	0	0	0.0%	9,034	3,033	197.9%
CRUDE OIL OUTRIGHTS	CC5	0	0	0.0%	0	0	0	422	480	-12.1%	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	60	30	100.0%	0	0	0.0%	0	0	0.0%	1,320	14,019	-90.6%
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%	190	0	0	65,609	77,908	-15.8%	0	0	0.0%	190	0	0.0%	722,727	606,520	19.2%
CRUDE OIL OUTRIGHTS	LSW	0	0	0.0%	0	0	0	82	585	-86.0%	0	0	0.0%	0	0	0.0%	4,347	10,282	-57.7%
CRUDE OIL OUTRIGHTS	WCW	0	0	0.0%	0	0	0	140	3,030	-95.4%	0	0	0.0%	0	0	0.0%	17,270	34,342	-49.7%
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%	2,178,545	1,296,285	0.68	0	0	0.0%	0	0	0.0%	26,002,781	4,638,398	460.6%	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	330	660	-50.0%	0	0	0.0%	0	0	0.0%	8,466	4,147	104.1%
CRUDE OIL SPRDS	HIL	0	0	0.0%	0	0	0	0	250	-100.0%	0	0	0.0%	0	0	0.0%	3,255	5,350	-39.2%
CRUDE OIL SPRDS	WTT	0	0	0.0%	35	0	0	43,009	43,423	-1.0%	0	0	0.0%	35	0	0.0%	510,302	253,198	101.5%
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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<b>Energy Futures</b>																			
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	900	-100.0%	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	3,988	-1	5,568	-100.0%	0	0	0.0%	10,828	388,948	-97.2%	3,779	42,721	-91.2%	
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
EIA FLAT TAX ONHWAY DIESE	A5	0	0	0.0%	0	0	0	36	-100.0%	0	0	0.0%	12	1	1,100.0%	826	4,338	-81.0%	
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%	
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	-	-	1,437	-	0	-	-	0	-	-	19,037	-	-	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	300	220	36.4%	0	0	0.0%	0	0	0.0%	1,965	1,813	8.4%	
ETHANOL T2 FOB ROTT INCL D	Z1	0	0	0.0%	0	0	2,783	4,932	-43.6%	0	0	0.0%	0	0	0.0%	34,878	36,941	-5.6%	
EURO 3.5% FUEL OIL RDAM B	KR	0	0	0.0%	0	0	0	30	-100.0%	0	0	0.0%	0	0	0.0%	0	46	-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	1,187	-100.0%	0	0	0.0%	0	0	0.0%	1,169	2,767	-57.8%	
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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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	13	46	-71.7%	0	0	0.0%	0	0	0.0%	559	442	26.5%
EUROPEAN GASOIL (ICE)	7F	0	0	0.0%	99	52	0.9	100	2,554	-96.1%	0	0	0.0%	2,505	454	451.8%	10,958	7,528	45.6%
EUROPEAN NAPHTHA BALMO	KZ	0	0	0.0%	0	0	0	5	0	0.0%	0	0	0.0%	0	0	0.0%	181	43	320.9%
EUROPEAN NAPHTHA CRACK SF	EN	0	0	0.0%	0	0	0	1,292	1,529	-15.5%	0	0	0.0%	0	0	0.0%	21,407	16,426	30.3%
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	343	771	-55.5%	0	0	0.0%	0	0	0.0%	5,881	6,079	-3.3%
EURO PROPANE CIF ARA SWA	PS	0	0	0.0%	0	0	0	2,313	1,975	17.1%	0	0	0.0%	0	0	0.0%	17,897	15,426	16.0%
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	0	0.0%	0	0	0.0%	0	0	0.0%	0	119	-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	105	-100.0%	0	0	0.0%	0	0	0.0%	1,245	235	429.8%
FREIGHT MARKETS	CS3	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0.0%	10	-	-
FREIGHT MARKETS	CS4	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0.0%	360	-	-
FREIGHT MARKETS	FLJ	0	0	0.0%	0	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	0	92	-100.0%
FREIGHT MARKETS	FLP	0	0	0.0%	0	0	0	68	20	240.0%	0	0	0.0%	0	0	0.0%	296	614	-51.8%
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	20	309	-93.5%	0	0	0.0%	0	0	0.0%	728	784	-7.1%
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%	0	-	-
FREIGHT MARKETS	TD3	0	-	-	0	-	0	0	-	-	0	-	0	-	-	0.0%	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	60	-100.0%	0	0	0.0%	0	0	0.0%	1,192	2,203	-45.9%
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	21	790	-97.3%	0	0	0.0%	0	0	0.0%	1,982	6,877	-71.2%
GAS EURO-BOB OXY NWE BAR	7K	0	0	0.0%	0	0	0	1,207	6,252	-80.7%	0	0	0.0%	0	0	0.0%	24,763	52,285	-52.6%
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 OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	CME ClearPort OCT 2022	CME ClearPort OCT 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
<b>Energy Futures</b>																		
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	15	-100.0%	0	0	0.0%	0	0	0.0%	66	163	-59.5%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0	12	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	6	304	-98.0%	0	0	0.0%	0	0	0.0%	977	1,422	-31.3%
GASOIL CRACK SPREAD CALE	GZ	0	0	0.0%	0	0	0	1,518	-100.0%	0	0	0.0%	0	0	0.0%	10,959	15,811	-30.7%
GASOIL MINI CALENDAR SWAP	QA	0	0	0.0%	0	0	116	295	-60.7%	0	0	0.0%	0	0	0.0%	2,817	3,453	-18.4%
GERMAN POWER BASELOAD C	DEB	0	0	0.0%	0	46	0	0	0.0%	0	0	0.0%	0	136	-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	4,826	6,310	-23.5%	0	0	0.0%	0	0	0.0%	46,203	43,935	5.2%
GRP THREE UNL GS (PLT) VS	A8	0	0	0.0%	0	0	905	2,250	-59.8%	0	0	0.0%	0	0	0.0%	30,862	26,294	17.4%
GULF COAST 3% FUEL OIL BA	VZ	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	967	712	35.8%
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	5,219	16,948	-69.2%	0	0	0.0%	0	0	0.0%	96,448	212,707	-54.7%
GULF COAST NO.6 FUEL OIL	MF	0	0	0.0%	0	0	9,657	305	3,066.2%	0	0	0.0%	0	0	0.0%	45,197	18,214	148.1%
GULF COAST NO.6 FUEL OIL	MG	0	0	0.0%	0	0	13,424	9,400	42.8%	0	0	0.0%	0	0	0.0%	78,277	24,738	216.4%
GULF COAST ULSD CALENDAR	LY	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	804	4,138	-80.6%
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	87	394	-77.9%	0	0	0.0%	0	0	0.0%	3,490	2,905	20.1%
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	-	-	40	-	0	-	-	0	-	-	66	-	-	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%	162	0	23,384	19,717	18.6%	0	0	0.0%	1,470	31	4,641.9%	279,096	327,610	-14.8%
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	155	-100.0%	0	0	0.0%	0	0	0.0%	2,193	5,604	-60.9%
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	0	0.0%
JAPAN C&F NAPHTHA SWAP	JA	0	0	0.0%	0	0	141	30	370.0%	0	0	0.0%	0	0	0.0%	1,163	622	87.0%

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	CME ClearPort OCT 2022	CME ClearPort OCT 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	
<b>Energy Futures</b>																			
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	6	12	-50.0%	
JET CIF NWE VS ICE	JC	0	0	0.0%	0	0	24	45	-46.7%	0	0	0.0%	0	0	0.0%	1,525	1,364	11.8%	
JET FUEL UP-DOWN BALMO CL	1M	0	0	0.0%	0	0	245	1,255	-80.5%	0	0	0.0%	0	0	0.0%	15,241	15,839	-3.8%	
JKM LNG Futures	JKM	0	0	0.0%	0	0	335	192	74.5%	0	0	0.0%	0	0	0.0%	3,223	5,593	-42.4%	
LA CARB DIESEL (OPIS) SWA	KL	0	0	0.0%	0	0	10	130	-92.3%	0	0	0.0%	0	0	0.0%	2,291	1,945	17.8%	
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	225	-100.0%	
LA JET (OPIS) SWAP	JS	0	0	0.0%	0	0	50	1,025	-95.1%	0	0	0.0%	0	0	0.0%	3,375	5,020	-32.8%	
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%	
LLS (ARGUS) VS WTI SWAP	WJ	0	0	0.0%	0	0	0	600	-100.0%	0	0	0.0%	0	0	0.0%	93	2,450	-96.2%	
LOS ANGELES CARB GASOLIN	MH	-	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	300	-100.0%	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	15,185	18,893	-19.6%	0	0	0.0%	0	0	0.0%	156,346	184,891	-15.4%	
MARS BLEND CRUDE OIL	MB	-	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%	265	1,645	-0.84	661	17,054	-96.1%	0	0	0.0%	6,259	21,282	-70.6%	47,391	116,580	-59.3%
MCCLOSKY RCH BAY COAL	MFF	0	0	0.0%	0	4	-1	80	1,068	-92.5%	0	0	0.0%	140	217	-35.5%	3,996	8,822	-54.7%
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%	
MICHIGAN BASIS	NF	-	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	0.0%	0	0	0.0%	0	0	0.0%	263	125	110.4%	
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%	50	391	-87.2%	
MINI RBOB V. EBOB(ARGUS) N	MXB	0	0	0.0%	0	0	130	429	-69.7%	0	0	0.0%	0	0	0.0%	3,054	5,819	-47.5%	
MJC FUT	MJC	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	1,545	1,111	39.1%	0	0	0.0%	0	0	0.0%	16,897	8,354	102.3%	
MONT BELVIEU ETHANE 5 DECI	C0	0	0	0.0%	0	0	32,072	41,445	-22.6%	0	0	0.0%	310	325	-4.6%	362,274	291,928	24.1%	
MONT BELVIEU ETHANE OPIS E	8C	0	0	0.0%	0	0	220	4,571	-95.2%	0	0	0.0%	0	0	0.0%	8,901	8,398	6.0%	
MONT BELVIEU LDH PROPANE	B0	0	0	0.0%	198	37	4.35	192,423	225,124	-14.5%	0	0	0.0%	527	494	6.7%	1,698,381	1,884,956	-9.9%
MONT BELVIEU LDH PROPANE	8O	0	0	0.0%	0	0	1,593	3,076	-48.2%	0	0	0.0%	0	0	0.0%	27,070	31,873	-15.1%	
MONT BELVIEU NATURAL GAS	7Q	0	0	0.0%	46	0	0	27,068	13,249	104.3%	0	0	0.0%	221	0	0.0%	246,632	145,847	69.1%
MONT BELVIEU NATURAL GAS	R0	0	0	0.0%	0	0	2,814	710	296.3%	0	0	0.0%	0	0	0.0%	16,388	6,465	153.5%	
MONT BELVIEU NORMAL BUTA	D0	0	0	0.0%	0	15	-1	57,789	63,897	-9.6%	0	0	0.0%	0	40	-100.0%	545,470	553,095	-1.4%
MONT BELVIEU NORMAL BUTA	8J	0	0	0.0%	0	0	0	2,247	1,469	53.0%	0	0	0.0%	0	0	0.0%	15,157	12,816	18.3%
NATURAL GAS PEN SWP	NP	0	0	0.0%	0	15	-1	33,039	57,361	-42.4%	0	0	0.0%	0	133	-100.0%	451,404	542,601	-16.8%
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%	
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%	
NEPOOL NE MASS 5MW D AH O	P8	-	0	0.0%	-	0	0	-	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%	

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<b>Energy Futures</b>																			
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	605	420	44.0%	0	0	0.0%	0	0	0.0%	8,992	1,570	472.7%
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%	0	0	0	1,038	1,889	-45.1%	0	0	0.0%	72	24	200.0%	12,417	10,080	23.2%
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	75	325	-76.9%	0	0	0.0%	0	0	0.0%	1,350	2,224	-39.3%
NYH NO 2 CRACK SPREAD CAL	HK	0	0	0.0%	0	0	0	1,344	2,234	-39.8%	0	0	0.0%	0	0	0.0%	16,950	16,483	2.8%
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	840	600	40.0%	0	0	0.0%	0	0	0.0%	5,412	650	732.6%
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	82	286	-71.3%	0	0	0.0%	0	0	0.0%	1,390	1,703	-18.4%
PETROCHEMICALS	32	0	0	0.0%	0	0	0	92	137	-32.8%	0	0	0.0%	0	0	0.0%	425	617	-31.1%
PETROCHEMICALS	3NA	0	0	0.0%	0	0	0	45	21	114.3%	0	0	0.0%	0	0	0.0%	267	149	79.2%
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%
PETROCHEMICALS	8I	0	0	0.0%	0	0	0	1,683	1,356	24.1%	0	0	0.0%	0	0	0.0%	9,339	11,935	-21.8%

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	CME ClearPort OCT 2022	CME ClearPort OCT 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	
<b>Energy Futures</b>																			
PETROCHEMICALS	91	0	0.0%	0	0	0	377	691	-45.4%	0	0	0.0%	0	0	0.0%	3,211	3,944	-18.6%	
PETROCHEMICALS	MAA	0	0.0%	0	0	0	0	130	-100.0%	0	0	0.0%	0	0	0.0%	460	425	8.2%	
PETROCHEMICALS	MAE	0	0.0%	0	0	0	1,292	2,135	-39.5%	0	0	0.0%	0	0	0.0%	11,582	9,260	25.1%	
PETROCHEMICALS	MAS	0	0.0%	0	0	0	310	1,265	-75.5%	0	0	0.0%	0	0	0.0%	3,570	3,655	-2.3%	
PETROCHEMICALS	MBE	0	0.0%	0	0	0	0	170	-100.0%	0	0	0.0%	0	0	0.0%	710	650	9.2%	
PETROCHEMICALS	MNB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	2,039	-99.3%	
PETROCHEMICALS	MPS	0	0.0%	0	0	0	329	317	3.8%	0	0	0.0%	0	0	0.0%	2,626	3,737	-29.7%	
PETROCHEMICALS	NWM	0	-	0	-	-	305	-	-	0	-	-	0	-	-	305	-	-	
PETROCHEMICALS	PMF	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%	
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%	
PETRO CRCKS & SPRDS NA	CRB	0	0.0%	0	0	0	11,592	25,087	-53.8%	0	0	0.0%	0	0	0.0%	164,289	210,326	-21.9%	
PETRO CRCKS & SPRDS NA	EXR	0	0.0%	0	0	0	132	618	-78.6%	0	0	0.0%	0	0	0.0%	2,681	6,285	-57.3%	
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%	
PETRO CRCKS & SPRDS NA	GBB	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%	
PETRO CRCKS & SPRDS NA	GCI	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%	
PETRO CRCKS & SPRDS NA	GCU	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%	1,350	460	193.5%	
PETRO CRCKS & SPRDS NA	HOB	0	0.0%	0	0	0	0	575	-100.0%	0	0	0.0%	0	0	0.0%	577	3,880	-85.1%	
PETRO CRCKS & SPRDS NA	MFR	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%	
PETRO CRCKS & SPRDS NA	RBB	0	0.0%	0	0	0	673	2,687	-75.0%	0	0	0.0%	0	0	0.0%	6,626	15,114	-56.2%	
PETRO CRCKS & SPRDS NA	RVG	0	0.0%	0	0	0	1,720	0	0.0%	0	0	0.0%	0	0	0.0%	19,535	11,370	71.8%	
PETRO CRCKS & SPRDS NA	SF3	-	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	336	0	0.0%	0	0	0.0%	0	0	0.0%	2,121	383	453.8%	
PETRO CRK&SPRD EURO	43	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	121	21	476.2%	
PETRO CRK&SPRD EURO	BOB	0	0.0%	0	0	0	0	207	-100.0%	0	0	0.0%	0	0	0.0%	605	1,180	-48.7%	
PETRO CRK&SPRD EURO	EOB	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%	
PETRO CRK&SPRD EURO	EPN	0	0.0%	0	0	0	374	456	-18.0%	0	0	0.0%	0	0	0.0%	3,965	5,141	-22.9%	
PETRO CRK&SPRD EURO	EVC	0	0.0%	0	0	0	40	60	-33.3%	0	0	0.0%	0	0	0.0%	827	836	-1.1%	
PETRO CRK&SPRD EURO	FVB	-	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%	

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator		Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	CME ClearPort OCT 2022	CME ClearPort OCT 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
<b>Energy Futures</b>																			
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	10	-100.0%	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	0	0.0%
PETRO CRK&SPRD EURO	NOB	0	0	0.0%	0	0	0	75	11	581.8%	0	0	0.0%	0	0	0.0%	917	483	89.9%
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	350	300	16.7%	0	0	0.0%	0	0	0.0%	1,590	730	117.8%
PETROLEUM PRODUCTS	EWG	0	0	0.0%	0	0	0	150	1,538	-90.2%	0	0	0.0%	0	0	0.0%	4,767	4,948	-3.7%
PETROLEUM PRODUCTS	H5F	0	0	0.0%	0	0	0	150	0	0.0%	0	0	0.0%	0	0	0.0%	785	60	1,208.3%
PETROLEUM PRODUCTS	JCC	0	0	0.0%	0	50	-1	2,250	600	275.0%	0	0	0.0%	0	50	-100.0%	13,516	2,100	543.6%
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	5	-100.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
PETROLEUM PRODUCTS	R5F	0	0	0.0%	0	0	0	24	86	-72.1%	0	0	0.0%	0	0	0.0%	456	442	3.2%
PETROLEUM PRODUCTS	S53	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	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	30	-100.0%	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%	50	10	400.0%
PETROLEUM PRODUCTS ASIA	MJN	0	0	0.0%	0	0	0	320	491	-34.8%	0	0	0.0%	0	0	0.0%	7,176	2,614	174.5%
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	62	56	10.7%	0	0	0.0%	0	0	0.0%	295	876	-66.3%
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	9	9	0.0%
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%	10	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	8	20	-60.0%	0	0	0.0%	0	0	0.0%	46	62	-25.8%
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

Commodity Indicator	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	CME ClearPort OCT 2022	CME ClearPort OCT 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
<b>Energy Futures</b>																		
PETRO OUTRIGHT EURO	CGB	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	12	60	-80.0%	0	0	0.0%	0	0	0.0%	1,686	3,482	-51.6%
PETRO OUTRIGHT EURO	EFF	-	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	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%
PETRO OUTRIGHT EURO	EWN	0	0	0.0%	0	0	480	434	10.6%	0	0	0.0%	0	0	0.0%	1,765	2,007	-12.1%
PETRO OUTRIGHT EURO	FLB	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%
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%
PETRO OUTRIGHT EURO	JFB	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	817	851	-4.0%	0	0	0.0%	0	0	0.0%	11,015	12,692	-13.2%
PETRO OUTRIGHT EURO	MBB	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	410	284	44.4%	0	0	0.0%	0	0	0.0%	6,021	3,550	69.6%
PETRO OUTRIGHT EURO	MEF	0	0	0.0%	0	0	0	60	-100.0%	0	0	0.0%	0	0	0.0%	94	2,337	-96.0%
PETRO OUTRIGHT EURO	MQA	0	0	0.0%	0	0	0	35	-100.0%	0	0	0.0%	0	0	0.0%	188	65	189.2%
PETRO OUTRIGHT EURO	R53	0	0	0.0%	0	0	0	35	-100.0%	0	0	0.0%	0	0	0.0%	0	127	-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	56	-100.0%
PETRO OUTRIGHT EURO	R5M	0	0	0.0%	0	0	1,440	1,880	-23.4%	0	0	0.0%	0	0	0.0%	17,717	11,740	50.9%
PETRO OUTRIGHT EURO	R5O	0	0	0.0%	0	0	511	649	-21.3%	0	0	0.0%	0	0	0.0%	9,624	7,016	37.2%
PETRO OUTRIGHT EURO	RBM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	112	34	229.4%
PETRO OUTRIGHT EURO	S5B	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	101	85	18.8%	0	0	0.0%	0	0	0.0%	1,150	1,080	6.5%
PETRO OUTRIGHT EURO	S5M	0	0	0.0%	0	0	2,074	2,005	3.4%	0	0	0.0%	0	0	0.0%	21,714	17,417	24.7%
PETRO OUTRIGHT EURO	S5O	0	0	0.0%	0	0	712	1,903	-62.6%	0	0	0.0%	0	0	0.0%	25,981	11,143	133.2%
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0	0	200	-100.0%	0	0	0.0%	0	0	0.0%	0	1,400	-100.0%
PETRO OUTRIGHT EURO	SR5	0	-	-	0	-	12	-	-	0	-	-	0	-	-	120	-	-
PETRO OUTRIGHT EURO	T0	-	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%
PETRO OUTRIGHT EURO	TLB	0	0	0.0%	0	0	0	25	-100.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%
PETRO OUTRIGHT EURO	ULB	-	0	0.0%	-	0	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
PETRO OUTRIGHT EURO	UNB	-	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	132	-100.0%	0	0	0.0%	0	0	0.0%	0	450	-100.0%
PETRO OUTRIGHT NA	A8B	0	0	0.0%	0	0	50	215	-76.7%	0	0	0.0%	0	0	0.0%	2,305	1,090	111.5%
PETRO OUTRIGHT NA	AB6	0	0	0.0%	0	0	590	145	306.9%	0	0	0.0%	0	0	0.0%	3,445	1,930	78.5%

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	CME ClearPort OCT 2022	CME ClearPort OCT 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	
<b>Energy Futures</b>																			
PETRO OUTRIGHT NA	BCR	0	0	0.0%	0	0	0	2,050	3,042	-32.6%	0	0	0.0%	0	0	0.0%	25,170	18,507	36.0%
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	32	-100.0%	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	975	450	116.7%	0	0	0.0%	0	0	0.0%	5,785	4,025	43.7%
PETRO OUTRIGHT NA	JTB	0	0	0.0%	0	0	0	75	0	0.0%	0	0	0.0%	0	0	0.0%	2,136	665	221.2%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0	0	75	282	-73.4%	0	0	0.0%	0	0	0.0%	860	671	28.2%
PETRO OUTRIGHT NA	MEN	0	0	0.0%	0	0	0	0	95	-100.0%	0	0	0.0%	0	0	0.0%	581	627	-7.3%
PETRO OUTRIGHT NA	MEO	0	0	0.0%	0	0	0	302	294	2.7%	0	0	0.0%	0	0	0.0%	2,611	4,569	-42.9%
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	10	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	1,347	1,421	-5.2%	0	0	0.0%	0	0	0.0%	9,919	13,241	-25.1%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	0	0	0	0	180	-100.0%	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	2,404	915	162.7%	0	0	0.0%	0	0	0.0%	16,530	13,566	21.8%
PROPANE NON-LDH MT. BEL (O	1R	0	0	0.0%	0	0	0	14,183	12,554	13.0%	0	0	0.0%	0	0	0.0%	127,836	159,496	-19.9%
RBOB CALENDAR SWAP	RL	0	0	0.0%	0	0	0	8,402	7,310	14.9%	0	0	0.0%	0	0	0.0%	52,307	68,840	-24.0%
RBOB CRACK SPREAD	RM	0	0	0.0%	0	0	0	395	3,099	-87.3%	0	0	0.0%	0	0	0.0%	14,912	21,124	-29.4%
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	647	713	-9.3%	0	0	0.0%	0	0	0.0%	12,516	8,002	56.4%

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	CME ClearPort OCT 2022	CME ClearPort OCT 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
<b>Energy Futures</b>																		
RBOB PHY	MRB	0	-	-	31	-	0	-	-	0	-	-	59	-	-	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	420	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%	2	0	0.0%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0	0	13	-100.0%	0	0	0.0%	0	0	0.0%	1	23	-95.7%
SINGAPORE 380CST FUEL OIL	SE	0	0	0.0%	0	0	12	167	-92.8%	0	0	0.0%	0	0	0.0%	1,303	1,834	-29.0%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	0	3	0	0.0%	0	0	0.0%	0	0	0.0%	3	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	45	0	0.0%	0	0	0.0%	0	0	0.0%	102	0	0.0%
SINGAPORE GASOIL	MAF	0	0	0.0%	0	0	77	292	-73.6%	0	0	0.0%	0	0	0.0%	3,957	2,739	44.5%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0	0	10	-100.0%	0	0	0.0%	0	0	0.0%	196	52	276.9%
SINGAPORE GASOIL	MTS	0	0	0.0%	0	0	386	494	-21.9%	0	0	0.0%	0	0	0.0%	3,368	3,654	-7.8%
SINGAPORE GASOIL	SBM	0	0	0.0%	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	332	118	181.4%
SINGAPORE GASOIL CALENDAS	MSG	0	0	0.0%	0	0	61	310	-80.3%	0	0	0.0%	0	0	0.0%	1,246	8,111	-84.6%
SINGAPORE GASOIL SWAP	SG	0	0	0.0%	0	0	15	586	-97.4%	0	0	0.0%	0	0	0.0%	3,155	13,083	-75.9%
SINGAPORE GASOIL VS ICE	GA	0	0	0.0%	0	0	0	600	-100.0%	0	0	0.0%	0	0	0.0%	3,936	10,028	-60.7%
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	0	0.0%	0	0	0.0%	0	0	0.0%	3,725	1,990	87.2%
SINGAPORE JET KEROSENE S	KS	0	0	0.0%	0	0	0	640	-100.0%	0	0	0.0%	0	0	0.0%	405	2,135	-81.0%
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	0	1,620	-100.0%	0	0	0.0%	0	0	0.0%	600	6,556	-90.8%
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	144	195	-26.2%	0	0	0.0%	0	0	0.0%	438	300	46.0%
TC5 RAS TANURA TO YOKOHA	TH	0	0	0.0%	0	0	0	300	-100.0%	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	40	968	-95.9%	0	0	0.0%	0	0	0.0%	6,285	11,400	-44.9%
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	7,335	6,290	16.6%	0	0	0.0%	0	0	0.0%	61,479	48,794	26.0%
UP DOWN GC ULSD VS NMX H	LT	0	0	0.0%	0	0	21,792	37,642	-42.1%	0	0	0.0%	0	0	0.0%	264,227	347,739	-24.0%
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%

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<b>Energy Futures</b>																			
WTI-BRENT CALENDAR SWAP	BK	0	0	0.0%	0	0	0	44,545	77,017	-42.2%	0	0	0.0%	0	0	0.0%	515,144	492,059	4.7%
WTI CALENDAR	CS	0	0	0.0%	0	0	0	47,047	52,855	-11.0%	0	0	0.0%	0	0	0.0%	624,500	521,304	19.8%
WTI MIDLAND CRUDE OIL	WTL	0	0	0.0%	0	0	0	600	0	0.0%	0	0	0.0%	0	0	0.0%	900	2,655	-66.1%
WTS (ARGUS) VS WTI SWAP	FF	0	0	0.0%	0	0	0	150	7,171	-97.9%	0	0	0.0%	0	0	0.0%	27,622	38,356	-28.0%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	7,035	6,075	15.8%
<b>Energy Options</b>																			
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0	0	144	171	-15.8%	0	0	0.0%	0	0	0.0%	3,272	3,061	6.9%
BRENT CRUDE OIL 1 M CSO	9C	0	0	0.0%	0	0	0	30,000	1,600	1,775.0%	0	0	0.0%	0	0	0.0%	131,250	198,050	-33.7%
BRENT OIL LAST DAY	BE	0	0	0.0%	0	0	0	13,600	32,872	-58.6%	0	0	0.0%	0	0	0.0%	109,537	224,342	-51.2%
BRENT OIL LAST DAY	BZO	0	0	0.0%	3,598	3,028	0.19	10,275	19,050	-46.1%	0	0	0.0%	30,577	31,310	-2.3%	147,512	209,380	-29.5%
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	0	5	-100.0%	0	0	0.0%	0	0	0.0%	390	1,390	-71.9%
COAL API2 INDEX	F2Q	0	0	0.0%	0	0	0	0	75	-100.0%	0	0	0.0%	0	0	0.0%	100	1,060	-90.6%
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%	400	0	0	18,500	61,130	-69.7%	0	0	0.0%	32,658	42,180	-22.6%	546,495	1,138,860	-52.0%
CRUDE OIL APO	AO	0	0	0.0%	0	0	0	23,246	25,856	-10.1%	0	0	0.0%	0	0	0.0%	208,954	318,998	-34.5%
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	-	-	4,173	-	-	0	-	-	0	-	-	5,601	-	-	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	27,578	32,490	-15.1%	0	0	0.0%	0	1,400	-100.0%	355,461	118,186	200.8%
CRUDE OIL PHY	LO	0	0	0.0%	1,432,930	2,409,302	-0.41	850,577	530,563	60.3%	0	0	0.0%	18,949,093	19,013,783	-0.3%	5,531,691	5,211,831	6.1%
CRUDE OIL PHY	LO1	0	0	0.0%	30,759	14,208	1.16	6,700	0	0.0%	0	0	0.0%	309,757	184,879	67.5%	8,675	1,025	746.3%
CRUDE OIL PHY	LO2	0	0	0.0%	28,918	33,634	-0.14	0	1,500	-100.0%	0	0	0.0%	240,483	161,641	48.8%	3,025	4,350	-30.5%
CRUDE OIL PHY	LO3	0	0	0.0%	23,796	217	108.66	500	0	0.0%	0	0	0.0%	171,873	121,032	42.0%	950	1,050	-9.5%
CRUDE OIL PHY	LO4	0	0	0.0%	22,382	28,357	-0.21	7,500	1,000	650.0%	0	0	0.0%	323,391	217,140	48.9%	8,330	2,650	214.3%
CRUDE OIL PHY	LO5	0	0	0.0%	0	37,540	-1	0	0	0.0%	0	0	0.0%	73,119	79,307	-7.8%	2,950	0	0.0%
CRUDE OIL PHY	MCO	0	-	-	11,020	-	-	0	-	-	0	-	-	39,081	-	-	0	-	-
CRUDE OIL PHY	MW1	0	-	-	1,332	-	-	0	-	-	0	-	-	5,370	-	-	0	-	-
CRUDE OIL PHY	MW2	0	-	-	1,126	-	-	0	-	-	0	-	-	6,261	-	-	0	-	-
CRUDE OIL PHY	MW3	0	-	-	959	-	-	0	-	-	0	-	-	3,390	-	-	0	-	-
CRUDE OIL PHY	MW4	0	-	-	1,049	-	-	0	-	-	0	-	-	7,472	-	-	0	-	-

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

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<b>Energy Options</b>																			
CRUDE OIL PHY	MW5	0	-	0	-		0	-	-	0	-	-	3,293	-	-	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	1,430	6,281	-77.2%	0	0	0.0%	0	0	0.0%	28,769	30,327	-5.1%	
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	252	-100.0%	0	0	0.0%	0	0	0.0%	382	1,911	-80.0%	
HEATING OIL PHY	OH	0	0.0%	2,129	3,048	-0.3	8,880	6,840	29.8%	0	0	0.0%	22,539	20,412	10.4%	87,097	59,203	47.1%	
HENRY HUB FINANCIAL LAST	E7	0	0.0%	0	0	0	5,139	2,677	92.0%	0	0	0.0%	106	40	165.0%	46,257	82,697	-44.1%	
HENRY HUB FINANCIAL LAST	ECNG	0	-	3,243	-		0	-	-	0	-	-	6,050	-	-	0	-	-	
HO 1 MONTH CLNDR OPTIONS	FA	0	0.0%	0	0	0	1,100	0	0.0%	0	0	0.0%	0	0	0.0%	6,475	200	3,137.5%	
LLS CRUDE OIL	HTO	0	-	0	-		0	-	-	0	-	-	0	-	-	1,200	-	-	
LLS CRUDE OIL	WTO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,500	0	0.0%	
MCCLOSKY ARA ARGS COAL	MTO	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	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	-	-	0	-	-	
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%	550	1,984	-0.72	63,729	136,075	-53.2%	0	0	0.0%	6,250	10,734	-41.8%	891,421	560,074	59.2%	
NATURAL GAS 2 M CSO FIN	G2	0	0.0%	0	0	0	0	2,700	-100.0%	0	0	0.0%	0	0	0.0%	14,100	22,100	-36.2%	
NATURAL GAS 3 M CSO FIN	G3	0	0.0%	0	0	0	1,000	0	0.0%	0	0	0.0%	800	200	300.0%	350,490	247,794	41.4%	
NATURAL GAS 5 M CSO FIN	G5	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	46,250	13,400	245.1%	
NATURAL GAS 6 M CSO FIN	G6	0	0.0%	0	0	0	3,500	7,550	-53.6%	0	0	0.0%	0	0	0.0%	90,900	107,900	-15.8%	
NATURAL GAS OPT	JFO	0	-	0	-		150	-	-	0	-	-	0	-	-	450	-	-	
NATURAL GAS OPT	JKO	0	0.0%	0	0	0	0	2,400	-100.0%	0	0	0.0%	0	0	0.0%	5,600	19,060	-70.6%	
NATURAL GAS OPT	TFO	0	0.0%	0	0	0	0	200	-100.0%	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	0	0.0%	0	0	0.0%	0	0	0.0%	600	61,220	-99.0%	
NATURAL GAS PHY	KD	0	0.0%	0	0	0	300	1,295	-76.8%	0	0	0.0%	0	0	0.0%	14,630	20,450	-28.5%	
NATURAL GAS PHY	LN	0	0.0%	801,257	600,503	0.33	1,017,786	1,163,797	-12.5%	0	0	0.0%	9,142,053	11,724,374	-22.0%	10,829,845	9,389,634	15.3%	
NATURAL GAS PHY	ON	0	0.0%	56,626	71,073	-0.2	3,532	8,089	-56.3%	0	0	0.0%	783,168	822,502	-4.8%	60,640	62,554	-3.1%	
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 OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	CME ClearPort OCT 2022	CME ClearPort OCT 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	
<b>Energy Options</b>																			
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%	226	29	6.79	841	696	20.8%	0	0	0.0%	1,881	655	187.2%	18,064	9,008	100.5%
PETROCHEMICALS	4H	0	0	0.0%	0	13	-1	120	330	-63.6%	0	0	0.0%	12	75	-84.0%	3,302	9,437	-65.0%
PETROCHEMICALS	4J	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	1,315	-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	150	-100.0%	0	0	0.0%	0	0	0.0%	375	1,290	-70.9%
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	-	-	300	-	-	0	-	0	-	-	-	3,350	-	-
RBOB CALENDAR SWAP	RA	0	0	0.0%	0	0	0	12	84	-85.7%	0	0	0.0%	0	0	0.0%	3,585	1,274	181.4%
RBOB PHY	OB	0	0	0.0%	187	1,463	-0.87	980	6,162	-84.1%	0	0	0.0%	9,134	20,847	-56.2%	30,250	54,824	-44.8%
RBOB PHY	RF	0	0	0.0%	0	0	0	80	0	0.0%	0	0	0.0%	0	0	0.0%	1,510	480	214.6%
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%	300	50	500.0%
SHORT TERM	U12	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	550	100	450.0%
SHORT TERM	U13	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	200	-50.0%
SHORT TERM	U14	0	0	0.0%	0	0	0	0	300	-100.0%	0	0	0.0%	0	0	0.0%	500	300	66.7%
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	0	0.0%	0	0	0.0%	0	0	0.0%	350	0	0.0%
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	100	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	225	11.1%
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	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-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	350	171.4%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	500	200	150.0%
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%

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

Commodity Indicator	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	CME ClearPort OCT 2022	CME ClearPort OCT 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
<b>Energy Options</b>																		
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	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	300	-100.0%
SHORT TERM NATURAL GAS U10	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	200	100	100.0%
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	50	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	0	0	0.0%	0	0	0.0%	0	0	0.0%	950	300	216.7%
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	250	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%	0	50	-100.0%
SHORT TERM NATURAL GAS U30	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	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%	1,875	2,900	-0.35	26,925	24,600	9.5%	0	0	0.0%	10,020	10,000	0.2%	353,575	271,500	30.2%
WTI CRUDE OIL 1 M CSO FI 7A	0	0	0.0%	300	355	-0.15	47,900	60,750	-21.2%	0	0	0.0%	571	1,390	-58.9%	555,429	705,310	-21.3%

## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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<b>Metals Futures</b>																			
COMEX GOLD	GC	0	0	0.0%	3,927,652	4,065,110	-0.03	71,215	53,904	32.1%	0	0	0.0%	44,523,427	48,292,347	-7.8%	1,064,249	968,449	9.9%
NYMEX HOT ROLLED STEEL	HR	0	0	0.0%	6,331	4,566	0.39	15,849	18,645	-15.0%	0	0	0.0%	51,249	42,286	21.2%	171,211	166,994	2.5%
NYMEX PLATINUM	PL	0	0	0.0%	404,976	292,422	0.38	11,006	7,099	55.0%	0	0	0.0%	4,100,292	3,550,304	15.5%	101,304	90,738	11.6%
PALLADIUM	PA	0	0	0.0%	38,634	41,136	-0.06	1,487	1,836	-19.0%	0	0	0.0%	434,468	457,920	-5.1%	15,819	24,489	-35.4%
URANIUM	UX	0	0	0.0%	0	53	-1	0	0	0.0%	0	0	0.0%	24	543	-95.6%	0	640	-100.0%
COMEX SILVER	SI	0	0	0.0%	1,322,197	1,163,448	0.14	24,518	20,898	17.3%	0	0	0.0%	13,865,778	16,488,835	-15.9%	238,151	291,734	-18.4%
COMEX E-Mini GOLD	QO	0	0	0.0%	45,577	18,826	1.42	0	0	0.0%	0	0	0.0%	320,033	226,549	41.3%	0	0	0.0%
COMEX E-Mini SILVER	QI	0	0	0.0%	4,378	3,776	0.16	0	0	0.0%	0	0	0.0%	38,364	59,142	-35.1%	0	0	0.0%
COMEX COPPER	HG	0	0	0.0%	1,808,044	1,764,794	0.02	13,174	21,309	-38.2%	0	0	0.0%	17,581,755	21,245,143	-17.2%	172,716	199,251	-13.3%
COMEX MINY COPPER	QC	0	0	0.0%	2,817	8,878	-0.68	0	0	0.0%	0	0	0.0%	34,953	46,973	-25.6%	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%	0	0	0	1,346	1,714	-21.5%	0	0	0.0%	15	32	-53.1%	17,467	26,893	-35.1%
ALUMINUM	ALA	0	0	0.0%	0	0	0	0	90	-100.0%	0	0	0.0%	0	0	0.0%	1,925	3,645	-47.2%
ALUMINUM	ALI	0	0	0.0%	52,643	14,904	2.53	0	0	0.0%	0	0	0.0%	321,136	116,061	176.7%	59	20	195.0%
ALUMINUM	AUP	0	0	0.0%	206	302	-0.32	9,277	8,804	5.4%	0	0	0.0%	2,887	5,319	-45.7%	68,332	58,188	17.4%
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	9,623	4,592	109.6%	0	0	0.0%	59	75	-21.3%	52,023	33,269	56.4%
ALUMINUM	MJP	0	0	0.0%	0	0	0	240	1,080	-77.8%	0	0	0.0%	0	0	0.0%	3,100	3,170	-2.2%
COBALT METAL FUTURES	COB	0	0	0.0%	1	0	0	2,708	180	1,404.4%	0	0	0.0%	15	12	25.0%	10,988	2,937	274.1%
COPPER	HGS	0	0	0.0%	0	0	0	1,785	213	738.0%	0	0	0.0%	0	0	0.0%	16,298	22,701	-28.2%
COPPER	MHG	0	-	-	71,359	-	0	0	-	-	0	-	417,140	-	-	0	-	-	
FERROUS PRODUCTS	BUS	0	0	0.0%	281	361	-0.22	2,448	909	169.3%	0	0	0.0%	3,949	7,106	-44.4%	22,110	7,719	186.4%
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%	296	1,516	-0.8	0	0	0.0%	0	0	0.0%	7,643	16,897	-54.8%	0	0	0.0%
GOLD	SGU	0	0	0.0%	502	11,390	-0.96	0	0	0.0%	0	0	0.0%	52,347	58,043	-9.8%	542	0	0.0%
HOT ROLLED COIL STEEL FUTL	EHR	0	0	0.0%	1,624	230	6.06	4,403	555	693.3%	0	0	0.0%	7,922	1,653	379.2%	27,743	9,300	198.3%
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	880	608	44.7%	0	0	0.0%	0	16	-100.0%	13,413	9,370	43.1%
METALS	HDG	0	0	0.0%	35	0	0	0	0	0.0%	0	0	0.0%	106	0	0.0%	546	143	281.8%
METALS	LTH	0	0	0.0%	0	0	0	34	0	0.0%	0	0	0.0%	0	0	0.0%	58	10	480.0%
METALS	PAC	0	-	-	0	-	0	0	-	0	-	-	0	-	-	1,300	-	-	
MICRO GOLD	MGC	0	0	0.0%	941,893	1,054,682	-0.11	0	0	0.0%	0	0	0.0%	10,680,912	11,922,754	-10.4%	0	0	0.0%
SILVER	SIL	0	0	0.0%	173,016	103,555	0.67	0	0	0.0%	0	0	0.0%	1,620,641	1,969,908	-17.7%	0	0	0.0%

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<b>Metals Options</b>																			
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	-	-	237	-	300	-	-	0	-	-	455	-	-	300	-	-	
COMEX COPPER	HX	0	0	0.0%	58,949	46,091	0.28	22,998	18,781	22.5%	0	0	0.0%	596,643	418,501	42.6%	243,655	249,438	-2.3%
COMEX GOLD	ECGC	0	-	-	2,350	-	0	-	-	0	-	-	4,660	-	-	0	-	-	
COMEX GOLD	OG	0	0	0.0%	650,103	572,154	0.14	175,460	166,350	5.5%	0	0	0.0%	7,256,816	5,768,034	25.8%	1,207,701	1,236,573	-2.3%
COMEX SILVER	ECSI	0	-	-	3,089	-	0	-	-	0	-	-	5,463	-	-	0	-	-	
COMEX SILVER	SO	0	0	0.0%	130,458	91,135	0.43	13,264	6,104	117.3%	0	0	0.0%	1,025,504	1,366,689	-25.0%	104,597	193,363	-45.9%
COPPER	ECHG	0	-	-	1,856	-	0	-	-	0	-	-	3,424	-	-	0	-	-	
COPPER	H1E	0	0	0.0%	361	1	360	165	0	0.0%	0	0	0.0%	1,892	47	3,925.5%	165	0	0.0%
COPPER	H1M	0	-	-	78	-	0	-	-	0	-	-	1,020	-	-	0	-	-	
COPPER	H1W	0	-	-	101	-	0	-	-	0	-	-	1,241	-	-	0	-	-	
COPPER	H2E	0	0	0.0%	405	0	0	0	0.0%	0	0	0.0%	2,422	43	5,532.6%	0	0	0.0%	
COPPER	H2M	0	-	-	61	-	0	-	-	0	-	-	723	-	-	0	-	-	
COPPER	H2W	0	-	-	168	-	0	-	-	0	-	-	499	-	-	0	-	-	
COPPER	H3E	0	0	0.0%	269	9	28.89	0	0	0.0%	0	0	0.0%	1,323	33	3,909.1%	800	0	0.0%
COPPER	H3M	0	-	-	80	-	0	-	-	0	-	-	751	-	-	0	-	-	
COPPER	H3W	0	-	-	122	-	0	-	-	0	-	-	371	-	-	0	-	-	
COPPER	H4E	0	0	0.0%	306	2	152	165	0	0.0%	0	0	0.0%	2,330	69	3,276.8%	165	80	106.3%
COPPER	H4M	0	-	-	90	-	0	-	-	0	-	-	403	-	-	0	-	-	
COPPER	H4W	0	-	-	24	-	0	-	-	0	-	-	599	-	-	0	-	-	
COPPER	H5E	0	0	0.0%	0	5	-1	0	0	0.0%	0	0	0.0%	410	7	5,757.1%	300	0	0.0%
COPPER	H5M	0	-	-	141	-	0	-	-	0	-	-	360	-	-	0	-	-	
COPPER	H5W	0	-	-	0	-	0	-	-	0	-	-	713	-	-	0	-	-	
GOLD	G1M	0	-	-	5,929	-	0	-	-	0	-	-	25,001	-	-	512	-	-	
GOLD	G1W	0	-	-	13,506	-	400	-	-	0	-	-	45,248	-	-	900	-	-	
GOLD	G2M	0	-	-	3,995	-	0	-	-	0	-	-	31,282	-	-	2,550	-	-	
GOLD	G2W	0	-	-	8,988	-	0	-	-	0	-	-	34,675	-	-	850	-	-	
GOLD	G3M	0	-	-	5,704	-	0	-	-	0	-	-	23,988	-	-	300	-	-	
GOLD	G3W	0	-	-	4,634	-	500	-	-	0	-	-	38,157	-	-	1,565	-	-	
GOLD	G4M	0	-	-	3,944	-	0	-	-	0	-	-	18,526	-	-	0	-	-	
GOLD	G4W	0	-	-	518	-	0	-	-	0	-	-	22,570	-	-	100	-	-	
GOLD	G5M	0	-	-	3,819	-	0	-	-	0	-	-	8,464	-	-	0	-	-	
GOLD	G5W	0	-	-	0	-	0	-	-	0	-	-	13,056	-	-	950	-	-	
GOLD	OG1	0	0	0.0%	42,415	18,642	1.28	1,150	2,180	-47.2%	0	0	0.0%	437,020	395,596	10.5%	17,840	25,092	-28.9%

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

Commodity Indicator	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	CME ClearPort OCT 2022	CME ClearPort OCT 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	
<b>Metals Options</b>																			
GOLD	OG2	0	0	0.0%	33,415	30,224	0.11	1,200	500	140.0%	0	0	0.0%	431,596	396,261	8.9%	16,348	18,774	-12.9%
GOLD	OG3	0	0	0.0%	39,655	34,486	0.15	2,500	990	152.5%	0	0	0.0%	452,103	395,713	14.3%	17,311	20,208	-14.3%
GOLD	OG4	0	0	0.0%	25,927	31,882	-0.19	1,000	1,350	-25.9%	0	0	0.0%	380,680	266,476	42.9%	8,140	5,947	36.9%
GOLD	OG5	0	0	0.0%	0	33,389	-1	0	475	-100.0%	0	0	0.0%	116,145	119,261	-2.6%	1,460	4,341	-66.4%
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	150	-100.0%	0	0	0.0%	0	0	0.0%	300	6,198	-95.2%
NYMEX HOT ROLLED STEEL	HRO	0	0	0.0%	0	0	0	2,640	365	623.3%	0	0	0.0%	0	0	0.0%	16,040	2,970	440.1%
NYMEX PLATINUM	PO	0	0	0.0%	312	449	-0.31	2,525	2,935	-14.0%	0	0	0.0%	4,842	4,859	-0.3%	43,660	25,556	70.8%
PALLADIUM	PAO	0	0	0.0%	8	12	-0.33	0	160	-100.0%	0	0	0.0%	135	692	-80.5%	0	5,870	-100.0%
SILVER	M1S	0	-	-	277	-	0	-	-	0	-	-	1,207	-	-	0	-	-	
SILVER	M2S	0	-	-	653	-	600	-	-	0	-	-	2,855	-	-	600	-	-	
SILVER	M3S	0	-	-	591	-	0	-	-	0	-	-	1,780	-	-	0	-	-	
SILVER	M4S	0	-	-	986	-	0	-	-	0	-	-	1,987	-	-	0	-	-	
SILVER	M5S	0	-	-	342	-	0	-	-	0	-	-	544	-	-	0	-	-	
SILVER	SO1	0	0	0.0%	6,205	2,152	1.88	400	100	300.0%	0	0	0.0%	44,503	27,804	60.1%	2,326	3,311	-29.7%
SILVER	SO2	0	0	0.0%	5,731	2,562	1.24	820	235	248.9%	0	0	0.0%	46,627	30,656	52.1%	3,575	2,808	27.3%
SILVER	SO3	0	0	0.0%	8,434	3,937	1.14	100	150	-33.3%	0	0	0.0%	41,431	25,591	61.9%	1,185	3,428	-65.4%
SILVER	SO4	0	0	0.0%	4,055	3,409	0.19	150	0	0.0%	0	0	0.0%	33,803	18,665	81.1%	740	847	-12.6%
SILVER	SO5	0	0	0.0%	0	2,889	-1	0	100	-100.0%	0	0	0.0%	8,829	7,935	11.3%	400	895	-55.3%
SILVER	W1S	0	-	-	1,015	-	0	-	-	0	-	-	3,184	-	-	0	-	-	
SILVER	W2S	0	-	-	517	-	0	-	-	0	-	-	2,476	-	-	0	-	-	
SILVER	W3S	0	-	-	573	-	0	-	-	0	-	-	1,836	-	-	200	-	-	
SILVER	W4S	0	-	-	2	-	0	-	-	0	-	-	660	-	-	0	-	-	
SILVER	W5S	0	-	-	0	-	0	-	-	0	-	-	756	-	-	0	-	-	
<b>TOTAL FUTURES GROUP</b>																			
Ag Products Futures		0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2	-100.0%	0	0	0.0%
Energy Futures		0	0	0.0%	31,143,059	45,040,079	-30.9%	1,844,370	2,500,614	-26.2%	0	0	0.0%	360,756,518	387,317,052	-6.9%	19,320,772	20,922,971	-7.7%
Metals Futures		0	0	0.0%	8,802,462	8,549,949	3.0%	169,993	142,436	19.3%	0	0	0.0%	94,065,115	104,508,034	-10.0%	1,999,354	1,919,834	4.1%
<b>TOTAL FUTURES</b>		<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>39,945,521</b>	<b>53,590,028</b>	<b>-25.5%</b>	<b>2,014,363</b>	<b>2,643,050</b>	<b>-23.8%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>454,821,633</b>	<b>491,825,088</b>	<b>-7.5%</b>	<b>21,320,126</b>	<b>22,842,805</b>	<b>-6.7%</b>

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## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

Commodity Indicator	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	CME ClearPort OCT 2022	CME ClearPort OCT 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
<b>TOTAL OPTIONS GROUP</b>																		
Energy Options	0	0	0.0%	2,428,835	3,207,654	-24.3%	2,172,724	2,137,540	1.6%	0	0	0.0%	30,188,746	32,463,901	-7.0%	20,518,093	19,331,840	6.1%
Metals Options	0	0	0.0%	1,071,398	873,430	22.7%	226,337	200,925	12.6%	0	0	0.0%	11,183,988	9,242,932	21.0%	1,695,535	1,807,949	-6.2%
<b>TOTAL OPTIONS</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>3,500,233</b>	<b>4,081,084</b>	<b>-14.2%</b>	<b>2,399,061</b>	<b>2,338,465</b>	<b>2.6%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>41,372,734</b>	<b>41,706,833</b>	<b>-0.8%</b>	<b>22,213,628</b>	<b>21,139,789</b>	<b>5.1%</b>
<b>TOTAL COMBINED</b>																		
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%	33,571,894	48,247,733	-30.4%	4,017,094	4,638,154	-13.4%	0	0	0.0%	390,945,264	419,780,953	-6.9%	39,838,865	40,254,811	-1.0%
Metals	0	0	0.0%	9,873,860	9,423,379	4.8%	396,330	343,361	15.4%	0	0	0.0%	105,249,103	113,750,966	-7.5%	3,694,889	3,727,783	-0.9%
<b>GRAND TOTAL</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>43,445,754</b>	<b>57,671,112</b>	<b>-24.7%</b>	<b>4,413,424</b>	<b>4,981,515</b>	<b>-11.4%</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>496,194,367</b>	<b>533,531,921</b>	<b>-7.0%</b>	<b>43,533,754</b>	<b>43,982,594</b>	<b>-1.0%</b>