

## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2022	VOLUME JUL 2021	% CHG	VOLUME JUN 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Ag Products Futures</b>									
COFFEE	KT	0	0	0.0%	0	0.0%	0	2	-100.0%
COTTON	TT	0	0	0.0%	0	-	0	0	0.0%
SUGAR 11	YO	0	0	0.0%	0	-	0	0	0.0%
<b>Energy Futures</b>									
CRUDE OIL PHY	CL	16,111,251	20,471,032	-21.3%	16,163,817	-0.3%	127,563,927	145,698,826	-12.4%
CRUDE OIL	WS	0	0	0.0%	0	0.0%	0	3,232	-100.0%
MINY WTI CRUDE OIL	QM	654,834	482,048	35.8%	512,768	27.7%	4,402,719	2,898,716	51.9%
BRENT OIL LAST DAY	BZ	1,321,274	1,945,465	-32.1%	1,206,632	9.5%	10,675,929	14,345,624	-25.6%
HEATING OIL PHY	HO	2,896,173	2,668,794	8.5%	3,137,950	-7.7%	23,702,351	21,079,810	12.4%
HTG OIL	BH	36	0	0.0%	0	0.0%	72	112	-35.7%
MINY HTG OIL	QH	11	6	83.3%	8	37.5%	57	44	29.5%
RBOB PHY	RB	2,964,368	3,567,375	-16.9%	3,722,599	-20.4%	26,237,243	27,590,249	-4.9%
MINY RBOB GAS	QU	7	8	-12.5%	7	0.0%	60	63	-4.8%
NATURAL GAS	HP	136,969	185,033	-26.0%	211,193	-35.1%	1,296,738	904,212	43.4%
LTD NAT GAS	HH	291,934	341,497	-14.5%	410,790	-28.9%	2,520,308	2,097,985	20.1%
MINY NATURAL GAS	QG	314,192	118,892	164.3%	391,617	-19.8%	2,242,911	761,503	194.5%
PJM MONTHLY	JM	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS PHY	NG	5,826,935	7,187,675	-18.9%	8,047,189	-27.6%	53,221,312	54,665,557	-2.6%
RBOB GAS	RT	24	0	0.0%	0	0.0%	48	60	-20.0%
3.5% FUEL OIL CID MED SWA	7D	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%
ARGUS LLS VS. WTI (ARG) T	E5	8,180	5,622	45.5%	8,740	-6.4%	39,085	63,182	-38.1%
ARGUS PROPAN FAR EST INDE	7E	4,635	4,887	-5.2%	6,731	-31.1%	39,301	39,202	0.3%
ARGUS PROPAN(SAUDI ARAMCO	9N	1,306	1,179	10.8%	1,588	-17.8%	14,102	12,533	12.5%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	-	0	0	0.0%
BRENT BALMO SWAP	J9	0	139	-100.0%	100	-100.0%	1,587	889	78.5%
BRENT CALENDAR SWAP	CY	10,029	8,821	13.7%	14,953	-32.9%	102,375	57,063	79.4%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0.0%	0	4,000	-100.0%
BRENT FINANCIAL FUTURES	MBC	240	0	0.0%	0	0.0%	240	0	0.0%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0.0%	0	68	-100.0%
BRENT OIL LAST DAY	BZL	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%



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<b>Energy Futures</b>									
CAR VINTAGE	GEO	6,167	319	1,833.2%	1,481	316.4%	19,036	730	2,507.7%
CAR VINTAGE	NGO	15,297	0	-	20,500	-25.4%	86,983	0	-
CHICAGO ETHANOL SWAP	CU	55,492	60,810	-8.7%	61,122	-9.2%	406,523	520,424	-21.9%
CHICAGO ULSD PL VS HO SPR	5C	425	465	-8.6%	0	0.0%	4,113	3,442	19.5%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	0	0.0%	0	425	-100.0%
CIG BASIS	CI	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%
CIN HUB 5MW REAL TIME O P	H4	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%
COLUMB GULF MAINLINE NG B	5Z	0	0	0.0%	0	-	0	0	0.0%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	0	1,540	-100.0%	130	-100.0%	1,721	2,402	-28.4%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	550	380	44.7%	565	-2.7%	2,542	1,623	56.6%
CONWAY PROPANE 5 DECIMALS SWAP	8K	13,825	12,161	13.7%	18,489	-25.2%	108,320	92,981	16.5%
CRUDE OIL	LPS	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL LAST DAY	26	572	17	3,264.7%	520	10.0%	2,946	2,212	33.2%
CRUDE OIL OUTRIGHTS	42	708	84	742.9%	78	807.7%	6,846	1,760	289.0%
CRUDE OIL OUTRIGHTS	CC5	0	855	-100.0%	0	0.0%	1,566	9,081	-82.8%
CRUDE OIL OUTRIGHTS	CSW	0	1,285	-100.0%	180	-100.0%	1,260	13,089	-90.4%
CRUDE OIL OUTRIGHTS	DAB	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	105	0	0.0%	0	0.0%	105	2,404	-95.6%
CRUDE OIL OUTRIGHTS	HTT	51,034	39,979	27.7%	85,913	-40.6%	485,266	402,587	20.5%
CRUDE OIL OUTRIGHTS	LSW	0	310	-100.0%	180	-100.0%	3,830	7,213	-46.9%
CRUDE OIL OUTRIGHTS	WCW	0	135	-100.0%	555	-100.0%	16,530	26,722	-38.1%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	0	11	-100.0%	0	0.0%	0	20,132	-100.0%
CRUDE OIL PHY	MCL	2,585,141	645,356	300.6%	2,409,153	7.3%	18,232,736	645,356	2,725.2%
CRUDE OIL SPRDS	38	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL SPRDS	ANT	860	330	160.6%	3,236	-73.4%	5,981	1,777	236.6%
CRUDE OIL SPRDS	HIL	0	0	0.0%	0	0.0%	3,255	4,800	-32.2%
CRUDE OIL SPRDS	WTT	41,039	14,895	175.5%	61,250	-33.0%	354,728	181,008	96.0%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	AOR	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	IDO	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%

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<b>Energy Futures</b>									
DAILY PJM	PAP	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%
DAILY PJM	PNO	0	0	0.0%	0	-	0	0	0.0%
DAILY PJM	PNP	0	0	0.0%	0	-	0	0	0.0%
DAILY PJM	PWO	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%
DAILY PJM	WOR	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%
DAILY PJM	ZGO	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%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	0.0%	0	-	0	0	0.0%
DATED TO FRONTLINE BRENT	FY	0	0	0.0%	0	0.0%	2,220	1,215	82.7%
DIESEL 10P BRG FOB RDM VS	7X	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%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	-	0	0	0.0%
DUBAI CRUDE OIL CALENDAR	DC	0	0	0.0%	0	0.0%	2,000	0	0.0%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	21	32,206	-99.9%	182	-88.5%	14,394	368,633	-96.1%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0.0%	0	0	0.0%
EIA FLAT TAX ONHWAY DIESE	A5	0	693	-100.0%	360	-100.0%	816	3,770	-78.4%
ELEC FINSETTLED	47	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%
ELECTRICITY OFF PEAK	4P	0	0	0.0%	0	-	0	0	0.0%
EMMISSIONS	CGO	3,695	0	-	3,779	-2.2%	9,527	0	-
ETHANOL	MTH	0	0	0.0%	0	0.0%	10	10	0.0%
ETHANOL SWAP	MT2	135	180	-25.0%	130	3.8%	1,435	983	46.0%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	1,248	2,115	-41.0%	1,599	-22.0%	19,123	23,756	-19.5%
EURO 3.5% FUEL OIL RDAM B	KR	0	6	-100.0%	0	0.0%	0	6	-100.0%
EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	-	0	0	0.0%
EURO GASOIL 10PPM VS ICE	ET	0	10	-100.0%	24	-100.0%	1,169	953	22.7%
EUROPE 1% FUEL OIL NWE CA	UF	0	0	0.0%	0	0.0%	0	12	-100.0%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	-	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	UI	0	0	0.0%	0	0.0%	0	13	-100.0%
EUROPE 3.5% FUEL OIL RDAM	UV	0	7	-100.0%	0	0.0%	546	236	131.4%
EUROPEAN GASOIL (ICE)	7F	1,738	74	2,248.6%	1,398	24.3%	12,599	4,460	182.5%
EUROPEAN NAPHTHA BALMO	KZ	7	4	75.0%	5	40.0%	152	20	660.0%



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<b>Energy Futures</b>									
EUROPEAN NAPHTHA CRACK SPR	EN	843	2,055	-59.0%	2,045	-58.8%	17,548	5,940	195.4%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0.0%	0	710	-100.0%
EUROPE JET KERO NWE CALSW	UJ	0	0	0.0%	0	0.0%	0	10	-100.0%
EUROPE NAPHTHA CALSWAP	UN	307	855	-64.1%	432	-28.9%	4,731	3,828	23.6%
EURO PROPANE CIF ARA SWA	PS	920	1,077	-14.6%	1,357	-32.2%	11,345	9,547	18.8%
FREIGHT MARKETS	ACB	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	BF1	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	BF2	0	0	0.0%	0	0.0%	0	119	-100.0%
FREIGHT MARKETS	BF3	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	BL2	45	15	200.0%	300	-85.0%	345	55	527.3%
FREIGHT MARKETS	CS3	0	0	-	10	-100.0%	10	0	-
FREIGHT MARKETS	CS4	0	0	-	0	0.0%	360	0	-
FREIGHT MARKETS	FLJ	0	3	-100.0%	0	0.0%	0	47	-100.0%
FREIGHT MARKETS	FLP	30	6	400.0%	14	114.3%	222	569	-61.0%
FREIGHT MARKETS	FRC	0	0	0.0%	0	0.0%	0	70	-100.0%
FREIGHT MARKETS	T2D	0	0	0.0%	0	0.0%	708	275	157.5%
FREIGHT MARKETS	T7C	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	T8C	0	0	0.0%	0	0.0%	0	10	-100.0%
FREIGHT MARKETS	TC6	0	0	-	0	0.0%	0	0	-
FREIGHT MARKETS	TD3	0	0	-	0	0.0%	0	0	-
FREIGHT MARKETS	USC	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	USE	0	0	0.0%	0	0.0%	0	90	-100.0%
FUEL OIL CRACK VS ICE	FO	36	300	-88.0%	0	0.0%	1,192	1,588	-24.9%
FUEL OIL NWE CRACK VS ICE	FI	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%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0.0%	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BARGES	7H	173	344	-49.7%	169	2.4%	1,583	4,127	-61.6%
GAS EURO-BOB OXY NWE BARGES CRK	7K	705	3,983	-82.3%	1,770	-60.2%	20,297	31,089	-34.7%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0.0%	45	60	-25.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	12	-100.0%	0	0.0%	10	42	-76.2%
GASOIL 0.1 ROTTERDAM BARG	VL	5	0	0.0%	10	-50.0%	65	75	-13.3%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	-	0	0	0.0%
GASOIL CALENDAR SWAP	GX	6	3	100.0%	9	-33.3%	941	806	16.7%
GASOIL CRACK SPREAD CALEN	GZ	87	1,620	-94.6%	243	-64.2%	10,842	7,686	41.1%
GASOIL MINI CALENDAR SWAP	QA	158	161	-1.9%	340	-53.5%	2,511	2,524	-0.5%

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<b>Energy Futures</b>									
GERMAN POWER BASELOAD CAL MONTH FU	DEB	0	0	0.0%	0	0.0%	0	48	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	0.0%	0	-	0	0	0.0%
GRP THREE ULSD(PLT)VS HEA	A6	3,155	3,540	-10.9%	1,825	72.9%	35,585	31,420	13.3%
GRP THREE UNL GS (PLT) VS	A8	1,707	2,725	-37.4%	2,485	-31.3%	25,622	18,390	39.3%
GULF COAST 3% FUEL OIL BA	VZ	107	107	0.0%	0	0.0%	847	107	691.6%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0.0%	0	0	0.0%
GULF COAST JET VS NYM 2 H	ME	4,085	18,950	-78.4%	6,801	-39.9%	77,509	149,459	-48.1%
GULF COAST NO.6 FUEL OIL	MF	1,621	808	100.6%	3,500	-53.7%	22,606	15,431	46.5%
GULF COAST NO.6 FUEL OIL	MG	7,765	2,260	243.6%	5,580	39.2%	47,305	4,803	884.9%
GULF COAST ULSD CALENDAR	LY	0	713	-100.0%	360	-100.0%	728	3,653	-80.1%
GULF COAST ULSD CRACK SPR	GY	0	0	0.0%	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	1G	265	153	73.2%	100	165.0%	3,170	1,993	59.1%
HEATING OIL CRCK SPRD BAL	1H	127	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%
HEATING OIL PHY	MHO	3	0	-	3	0.0%	6	0	-
HENRY HUB BASIS SWAP	HB	0	0	0.0%	0	-	0	0	0.0%
HENRY HUB FINANCIAL LAST	NBP	0	0	0.0%	0	-	0	0	0.0%
HENRY HUB INDEX SWAP FUTU	IN	0	0	0.0%	0	-	0	0	0.0%
HENRY HUB SWAP	NN	15,141	24,509	-38.2%	31,837	-52.4%	188,833	233,616	-19.2%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	DB	0	317	-100.0%	60	-100.0%	2,193	4,475	-51.0%
ICE GASOIL BALMO SWAP	U9	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%
INDIANA MISO	PDD	0	0	0.0%	0	-	0	0	0.0%
INDIANA MISO	PTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDONESIAN COAL ICI4	ICI	0	10	-100.0%	0	0.0%	0	1,114	-100.0%
JAPAN C&F NAPHTHA CRACK S	JB	214	0	0.0%	18	1,088.9%	312	0	0.0%
JAPAN C&F NAPHTHA SWAP	JA	121	50	142.0%	135	-10.4%	935	455	105.5%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0.0%	0	0.0%	6	0	0.0%
JET CIF NWE VS ICE	JC	120	104	15.4%	111	8.1%	1,447	903	60.2%
JET FUEL UP-DOWN BALMO CL	1M	705	1,515	-53.5%	663	6.3%	14,666	7,887	86.0%
JKM LNG Futures	JKM	48	1,361	-96.5%	0	0.0%	2,155	4,366	-50.6%
LA CARB DIESEL (OPIS) SWA	KL	0	300	-100.0%	28	-100.0%	2,191	1,635	34.0%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0.0%	0	0.0%	0	225	-100.0%
LA JET (OPIS) SWAP	JS	125	625	-80.0%	75	66.7%	3,275	2,465	32.9%

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LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	0.0%	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	WJ	0	400	-100.0%	0	0.0%	93	1,850	-95.0%
LOS ANGELES CARB GASOLINE	MH	0	0	0.0%	0	-	0	0	0.0%
MARS (ARGUS) VS WTI SWAP	YX	75	0	0.0%	75	0.0%	1,610	1,300	23.8%
MARS (ARGUS) VS WTI TRD M	YV	10,673	13,865	-23.0%	19,068	-44.0%	106,946	133,483	-19.9%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	-	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	MTF	4,073	8,769	-53.6%	7,061	-42.3%	47,086	87,049	-45.9%
MCCLOSKEY RCH BAY COAL	MFF	166	665	-75.0%	574	-71.1%	2,990	6,247	-52.1%
MGN1 SWAP FUT	MGN	0	0	0.0%	0	0.0%	0	0	0.0%
MICHIGAN BASIS	NF	0	0	0.0%	0	-	0	0	0.0%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	10	13	-23.1%	15	-33.3%	233	98	137.8%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	100	-100.0%	50	-100.0%	50	391	-87.2%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	348	400	-13.0%	216	61.1%	2,734	4,224	-35.3%
MJC FUT	MJC	0	30	-100.0%	0	0.0%	0	50	-100.0%
MNC FUT	MNC	1,279	1,290	-0.9%	1,845	-30.7%	11,617	4,704	147.0%
MONT BELVIEU ETHANE 5 DECIMAL	C0	34,186	28,835	18.6%	46,532	-26.5%	249,726	175,068	42.6%
MONT BELVIEU ETHANE OPIS BALMO	8C	415	640	-35.2%	1,100	-62.3%	6,193	2,917	112.3%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	121,218	178,749	-32.2%	163,084	-25.7%	1,168,135	1,217,907	-4.1%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	2,366	2,691	-12.1%	1,430	65.5%	21,974	21,320	3.1%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	25,125	19,483	29.0%	25,236	-0.4%	163,173	101,636	60.5%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	2,119	265	699.6%	1,529	38.6%	9,685	3,521	175.1%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	50,433	54,435	-7.4%	58,622	-14.0%	366,257	336,149	9.0%
MONT BELVIEU NORMAL BUTANE BALMO	8J	769	247	211.3%	1,570	-51.0%	10,749	8,501	26.4%
NATURAL GAS PEN SWP	NP	34,796	67,752	-48.6%	69,327	-49.8%	353,442	372,377	-5.1%
NEPOOL INTR HUB 5MW D AH	H2	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%
NEPOOL NE MASS 5MW D AH O	P8	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%
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	825	0	0.0%	970	-14.9%	6,112	795	668.8%
NEW YORK HUB ZONE G PEAK	GN	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%
NGPL MID-CONTINENT	NL	0	0	0.0%	0	-	0	0	0.0%
NGPL TEX/OK	PD	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%



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<b>Energy Futures</b>									
NO 2 UP-DOWN SPREAD CALEN	UT	0	0	0.0%	0	-	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	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%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	MP	1,311	263	398.5%	1,471	-10.9%	8,032	5,798	38.5%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	0.0%	0	0.0%	0	1,570	-100.0%
NY HARBOR RESIDUAL FUEL 1	MM	25	175	-85.7%	75	-66.7%	1,075	1,274	-15.6%
NYH NO 2 CRACK SPREAD CAL	HK	675	545	23.9%	1,566	-56.9%	14,645	11,849	23.6%
NYISO CAPACITY	LHV	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO CAPACITY	NRS	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%
NYISO ZONE G 5MW D AH O P	D2	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%
NYISO ZONE J 5MW D AH O P	D4	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%
NYMEX ALUMINUM FUTURES	AN	0	0	0.0%	0	-	0	0	0.0%
NYMEX ULSD VS NYMEX HO	UY	0	0	0.0%	0	-	0	0	0.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	1,499	0	0.0%	125	1,099.2%	3,580	50	7,060.0%
PANHANDLE BASIS SWAP FUTU	PH	0	0	0.0%	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	22	66	171	-61.4%	155	-57.4%	941	1,034	-9.0%
PETROCHEMICALS	32	31	24	29.2%	35	-11.4%	280	399	-29.8%
PETROCHEMICALS	3NA	0	31	-100.0%	81	-100.0%	178	120	48.3%
PETROCHEMICALS	51	2	0	0.0%	13	-84.6%	15	0	0.0%
PETROCHEMICALS	81	60	60	0.0%	0	0.0%	424	147	188.4%
PETROCHEMICALS	8I	333	262	27.1%	695	-52.1%	6,327	8,186	-22.7%
PETROCHEMICALS	91	55	203	-72.9%	193	-71.5%	2,154	2,218	-2.9%
PETROCHEMICALS	MAA	0	0	0.0%	5	-100.0%	420	175	140.0%
PETROCHEMICALS	MAE	640	1,100	-41.8%	1,020	-37.3%	7,480	4,661	60.5%
PETROCHEMICALS	MAS	335	615	-45.5%	415	-19.3%	2,750	1,793	53.4%
PETROCHEMICALS	MBE	0	120	-100.0%	300	-100.0%	610	420	45.2%
PETROCHEMICALS	MNB	0	1,115	-100.0%	0	0.0%	15	1,892	-99.2%
PETROCHEMICALS	MPS	319	380	-16.1%	249	28.1%	1,583	2,523	-37.3%
PETROCHEMICALS	PMF	0	0	0.0%	0	0.0%	12	4	200.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0.0%	0	0	0.0%

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<b>Energy Futures</b>									
PETRO CRCKS & SPRDS ASIA	STS	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	CRB	19,565	18,240	7.3%	15,703	24.6%	122,476	146,708	-16.5%
PETRO CRCKS & SPRDS NA	EXR	142	440	-67.7%	228	-37.7%	2,382	4,682	-49.1%
PETRO CRCKS & SPRDS NA	FOC	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	GBB	100	200	-50.0%	325	-69.2%	625	300	108.3%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	GCI	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%
PETRO CRCKS & SPRDS NA	GCU	0	0	0.0%	0	0.0%	275	630	-56.3%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	0.0%	1,350	0	-
PETRO CRCKS & SPRDS NA	HOB	0	0	0.0%	0	0.0%	577	750	-23.1%
PETRO CRCKS & SPRDS NA	MFR	0	114	-100.0%	0	0.0%	0	145	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	50	1,780	-97.2%	67	-25.4%	5,603	11,192	-49.9%
PETRO CRCKS & SPRDS NA	RVG	1,069	1,029	3.9%	1,729	-38.2%	16,896	11,170	51.3%
PETRO CRCKS & SPRDS NA	SF3	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	1NB	0	20	-100.0%	150	-100.0%	1,785	373	378.6%
PETRO CRK&SPRD EURO	43	0	7	-100.0%	0	0.0%	121	16	656.3%
PETRO CRK&SPRD EURO	BOB	0	0	0.0%	0	0.0%	575	641	-10.3%
PETRO CRK&SPRD EURO	EOB	0	0	0.0%	0	0.0%	0	5	-100.0%
PETRO CRK&SPRD EURO	EPN	310	623	-50.2%	395	-21.5%	2,495	3,621	-31.1%
PETRO CRK&SPRD EURO	EVC	0	33	-100.0%	0	0.0%	787	384	104.9%
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0.0%	9	0	0.0%
PETRO CRK&SPRD EURO	MGB	0	60	-100.0%	0	0.0%	0	60	-100.0%
PETRO CRK&SPRD EURO	MUD	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%
PETRO CRK&SPRD EURO	NOB	83	122	-32.0%	18	361.1%	795	204	289.7%
PETROLEUM PRODUCTS	1NM	0	50	-100.0%	0	0.0%	50	537	-90.7%
PETROLEUM PRODUCTS	BEB	0	0	0.0%	0	0.0%	0	3	-100.0%
PETROLEUM PRODUCTS	BEF	0	0	0.0%	0	0.0%	2	1	100.0%
PETROLEUM PRODUCTS	CMS	200	0	0.0%	50	300.0%	920	320	187.5%
PETROLEUM PRODUCTS	EWG	0	0	0.0%	249	-100.0%	2,829	1,768	60.0%
PETROLEUM PRODUCTS	H5F	40	60	-33.3%	60	-33.3%	225	60	275.0%



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<b>Energy Futures</b>									
PETROLEUM PRODUCTS	JCC	1,548	0	0.0%	1,524	1.6%	9,404	1,038	806.0%
PETROLEUM PRODUCTS	MME	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0.0%	0	14	-100.0%
PETROLEUM PRODUCTS	NCC	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	R5E	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	R5F	18	42	-57.1%	55	-67.3%	279	299	-6.7%
PETROLEUM PRODUCTS	S53	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%
PETROLEUM PRODUCTS	UP5	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0.0%	1,148	311	269.1%
PETROLEUM PRODUCTS ASIA	E6M	5	0	0.0%	0	0.0%	25	0	0.0%
PETROLEUM PRODUCTS ASIA	MJN	185	675	-72.6%	380	-51.3%	6,326	1,732	265.2%
PETRO OUTRIGHT EURO	0B	0	20	-100.0%	0	0.0%	0	55	-100.0%
PETRO OUTRIGHT EURO	0C	0	40	-100.0%	0	0.0%	0	75	-100.0%
PETRO OUTRIGHT EURO	0D	28	76	-63.2%	11	154.5%	173	651	-73.4%
PETRO OUTRIGHT EURO	0E	0	20	-100.0%	0	0.0%	0	20	-100.0%
PETRO OUTRIGHT EURO	0F	0	0	0.0%	0	0.0%	9	9	0.0%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0.0%	0	10	-100.0%
PETRO OUTRIGHT EURO	5L	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	63	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	7I	0	50	-100.0%	0	0.0%	285	50	470.0%
PETRO OUTRIGHT EURO	7R	6	0	0.0%	6	0.0%	38	5	660.0%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	30	-100.0%	30	0	0.0%
PETRO OUTRIGHT EURO	CPB	115	152	-24.3%	264	-56.4%	1,448	3,079	-53.0%
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	EFM	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%
PETRO OUTRIGHT EURO	EWN	69	551	-87.5%	12	475.0%	739	908	-18.6%
PETRO OUTRIGHT EURO	FLB	0	0	0.0%	0	0.0%	0	5	-100.0%
PETRO OUTRIGHT EURO	GNO	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	H5G	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	JFB	0	0	0.0%	0	0.0%	0	10	-100.0%
PETRO OUTRIGHT EURO	M1B	952	1,132	-15.9%	1,258	-24.3%	7,954	9,157	-13.1%
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0.0%	0	210	-100.0%

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<b>Energy Futures</b>									
PETRO OUTRIGHT EURO	MBN	176	325	-45.8%	946	-81.4%	4,597	3,011	52.7%
PETRO OUTRIGHT EURO	MEF	10	194	-94.8%	20	-50.0%	79	1,889	-95.8%
PETRO OUTRIGHT EURO	MQA	0	0	-	0	0.0%	138	0	-
PETRO OUTRIGHT EURO	R53	0	0	0.0%	0	0.0%	0	60	-100.0%
PETRO OUTRIGHT EURO	R5B	0	10	-100.0%	0	0.0%	0	56	-100.0%
PETRO OUTRIGHT EURO	R5M	1,242	1,641	-24.3%	1,547	-19.7%	12,618	6,214	103.1%
PETRO OUTRIGHT EURO	R5O	507	544	-6.8%	674	-24.8%	7,580	5,131	47.7%
PETRO OUTRIGHT EURO	RBM	0	27	-100.0%	38	-100.0%	95	27	251.9%
PETRO OUTRIGHT EURO	S5B	0	0	0.0%	0	0.0%	5	5	0.0%
PETRO OUTRIGHT EURO	S5F	119	102	16.7%	115	3.5%	891	779	14.4%
PETRO OUTRIGHT EURO	S5M	1,834	2,024	-9.4%	1,616	13.5%	15,641	11,799	32.6%
PETRO OUTRIGHT EURO	S5O	2,560	795	222.0%	2,562	-0.1%	22,460	7,205	211.7%
PETRO OUTRIGHT EURO	SMU	0	750	-100.0%	0	0.0%	0	1,050	-100.0%
PETRO OUTRIGHT EURO	SR5	15	0	-	0	-	15	0	-
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	T2B	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	TLB	0	0	-	0	0.0%	0	0	-
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	UNB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	V0	0	0	-	0	0.0%	0	0	-
PETRO OUTRIGHT NA	A8B	560	150	273.3%	135	314.8%	1,780	500	256.0%
PETRO OUTRIGHT NA	AB6	740	60	1,133.3%	290	155.2%	2,795	1,735	61.1%
PETRO OUTRIGHT NA	BCR	1,260	1,375	-8.4%	2,215	-43.1%	18,395	12,580	46.2%
PETRO OUTRIGHT NA	DBB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	FCB	0	0	-	0	0.0%	0	0	-
PETRO OUTRIGHT NA	H5B	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	JE	0	125	-100.0%	0	0.0%	60	275	-78.2%
PETRO OUTRIGHT NA	JET	325	100	225.0%	50	550.0%	3,310	1,325	149.8%
PETRO OUTRIGHT NA	JTB	450	325	38.5%	0	0.0%	2,061	325	534.2%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	90	-100.0%	695	389	78.7%
PETRO OUTRIGHT NA	MEN	42	183	-77.0%	90	-53.3%	538	410	31.2%
PETRO OUTRIGHT NA	MEO	255	198	28.8%	196	30.1%	1,699	3,167	-46.4%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	MMF	0	0	0.0%	0	0.0%	0	65	-100.0%
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0.0%	0	0	0.0%

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<b>Energy Futures</b>									
PJM AD HUB 5MW REAL TIME	Z9	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%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	-	0	0	0.0%
PJM DAYTON DA PEAK	D7	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%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	0.0%	0	-	0	0	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	-	0	0	0.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	-	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	-	0	0	0.0%
PJM WESTHDA PEAK	J4	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%
PJM WESTH RT PEAK	L1	0	0	0.0%	0	0.0%	0	0	0.0%
PLASTICS	PGP	571	299	91.0%	1,582	-63.9%	7,172	9,734	-26.3%
PREMIUM UNLD 10P FOB MED	3G	0	0	0.0%	45	-100.0%	60	5	1,100.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,170	465	151.6%	2,222	-47.3%	11,805	9,130	29.3%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	12,103	11,767	2.9%	15,034	-19.5%	93,416	113,357	-17.6%
RBOB CALENDAR SWAP	RL	3,305	9,255	-64.3%	2,817	17.3%	39,178	47,307	-17.2%
RBOB CRACK SPREAD	RM	330	690	-52.2%	775	-57.4%	13,162	16,090	-18.2%
RBOB CRACK SPREAD BALMO S	1E	127	0	-	0	-	127	0	-
RBOB GASOLINE BALMO CLNDR	1D	794	411	93.2%	792	0.3%	11,180	3,579	212.4%
RBOB PHY	MRB	14	0	-	11	27.3%	25	0	-
RBOB PHY	RBL	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB VS HEATING OIL SWAP	RH	180	0	0.0%	0	0.0%	555	505	9.9%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE 180CST BALMO	BS	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE 380CST BALMO	BT	0	0	0.0%	0	0.0%	1	0	0.0%
SINGAPORE 380CST FUEL OIL	SE	11	201	-94.5%	36	-69.4%	1,279	1,461	-12.5%
SINGAPORE FUEL 180CST CAL	UA	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE FUEL OIL 180 CS	GMS	0	0	-	0	0.0%	0	0	-
SINGAPORE FUEL OIL SPREAD	SD	0	0	0.0%	30	-100.0%	30	0	0.0%
SINGAPORE GASOIL	MAF	375	270	38.9%	564	-33.5%	3,628	1,702	113.2%
SINGAPORE GASOIL	MTB	0	0	0.0%	0	0.0%	186	24	675.0%
SINGAPORE GASOIL	MTS	320	382	-16.2%	215	48.8%	2,303	2,206	4.4%
SINGAPORE GASOIL	SBM	0	0	0.0%	0	0.0%	332	85	290.6%

## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2022	VOLUME JUL 2021	% CHG	VOLUME JUN 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Energy Futures</b>									
SINGAPORE GASOIL CALENDAR	MSG	23	1,602	-98.6%	20	15.0%	1,151	5,613	-79.5%
SINGAPORE GASOIL SWAP	SG	75	693	-89.2%	13	476.9%	2,965	10,033	-70.4%
SINGAPORE GASOIL VS ICE	GA	0	2,247	-100.0%	0	0.0%	3,936	6,848	-42.5%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE JET KERO GASOIL	RK	0	600	-100.0%	0	0.0%	3,653	900	305.9%
SINGAPORE JET KEROSENE SW	KS	0	260	-100.0%	0	0.0%	405	1,085	-62.7%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	10	-100.0%	600	-100.0%	810	310	161.3%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	0	700	-100.0%	123	-100.0%	600	2,984	-79.9%
Sumas Basis Swap	NK	0	0	0.0%	0	-	0	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	0.0%	0	0.0%	264	105	151.4%
TC5 RAS TANURA TO YOKOHAM	TH	0	0	0.0%	120	-100.0%	195	135	44.4%
TCO BASIS SWAP	TC	0	0	0.0%	0	-	0	0	0.0%
TD3 MEG TO JAPAN 250K MT	TL	0	757	-100.0%	0	0.0%	6,185	10,057	-38.5%
TEXAS EASTERN ZONE M-3 BA	NX	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%
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	0	0.0%	0	2,535	-100.0%
ULSD UP-DOWN BALMO SWP	1L	3,174	2,325	36.5%	3,520	-9.8%	47,429	35,779	32.6%
UP DOWN GC ULSD VS NMX HO	LT	14,191	40,246	-64.7%	14,416	-1.6%	204,859	218,982	-6.4%
WAHA BASIS	NW	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	38,293	38,079	0.6%	56,397	-32.1%	395,501	281,842	40.3%
WTI CALENDAR	CS	31,385	47,932	-34.5%	60,196	-47.9%	447,388	373,309	19.8%
WTI MIDLAND CRUDE OIL	WTL	0	0	0.0%	0	0.0%	0	1,755	-100.0%
WTS (ARGUS) VS WTI SWAP	FF	315	5,105	-93.8%	2,142	-85.3%	18,862	30,095	-37.3%
WTS (ARGUS) VS WTI TRD MT	FH	0	0	0.0%	600	-100.0%	5,885	4,740	24.2%
<b>Energy Options</b>									
BRENT CALENDAR SWAP	BA	0	368	-100.0%	0	0.0%	3,086	2,872	7.5%
BRENT CRUDE OIL 1 M CSO	9C	0	250	-100.0%	0	0.0%	89,250	71,250	25.3%
BRENT OIL LAST DAY	BE	175	5,716	-96.9%	35,608	-99.5%	90,337	135,956	-33.6%
BRENT OIL LAST DAY	BZO	10,945	11,205	-2.3%	17,155	-36.2%	139,942	190,638	-26.6%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	-	0	0	0.0%
COAL API2 INDEX	F2C	0	75	-100.0%	0	0.0%	390	770	-49.4%
COAL API2 INDEX	F2Q	0	100	-100.0%	0	0.0%	100	985	-89.8%
CRUDE OIL	6Y	0	0	0.0%	0	0.0%	0	0	0.0%

## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2022	VOLUME JUL 2021	% CHG	VOLUME JUN 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Energy Options</b>									
CRUDE OIL 1MO	WA	31,760	153,650	-79.3%	34,480	-7.9%	491,756	1,012,655	-51.4%
CRUDE OIL APO	AO	20,794	19,803	5.0%	19,004	9.4%	151,039	245,418	-38.5%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	CD	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL PHY	LC	17,480	10,806	61.8%	20,950	-16.6%	272,838	71,536	281.4%
CRUDE OIL PHY	LO	2,286,774	2,638,813	-13.3%	2,347,982	-2.6%	17,840,489	16,489,622	8.2%
CRUDE OIL PHY	LO1	10,689	16,947	-36.9%	33,284	-67.9%	207,818	100,845	106.1%
CRUDE OIL PHY	LO2	24,152	20,509	17.8%	22,546	7.1%	154,190	89,132	73.0%
CRUDE OIL PHY	LO3	61	14,839	-99.6%	17,948	-99.7%	114,971	82,873	38.7%
CRUDE OIL PHY	LO4	33,521	31,295	7.1%	23,589	42.1%	220,391	128,815	71.1%
CRUDE OIL PHY	LO5	26,265	17,607	49.2%	13	201,938.5%	44,155	41,730	5.8%
CRUDE OIL PHY	MCO	6,569	0	-	2,266	189.9%	8,835	0	-
CRUDE OIL PHY	MW1	467	0	-	206	126.7%	673	0	-
CRUDE OIL PHY	MW2	999	0	-	193	417.6%	1,192	0	-
CRUDE OIL PHY	MW3	0	0	-	158	-100.0%	158	0	-
CRUDE OIL PHY	MW4	2,650	0	-	364	628.0%	3,014	0	-
CRUDE OIL PHY	MW5	1,537	0	-	0	-	1,537	0	-
ELEC FINSETTLED	PJN	0	0	0.0%	0	0.0%	0	0	0.0%
ETHANOL SWAP	CVR	2,474	2,415	2.4%	4,297	-42.4%	24,387	18,718	30.3%
ETHANOL SWAP	GVR	0	0	0.0%	0	0.0%	0	0	0.0%
FREIGHT MARKETS	FLO	0	0	-	0	0.0%	30	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	0.0%	0	0.0%	750	930	-19.4%
HEATING OIL PHY	FZ	0	0	-	0	0.0%	0	0	-
HEATING OIL PHY	LB	0	0	0.0%	0	0.0%	382	1,533	-75.1%
HEATING OIL PHY	OH	7,290	6,732	8.3%	7,180	1.5%	79,062	39,134	102.0%
HENRY HUB FINANCIAL LAST	E7	3,511	5,047	-30.4%	4,434	-20.8%	36,972	74,208	-50.2%
HO 1 MONTH CLNDR OPTIONS	FA	1,300	0	0.0%	0	0.0%	4,625	0	0.0%
LLS CRUDE OIL	HTO	0	0	-	0	0.0%	1,200	0	-
LLS CRUDE OIL	WTO	0	0	0.0%	0	0.0%	900	0	0.0%
MCCLOSKEY ARA ARGS COAL	MTO	0	240	-100.0%	0	0.0%	0	540	-100.0%
MCCLOSKEY RCH BAY COAL	MFO	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS	LN1	0	0	-	0	0.0%	350	0	-
NATURAL GAS	LN2	9	0	-	85	-89.4%	698	0	-
NATURAL GAS	LN3	5	0	-	25	-80.0%	1,062	0	-
NATURAL GAS	LN4	0	0	-	0	0.0%	1,516	0	-

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Commodity		VOLUME JUL 2022	VOLUME JUL 2021	% CHG	VOLUME JUN 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Energy Options</b>									
NATURAL GAS	LN5	3	0	-	0	0.0%	5	0	-
NATURAL GAS 1 M CSO FIN	G4	85,900	45,950	86.9%	29,000	196.2%	678,642	299,949	126.3%
NATURAL GAS 2 M CSO FIN	G2	350	0	0.0%	1,200	-70.8%	14,100	5,800	143.1%
NATURAL GAS 3 M CSO FIN	G3	45,100	31,925	41.3%	32,350	39.4%	261,100	148,431	75.9%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	0	0.0%	46,250	11,150	314.8%
NATURAL GAS 6 M CSO FIN	G6	4,000	17,600	-77.3%	3,000	33.3%	80,900	85,800	-5.7%
NATURAL GAS OPT	JFO	0	0	-	0	0.0%	300	0	-
NATURAL GAS OPT	JKO	150	3,400	-95.6%	0	0.0%	5,400	13,650	-60.4%
NATURAL GAS OPT	TFO	0	4,440	-100.0%	0	0.0%	700	143,120	-99.5%
NATURAL GAS OPTION ON CALENDAR STRP	6J	0	11,220	-100.0%	0	0.0%	600	47,520	-98.7%
NATURAL GAS PHY	KD	3,530	1,475	139.3%	2,375	48.6%	10,330	15,525	-33.5%
NATURAL GAS PHY	LN	1,829,037	2,168,707	-15.7%	2,371,770	-22.9%	14,993,524	13,612,424	10.1%
NATURAL GAS PHY	ON	77,608	77,689	-0.1%	111,470	-30.4%	666,995	573,818	16.2%
NATURAL GAS SUMMER STRIP	4D	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS WINTER STRIP	6I	0	0	0.0%	0	-	0	0	0.0%
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	-	0	0	0.0%
NY HARBOR HEAT OIL SWP	AT	1,066	598	78.3%	2,401	-55.6%	13,932	6,102	128.3%
PETROCHEMICALS	4H	0	428	-100.0%	2,280	-100.0%	3,163	6,021	-47.5%
PETROCHEMICALS	4J	0	0	0.0%	0	0.0%	0	715	-100.0%
PETROCHEMICALS	4K	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	CPR	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%
PETRO OUTRIGHT NA	1N5	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	DAP	0	180	-100.0%	0	0.0%	375	1,080	-65.3%
PJM WES HUB PEAK CAL MTH	6OA	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%
RBOB 1MO CAL SPD OPTIONS	ZA	1,000	0	-	1,550	-35.5%	2,550	0	-
RBOB CALENDAR SWAP	RA	445	35	1,171.4%	1,150	-61.3%	3,397	1,155	194.1%
RBOB PHY	OB	3,058	8,400	-63.6%	5,050	-39.4%	25,191	51,535	-51.1%
RBOB PHY	RF	60	16	275.0%	130	-53.8%	1,260	450	180.0%
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM	U11	0	0	0.0%	0	0.0%	300	50	500.0%
SHORT TERM	U12	0	0	0.0%	0	0.0%	550	100	450.0%
SHORT TERM	U13	0	0	0.0%	0	0.0%	100	200	-50.0%
SHORT TERM	U14	0	0	0.0%	50	-100.0%	500	0	0.0%

## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2022	VOLUME JUL 2021	% CHG	VOLUME JUN 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Energy Options</b>									
SHORT TERM	U15	0	300	-100.0%	0	0.0%	0	300	-100.0%
SHORT TERM	U22	0	0	0.0%	0	0.0%	200	0	0.0%
SHORT TERM	U23	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM	U24	0	0	0.0%	0	0.0%	0	100	-100.0%
SHORT TERM	U25	0	0	0.0%	0	0.0%	200	300	-33.3%
SHORT TERM	U26	0	0	0.0%	0	0.0%	200	75	166.7%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0.0%	250	75	233.3%
SHORT TERM NATURAL GAS	U02	0	100	-100.0%	0	0.0%	0	350	-100.0%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0.0%	0	100	-100.0%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0.0%	400	300	33.3%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0.0%	500	200	150.0%
SHORT TERM NATURAL GAS	U06	0	250	-100.0%	0	0.0%	550	800	-31.3%
SHORT TERM NATURAL GAS	U07	200	0	0.0%	175	14.3%	925	325	184.6%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	50	-100.0%	200	50	300.0%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0.0%	0	200	-100.0%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0.0%	200	0	0.0%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0.0%	0	75	-100.0%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0.0%	0	150	-100.0%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0.0%	300	0	0.0%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0.0%	550	0	0.0%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	0.0%	250	0	0.0%
SHORT TERM NATURAL GAS	U21	450	200	125.0%	0	0.0%	950	200	375.0%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	U28	100	0	0.0%	0	0.0%	100	100	0.0%
SHORT TERM NATURAL GAS	U29	0	50	-100.0%	0	0.0%	0	50	-100.0%
SHORT TERM NATURAL GAS	U30	0	100	-100.0%	100	-100.0%	100	250	-60.0%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0.0%	200	0	0.0%
WTI-BRENT BULLET SWAP	BV	66,690	31,250	113.4%	83,854	-20.5%	278,720	192,600	44.7%
WTI CRUDE OIL 1 M CSO FI	7A	24,300	91,760	-73.5%	68,100	-64.3%	417,900	563,770	-25.9%
<b>Metals Futures</b>									
COMEX GOLD	GC	5,400,881	5,603,156	-3.6%	3,575,107	51.1%	33,620,789	37,304,891	-9.9%
NYMEX HOT ROLLED STEEL	HR	14,980	19,341	-22.5%	20,709	-27.7%	158,146	147,116	7.5%



## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2022	VOLUME JUL 2021	% CHG	VOLUME JUN 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Metals Futures</b>									
NYMEX PLATINUM	PL	312,284	294,112	6.2%	527,839	-40.8%	2,855,212	2,538,837	12.5%
PALLADIUM	PA	32,801	35,785	-8.3%	29,047	12.9%	321,663	318,925	0.9%
URANIUM	UX	0	120	-100.0%	0	0.0%	24	985	-97.6%
COMEX SILVER	SI	1,206,253	1,272,414	-5.2%	1,596,851	-24.5%	9,827,549	12,758,897	-23.0%
COMEX E-Mini GOLD	QO	27,969	23,068	21.2%	26,483	5.6%	215,600	160,761	34.1%
COMEX E-Mini SILVER	QI	3,132	3,938	-20.5%	3,245	-3.5%	27,229	48,701	-44.1%
COMEX COPPER	HG	1,659,098	1,822,790	-9.0%	2,021,310	-17.9%	12,078,995	16,140,118	-25.2%
COMEX MINY COPPER	QC	3,019	3,970	-24.0%	4,134	-27.0%	25,306	28,506	-11.2%
ALUMINUM	A38	0	0	0.0%	0	0.0%	0	174	-100.0%
ALUMINUM	AEP	2,436	6,553	-62.8%	814	199.3%	12,030	23,673	-49.2%
ALUMINUM	ALA	90	40	125.0%	15	500.0%	1,745	3,080	-43.3%
ALUMINUM	ALI	53,175	14,424	268.7%	31,786	67.3%	171,237	62,634	173.4%
ALUMINUM	AUP	7,570	6,039	25.4%	10,152	-25.4%	43,605	44,723	-2.5%
ALUMINUM	CUP	0	0	0.0%	0	-	0	0	0.0%
ALUMINUM	EDP	10,107	5,883	71.8%	3,713	172.2%	31,925	22,968	39.0%
ALUMINUM	MJP	150	750	-80.0%	0	0.0%	2,440	1,850	31.9%
COBALT METAL FUTURES	COB	1,140	191	496.9%	2,721	-58.1%	6,439	2,607	147.0%
COPPER	HGS	132	3,033	-95.6%	1,759	-92.5%	12,472	19,039	-34.5%
COPPER	MHG	76,805	0	-	87,414	-12.1%	207,136	0	-
FERROUS PRODUCTS	BUS	2,509	1,186	111.6%	2,613	-4.0%	18,416	10,908	68.8%
GOLD	4GC	0	0	0.0%	0	0.0%	0	116	-100.0%
GOLD	SGC	579	2,537	-77.2%	375	54.4%	5,831	8,979	-35.1%
GOLD	SGU	580	7,041	-91.8%	1,070	-45.8%	47,277	24,214	95.2%
HOT ROLLED COIL STEEL FUTURES	EHR	3,708	2,017	83.8%	3,396	9.2%	18,411	8,506	116.4%
IRON ORE 62 CHINA TSI FUTURES	TIO	0	0	0.0%	0	-	0	0	0.0%
IRON ORE CHINA	TIO	1,448	646	124.1%	1,884	-23.1%	9,460	6,655	42.1%
METALS	HDG	96	0	0.0%	0	0.0%	447	43	939.5%
METALS	LTH	0	0	0.0%	0	0.0%	0	5	-100.0%
METALS	PAC	100	0	-	200	-50.0%	1,300	0	-
MICRO GOLD	MGC	881,738	1,107,149	-20.4%	922,500	-4.4%	7,768,603	8,872,389	-12.4%
SILVER	SIL	122,752	152,383	-19.4%	127,590	-3.8%	1,134,190	1,587,699	-28.6%
<b>Metals Options</b>									
ALUMINUM	ALO	0	0	0.0%	0	0.0%	0	2,250	-100.0%
COMEX COPPER	HX	88,642	71,271	24.4%	98,837	-10.3%	550,098	494,433	11.3%



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<b>Metals Options</b>									
COMEX GOLD	OG	817,227	534,947	52.8%	705,068	15.9%	6,196,648	5,100,382	21.5%
COMEX SILVER	SO	88,029	135,737	-35.1%	89,115	-1.2%	751,216	1,226,671	-38.8%
COPPER	H1E	120	6	1,900.0%	358	-66.5%	958	33	2,803.0%
COPPER	H1M	108	0	-	168	-35.7%	277	0	-
COPPER	H1W	235	0	-	303	-22.4%	594	0	-
COPPER	H2E	577	8	7,112.5%	242	138.4%	1,723	41	4,102.4%
COPPER	H2M	149	0	-	188	-20.7%	371	0	-
COPPER	H2W	125	0	-	43	190.7%	229	0	-
COPPER	H3E	1,135	4	28,275.0%	132	759.8%	1,687	23	7,234.8%
COPPER	H3M	382	0	-	112	241.1%	524	0	-
COPPER	H3W	95	0	-	56	69.6%	175	0	-
COPPER	H4E	1,274	0	0.0%	136	836.8%	1,722	25	6,788.0%
COPPER	H4M	118	0	-	36	227.8%	171	0	-
COPPER	H4W	57	0	-	148	-61.5%	205	0	-
COPPER	H5E	447	0	0.0%	0	0.0%	479	2	23,850.0%
COPPER	H5W	0	0	-	177	-100.0%	177	0	-
GOLD	G1M	5,351	0	-	2,785	92.1%	9,636	0	-
GOLD	G1W	7,858	0	-	2,881	172.8%	14,409	0	-
GOLD	G2M	4,633	0	-	9,566	-51.6%	15,676	0	-
GOLD	G2W	5,195	0	-	4,311	20.5%	11,370	0	-
GOLD	G3M	3,978	0	-	1,055	277.1%	6,534	0	-
GOLD	G3W	7,644	0	-	8,230	-7.1%	18,005	0	-
GOLD	G4M	3,317	0	-	1,035	220.5%	6,056	0	-
GOLD	G4W	6,452	0	-	4,565	41.3%	11,260	0	-
GOLD	G5W	0	0	-	7,941	-100.0%	7,941	0	-
GOLD	OG1	19,803	29,328	-32.5%	50,087	-60.5%	335,337	303,632	10.4%
GOLD	OG2	39,773	35,032	13.5%	45,276	-12.2%	347,284	304,804	13.9%
GOLD	OG3	37,625	32,632	15.3%	61,552	-38.9%	355,160	299,470	18.6%
GOLD	OG4	32,103	26,026	23.3%	29,950	7.2%	292,821	187,853	55.9%
GOLD	OG5	39,116	28,741	36.1%	0	0.0%	78,201	89,738	-12.9%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	0.0%	0	-	0	0	0.0%
HOT ROLLED COIL STEEL PUT OPTION	HRO	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	0.0%	0	-	0	0	0.0%
IRON ORE CHINA	ICT	0	2,124	-100.0%	0	0.0%	0	4,128	-100.0%

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



## NYMEX/COMEX Exchange Volume Report - Monthly

	Commodity	VOLUME JUL 2022	VOLUME JUL 2021	% CHG	VOIUME JUN 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
Metals Options									
NYMEX HOT ROLLED STEEL	HRO	1,460	0	0.0%	2,104	-30.6%	11,450	1,605	613.4%
NYMEX PLATINUM	PO	2,382	803	196.6%	6,067	-60.7%	40,387	20,959	92.7%
PALLADIUM	PAO	7	310	-97.7%	7	0.0%	111	4,739	-97.7%
SILVER	M1S	401	0	-	209	91.9%	668	0	-
SILVER	M2S	423	0	-	563	-24.9%	1,154	0	-
SILVER	M3S	208	0	-	65	220.0%	567	0	-
SILVER	M4S	208	0	-	207	0.5%	505	0	-
SILVER	SO1	2,558	3,368	-24.0%	4,283	-40.3%	32,070	19,536	64.2%
SILVER	SO2	2,350	2,908	-19.2%	4,991	-52.9%	37,279	20,837	78.9%
SILVER	SO3	2,549	2,274	12.1%	3,145	-19.0%	26,613	17,882	48.8%
SILVER	SO4	2,547	2,604	-2.2%	2,675	-4.8%	22,521	10,495	114.6%
SILVER	SO5	3,186	3,008	5.9%	0	0.0%	5,475	5,841	-6.3%
SILVER	W1S	403	0	-	137	194.2%	935	0	-
SILVER	W2S	320	0	-	192	66.7%	702	0	-
SILVER	W3S	178	0	-	429	-58.5%	776	0	-
SILVER	W4S	158	0	-	195	-19.0%	448	0	-
SILVER	W5S	0	0	-	322	-100.0%	322	0	-
TOTAL FUTURES GROUP									
Ag Products Futures		0	0	0.0%	0	0.0%	0	2	-100.0%
Energy Futures		33,794,644	38,453,634	-12.1%	37,167,861	-9.1%	276,559,077	277,097,054	-0.2%
Metals Futures		9,825,532	10,388,566	-5.4%	9,002,727	9.1%	68,623,477	80,147,999	-14.4%
TOTAL FUTURES		43,620,176	48,842,200	-10.7%	46,170,588	-5.5%	345,182,554	357,245,055	-3.4%
TOTAL OPTIONS GROUP									
Energy Options		4,632,474	5,452,490	-15.0%	5,307,822	-12.7%	37,500,954	34,585,305	8.4%
Metals Options		1,230,906	911,131	35.1%	1,149,944	7.0%	9,198,927	8,115,379	13.4%
TOTAL OPTIONS		5,863,380	6,363,621	-7.9%	6,457,766	-9.2%	46,699,881	42,700,684	9.4%



## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME JUL 2022	VOLUME JUL 2021	% CHG	VOIUME JUN 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>TOTAL COMBINED</b>								
Ag Products	0	0	0.0%	0	-	0	2	-100.0%
Energy	38,427,118	43,906,124	-12.5%	42,475,683	-9.5%	314,060,031	311,682,359	0.8%
Metals	11,056,438	11,299,697	-2.2%	10,152,671	8.9%	77,822,404	88,263,378	-11.8%
<b>GRAND TOTAL</b>	<b>49,483,556</b>	<b>55,205,821</b>	<b>-10.4%</b>	<b>52,628,354</b>	<b>-6.0%</b>	<b>391,882,435</b>	<b>399,945,739</b>	<b>-2.0%</b>