

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest JUL 2023	Open Interest JUL 2022	% CHG	Open Interest JUN 2023	% CHG
Ag Products Futures					
COFFEE	0	0	-	0	-
Energy Futures					
CRUDE OIL PHY	1,750,069	1,609,615	8.7%	1,822,603	-4.0%
CRUDE OIL	0	0	-	0	-
MINY WTI CRUDE OIL	3,621	5,202	-30.4%	3,777	-4.1%
BRENT OIL LAST DAY	136,054	183,989	-26.1%	147,001	-7.4%
HEATING OIL PHY	330,356	271,173	21.8%	304,373	8.5%
HTG OIL	120	108	11.1%	93	29.0%
MINY HTG OIL	0	0	0.0%	0	0.0%
RBOB PHY	361,020	259,384	39.2%	321,654	12.2%
MINY RBOB GAS	0	1	-100.0%	1	-100.0%
NATURAL GAS	187,244	235,372	-20.4%	192,134	-2.5%
LTD NAT GAS	365,428	374,380	-2.4%	365,104	0.1%
MINY NATURAL GAS	12,146	8,177	48.5%	13,322	-8.8%
NATURAL GAS PHY	1,188,766	983,986	20.8%	1,234,829	-3.7%
RBOB GAS	72	76	-5.3%	66	9.1%
AEP-DAYTON HUB DAILY	0	10	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	5,380	7,308	-26.4%	4,945	8.8%
ARGUS PROPAN FAR EST INDE	6,592	5,136	28.3%	6,741	-2.2%
ARGUS PROPAN(SAUDI ARAMCO	2,150	1,665	29.1%	2,024	6.2%
BRENT BALMO SWAP	15	0	-	20	-25.0%
BRENT CALENDAR SWAP	22,975	42,912	-46.5%	25,722	-10.7%
BRENT FINANCIAL FUTURES	0	0	-	0	-
BRENT FINANCIAL FUTURES	190	0	-	200	-5.0%
BRENT FINANCIAL FUTURES	0	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	14,079	2,974	373.4%	13,628	3.3%
CAR VINTAGE	11,322	15,316	-26.1%	11,436	-1.0%
CEU ENERGY	330	0	-	0	-
CHICAGO ETHANOL SWAP	38,447	30,040	28.0%	40,736	-5.6%
CHICAGO ULSD PL VS HO SPR	2,780	918	202.8%	2,395	16.1%
CHICAGO UNL GAS PL VS RBO	0	0	-	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	393	2,069	-81.0%	413	-4.8%
CONWAY NORMAL BUTANE (OPIS) SWAP	1,447	1,882	-23.1%	1,283	12.8%
CONWAY PROPANE 5 DECIMALS SWAP	29,964	27,439	9.2%	28,363	5.6%
CRUDE OIL	0	0	-	0	-
CRUDE OIL LAST DAY	1,200	0	-	1,500	-20.0%
CRUDE OIL OUTRIGHTS	883	708	24.7%	216	308.8%
CRUDE OIL OUTRIGHTS	0	1,264	-100.0%	0	-
CRUDE OIL OUTRIGHTS	0	300	-100.0%	0	-
CRUDE OIL OUTRIGHTS	0	630	-100.0%	0	-
CRUDE OIL OUTRIGHTS	230,366	145,546	58.3%	242,066	-4.8%
CRUDE OIL OUTRIGHTS	0	1,056	-100.0%	0	-
CRUDE OIL OUTRIGHTS	0	2,695	-100.0%	0	-
CRUDE OIL PHY	0	0	0.0%	0	0.0%
CRUDE OIL PHY	0	0	-	0	-
CRUDE OIL PHY	18,547	11,238	65.0%	15,153	22.4%
CRUDE OIL SPRDS	2,396	3,590	-33.3%	1,000	139.6%
CRUDE OIL SPRDS	600	0	-	750	-20.0%

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Energy Futures						
CRUDE OIL SPRDS	HIL	0	3,570	-100.0%	0	-
CRUDE OIL SPRDS	WTT	201,949	131,976	53.0%	205,424	-1.7%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	0	720	-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	6,480	-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	1,110	2,370	-53.2%	1,295	-14.3%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DOMINION TRANSMISSION INC	PG	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	400	500	-20.0%	0	-
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	4,755	4,445	7.0%	16,922	-71.9%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	A5	1,368	939	45.7%	1,525	-10.3%
ELEC FINSETTLED	47	0	0	-	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-
EMMISSIONS	CGO	125	214	-41.6%	50	150.0%
ETHANOL	MTH	0	0	-	0	-
ETHANOL	Z1B	10	0	-	0	-
ETHANOL SWAP	MT2	845	700	20.7%	900	-6.1%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	6,249	4,657	34.2%	6,031	3.6%
EURO 3.5% FUEL OIL RDAM B	KR	0	0	-	87	-100.0%
EURO GASOIL 10 CAL SWAP	GT	0	0	-	1	-100.0%
EURO GASOIL 10PPM VS ICE	ET	180	630	-71.4%	210	-14.3%
EUROPE 1% FUEL OIL NWE CA	UF	0	30	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	UV	34	132	-74.2%	76	-55.3%
EUROPEAN GASOIL (ICE)	7F	451	2,356	-80.9%	462	-2.4%
EUROPEAN NAPHTHA BALMO	KZ	20	7	185.7%	0	-
EUROPEAN NAPHTHA CRACK SPR	EN	6,250	7,292	-14.3%	5,988	4.4%
EUROPE DATED BRENT SWAP	UB	0	6	-100.0%	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	UN	1,210	750	61.3%	1,315	-8.0%
EURO PROPANE CIF ARA SWA	PS	2,870	2,500	14.8%	2,968	-3.3%
FREIGHT MARKETS	BF2	0	0	-	0	-
FREIGHT MARKETS	BL2	192	355	-45.9%	222	-13.5%
FREIGHT MARKETS	CS3	0	10	-100.0%	0	-
FREIGHT MARKETS	CS4	60	120	-50.0%	70	-14.3%
FREIGHT MARKETS	FLJ	0	0	-	0	-
FREIGHT MARKETS	FLP	54	77	-29.9%	54	0.0%
FREIGHT MARKETS	FRC	0	30	-100.0%	0	-
FREIGHT MARKETS	T2D	18	210	-91.4%	40	-55.0%
FREIGHT MARKETS	T8C	0	0	-	0	-
FREIGHT MARKETS	TC6	0	0	-	0	-
FREIGHT MARKETS	TD3	0	0	-	0	-

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Energy Futures						
FREIGHT MARKETS	USE	0	0	-	0	-
FUEL OIL CRACK VS ICE	FO	21	600	-96.5%	24	-12.5%
FUEL OIL NWE CRACK VS ICE	FI	30	63	-52.4%	30	0.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	-	0	-
GAS EURO-BOB OXY NWE BARGES	7H	861	445	93.5%	644	33.7%
GAS EURO-BOB OXY NWE BARGES CRK	7K	3,742	7,070	-47.1%	3,970	-5.7%
GASOIL 0.1CIF MED VS ICE	Z5	0	30	-100.0%	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0	-
GASOIL 0.1 ROTTERDAM BARG	VL	0	39	-100.0%	0	-
GASOIL 10PPM VS ICE SWAP	TP	12	0	-	12	0.0%
GASOIL CALENDAR SWAP	GX	42	203	-79.3%	80	-47.5%
GASOIL CRACK SPREAD CALEN	GZ	522	2,730	-80.9%	528	-1.1%
GASOIL MINI CALENDAR SWAP	QA	650	612	6.2%	493	31.8%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	0	108	-100.0%	0	-
GRP THREE ULSD(PLT)VS HEA	A6	7,439	5,725	29.9%	9,185	-19.0%
GRP THREE UNL GS (PLT) VS	A8	3,142	3,385	-7.2%	3,147	-0.2%
GULF COAST 3% FUEL OIL BA	VZ	0	107	-100.0%	0	-
GULF COAST JET FUEL CLNDR	GE	0	0	-	0	-
GULF COAST JET VS NYM 2 H	ME	18,246	9,988	82.7%	17,939	1.7%
GULF COAST NO.6 FUEL OIL	MF	4,002	3,279	22.0%	5,430	-26.3%
GULF COAST NO.6 FUEL OIL	MG	13,891	6,662	108.5%	12,831	8.3%
GULF COAST ULSD CALENDAR	LY	1,427	776	83.9%	1,590	-10.3%
GULF COAST ULSD CRACK SPR	GY	0	0	-	0	-
HEATING OIL BALMO CLNDR S	1G	93	265	-64.9%	295	-68.5%
HEATING OIL CRCK SPRD BAL	1H	0	127	-100.0%	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%
HEATING OIL PHY	MHO	0	0	-	0	-
HENRY HUB SWAP	NN	421,003	494,556	-14.9%	433,375	-2.9%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-
ICE BRENT DUBAI SWAP	DB	70	1,440	-95.1%	140	-50.0%
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	122	-95.9%	5	0.0%
JAPAN C&F NAPHTHA SWAP	JA	626	329	90.3%	622	0.6%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	-	0	-
JET CIF NWE VS ICE	JC	492	1,020	-51.8%	559	-12.0%
JET FUEL UP-DOWN BALMO CL	1M	1,505	665	126.3%	1,375	9.5%
JKM LNG Futures	JKM	175	1,334	-86.9%	260	-32.7%
LA CARB DIESEL (OPIS) SWA	KL	570	661	-13.8%	717	-20.5%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	-	50	-100.0%
LA JET (OPIS) SWAP	JS	1,115	475	134.7%	1,505	-25.9%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	WJ	582	2,106	-72.4%	639	-8.9%
MARS (ARGUS) VS WTI SWAP	YX	0	675	-100.0%	0	-
MARS (ARGUS) VS WTI TRD M	YV	12,315	12,435	-1.0%	9,780	25.9%
MCCLOSKEY ARA ARGS COAL	MTF	6,693	11,978	-44.1%	6,903	-3.0%
MCCLOSKEY RCH BAY COAL	MFF	48	853	-94.4%	66	-27.3%
MGN1 SWAP FUT	MGN	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	110	10	1,000.0%	0	-
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	0	-	0	-

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Energy Futures						
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	179	464	-61.4%	385	-53.5%
MJC FUT	MJC	0	0	-	0	-
MNC FUT	MNC	940	2,593	-63.7%	1,235	-23.9%
MONT BELVIEU ETHANE 5 DECIMAL	C0	50,198	43,496	15.4%	51,353	-2.2%
MONT BELVIEU ETHANE OPIS BALMO	8C	80	390	-79.5%	415	-80.7%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	164,627	119,767	37.5%	173,057	-4.9%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	2,443	2,286	6.9%	1,265	93.1%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	36,113	37,788	-4.4%	35,921	0.5%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	615	1,845	-66.7%	1,805	-65.9%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	70,274	56,473	24.4%	65,285	7.6%
MONT BELVIEU NORMAL BUTANE BALMO	8J	696	729	-4.5%	767	-9.3%
NATURAL GAS	NWM	330	0	-	150	120.0%
NATURAL GAS PEN SWP	NP	132,812	206,958	-35.8%	137,966	-3.7%
NEPOOL INTR HUB 5MW D AH	H2	0	2,376	-100.0%	0	-
NEPOOL INTR HUB 5MW D AH	U6	0	126	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	CE	0	102	-100.0%	0	-
NEW YORK ETHANOL SWAP	EZ	1,610	1,890	-14.8%	1,715	-6.1%
NEW YORK HUB ZONE G PEAK	GN	0	850	-100.0%	0	-
NEW YORK HUB ZONE J PEAK	JN	0	0	-	0	-
N ILLINOIS HUB DAILY	UD	0	20	-100.0%	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	12,021	7,206	66.8%	11,932	0.7%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	300	-100.0%	0	-
NY HARBOR RESIDUAL FUEL 1	MM	155	200	-22.5%	230	-32.6%
NYH NO 2 CRACK SPREAD CAL	HK	21,622	12,044	79.5%	20,421	5.9%
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	2,100	-100.0%	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	2,804	1,724	62.6%	2,844	-1.4%
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-
PETROCHEMICALS	22	143	58	146.6%	79	81.0%
PETROCHEMICALS	32	52	31	67.7%	15	246.7%
PETROCHEMICALS	3NA	268	94	185.1%	265	1.1%
PETROCHEMICALS	51	13	15	-13.3%	0	-
PETROCHEMICALS	81	30	60	-50.0%	35	-14.3%
PETROCHEMICALS	8I	5,223	6,809	-23.3%	5,435	-3.9%
PETROCHEMICALS	91	1,072	742	44.5%	1,046	2.5%
PETROCHEMICALS	MAA	120	0	-	230	-47.8%
PETROCHEMICALS	MAE	2,288	1,770	29.3%	2,308	-0.9%
PETROCHEMICALS	MAS	581	890	-34.7%	464	25.2%
PETROCHEMICALS	MBE	130	30	333.3%	230	-43.5%
PETROCHEMICALS	MNB	0	0	-	0	-
PETROCHEMICALS	MPS	2,916	1,499	94.5%	2,472	18.0%
PETROCHEMICALS	PMF	6	3	100.0%	6	0.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STS	0	0	-	0	-
PETRO CRCKS & SPRDS NA	CRB	15,484	21,757	-28.8%	14,851	4.3%
PETRO CRCKS & SPRDS NA	EXR	557	550	1.3%	850	-34.5%
PETRO CRCKS & SPRDS NA	FOC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GBB	0	100	-100.0%	450	-100.0%
PETRO CRCKS & SPRDS NA	GCI	375	75	400.0%	375	0.0%



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Energy Futures						
PETRO CRCKS & SPRDS NA	GCU	96	0	-	96	0.0%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	20	-100.0%
PETRO CRCKS & SPRDS NA	HOB	1,230	1,368	-10.1%	1,250	-1.6%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	1,745	1,407	24.0%	2,275	-23.3%
PETRO CRCKS & SPRDS NA	RVG	5,281	8,846	-40.3%	5,902	-10.5%
PETRO CRCKS & SPRDS NA	SF3	12	0	-	12	0.0%
PETRO CRK&SPRD EURO	1NB	573	330	73.6%	573	0.0%
PETRO CRK&SPRD EURO	43	8	0	-	0	-
PETRO CRK&SPRD EURO	BOB	45	315	-85.7%	93	-51.6%
PETRO CRK&SPRD EURO	EOB	0	15	-100.0%	0	-
PETRO CRK&SPRD EURO	EPN	872	943	-7.5%	837	4.2%
PETRO CRK&SPRD EURO	EVC	315	105	200.0%	315	0.0%
PETRO CRK&SPRD EURO	GOC	0	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	599	445	34.6%	532	12.6%
PETROLEUM PRODUCTS	1NM	0	0	-	0	-
PETROLEUM PRODUCTS	BEB	0	0	-	0	-
PETROLEUM PRODUCTS	BEF	3	0	-	0	-
PETROLEUM PRODUCTS	CMS	0	360	-100.0%	50	-100.0%
PETROLEUM PRODUCTS	EWG	286	1,761	-83.8%	386	-25.9%
PETROLEUM PRODUCTS	H5F	75	150	-50.0%	200	-62.5%
PETROLEUM PRODUCTS	JCC	6,788	6,822	-0.5%	7,289	-6.9%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	0	-
PETROLEUM PRODUCTS	R5F	89	133	-33.1%	109	-18.3%
PETROLEUM PRODUCTS	S53	6	12	-50.0%	7	-14.3%
PETROLEUM PRODUCTS	UCS	0	0	-	0	-
PETROLEUM PRODUCTS	UP5	0	0	-	0	-
PETROLEUM PRODUCTS	VU	210	0	-	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	5	-100.0%	0	-
PETROLEUM PRODUCTS ASIA	MJN	715	944	-24.3%	683	4.7%
PETRO OUTRIGHT EURO	0B	0	84	-100.0%	0	-
PETRO OUTRIGHT EURO	0C	0	0	-	0	-
PETRO OUTRIGHT EURO	0D	35	82	-57.3%	75	-53.3%
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	0	0	-	20	-100.0%
PETRO OUTRIGHT EURO	7I	0	0	-	0	-
PETRO OUTRIGHT EURO	7R	7	6	16.7%	30	-76.7%
PETRO OUTRIGHT EURO	CBB	50	0	-	0	-
PETRO OUTRIGHT EURO	CGB	15	0	-	0	-
PETRO OUTRIGHT EURO	CPB	325	115	182.6%	40	712.5%
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-
PETRO OUTRIGHT EURO	ENS	0	0	-	0	-
PETRO OUTRIGHT EURO	EWN	879	430	104.4%	966	-9.0%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-
PETRO OUTRIGHT EURO	H5G	0	0	-	0	-
PETRO OUTRIGHT EURO	JFB	0	0	-	0	-

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Energy Futures						
PETRO OUTFRIGHT EURO	M1B	1,880	2,437	-22.9%	2,102	-10.6%
PETRO OUTFRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTFRIGHT EURO	MBN	2,761	2,168	27.4%	2,319	19.1%
PETRO OUTFRIGHT EURO	MEF	0	180	-100.0%	10	-100.0%
PETRO OUTFRIGHT EURO	MQA	211	35	502.9%	211	0.0%
PETRO OUTFRIGHT EURO	R53	0	18	-100.0%	0	-
PETRO OUTFRIGHT EURO	R5B	0	0	-	0	-
PETRO OUTFRIGHT EURO	R5M	2,180	2,997	-27.3%	2,590	-15.8%
PETRO OUTFRIGHT EURO	R5O	1,127	2,215	-49.1%	1,310	-14.0%
PETRO OUTFRIGHT EURO	RBM	0	0	-	0	-
PETRO OUTFRIGHT EURO	S5B	0	0	-	1	-100.0%
PETRO OUTFRIGHT EURO	S5F	561	200	180.5%	515	8.9%
PETRO OUTFRIGHT EURO	S5M	2,456	3,133	-21.6%	2,751	-10.7%
PETRO OUTFRIGHT EURO	S5O	810	4,412	-81.6%	815	-0.6%
PETRO OUTFRIGHT EURO	SMU	0	0	-	0	-
PETRO OUTFRIGHT EURO	SR5	96	15	540.0%	128	-25.0%
PETRO OUTFRIGHT EURO	TLB	0	0	-	0	-
PETRO OUTFRIGHT EURO	ULB	0	0	-	0	-
PETRO OUTFRIGHT EURO	V0	0	0	-	0	-
PETRO OUTFRIGHT NA	A8B	275	560	-50.9%	365	-24.7%
PETRO OUTFRIGHT NA	AB6	365	740	-50.7%	625	-41.6%
PETRO OUTFRIGHT NA	BCR	1,785	1,260	41.7%	1,435	24.4%
PETRO OUTFRIGHT NA	FCB	0	0	-	0	-
PETRO OUTFRIGHT NA	JE	0	60	-100.0%	0	-
PETRO OUTFRIGHT NA	JET	4,410	300	1,370.0%	5,410	-18.5%
PETRO OUTFRIGHT NA	JTB	150	450	-66.7%	900	-83.3%
PETRO OUTFRIGHT NA	MBL	357	360	-0.8%	397	-10.1%
PETRO OUTFRIGHT NA	MEN	6	37	-83.8%	10	-40.0%
PETRO OUTFRIGHT NA	MEO	231	320	-27.8%	320	-27.8%
PETRO OUTFRIGHT NA	MFD	0	0	-	0	-
PETRO OUTFRIGHT NA	MMF	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	0	9,805	-100.0%	0	-
PJM AD HUB 5MW REAL TIME	Z9	0	535	-100.0%	0	-
PJM DAILY	JD	126	284	-55.6%	126	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	230	-100.0%	0	-
PJM NI HUB 5MW REAL TIME	B6	0	0	-	0	-
PJM WESTH RT OFF-PEAK	N9	0	88,245	-100.0%	0	-
PJM WESTH RT PEAK	L1	6,678	21,036	-68.3%	7,938	-15.9%
PLASTICS	PGP	3,690	3,940	-6.3%	3,994	-7.6%
PREMIUM UNLD 10P FOB MED	3G	0	90	-100.0%	5	-100.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	2,425	1,140	112.7%	1,070	126.6%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	72,133	38,921	85.3%	72,286	-0.2%
RBOB CALENDAR SWAP	RL	18,808	10,289	82.8%	12,940	45.3%
RBOB CRACK SPREAD	RM	9,006	13,576	-33.7%	9,616	-6.3%
RBOB CRACK SPREAD BALMO S	1E	0	127	-100.0%	0	-
RBOB GASOLINE BALMO CLNDR	1D	531	794	-33.1%	1,359	-60.9%
RBOB PHY	MRB	3	1	200.0%	1	200.0%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB VS HEATING OIL SWAP	RH	180	315	-42.9%	205	-12.2%
SINGAPORE 180CST BALMO	BS	0	0	-	3	-100.0%
SINGAPORE 380CST BALMO	BT	0	0	-	0	-
SINGAPORE 380CST FUEL OIL	SE	338	209	61.7%	368	-8.2%

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Energy Futures						
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	30	170.0%	81	0.0%
SINGAPORE GASOIL	MAF	11	678	-98.4%	11	0.0%
SINGAPORE GASOIL	MTB	0	0	-	0	-
SINGAPORE GASOIL	MTS	307	592	-48.1%	334	-8.1%
SINGAPORE GASOIL	SBM	0	0	-	10	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	178	102	74.5%	53	235.8%
SINGAPORE GASOIL SWAP	SG	391	940	-58.4%	478	-18.2%
SINGAPORE GASOIL VS ICE	GA	1,122	3,930	-71.5%	1,316	-14.7%
SINGAPORE JET KERO GASOIL	RK	1,014	3,339	-69.6%	1,171	-13.4%
SINGAPORE JET KEROSENE SW	KS	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	365	0	-	335	9.0%
TC2 ROTTERDAM TO USAC 37K	TM	72	90	-20.0%	152	-52.6%
TC5 RAS TANURA TO YOKOHAM	TH	60	270	-77.8%	70	-14.3%
TD3 MEG TO JAPAN 250K MT	TL	1,650	3,345	-50.7%	1,715	-3.8%
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	3,915	3,124	25.3%	6,165	-36.5%
UP DOWN GC ULSD VS NMX HO	LT	41,739	26,836	55.5%	38,395	8.7%
WTI-BRENT CALENDAR SWAP	BK	129,150	101,705	27.0%	116,906	10.5%
WTI CALENDAR	CS	145,294	156,164	-7.0%	134,927	7.7%
WTI MIDLAND CRUDE OIL	WTL	1,390	0	-	1,760	-21.0%
WTS (ARGUS) VS WTI SWAP	FF	21,690	23,949	-9.4%	22,178	-2.2%
WTS (ARGUS) VS WTI TRD MT	FH	1,836	6,265	-70.7%	1,720	6.7%
Energy Options						
BRENT CALENDAR SWAP	BA	3,260	2,766	17.9%	2,809	16.1%
BRENT CRUDE OIL 1 M CSO	9C	3,750	600	525.0%	4,800	-21.9%
BRENT OIL LAST DAY	BE	29,297	41,274	-29.0%	29,297	0.0%
BRENT OIL LAST DAY	BZO	15,629	52,486	-70.2%	17,964	-13.0%
COAL API2 INDEX	F2C	305	365	-16.4%	305	0.0%
COAL API2 INDEX	F2Q	0	0	-	0	-
CRUDE OIL	6Y	0	0	-	0	-
CRUDE OIL 1MO	WA	158,075	139,193	13.6%	157,875	0.1%
CRUDE OIL APO	AO	164,430	217,937	-24.6%	162,009	1.5%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-
CRUDE OIL OUTRIGHTS	ECCL	0	0	-	0	0.0%
CRUDE OIL PHY	LC	49,901	72,872	-31.5%	46,379	7.6%
CRUDE OIL PHY	LO	2,074,930	2,148,390	-3.4%	2,084,522	-0.5%
CRUDE OIL PHY	LO1	17,610	5,601	214.4%	12,271	43.5%
CRUDE OIL PHY	LO2	3,378	803	320.7%	3,489	-3.2%
CRUDE OIL PHY	LO3	1,491	58	2,470.7%	483	208.7%
CRUDE OIL PHY	LO4	97	0	-	0	-
CRUDE OIL PHY	LO5	0	0	0.0%	0	0.0%
CRUDE OIL PHY	MCO	5,696	2,489	128.8%	6,448	-11.7%
CRUDE OIL PHY	ML1	2	0	-	0	-
CRUDE OIL PHY	MW1	291	263	10.6%	291	0.0%
CRUDE OIL PHY	MW2	4	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	0.0%

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Energy Options						
CRUDE OIL PHY	WL2	1	0	-	0	-
ELEC FINSETTLED	PJN	0	0	0.0%	0	-
ETHANOL SWAP	CVR	5,455	4,915	11.0%	6,017	-9.3%
ETHANOL SWAP	GVR	0	0	-	0	-
FREIGHT MARKETS	FLO	0	30	-100.0%	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	1,750	-100.0%	0	-
HEATING OIL PHY	FZ	0	0	-	0	-
HEATING OIL PHY	LB	76	195	-61.0%	89	-14.6%
HEATING OIL PHY	OH	9,936	14,341	-30.7%	8,988	10.5%
HENRY HUB FINANCIAL LAST	E7	60,227	27,572	118.4%	59,757	0.8%
HENRY HUB FINANCIAL LAST	ECNG	0	0	-	0	0.0%
HO 1 MONTH CLNDR OPTIONS	FA	9,600	1,900	405.3%	0	-
LLS CRUDE OIL	HTO	400	1,200	-66.7%	500	-20.0%
LLS CRUDE OIL	WTO	4,500	1,500	200.0%	4,875	-7.7%
MCCLOSKEY ARA ARGS COAL	MTO	0	120	-100.0%	0	-
NATURAL GAS	LN1	107	0	-	3	3,466.7%
NATURAL GAS	LN2	113	0	-	0	-
NATURAL GAS	LN3	270	5	5,300.0%	0	-
NATURAL GAS	LN4	0	0	-	0	-
NATURAL GAS	LN5	0	0	0.0%	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	195,728	143,246	36.6%	175,753	11.4%
NATURAL GAS 2 M CSO FIN	G2	1,250	0	-	250	400.0%
NATURAL GAS 3 M CSO FIN	G3	102,900	88,725	16.0%	99,090	3.8%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	G6	0	7,500	-100.0%	0	-
NATURAL GAS OPT	JFO	25	0	-	50	-50.0%
NATURAL GAS OPT	JKO	100	2,375	-95.8%	200	-50.0%
NATURAL GAS OPT	TFO	0	300	-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	3,085,009	3,014,505	2.3%	3,157,361	-2.3%
NATURAL GAS PHY	ON	73,356	45,035	62.9%	69,176	6.0%
NATURAL GAS PHY	ON3	0	0	-	0	-
NATURAL GAS SUMMER STRIP	4D	0	0	-	0	-
NY HARBOR HEAT OIL SWP	AT	18,867	7,180	162.8%	19,910	-5.2%
PETROCHEMICALS	4H	2,212	4,790	-53.8%	2,463	-10.2%
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	810	-88.9%	100	-10.0%
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	500	-100.0%	0	-
RBOB CALENDAR SWAP	RA	80	1,309	-93.9%	96	-16.7%
RBOB PHY	OB	5,562	5,231	6.3%	4,572	21.7%
RBOB PHY	RF	28	360	-92.2%	35	-20.0%
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	-

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Energy Options						
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	-
SHORT TERM NATURAL GAS	U01	350	0	-	0	-
SHORT TERM NATURAL GAS	U02	0	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	-
WTI-BRENT BULLET SWAP	BV	57,125	197,210	-71.0%	71,300	-19.9%
WTI CRUDE OIL 1 M CSO FI	7A	188,105	163,755	14.9%	226,880	-17.1%
Metals Futures						
COMEX GOLD	GC	444,586	466,838	-4.8%	440,991	0.8%
NYMEX HOT ROLLED STEEL	HR	20,578	22,522	-8.6%	23,581	-12.7%
NYMEX PLATINUM	PL	67,717	70,945	-4.6%	69,283	-2.3%
PALLADIUM	PA	18,493	7,156	158.4%	14,631	26.4%
URANIUM	UX	0	800	-100.0%	0	-
COMEX SILVER	SI	144,808	138,933	4.2%	114,102	26.9%
COMEX E-Mini GOLD	QO	842	1,640	-48.7%	1,196	-29.6%
COMEX E-Mini SILVER	QI	383	443	-13.5%	347	10.4%
COMEX COPPER	HG	240,799	185,926	29.5%	190,619	26.3%
COMEX MINY COPPER	QC	365	444	-17.8%	356	2.5%
ALUMINUM	A38	0	0	-	0	-
ALUMINUM	AEP	6,608	6,367	3.8%	6,006	10.0%
ALUMINUM	ALA	360	1,320	-72.7%	430	-16.3%
ALUMINUM	ALI	3,004	892	236.8%	3,209	-6.4%
ALUMINUM	AUP	27,367	26,573	3.0%	27,318	0.2%
ALUMINUM	EDP	18,480	20,614	-10.4%	17,165	7.7%
ALUMINUM	MJP	730	2,562	-71.5%	855	-14.6%
COBALT METAL FUTURES	COB	21,377	5,322	301.7%	20,693	3.3%
COBALT METAL FUTURES	MOX	541	0	-	531	1.9%
COPPER	HGS	13,091	12,864	1.8%	14,067	-6.9%
COPPER	MHG	2,507	1,338	87.4%	1,791	40.0%

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Metals Futures						
FERROUS PRODUCTS	BUS	4,251	6,950	-38.8%	4,650	-8.6%
FERROUS PRODUCTS	FSF	49	0	-	55	-10.9%
GOLD	4GC	0	0	-	0	-
GOLD	SGC	0	252	-100.0%	345	-100.0%
GOLD	SGU	6	374	-98.4%	403	-98.5%
HOT ROLLED COIL STEEL FUTURES	EHR	5,939	2,962	100.5%	6,327	-6.1%
IRON ORE CHINA	TIO	801	2,999	-73.3%	740	8.2%
METALS	HDG	325	275	18.2%	480	-32.3%
METALS	LTC	0	0	-	0	-
METALS	LTH	3,333	0	-	1,913	74.2%
METALS	PAC	0	100	-100.0%	0	-
MICRO GOLD	MGC	29,261	21,220	37.9%	24,452	19.7%
SILVER	SIL	5,666	6,369	-11.0%	7,444	-23.9%
Metals Options						
ALUMINUM	ALO	0	0	-	0	-
ALUMINUM	AX	882	0	-	1,035	-14.8%
COMEX COPPER	HX	101,541	79,291	28.1%	77,294	31.4%
COMEX GOLD	ECGC	0	0	-	0	0.0%
COMEX GOLD	OG	735,021	844,167	-12.9%	764,717	-3.9%
COMEX SILVER	ECSI	0	0	-	0	0.0%
COMEX SILVER	SO	100,484	100,436	0.0%	96,724	3.9%
COPPER	ECHG	0	0	-	0	0.0%
COPPER	H1E	790	76	939.5%	142	456.3%
COPPER	H1M	20	70	-71.4%	242	-91.7%
COPPER	H1W	528	27	1,855.6%	105	402.9%
COPPER	H2E	127	40	217.5%	32	296.9%
COPPER	H2M	41	18	127.8%	390	-89.5%
COPPER	H2W	56	24	133.3%	10	460.0%
COPPER	H3E	98	18	444.4%	13	653.8%
COPPER	H3M	1	6	-83.3%	2	-50.0%
COPPER	H3W	83	0	-	1	8,200.0%
COPPER	H4E	51	0	-	0	-
COPPER	H4M	0	44	-100.0%	0	-
COPPER	H4W	99	0	-	0	-
COPPER	H5E	0	0	0.0%	0	0.0%
COPPER	H5M	0	0	-	0	-
COPPER	H5W	0	0	-	0	-
GOLD	G1M	1,024	2,905	-64.8%	6,808	-85.0%
GOLD	G1W	5,739	2,647	116.8%	3,710	54.7%
GOLD	G2M	638	837	-23.8%	1,734	-63.2%
GOLD	G2W	4,854	777	524.7%	1,510	221.5%
GOLD	G3M	84	937	-91.0%	1,524	-94.5%
GOLD	G3W	985	251	292.4%	405	143.2%
GOLD	G4M	0	311	-100.0%	514	-100.0%
GOLD	G4W	607	126	381.7%	0	-
GOLD	G5M	0	0	-	0	-
GOLD	G5W	0	0	-	0	-
GOLD	OG1	9,725	7,610	27.8%	6,964	39.6%
GOLD	OG2	3,194	3,689	-13.4%	2,725	17.2%
GOLD	OG3	988	1,279	-22.8%	787	25.5%
GOLD	OG4	323	0	-	0	-
GOLD	OG5	0	0	0.0%	0	0.0%



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Metals Options					
IRON ORE CHINA	0	0	-	0	-
NYMEX HOT ROLLED STEEL	6,748	3,669	83.9%	6,950	-2.9%
NYMEX PLATINUM	20,323	7,588	167.8%	23,754	-14.4%
PALLADIUM	1,765	6	29,316.7%	1,706	3.5%
SILVER	432	209	106.7%	914	-52.7%
SILVER	281	23	1,121.7%	275	2.2%
SILVER	7	7	0.0%	58	-87.9%
SILVER	0	1	-100.0%	5	-100.0%
SILVER	0	0	-	0	-
SILVER	1,276	1,064	19.9%	1,473	-13.4%
SILVER	881	239	268.6%	149	491.3%
SILVER	270	97	178.4%	92	193.5%
SILVER	3	0	-	0	-
SILVER	0	0	0.0%	0	0.0%
SILVER	2,278	32	7,018.8%	715	218.6%
SILVER	495	28	1,667.9%	298	66.1%
SILVER	99	36	175.0%	22	350.0%
SILVER	130	0	-	0	-
SILVER	0	0	-	0	-
TOTAL FUTURES GROUP					
Ag Products Futures	0	0	-	0	-
Energy Futures	6,483,444	6,083,325	6.6%	6,576,934	-1.4%
Metals Futures	1,082,267	1,015,000	6.6%	993,980	8.9%
TOTAL FUTURES	7,565,711	7,098,325	6.6%	7,570,914	-0.1%
TOTAL OPTIONS GROUP					
Energy Options	6,349,842	6,429,420	-1.2%	6,436,631	-1.3%
Metals Options	1,002,971	1,058,585	-5.3%	1,003,799	-0.1%
TOTAL OPTIONS	7,352,813	7,488,005	-1.8%	7,440,430	-1.2%



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Commodity	Open Interest JUL 2023	Open Interest JUL 2022	% CHG	Open Interest JUN 2023	% CHG
TOTAL COMBINED					
Ag Products	0	0	-	0	-
Energy	12,833,286	12,512,745	2.6%	13,013,565	-1.4%
Metals	2,085,238	2,073,585	0.6%	1,997,779	4.4%
GRAND TOTAL	14,918,524	14,586,330	2.3%	15,011,344	-0.6%