

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
<b>Ag Products Futures</b>						
COFFEE	KT	0	0	-	0	-
<b>Energy Futures</b>						
CRUDE OIL PHY	CL	1,822,603	1,630,216	11.8%	1,922,759	-5.2%
CRUDE OIL	WS	0	0	-	0	-
MINY WTI CRUDE OIL	QM	3,777	4,951	-23.7%	4,857	-22.2%
BRENT OIL LAST DAY	BZ	147,001	174,946	-16.0%	151,157	-2.7%
HEATING OIL PHY	HO	304,373	258,623	17.7%	311,255	-2.2%
HTG OIL	BH	93	81	14.8%	102	-8.8%
MINY HTG OIL	QH	0	0	0.0%	2	-100.0%
RBOB PHY	RB	321,654	276,387	16.4%	302,526	6.3%
MINY RBOB GAS	QU	1	1	0.0%	2	-50.0%
NATURAL GAS	HP	192,134	239,839	-19.9%	197,302	-2.6%
LTD NAT GAS	HH	365,104	391,943	-6.8%	378,961	-3.7%
MINY NATURAL GAS	QG	13,322	4,525	194.4%	14,136	-5.8%
NATURAL GAS PHY	NG	1,234,829	985,101	25.4%	1,371,662	-10.0%
RBOB GAS	RT	66	59	11.9%	72	-8.3%
AEP-DAYTON HUB DAILY	VD	0	10	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	E5	4,945	7,469	-33.8%	6,695	-26.1%
ARGUS PROPAN FAR EST INDE	7E	6,741	5,429	24.2%	6,479	4.0%
ARGUS PROPAN(SAUDI ARAMCO	9N	2,024	1,702	18.9%	1,884	7.4%
BRENT BALMO SWAP	J9	20	100	-80.0%	0	-
BRENT CALENDAR SWAP	CY	25,722	46,153	-44.3%	28,984	-11.3%
BRENT FINANCIAL FUTURES	BB	0	0	-	0	-
BRENT FINANCIAL FUTURES	MBC	200	0	-	260	-23.1%
BRENT FINANCIAL FUTURES	MDB	0	0	-	0	-
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0.0%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0.0%
CAR VINTAGE	GEO	13,628	2,821	383.1%	16,255	-16.2%
CAR VINTAGE	NGO	11,436	14,734	-22.4%	12,342	-7.3%
CHICAGO ETHANOL SWAP	CU	40,736	34,643	17.6%	41,473	-1.8%
CHICAGO ULSD PL VS HO SPR	5C	2,395	743	222.3%	3,070	-22.0%
CHICAGO UNL GAS PL VS RBO	3C	0	25	-100.0%	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	413	2,244	-81.6%	419	-1.4%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,283	1,499	-14.4%	816	57.2%
CONWAY PROPANE 5 DECIMALS SWAP	8K	28,363	26,453	7.2%	26,477	7.1%
CRUDE OIL	LPS	0	0	-	0	-
CRUDE OIL LAST DAY	26	1,500	0	-	1,800	-16.7%
CRUDE OIL OUTRIGHTS	42	216	78	176.9%	266	-18.8%
CRUDE OIL OUTRIGHTS	CC5	0	1,511	-100.0%	0	-
CRUDE OIL OUTRIGHTS	CSW	0	510	-100.0%	0	-
CRUDE OIL OUTRIGHTS	GSW	0	675	-100.0%	0	-
CRUDE OIL OUTRIGHTS	HTT	242,066	144,365	67.7%	233,782	3.5%
CRUDE OIL OUTRIGHTS	LSW	0	1,176	-100.0%	0	-
CRUDE OIL OUTRIGHTS	WCW	0	3,405	-100.0%	0	-
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	0	0	-	0	-
CRUDE OIL PHY	MCL	15,153	17,455	-13.2%	24,575	-38.3%
CRUDE OIL SPRDS	ANT	1,000	4,735	-78.9%	1,200	-16.7%
CRUDE OIL SPRDS	BKT	750	0	-	0	-
CRUDE OIL SPRDS	HIL	0	4,265	-100.0%	0	-

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<b>Energy Futures</b>						
CRUDE OIL SPRDS	WTT	205,424	134,759	52.4%	206,713	-0.6%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	0	480	-100.0%	0	-
DAILY PJM	IDO	0	1,536	-100.0%	0	-
DAILY PJM	NOC	0	0	-	0	-
DAILY PJM	PAP	0	0	-	0	-
DAILY PJM	PEO	0	0	-	0	-
DAILY PJM	PWO	0	0	-	0	-
DAILY PJM	PWP	0	0	-	0	-
DAILY PJM	WOR	0	4,320	-100.0%	0	-
DAILY PJM	ZAO	0	0	-	0	-
DAILY PJM	ZGO	0	0	-	0	-
DAILY PJM	ZJO	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	1,295	2,395	-45.9%	1,480	-12.5%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DOMINION TRANSMISSION INC	PG	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	0	500	-100.0%	0	-
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	16,922	4,636	265.0%	2,790	506.5%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	A5	1,525	1,062	43.6%	1,622	-6.0%
ELEC FINSETTLED	47	0	0	-	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-
EMMISSIONS	CGO	50	209	-76.1%	62	-19.4%
ETHANOL	MTH	0	0	-	0	-
ETHANOL	Z1B	0	0	-	0	-
ETHANOL SWAP	MT2	900	565	59.3%	775	16.1%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	6,031	5,509	9.5%	5,676	6.3%
EURO 3.5% FUEL OIL RDAM B	KR	87	0	-	39	123.1%
EURO GASOIL 10 CAL SWAP	GT	1	0	-	2	-50.0%
EURO GASOIL 10PPM VS ICE	ET	210	704	-70.2%	240	-12.5%
EUROPE 1% FUEL OIL NWE CA	UF	0	35	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	UV	76	149	-49.0%	84	-9.5%
EUROPEAN GASOIL (ICE)	7F	462	2,607	-82.3%	867	-46.7%
EUROPEAN NAPHTHA BALMO	KZ	0	5	-100.0%	23	-100.0%
EUROPEAN NAPHTHA CRACK SPR	EN	5,988	7,687	-22.1%	5,795	3.3%
EUROPE DATED BRENT SWAP	UB	0	8	-100.0%	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	UN	1,315	737	78.4%	1,238	6.2%
EURO PROPANE CIF ARA SWA	PS	2,968	2,737	8.4%	2,835	4.7%
FREIGHT MARKETS	BF2	0	0	-	0	-
FREIGHT MARKETS	BL2	222	380	-41.6%	192	15.6%
FREIGHT MARKETS	CS3	0	10	-100.0%	0	-
FREIGHT MARKETS	CS4	70	120	-41.7%	80	-12.5%
FREIGHT MARKETS	FLJ	0	0	-	0	-
FREIGHT MARKETS	FLP	54	92	-41.3%	30	80.0%
FREIGHT MARKETS	FRC	0	35	-100.0%	0	-
FREIGHT MARKETS	T2D	40	260	-84.6%	62	-35.5%
FREIGHT MARKETS	T8C	0	0	-	0	-
FREIGHT MARKETS	TC6	0	0	-	0	-
FREIGHT MARKETS	TD3	0	0	-	0	-
FREIGHT MARKETS	USE	0	0	-	0	-

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<b>Energy Futures</b>						
FUEL OIL CRACK VS ICE	FO	24	639	-96.2%	27	-11.1%
FUEL OIL NWE CRACK VS ICE	FI	30	69	-56.5%	30	0.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	-	0	-
GAS EURO-BOB OXY NWE BARGES	7H	644	512	25.8%	519	24.1%
GAS EURO-BOB OXY NWE BARGES CRK	7K	3,970	8,109	-51.0%	3,855	3.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	35	-100.0%	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0	-
GASOIL 0.1 ROTTERDAM BARG	VL	0	53	-100.0%	0	-
GASOIL 10PPM VS ICE SWAP	TP	12	0	-	12	0.0%
GASOIL CALENDAR SWAP	GX	80	321	-75.1%	84	-4.8%
GASOIL CRACK SPREAD CALEN	GZ	528	3,026	-82.6%	534	-1.1%
GASOIL MINI CALENDAR SWAP	QA	493	805	-38.8%	451	9.3%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	0	126	-100.0%	0	-
GRP THREE ULSD(PLT)VS HEA	A6	9,185	6,650	38.1%	9,162	0.3%
GRP THREE UNL GS (PLT) VS	A8	3,147	4,545	-30.8%	3,125	0.7%
GULF COAST 3% FUEL OIL BA	VZ	0	0	-	0	-
GULF COAST JET FUEL CLNDR	GE	0	0	-	0	-
GULF COAST JET VS NYM 2 H	ME	17,939	10,765	66.6%	18,527	-3.2%
GULF COAST NO.6 FUEL OIL	MF	5,430	3,483	55.9%	5,078	6.9%
GULF COAST NO.6 FUEL OIL	MG	12,831	6,692	91.7%	13,691	-6.3%
GULF COAST ULSD CALENDAR	LY	1,590	917	73.4%	1,694	-6.1%
GULF COAST ULSD CRACK SPR	GY	0	0	-	0	-
HEATING OIL BALMO CLNDR S	1G	295	100	195.0%	40	637.5%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%
HEATING OIL PHY	MHO	0	1	-100.0%	0	-
HENRY HUB SWAP	NN	433,375	512,992	-15.5%	442,276	-2.0%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-
ICE BRENT DUBAI SWAP	DB	140	1,525	-90.8%	210	-33.3%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-
INDIANA MISO	FTD	0	0	-	0	-
INDIANA MISO	PTD	0	0	-	0	-
INDONESIAN COAL ICI4	ICI	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	JB	5	104	-95.2%	0	-
JAPAN C&F NAPHTHA SWAP	JA	622	340	82.9%	557	11.7%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	-	0	-
JET CIF NWE VS ICE	JC	559	988	-43.4%	626	-10.7%
JET FUEL UP-DOWN BALMO CL	1M	1,375	663	107.4%	202	580.7%
JKM LNG Futures	JKM	260	1,456	-82.1%	345	-24.6%
LA CARB DIESEL (OPIS) SWA	KL	717	907	-20.9%	864	-17.0%
LA CARBOB GASOLINE(OPIS)S	JL	50	0	-	100	-50.0%
LA JET (OPIS) SWAP	JS	1,505	675	123.0%	1,285	17.1%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	WJ	639	2,233	-71.4%	696	-8.2%
MARS (ARGUS) VS WTI SWAP	YX	0	675	-100.0%	0	-
MARS (ARGUS) VS WTI TRD M	YV	9,780	18,272	-46.5%	11,065	-11.6%
MCCLOSKEY ARA ARGS COAL	MTF	6,903	11,083	-37.7%	6,263	10.2%
MCCLOSKEY RCH BAY COAL	MFF	66	745	-91.1%	76	-13.2%
MGN1 SWAP FUT	MGN	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	0	10	-100.0%	0	-
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	50	-100.0%	0	-
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	385	525	-26.7%	485	-20.6%

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<b>Energy Futures</b>						
MJC FUT	MJC	0	0	-	0	-
MNC FUT	MNC	1,235	2,610	-52.7%	1,693	-27.1%
MONT BELVIEU ETHANE 5 DECIMAL	C0	51,353	45,959	11.7%	54,134	-5.1%
MONT BELVIEU ETHANE OPIS BALMO	8C	415	1,015	-59.1%	70	492.9%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	173,057	121,681	42.2%	154,890	11.7%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,265	1,335	-5.2%	1,459	-13.3%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	35,921	38,125	-5.8%	30,703	17.0%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	1,805	1,269	42.2%	1,893	-4.6%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	65,285	50,730	28.7%	60,220	8.4%
MONT BELVIEU NORMAL BUTANE BALMO	8J	767	1,325	-42.1%	1,746	-56.1%
NATURAL GAS	NWM	150	0	-	150	0.0%
NATURAL GAS PEN SWP	NP	137,966	214,138	-35.6%	139,220	-0.9%
NEPOOL INTR HUB 5MW D AH	H2	0	3,504	-100.0%	0	-
NEPOOL INTR HUB 5MW D AH	U6	0	195	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	CE	0	93	-100.0%	0	-
NEW YORK ETHANOL SWAP	EZ	1,715	2,051	-16.4%	1,055	62.6%
NEW YORK HUB ZONE G PEAK	GN	0	775	-100.0%	0	-
NEW YORK HUB ZONE J PEAK	JN	0	0	-	0	-
N ILLINOIS HUB DAILY	UD	0	0	-	0	-
NY1% VS GC SPREAD SWAP	VR	0	0	-	0	-
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	11,932	7,176	66.3%	11,958	-0.2%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	350	-100.0%	0	-
NY HARBOR RESIDUAL FUEL 1	MM	230	325	-29.2%	255	-9.8%
NYH NO 2 CRACK SPREAD CAL	HK	20,421	13,699	49.1%	17,707	15.3%
NYISO CAPACITY	LHV	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	D2	0	0	-	0	-
NYISO ZONE G 5MW D AH PK	T3	0	2,675	-100.0%	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	2,844	542	424.7%	2,767	2.8%
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-
PETROCHEMICALS	22	79	148	-46.6%	123	-35.8%
PETROCHEMICALS	32	15	31	-51.6%	80	-81.3%
PETROCHEMICALS	3NA	265	94	181.9%	256	3.5%
PETROCHEMICALS	51	0	13	-100.0%	0	-
PETROCHEMICALS	81	35	0	-	40	-12.5%
PETROCHEMICALS	8I	5,435	7,163	-24.1%	5,664	-4.0%
PETROCHEMICALS	91	1,046	896	16.7%	1,030	1.6%
PETROCHEMICALS	MAA	230	20	1,050.0%	310	-25.8%
PETROCHEMICALS	MAE	2,308	1,940	19.0%	1,996	15.6%
PETROCHEMICALS	MAS	464	915	-49.3%	412	12.6%
PETROCHEMICALS	MBE	230	180	27.8%	50	360.0%
PETROCHEMICALS	MNB	0	0	-	0	-
PETROCHEMICALS	MPS	2,472	1,300	90.2%	2,254	9.7%
PETROCHEMICALS	PMF	6	8	-25.0%	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STS	0	0	-	0	-
PETRO CRCKS & SPRDS NA	CRB	14,851	22,083	-32.7%	13,006	14.2%
PETRO CRCKS & SPRDS NA	EXR	850	782	8.7%	751	13.2%
PETRO CRCKS & SPRDS NA	FOC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GBB	450	325	38.5%	0	-
PETRO CRCKS & SPRDS NA	GCI	375	150	150.0%	0	-
PETRO CRCKS & SPRDS NA	GCU	96	0	-	96	0.0%

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Energy Futures						
PETRO CRCKS & SPRDS NA	GFC	20	0	-	225	-91.1%
PETRO CRCKS & SPRDS NA	HOB	1,250	1,604	-22.1%	1,250	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	2,275	2,341	-2.8%	2,135	6.6%
PETRO CRCKS & SPRDS NA	RVG	5,902	9,722	-39.3%	7,880	-25.1%
PETRO CRCKS & SPRDS NA	SF3	12	0	-	12	0.0%
PETRO CRK&SPRD EURO	1NB	573	665	-13.8%	573	0.0%
PETRO CRK&SPRD EURO	43	0	0	-	0	-
PETRO CRK&SPRD EURO	BOB	93	400	-76.8%	141	-34.0%
PETRO CRK&SPRD EURO	EOB	0	15	-100.0%	0	-
PETRO CRK&SPRD EURO	EPN	837	931	-10.1%	797	5.0%
PETRO CRK&SPRD EURO	EVC	315	160	96.9%	285	10.5%
PETRO CRK&SPRD EURO	GOC	0	3	-100.0%	0	-
PETRO CRK&SPRD EURO	MGB	0	0	-	0	-
PETRO CRK&SPRD EURO	MUD	30	0	-	30	0.0%
PETRO CRK&SPRD EURO	NBB	0	0	-	0	-
PETRO CRK&SPRD EURO	NOB	532	407	30.7%	426	24.9%
PETROLEUM PRODUCTS	1NM	0	50	-100.0%	0	-
PETROLEUM PRODUCTS	BEB	0	0	-	0	-
PETROLEUM PRODUCTS	BEF	0	0	-	0	-
PETROLEUM PRODUCTS	CMS	50	160	-68.8%	450	-88.9%
PETROLEUM PRODUCTS	EWG	386	2,303	-83.2%	536	-28.0%
PETROLEUM PRODUCTS	H5F	200	110	81.8%	125	60.0%
PETROLEUM PRODUCTS	JCC	7,289	6,065	20.2%	7,964	-8.5%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	0	-
PETROLEUM PRODUCTS	R5F	109	156	-30.1%	115	-5.2%
PETROLEUM PRODUCTS	S53	7	12	-41.7%	8	-12.5%
PETROLEUM PRODUCTS	UCS	0	0	-	0	-
PETROLEUM PRODUCTS	UP5	0	0	-	0	-
PETROLEUM PRODUCTS	VU	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	MJN	683	1,273	-46.3%	606	12.7%
PETRO OUTRIGHT EURO	0B	0	98	-100.0%	0	-
PETRO OUTRIGHT EURO	0C	0	0	-	0	-
PETRO OUTRIGHT EURO	0D	75	96	-21.9%	88	-14.8%
PETRO OUTRIGHT EURO	0E	0	0	-	0	-
PETRO OUTRIGHT EURO	0F	0	0	-	0	-
PETRO OUTRIGHT EURO	1T	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	20	0	-	10	100.0%
PETRO OUTRIGHT EURO	7I	0	0	-	0	-
PETRO OUTRIGHT EURO	7R	30	6	400.0%	0	-
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	30	-100.0%	0	-
PETRO OUTRIGHT EURO	CPB	40	264	-84.8%	76	-47.4%
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-
PETRO OUTRIGHT EURO	ENS	0	0	-	0	-
PETRO OUTRIGHT EURO	EWN	966	443	118.1%	1,144	-15.6%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-
PETRO OUTRIGHT EURO	H5G	0	0	-	0	-
PETRO OUTRIGHT EURO	JFB	0	0	-	0	-
PETRO OUTRIGHT EURO	M1B	2,102	2,738	-23.2%	2,196	-4.3%

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Energy Futures						
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTRIGHT EURO	MBN	2,319	2,394	-3.1%	2,320	0.0%
PETRO OUTRIGHT EURO	MEF	10	190	-94.7%	30	-66.7%
PETRO OUTRIGHT EURO	MQA	211	35	502.9%	182	15.9%
PETRO OUTRIGHT EURO	R53	0	21	-100.0%	0	-
PETRO OUTRIGHT EURO	R5B	0	0	-	0	-
PETRO OUTRIGHT EURO	R5M	2,590	3,290	-21.3%	2,827	-8.4%
PETRO OUTRIGHT EURO	R5O	1,310	2,511	-47.8%	1,314	-0.3%
PETRO OUTRIGHT EURO	RBM	0	38	-100.0%	19	-100.0%
PETRO OUTRIGHT EURO	S5B	1	0	-	0	-
PETRO OUTRIGHT EURO	S5F	515	186	176.9%	441	16.8%
PETRO OUTRIGHT EURO	S5M	2,751	3,067	-10.3%	2,948	-6.7%
PETRO OUTRIGHT EURO	S5O	815	4,386	-81.4%	796	2.4%
PETRO OUTRIGHT EURO	SMU	0	0	-	0	-
PETRO OUTRIGHT EURO	SR5	128	0	-	160	-20.0%
PETRO OUTRIGHT EURO	TLB	0	0	-	0	-
PETRO OUTRIGHT EURO	ULB	0	0	-	0	-
PETRO OUTRIGHT EURO	V0	0	0	-	0	-
PETRO OUTRIGHT NA	A8B	365	135	170.4%	130	180.8%
PETRO OUTRIGHT NA	AB6	625	290	115.5%	785	-20.4%
PETRO OUTRIGHT NA	BCR	1,435	2,165	-33.7%	735	95.2%
PETRO OUTRIGHT NA	FCB	0	0	-	0	-
PETRO OUTRIGHT NA	JE	0	70	-100.0%	0	-
PETRO OUTRIGHT NA	JET	5,410	150	3,506.7%	3,730	45.0%
PETRO OUTRIGHT NA	JTB	900	0	-	300	200.0%
PETRO OUTRIGHT NA	MBL	397	395	0.5%	367	8.2%
PETRO OUTRIGHT NA	MEN	10	90	-88.9%	128	-92.2%
PETRO OUTRIGHT NA	MEO	320	335	-4.5%	282	13.5%
PETRO OUTRIGHT NA	MFD	0	0	-	0	-
PETRO OUTRIGHT NA	MMF	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	0	11,925	-100.0%	0	-
PJM AD HUB 5MW REAL TIME	Z9	0	635	-100.0%	0	-
PJM DAILY	JD	126	284	-55.6%	126	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	200	-100.0%	0	-
PJM NI HUB 5MW REAL TIME	B6	0	0	-	0	-
PJM WESTH RT OFF-PEAK	N9	0	107,325	-100.0%	0	-
PJM WESTH RT PEAK	L1	7,938	23,876	-66.8%	9,324	-14.9%
PLASTICS	PGP	3,994	4,193	-4.7%	4,092	-2.4%
PREMIUM UNLD 10P FOB MED	3G	5	105	-95.2%	10	-50.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,070	1,855	-42.3%	650	64.6%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	72,286	40,426	78.8%	54,400	32.9%
RBOB CALENDAR SWAP	RL	12,940	11,098	16.6%	15,092	-14.3%
RBOB CRACK SPREAD	RM	9,616	15,459	-37.8%	10,176	-5.5%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	1,359	792	71.6%	2,058	-34.0%
RBOB PHY	MRB	1	9	-88.9%	2	-50.0%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB VS HEATING OIL SWAP	RH	205	375	-45.3%	230	-10.9%
SINGAPORE 180CST BALMO	BS	3	0	-	6	-50.0%
SINGAPORE 380CST BALMO	BT	0	0	-	0	-
SINGAPORE 380CST FUEL OIL	SE	368	212	73.6%	363	1.4%
SINGAPORE FUEL 180CST CAL	UA	3	0	-	3	0.0%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
<b>Energy Futures</b>						
SINGAPORE FUEL OIL 180 CS	GMS	0	0	-	0	-
SINGAPORE FUEL OIL SPREAD	SD	81	30	170.0%	81	0.0%
SINGAPORE GASOIL	MAF	11	619	-98.2%	11	0.0%
SINGAPORE GASOIL	MTB	0	0	-	0	-
SINGAPORE GASOIL	MTS	334	511	-34.6%	301	11.0%
SINGAPORE GASOIL	SBM	10	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	53	168	-68.5%	78	-32.1%
SINGAPORE GASOIL SWAP	SG	478	998	-52.1%	461	3.7%
SINGAPORE GASOIL VS ICE	GA	1,316	4,290	-69.3%	1,510	-12.8%
SINGAPORE JET KERO GASOIL	RK	1,171	3,494	-66.5%	1,328	-11.8%
SINGAPORE JET KEROSENE SW	KS	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	600	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	335	400	-16.3%	800	-58.1%
TC2 ROTTERDAM TO USAC 37K	TM	152	115	32.2%	172	-11.6%
TC5 RAS TANURA TO YOKOHAM	TH	70	270	-74.1%	80	-12.5%
TD3 MEG TO JAPAN 250K MT	TL	1,715	3,645	-52.9%	1,780	-3.7%
TEXAS EASTERN ZONE M-3 BA	NX	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	6,165	3,420	80.3%	7,325	-15.8%
UP DOWN GC ULSD VS NMX HO	LT	38,395	31,808	20.7%	38,980	-1.5%
WTI-BRENT CALENDAR SWAP	BK	116,906	104,771	11.6%	116,580	0.3%
WTI CALENDAR	CS	134,927	167,221	-19.3%	141,336	-4.5%
WTI MIDLAND CRUDE OIL	WTL	1,760	0	-	930	89.2%
WTS (ARGUS) VS WTI SWAP	FF	22,178	26,654	-16.8%	18,766	18.2%
WTS (ARGUS) VS WTI TRD MT	FH	1,720	7,305	-76.5%	2,094	-17.9%
<b>Energy Options</b>						
BRENT CALENDAR SWAP	BA	2,809	2,974	-5.5%	2,812	-0.1%
BRENT CRUDE OIL 1 M CSO	9C	4,800	2,200	118.2%	5,250	-8.6%
BRENT OIL LAST DAY	BE	29,297	45,924	-36.2%	30,467	-3.8%
BRENT OIL LAST DAY	BZO	17,964	67,707	-73.5%	17,521	2.5%
COAL API2 INDEX	F2C	305	365	-16.4%	205	48.8%
COAL API2 INDEX	F2Q	0	0	-	0	-
CRUDE OIL	6Y	0	0	-	0	-
CRUDE OIL 1MO	WA	157,875	166,158	-5.0%	167,250	-5.6%
CRUDE OIL APO	AO	162,009	231,488	-30.0%	165,012	-1.8%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-
CRUDE OIL OUTRIGHTS	ECCL	0	0	-	0	0.0%
CRUDE OIL PHY	LC	46,379	91,212	-49.2%	42,118	10.1%
CRUDE OIL PHY	LO	2,084,522	2,085,794	-0.1%	2,177,634	-4.3%
CRUDE OIL PHY	LO1	12,271	10,416	17.8%	16,461	-25.5%
CRUDE OIL PHY	LO2	3,489	2,145	62.7%	7,516	-53.6%
CRUDE OIL PHY	LO3	483	0	-	1,050	-54.0%
CRUDE OIL PHY	LO4	0	328	-100.0%	65	-100.0%
CRUDE OIL PHY	LO5	0	3	-100.0%	0	-
CRUDE OIL PHY	MCO	6,448	1,178	447.4%	6,359	1.4%
CRUDE OIL PHY	MW1	291	113	157.5%	548	-46.9%
CRUDE OIL PHY	MW2	0	94	-100.0%	164	-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	23	-100.0%	0	-
ETHANOL SWAP	CVR	6,017	6,379	-5.7%	5,810	3.6%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
Energy Options						
ETHANOL SWAP	GVR	0	0	-	0	-
FREIGHT MARKETS	FLO	0	30	-100.0%	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	2,000	-100.0%	0	-
HEATING OIL PHY	FZ	0	0	-	0	-
HEATING OIL PHY	LB	89	390	-77.2%	102	-12.7%
HEATING OIL PHY	OH	8,988	12,627	-28.8%	8,849	1.6%
HENRY HUB FINANCIAL LAST	E7	59,757	31,344	90.6%	44,505	34.3%
HENRY HUB FINANCIAL LAST	ECNG	0	0	-	0	0.0%
HO 1 MONTH CLNDR OPTIONS	FA	0	600	-100.0%	0	-
LLS CRUDE OIL	HTO	500	1,200	-58.3%	600	-16.7%
LLS CRUDE OIL	WTO	4,875	1,650	195.5%	5,250	-7.1%
MCCLOSKY ARA ARGS COAL	MTO	0	120	-100.0%	0	-
NATURAL GAS	LN1	3	0	-	108	-97.2%
NATURAL GAS	LN2	0	0	-	0	-
NATURAL GAS	LN3	0	0	-	0	-
NATURAL GAS	LN4	0	0	-	0	-
NATURAL GAS	LN5	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	G4	175,753	104,175	68.7%	97,250	80.7%
NATURAL GAS 2 M CSO FIN	G2	250	2,350	-89.4%	250	0.0%
NATURAL GAS 3 M CSO FIN	G3	99,090	85,600	15.8%	153,365	-35.4%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	G6	0	7,000	-100.0%	0	-
NATURAL GAS OPT	JFO	50	0	-	75	-33.3%
NATURAL GAS OPT	JKO	200	3,925	-94.9%	300	-33.3%
NATURAL GAS OPT	TFO	0	600	-100.0%	0	-
NATURAL GAS OPTION ON CALENDAR STRP	6J	224	7,784	-97.1%	224	0.0%
NATURAL GAS PHY	KD	0	0	0.0%	0	-
NATURAL GAS PHY	LN	3,157,361	3,180,622	-0.7%	3,159,202	-0.1%
NATURAL GAS PHY	ON	69,176	51,114	35.3%	50,741	36.3%
NATURAL GAS PHY	ON3	0	0	-	0	-
NATURAL GAS SUMMER STRIP	4D	0	0	-	0	-
NY HARBOR HEAT OIL SWP	AT	19,910	7,023	183.5%	16,061	24.0%
PETROCHEMICALS	4H	2,463	5,346	-53.9%	2,716	-9.3%
PETROCHEMICALS	4J	0	0	-	0	-
PETROCHEMICALS	4K	0	0	-	0	-
PETROCHEMICALS	CPR	0	0	-	0	-
PETRO OUTRIGHT EURO	BCO	0	0	-	0	-
PETRO OUTRIGHT NA	DAP	100	935	-89.3%	110	-9.1%
PJM WES HUB PEAK CAL MTH	6OA	0	180	-100.0%	0	-
PJM WES HUB PEAK LMP 50MW	PMA	0	0	-	0	-
RBOB 1MO CAL SPD OPTIONS	ZA	0	1,500	-100.0%	0	-
RBOB CALENDAR SWAP	RA	96	1,534	-93.7%	112	-14.3%
RBOB PHY	OB	4,572	4,793	-4.6%	4,091	11.8%
RBOB PHY	RF	35	580	-94.0%	42	-16.7%
SHORT TERM	U11	0	0	-	0	-
SHORT TERM	U12	0	0	-	0	-
SHORT TERM	U13	0	0	-	0	-
SHORT TERM	U14	0	0	-	0	-
SHORT TERM	U15	0	0	-	0	-
SHORT TERM	U22	0	0	-	0	-
SHORT TERM	U23	0	0	-	0	-
SHORT TERM	U24	0	0	-	0	-

## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
<b>Energy Options</b>					
SHORT TERM U25	0	0	-	0	-
SHORT TERM U26	0	0	-	0	-
SHORT TERM NATURAL GAS U01	0	0	-	0	-
SHORT TERM NATURAL GAS U02	0	0	-	150	-100.0%
SHORT TERM NATURAL GAS U03	0	0	-	0	-
SHORT TERM NATURAL GAS U04	0	0	-	0	-
SHORT TERM NATURAL GAS U05	0	0	-	0	-
SHORT TERM NATURAL GAS U06	0	0	-	0	-
SHORT TERM NATURAL GAS U07	0	0	-	0	-
SHORT TERM NATURAL GAS U08	0	0	-	0	-
SHORT TERM NATURAL GAS U09	0	0	-	0	-
SHORT TERM NATURAL GAS U10	0	0	-	0	-
SHORT TERM NATURAL GAS U16	0	0	-	0	-
SHORT TERM NATURAL GAS U17	0	0	-	0	-
SHORT TERM NATURAL GAS U18	0	0	-	0	-
SHORT TERM NATURAL GAS U19	0	0	-	0	-
SHORT TERM NATURAL GAS U20	0	0	-	0	-
SHORT TERM NATURAL GAS U21	0	0	-	0	-
SHORT TERM NATURAL GAS U27	0	0	-	0	-
SHORT TERM NATURAL GAS U28	0	0	-	0	-
SHORT TERM NATURAL GAS U29	0	0	-	0	-
SHORT TERM NATURAL GAS U30	0	0	0.0%	0	-
SHORT TERM NATURAL GAS U31	0	0	-	0	0.0%
WTI-BRENT BULLET SWAP BV	71,300	188,955	-62.3%	89,125	-20.0%
WTI CRUDE OIL 1 M CSO FI 7A	226,880	176,730	28.4%	244,630	-7.3%
<b>Metals Futures</b>					
COMEX GOLD GC	440,991	495,832	-11.1%	445,179	-0.9%
NYMEX HOT ROLLED STEEL HR	23,581	29,796	-20.9%	29,307	-19.5%
NYMEX PLATINUM PL	69,283	69,507	-0.3%	69,102	0.3%
PALLADIUM PA	14,631	7,398	97.8%	11,006	32.9%
URANIUM UX	0	800	-100.0%	0	-
COMEX SILVER SI	114,102	139,925	-18.5%	133,598	-14.6%
COMEX E-Mini GOLD QO	1,196	1,695	-29.4%	1,033	15.8%
COMEX E-Mini SILVER QI	347	361	-3.9%	446	-22.2%
COMEX COPPER HG	190,619	182,924	4.2%	225,332	-15.4%
COMEX MINY COPPER QC	356	369	-3.5%	423	-15.8%
ALUMINUM A38	0	0	-	0	-
ALUMINUM AEP	6,006	6,067	-1.0%	7,406	-18.9%
ALUMINUM ALA	430	1,475	-70.8%	500	-14.0%
ALUMINUM ALI	3,209	570	463.0%	3,094	3.7%
ALUMINUM AUP	27,318	27,114	0.8%	27,489	-0.6%
ALUMINUM EDP	17,165	15,597	10.1%	18,019	-4.7%
ALUMINUM MJP	855	2,839	-69.9%	980	-12.8%
COBALT METAL FUTURES COB	20,693	4,553	354.5%	20,897	-1.0%
COBALT METAL FUTURES MOX	531	0	-	308	72.4%
COPPER HGS	14,067	14,441	-2.6%	15,227	-7.6%
COPPER MHG	1,791	1,157	54.8%	2,988	-40.1%
FERROUS PRODUCTS BUS	4,650	6,450	-27.9%	5,060	-8.1%
FERROUS PRODUCTS FSF	55	0	-	62	-11.3%
GOLD 4GC	0	0	-	0	-

## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
<b>Metals Futures</b>						
GOLD	SGC	345	355	-2.8%	345	0.0%
GOLD	SGU	403	694	-41.9%	394	2.3%
HOT ROLLED COIL STEEL FUTURES	EHR	6,327	2,380	165.8%	6,504	-2.7%
IRON ORE CHINA	TIO	740	2,576	-71.3%	0	-
METALS	HDG	480	231	107.8%	955	-49.7%
METALS	LTH	1,913	1	191,200.0%	1,687	13.4%
METALS	PAC	0	0	-	0	-
MICRO GOLD	MGC	24,452	24,388	0.3%	27,422	-10.8%
SILVER	SIL	7,444	7,422	0.3%	9,153	-18.7%
<b>Metals Options</b>						
ALUMINUM	ALO	0	0	-	0	-
ALUMINUM	AX	1,035	0	-	846	22.3%
COMEX COPPER	HX	77,294	71,576	8.0%	88,420	-12.6%
COMEX GOLD	ECGC	0	0	-	0	0.0%
COMEX GOLD	OG	764,717	775,830	-1.4%	789,744	-3.2%
COMEX SILVER	ECSI	0	0	-	0	0.0%
COMEX SILVER	SO	96,724	86,196	12.2%	120,599	-19.8%
COPPER	ECHG	0	0	-	0	0.0%
COPPER	H1E	142	147	-3.4%	337	-57.9%
COPPER	H1M	242	18	1,244.4%	126	92.1%
COPPER	H1W	105	182	-42.3%	181	-42.0%
COPPER	H2E	32	119	-73.1%	37	-13.5%
COPPER	H2M	390	64	509.4%	64	509.4%
COPPER	H2W	10	2	400.0%	10	0.0%
COPPER	H3E	13	10	30.0%	70	-81.4%
COPPER	H3M	2	14	-85.7%	0	-
COPPER	H3W	1	0	-	58	-98.3%
COPPER	H4E	0	7	-100.0%	2	-100.0%
COPPER	H4M	0	18	-100.0%	34	-100.0%
COPPER	H4W	0	0	-	0	-
COPPER	H5E	0	0	-	0	-
COPPER	H5M	0	0	-	0	-
COPPER	H5W	0	0	0.0%	0	0.0%
GOLD	G1M	6,808	759	797.0%	5,695	19.5%
GOLD	G1W	3,710	1,795	106.7%	1,707	117.3%
GOLD	G2M	1,734	2,176	-20.3%	3,633	-52.3%
GOLD	G2W	1,510	697	116.6%	1,581	-4.5%
GOLD	G3M	1,524	806	89.1%	0	-
GOLD	G3W	405	250	62.0%	356	13.8%
GOLD	G4M	514	630	-18.4%	736	-30.2%
GOLD	G4W	0	0	-	0	-
GOLD	G5M	0	0	-	0	-
GOLD	G5W	0	0	0.0%	0	0.0%
GOLD	OG1	6,964	17,438	-60.1%	16,565	-58.0%
GOLD	OG2	2,725	6,932	-60.7%	5,805	-53.1%
GOLD	OG3	787	4,763	-83.5%	3,051	-74.2%
GOLD	OG4	0	276	-100.0%	92	-100.0%
GOLD	OG5	0	0	-	0	-
IRON ORE CHINA	ICT	0	0	-	0	-
NYMEX HOT ROLLED STEEL	HRO	6,950	3,259	113.3%	8,405	-17.3%
NYMEX PLATINUM	PO	23,754	6,995	239.6%	34,812	-31.8%
PALLADIUM	PAO	1,706	7	24,271.4%	1,337	27.6%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
<b>Metals Options</b>						
SILVER	M1S	914	45	1,931.1%	1,446	-36.8%
SILVER	M2S	275	389	-29.3%	761	-63.9%
SILVER	M3S	58	35	65.7%	0	-
SILVER	M4S	5	138	-96.4%	231	-97.8%
SILVER	M5S	0	0	-	0	-
SILVER	SO1	1,473	2,127	-30.7%	1,941	-24.1%
SILVER	SO2	149	789	-81.1%	4,212	-96.5%
SILVER	SO3	92	114	-19.3%	184	-50.0%
SILVER	SO4	0	41	-100.0%	2	-100.0%
SILVER	SO5	0	0	-	0	-
SILVER	W1S	715	102	601.0%	425	68.2%
SILVER	W2S	298	68	338.2%	304	-2.0%
SILVER	W3S	22	0	-	10	120.0%
SILVER	W4S	0	0	-	0	-
SILVER	W5S	0	0	0.0%	0	0.0%
<b>TOTAL FUTURES GROUP</b>						
Ag Products Futures		0	0	-	0	-
Energy Futures		6,576,934	6,231,008	5.6%	6,793,753	-3.2%
Metals Futures		993,980	1,046,917	-5.1%	1,063,916	-6.6%
<b>TOTAL FUTURES</b>		<b>7,570,914</b>	<b>7,277,925</b>	<b>4.0%</b>	<b>7,857,669</b>	<b>-3.6%</b>
<b>TOTAL OPTIONS GROUP</b>						
Energy Options		6,436,631	6,595,208	-2.4%	6,524,100	-1.3%
Metals Options		1,003,799	984,814	1.9%	1,093,819	-8.2%
<b>TOTAL OPTIONS</b>		<b>7,440,430</b>	<b>7,580,022</b>	<b>-1.8%</b>	<b>7,617,919</b>	<b>-2.3%</b>



## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
<b>TOTAL COMBINED</b>						
	Ag Products	0	0	-	0	-
	Energy	13,013,565	12,826,216	1.5%	13,317,853	-2.3%
	Metals	1,997,779	2,031,731	-1.7%	2,157,735	-7.4%
	<b>GRAND TOTAL</b>	<b>15,011,344</b>	<b>14,857,947</b>	<b>1.0%</b>	<b>15,475,588</b>	<b>-3.0%</b>