



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest JUL 2022	Open Interest JUL 2021	% CHG	Open Interest JUN 2022	% CHG
Ag Products Futures					
COFFEE	0	0	-	0	-
COTTON	0	0	-	0	-
SUGAR 11	0	0	-	0	-
Energy Futures					
CRUDE OIL PHY	1,609,615	2,319,540	-30.6%	1,630,216	-1.3%
CRUDE OIL	0	8	-100.0%	0	-
MINY WTI CRUDE OIL	5,202	3,999	30.1%	4,951	5.1%
BRENT OIL LAST DAY	183,989	200,398	-8.2%	174,946	5.2%
HEATING OIL PHY	271,173	399,410	-32.1%	258,623	4.9%
HTG OIL	108	148	-27.0%	81	33.3%
MINY HTG OIL	0	0	-	0	0.0%
RBOB PHY	259,384	342,141	-24.2%	276,387	-6.2%
MINY RBOB GAS	1	1	0.0%	1	0.0%
NATURAL GAS	235,372	144,431	63.0%	239,839	-1.9%
LTD NAT GAS	374,380	469,717	-20.3%	391,943	-4.5%
MINY NATURAL GAS	8,177	4,575	78.7%	4,525	80.7%
PJM MONTHLY	0	0	-	0	-
NATURAL GAS PHY	983,986	1,434,026	-31.4%	985,101	-0.1%
RBOB GAS	76	88	-13.6%	59	28.8%
3.5% FUEL OIL CID MED SWA	0	0	-	0	-
AEP-DAYTON HUB DAILY	10	10	0.0%	10	0.0%
ARGUS LLS VS. WTI (ARG) T	7,308	24,943	-70.7%	7,469	-2.2%
ARGUS PROPAN FAR EST INDE	5,136	5,645	-9.0%	5,429	-5.4%
ARGUS PROPAN(SAUDI ARAMCO	1,665	1,703	-2.2%	1,702	-2.2%
AUSTRIALIAN COKE COAL	0	0	-	0	-
BRENT BALMO SWAP	0	139	-100.0%	100	-100.0%
BRENT CALENDAR SWAP	42,912	14,065	205.1%	46,153	-7.0%
BRENT FINANCIAL FUTURES	0	0	-	0	-
BRENT FINANCIAL FUTURES	0	0	-	0	-
BRENT FINANCIAL FUTURES	0	26	-100.0%	0	-
BRENT OIL LAST DAY	0	0	0.0%	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	0	0.0%
CAR VINTAGE	2,974	457	550.8%	2,821	5.4%
CAR VINTAGE	15,316	0	-	14,734	4.0%
CHICAGO ETHANOL SWAP	30,040	39,974	-24.9%	34,643	-13.3%
CHICAGO ULSD PL VS HO SPR	918	1,422	-35.4%	743	23.6%
CHICAGO UNL GAS PL VS RBO	0	0	-	25	-100.0%
CIG BASIS	0	0	-	0	-
CIN HUB 5MW D AH PK	0	0	-	0	-
CIN HUB 5MW REAL TIME O P	0	0	-	0	-
CIN HUB 5MW REAL TIME PK	0	0	-	0	-
COLUMB GULF MAINLINE NG B	0	0	-	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	2,069	1,895	9.2%	2,244	-7.8%
CONWAY NORMAL BUTANE (OPIS) SWAP	1,882	1,265	48.8%	1,499	25.6%
CONWAY PROPANE 5 DECIMALS SWAP	27,439	24,421	12.4%	26,453	3.7%
CRUDE OIL	0	0	-	0	-
CRUDE OIL LAST DAY	0	0	-	0	-
CRUDE OIL OUTRIGHTS	708	84	742.9%	78	807.7%
CRUDE OIL OUTRIGHTS	1,264	3,407	-62.9%	1,511	-16.3%
CRUDE OIL OUTRIGHTS	300	3,170	-90.5%	510	-41.2%

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Energy Futures						
CRUDE OIL OUTRIGHTS	DAB	0	0	-	0	-
CRUDE OIL OUTRIGHTS	DBL	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	630	2,762	-77.2%	675	-6.7%
CRUDE OIL OUTRIGHTS	HTT	145,546	143,942	1.1%	144,365	0.8%
CRUDE OIL OUTRIGHTS	LSW	1,056	4,013	-73.7%	1,176	-10.2%
CRUDE OIL OUTRIGHTS	WCW	2,695	9,690	-72.2%	3,405	-20.9%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	0	15	-100.0%	0	-
CRUDE OIL PHY	MCL	11,238	5,811	93.4%	17,455	-35.6%
CRUDE OIL SPRDS	38	0	0	-	0	-
CRUDE OIL SPRDS	ANT	3,590	1,342	167.5%	4,735	-24.2%
CRUDE OIL SPRDS	HIL	3,570	15,096	-76.4%	4,265	-16.3%
CRUDE OIL SPRDS	WTT	131,976	82,351	60.3%	134,759	-2.1%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	720	600	20.0%	480	50.0%
DAILY PJM	IDO	1,536	19,152	-92.0%	1,536	0.0%
DAILY PJM	NOC	0	1,200	-100.0%	0	-
DAILY PJM	PAP	0	0	-	0	-
DAILY PJM	PEO	0	0	-	0	-
DAILY PJM	PNO	0	0	-	0	-
DAILY PJM	PNP	0	0	-	0	-
DAILY PJM	PWO	0	0	-	0	-
DAILY PJM	PWP	0	0	-	0	-
DAILY PJM	WOR	6,480	2,400	170.0%	4,320	50.0%
DAILY PJM	ZAO	0	0	-	0	-
DAILY PJM	ZGO	0	10,080	-100.0%	0	-
DAILY PJM	ZJO	0	0	-	0	-
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	2,370	555	327.0%	2,395	-1.0%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DOMINION TRANSMISSION INC	PG	0	54	-100.0%	0	-
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	500	0	-	500	0.0%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	4,445	20,483	-78.3%	4,636	-4.1%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	A5	939	3,652	-74.3%	1,062	-11.6%
ELEC FINSETTLED	47	0	0	-	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-
ELECTRICITY OFF PEAK	4P	0	0	-	0	-
EMMISSIONS	CGO	214	0	-	209	2.4%
ETHANOL	MTH	0	0	-	0	-
ETHANOL SWAP	MT2	700	925	-24.3%	565	23.9%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	4,657	7,610	-38.8%	5,509	-15.5%
EURO 3.5% FUEL OIL RDAM B	KR	0	6	-100.0%	0	-
EURO 3.5% FUEL OIL SPREAD	FK	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	630	678	-7.1%	704	-10.5%
EUROPE 1% FUEL OIL NWE CA	UF	30	6	400.0%	35	-14.3%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	13	-100.0%	0	-
EUROPE 3.5% FUEL OIL RDAM	UV	132	125	5.6%	149	-11.4%
EUROPEAN GASOIL (ICE)	7F	2,356	3,372	-30.1%	2,607	-9.6%
EUROPEAN NAPHTHA BALMO	KZ	7	4	75.0%	5	40.0%



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Energy Futures						
EUROPEAN NAPHTHA CRACK SPR	EN	7,292	4,078	78.8%	7,687	-5.1%
EUROPE DATED BRENT SWAP	UB	6	15	-60.0%	8	-25.0%
EUROPE JET KERO NWE CALSW	UJ	0	10	-100.0%	0	-
EUROPE NAPHTHA CALSWAP	UN	750	1,070	-29.9%	737	1.8%
EURO PROPANE CIF ARA SWA	PS	2,500	2,225	12.4%	2,737	-8.7%
FREIGHT MARKETS	ACB	0	0	-	0	-
FREIGHT MARKETS	BF1	0	0	-	0	-
FREIGHT MARKETS	BF2	0	171	-100.0%	0	-
FREIGHT MARKETS	BF3	0	0	-	0	-
FREIGHT MARKETS	BL2	355	40	787.5%	380	-6.6%
FREIGHT MARKETS	CS3	10	0	-	10	0.0%
FREIGHT MARKETS	CS4	120	0	-	120	0.0%
FREIGHT MARKETS	FLJ	0	24	-100.0%	0	-
FREIGHT MARKETS	FLP	77	390	-80.3%	92	-16.3%
FREIGHT MARKETS	FRC	30	60	-50.0%	35	-14.3%
FREIGHT MARKETS	T2D	210	270	-22.2%	260	-19.2%
FREIGHT MARKETS	T7C	0	0	-	0	-
FREIGHT MARKETS	T8C	0	0	-	0	-
FREIGHT MARKETS	TC6	0	0	-	0	-
FREIGHT MARKETS	TD3	0	0	-	0	-
FREIGHT MARKETS	USC	0	0	-	0	-
FREIGHT MARKETS	USE	0	0	-	0	-
FUEL OIL CRACK VS ICE	FO	600	1,767	-66.0%	639	-6.1%
FUEL OIL NWE CRACK VS ICE	FI	63	72	-12.5%	69	-8.7%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0	-
FUELOIL SWAP:CARGOES VS.B	FS	0	54	-100.0%	0	-
GAS EURO-BOB OXY NWE BARGES	7H	445	1,861	-76.1%	512	-13.1%
GAS EURO-BOB OXY NWE BARGES CRK	7K	7,070	13,445	-47.4%	8,109	-12.8%
GASOIL 0.1CIF MED VS ICE	Z5	30	60	-50.0%	35	-14.3%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	33	-100.0%	0	-
GASOIL 0.1 ROTTERDAM BARG	VL	39	30	30.0%	53	-26.4%
GASOIL 10PPM VS ICE SWAP	TP	0	0	-	0	-
GASOIL CALENDAR SWAP	GX	203	154	31.8%	321	-36.8%
GASOIL CRACK SPREAD CALEN	GZ	2,730	5,913	-53.8%	3,026	-9.8%
GASOIL MINI CALENDAR SWAP	QA	612	1,629	-62.4%	805	-24.0%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	108	642	-83.2%	126	-14.3%
GROUP THREE UNLEAD GAS (P	A9	0	0	-	0	-
GRP THREE ULSD(PLT)VS HEA	A6	5,725	7,826	-26.8%	6,650	-13.9%
GRP THREE UNL GS (PLT) VS	A8	3,385	4,070	-16.8%	4,545	-25.5%
GULF COAST 3% FUEL OIL BA	VZ	107	107	0.0%	0	-
GULF COAST JET FUEL CLNDR	GE	0	0	-	0	-
GULF COAST JET VS NYM 2 H	ME	9,988	28,139	-64.5%	10,765	-7.2%
GULF COAST NO.6 FUEL OIL	MF	3,279	2,974	10.3%	3,483	-5.9%
GULF COAST NO.6 FUEL OIL	MG	6,662	3,095	115.3%	6,692	-0.4%
GULF COAST ULSD CALENDAR	LY	776	3,874	-80.0%	917	-15.4%
GULF COAST ULSD CRACK SPR	GY	0	60	-100.0%	0	-
HEATING OIL BALMO CLNDR S	1G	265	153	73.2%	100	165.0%
HEATING OIL CRCK SPRD BAL	1H	127	0	-	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%
HEATING OIL PHY	MHO	0	0	-	1	-100.0%
HENRY HUB BASIS SWAP	HB	0	0	-	0	-
HENRY HUB FINANCIAL LAST	NBP	0	0	-	0	-

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Energy Futures						
HENRY HUB INDEX SWAP FUTU	IN	0	0	-	0	-
HENRY HUB SWAP	NN	494,556	558,904	-11.5%	512,992	-3.6%
HOUSTON SHIP CHANNEL BASI	NH	0	765	-100.0%	0	-
ICE BRENT DUBAI SWAP	DB	1,440	3,655	-60.6%	1,525	-5.6%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-
INDIANA MISO	FTD	0	0	-	0	-
INDIANA MISO	PDD	0	0	-	0	-
INDIANA MISO	PTD	0	0	-	0	-
INDONESIAN COAL ICI4	ICI	0	309	-100.0%	0	-
JAPAN C&F NAPHTHA CRACK S	JB	122	0	-	104	17.3%
JAPAN C&F NAPHTHA SWAP	JA	329	190	73.2%	340	-3.2%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	-	0	-
JET CIF NWE VS ICE	JC	1,020	686	48.7%	988	3.2%
JET FUEL UP-DOWN BALMO CL	1M	665	1,475	-54.9%	663	0.3%
JKM LNG Futures	JKM	1,334	3,393	-60.7%	1,456	-8.4%
LA CARB DIESEL (OPIS) SWA	KL	661	690	-4.2%	907	-27.1%
LA CARBOB GASOLINE(OPIS)S	JL	0	125	-100.0%	0	-
LA JET (OPIS) SWAP	JS	475	920	-48.4%	675	-29.6%
LLS (ARGUS) CALENDAR SWAP	XA	0	20	-100.0%	0	-
LLS (ARGUS) VS WTI SWAP	WJ	2,106	2,968	-29.0%	2,233	-5.7%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-
MARS (ARGUS) VS WTI SWAP	YX	675	360	87.5%	675	0.0%
MARS (ARGUS) VS WTI TRD M	YV	12,435	24,035	-48.3%	18,272	-31.9%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTF	11,978	16,245	-26.3%	11,083	8.1%
MCCLOSKEY RCH BAY COAL	MFF	853	1,052	-18.9%	745	14.5%
MGN1 SWAP FUT	MGN	0	10	-100.0%	0	-
MICHIGAN BASIS	NF	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	10	13	-23.1%	10	0.0%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	100	-100.0%	50	-100.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	464	966	-52.0%	525	-11.6%
MJC FUT	MJC	0	40	-100.0%	0	-
MNC FUT	MNC	2,593	2,140	21.2%	2,610	-0.7%
MONT BELVIEU ETHANE 5 DECIMAL	C0	43,496	48,431	-10.2%	45,959	-5.4%
MONT BELVIEU ETHANE OPIS BALMO	8C	390	610	-36.1%	1,015	-61.6%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	119,767	129,595	-7.6%	121,681	-1.6%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	2,286	2,497	-8.5%	1,335	71.2%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	37,788	34,735	8.8%	38,125	-0.9%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	1,845	265	596.2%	1,269	45.4%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	56,473	57,899	-2.5%	50,730	11.3%
MONT BELVIEU NORMAL BUTANE BALMO	8J	729	202	260.9%	1,325	-45.0%
NATURAL GAS PEN SWP	NP	206,958	219,397	-5.7%	214,138	-3.4%
NEPOOL INTR HUB 5MW D AH	H2	2,376	59,660	-96.0%	3,504	-32.2%
NEPOOL INTR HUB 5MW D AH	U6	126	2,855	-95.6%	195	-35.4%
NEPOOL NE MASS 5MW D AH O	P8	0	0	-	0	-
NEPOOL NE MASS 5MW D AH P	P7	0	0	-	0	-
NEW ENGLAND HUB PEAK DAIL	CE	102	924	-89.0%	93	9.7%
NEW YORK ETHANOL SWAP	EZ	1,890	130	1,353.8%	2,051	-7.8%
NEW YORK HUB ZONE G PEAK	GN	850	330	157.6%	775	9.7%
NEW YORK HUB ZONE J PEAK	JN	0	0	-	0	-
NGPL MID-CONTINENT	NL	0	0	-	0	-
NGPL TEX/OK	PD	0	0	-	0	-

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Energy Futures						
N ILLINOIS HUB DAILY	UD	20	20	0.0%	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	NR	0	0	-	0	-
NY1% VS GC SPREAD SWAP	VR	0	180	-100.0%	0	-
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	7,206	9,069	-20.5%	7,176	0.4%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	300	1,505	-80.1%	350	-14.3%
NY HARBOR RESIDUAL FUEL 1	MM	200	475	-57.9%	325	-38.5%
NYH NO 2 CRACK SPREAD CAL	HK	12,044	8,950	34.6%	13,699	-12.1%
NYISO CAPACITY	LHV	0	0	-	0	-
NYISO CAPACITY	NRS	0	0	-	0	-
NYISO ZONE A 5MW D AH O P	K4	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	D2	0	15,840	-100.0%	0	-
NYISO ZONE G 5MW D AH PK	T3	2,100	7,235	-71.0%	2,675	-21.5%
NYISO ZONE J 5MW D AH O P	D4	0	0	-	0	-
NYISO ZONE J 5MW D AH PK	D3	0	0	-	0	-
NYMEX ALUMINUM FUTURES	AN	0	0	-	0	-
NYMEX ULSD VS NYMEX HO	UY	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	1,724	65	2,552.3%	542	218.1%
PANHANDLE BASIS SWAP FUTU	PH	0	116	-100.0%	0	-
PERMIAN BASIS SWAP	PM	0	0	-	0	-
PETROCHEMICALS	22	58	137	-57.7%	148	-60.8%
PETROCHEMICALS	32	31	21	47.6%	31	0.0%
PETROCHEMICALS	3NA	94	51	84.3%	94	0.0%
PETROCHEMICALS	51	15	0	-	13	15.4%
PETROCHEMICALS	81	60	60	0.0%	0	-
PETROCHEMICALS	8I	6,809	7,316	-6.9%	7,163	-4.9%
PETROCHEMICALS	91	742	842	-11.9%	896	-17.2%
PETROCHEMICALS	MAA	0	15	-100.0%	20	-100.0%
PETROCHEMICALS	MAE	1,770	1,874	-5.5%	1,940	-8.8%
PETROCHEMICALS	MAS	890	890	0.0%	915	-2.7%
PETROCHEMICALS	MBE	30	110	-72.7%	180	-83.3%
PETROCHEMICALS	MNB	0	1,691	-100.0%	0	-
PETROCHEMICALS	MPS	1,499	1,448	3.5%	1,300	15.3%
PETROCHEMICALS	PMF	3	0	-	8	-62.5%
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STS	0	225	-100.0%	0	-
PETRO CRCKS & SPRDS NA	CRB	21,757	19,303	12.7%	22,083	-1.5%
PETRO CRCKS & SPRDS NA	EXR	550	1,207	-54.4%	782	-29.7%
PETRO CRCKS & SPRDS NA	FOC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GBB	100	200	-50.0%	325	-69.2%
PETRO CRCKS & SPRDS NA	GCC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCI	75	100	-25.0%	150	-50.0%
PETRO CRCKS & SPRDS NA	GCM	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCU	0	710	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	1,368	4,024	-66.0%	1,604	-14.7%
PETRO CRCKS & SPRDS NA	MFR	0	114	-100.0%	0	-
PETRO CRCKS & SPRDS NA	NYF	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	1,407	4,533	-69.0%	2,341	-39.9%
PETRO CRCKS & SPRDS NA	RVG	8,846	2,487	255.7%	9,722	-9.0%
PETRO CRCKS & SPRDS NA	SF3	0	0	-	0	-



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Energy Futures						
PETRO CRK&SPRD EURO	1NB	330	233	41.6%	665	-50.4%
PETRO CRK&SPRD EURO	43	0	7	-100.0%	0	-
PETRO CRK&SPRD EURO	BOB	315	519	-39.3%	400	-21.3%
PETRO CRK&SPRD EURO	EOB	15	0	-	15	0.0%
PETRO CRK&SPRD EURO	EPN	943	797	18.3%	931	1.3%
PETRO CRK&SPRD EURO	EVC	105	324	-67.6%	160	-34.4%
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-
PETRO CRK&SPRD EURO	GCB	0	0	-	0	-
PETRO CRK&SPRD EURO	GOC	0	0	-	3	-100.0%
PETRO CRK&SPRD EURO	MGB	0	60	-100.0%	0	-
PETRO CRK&SPRD EURO	MUD	0	0	-	0	-
PETRO CRK&SPRD EURO	NBB	0	0	-	0	-
PETRO CRK&SPRD EURO	NOB	445	323	37.8%	407	9.3%
PETROLEUM PRODUCTS	1NM	0	50	-100.0%	50	-100.0%
PETROLEUM PRODUCTS	BEB	0	0	-	0	-
PETROLEUM PRODUCTS	BEF	0	0	-	0	-
PETROLEUM PRODUCTS	CMS	360	110	227.3%	160	125.0%
PETROLEUM PRODUCTS	EWG	1,761	1,518	16.0%	2,303	-23.5%
PETROLEUM PRODUCTS	H5F	150	60	150.0%	110	36.4%
PETROLEUM PRODUCTS	JCC	6,822	518	1,217.0%	6,065	12.5%
PETROLEUM PRODUCTS	MME	0	0	-	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	NCC	0	0	-	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	0	-
PETROLEUM PRODUCTS	R5F	133	156	-14.7%	156	-14.7%
PETROLEUM PRODUCTS	S53	12	12	0.0%	12	0.0%
PETROLEUM PRODUCTS	UCS	0	0	-	0	-
PETROLEUM PRODUCTS	UP5	0	0	-	0	-
PETROLEUM PRODUCTS	VU	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	E6M	5	0	-	0	-
PETROLEUM PRODUCTS ASIA	MJN	944	860	9.8%	1,273	-25.8%
PETRO OUTFRIGHT EURO	0B	84	67	25.4%	98	-14.3%
PETRO OUTFRIGHT EURO	0C	0	40	-100.0%	0	-
PETRO OUTFRIGHT EURO	0D	82	304	-73.0%	96	-14.6%
PETRO OUTFRIGHT EURO	0E	0	20	-100.0%	0	-
PETRO OUTFRIGHT EURO	0F	0	7	-100.0%	0	-
PETRO OUTFRIGHT EURO	1T	0	10	-100.0%	0	-
PETRO OUTFRIGHT EURO	5L	0	0	-	0	-
PETRO OUTFRIGHT EURO	63	0	0	-	0	-
PETRO OUTFRIGHT EURO	7I	0	50	-100.0%	0	-
PETRO OUTFRIGHT EURO	7R	6	0	-	6	0.0%
PETRO OUTFRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTFRIGHT EURO	CGB	0	0	-	30	-100.0%
PETRO OUTFRIGHT EURO	CPB	115	142	-19.0%	264	-56.4%
PETRO OUTFRIGHT EURO	EFF	0	0	-	0	-
PETRO OUTFRIGHT EURO	EFM	0	6	-100.0%	0	-
PETRO OUTFRIGHT EURO	ENS	0	0	-	0	-
PETRO OUTFRIGHT EURO	EWN	430	597	-28.0%	443	-2.9%
PETRO OUTFRIGHT EURO	FLB	0	0	-	0	-
PETRO OUTFRIGHT EURO	GNO	0	0	-	0	-
PETRO OUTFRIGHT EURO	H5G	0	0	-	0	-
PETRO OUTFRIGHT EURO	JFB	0	0	-	0	-

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Energy Futures						
PETRO OUTFRIGHT EURO	M1B	2,437	5,812	-58.1%	2,738	-11.0%
PETRO OUTFRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTFRIGHT EURO	MBN	2,168	1,208	79.5%	2,394	-9.4%
PETRO OUTFRIGHT EURO	MEF	180	549	-67.2%	190	-5.3%
PETRO OUTFRIGHT EURO	MQA	35	0	-	35	0.0%
PETRO OUTFRIGHT EURO	R53	18	45	-60.0%	21	-14.3%
PETRO OUTFRIGHT EURO	R5B	0	10	-100.0%	0	-
PETRO OUTFRIGHT EURO	R5M	2,997	3,526	-15.0%	3,290	-8.9%
PETRO OUTFRIGHT EURO	R5O	2,215	2,053	7.9%	2,511	-11.8%
PETRO OUTFRIGHT EURO	RBM	0	17	-100.0%	38	-100.0%
PETRO OUTFRIGHT EURO	S5B	0	0	-	0	-
PETRO OUTFRIGHT EURO	S5F	200	205	-2.4%	186	7.5%
PETRO OUTFRIGHT EURO	S5M	3,133	3,662	-14.4%	3,067	2.2%
PETRO OUTFRIGHT EURO	S5O	4,412	1,839	139.9%	4,386	0.6%
PETRO OUTFRIGHT EURO	SMU	0	1,050	-100.0%	0	-
PETRO OUTFRIGHT EURO	SR5	15	0	-	0	-
PETRO OUTFRIGHT EURO	T0	0	0	-	0	-
PETRO OUTFRIGHT EURO	T2B	0	0	-	0	-
PETRO OUTFRIGHT EURO	TLB	0	0	-	0	-
PETRO OUTFRIGHT EURO	ULB	0	0	-	0	-
PETRO OUTFRIGHT EURO	UNB	0	0	-	0	-
PETRO OUTFRIGHT EURO	V0	0	0	-	0	-
PETRO OUTFRIGHT NA	A8B	560	150	273.3%	135	314.8%
PETRO OUTFRIGHT NA	AB6	740	60	1,133.3%	290	155.2%
PETRO OUTFRIGHT NA	BCR	1,260	1,250	0.8%	2,165	-41.8%
PETRO OUTFRIGHT NA	DBB	0	0	-	0	-
PETRO OUTFRIGHT NA	FCB	0	0	-	0	-
PETRO OUTFRIGHT NA	H5B	0	0	-	0	-
PETRO OUTFRIGHT NA	JE	60	380	-84.2%	70	-14.3%
PETRO OUTFRIGHT NA	JET	300	425	-29.4%	150	100.0%
PETRO OUTFRIGHT NA	JTB	450	325	38.5%	0	-
PETRO OUTFRIGHT NA	MBL	360	214	68.2%	395	-8.9%
PETRO OUTFRIGHT NA	MEN	37	183	-79.8%	90	-58.9%
PETRO OUTFRIGHT NA	MEO	320	875	-63.4%	335	-4.5%
PETRO OUTFRIGHT NA	MFD	0	0	-	0	-
PETRO OUTFRIGHT NA	MMF	0	65	-100.0%	0	-
PJM AD HUB 5MW REAL TIME	V3	9,805	33,125	-70.4%	11,925	-17.8%
PJM AD HUB 5MW REAL TIME	Z9	535	1,815	-70.5%	635	-15.7%
PJM DAILY	JD	284	312	-9.0%	284	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	-	0	-
PJM DAYTON DA PEAK	D7	0	0	-	0	-
PJM NI HUB 5MW REAL TIME	B3	230	1,080	-78.7%	200	15.0%
PJM NI HUB 5MW REAL TIME	B6	0	19,450	-100.0%	0	-
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	-	0	-
PJM PSEG DA OFF-PEAK	W6	0	0	-	0	-
PJM PSEG DA PEAK	L6	0	0	-	0	-
PJM WESTH DA OFF-PEAK	E4	0	0	-	0	-
PJM WESTHDA PEAK	J4	0	0	-	0	-
PJM WESTH RT OFF-PEAK	N9	88,245	249,500	-64.6%	107,325	-17.8%
PJM WESTH RT PEAK	L1	21,036	32,827	-35.9%	23,876	-11.9%
PLASTICS	PGP	3,940	1,803	118.5%	4,193	-6.0%
PREMIUM UNLND 10P FOB MED	3G	90	5	1,700.0%	105	-14.3%

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Energy Futures						
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,140	465	145.2%	1,855	-38.5%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	38,921	54,167	-28.1%	40,426	-3.7%
RBOB CALENDAR SWAP	RL	10,289	17,870	-42.4%	11,098	-7.3%
RBOB CRACK SPREAD	RM	13,576	13,008	4.4%	15,459	-12.2%
RBOB CRACK SPREAD BALMO S	1E	127	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	794	411	93.2%	792	0.3%
RBOB PHY	MRB	1	0	-	9	-88.9%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB VS HEATING OIL SWAP	RH	315	495	-36.4%	375	-16.0%
SAN JUAN BASIS SWAP	NJ	0	0	-	0	-
SINGAPORE 180CST BALMO	BS	0	0	-	0	-
SINGAPORE 380CST BALMO	BT	0	0	-	0	-
SINGAPORE 380CST FUEL OIL	SE	209	445	-53.0%	212	-1.4%
SINGAPORE FUEL 180CST CAL	UA	0	0	-	0	-
SINGAPORE FUEL OIL 180 CS	GMS	0	0	-	0	-
SINGAPORE FUEL OIL SPREAD	SD	30	0	-	30	0.0%
SINGAPORE GASOIL	MAF	678	469	44.6%	619	9.5%
SINGAPORE GASOIL	MTB	0	0	-	0	-
SINGAPORE GASOIL	MTS	592	731	-19.0%	511	15.9%
SINGAPORE GASOIL	SBM	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	102	1,408	-92.8%	168	-39.3%
SINGAPORE GASOIL SWAP	SG	940	3,927	-76.1%	998	-5.8%
SINGAPORE GASOIL VS ICE	GA	3,930	3,936	-0.2%	4,290	-8.4%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	3,339	1,050	218.0%	3,494	-4.4%
SINGAPORE JET KEROSENE SW	KS	0	570	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	10	-100.0%	600	-100.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	0	1,025	-100.0%	400	-100.0%
Sumas Basis Swap	NK	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	TM	90	15	500.0%	115	-21.7%
TC5 RAS TANURA TO YOKOHAM	TH	270	90	200.0%	270	0.0%
TCO BASIS SWAP	TC	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	TL	3,345	5,541	-39.6%	3,645	-8.2%
TEXAS EASTERN ZONE M-3 BA	NX	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	TR	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	0.0%	0	-
ULSD UP-DOWN BALMO SWP	1L	3,124	2,275	37.3%	3,420	-8.7%
UP DOWN GC ULSD VS NMX HO	LT	26,836	55,288	-51.5%	31,808	-15.6%
WAHA BASIS	NW	0	0	-	0	-
WTI-BRENT BULLET SWAP	BY	0	0	-	0	-
WTI-BRENT CALENDAR SWAP	BK	101,705	95,985	6.0%	104,771	-2.9%
WTI CALENDAR	CS	156,164	158,747	-1.6%	167,221	-6.6%
WTI MIDLAND CRUDE OIL	WTL	0	780	-100.0%	0	-
WTS (ARGUS) VS WTI SWAP	FF	23,949	51,296	-53.3%	26,654	-10.1%
WTS (ARGUS) VS WTI TRD MT	FH	6,265	9,384	-33.2%	7,305	-14.2%
Energy Options						
BRENT CALENDAR SWAP	BA	2,766	3,229	-14.3%	2,974	-7.0%
BRENT CRUDE OIL 1 M CSO	9C	600	47,900	-98.7%	2,200	-72.7%
BRENT OIL LAST DAY	BE	41,274	120,327	-65.7%	45,924	-10.1%
BRENT OIL LAST DAY	BZO	52,486	57,650	-9.0%	67,707	-22.5%
BRENT OIL LAST DAY	OS	0	0	-	0	-
COAL API2 INDEX	F2C	365	670	-45.5%	365	0.0%

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Energy Options						
COAL API2 INDEX	F2Q	0	385	-100.0%	0	-
CRUDE OIL	6Y	0	0	-	0	-
CRUDE OIL 1MO	WA	139,193	339,015	-58.9%	166,158	-16.2%
CRUDE OIL APO	AO	217,937	241,654	-9.8%	231,488	-5.9%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-
CRUDE OIL PHY	CD	0	0	-	0	-
CRUDE OIL PHY	LC	72,872	29,369	148.1%	91,212	-20.1%
CRUDE OIL PHY	LO	2,148,390	2,105,098	2.1%	2,085,794	3.0%
CRUDE OIL PHY	LO1	5,601	6,277	-10.8%	10,416	-46.2%
CRUDE OIL PHY	LO2	803	591	35.9%	2,145	-62.6%
CRUDE OIL PHY	LO3	58	76	-23.7%	0	-
CRUDE OIL PHY	LO4	0	0	-	328	-100.0%
CRUDE OIL PHY	LO5	0	0	0.0%	3	-100.0%
CRUDE OIL PHY	MCO	2,489	0	-	1,178	111.3%
CRUDE OIL PHY	MW1	263	0	-	113	132.7%
CRUDE OIL PHY	MW2	0	0	-	94	-100.0%
CRUDE OIL PHY	MW3	0	0	-	0	-
CRUDE OIL PHY	MW4	0	0	-	0	-
CRUDE OIL PHY	MW5	0	0	-	0	-
ELEC FINSETTLED	PJN	0	43	-100.0%	23	-100.0%
ETHANOL SWAP	CVR	4,915	6,416	-23.4%	6,379	-23.0%
ETHANOL SWAP	GVR	0	0	-	0	-
FREIGHT MARKETS	FLO	30	0	-	30	0.0%
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	1,750	3,875	-54.8%	2,000	-12.5%
HEATING OIL PHY	FZ	0	0	-	0	-
HEATING OIL PHY	LB	195	1,089	-82.1%	390	-50.0%
HEATING OIL PHY	OH	14,341	11,667	22.9%	12,627	13.6%
HENRY HUB FINANCIAL LAST	E7	27,572	38,333	-28.1%	31,344	-12.0%
HO 1 MONTH CLNDR OPTIONS	FA	1,900	0	-	600	216.7%
LLS CRUDE OIL	HTO	1,200	0	-	1,200	0.0%
LLS CRUDE OIL	WTO	1,500	400	275.0%	1,650	-9.1%
MCCLOSKEY ARA ARGS COAL	MTO	120	1,023	-88.3%	120	0.0%
MCCLOSKEY RCH BAY COAL	MFO	0	0	-	0	-
NATURAL GAS	LN1	0	0	-	0	-
NATURAL GAS	LN2	0	0	-	0	-
NATURAL GAS	LN3	5	0	-	0	-
NATURAL GAS	LN4	0	0	-	0	-
NATURAL GAS	LN5	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	G4	143,246	89,500	60.1%	104,175	37.5%
NATURAL GAS 2 M CSO FIN	G2	0	5,800	-100.0%	2,350	-100.0%
NATURAL GAS 3 M CSO FIN	G3	88,725	47,896	85.2%	85,600	3.7%
NATURAL GAS 5 M CSO FIN	G5	0	2,000	-100.0%	0	-
NATURAL GAS 6 M CSO FIN	G6	7,500	15,350	-51.1%	7,000	7.1%
NATURAL GAS OPT	JFO	0	0	-	0	-
NATURAL GAS OPT	JKO	2,375	8,950	-73.5%	3,925	-39.5%
NATURAL GAS OPT	TFO	300	62,220	-99.5%	600	-50.0%
NATURAL GAS OPTION ON CALENDAR STRP	6J	7,784	42,184	-81.5%	7,784	0.0%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	3,014,505	2,362,233	27.6%	3,180,622	-5.2%
NATURAL GAS PHY	ON	45,035	58,720	-23.3%	51,114	-11.9%
NATURAL GAS SUMMER STRIP	4D	0	0	-	0	-
NATURAL GAS WINTER STRIP	6I	0	0	-	0	-

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Metals Futures						
COMEX GOLD	GC	466,838	488,404	-4.4%	495,832	-5.8%
NYMEX HOT ROLLED STEEL	HR	22,522	29,882	-24.6%	29,796	-24.4%
NYMEX PLATINUM	PL	70,945	61,712	15.0%	69,507	2.1%
PALLADIUM	PA	7,156	10,193	-29.8%	7,398	-3.3%
URANIUM	UX	800	1,280	-37.5%	800	0.0%
COMEX SILVER	SI	138,933	144,930	-4.1%	139,925	-0.7%
COMEX E-Mini GOLD	QO	1,640	2,069	-20.7%	1,695	-3.2%
COMEX E-Mini SILVER	QI	443	571	-22.4%	361	22.7%
COMEX COPPER	HG	185,926	214,550	-13.3%	182,924	1.6%
COMEX MINY COPPER	QC	444	473	-6.1%	369	20.3%
ALUMINUM	A38	0	147	-100.0%	0	-
ALUMINUM	AEP	6,367	12,195	-47.8%	6,067	4.9%
ALUMINUM	ALA	1,320	1,350	-2.2%	1,475	-10.5%
ALUMINUM	ALI	892	420	112.4%	570	56.5%
ALUMINUM	AUP	26,573	23,239	14.3%	27,114	-2.0%
ALUMINUM	CUP	0	0	-	0	-
ALUMINUM	EDP	20,614	15,104	36.5%	15,597	32.2%
ALUMINUM	MJP	2,562	3,150	-18.7%	2,839	-9.8%
COBALT METAL FUTURES	COB	5,322	1,750	204.1%	4,553	16.9%
COPPER	HGS	12,864	21,579	-40.4%	14,441	-10.9%
COPPER	MHG	1,338	0	-	1,157	15.6%
FERROUS PRODUCTS	BUS	6,950	4,351	59.7%	6,450	7.8%
GOLD	4GC	0	0	-	0	-
GOLD	SGC	252	596	-57.7%	355	-29.0%
GOLD	SGU	374	533	-29.8%	694	-46.1%
HOT ROLLED COIL STEEL FUTURES	EHR	2,962	2,294	29.1%	2,380	24.5%
IRON ORE 62 CHINA TSI FUTURES	TIO	0	0	-	0	-
IRON ORE CHINA	TIO	2,999	1,544	94.2%	2,576	16.4%
METALS	HDG	275	0	-	231	19.0%
METALS	LTH	0	0	-	1	-100.0%
METALS	PAC	100	0	-	0	-
MICRO GOLD	MGC	21,220	23,023	-7.8%	24,388	-13.0%
SILVER	SIL	6,369	7,672	-17.0%	7,422	-14.2%
Metals Options						
ALUMINUM	ALO	0	2,250	-100.0%	0	-
COMEX COPPER	HX	79,291	66,499	19.2%	71,576	10.8%
COMEX GOLD	OG	844,167	774,560	9.0%	775,830	8.8%
COMEX SILVER	SO	100,436	107,348	-6.4%	86,196	16.5%
COPPER	H1E	76	0	-	147	-48.3%
COPPER	H1M	70	0	-	18	288.9%
COPPER	H1W	27	0	-	182	-85.2%
COPPER	H2E	40	0	-	119	-66.4%
COPPER	H2M	18	0	-	64	-71.9%
COPPER	H2W	24	0	-	2	1,100.0%
COPPER	H3E	18	0	-	10	80.0%
COPPER	H3M	6	0	-	14	-57.1%
COPPER	H3W	0	0	-	0	-
COPPER	H4E	0	0	-	7	-100.0%
COPPER	H4M	44	0	-	18	144.4%
COPPER	H4W	0	0	-	0	-
COPPER	H5E	0	0	-	0	-
COPPER	H5W	0	0	-	0	0.0%



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Metals Options						
GOLD	G1M	2,905	0	-	759	282.7%
GOLD	G1W	2,647	0	-	1,795	47.5%
GOLD	G2M	837	0	-	2,176	-61.5%
GOLD	G2W	777	0	-	697	11.5%
GOLD	G3M	937	0	-	806	16.3%
GOLD	G3W	251	0	-	250	0.4%
GOLD	G4M	311	0	-	630	-50.6%
GOLD	G4W	126	0	-	0	-
GOLD	G5W	0	0	-	0	0.0%
GOLD	OG1	7,610	10,991	-30.8%	17,438	-56.4%
GOLD	OG2	3,689	4,294	-14.1%	6,932	-46.8%
GOLD	OG3	1,279	881	45.2%	4,763	-73.1%
GOLD	OG4	0	0	-	276	-100.0%
GOLD	OG5	0	0	0.0%	0	-
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	-	0	-
HOT ROLLED COIL STEEL PUT OPTION	HRO	0	0	-	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	0	-	0	-
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	-	0	-
IRON ORE CHINA	ICT	0	2,204	-100.0%	0	-
NYMEX HOT ROLLED STEEL	HRO	3,669	955	284.2%	3,259	12.6%
NYMEX PLATINUM	PO	7,588	14,522	-47.7%	6,995	8.5%
PALLADIUM	PAO	6	1,586	-99.6%	7	-14.3%
SILVER	M1S	209	0	-	45	364.4%
SILVER	M2S	23	0	-	389	-94.1%
SILVER	M3S	7	0	-	35	-80.0%
SILVER	M4S	1	0	-	138	-99.3%
SILVER	SO1	1,064	2,074	-48.7%	2,127	-50.0%
SILVER	SO2	239	716	-66.6%	789	-69.7%
SILVER	SO3	97	200	-51.5%	114	-14.9%
SILVER	SO4	0	0	-	41	-100.0%
SILVER	SO5	0	0	0.0%	0	-
SILVER	W1S	32	0	-	102	-68.6%
SILVER	W2S	28	0	-	68	-58.8%
SILVER	W3S	36	0	-	0	-
SILVER	W4S	0	0	-	0	-
SILVER	W5S	0	0	-	0	0.0%
TOTAL FUTURES GROUP						
Ag Products Futures		0	0	-	0	-
Energy Futures		6,083,325	7,978,758	-23.8%	6,231,008	-2.4%
Metals Futures		1,015,000	1,073,011	-5.4%	1,046,917	-3.0%
TOTAL FUTURES		7,098,325	9,051,769	-21.6%	7,277,925	-2.5%



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest JUL 2022	Open Interest JUL 2021	% CHG	Open Interest JUN 2022	% CHG
TOTAL OPTIONS GROUP					
Energy Options	6,429,420	6,091,618	5.5%	6,595,208	-2.5%
Metals Options	1,058,585	989,080	7.0%	984,814	7.5%
TOTAL OPTIONS	7,488,005	7,080,698	5.8%	7,580,022	-1.2%
TOTAL COMBINED					
Ag Products	0	0	-	0	-
Energy	12,512,745	14,070,376	-11.1%	12,826,216	-2.4%
Metals	2,073,585	2,062,091	0.6%	2,031,731	2.1%
GRAND TOTAL	14,586,330	16,132,467	-9.6%	14,857,947	-1.8%