

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest AUG 2023	Open Interest AUG 2022	% CHG	Open Interest JUL 2023	% CHG
Ag Products Futures					
COFFEE	0	0	-	0	-
Energy Futures					
CRUDE OIL PHY	1,674,270	1,467,964	14.1%	1,750,069	-4.3%
CRUDE OIL	0	0	-	0	-
MINY WTI CRUDE OIL	2,758	6,124	-55.0%	3,621	-23.8%
BRENT OIL LAST DAY	140,749	179,021	-21.4%	136,054	3.5%
HEATING OIL PHY	320,218	283,837	12.8%	330,356	-3.1%
HTG OIL	111	99	12.1%	120	-7.5%
MINY HTG OIL	0	2	-100.0%	0	0.0%
RBOB PHY	368,803	251,658	46.5%	361,020	2.2%
MINY RBOB GAS	2	1	100.0%	0	0.0%
NATURAL GAS	178,500	234,076	-23.7%	187,244	-4.7%
LTD NAT GAS	365,995	373,853	-2.1%	365,428	0.2%
MINY NATURAL GAS	9,044	5,816	55.5%	12,146	-25.5%
NATURAL GAS PHY	1,148,827	978,283	17.4%	1,188,766	-3.4%
RBOB GAS	66	69	-4.3%	72	-8.3%
AEP-DAYTON HUB DAILY	0	10	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	7,485	9,015	-17.0%	5,380	39.1%
ARGUS PROPAN FAR EST INDE	6,596	5,211	26.6%	6,592	0.1%
ARGUS PROPAN(SAUDI ARAMCO	2,150	1,676	28.3%	2,150	0.0%
BRENT BALMO SWAP	50	0	-	15	233.3%
BRENT CALENDAR SWAP	25,289	41,092	-38.5%	22,975	10.1%
BRENT FINANCIAL FUTURES	0	0	-	0	-
BRENT FINANCIAL FUTURES	190	0	-	190	0.0%
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	13,971	3,230	332.5%	14,079	-0.8%
CAR VINTAGE	10,777	14,098	-23.6%	11,322	-4.8%
CEU ENERGY	330	0	-	330	0.0%
CEU ENERGY	5	0	-	0	-
CHICAGO ETHANOL SWAP	37,181	34,354	8.2%	38,447	-3.3%
CHICAGO ULSD PL VS HO SPR	2,530	853	196.6%	2,780	-9.0%
CHICAGO UNL GAS PL VS RBO	0	0	-	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	405	1,101	-63.2%	393	3.1%
CONWAY NORMAL BUTANE (OPIS) SWAP	1,838	1,665	10.4%	1,447	27.0%
CONWAY PROPANE 5 DECIMALS SWAP	31,265	28,793	8.6%	29,964	4.3%
CRUDE OIL	0	0	-	0	-
CRUDE OIL LAST DAY	900	0	-	1,200	-25.0%
CRUDE OIL OUTRIGHTS	861	760	13.3%	883	-2.5%
CRUDE OIL OUTRIGHTS	0	1,017	-100.0%	0	-
CRUDE OIL OUTRIGHTS	0	270	-100.0%	0	-
CRUDE OIL OUTRIGHTS	0	420	-100.0%	0	-
CRUDE OIL OUTRIGHTS	275,305	139,693	97.1%	230,366	19.5%
CRUDE OIL OUTRIGHTS	0	936	-100.0%	0	-
CRUDE OIL OUTRIGHTS	0	1,785	-100.0%	0	-
CRUDE OIL PHY	0	0	0.0%	0	0.0%
CRUDE OIL PHY	0	0	-	0	-
CRUDE OIL PHY	14,630	18,041	-18.9%	18,547	-21.1%
CRUDE OIL SPRDS	2,189	2,730	-19.8%	2,396	-8.6%



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Energy Futures						
CRUDE OIL SPRDS	BKT	450	0	-	600	-25.0%
CRUDE OIL SPRDS	HIL	0	2,900	-100.0%	0	-
CRUDE OIL SPRDS	WTT	215,736	132,951	62.3%	201,949	6.8%
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	1,416	-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	925	2,345	-60.6%	1,110	-16.7%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DOMINION TRANSMISSION INC	PG	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	200	500	-60.0%	400	-50.0%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	9,608	4,107	133.9%	4,755	102.1%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	A5	1,247	815	53.0%	1,368	-8.8%
ELEC FINSETTLED	47	0	0	-	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-
EMMISSIONS	CGO	111	195	-43.1%	125	-11.2%
ETHANOL	MTH	0	0	-	0	-
ETHANOL	Z1B	5	0	-	10	-50.0%
ETHANOL SWAP	MT2	580	485	19.6%	845	-31.4%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	6,394	6,455	-0.9%	6,249	2.3%
EURO 3.5% FUEL OIL RDAM B	KR	0	0	-	0	-
EURO GASOIL 10 CAL SWAP	GT	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	150	581	-74.2%	180	-16.7%
EUROPE 1% FUEL OIL NWE CA	UF	0	25	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	UV	34	125	-72.8%	34	0.0%
EUROPEAN GASOIL (ICE)	7F	434	2,220	-80.5%	451	-3.8%
EUROPEAN NAPHTHA BALMO	KZ	5	5	0.0%	20	-75.0%
EUROPEAN NAPHTHA CRACK SPR	EN	6,611	6,563	0.7%	6,250	5.8%
EUROPE DATED BRENT SWAP	UB	0	4	-100.0%	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	UN	1,435	744	92.9%	1,210	18.6%
EURO PROPANE CIF ARA SWA	PS	2,692	2,581	4.3%	2,870	-6.2%
FREIGHT MARKETS	BF2	0	0	-	0	-
FREIGHT MARKETS	BL2	227	370	-38.6%	192	18.2%
FREIGHT MARKETS	CS3	0	10	-100.0%	0	-
FREIGHT MARKETS	CS4	50	120	-58.3%	60	-16.7%
FREIGHT MARKETS	FLJ	36	0	-	0	-
FREIGHT MARKETS	FLP	74	79	-6.3%	54	37.0%
FREIGHT MARKETS	FRC	0	61	-100.0%	0	-
FREIGHT MARKETS	T2D	15	162	-90.7%	18	-16.7%
FREIGHT MARKETS	T8C	0	0	-	0	-
FREIGHT MARKETS	TC6	0	0	-	0	-

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Energy Futures					
FREIGHT MARKETS	TD3	0	0	0	-
FREIGHT MARKETS	USE	0	0	0	-
FUEL OIL CRACK VS ICE	FO	17	487	21	-19.0%
FUEL OIL NWE CRACK VS ICE	FI	30	57	30	0.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	0	-
GAS EURO-BOB OXY NWE BARGES	7H	1,213	460	861	40.9%
GAS EURO-BOB OXY NWE BARGES CRK	7K	4,987	6,966	3,742	33.3%
GASOIL 0.1CIF MED VS ICE	Z5	0	25	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0	-
GASOIL 0.1 ROTTERDAM BARG	VL	1	26	0	-
GASOIL 10PPM VS ICE SWAP	TP	12	0	12	0.0%
GASOIL CALENDAR SWAP	GX	41	174	42	-2.4%
GASOIL CRACK SPREAD CALEN	GZ	488	2,320	522	-6.5%
GASOIL MINI CALENDAR SWAP	QA	561	488	650	-13.7%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	0	90	0	-
GRP THREE ULSD(PLT)VS HEA	A6	7,451	5,462	7,439	0.2%
GRP THREE UNL GS (PLT) VS	A8	3,901	3,335	3,142	24.2%
GULF COAST 3% FUEL OIL BA	VZ	0	120	0	-
GULF COAST JET FUEL CLNDR	GE	0	0	0	-
GULF COAST JET VS NYM 2 H	ME	17,603	10,630	18,246	-3.5%
GULF COAST NO.6 FUEL OIL	MF	2,763	4,981	4,002	-31.0%
GULF COAST NO.6 FUEL OIL	MG	13,965	8,083	13,891	0.5%
GULF COAST ULSD CALENDAR	LY	1,299	721	1,427	-9.0%
GULF COAST ULSD CRACK SPR	GY	0	0	0	-
HEATING OIL BALMO CLNDR S	1G	0	233	93	-100.0%
HEATING OIL CRCK SPRD BAL	1H	0	0	0	-
HEATING OIL PHY	HOL	0	0	0	0.0%
HEATING OIL PHY	MHO	3	0	0	-
HENRY HUB SWAP	NN	417,298	481,292	421,003	-0.9%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0	-
ICE BRENT DUBAI SWAP	DB	150	1,195	70	114.3%
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	6	5	0.0%
JAPAN C&F NAPHTHA SWAP	JA	670	307	626	7.0%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	0	-
JET CIF NWE VS ICE	JC	410	942	492	-16.7%
JET FUEL UP-DOWN BALMO CL	1M	785	100	1,505	-47.8%
JKM LNG Futures	JKM	90	909	175	-48.6%
LA CARB DIESEL (OPIS) SWA	KL	563	525	570	-1.2%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	0	-
LA JET (OPIS) SWAP	JS	1,250	125	1,115	12.1%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0	-
LLS (ARGUS) VS WTI SWAP	WJ	525	1,979	582	-9.8%
MARS (ARGUS) VS WTI SWAP	YX	0	575	0	-
MARS (ARGUS) VS WTI TRD M	YV	10,494	11,576	12,315	-14.8%
MCCLOSKEY ARA ARGS COAL	MTF	5,686	11,601	6,693	-15.0%
MCCLOSKEY RCH BAY COAL	MFF	32	952	48	-33.3%
MGN1 SWAP FUT	MGN	0	0	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	30	10	110	-72.7%



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MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	-	0	-
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	296	-17.3%	179	65.4%
MJC FUT	MJC	0	-	0	-
MNC FUT	MNC	1,314	-59.4%	940	39.8%
MONT BELVIEU ETHANE 5 DECIMAL	C0	51,415	15.6%	50,198	2.4%
MONT BELVIEU ETHANE OPIS BALMO	8C	715	-21.9%	80	793.8%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	163,066	31.8%	164,627	-0.9%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,125	9.8%	2,443	-54.0%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	35,110	-11.7%	36,113	-2.8%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	292	-82.8%	615	-52.5%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	76,581	23.1%	70,274	9.0%
MONT BELVIEU NORMAL BUTANE BALMO	8J	619	-35.6%	696	-11.1%
NATURAL GAS	NWM	330	-	330	0.0%
NATURAL GAS PEN SWP	NP	125,294	-37.0%	132,812	-5.7%
NEPOOL INTR HUB 5MW D AH	H2	0	-100.0%	0	-
NEPOOL INTR HUB 5MW D AH	U6	0	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	CE	0	-100.0%	0	-
NEW YORK ETHANOL SWAP	EZ	1,495	23.0%	1,610	-7.1%
NEW YORK HUB ZONE G PEAK	GN	0	-100.0%	0	-
NEW YORK HUB ZONE J PEAK	JN	0	-	0	-
N ILLINOIS HUB DAILY	UD	0	-100.0%	0	-
NY1% VS GC SPREAD SWAP	VR	0	-	0	-
NY HARBOR 1% FUEL OIL BAL	VK	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	11,358	54.3%	12,021	-5.5%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	-100.0%	0	-
NY HARBOR RESIDUAL FUEL 1	MM	0	-100.0%	155	-100.0%
NYH NO 2 CRACK SPREAD CAL	HK	22,411	126.0%	21,622	3.6%
NYISO CAPACITY	LHV	0	-	0	-
NYISO ZONE G 5MW D AH O P	D2	0	-	0	-
NYISO ZONE G 5MW D AH PK	T3	0	-100.0%	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	2,303	-0.7%	2,804	-17.9%
PANHANDLE BASIS SWAP FUTU	PH	0	-	0	-
PETROCHEMICALS	22	137	-7.4%	143	-4.2%
PETROCHEMICALS	32	26	8.3%	52	-50.0%
PETROCHEMICALS	3NA	221	104.6%	268	-17.5%
PETROCHEMICALS	51	43	290.9%	13	230.8%
PETROCHEMICALS	81	25	-58.3%	30	-16.7%
PETROCHEMICALS	8I	5,038	-18.9%	5,223	-3.5%
PETROCHEMICALS	91	1,177	61.0%	1,072	9.8%
PETROCHEMICALS	MAA	150	1,400.0%	120	25.0%
PETROCHEMICALS	MAE	2,084	1.7%	2,288	-8.9%
PETROCHEMICALS	MAS	940	13.9%	581	61.8%
PETROCHEMICALS	MBE	0	-100.0%	130	-100.0%
PETROCHEMICALS	MNB	0	-	0	-
PETROCHEMICALS	MPS	2,923	95.3%	2,916	0.2%
PETROCHEMICALS	PMF	46	2,200.0%	6	666.7%
PETRO CRCKS & SPRDS ASIA	STR	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STS	0	-	0	-
PETRO CRCKS & SPRDS NA	CRB	14,159	-30.7%	15,484	-8.6%
PETRO CRCKS & SPRDS NA	EXR	773	50.4%	557	38.8%
PETRO CRCKS & SPRDS NA	FOC	0	-	0	-
PETRO CRCKS & SPRDS NA	GBB	0	-100.0%	0	-

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Energy Futures						
PETRO CRCKS & SPRDS NA	GCI	375	0	-	375	0.0%
PETRO CRCKS & SPRDS NA	GCU	96	0	-	96	0.0%
PETRO CRCKS & SPRDS NA	GFC	650	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	1,230	1,126	9.2%	1,230	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	2,161	1,385	56.0%	1,745	23.8%
PETRO CRCKS & SPRDS NA	RVG	5,806	7,534	-22.9%	5,281	9.9%
PETRO CRCKS & SPRDS NA	SF3	12	0	-	12	0.0%
PETRO CRK&SPRD EURO	1NB	404	330	22.4%	573	-29.5%
PETRO CRK&SPRD EURO	43	0	0	-	8	-100.0%
PETRO CRK&SPRD EURO	BOB	36	286	-87.4%	45	-20.0%
PETRO CRK&SPRD EURO	EOB	0	10	-100.0%	0	-
PETRO CRK&SPRD EURO	EPN	844	988	-14.6%	872	-3.2%
PETRO CRK&SPRD EURO	EVC	280	70	300.0%	315	-11.1%
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	582	405	43.7%	599	-2.8%
PETROLEUM PRODUCTS	1NM	0	0	-	0	-
PETROLEUM PRODUCTS	BEB	0	0	-	0	-
PETROLEUM PRODUCTS	BEF	3	0	-	3	0.0%
PETROLEUM PRODUCTS	CMS	0	290	-100.0%	0	-
PETROLEUM PRODUCTS	EWG	226	1,413	-84.0%	286	-21.0%
PETROLEUM PRODUCTS	H5F	105	225	-53.3%	75	40.0%
PETROLEUM PRODUCTS	JCC	6,617	7,698	-14.0%	6,788	-2.5%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	0	-
PETROLEUM PRODUCTS	R5F	86	187	-54.0%	89	-3.4%
PETROLEUM PRODUCTS	S53	5	12	-58.3%	6	-16.7%
PETROLEUM PRODUCTS	UCS	0	0	-	0	-
PETROLEUM PRODUCTS	UP5	0	0	-	0	-
PETROLEUM PRODUCTS	VU	0	0	-	210	-100.0%
PETROLEUM PRODUCTS ASIA	E6M	30	10	200.0%	0	-
PETROLEUM PRODUCTS ASIA	MJN	638	985	-35.2%	715	-10.8%
PETRO OUTRIGHT EURO	0B	0	70	-100.0%	0	-
PETRO OUTRIGHT EURO	0C	0	0	-	0	-
PETRO OUTRIGHT EURO	0D	52	96	-45.8%	35	48.6%
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	0	10	-100.0%	0	-
PETRO OUTRIGHT EURO	7I	0	0	-	0	-
PETRO OUTRIGHT EURO	7R	7	0	-	7	0.0%
PETRO OUTRIGHT EURO	CBB	0	0	-	50	-100.0%
PETRO OUTRIGHT EURO	CGB	0	0	-	15	-100.0%
PETRO OUTRIGHT EURO	CPB	85	65	30.8%	325	-73.8%
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-
PETRO OUTRIGHT EURO	ENS	0	0	-	0	-
PETRO OUTRIGHT EURO	EWN	842	356	136.5%	879	-4.2%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-
PETRO OUTRIGHT EURO	H5G	0	0	-	0	-

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Energy Futures						
PETRO OUTFRIGHT EURO	JFB	0	0	-	0	-
PETRO OUTFRIGHT EURO	M1B	1,983	2,236	-11.3%	1,880	5.5%
PETRO OUTFRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTFRIGHT EURO	MBN	3,124	1,971	58.5%	2,761	13.1%
PETRO OUTFRIGHT EURO	MEF	0	150	-100.0%	0	-
PETRO OUTFRIGHT EURO	MQA	274	85	222.4%	211	29.9%
PETRO OUTFRIGHT EURO	R53	0	15	-100.0%	0	-
PETRO OUTFRIGHT EURO	R5B	0	0	-	0	-
PETRO OUTFRIGHT EURO	R5M	2,064	3,495	-40.9%	2,180	-5.3%
PETRO OUTFRIGHT EURO	R5O	1,107	2,162	-48.8%	1,127	-1.8%
PETRO OUTFRIGHT EURO	RBM	5	11	-54.5%	0	-
PETRO OUTFRIGHT EURO	S5B	6	0	-	0	-
PETRO OUTFRIGHT EURO	S5F	500	209	139.2%	561	-10.9%
PETRO OUTFRIGHT EURO	S5M	2,360	3,250	-27.4%	2,456	-3.9%
PETRO OUTFRIGHT EURO	S5O	1,229	3,444	-64.3%	810	51.7%
PETRO OUTFRIGHT EURO	SMU	0	0	-	0	-
PETRO OUTFRIGHT EURO	SR5	72	63	14.3%	96	-25.0%
PETRO OUTFRIGHT EURO	TLB	0	0	-	0	-
PETRO OUTFRIGHT EURO	ULB	275	0	-	0	-
PETRO OUTFRIGHT EURO	V0	0	0	-	0	-
PETRO OUTFRIGHT NA	A8B	35	125	-72.0%	275	-87.3%
PETRO OUTFRIGHT NA	AB6	0	35	-100.0%	365	-100.0%
PETRO OUTFRIGHT NA	BCR	1,108	3,325	-66.7%	1,785	-37.9%
PETRO OUTFRIGHT NA	FCB	0	0	-	0	-
PETRO OUTFRIGHT NA	JE	0	50	-100.0%	0	-
PETRO OUTFRIGHT NA	JET	4,075	1,050	288.1%	4,410	-7.6%
PETRO OUTFRIGHT NA	JTB	275	0	-	150	83.3%
PETRO OUTFRIGHT NA	MBL	322	320	0.6%	357	-9.8%
PETRO OUTFRIGHT NA	MEN	50	35	42.9%	6	733.3%
PETRO OUTFRIGHT NA	MEO	150	418	-64.1%	231	-35.1%
PETRO OUTFRIGHT NA	MFD	0	0	-	0	-
PETRO OUTFRIGHT NA	MMF	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	0	7,925	-100.0%	0	-
PJM AD HUB 5MW REAL TIME	Z9	0	420	-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	71,325	-100.0%	0	-
PJM WESTH RT PEAK	L1	5,229	17,770	-70.6%	6,678	-21.7%
PLASTICS	PGP	3,633	3,533	2.8%	3,690	-1.5%
PREMIUM UNLND 10P FOB MED	3G	0	81	-100.0%	0	-
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,028	1,264	-18.7%	2,425	-57.6%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	71,303	36,715	94.2%	72,133	-1.2%
RBOB CALENDAR SWAP	RL	19,543	11,110	75.9%	18,808	3.9%
RBOB CRACK SPREAD	RM	10,226	11,585	-11.7%	9,006	13.5%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	1,146	319	259.2%	531	115.8%
RBOB PHY	MRB	2	0	-	3	-33.3%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB VS HEATING OIL SWAP	RH	155	315	-50.8%	180	-13.9%
SINGAPORE 180CST BALMO	BS	0	2	-100.0%	0	-
SINGAPORE 380CST BALMO	BT	0	0	-	0	-

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Energy Futures						
SINGAPORE 380CST FUEL OIL	SE	269	105	156.2%	338	-20.4%
SINGAPORE FUEL 180CST CAL	UA	7	0	-	3	133.3%
SINGAPORE FUEL OIL 180 CS	GMS	0	0	-	0	-
SINGAPORE FUEL OIL SPREAD	SD	57	39	46.2%	81	-29.6%
SINGAPORE GASOIL	MAF	6	566	-98.9%	11	-45.5%
SINGAPORE GASOIL	MTB	0	10	-100.0%	0	-
SINGAPORE GASOIL	MTS	289	538	-46.3%	307	-5.9%
SINGAPORE GASOIL	SBM	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	202	92	119.6%	178	13.5%
SINGAPORE GASOIL SWAP	SG	995	978	1.7%	391	154.5%
SINGAPORE GASOIL VS ICE	GA	935	3,720	-74.9%	1,122	-16.7%
SINGAPORE JET KERO GASOIL	RK	857	3,175	-73.0%	1,014	-15.5%
SINGAPORE JET KEROSENE SW	KS	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	442	0	-	365	21.1%
TC2 ROTTERDAM TO USAC 37K	TM	72	90	-20.0%	72	0.0%
TC5 RAS TANURA TO YOKOHAM	TH	50	245	-79.6%	60	-16.7%
TD3 MEG TO JAPAN 250K MT	TL	1,585	3,030	-47.7%	1,650	-3.9%
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	5,039	4,790	5.2%	3,915	28.7%
UP DOWN GC ULSD VS NMX HO	LT	40,691	25,754	58.0%	41,739	-2.5%
WTI-BRENT CALENDAR SWAP	BK	163,914	101,478	61.5%	129,150	26.9%
WTI CALENDAR	CS	155,286	155,758	-0.3%	145,294	6.9%
WTI MIDLAND CRUDE OIL	WTL	1,020	0	-	1,390	-26.6%
WTS (ARGUS) VS WTI SWAP	FF	28,130	24,646	14.1%	21,690	29.7%
WTS (ARGUS) VS WTI TRD MT	FH	1,407	5,525	-74.5%	1,836	-23.4%
Energy Options						
BRENT CALENDAR SWAP	BA	3,478	2,442	42.4%	3,260	6.7%
BRENT CRUDE OIL 1 M CSO	9C	2,700	12,500	-78.4%	3,750	-28.0%
BRENT OIL LAST DAY	BE	29,297	41,049	-28.6%	29,297	0.0%
BRENT OIL LAST DAY	BZO	11,465	53,238	-78.5%	15,629	-26.6%
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	168,550	133,232	26.5%	158,075	6.6%
CRUDE OIL APO	AO	171,003	204,303	-16.3%	164,430	4.0%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-
CRUDE OIL OUTRIGHTS	ECCL	0	0	-	0	0.0%
CRUDE OIL PHY	LC	52,545	68,272	-23.0%	49,901	5.3%
CRUDE OIL PHY	LO	2,110,608	2,194,197	-3.8%	2,074,930	1.7%
CRUDE OIL PHY	LO1	14,712	14,709	0.0%	17,610	-16.5%
CRUDE OIL PHY	LO2	7,016	3,992	75.8%	3,378	107.7%
CRUDE OIL PHY	LO3	3,352	72	4,555.6%	1,491	124.8%
CRUDE OIL PHY	LO4	325	45	622.2%	97	235.1%
CRUDE OIL PHY	LO5	0	0	-	0	-
CRUDE OIL PHY	MCO	9,767	2,773	252.2%	5,696	71.5%
CRUDE OIL PHY	ML1	1,298	0	-	2	64,800.0%
CRUDE OIL PHY	ML2	361	0	-	0	-
CRUDE OIL PHY	ML3	1,315	0	-	0	-
CRUDE OIL PHY	ML4	13	0	-	0	-
CRUDE OIL PHY	MW1	1,977	446	343.3%	291	579.4%

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Energy Options						
CRUDE OIL PHY	MW2	80	131	-38.9%	4	1,900.0%
CRUDE OIL PHY	MW3	0	0	-	0	-
CRUDE OIL PHY	MW4	0	0	-	0	0.0%
CRUDE OIL PHY	MW5	0	0	-	0	-
CRUDE OIL PHY	WL1	3,822	0	-	0	-
CRUDE OIL PHY	WL2	641	0	-	1	64,000.0%
CRUDE OIL PHY	WL3	1	0	-	0	-
CRUDE OIL PHY	WL4	0	0	-	0	-
CRUDE OIL PHY	WL5	0	0	-	0	-
ELEC FINSETTLED	PJN	0	0	-	0	-
ETHANOL SWAP	CVR	5,656	3,501	61.6%	5,455	3.7%
ETHANOL SWAP	GVR	0	0	-	0	-
FREIGHT MARKETS	FLO	0	30	-100.0%	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	1,500	-100.0%	0	-
HEATING OIL PHY	FZ	0	0	-	0	-
HEATING OIL PHY	LB	113	0	-	76	48.7%
HEATING OIL PHY	OH	16,855	17,119	-1.5%	9,936	69.6%
HENRY HUB FINANCIAL LAST	E7	68,191	26,422	158.1%	60,227	13.2%
HENRY HUB FINANCIAL LAST	ECNG	0	0	-	0	0.0%
HO 1 MONTH CLNDR OPTIONS	FA	13,900	2,650	424.5%	9,600	44.8%
LLS CRUDE OIL	HTO	300	1,200	-75.0%	400	-25.0%
LLS CRUDE OIL	WTO	4,125	3,750	10.0%	4,500	-8.3%
MCCLOSKEY ARA ARG5 COAL	MTO	0	80	-100.0%	0	-
NATURAL GAS	LN1	1,265	318	297.8%	107	1,082.2%
NATURAL GAS	LN2	112	4	2,700.0%	113	-0.9%
NATURAL GAS	LN3	0	0	-	270	-100.0%
NATURAL GAS	LN4	0	0	-	0	0.0%
NATURAL GAS	LN5	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	G4	148,703	152,821	-2.7%	195,728	-24.0%
NATURAL GAS 2 M CSO FIN	G2	1,250	0	-	1,250	0.0%
NATURAL GAS 3 M CSO FIN	G3	106,815	90,160	18.5%	102,900	3.8%
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	0	0	-	25	-100.0%
NATURAL GAS OPT	JKO	0	400	-100.0%	100	-100.0%
NATURAL GAS OPT	TFO	0	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	2,967,148	3,021,111	-1.8%	3,085,009	-3.8%
NATURAL GAS PHY	ON	76,084	38,842	95.9%	73,356	3.7%
NATURAL GAS PHY	ON3	0	0	-	0	-
NATURAL GAS SUMMER STRIP	4D	0	0	-	0	-
NY HARBOR HEAT OIL SWP	AT	18,014	8,420	113.9%	18,867	-4.5%
PETROCHEMICALS	4H	1,958	4,491	-56.4%	2,212	-11.5%
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	80	685	-88.3%	90	-11.1%
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	500	-100.0%	0	-

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Energy Options						
RBOB CALENDAR SWAP	RA	124	849	-85.4%	80	55.0%
RBOB PHY	OB	3,108	7,610	-59.2%	5,562	-44.1%
RBOB PHY	RF	89	200	-55.5%	28	217.9%
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	-
SHORT TERM NATURAL GAS	U01	0	0	-	350	-100.0%
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	63,300	195,910	-67.7%	57,125	10.8%
WTI CRUDE OIL 1 M CSO FI	7A	161,195	169,350	-4.8%	188,105	-14.3%
Metals Futures						
COMEX GOLD	GC	442,643	459,407	-3.6%	444,586	-0.4%
NYMEX HOT ROLLED STEEL	HR	22,254	26,274	-15.3%	20,578	8.1%
NYMEX PLATINUM	PL	70,041	72,520	-3.4%	67,717	3.4%
PALLADIUM	PA	17,175	5,835	194.3%	18,493	-7.1%
URANIUM	UX	0	800	-100.0%	0	-
COMEX SILVER	SI	130,756	136,972	-4.5%	144,808	-9.7%
COMEX E-Mini GOLD	QO	1,206	1,972	-38.8%	842	43.2%
COMEX E-Mini SILVER	QI	260	439	-40.8%	383	-32.1%
COMEX COPPER	HG	190,258	158,561	20.0%	240,799	-21.0%
COMEX MINY COPPER	QC	360	301	19.6%	365	-1.4%
ALUMINUM	A38	0	0	-	0	-
ALUMINUM	AEP	5,545	7,505	-26.1%	6,608	-16.1%
ALUMINUM	ALA	290	1,195	-75.7%	360	-19.4%

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Commodity	Open Interest AUG 2023	Open Interest AUG 2022	% CHG	Open Interest JUL 2023	% CHG	
Metals Futures						
ALUMINUM	ALI	3,651	913	299.9%	3,004	21.5%
ALUMINUM	AUP	27,344	29,429	-7.1%	27,367	-0.1%
ALUMINUM	EDP	16,933	19,737	-14.2%	18,480	-8.4%
ALUMINUM	MJP	605	2,465	-75.5%	730	-17.1%
COBALT METAL FUTURES	COB	20,583	5,173	297.9%	21,377	-3.7%
COPPER	HGS	11,960	14,496	-17.5%	13,091	-8.6%
COPPER	MHG	1,835	1,055	73.9%	2,507	-26.8%
FERROUS PRODUCTS	BUS	4,091	6,877	-40.5%	4,251	-3.8%
FERROUS PRODUCTS	FSF	55	0	-	49	12.2%
GOLD	4GC	0	0	-	0	-
GOLD	SGC	76	529	-85.6%	0	-
GOLD	SGU	124	554	-77.6%	6	1,966.7%
HOT ROLLED COIL STEEL FUTURES	EHR	4,920	5,701	-13.7%	5,939	-17.2%
IRON ORE CHINA	TIO	1,360	3,967	-65.7%	801	69.8%
LITHIUM CARBONATE FUTURES	LTC	0	0	-	0	-
METALS	HDG	325	320	1.6%	325	0.0%
METALS	LTH	5,231	0	-	3,333	56.9%
METALS	PAC	0	100	-100.0%	0	-
MICRO GOLD	MGC	30,206	23,329	29.5%	29,261	3.2%
MOLYBDENUM OXIDE FUTURES	MOX	596	0	-	541	10.2%
SILVER	SIL	5,975	7,916	-24.5%	5,666	5.5%
Metals Options						
ALUMINUM	ALO	0	0	-	0	-
ALUMINUM	AX	448	0	-	882	-49.2%
COMEX COPPER	HX	78,963	71,828	9.9%	101,541	-22.2%
COMEX GOLD	ECGC	0	0	-	0	0.0%
COMEX GOLD	OG	754,090	772,160	-2.3%	735,021	2.6%
COMEX SILVER	ECSI	0	0	-	0	0.0%
COMEX SILVER	SO	89,174	85,204	4.7%	100,484	-11.3%
COPPER	ECHG	0	0	-	0	0.0%
COPPER	H1E	292	130	124.6%	790	-63.0%
COPPER	H1M	29	0	-	20	45.0%
COPPER	H1W	2,745	286	859.8%	528	419.9%
COPPER	H2E	105	27	288.9%	127	-17.3%
COPPER	H2M	76	19	300.0%	41	85.4%
COPPER	H2W	28	26	7.7%	56	-50.0%
COPPER	H3E	31	5	520.0%	98	-68.4%
COPPER	H3M	18	22	-18.2%	1	1,700.0%
COPPER	H3W	16	2	700.0%	83	-80.7%
COPPER	H4E	2	81	-97.5%	51	-96.1%
COPPER	H4M	19	35	-45.7%	0	-
COPPER	H4W	0	0	-	99	-100.0%
COPPER	H5E	0	0	-	0	-
COPPER	H5M	0	0	-	0	0.0%
COPPER	H5W	0	0	0.0%	0	-
GOLD	G1M	990	64	1,446.9%	1,024	-3.3%
GOLD	G1W	3,340	3,199	4.4%	5,739	-41.8%
GOLD	G2M	2,988	1,453	105.6%	638	368.3%
GOLD	G2W	790	392	101.5%	4,854	-83.7%
GOLD	G3M	2,398	492	387.4%	84	2,754.8%
GOLD	G3W	281	157	79.0%	985	-71.5%
GOLD	G4M	527	293	79.9%	0	-



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Metals Options						
GOLD	G4W	0	0	-	607	-100.0%
GOLD	G5M	0	0	-	0	0.0%
GOLD	G5W	0	0	0.0%	0	-
GOLD	OG1	14,554	15,746	-7.6%	9,725	49.7%
GOLD	OG2	4,105	6,217	-34.0%	3,194	28.5%
GOLD	OG3	1,926	1,634	17.9%	988	94.9%
GOLD	OG4	196	110	78.2%	323	-39.3%
GOLD	OG5	0	0	-	0	-
IRON ORE CHINA	ICT	0	300	-100.0%	0	-
NYMEX HOT ROLLED STEEL	HRO	6,567	4,419	48.6%	6,748	-2.7%
NYMEX PLATINUM	PO	27,188	8,064	237.2%	20,323	33.8%
PALLADIUM	PAO	809	11	7,254.5%	1,765	-54.2%
SILVER	M1S	168	0	-	432	-61.1%
SILVER	M2S	1,434	56	2,460.7%	281	410.3%
SILVER	M3S	777	53	1,366.0%	7	11,000.0%
SILVER	M4S	81	35	131.4%	0	-
SILVER	M5S	0	0	-	0	0.0%
SILVER	SO1	2,353	1,609	46.2%	1,276	84.4%
SILVER	SO2	1,277	560	128.0%	881	44.9%
SILVER	SO3	734	173	324.3%	270	171.9%
SILVER	SO4	44	10	340.0%	3	1,366.7%
SILVER	SO5	0	0	-	0	-
SILVER	W1S	828	187	342.8%	2,278	-63.7%
SILVER	W2S	366	2	18,200.0%	495	-26.1%
SILVER	W3S	51	39	30.8%	99	-48.5%
SILVER	W4S	0	0	-	130	-100.0%
SILVER	W5S	0	0	0.0%	0	-
TOTAL FUTURES GROUP						
Ag Products	Futures	0	0	-	0	-
Energy	Futures	6,457,958	5,889,002	9.7%	6,483,444	-0.4%
Metals	Futures	1,016,658	994,342	2.2%	1,082,267	-6.1%
TOTAL FUTURES		7,474,616	6,883,344	8.6%	7,565,711	-1.2%



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Commodity	Open Interest AUG 2023	Open Interest AUG 2022	% CHG	Open Interest JUL 2023	% CHG
TOTAL OPTIONS GROUP					
Energy Options	6,253,240	6,494,653	-3.7%	6,349,842	-1.5%
Metals Options	1,000,808	975,100	2.6%	1,002,971	-0.2%
TOTAL OPTIONS	7,254,048	7,469,753	-2.9%	7,352,813	-1.3%
TOTAL COMBINED					
Ag Products	0	0	-	0	-
Energy	12,711,198	12,383,655	2.6%	12,833,286	-1.0%
Metals	2,017,466	1,969,442	2.4%	2,085,238	-3.3%
GRAND TOTAL	14,728,664	14,353,097	2.6%	14,918,524	-1.3%