



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
Ag Products Futures									
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%
Energy Futures									
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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Energy Futures									
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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Energy Futures									
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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Energy Futures									
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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Energy Futures									
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 LNG 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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Energy Futures									
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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Commodity		VOLUME JUL 2022	VOLUME JUL 2021	% CHG	VOLUME JUN 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
Energy Futures									
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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Energy Futures									
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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Energy Futures									
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 OUTFRIGHT EURO	0B	0	20	-100.0%	0	0.0%	0	55	-100.0%
PETRO OUTFRIGHT EURO	0C	0	40	-100.0%	0	0.0%	0	75	-100.0%
PETRO OUTFRIGHT EURO	0D	28	76	-63.2%	11	154.5%	173	651	-73.4%
PETRO OUTFRIGHT EURO	0E	0	20	-100.0%	0	0.0%	0	20	-100.0%
PETRO OUTFRIGHT EURO	0F	0	0	0.0%	0	0.0%	9	9	0.0%
PETRO OUTFRIGHT EURO	1T	0	0	0.0%	0	0.0%	0	10	-100.0%
PETRO OUTFRIGHT EURO	5L	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	63	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	7I	0	50	-100.0%	0	0.0%	285	50	470.0%
PETRO OUTFRIGHT EURO	7R	6	0	0.0%	6	0.0%	38	5	660.0%
PETRO OUTFRIGHT EURO	CBB	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTFRIGHT EURO	CGB	0	0	0.0%	30	-100.0%	30	0	0.0%
PETRO OUTFRIGHT EURO	CPB	115	152	-24.3%	264	-56.4%	1,448	3,079	-53.0%
PETRO OUTFRIGHT EURO	EFF	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	EFM	0	0	0.0%	0	0.0%	0	12	-100.0%
PETRO OUTFRIGHT EURO	ENS	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTFRIGHT EURO	EWN	69	551	-87.5%	12	475.0%	739	908	-18.6%
PETRO OUTFRIGHT EURO	FLB	0	0	0.0%	0	0.0%	0	5	-100.0%
PETRO OUTFRIGHT EURO	GNO	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	H5G	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTFRIGHT EURO	JFB	0	0	0.0%	0	0.0%	0	10	-100.0%
PETRO OUTFRIGHT EURO	M1B	952	1,132	-15.9%	1,258	-24.3%	7,954	9,157	-13.1%
PETRO OUTFRIGHT EURO	MBB	0	0	0.0%	0	0.0%	0	210	-100.0%

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Energy Futures									
PETRO OUTFRIGHT EURO	MBN	176	325	-45.8%	946	-81.4%	4,597	3,011	52.7%
PETRO OUTFRIGHT EURO	MEF	10	194	-94.8%	20	-50.0%	79	1,889	-95.8%
PETRO OUTFRIGHT EURO	MQA	0	0	-	0	0.0%	138	0	-
PETRO OUTFRIGHT EURO	R53	0	0	0.0%	0	0.0%	0	60	-100.0%
PETRO OUTFRIGHT EURO	R5B	0	10	-100.0%	0	0.0%	0	56	-100.0%
PETRO OUTFRIGHT EURO	R5M	1,242	1,641	-24.3%	1,547	-19.7%	12,618	6,214	103.1%
PETRO OUTFRIGHT EURO	R5O	507	544	-6.8%	674	-24.8%	7,580	5,131	47.7%
PETRO OUTFRIGHT EURO	RBM	0	27	-100.0%	38	-100.0%	95	27	251.9%
PETRO OUTFRIGHT EURO	S5B	0	0	0.0%	0	0.0%	5	5	0.0%
PETRO OUTFRIGHT EURO	S5F	119	102	16.7%	115	3.5%	891	779	14.4%
PETRO OUTFRIGHT EURO	S5M	1,834	2,024	-9.4%	1,616	13.5%	15,641	11,799	32.6%
PETRO OUTFRIGHT EURO	S5O	2,560	795	222.0%	2,562	-0.1%	22,460	7,205	211.7%
PETRO OUTFRIGHT EURO	SMU	0	750	-100.0%	0	0.0%	0	1,050	-100.0%
PETRO OUTFRIGHT EURO	SR5	15	0	-	0	-	15	0	-
PETRO OUTFRIGHT EURO	T0	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	T2B	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	TLB	0	0	-	0	0.0%	0	0	-
PETRO OUTFRIGHT EURO	ULB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	UNB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	V0	0	0	-	0	0.0%	0	0	-
PETRO OUTFRIGHT NA	A8B	560	150	273.3%	135	314.8%	1,780	500	256.0%
PETRO OUTFRIGHT NA	AB6	740	60	1,133.3%	290	155.2%	2,795	1,735	61.1%
PETRO OUTFRIGHT NA	BCR	1,260	1,375	-8.4%	2,215	-43.1%	18,395	12,580	46.2%
PETRO OUTFRIGHT NA	DBB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT NA	FCB	0	0	-	0	0.0%	0	0	-
PETRO OUTFRIGHT NA	H5B	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT NA	JE	0	125	-100.0%	0	0.0%	60	275	-78.2%
PETRO OUTFRIGHT NA	JET	325	100	225.0%	50	550.0%	3,310	1,325	149.8%
PETRO OUTFRIGHT NA	JTB	450	325	38.5%	0	0.0%	2,061	325	534.2%
PETRO OUTFRIGHT NA	MBL	0	0	0.0%	90	-100.0%	695	389	78.7%
PETRO OUTFRIGHT NA	MEN	42	183	-77.0%	90	-53.3%	538	410	31.2%
PETRO OUTFRIGHT NA	MEO	255	198	28.8%	196	30.1%	1,699	3,167	-46.4%
PETRO OUTFRIGHT NA	MFD	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTFRIGHT 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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Energy Futures									
PJM AD HUB 5MW REAL TIME	Z9	0	0.0%	0	0.0%	0	0	0.0%	
PJM DAILY	JD	0	0.0%	0	0.0%	0	0	0.0%	
PJM DAYTON DA OFF-PEAK	R7	0	0.0%	0	-	0	0	0.0%	
PJM DAYTON DA PEAK	D7	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%	
PJM NI HUB 5MW REAL TIME	B6	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%	
PJM PSEG DA OFF-PEAK	W6	0	0.0%	0	-	0	0	0.0%	
PJM PSEG DA PEAK	L6	0	0.0%	0	-	0	0	0.0%	
PJM WESTH DA OFF-PEAK	E4	0	0.0%	0	-	0	0	0.0%	
PJM WESTHDA PEAK	J4	0	0.0%	0	-	0	0	0.0%	
PJM WESTH RT OFF-PEAK	N9	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%	
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%

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Energy Futures									
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%
Energy Options									
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%



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Energy Options									
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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Energy Options									
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%



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Energy Options									
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%
Metals Futures									
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%

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Metals Futures									
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%
Metals Options									
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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Commodity		VOLUME JUL 2022	VOLUME JUL 2021	% CHG	VOLUME JUN 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
Metals Options									
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%

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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

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TOTAL COMBINED								
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%
GRAND TOTAL	49,483,556	55,205,821	-10.4%	52,628,354	-6.0%	391,882,435	399,945,739	-2.0%