

NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest APR 2023	Open Interest APR 2022	% CHG	Open Interest MAR 2023	% CHG
Ag Products Futures						
COFFEE	KT	0	0	-	0	-
Energy Futures						
CRUDE OIL PHY	CL	1,881,769	1,752,306	7.4%	1,838,157	2.4%
CRUDE OIL	WS	0	0	-	0	-
MINY WTI CRUDE OIL	QM	4,966	3,965	25.2%	6,264	-20.7%
BRENT OIL LAST DAY	BZ	144,631	191,039	-24.3%	163,222	-11.4%
HEATING OIL PHY	HO	280,370	228,673	22.6%	269,793	3.9%
HTG OIL	BH	111	100	11.0%	72	54.2%
MINY HTG OIL	QH	0	2	-100.0%	1	-100.0%
RBOB PHY	RB	293,880	303,635	-3.2%	307,895	-4.6%
MINY RBOB GAS	QU	4	2	100.0%	4	0.0%
NATURAL GAS	HP	190,726	230,841	-17.4%	200,820	-5.0%
LTD NAT GAS	HH	383,702	438,940	-12.6%	392,200	-2.2%
MINY NATURAL GAS	QG	11,281	5,531	104.0%	14,367	-21.5%
NATURAL GAS PHY	NG	1,303,690	1,138,495	14.5%	1,338,812	-2.6%
RBOB GAS	RT	78	73	6.8%	48	62.5%
AEP-DAYTON HUB DAILY	VD	0	10	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	E5	7,315	9,879	-26.0%	7,250	0.9%
ARGUS PROPAN FAR EST INDE	7E	6,159	4,942	24.6%	6,135	0.4%
ARGUS PROPAN(SAUDI ARAMCO	9N	1,877	1,904	-1.4%	2,294	-18.2%
BRENT BALMO SWAP	J9	0	0	-	0	-
BRENT CALENDAR SWAP	CY	29,809	41,114	-27.5%	30,571	-2.5%
BRENT FINANCIAL FUTURES	BB	0	0	-	0	-
BRENT FINANCIAL FUTURES	MBC	210	0	-	210	0.0%
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	19,364	3,154	514.0%	17,111	13.2%
CAR VINTAGE	NGO	12,288	17,672	-30.5%	12,241	0.4%
CHICAGO ETHANOL SWAP	CU	36,496	33,208	9.9%	34,607	5.5%
CHICAGO ULSD PL VS HO SPR	5C	2,615	1,838	42.3%	2,465	6.1%
CHICAGO UNL GAS PL VS RBO	3C	0	75	-100.0%	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	444	1,854	-76.1%	398	11.6%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	571	839	-31.9%	303	88.4%
CONWAY PROPANE 5 DECIMALS SWAP	8K	22,665	18,810	20.5%	24,185	-6.3%
CRUDE OIL	LPS	0	0	-	0	-
CRUDE OIL LAST DAY	26	2,100	0	-	2,400	-12.5%
CRUDE OIL OUTRIGHTS	42	314	709	-55.7%	451	-30.4%
CRUDE OIL OUTRIGHTS	CC5	0	1,950	-100.0%	0	-
CRUDE OIL OUTRIGHTS	CSW	0	420	-100.0%	0	-
CRUDE OIL OUTRIGHTS	GSW	0	945	-100.0%	0	-
CRUDE OIL OUTRIGHTS	HTT	208,284	138,658	50.2%	209,774	-0.7%
CRUDE OIL OUTRIGHTS	LSW	0	2,377	-100.0%	0	-
CRUDE OIL OUTRIGHTS	WCW	0	7,055	-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	33,349	6,390	421.9%	40,805	-18.3%
CRUDE OIL SPRDS	ANT	1,165	2,055	-43.3%	1,345	-13.4%
CRUDE OIL SPRDS	HIL	0	5,780	-100.0%	0	-
CRUDE OIL SPRDS	WTT	205,388	115,924	77.2%	196,350	4.6%

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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	1,560	-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	1,665	2,445	-31.9%	1,850	-10.0%
DIESEL 10P BRG FOB RDM VS	7X	0	5	-100.0%	0	-
DOMINION TRANSMISSION INC	PG	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	0	1,500	-100.0%	0	-
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	2,719	5,011	-45.7%	2,675	1.6%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	A5	1,774	1,158	53.2%	1,779	-0.3%
ELEC FINSETTLED	47	0	0	-	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-
EMMISSIONS	CGO	45	56	-19.6%	56	-19.6%
ETHANOL	MTH	0	0	-	0	-
ETHANOL	Z1B	26	0	-	0	-
ETHANOL SWAP	MT2	925	730	26.7%	880	5.1%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	6,341	6,429	-1.4%	6,595	-3.9%
EURO 3.5% FUEL OIL RDAM B	KR	0	0	-	0	-
EURO GASOIL 10 CAL SWAP	GT	3	0	-	3	0.0%
EURO GASOIL 10PPM VS ICE	ET	270	893	-69.8%	300	-10.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	45	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	UV	114	209	-45.5%	146	-21.9%
EUROPEAN GASOIL (ICE)	7F	1,038	4,183	-75.2%	1,092	-4.9%
EUROPEAN NAPHTHA BALMO	KZ	3	30	-90.0%	10	-70.0%
EUROPEAN NAPHTHA CRACK SPR	EN	5,682	7,672	-25.9%	3,787	50.0%
EUROPE DATED BRENT SWAP	UB	0	10	-100.0%	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	UN	1,178	982	20.0%	1,275	-7.6%
EURO PROPANE CIF ARA SWA	PS	2,790	2,849	-2.1%	2,874	-2.9%
FREIGHT MARKETS	BF2	0	0	-	0	-
FREIGHT MARKETS	BL2	225	130	73.1%	245	-8.2%
FREIGHT MARKETS	CS3	0	0	-	0	-
FREIGHT MARKETS	CS4	90	120	-25.0%	100	-10.0%
FREIGHT MARKETS	FLJ	0	0	-	0	-
FREIGHT MARKETS	FLP	30	147	-79.6%	39	-23.1%
FREIGHT MARKETS	FRC	0	45	-100.0%	0	-
FREIGHT MARKETS	T2D	84	360	-76.7%	87	-3.4%
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	30	782	-96.2%	33	-9.1%

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Energy Futures						
FUEL OIL NWE CRACK VS ICE	FI	30	81	-63.0%	0	-
FUELOIL SWAP:CARGOES VS.B	FS	0	0	-	0	-
GAS EURO-BOB OXY NWE BARGES	7H	573	605	-5.3%	458	25.1%
GAS EURO-BOB OXY NWE BARGES CRK	7K	4,210	10,227	-58.8%	3,882	8.4%
GASOIL 0.1CIF MED VS ICE	Z5	0	45	-100.0%	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	5	-100.0%	0	-
GASOIL 0.1 ROTTERDAM BARG	VL	0	76	-100.0%	0	-
GASOIL 10PPM VS ICE SWAP	TP	12	0	-	12	0.0%
GASOIL CALENDAR SWAP	GX	85	416	-79.6%	86	-1.2%
GASOIL CRACK SPREAD CALEN	GZ	552	3,998	-86.2%	462	19.5%
GASOIL MINI CALENDAR SWAP	QA	441	1,222	-63.9%	390	13.1%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	0	162	-100.0%	0	-
GRP THREE ULSD(PLT)VS HEA	A6	8,893	8,990	-1.1%	7,948	11.9%
GRP THREE UNL GS (PLT) VS	A8	4,045	6,835	-40.8%	4,805	-15.8%
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	14,368	11,792	21.8%	12,412	15.8%
GULF COAST NO.6 FUEL OIL	MF	4,365	4,957	-11.9%	5,211	-16.2%
GULF COAST NO.6 FUEL OIL	MG	13,676	7,650	78.8%	11,617	17.7%
GULF COAST ULSD CALENDAR	LY	1,862	1,026	81.5%	1,849	0.7%
GULF COAST ULSD CRACK SPR	GY	0	0	-	0	-
HEATING OIL BALMO CLNDR S	1G	0	15	-100.0%	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	443,953	559,042	-20.6%	443,386	0.1%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-
ICE BRENT DUBAI SWAP	DB	180	1,735	-89.6%	140	28.6%
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	6	-100.0%	0	-
JAPAN C&F NAPHTHA SWAP	JA	458	338	35.5%	446	2.7%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	-	0	-
JET CIF NWE VS ICE	JC	693	1,024	-32.3%	723	-4.1%
JET FUEL UP-DOWN BALMO CL	1M	360	910	-60.4%	585	-38.5%
JKM LNG Futures	JKM	430	1,508	-71.5%	515	-16.5%
LA CARB DIESEL (OPIS) SWA	KL	1,011	1,258	-19.6%	1,345	-24.8%
LA CARBOB GASOLINE(OPIS)S	JL	150	0	-	150	0.0%
LA JET (OPIS) SWAP	JS	1,000	875	14.3%	960	4.2%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	WJ	753	2,487	-69.7%	810	-7.0%
MARS (ARGUS) VS WTI SWAP	YX	0	1,100	-100.0%	0	-
MARS (ARGUS) VS WTI TRD M	YV	11,765	24,926	-52.8%	11,075	6.2%
MCCLOSKEY ARA ARGS COAL	MTF	6,299	11,752	-46.4%	6,226	1.2%
MCCLOSKEY RCH BAY COAL	MFF	86	910	-90.5%	106	-18.9%
MGN1 SWAP FUT	MGN	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	0	5	-100.0%	0	-
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	210	0	-	0	-
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	300	894	-66.4%	303	-1.0%
MJC FUT	MJC	0	0	-	0	-

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Energy Futures						
MNC FUT	MNC	2,231	2,362	-5.5%	2,046	9.0%
MONT BELVIEU ETHANE 5 DECIMAL	C0	52,461	49,554	5.9%	53,551	-2.0%
MONT BELVIEU ETHANE OPIS BALMO	8C	680	415	63.9%	560	21.4%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	151,242	121,993	24.0%	155,130	-2.5%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,531	3,263	-53.1%	4,089	-62.6%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	32,070	36,542	-12.2%	36,274	-11.6%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	1,485	1,653	-10.2%	1,598	-7.1%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	48,030	49,465	-2.9%	45,891	4.7%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,112	1,049	6.0%	1,151	-3.4%
NATURAL GAS	NWM	0	0	-	0	-
NATURAL GAS PEN SWP	NP	141,108	211,300	-33.2%	145,683	-3.1%
NEPOOL INTR HUB 5MW D AH	H2	0	5,880	-100.0%	0	-
NEPOOL INTR HUB 5MW D AH	U6	0	321	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	CE	0	96	-100.0%	0	-
NEW YORK ETHANOL SWAP	EZ	760	1,441	-47.3%	847	-10.3%
NEW YORK HUB ZONE G PEAK	GN	0	800	-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	12,703	7,633	66.4%	10,099	25.8%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	450	-100.0%	0	-
NY HARBOR RESIDUAL FUEL 1	MM	250	400	-37.5%	275	-9.1%
NYH NO 2 CRACK SPREAD CAL	HK	16,631	15,600	6.6%	8,010	107.6%
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	3,725	-100.0%	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	1,564	109	1,334.9%	2,341	-33.2%
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-
PETROCHEMICALS	22	111	92	20.7%	77	44.2%
PETROCHEMICALS	32	20	53	-62.3%	67	-70.1%
PETROCHEMICALS	3NA	55	62	-11.3%	25	120.0%
PETROCHEMICALS	51	0	0	-	0	-
PETROCHEMICALS	81	45	364	-87.6%	50	-10.0%
PETROCHEMICALS	8I	5,315	7,381	-28.0%	5,009	6.1%
PETROCHEMICALS	91	980	1,011	-3.1%	844	16.1%
PETROCHEMICALS	MAA	460	130	253.8%	70	557.1%
PETROCHEMICALS	MAE	1,969	2,113	-6.8%	1,979	-0.5%
PETROCHEMICALS	MAS	438	965	-54.6%	588	-25.5%
PETROCHEMICALS	MBE	100	50	100.0%	160	-37.5%
PETROCHEMICALS	MNB	0	0	-	0	-
PETROCHEMICALS	MPS	2,292	1,254	82.8%	2,305	-0.6%
PETROCHEMICALS	PMF	0	12	-100.0%	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STS	0	0	-	0	-
PETRO CRCKS & SPRDS NA	CRB	12,599	21,396	-41.1%	14,634	-13.9%
PETRO CRCKS & SPRDS NA	EXR	581	1,211	-52.0%	469	23.9%
PETRO CRCKS & SPRDS NA	FOC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GBB	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCI	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCU	0	275	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GFC	0	0	-	550	-100.0%

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Energy Futures						
PETRO CRCKS & SPRDS NA	HOB	1,300	1,873	-30.6%	1,300	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	1,760	3,169	-44.5%	1,085	62.2%
PETRO CRCKS & SPRDS NA	RVG	7,566	10,326	-26.7%	7,771	-2.6%
PETRO CRK&SPRD EURO	1NB	573	1,155	-50.4%	507	13.0%
PETRO CRK&SPRD EURO	43	20	25	-20.0%	0	-
PETRO CRK&SPRD EURO	BOB	189	566	-66.6%	195	-3.1%
PETRO CRK&SPRD EURO	EOB	0	15	-100.0%	0	-
PETRO CRK&SPRD EURO	EPN	648	846	-23.4%	617	5.0%
PETRO CRK&SPRD EURO	EVC	285	270	5.6%	285	0.0%
PETRO CRK&SPRD EURO	GOC	0	9	-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	294	376	-21.8%	236	24.6%
PETROLEUM PRODUCTS	1NM	0	0	-	0	-
PETROLEUM PRODUCTS	BEB	0	0	-	0	-
PETROLEUM PRODUCTS	BEF	0	0	-	0	-
PETROLEUM PRODUCTS	CMS	770	290	165.5%	670	14.9%
PETROLEUM PRODUCTS	EWG	571	2,451	-76.7%	505	13.1%
PETROLEUM PRODUCTS	H5F	175	50	250.0%	150	16.7%
PETROLEUM PRODUCTS	JCC	10,320	5,096	102.5%	10,636	-3.0%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	0	-
PETROLEUM PRODUCTS	R5F	127	176	-27.8%	147	-13.6%
PETROLEUM PRODUCTS	S53	9	12	-25.0%	10	-10.0%
PETROLEUM PRODUCTS	UCS	0	0	-	0	-
PETROLEUM PRODUCTS	UP5	0	0	-	0	-
PETROLEUM PRODUCTS	VU	0	500	-100.0%	0	-
PETROLEUM PRODUCTS ASIA	E6M	5	0	-	10	-50.0%
PETROLEUM PRODUCTS ASIA	MJN	904	1,201	-24.7%	1,032	-12.4%
PETRO OUTRIGHT EURO	OB	0	126	-100.0%	0	-
PETRO OUTRIGHT EURO	OC	0	0	-	0	-
PETRO OUTRIGHT EURO	OD	103	134	-23.1%	126	-18.3%
PETRO OUTRIGHT EURO	OE	0	0	-	0	-
PETRO OUTRIGHT EURO	OF	0	9	-100.0%	0	-
PETRO OUTRIGHT EURO	1T	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	0	0	-	30	-100.0%
PETRO OUTRIGHT EURO	7I	0	50	-100.0%	0	-
PETRO OUTRIGHT EURO	7R	0	0	-	0	-
PETRO OUTRIGHT EURO	CBB	0	0	-	5	-100.0%
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTRIGHT EURO	CPB	405	70	478.6%	350	15.7%
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-
PETRO OUTRIGHT EURO	ENS	0	0	-	0	-
PETRO OUTRIGHT EURO	EWN	1,265	417	203.4%	1,060	19.3%
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	2,275	3,698	-38.5%	2,248	1.2%
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTRIGHT EURO	MBN	1,823	2,498	-27.0%	1,450	25.7%

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Energy Futures						
PETRO OUTRIGHT EURO	MEF	30	235	-87.2%	40	-25.0%
PETRO OUTRIGHT EURO	MQA	198	71	178.9%	251	-21.1%
PETRO OUTRIGHT EURO	R53	0	27	-100.0%	0	-
PETRO OUTRIGHT EURO	R5B	0	0	-	0	-
PETRO OUTRIGHT EURO	R5M	3,202	4,177	-23.3%	3,409	-6.1%
PETRO OUTRIGHT EURO	R5O	1,610	3,703	-56.5%	1,782	-9.7%
PETRO OUTRIGHT EURO	RBM	5	10	-50.0%	35	-85.7%
PETRO OUTRIGHT EURO	S5B	0	0	-	0	-
PETRO OUTRIGHT EURO	S5F	545	235	131.9%	501	8.8%
PETRO OUTRIGHT EURO	S5M	2,845	3,329	-14.5%	2,983	-4.6%
PETRO OUTRIGHT EURO	S5O	877	4,863	-82.0%	1,074	-18.3%
PETRO OUTRIGHT EURO	SMU	0	0	-	0	-
PETRO OUTRIGHT EURO	SR5	192	0	-	196	-2.0%
PETRO OUTRIGHT EURO	TLB	0	0	-	0	-
PETRO OUTRIGHT EURO	ULB	50	0	-	0	-
PETRO OUTRIGHT EURO	V0	0	0	-	0	-
PETRO OUTRIGHT NA	A8B	260	505	-48.5%	0	-
PETRO OUTRIGHT NA	AB6	505	100	405.0%	25	1,920.0%
PETRO OUTRIGHT NA	BCR	575	530	8.5%	1,100	-47.7%
PETRO OUTRIGHT NA	FCB	0	0	-	0	-
PETRO OUTRIGHT NA	JE	0	90	-100.0%	0	-
PETRO OUTRIGHT NA	JET	2,550	525	385.7%	1,650	54.5%
PETRO OUTRIGHT NA	JTB	0	475	-100.0%	150	-100.0%
PETRO OUTRIGHT NA	MBL	370	375	-1.3%	275	34.5%
PETRO OUTRIGHT NA	MEN	29	65	-55.4%	20	45.0%
PETRO OUTRIGHT NA	MEO	213	352	-39.5%	135	57.8%
PETRO OUTRIGHT NA	MFD	0	0	-	0	-
PETRO OUTRIGHT NA	MMF	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	0	15,805	-100.0%	0	-
PJM AD HUB 5MW REAL TIME	Z9	0	850	-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	142,245	-100.0%	0	-
PJM WESTH RT PEAK	L1	10,710	29,982	-64.3%	11,970	-10.5%
PLASTICS	PGP	3,593	3,758	-4.4%	3,782	-5.0%
PREMIUM UNLD 10P FOB MED	3G	15	135	-88.9%	15	0.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,004	1,217	-17.5%	1,466	-31.5%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	45,033	43,549	3.4%	40,239	11.9%
RBOB CALENDAR SWAP	RL	18,305	12,497	46.5%	18,713	-2.2%
RBOB CRACK SPREAD	RM	6,196	18,139	-65.8%	4,840	28.0%
RBOB CRACK SPREAD BALMO S	1E	100	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	717	469	52.9%	1,055	-32.0%
RBOB PHY	MRB	0	0	-	0	-
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB VS HEATING OIL SWAP	RH	255	375	-32.0%	280	-8.9%
SINGAPORE 180CST BALMO	BS	0	0	-	4	-100.0%
SINGAPORE 380CST BALMO	BT	0	1	-100.0%	0	-
SINGAPORE 380CST FUEL OIL	SE	395	509	-22.4%	258	53.1%
SINGAPORE FUEL 180CST CAL	UA	3	0	-	3	0.0%
SINGAPORE FUEL OIL 180 CS	GMS	0	0	-	0	-
SINGAPORE FUEL OIL SPREAD	SD	81	0	-	94	-13.8%

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest APR 2023	Open Interest APR 2022	% CHG	Open Interest MAR 2023	% CHG
Energy Futures						
SINGAPORE GASOIL	MAF	6	1,209	-99.5%	6	0.0%
SINGAPORE GASOIL	MTB	0	85	-100.0%	0	-
SINGAPORE GASOIL	MTS	268	712	-62.4%	296	-9.5%
SINGAPORE GASOIL	SBM	0	70	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	MSG	79	367	-78.5%	73	8.2%
SINGAPORE GASOIL SWAP	SG	900	1,556	-42.2%	1,200	-25.0%
SINGAPORE GASOIL VS ICE	GA	1,704	5,070	-66.4%	1,926	-11.5%
SINGAPORE JET KERO GASOIL	RK	1,485	3,745	-60.3%	1,692	-12.2%
SINGAPORE JET KEROSENE SW	KS	0	175	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	0	-	100	-100.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	300	300	0.0%	250	20.0%
TC2 ROTTERDAM TO USAC 37K	TM	172	129	33.3%	222	-22.5%
TC5 RAS TANURA TO YOKOHAM	TH	90	150	-40.0%	100	-10.0%
TD3 MEG TO JAPAN 250K MT	TL	1,845	4,265	-56.7%	1,910	-3.4%
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	5,552	5,174	7.3%	8,634	-35.7%
UP DOWN GC ULSD VS NMX HO	LT	43,168	33,398	29.3%	29,474	46.5%
WTI-BRENT CALENDAR SWAP	BK	115,093	109,473	5.1%	107,194	7.4%
WTI CALENDAR	CS	143,365	172,484	-16.9%	143,873	-0.4%
WTI MIDLAND CRUDE OIL	WTL	1,100	0	-	790	39.2%
WTS (ARGUS) VS WTI SWAP	FF	19,541	29,515	-33.8%	15,216	28.4%
WTS (ARGUS) VS WTI TRD MT	FH	2,114	8,455	-75.0%	2,410	-12.3%
Energy Options						
BRENT CALENDAR SWAP	BA	2,349	2,858	-17.8%	2,440	-3.7%
BRENT CRUDE OIL 1 M CSO	9C	6,300	5,650	11.5%	12,350	-49.0%
BRENT OIL LAST DAY	BE	30,465	58,024	-47.5%	29,907	1.9%
BRENT OIL LAST DAY	BZO	13,228	64,473	-79.5%	24,175	-45.3%
COAL API2 INDEX	F2C	190	305	-37.7%	90	111.1%
COAL API2 INDEX	F2Q	0	0	-	0	-
CRUDE OIL	6Y	0	0	-	0	-
CRUDE OIL 1MO	WA	183,600	183,421	0.1%	156,500	17.3%
CRUDE OIL APO	AO	167,781	254,834	-34.2%	152,964	9.7%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-
CRUDE OIL OUTRIGHTS	ECCL	0	0	-	0	0.0%
CRUDE OIL PHY	LC	42,466	136,063	-68.8%	44,106	-3.7%
CRUDE OIL PHY	LO	2,402,381	2,377,165	1.1%	2,337,196	2.8%
CRUDE OIL PHY	LO1	9,369	5,875	59.5%	11,115	-15.7%
CRUDE OIL PHY	LO2	1,415	624	126.8%	2,072	-31.7%
CRUDE OIL PHY	LO3	146	50	192.0%	67	117.9%
CRUDE OIL PHY	LO4	0	0	-	0	-
CRUDE OIL PHY	LO5	0	0	0.0%	0	0.0%
CRUDE OIL PHY	MCO	5,958	0	-	11,060	-46.1%
CRUDE OIL PHY	MW1	273	0	-	242	12.8%
CRUDE OIL PHY	MW2	0	0	-	0	-
CRUDE OIL PHY	MW3	0	0	-	0	-
CRUDE OIL PHY	MW4	0	0	-	0	-
CRUDE OIL PHY	MW5	0	0	-	0	0.0%
ELEC FINSETTLED	PJN	0	43	-100.0%	0	-
ETHANOL SWAP	CVR	4,412	7,782	-43.3%	3,475	27.0%
ETHANOL SWAP	GVR	0	0	-	0	-
FREIGHT MARKETS	FLO	0	30	-100.0%	0	-

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest APR 2023	Open Interest APR 2022	% CHG	Open Interest MAR 2023	% CHG
Energy Options						
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	52	780	-93.3%	24	116.7%
HEATING OIL PHY	OH	14,219	11,435	24.3%	16,725	-15.0%
HENRY HUB FINANCIAL LAST	E7	43,062	32,766	31.4%	42,016	2.5%
HENRY HUB FINANCIAL LAST	ECNG	0	0	-	0	0.0%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	800	-100.0%
LLS CRUDE OIL	HTO	700	1,200	-41.7%	800	-12.5%
LLS CRUDE OIL	WTO	5,625	1,050	435.7%	4,800	17.2%
MCCLOSKEY ARA ARGS COAL	MTO	0	180	-100.0%	0	-
NATURAL GAS	LN1	0	0	-	0	-
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	76,200	78,200	-2.6%	39,750	91.7%
NATURAL GAS 2 M CSO FIN	G2	0	0	-	0	-
NATURAL GAS 3 M CSO FIN	G3	152,575	67,850	124.9%	122,575	24.5%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	6,900	-100.0%
NATURAL GAS 6 M CSO FIN	G6	0	0	-	0	-
NATURAL GAS OPT	JFO	100	0	-	125	-20.0%
NATURAL GAS OPT	JKO	400	5,200	-92.3%	500	-20.0%
NATURAL GAS OPT	TFO	0	1,900	-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	-
NATURAL GAS PHY	LN	3,206,208	3,035,813	5.6%	3,307,261	-3.1%
NATURAL GAS PHY	ON	43,805	51,828	-15.5%	46,567	-5.9%
NATURAL GAS PHY	ON3	0	0	-	0	-
NATURAL GAS SUMMER STRIP	4D	0	0	-	0	-
NY HARBOR HEAT OIL SWP	AT	15,886	6,580	141.4%	12,118	31.1%
PETROCHEMICALS	4H	2,915	4,407	-33.9%	3,162	-7.8%
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	90	1,185	-92.4%	40	125.0%
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	128	219	-41.6%	144	-11.1%
RBOB PHY	OB	5,202	1,831	184.1%	4,889	6.4%
RBOB PHY	RF	21	570	-96.3%	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	-
SHORT TERM	U26	0	0	-	0	-

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest APR 2023	Open Interest APR 2022	% CHG	Open Interest MAR 2023	% CHG
Energy Options						
SHORT TERM NATURAL GAS	U01	0	0	-	0	-
SHORT TERM NATURAL GAS	U02	0	0	-	0	-
SHORT TERM NATURAL GAS	U03	0	0	-	3,900	-100.0%
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	103,700	163,650	-36.6%	120,550	-14.0%
WTI CRUDE OIL 1 M CSO FI	7A	254,085	62,555	306.2%	157,600	61.2%
Metals Futures						
COMEX GOLD	GC	475,817	561,272	-15.2%	456,507	4.2%
NYMEX HOT ROLLED STEEL	HR	25,322	26,179	-3.3%	27,742	-8.7%
NYMEX PLATINUM	PL	73,107	68,911	6.1%	57,620	26.9%
PALLADIUM	PA	12,521	7,486	67.3%	11,559	8.3%
URANIUM	UX	0	800	-100.0%	200	-100.0%
COMEX SILVER	SI	140,253	135,949	3.2%	121,387	15.5%
COMEX E-Mini GOLD	QO	1,084	1,771	-38.8%	809	34.0%
COMEX E-Mini SILVER	QI	337	441	-23.6%	596	-43.5%
COMEX COPPER	HG	196,596	185,003	6.3%	218,280	-9.9%
COMEX MINY COPPER	QC	364	424	-14.2%	362	0.6%
ALUMINUM	A38	0	0	-	0	-
ALUMINUM	AEP	8,416	8,123	3.6%	8,100	3.9%
ALUMINUM	ALA	540	1,755	-69.2%	670	-19.4%
ALUMINUM	ALI	3,537	299	1,082.9%	2,882	22.7%
ALUMINUM	AUP	27,788	25,028	11.0%	28,083	-1.1%
ALUMINUM	EDP	17,439	17,277	0.9%	18,844	-7.5%
ALUMINUM	MJP	1,085	4,368	-75.2%	1,020	6.4%
COBALT METAL FUTURES	COB	20,357	2,047	894.5%	18,568	9.6%
COBALT METAL FUTURES	MOX	202	0	-	165	22.4%
COPPER	HGS	16,582	14,509	14.3%	15,661	5.9%
COPPER	MHG	2,136	0	-	1,973	8.3%
FERROUS PRODUCTS	BUS	5,894	5,919	-0.4%	6,302	-6.5%
FERROUS PRODUCTS	FSF	25	0	-	17	47.1%
GOLD	4GC	0	0	-	0	-
GOLD	SGC	339	523	-35.2%	333	1.8%
GOLD	SGU	422	1,216	-65.3%	351	20.2%

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest APR 2023	Open Interest APR 2022	% CHG	Open Interest MAR 2023	% CHG
Metals Futures						
HOT ROLLED COIL STEEL FUTURES	EHR	6,680	2,007	232.8%	6,989	-4.4%
IRON ORE CHINA	TIO	171	1,695	-89.9%	535	-68.0%
METALS	HDG	955	175	445.7%	1,230	-22.4%
METALS	LTH	1,539	3	51,200.0%	1,038	48.3%
METALS	PAC	0	0	-	100	-100.0%
MICRO GOLD	MGC	21,809	29,821	-26.9%	20,750	5.1%
SILVER	SIL	8,626	7,223	19.4%	6,790	27.0%
Metals Options						
ALUMINUM	ALO	0	0	-	0	-
ALUMINUM	AX	481	0	-	556	-13.5%
COMEX COPPER	HX	98,635	57,892	70.4%	103,294	-4.5%
COMEX GOLD	ECGC	0	0	-	0	0.0%
COMEX GOLD	OG	849,729	826,039	2.9%	806,095	5.4%
COMEX SILVER	ECSI	0	0	-	0	0.0%
COMEX SILVER	SO	120,854	72,442	66.8%	117,200	3.1%
COPPER	ECHG	0	0	-	0	0.0%
COPPER	H1E	148	45	228.9%	224	-33.9%
COPPER	H1M	34	0	-	145	-76.6%
COPPER	H1W	68	0	-	441	-84.6%
COPPER	H2E	20	42	-52.4%	122	-83.6%
COPPER	H2M	12	0	-	145	-91.7%
COPPER	H2W	59	0	-	26	126.9%
COPPER	H3E	20	0	-	52	-61.5%
COPPER	H3M	7	0	-	72	-90.3%
COPPER	H3W	20	0	-	65	-69.2%
COPPER	H4E	0	0	-	0	-
COPPER	H4M	0	0	-	0	-
COPPER	H4W	0	0	-	0	-
COPPER	H5E	0	0	0.0%	0	0.0%
COPPER	H5M	0	0	-	0	-
COPPER	H5W	0	0	-	0	-
GOLD	G1M	4,006	0	-	5,354	-25.2%
GOLD	G1W	2,969	0	-	3,052	-2.7%
GOLD	G2M	2,078	0	-	2,762	-24.8%
GOLD	G2W	1,080	0	-	1,759	-38.6%
GOLD	G3M	519	0	-	610	-14.9%
GOLD	G3W	238	0	-	676	-64.8%
GOLD	G4M	137	0	-	48	185.4%
GOLD	G4W	1	0	-	67	-98.5%
GOLD	G5M	0	0	-	0	-
GOLD	G5W	0	0	-	0	-
GOLD	OG1	13,903	17,496	-20.5%	11,342	22.6%
GOLD	OG2	5,296	4,490	18.0%	6,555	-19.2%
GOLD	OG3	725	1,937	-62.6%	1,366	-46.9%
GOLD	OG4	0	0	-	0	-
GOLD	OG5	0	0	0.0%	0	0.0%
IRON ORE CHINA	ICT	0	0	-	0	-
NYMEX HOT ROLLED STEEL	HRO	7,700	3,880	98.5%	8,310	-7.3%
NYMEX PLATINUM	PO	27,360	13,021	110.1%	18,502	47.9%
PALLADIUM	PAO	1,942	37	5,148.6%	2,036	-4.6%
SILVER	M1S	920	0	-	682	34.9%
SILVER	M2S	459	0	-	607	-24.4%

NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest APR 2023	Open Interest APR 2022	% CHG	Open Interest MAR 2023	% CHG
Metals Options						
SILVER	M3S	102	0	-	13	684.6%
SILVER	M4S	15	0	-	5	200.0%
SILVER	M5S	0	0	-	0	-
SILVER	SO1	1,276	766	66.6%	2,703	-52.8%
SILVER	SO2	540	1,092	-50.5%	436	23.9%
SILVER	SO3	161	334	-51.8%	160	0.6%
SILVER	SO4	0	0	-	0	-
SILVER	SO5	0	0	0.0%	0	0.0%
SILVER	W1S	1,249	0	-	568	119.9%
SILVER	W2S	98	0	-	68	44.1%
SILVER	W3S	128	0	-	54	137.0%
SILVER	W4S	14	0	-	0	-
SILVER	W5S	0	0	-	0	-
TOTAL FUTURES GROUP						
Ag Products Futures		0	0	-	0	-
Energy Futures		6,589,024	6,673,029	-1.3%	6,596,942	-0.1%
Metals Futures		1,069,943	1,110,224	-3.6%	1,035,463	3.3%
TOTAL FUTURES		7,658,967	7,783,253	-1.6%	7,632,405	0.3%
TOTAL OPTIONS GROUP						
Energy Options		6,795,530	6,636,610	2.4%	6,679,229	1.7%
Metals Options		1,143,003	999,513	14.4%	1,096,172	4.3%
TOTAL OPTIONS		7,938,533	7,636,123	4.0%	7,775,401	2.1%
TOTAL COMBINED						
Ag Products		0	0	-	0	-
Energy		13,384,554	13,309,639	0.6%	13,276,171	0.8%
Metals		2,212,946	2,109,737	4.9%	2,131,635	3.8%
GRAND TOTAL		15,597,500	15,419,376	1.2%	15,407,806	1.2%