

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
Ag Products Futures						
COFFEE	KT	0	0	-	0	-
Energy Futures						
CRUDE OIL PHY	CL	1,922,759	1,787,928	7.5%	1,881,769	2.2%
CRUDE OIL	WS	0	0	-	0	-
MINY WTI CRUDE OIL	QM	4,857	3,882	25.1%	4,966	-2.2%
BRENT OIL LAST DAY	BZ	151,157	181,699	-16.8%	144,631	4.5%
HEATING OIL PHY	HO	311,255	248,966	25.0%	280,370	11.0%
HTG OIL	BH	102	90	13.3%	111	-8.1%
MINY HTG OIL	QH	2	0	0.0%	0	0.0%
RBOB PHY	RB	302,526	307,627	-1.7%	293,880	2.9%
MINY RBOB GAS	QU	2	0	0.0%	4	-50.0%
NATURAL GAS	HP	197,302	236,750	-16.7%	190,726	3.4%
LTD NAT GAS	HH	378,961	433,923	-12.7%	383,702	-1.2%
MINY NATURAL GAS	QG	14,136	6,123	130.9%	11,281	25.3%
NATURAL GAS PHY	NG	1,371,662	1,115,815	22.9%	1,303,690	5.2%
RBOB GAS	RT	72	66	9.1%	78	-7.7%
AEP-DAYTON HUB DAILY	VD	0	10	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	E5	6,695	10,990	-39.1%	7,315	-8.5%
ARGUS PROPAN FAR EST INDE	7E	6,479	5,410	19.8%	6,159	5.2%
ARGUS PROPAN(SAUDI ARAMCO	9N	1,884	2,114	-10.9%	1,877	0.4%
BRENT BALMO SWAP	J9	0	0	-	0	-
BRENT CALENDAR SWAP	CY	28,984	41,650	-30.4%	29,809	-2.8%
BRENT FINANCIAL FUTURES	BB	0	0	-	0	-
BRENT FINANCIAL FUTURES	MBC	260	0	-	210	23.8%
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	16,255	3,078	428.1%	19,364	-16.1%
CAR VINTAGE	NGO	12,342	18,863	-34.6%	12,288	0.4%
CHICAGO ETHANOL SWAP	CU	41,473	33,921	22.3%	36,496	13.6%
CHICAGO ULSD PL VS HO SPR	5C	3,070	1,200	155.8%	2,615	17.4%
CHICAGO UNL GAS PL VS RBO	3C	0	50	-100.0%	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	419	2,359	-82.2%	444	-5.6%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	816	984	-17.1%	571	42.9%
CONWAY PROPANE 5 DECIMALS SWAP	8K	26,477	22,541	17.5%	22,665	16.8%
CRUDE OIL	LPS	0	0	-	0	-
CRUDE OIL LAST DAY	26	1,800	0	-	2,100	-14.3%
CRUDE OIL OUTRIGHTS	42	266	1,061	-74.9%	314	-15.3%
CRUDE OIL OUTRIGHTS	CC5	0	1,758	-100.0%	0	-
CRUDE OIL OUTRIGHTS	CSW	0	360	-100.0%	0	-
CRUDE OIL OUTRIGHTS	GSW	0	810	-100.0%	0	-
CRUDE OIL OUTRIGHTS	HTT	233,782	142,454	64.1%	208,284	12.2%
CRUDE OIL OUTRIGHTS	LSW	0	1,476	-100.0%	0	-
CRUDE OIL OUTRIGHTS	WCW	0	4,355	-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	24,575	14,973	64.1%	33,349	-26.3%
CRUDE OIL SPRDS	ANT	1,200	2,435	-50.7%	1,165	3.0%
CRUDE OIL SPRDS	HIL	0	4,960	-100.0%	0	-
CRUDE OIL SPRDS	WTT	206,713	127,232	62.5%	205,388	0.6%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
Energy Futures						
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	0	600	-100.0%	0	-
DAILY PJM	IDO	0	1,440	-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	5,400	-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	1,480	2,420	-38.8%	1,665	-11.1%
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	2,790	4,788	-41.7%	2,719	2.6%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	A5	1,622	1,036	56.6%	1,774	-8.6%
ELEC FINSETTLED	47	0	0	-	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-
EMMISSIONS	CGO	62	90	-31.1%	45	37.8%
ETHANOL	MTH	0	0	-	0	-
ETHANOL	Z1B	0	0	-	26	-100.0%
ETHANOL SWAP	MT2	775	675	14.8%	925	-16.2%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	5,676	6,202	-8.5%	6,341	-10.5%
EURO 3.5% FUEL OIL RDAM B	KR	39	0	-	0	-
EURO GASOIL 10 CAL SWAP	GT	2	0	-	3	-33.3%
EURO GASOIL 10PPM VS ICE	ET	240	774	-69.0%	270	-11.1%
EUROPE 1% FUEL OIL NWE CA	UF	0	40	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	UV	84	166	-49.4%	114	-26.3%
EUROPEAN GASOIL (ICE)	7F	867	4,074	-78.7%	1,038	-16.5%
EUROPEAN NAPHTHA BALMO	KZ	23	20	15.0%	3	666.7%
EUROPEAN NAPHTHA CRACK SPR	EN	5,795	8,134	-28.8%	5,682	2.0%
EUROPE DATED BRENT SWAP	UB	0	9	-100.0%	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	UN	1,238	824	50.2%	1,178	5.1%
EURO PROPANE CIF ARA SWA	PS	2,835	2,611	8.6%	2,790	1.6%
FREIGHT MARKETS	BF2	0	0	-	0	-
FREIGHT MARKETS	BL2	192	105	82.9%	225	-14.7%
FREIGHT MARKETS	CS3	0	0	-	0	-
FREIGHT MARKETS	CS4	80	120	-33.3%	90	-11.1%
FREIGHT MARKETS	FLJ	0	0	-	0	-
FREIGHT MARKETS	FLP	30	118	-74.6%	30	0.0%
FREIGHT MARKETS	FRC	0	40	-100.0%	0	-
FREIGHT MARKETS	T2D	62	310	-80.0%	84	-26.2%
FREIGHT MARKETS	T8C	0	0	-	0	-
FREIGHT MARKETS	TC6	0	0	-	0	-
FREIGHT MARKETS	TD3	0	0	-	0	-
FREIGHT MARKETS	USE	0	0	-	0	-
FUEL OIL CRACK VS ICE	FO	27	714	-96.2%	30	-10.0%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>Energy Futures</b>						
FUEL OIL NWE CRACK VS ICE	FI	30	75	-60.0%	30	0.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	-	0	-
GAS EURO-BOB OXY NWE BARGES	7H	519	603	-13.9%	573	-9.4%
GAS EURO-BOB OXY NWE BARGES CRK	7K	3,855	9,074	-57.5%	4,210	-8.4%
GASOIL 0.1CIF MED VS ICE	Z5	0	40	-100.0%	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0	-
GASOIL 0.1 ROTTERDAM BARG	VL	0	62	-100.0%	0	-
GASOIL 10PPM VS ICE SWAP	TP	12	0	-	12	0.0%
GASOIL CALENDAR SWAP	GX	84	338	-75.1%	85	-1.2%
GASOIL CRACK SPREAD CALEN	GZ	534	3,395	-84.3%	552	-3.3%
GASOIL MINI CALENDAR SWAP	QA	451	1,125	-59.9%	441	2.3%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	0	144	-100.0%	0	-
GRP THREE ULSD(PLT)VS HEA	A6	9,162	7,955	15.2%	8,893	3.0%
GRP THREE UNL GS (PLT) VS	A8	3,125	5,830	-46.4%	4,045	-22.7%
GULF COAST 3% FUEL OIL BA	VZ	0	90	-100.0%	0	-
GULF COAST JET FUEL CLNDR	GE	0	0	-	0	-
GULF COAST JET VS NYM 2 H	ME	18,527	12,831	44.4%	14,368	28.9%
GULF COAST NO.6 FUEL OIL	MF	5,078	3,990	27.3%	4,365	16.3%
GULF COAST NO.6 FUEL OIL	MG	13,691	7,175	90.8%	13,676	0.1%
GULF COAST ULSD CALENDAR	LY	1,694	921	83.9%	1,862	-9.0%
GULF COAST ULSD CRACK SPR	GY	0	0	-	0	-
HEATING OIL BALMO CLNDR S	1G	40	1,296	-96.9%	0	-
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	0	-	0	-
HENRY HUB SWAP	NN	442,276	538,296	-17.8%	443,953	-0.4%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-
ICE BRENT DUBAI SWAP	DB	210	1,620	-87.0%	180	16.7%
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	0	86	-100.0%	0	-
JAPAN C&F NAPHTHA SWAP	JA	557	346	61.0%	458	21.6%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	-	0	-
JET CIF NWE VS ICE	JC	626	1,013	-38.2%	693	-9.7%
JET FUEL UP-DOWN BALMO CL	1M	202	2,300	-91.2%	360	-43.9%
JKM LNG Futures	JKM	345	1,579	-78.2%	430	-19.8%
LA CARB DIESEL (OPIS) SWA	KL	864	1,103	-21.7%	1,011	-14.5%
LA CARBOB GASOLINE(OPIS)S	JL	100	0	-	150	-33.3%
LA JET (OPIS) SWAP	JS	1,285	1,225	4.9%	1,000	28.5%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	WJ	696	2,360	-70.5%	753	-7.6%
MARS (ARGUS) VS WTI SWAP	YX	0	700	-100.0%	0	-
MARS (ARGUS) VS WTI TRD M	YV	11,065	26,000	-57.4%	11,765	-5.9%
MCCLOSKEY ARA ARGS COAL	MTF	6,263	11,347	-44.8%	6,299	-0.6%
MCCLOSKEY RCH BAY COAL	MFF	76	758	-90.0%	86	-11.6%
MGN1 SWAP FUT	MGN	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	0	0	-	0	-
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	0	-	210	-100.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	485	933	-48.0%	300	61.7%
MJC FUT	MJC	0	0	-	0	-

## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>Energy Futures</b>						
MNC FUT	MNC	1,693	2,517	-32.7%	2,231	-24.1%
MONT BELVIEU ETHANE 5 DECIMAL	C0	54,134	51,742	4.6%	52,461	3.2%
MONT BELVIEU ETHANE OPIS BALMO	8C	70	1,040	-93.3%	680	-89.7%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	154,890	119,641	29.5%	151,242	2.4%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,459	1,091	33.7%	1,531	-4.7%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	30,703	37,467	-18.1%	32,070	-4.3%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	1,893	1,509	25.4%	1,485	27.5%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	60,220	49,746	21.1%	48,030	25.4%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,746	908	92.3%	1,112	57.0%
NATURAL GAS	NWM	150	0	-	0	-
NATURAL GAS PEN SWP	NP	139,220	224,208	-37.9%	141,108	-1.3%
NEPOOL INTR HUB 5MW D AH	H2	0	4,776	-100.0%	0	-
NEPOOL INTR HUB 5MW D AH	U6	0	255	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	CE	0	99	-100.0%	0	-
NEW YORK ETHANOL SWAP	EZ	1,055	1,606	-34.3%	760	38.8%
NEW YORK HUB ZONE G PEAK	GN	0	825	-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	11,958	7,310	63.6%	12,703	-5.9%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	400	-100.0%	0	-
NY HARBOR RESIDUAL FUEL 1	MM	255	405	-37.0%	250	2.0%
NYH NO 2 CRACK SPREAD CAL	HK	17,707	14,622	21.1%	16,631	6.5%
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	3,175	-100.0%	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	2,767	567	388.0%	1,564	76.9%
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-
PETROCHEMICALS	22	123	102	20.6%	111	10.8%
PETROCHEMICALS	32	80	13	515.4%	20	300.0%
PETROCHEMICALS	3NA	256	52	392.3%	55	365.5%
PETROCHEMICALS	51	0	0	-	0	-
PETROCHEMICALS	81	40	0	-	45	-11.1%
PETROCHEMICALS	8I	5,664	7,057	-19.7%	5,315	6.6%
PETROCHEMICALS	91	1,030	970	6.2%	980	5.1%
PETROCHEMICALS	MAA	310	140	121.4%	460	-32.6%
PETROCHEMICALS	MAE	1,996	2,065	-3.3%	1,969	1.4%
PETROCHEMICALS	MAS	412	910	-54.7%	438	-5.9%
PETROCHEMICALS	MBE	50	40	25.0%	100	-50.0%
PETROCHEMICALS	MNB	0	0	-	0	-
PETROCHEMICALS	MPS	2,254	1,242	81.5%	2,292	-1.7%
PETROCHEMICALS	PMF	0	10	-100.0%	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STS	0	0	-	0	-
PETRO CRCKS & SPRDS NA	CRB	13,006	19,997	-35.0%	12,599	3.2%
PETRO CRCKS & SPRDS NA	EXR	751	1,046	-28.2%	581	29.3%
PETRO CRCKS & SPRDS NA	FOC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GBB	0	200	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GCI	0	150	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GCU	96	75	28.0%	0	-
PETRO CRCKS & SPRDS NA	GFC	225	0	-	0	-

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
Energy Futures						
PETRO CRCKS & SPRDS NA	HOB	1,250	1,780	-29.8%	1,300	-3.8%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	2,135	3,203	-33.3%	1,760	21.3%
PETRO CRCKS & SPRDS NA	RVG	7,880	9,898	-20.4%	7,566	4.2%
PETRO CRCKS & SPRDS NA	SF3	12	0	-	0	-
PETRO CRK&SPRD EURO	1NB	573	850	-32.6%	573	0.0%
PETRO CRK&SPRD EURO	43	0	0	-	20	-100.0%
PETRO CRK&SPRD EURO	BOB	141	485	-70.9%	189	-25.4%
PETRO CRK&SPRD EURO	EOB	0	15	-100.0%	0	-
PETRO CRK&SPRD EURO	EPN	797	821	-2.9%	648	23.0%
PETRO CRK&SPRD EURO	EVC	285	215	32.6%	285	0.0%
PETRO CRK&SPRD EURO	GOC	0	6	-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	426	433	-1.6%	294	44.9%
PETROLEUM PRODUCTS	1NM	0	50	-100.0%	0	-
PETROLEUM PRODUCTS	BEB	0	0	-	0	-
PETROLEUM PRODUCTS	BEF	0	0	-	0	-
PETROLEUM PRODUCTS	CMS	450	190	136.8%	770	-41.6%
PETROLEUM PRODUCTS	EWG	536	2,596	-79.4%	571	-6.1%
PETROLEUM PRODUCTS	H5F	125	100	25.0%	175	-28.6%
PETROLEUM PRODUCTS	JCC	7,964	5,177	53.8%	10,320	-22.8%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	0	-
PETROLEUM PRODUCTS	R5F	115	172	-33.1%	127	-9.4%
PETROLEUM PRODUCTS	S53	8	12	-33.3%	9	-11.1%
PETROLEUM PRODUCTS	UCS	0	0	-	0	-
PETROLEUM PRODUCTS	UP5	0	0	-	0	-
PETROLEUM PRODUCTS	VU	0	300	-100.0%	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	20	-100.0%	5	-100.0%
PETROLEUM PRODUCTS ASIA	MJN	606	1,579	-61.6%	904	-33.0%
PETRO OUTRIGHT EURO	0B	0	112	-100.0%	0	-
PETRO OUTRIGHT EURO	0C	0	0	-	0	-
PETRO OUTRIGHT EURO	0D	88	120	-26.7%	103	-14.6%
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	10	0	-	0	-
PETRO OUTRIGHT EURO	7I	0	0	-	0	-
PETRO OUTRIGHT EURO	7R	0	5	-100.0%	0	-
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTRIGHT EURO	CPB	76	135	-43.7%	405	-81.2%
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-
PETRO OUTRIGHT EURO	ENS	0	0	-	0	-
PETRO OUTRIGHT EURO	EWN	1,144	496	130.6%	1,265	-9.6%
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	2,196	3,055	-28.1%	2,275	-3.5%
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
Energy Futures						
PETRO OUTRIGHT EURO	MBN	2,320	2,709	-14.4%	1,823	27.3%
PETRO OUTRIGHT EURO	MEF	30	200	-85.0%	30	0.0%
PETRO OUTRIGHT EURO	MQA	182	53	243.4%	198	-8.1%
PETRO OUTRIGHT EURO	R53	0	24	-100.0%	0	-
PETRO OUTRIGHT EURO	R5B	0	0	-	0	-
PETRO OUTRIGHT EURO	R5M	2,827	3,546	-20.3%	3,202	-11.7%
PETRO OUTRIGHT EURO	R5O	1,314	2,913	-54.9%	1,610	-18.4%
PETRO OUTRIGHT EURO	RBM	19	6	216.7%	5	280.0%
PETRO OUTRIGHT EURO	S5B	0	0	-	0	-
PETRO OUTRIGHT EURO	S5F	441	204	116.2%	545	-19.1%
PETRO OUTRIGHT EURO	S5M	2,948	3,057	-3.6%	2,845	3.6%
PETRO OUTRIGHT EURO	S5O	796	4,513	-82.4%	877	-9.2%
PETRO OUTRIGHT EURO	SMU	0	0	-	0	-
PETRO OUTRIGHT EURO	SR5	160	0	-	192	-16.7%
PETRO OUTRIGHT EURO	TLB	0	0	-	0	-
PETRO OUTRIGHT EURO	ULB	0	0	-	50	-100.0%
PETRO OUTRIGHT EURO	V0	0	0	-	0	-
PETRO OUTRIGHT NA	A8B	130	485	-73.2%	260	-50.0%
PETRO OUTRIGHT NA	AB6	785	435	80.5%	505	55.4%
PETRO OUTRIGHT NA	BCR	735	1,475	-50.2%	575	27.8%
PETRO OUTRIGHT NA	FCB	0	0	-	0	-
PETRO OUTRIGHT NA	JE	0	80	-100.0%	0	-
PETRO OUTRIGHT NA	JET	3,730	325	1,047.7%	2,550	46.3%
PETRO OUTRIGHT NA	JTB	300	155	93.5%	0	-
PETRO OUTRIGHT NA	MBL	367	340	7.9%	370	-0.8%
PETRO OUTRIGHT NA	MEN	128	20	540.0%	29	341.4%
PETRO OUTRIGHT NA	MEO	282	354	-20.3%	213	32.4%
PETRO OUTRIGHT NA	MFD	0	0	-	0	-
PETRO OUTRIGHT NA	MMF	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	0	13,765	-100.0%	0	-
PJM AD HUB 5MW REAL TIME	Z9	0	745	-100.0%	0	-
PJM DAILY	JD	126	284	-55.6%	126	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	0	-	0	-
PJM NI HUB 5MW REAL TIME	B6	0	0	-	0	-
PJM WESTH RT OFF-PEAK	N9	0	123,885	-100.0%	0	-
PJM WESTH RT PEAK	L1	9,324	27,000	-65.5%	10,710	-12.9%
PLASTICS	PGP	4,092	3,569	14.7%	3,593	13.9%
PREMIUM UNLD 10P FOB MED	3G	10	120	-91.7%	15	-33.3%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	650	1,279	-49.2%	1,004	-35.3%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	54,400	40,797	33.3%	45,033	20.8%
RBOB CALENDAR SWAP	RL	15,092	12,955	16.5%	18,305	-17.6%
RBOB CRACK SPREAD	RM	10,176	17,125	-40.6%	6,196	64.2%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	100	-100.0%
RBOB GASOLINE BALMO CLNDR	1D	2,058	4,002	-48.6%	717	187.0%
RBOB PHY	MRB	2	0	-	0	-
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB VS HEATING OIL SWAP	RH	230	375	-38.7%	255	-9.8%
SINGAPORE 180CST BALMO	BS	6	0	-	0	-
SINGAPORE 380CST BALMO	BT	0	0	-	0	-
SINGAPORE 380CST FUEL OIL	SE	363	419	-13.4%	395	-8.1%
SINGAPORE FUEL 180CST CAL	UA	3	0	-	3	0.0%
SINGAPORE FUEL OIL 180 CS	GMS	0	0	-	0	-



## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>Energy Futures</b>						
SINGAPORE FUEL OIL SPREAD	SD	81	0	-	81	0.0%
SINGAPORE GASOIL	MAF	11	1,026	-98.9%	6	83.3%
SINGAPORE GASOIL	MTB	0	30	-100.0%	0	-
SINGAPORE GASOIL	MTS	301	651	-53.8%	268	12.3%
SINGAPORE GASOIL	SBM	0	55	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	MSG	78	241	-67.6%	79	-1.3%
SINGAPORE GASOIL SWAP	SG	461	1,536	-70.0%	900	-48.8%
SINGAPORE GASOIL VS ICE	GA	1,510	4,660	-67.6%	1,704	-11.4%
SINGAPORE JET KERO GASOIL	RK	1,328	3,602	-63.1%	1,485	-10.6%
SINGAPORE JET KEROSENE SW	KS	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	800	377	112.2%	300	166.7%
TC2 ROTTERDAM TO USAC 37K	TM	172	140	22.9%	172	0.0%
TC5 RAS TANURA TO YOKOHAM	TH	80	150	-46.7%	90	-11.1%
TD3 MEG TO JAPAN 250K MT	TL	1,780	3,945	-54.9%	1,845	-3.5%
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	7,325	9,582	-23.6%	5,552	31.9%
UP DOWN GC ULSD VS NMX HO	LT	38,980	35,124	11.0%	43,168	-9.7%
WTI-BRENT CALENDAR SWAP	BK	116,580	102,637	13.6%	115,093	1.3%
WTI CALENDAR	CS	141,336	160,150	-11.7%	143,365	-1.4%
WTI MIDLAND CRUDE OIL	WTL	930	0	-	1,100	-15.5%
WTS (ARGUS) VS WTI SWAP	FF	18,766	28,266	-33.6%	19,541	-4.0%
WTS (ARGUS) VS WTI TRD MT	FH	2,094	8,345	-74.9%	2,114	-0.9%
<b>Energy Options</b>						
BRENT CALENDAR SWAP	BA	2,812	3,160	-11.0%	2,349	19.7%
BRENT CRUDE OIL 1 M CSO	9C	5,250	4,050	29.6%	6,300	-16.7%
BRENT OIL LAST DAY	BE	30,467	59,969	-49.2%	30,465	0.0%
BRENT OIL LAST DAY	BZO	17,521	65,122	-73.1%	13,228	32.5%
COAL API2 INDEX	F2C	205	365	-43.8%	190	7.9%
COAL API2 INDEX	F2Q	0	0	-	0	-
CRUDE OIL	6Y	0	0	-	0	-
CRUDE OIL 1MO	WA	167,250	179,833	-7.0%	183,600	-8.9%
CRUDE OIL APO	AO	165,012	240,351	-31.3%	167,781	-1.7%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-
CRUDE OIL OUTRIGHTS	ECCL	0	0	-	0	0.0%
CRUDE OIL PHY	LC	42,118	105,752	-60.2%	42,466	-0.8%
CRUDE OIL PHY	LO	2,177,634	2,069,885	5.2%	2,402,381	-9.4%
CRUDE OIL PHY	LO1	16,461	6,858	140.0%	9,369	75.7%
CRUDE OIL PHY	LO2	7,516	1,093	587.6%	1,415	431.2%
CRUDE OIL PHY	LO3	1,050	290	262.1%	146	619.2%
CRUDE OIL PHY	LO4	65	0	0.0%	0	0.0%
CRUDE OIL PHY	LO5	0	0	-	0	-
CRUDE OIL PHY	MCO	6,359	0	-	5,958	6.7%
CRUDE OIL PHY	MW1	548	0	-	273	100.7%
CRUDE OIL PHY	MW2	164	0	-	0	-
CRUDE OIL PHY	MW3	0	0	-	0	-
CRUDE OIL PHY	MW4	0	0	-	0	0.0%
CRUDE OIL PHY	MW5	0	0	-	0	-
ELEC FINSETTLED	PJN	0	43	-100.0%	0	-
ETHANOL SWAP	CVR	5,810	6,794	-14.5%	4,412	31.7%
ETHANOL SWAP	GVR	0	0	-	0	-

## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>Energy Options</b>						
FREIGHT MARKETS	FLO	0	30	-100.0%	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	2,250	-100.0%	0	-
HEATING OIL PHY	FZ	0	0	-	0	-
HEATING OIL PHY	LB	102	585	-82.6%	52	96.2%
HEATING OIL PHY	OH	8,849	10,873	-18.6%	14,219	-37.8%
HENRY HUB FINANCIAL LAST	E7	44,505	30,828	44.4%	43,062	3.4%
HENRY HUB FINANCIAL LAST	ECNG	0	0	-	0	0.0%
HO 1 MONTH CLNDR OPTIONS	FA	0	1,800	-100.0%	0	0.0%
LLS CRUDE OIL	HTO	600	1,200	-50.0%	700	-14.3%
LLS CRUDE OIL	WTO	5,250	1,800	191.7%	5,625	-6.7%
MCCLOSKEY ARA ARGS COAL	MTO	0	160	-100.0%	0	-
NATURAL GAS	LN1	108	50	116.0%	0	-
NATURAL GAS	LN2	0	0	-	0	-
NATURAL GAS	LN3	0	0	-	0	-
NATURAL GAS	LN4	0	0	0.0%	0	-
NATURAL GAS	LN5	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	G4	97,250	96,275	1.0%	76,200	27.6%
NATURAL GAS 2 M CSO FIN	G2	250	3,050	-91.8%	0	-
NATURAL GAS 3 M CSO FIN	G3	153,365	95,425	60.7%	152,575	0.5%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	G6	0	6,000	-100.0%	0	-
NATURAL GAS OPT	JFO	75	0	-	100	-25.0%
NATURAL GAS OPT	JKO	300	5,075	-94.1%	400	-25.0%
NATURAL GAS OPT	TFO	0	900	-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	3,159,202	3,233,113	-2.3%	3,206,208	-1.5%
NATURAL GAS PHY	ON	50,741	48,497	4.6%	43,805	15.8%
NATURAL GAS PHY	ON3	0	0	-	0	-
NATURAL GAS SUMMER STRIP	4D	0	0	-	0	-
NY HARBOR HEAT OIL SWP	AT	16,061	6,878	133.5%	15,886	1.1%
PETROCHEMICALS	4H	2,716	3,922	-30.7%	2,915	-6.8%
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	110	1,060	-89.6%	90	22.2%
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	0	-	0	-
RBOB CALENDAR SWAP	RA	112	1,144	-90.2%	128	-12.5%
RBOB PHY	OB	4,091	5,469	-25.2%	5,202	-21.4%
RBOB PHY	RF	42	820	-94.9%	21	100.0%
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	-
SHORT TERM	U25	0	0	-	0	-



## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
Energy Options						
SHORT TERM	U26	0	0	-	0	-
SHORT TERM NATURAL GAS	U01	0	50	-100.0%	0	-
SHORT TERM NATURAL GAS	U02	150	0	-	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	-
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	-
WTI-BRENT BULLET SWAP	BV	89,125	154,401	-42.3%	103,700	-14.1%
WTI CRUDE OIL 1 M CSO FI	7A	244,630	147,505	65.8%	254,085	-3.7%
Metals Futures						
COMEX GOLD	GC	445,179	513,722	-13.3%	475,817	-6.4%
NYMEX HOT ROLLED STEEL	HR	29,307	24,575	19.3%	25,322	15.7%
NYMEX PLATINUM	PL	69,102	67,964	1.7%	73,107	-5.5%
PALLADIUM	PA	11,006	6,538	68.3%	12,521	-12.1%
URANIUM	UX	0	800	-100.0%	0	-
COMEX SILVER	SI	133,598	147,301	-9.3%	140,253	-4.7%
COMEX E-Mini GOLD	QO	1,033	1,446	-28.6%	1,084	-4.7%
COMEX E-Mini SILVER	QI	446	468	-4.7%	337	32.3%
COMEX COPPER	HG	225,332	189,923	18.6%	196,596	14.6%
COMEX MINY COPPER	QC	423	373	13.4%	364	16.2%
ALUMINUM	A38	0	0	-	0	-
ALUMINUM	AEP	7,406	7,198	2.9%	8,416	-12.0%
ALUMINUM	ALA	500	1,615	-69.0%	540	-7.4%
ALUMINUM	ALI	3,094	501	517.6%	3,537	-12.5%
ALUMINUM	AUP	27,489	24,234	13.4%	27,788	-1.1%
ALUMINUM	EDP	18,019	16,040	12.3%	17,439	3.3%
ALUMINUM	MJP	980	3,236	-69.7%	1,085	-9.7%
COBALT METAL FUTURES	COB	20,897	2,385	776.2%	20,357	2.7%
COBALT METAL FUTURES	MOX	308	0	-	202	52.5%
COPPER	HGS	15,227	14,439	5.5%	16,582	-8.2%
COPPER	MHG	2,988	446	570.0%	2,136	39.9%
FERROUS PRODUCTS	BUS	5,060	6,406	-21.0%	5,894	-14.1%
FERROUS PRODUCTS	FSF	62	0	-	25	148.0%
GOLD	4GC	0	0	-	0	-
GOLD	SGC	345	199	73.4%	339	1.8%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
Metals Futures						
GOLD	SGU	394	840	-53.1%	422	-6.6%
HOT ROLLED COIL STEEL FUTURES	EHR	6,504	1,804	260.5%	6,680	-2.6%
IRON ORE CHINA	TIO	0	1,600	-100.0%	171	-100.0%
METALS	HDG	955	231	313.4%	955	0.0%
METALS	LTH	1,687	2	84,250.0%	1,539	9.6%
METALS	PAC	0	0	-	0	-
MICRO GOLD	MGC	27,422	22,959	19.4%	21,809	25.7%
SILVER	SIL	9,153	6,843	33.8%	8,626	6.1%
Metals Options						
ALUMINUM	ALO	0	0	-	0	-
ALUMINUM	AX	846	0	-	481	75.9%
COMEX COPPER	HX	88,420	65,009	36.0%	98,635	-10.4%
COMEX GOLD	ECGC	0	0	-	0	0.0%
COMEX GOLD	OG	789,744	696,174	13.4%	849,729	-7.1%
COMEX SILVER	ECSI	0	0	-	0	0.0%
COMEX SILVER	SO	120,599	106,313	13.4%	120,854	-0.2%
COPPER	ECHG	0	0	-	0	0.0%
COPPER	H1E	337	29	1,062.1%	148	127.7%
COPPER	H1M	126	1	12,500.0%	34	270.6%
COPPER	H1W	181	50	262.0%	68	166.2%
COPPER	H2E	37	53	-30.2%	20	85.0%
COPPER	H2M	64	24	166.7%	12	433.3%
COPPER	H2W	10	11	-9.1%	59	-83.1%
COPPER	H3E	70	78	-10.3%	20	250.0%
COPPER	H3M	0	0	-	7	-100.0%
COPPER	H3W	58	7	728.6%	20	190.0%
COPPER	H4E	2	0	0.0%	0	0.0%
COPPER	H4M	34	0	-	0	-
COPPER	H4W	0	0	-	0	-
COPPER	H5E	0	0	-	0	-
COPPER	H5M	0	0	-	0	-
COPPER	H5W	0	0	-	0	-
GOLD	G1M	5,695	1,188	379.4%	4,006	42.2%
GOLD	G1W	1,707	2,236	-23.7%	2,969	-42.5%
GOLD	G2M	3,633	652	457.2%	2,078	74.8%
GOLD	G2W	1,581	476	232.1%	1,080	46.4%
GOLD	G3M	0	49	-100.0%	519	-100.0%
GOLD	G3W	356	553	-35.6%	238	49.6%
GOLD	G4M	736	0	-	137	437.2%
GOLD	G4W	0	235	-100.0%	1	-100.0%
GOLD	G5M	0	0	-	0	-
GOLD	G5W	0	0	-	0	-
GOLD	OG1	16,565	14,064	17.8%	13,903	19.1%
GOLD	OG2	5,805	5,947	-2.4%	5,296	9.6%
GOLD	OG3	3,051	996	206.3%	725	320.8%
GOLD	OG4	92	31	196.8%	0	0.0%
GOLD	OG5	0	0	-	0	-
IRON ORE CHINA	ICT	0	0	-	0	-
NYMEX HOT ROLLED STEEL	HRO	8,405	3,156	166.3%	7,700	9.2%
NYMEX PLATINUM	PO	34,812	13,133	165.1%	27,360	27.2%
PALLADIUM	PAO	1,337	2	66,750.0%	1,942	-31.2%
SILVER	M1S	1,446	45	3,113.3%	920	57.2%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>Metals Options</b>						
SILVER	M2S	761	115	561.7%	459	65.8%
SILVER	M3S	0	6	-100.0%	102	-100.0%
SILVER	M4S	231	0	-	15	1,440.0%
SILVER	M5S	0	0	-	0	-
SILVER	SO1	1,941	1,390	39.6%	1,276	52.1%
SILVER	SO2	4,212	544	674.3%	540	680.0%
SILVER	SO3	184	306	-39.9%	161	14.3%
SILVER	SO4	2	2	0.0%	0	0.0%
SILVER	SO5	0	0	-	0	-
SILVER	W1S	425	198	114.6%	1,249	-66.0%
SILVER	W2S	304	57	433.3%	98	210.2%
SILVER	W3S	10	86	-88.4%	128	-92.2%
SILVER	W4S	0	58	-100.0%	14	-100.0%
SILVER	W5S	0	0	-	0	-
<b>TOTAL FUTURES GROUP</b>						
Ag Products Futures		0	0	-	0	-
Energy Futures		6,793,753	6,671,267	1.8%	6,589,024	3.1%
Metals Futures		1,063,916	1,064,088	0.0%	1,069,943	-0.6%
<b>TOTAL FUTURES</b>		<b>7,857,669</b>	<b>7,735,355</b>	<b>1.6%</b>	<b>7,658,967</b>	<b>2.6%</b>
<b>TOTAL OPTIONS GROUP</b>						
Energy Options		6,524,100	6,610,689	-1.3%	6,795,530	-4.0%
Metals Options		1,093,819	913,274	19.8%	1,143,003	-4.3%
<b>TOTAL OPTIONS</b>		<b>7,617,919</b>	<b>7,523,963</b>	<b>1.2%</b>	<b>7,938,533</b>	<b>-4.0%</b>
<b>TOTAL COMBINED</b>						
Ag Products		0	0	-	0	-
Energy		13,317,853	13,281,956	0.3%	13,384,554	-0.5%
Metals		2,157,735	1,977,362	9.1%	2,212,946	-2.5%
<b>GRAND TOTAL</b>		<b>15,475,588</b>	<b>15,259,318</b>	<b>1.4%</b>	<b>15,597,500</b>	<b>-0.8%</b>