

NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest DEC 2023	Open Interest DEC 2022	% CHG	Open Interest NOV 2023	% CHG
Ag Products Futures						
COFFEE	KT	0	0	-	0	-
Energy Futures						
CRUDE OIL PHY	CL	1,581,928	1,440,725	9.8%	1,649,235	-4.1%
CRUDE OIL	WS	0	0	-	0	-
MINY WTI CRUDE OIL	QM	3,469	4,643	-25.3%	4,951	-29.9%
BRENT OIL LAST DAY	BZ	135,615	146,131	-7.2%	149,745	-9.4%
HEATING OIL PHY	HO	303,780	253,353	19.9%	301,140	0.9%
HTG OIL	BH	88	99	-11.1%	96	-8.3%
MINY HTG OIL	QH	1	0	-	2	-50.0%
RBOB PHY	RB	331,865	240,894	37.8%	335,983	-1.2%
MINY RBOB GAS	QU	0	0	-	0	0.0%
NATURAL GAS	HP	179,134	185,471	-3.4%	176,410	1.5%
LTD NAT GAS	HH	363,340	379,835	-4.3%	365,049	-0.5%
MINY NATURAL GAS	QG	8,860	9,789	-9.5%	9,189	-3.6%
NATURAL GAS PHY	NG	1,389,177	1,015,931	36.7%	1,332,157	4.3%
RBOB GAS	RT	66	66	0.0%	72	-8.3%
AEP-DAYTON HUB DAILY	VD	0	10	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	E5	6,445	4,845	33.0%	4,950	30.2%
ARGUS PROPAN FAR EST INDE	7E	7,104	5,765	23.2%	7,819	-9.1%
ARGUS PROPAN(SAUDI ARAMCO	9N	2,286	1,849	23.6%	2,663	-14.2%
BRENT BALMO SWAP	J9	0	0	-	0	-
BRENT CALENDAR SWAP	CY	17,472	35,845	-51.3%	20,783	-15.9%
BRENT FINANCIAL FUTURES	BB	0	0	-	0	-
BRENT FINANCIAL FUTURES	MBC	220	250	-12.0%	220	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	4,862	11,746	-58.6%	7,103	-31.6%
CAR VINTAGE	NGO	5,660	13,197	-57.1%	8,279	-31.6%
CEU ENERGY	TFU	0	0	-	0	-
CEU ENERGY	TTG	168	0	-	332	-49.4%
CHICAGO ETHANOL SWAP	CU	40,483	22,820	77.4%	35,606	13.7%
CHICAGO ULSD PL VS HO SPR	5C	1,781	1,107	60.9%	1,246	42.9%
CHICAGO UNL GAS PL VS RBO	3C	400	0	-	300	33.3%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	467	730	-36.0%	362	29.0%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	2,134	1,121	90.4%	2,811	-24.1%
CONWAY PROPANE 5 DECIMALS SWAP	8K	23,735	29,551	-19.7%	27,973	-15.2%
CRUDE OIL	LPS	0	0	-	0	-
CRUDE OIL LAST DAY	26	1,225	3,300	-62.9%	0	-
CRUDE OIL OUTRIGHTS	42	691	551	25.4%	590	17.1%
CRUDE OIL OUTRIGHTS	CC5	0	110	-100.0%	0	-
CRUDE OIL OUTRIGHTS	CSW	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-
CRUDE OIL OUTRIGHTS	HTT	283,250	140,633	101.4%	277,951	1.9%
CRUDE OIL OUTRIGHTS	LSW	0	110	-100.0%	0	-
CRUDE OIL OUTRIGHTS	WCW	0	0	-	0	-
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	0	0	-	0	-
CRUDE OIL PHY	MCL	19,815	17,803	11.3%	22,883	-13.4%
CRUDE OIL SPRDS	ANT	581	240	142.1%	998	-41.8%

NYMEX/COMEX Exchange Open Interest Report - Monthly

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Energy Futures						
CRUDE OIL SPRDS	BKT	0	0	-	0	-
CRUDE OIL SPRDS	HIL	0	520	-100.0%	0	-
CRUDE OIL SPRDS	WTT	217,205	137,394	58.1%	213,936	1.5%
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	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	185	2,245	-91.8%	370	-50.0%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DOMINION TRANSMISSION INC	PG	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	1,200	0	-	1,300	-7.7%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	2,052	3,043	-32.6%	5,178	-60.4%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	A5	1,639	1,738	-5.7%	1,816	-9.7%
ELEC FINSETTLED	47	0	0	-	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-
EMMISSIONS	CGO	29	51	-43.1%	73	-60.3%
ETHANOL	MTH	0	0	-	0	-
ETHANOL	Z1B	0	0	-	0	-
ETHANOL SWAP	MT2	515	685	-24.8%	495	4.0%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	8,134	5,772	40.9%	9,123	-10.8%
EURO 3.5% FUEL OIL RDAM B	KR	0	0	-	0	-
EURO GASOIL 10 CAL SWAP	GT	0	3	-100.0%	0	-
EURO GASOIL 10PPM VS ICE	ET	30	401	-92.5%	60	-50.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	5	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	UV	69	99	-30.3%	86	-19.8%
EUROPEAN GASOIL (ICE)	7F	549	1,572	-65.1%	244	125.0%
EUROPEAN NAPHTHA BALMO	KZ	0	4	-100.0%	0	-
EUROPEAN NAPHTHA CRACK SPR	EN	6,719	2,676	151.1%	7,078	-5.1%
EUROPE DATED BRENT SWAP	UB	0	0	-	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	UN	1,410	864	63.2%	1,648	-14.4%
EURO PROPANE CIF ARA SWA	PS	2,516	3,129	-19.6%	2,865	-12.2%
FREIGHT MARKETS	BF2	0	0	-	0	-
FREIGHT MARKETS	BL2	1,260	1,152	9.4%	952	32.4%
FREIGHT MARKETS	CS3	0	0	-	0	-
FREIGHT MARKETS	CS4	10	120	-91.7%	20	-50.0%
FREIGHT MARKETS	FLJ	41	0	-	36	13.9%
FREIGHT MARKETS	FLP	39	59	-33.9%	43	-9.3%
FREIGHT MARKETS	FRC	0	0	0.0%	0	-
FREIGHT MARKETS	T2D	0	93	-100.0%	6	-100.0%
FREIGHT MARKETS	T8C	0	0	-	0	-
FREIGHT MARKETS	TC6	0	0	-	0	-

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FREIGHT MARKETS	TD3	0	0	-	0	-
FREIGHT MARKETS	USE	0	0	-	0	-
FUEL OIL CRACK VS ICE	FO	257	114	125.4%	6	4,183.3%
FUEL OIL NWE CRACK VS ICE	FI	10	15	-33.3%	20	-50.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	-	0	-
GAS EURO-BOB OXY NWE BARGES	7H	813	244	233.2%	817	-0.5%
GAS EURO-BOB OXY NWE BARGES CRK	7K	5,592	4,971	12.5%	6,077	-8.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	5	-100.0%	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0	-
GASOIL 0.1 ROTTERDAM BARG	VL	0	14	-100.0%	1	-100.0%
GASOIL 10PPM VS ICE SWAP	TP	12	12	0.0%	12	0.0%
GASOIL CALENDAR SWAP	GX	66	131	-49.6%	66	0.0%
GASOIL CRACK SPREAD CALEN	GZ	595	579	2.8%	560	6.2%
GASOIL MINI CALENDAR SWAP	QA	561	420	33.6%	556	0.9%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	0	18	-100.0%	0	-
GRP THREE ULSD(PLT)VS HEA	A6	5,918	6,354	-6.9%	4,936	19.9%
GRP THREE UNL GS (PLT) VS	A8	5,760	3,395	69.7%	4,298	34.0%
GULF COAST 3% FUEL OIL BA	VZ	0	10	-100.0%	0	-
GULF COAST JET FUEL CLNDR	GE	0	0	-	0	-
GULF COAST JET VS NYM 2 H	ME	10,581	8,669	22.1%	11,061	-4.3%
GULF COAST NO.6 FUEL OIL	MF	2,610	7,621	-65.8%	2,268	15.1%
GULF COAST NO.6 FUEL OIL	MG	15,968	10,118	57.8%	18,271	-12.6%
GULF COAST ULSD CALENDAR	LY	1,773	1,790	-0.9%	1,878	-5.6%
GULF COAST ULSD CRACK SPR	GY	0	0	-	0	-
HEATING OIL BALMO CLNDR S	1G	2,792	177	1,477.4%	200	1,296.0%
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	8	-100.0%	0	-
HENRY HUB SWAP	NN	382,555	441,816	-13.4%	395,178	-3.2%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-
ICE BRENT DUBAI SWAP	DB	0	345	-100.0%	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	2	150.0%	5	0.0%
JAPAN C&F NAPHTHA SWAP	JA	497	352	41.2%	528	-5.9%
JAPAN NAPHTHA BALMO SWAP	E6	0	8	-100.0%	0	-
JET CIF NWE VS ICE	JC	210	671	-68.7%	240	-12.5%
JET FUEL UP-DOWN BALMO CL	1M	525	1,205	-56.4%	200	162.5%
JKM LNG Futures	JKM	0	1,076	-100.0%	0	-
LA CARB DIESEL (OPIS) SWA	KL	336	205	63.9%	291	15.5%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	-	0	-
LA JET (OPIS) SWAP	JS	505	775	-34.8%	450	12.2%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	WJ	297	1,631	-81.8%	354	-16.1%
MARS (ARGUS) VS WTI SWAP	YX	0	125	-100.0%	0	-
MARS (ARGUS) VS WTI TRD M	YV	8,125	11,142	-27.1%	3,540	129.5%
MCCLOSKEY ARA ARGS COAL	MTF	6,059	7,567	-19.9%	5,967	1.5%
MCCLOSKEY RCH BAY COAL	MFF	22	235	-90.6%	22	0.0%
MGN1 SWAP FUT	MGN	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	0	0	-	0	-

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Energy Futures						
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	0	-	0	-
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	180	608	-70.4%	291	-38.1%
MJC FUT	MJC	60	0	-	60	0.0%
MNC FUT	MNC	1,277	2,332	-45.2%	1,446	-11.7%
MONT BELVIEU ETHANE 5 DECIMAL	C0	48,688	43,620	11.6%	52,627	-7.5%
MONT BELVIEU ETHANE OPIS BALMO	8C	505	730	-30.8%	600	-15.8%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	144,574	145,524	-0.7%	155,959	-7.3%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	2,108	2,324	-9.3%	1,330	58.5%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	28,329	36,293	-21.9%	30,789	-8.0%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	444	1,615	-72.5%	739	-39.9%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	55,535	51,783	7.2%	62,578	-11.3%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,345	1,388	-3.1%	1,315	2.3%
NATURAL GAS	NWM	0	300	-100.0%	0	-
NATURAL GAS PEN SWP	NP	129,067	169,089	-23.7%	128,213	0.7%
NATURAL GAS PHY	MNG	12,042	0	-	13,979	-13.9%
NEPOOL INTR HUB 5MW D AH	H2	0	0	-	0	-
NEPOOL INTR HUB 5MW D AH	U6	0	0	-	0	-
NEW ENGLAND HUB PEAK DAIL	CE	0	0	-	0	-
NEW YORK ETHANOL SWAP	EZ	1,105	885	24.9%	800	38.1%
NEW YORK HUB ZONE G PEAK	GN	0	275	-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	15,316	9,716	57.6%	10,731	42.7%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	50	-100.0%	0	-
NY HARBOR RESIDUAL FUEL 1	MM	0	205	-100.0%	0	-
NYH NO 2 CRACK SPREAD CAL	HK	19,035	6,179	208.1%	19,634	-3.1%
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	0	-	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	2,622	2,880	-9.0%	2,883	-9.1%
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-
PETROCHEMICALS	22	209	263	-20.5%	111	88.3%
PETROCHEMICALS	32	25	146	-82.9%	56	-55.4%
PETROCHEMICALS	3NA	128	65	96.9%	128	0.0%
PETROCHEMICALS	51	45	1	4,400.0%	45	0.0%
PETROCHEMICALS	81	5	60	-91.7%	10	-50.0%
PETROCHEMICALS	8I	3,835	5,156	-25.6%	4,317	-11.2%
PETROCHEMICALS	91	901	876	2.9%	1,064	-15.3%
PETROCHEMICALS	MAA	140	30	366.7%	0	-
PETROCHEMICALS	MAE	2,960	1,904	55.5%	2,720	8.8%
PETROCHEMICALS	MAS	639	415	54.0%	953	-32.9%
PETROCHEMICALS	MBE	0	30	-100.0%	0	-
PETROCHEMICALS	MNB	0	0	-	0	-
PETROCHEMICALS	MPS	3,174	1,904	66.7%	3,224	-1.6%
PETROCHEMICALS	PMF	36	2	1,700.0%	39	-7.7%
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STS	0	0	-	0	-
PETRO CRCKS & SPRDS NA	CRB	18,715	14,606	28.1%	16,505	13.4%
PETRO CRCKS & SPRDS NA	EXR	1,484	454	226.9%	1,484	0.0%
PETRO CRCKS & SPRDS NA	FOC	0	0	-	0	-

NYMEX/COMEX Exchange Open Interest Report - Monthly

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Energy Futures						
PETRO CRCKS & SPRDS NA	GBB	0	0	-	25	-100.0%
PETRO CRCKS & SPRDS NA	GCI	125	0	-	250	-50.0%
PETRO CRCKS & SPRDS NA	GCU	764	0	-	906	-15.7%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	1,250	196	537.8%	1,300	-3.8%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	2,554	1,001	155.1%	2,811	-9.1%
PETRO CRCKS & SPRDS NA	RVG	3,933	7,381	-46.7%	3,728	5.5%
PETRO CRCKS & SPRDS NA	SF3	4	0	-	8	-50.0%
PETRO CRK&SPRD EURO	1NB	472	648	-27.2%	44	972.7%
PETRO CRK&SPRD EURO	43	0	0	-	0	-
PETRO CRK&SPRD EURO	BOB	6	124	-95.2%	12	-50.0%
PETRO CRK&SPRD EURO	EOB	0	0	-	5	-100.0%
PETRO CRK&SPRD EURO	EPN	801	892	-10.2%	960	-16.6%
PETRO CRK&SPRD EURO	EVC	90	40	125.0%	150	-40.0%
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	485	259	87.3%	555	-12.6%
PETROLEUM PRODUCTS	1NM	0	0	-	0	-
PETROLEUM PRODUCTS	BEB	0	0	-	0	-
PETROLEUM PRODUCTS	BEF	0	0	-	0	-
PETROLEUM PRODUCTS	CMS	0	400	-100.0%	200	-100.0%
PETROLEUM PRODUCTS	EWG	175	560	-68.8%	146	19.9%
PETROLEUM PRODUCTS	H5F	0	410	-100.0%	50	-100.0%
PETROLEUM PRODUCTS	JCC	4,120	8,352	-50.7%	4,846	-15.0%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	0	-
PETROLEUM PRODUCTS	R5F	52	183	-71.6%	56	-7.1%
PETROLEUM PRODUCTS	S53	1	12	-91.7%	2	-50.0%
PETROLEUM PRODUCTS	UCS	0	0	-	0	-
PETROLEUM PRODUCTS	UP5	0	0	-	0	-
PETROLEUM PRODUCTS	VU	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	10	-100.0%	0	-
PETROLEUM PRODUCTS ASIA	MJN	916	769	19.1%	1,145	-20.0%
PETRO OUTRIGHT EURO	0B	0	14	-100.0%	0	-
PETRO OUTRIGHT EURO	0C	0	0	-	0	-
PETRO OUTRIGHT EURO	0D	199	92	116.3%	192	3.6%
PETRO OUTRIGHT EURO	0E	0	0	-	0	-
PETRO OUTRIGHT EURO	0F	35	10	250.0%	15	133.3%
PETRO OUTRIGHT EURO	1T	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	30	0	-	0	-
PETRO OUTRIGHT EURO	7I	0	0	-	0	-
PETRO OUTRIGHT EURO	7R	0	0	-	0	-
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTRIGHT EURO	CPB	310	370	-16.2%	255	21.6%
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-
PETRO OUTRIGHT EURO	ENS	0	0	-	0	-
PETRO OUTRIGHT EURO	EWN	446	924	-51.7%	557	-19.9%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-

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Energy Futures						
PETRO OUTRIGHT EURO	H5G	0	0	-	0	-
PETRO OUTRIGHT EURO	JFB	0	0	-	0	-
PETRO OUTRIGHT EURO	M1B	1,059	1,288	-17.8%	1,347	-21.4%
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTRIGHT EURO	MBN	2,705	1,751	54.5%	2,883	-6.2%
PETRO OUTRIGHT EURO	MEF	60	68	-11.8%	60	0.0%
PETRO OUTRIGHT EURO	MQA	407	40	917.5%	387	5.2%
PETRO OUTRIGHT EURO	R53	0	3	-100.0%	0	-
PETRO OUTRIGHT EURO	R5B	0	0	-	0	-
PETRO OUTRIGHT EURO	R5M	2,048	3,503	-41.5%	1,952	4.9%
PETRO OUTRIGHT EURO	R5O	954	1,617	-41.0%	984	-3.0%
PETRO OUTRIGHT EURO	RBM	0	0	-	0	-
PETRO OUTRIGHT EURO	S5B	0	0	-	89	-100.0%
PETRO OUTRIGHT EURO	S5F	295	190	55.3%	407	-27.5%
PETRO OUTRIGHT EURO	S5M	2,920	2,822	3.5%	2,544	14.8%
PETRO OUTRIGHT EURO	S5O	1,649	1,429	15.4%	1,304	26.5%
PETRO OUTRIGHT EURO	SMU	0	0	-	0	-
PETRO OUTRIGHT EURO	SR5	8	92	-91.3%	16	-50.0%
PETRO OUTRIGHT EURO	TLB	0	0	-	0	-
PETRO OUTRIGHT EURO	ULB	0	100	-100.0%	0	-
PETRO OUTRIGHT EURO	V0	0	0	-	0	-
PETRO OUTRIGHT NA	A8B	145	0	-	25	480.0%
PETRO OUTRIGHT NA	AB6	0	100	-100.0%	150	-100.0%
PETRO OUTRIGHT NA	BCR	620	3,100	-80.0%	325	90.8%
PETRO OUTRIGHT NA	FCB	0	0	-	0	-
PETRO OUTRIGHT NA	JE	0	10	-100.0%	0	-
PETRO OUTRIGHT NA	JET	2,575	750	243.3%	3,220	-20.0%
PETRO OUTRIGHT NA	JTB	189	0	-	50	278.0%
PETRO OUTRIGHT NA	MBL	202	385	-47.5%	227	-11.0%
PETRO OUTRIGHT NA	MEN	0	20	-100.0%	0	-
PETRO OUTRIGHT NA	MEO	57	298	-80.9%	78	-26.9%
PETRO OUTRIGHT NA	MFD	0	0	-	0	-
PETRO OUTRIGHT NA	MMF	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	Z9	0	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	0	-	0	-
PJM WESTH RT PEAK	L1	0	16,002	-100.0%	1,260	-100.0%
PLASTICS	PGP	5,463	4,064	34.4%	5,156	6.0%
PREMIUM UNLD 10P FOB MED	3G	0	17	-100.0%	0	-
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,194	1,575	-24.2%	1,003	19.0%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	50,729	39,497	28.4%	55,180	-8.1%
RBOB CALENDAR SWAP	RL	10,501	13,531	-22.4%	12,302	-14.6%
RBOB CRACK SPREAD	RM	6,807	6,016	13.1%	7,554	-9.9%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	472	302	56.3%	215	119.5%
RBOB PHY	MRB	0	0	-	0	0.0%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB VS HEATING OIL SWAP	RH	35	325	-89.2%	70	-50.0%
SINGAPORE 180CST BALMO	BS	4	0	-	0	-

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest DEC 2023	Open Interest DEC 2022	% CHG	Open Interest NOV 2023	% CHG
Energy Futures						
SINGAPORE 380CST BALMO	BT	0	0	-	0	-
SINGAPORE 380CST FUEL OIL	SE	252	106	137.7%	369	-31.7%
SINGAPORE FUEL 180CST CAL	UA	15	9	66.7%	12	25.0%
SINGAPORE FUEL OIL 180 CS	GMS	0	0	-	0	-
SINGAPORE FUEL OIL SPREAD	SD	3	102	-97.1%	6	-50.0%
SINGAPORE GASOIL	MAF	15	142	-89.4%	0	-
SINGAPORE GASOIL	MTB	0	0	-	0	-
SINGAPORE GASOIL	MTS	313	446	-29.8%	303	3.3%
SINGAPORE GASOIL	SBM	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	177	101	75.2%	135	31.1%
SINGAPORE GASOIL SWAP	SG	50	154	-67.5%	154	-67.5%
SINGAPORE GASOIL VS ICE	GA	187	2,641	-92.9%	374	-50.0%
SINGAPORE JET KERO GASOIL	RK	181	2,305	-92.1%	362	-50.0%
SINGAPORE JET KEROSENE SW	KS	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	64	50	28.0%	64	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	150	-100.0%	48	-100.0%
TC5 RAS TANURA TO YOKOHAM	TH	10	153	-93.5%	20	-50.0%
TD3 MEG TO JAPAN 250K MT	TL	1,260	2,040	-38.2%	1,390	-9.4%
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	3,405	4,115	-17.3%	7,760	-56.1%
UP DOWN GC ULSD VS NMX HO	LT	38,764	24,924	55.5%	34,225	13.3%
WTI-BRENT BULLET SWAP	BY	0	0	-	0	-
WTI-BRENT CALENDAR SWAP	BK	162,320	108,235	50.0%	169,067	-4.0%
WTI CALENDAR	CS	147,500	152,064	-3.0%	160,651	-8.2%
WTI MIDLAND CRUDE OIL	WTL	0	550	-100.0%	0	-
WTS (ARGUS) VS WTI SWAP	FF	25,098	17,907	40.2%	26,255	-4.4%
WTS (ARGUS) VS WTI TRD MT	FH	28	2,335	-98.8%	150	-81.3%
Energy Options						
BRENT CALENDAR SWAP	BA	2,661	2,433	9.4%	2,996	-11.2%
BRENT CRUDE OIL 1 M CSO	9C	8,250	25,750	-68.0%	9,575	-13.8%
BRENT OIL LAST DAY	BE	0	28,420	-100.0%	12,096	-100.0%
BRENT OIL LAST DAY	BZO	4,709	21,820	-78.4%	1,980	137.8%
COAL API2 INDEX	F2C	350	100	250.0%	460	-23.9%
COAL API2 INDEX	F2Q	0	0	-	0	-
CRUDE OIL	6Y	0	0	-	0	-
CRUDE OIL 1MO	WA	164,300	124,150	32.3%	172,875	-5.0%
CRUDE OIL APO	AO	211,787	145,802	45.3%	225,559	-6.1%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-
CRUDE OIL OUTRIGHTS	ECCL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	LC	60,274	42,107	43.1%	52,124	15.6%
CRUDE OIL PHY	LO	1,933,635	2,305,600	-16.1%	2,068,507	-6.5%
CRUDE OIL PHY	LO1	8,403	9,495	-11.5%	48,647	-82.7%
CRUDE OIL PHY	LO2	233	1,187	-80.4%	3,738	-93.8%
CRUDE OIL PHY	LO3	2	37	-94.6%	379	-99.5%
CRUDE OIL PHY	LO4	0	0	-	115	-100.0%
CRUDE OIL PHY	LO5	0	0	0.0%	0	-
CRUDE OIL PHY	MCO	9,109	4,901	85.9%	11,434	-20.3%
CRUDE OIL PHY	ML1	4,908	0	-	8,392	-41.5%
CRUDE OIL PHY	ML2	1,663	0	-	469	254.6%
CRUDE OIL PHY	ML3	40	0	-	0	-

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest DEC 2023	Open Interest DEC 2022	% CHG	Open Interest NOV 2023	% CHG
Energy Options					
CRUDE OIL PHY ML4	0	0	-	0	-
CRUDE OIL PHY ML5	0	0	-	0	-
CRUDE OIL PHY MW1	456	130	250.8%	846	-46.1%
CRUDE OIL PHY MW2	0	0	-	255	-100.0%
CRUDE OIL PHY MW3	0	0	-	0	-
CRUDE OIL PHY MW4	0	0	-	0	-
CRUDE OIL PHY MW5	0	0	0.0%	0	-
CRUDE OIL PHY WL1	3,717	0	-	4,627	-19.7%
CRUDE OIL PHY WL2	1,090	0	-	318	242.8%
CRUDE OIL PHY WL3	0	0	-	1	-100.0%
CRUDE OIL PHY WL4	4	0	-	0	-
CRUDE OIL PHY WL5	0	0	-	0	0.0%
ELEC FINSETTLED PJN	0	0	-	0	-
ETHANOL SWAP CVR	2,853	2,418	18.0%	6,206	-54.0%
ETHANOL SWAP GVR	0	0	-	0	-
FREIGHT MARKETS FLO	0	0	0.0%	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS 3W	0	0	0.0%	0	-
HEATING OIL PHY FZ	0	0	-	0	-
HEATING OIL PHY LB	364	0	-	364	0.0%
HEATING OIL PHY OH	16,451	12,587	30.7%	16,451	0.0%
HENRY HUB FINANCIAL LAST E7	144,690	28,877	401.1%	108,833	32.9%
HENRY HUB FINANCIAL LAST ECNG	0	0	0.0%	0	0.0%
HO 1 MONTH CLNDR OPTIONS FA	3,950	1,725	129.0%	5,050	-21.8%
LLS CRUDE OIL HTO	0	1,100	-100.0%	0	-
LLS CRUDE OIL WTO	2,750	4,125	-33.3%	3,000	-8.3%
MCCLOSKEY ARA ARGS COAL MTO	0	20	-100.0%	0	-
NATURAL GAS LN1	229	0	-	323	-29.1%
NATURAL GAS LN2	44	0	-	88	-50.0%
NATURAL GAS LN3	5	0	-	3	66.7%
NATURAL GAS LN4	0	0	-	5	-100.0%
NATURAL GAS LN5	0	0	-	0	-
NATURAL GAS 1 M CSO FIN G4	138,662	99,667	39.1%	119,487	16.0%
NATURAL GAS 2 M CSO FIN G2	1,000	0	-	2,000	-50.0%
NATURAL GAS 3 M CSO FIN G3	27,000	3,550	660.6%	22,750	18.7%
NATURAL GAS 5 M CSO FIN G5	2,000	2,000	0.0%	2,000	0.0%
NATURAL GAS 6 M CSO FIN G6	2,600	23,875	-89.1%	1,350	92.6%
NATURAL GAS OPT JFO	0	150	-100.0%	0	-
NATURAL GAS OPT JKO	0	850	-100.0%	0	-
NATURAL GAS OPT TFO	0	0	-	0	-
NATURAL GAS OPTION ON CALENDAR STRP 6J	124	224	-44.6%	2,024	-93.9%
NATURAL GAS PHY KD	0	0	-	0	0.0%
NATURAL GAS PHY LN	3,198,519	2,879,802	11.1%	3,022,051	5.8%
NATURAL GAS PHY ON	51,415	31,694	62.2%	53,327	-3.6%
NATURAL GAS PHY ON3	0	0	-	0	-
NATURAL GAS SUMMER STRIP 4D	0	0	-	0	-
NY HARBOR HEAT OIL SWP AT	25,191	7,669	228.5%	16,510	52.6%
PETROCHEMICALS 4H	1,161	3,895	-70.2%	1,305	-11.0%
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	20	185	-89.2%	40	-50.0%

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest DEC 2023	Open Interest DEC 2022	% CHG	Open Interest NOV 2023	% CHG
Energy Options						
PJM WES HUB PEAK CAL MTH	60A	0	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	12	250	-95.2%	36	-66.7%
RBOB PHY	OB	856	3,475	-75.4%	584	46.6%
RBOB PHY	RF	689	0	-	650	6.0%
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	-
SHORT TERM NATURAL GAS	U01	0	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	0.0%
SHORT TERM NATURAL GAS	U31	0	0	-	0	-
WTI-BRENT BULLET SWAP	BV	150,365	146,125	2.9%	152,640	-1.5%
WTI CRUDE OIL 1 M CSO FI	7A	221,910	150,425	47.5%	162,910	36.2%
Metals Futures						
COMEX GOLD	GC	498,118	442,412	12.6%	498,685	-0.1%
NYMEX HOT ROLLED STEEL	HR	17,999	21,916	-17.9%	21,277	-15.4%
NYMEX PLATINUM	PL	73,135	67,817	7.8%	71,111	2.8%
PALLADIUM	PA	16,145	8,314	94.2%	19,809	-18.5%
URANIUM	UX	0	800	-100.0%	1	-100.0%
COMEX SILVER	SI	134,218	129,798	3.4%	142,847	-6.0%
COMEX E-Mini GOLD	QO	1,195	1,204	-0.7%	966	23.7%
COMEX E-Mini SILVER	QI	459	337	36.2%	365	25.8%
COMEX COPPER	HG	193,721	161,634	19.9%	176,907	9.5%
COMEX MINY COPPER	QC	362	297	21.9%	338	7.1%

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest DEC 2023	Open Interest DEC 2022	% CHG	Open Interest NOV 2023	% CHG
Metals Futures					
ALUMINUM A38	0	0	-	0	-
ALUMINUM AEP	4,555	8,439	-46.0%	3,954	15.2%
ALUMINUM ALA	50	775	-93.5%	100	-50.0%
ALUMINUM ALI	3,717	1,174	216.6%	4,193	-11.4%
ALUMINUM AUP	29,981	28,910	3.7%	31,985	-6.3%
ALUMINUM EDP	23,356	20,625	13.2%	23,688	-1.4%
ALUMINUM MJP	115	1,317	-91.3%	230	-50.0%
COBALT METAL FUTURES COB	20,018	12,773	56.7%	20,335	-1.6%
COPPER HGS	10,264	15,336	-33.1%	10,549	-2.7%
COPPER MHG	2,775	1,329	108.8%	2,032	36.6%
FERROUS PRODUCTS BUS	4,034	8,011	-49.6%	4,252	-5.1%
FERROUS PRODUCTS FSF	80	0	-	89	-10.1%
GOLD 4GC	0	0	-	0	-
GOLD SGC	409	518	-21.0%	406	0.7%
GOLD SGU	653	488	33.8%	512	27.5%
HOT ROLLED COIL STEEL FUTURES EHR	5,644	7,125	-20.8%	6,566	-14.0%
IRON ORE CHINA TIO	506	1,419	-64.3%	832	-39.2%
LITHIUM CARBONATE FUTURES LTC	225	0	-	0	-
METALS HDG	10	55	-81.8%	20	-50.0%
METALS LTH	14,522	429	3,285.1%	12,586	15.4%
METALS PAC	0	0	-	0	-
MICRO GOLD MGC	32,972	20,190	63.3%	27,558	19.6%
MOLYBDENUM OXIDE FUTURES MOX	831	0	-	535	55.3%
SILVER SIL	8,780	5,650	55.4%	6,924	26.8%
Metals Options					
ALUMINUM ALO	0	0	-	0	-
ALUMINUM AX	1,211	240	404.6%	491	146.6%
COMEX COPPER HX	73,747	82,599	-10.7%	66,389	11.1%
COMEX GOLD ECGC	0	0	0.0%	0	0.0%
COMEX GOLD OG	747,198	566,610	31.9%	786,417	-5.0%
COMEX SILVER ECSI	0	0	0.0%	0	0.0%
COMEX SILVER SO	80,972	83,271	-2.8%	89,088	-9.1%
COPPER ECHG	0	0	0.0%	0	-
COPPER H1E	44	434	-89.9%	539	-91.8%
COPPER H1M	4	9	-55.6%	122	-96.7%
COPPER H1W	3,007	49	6,036.7%	4,365	-31.1%
COPPER H2E	30	130	-76.9%	55	-45.5%
COPPER H2M	127	334	-62.0%	71	78.9%
COPPER H2W	49	30	63.3%	20	145.0%
COPPER H3E	11	26	-57.7%	78	-85.9%
COPPER H3M	0	0	-	20	-100.0%
COPPER H3W	12	13	-7.7%	0	-
COPPER H4E	0	0	-	0	-
COPPER H4M	26	105	-75.2%	0	-
COPPER H4W	1	0	-	0	-
COPPER H5E	0	0	0.0%	0	-
COPPER H5M	14	84	-83.3%	0	-
COPPER H5W	0	0	-	0	0.0%
GOLD 1FG	26	0	-	25	4.0%
GOLD 1MG	3	0	-	5	-40.0%
GOLD 1WG	20	0	-	5	300.0%
GOLD 2FG	0	0	-	23	-100.0%

NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest DEC 2023	Open Interest DEC 2022	% CHG	Open Interest NOV 2023	% CHG
Metals Options						
GOLD	2MG	9	0	-	45	-80.0%
GOLD	2WG	3	0	-	1	200.0%
GOLD	3FG	3	0	-	2	50.0%
GOLD	3MG	0	0	-	4	-100.0%
GOLD	3WG	0	0	-	0	-
GOLD	4FG	0	0	-	0	0.0%
GOLD	4MG	8	0	-	0	-
GOLD	4WG	0	0	-	0	-
GOLD	5FG	0	0	-	0	-
GOLD	5MG	0	0	-	0	-
GOLD	5WG	0	0	-	0	0.0%
GOLD	G1M	632	297	112.8%	6,631	-90.5%
GOLD	G1W	9,758	5,815	67.8%	4,034	141.9%
GOLD	G2M	4,738	2,355	101.2%	5,852	-19.0%
GOLD	G2W	1,539	706	118.0%	1,636	-5.9%
GOLD	G3M	0	0	-	2,843	-100.0%
GOLD	G3W	706	71	894.4%	252	180.2%
GOLD	G4M	1,970	1,191	65.4%	0	-
GOLD	G4W	49	8	512.5%	0	-
GOLD	G5M	940	1,035	-9.2%	0	-
GOLD	G5W	0	0	-	0	0.0%
GOLD	OG1	9,945	10,712	-7.2%	16,673	-40.4%
GOLD	OG2	3,532	5,840	-39.5%	8,500	-58.4%
GOLD	OG3	295	490	-39.8%	4,165	-92.9%
GOLD	OG4	0	0	-	566	-100.0%
GOLD	OG5	0	0	0.0%	0	-
GOLD	OMG	125	0	-	79	58.2%
IRON ORE CHINA	ICT	360	100	260.0%	360	0.0%
NYMEX HOT ROLLED STEEL	COO	15	0	-	0	-
NYMEX HOT ROLLED STEEL	HRO	7,452	5,550	34.3%	8,176	-8.9%
NYMEX HOT ROLLED STEEL	LHO	30	0	-	0	-
NYMEX PLATINUM	PO	11,282	1,580	614.1%	16,450	-31.4%
PALLADIUM	PAO	1,038	96	981.3%	814	27.5%
SILVER	M1S	140	19	636.8%	1,165	-88.0%
SILVER	M2S	932	434	114.7%	1,293	-27.9%
SILVER	M3S	0	0	-	457	-100.0%
SILVER	M4S	185	143	29.4%	0	-
SILVER	M5S	192	39	392.3%	0	-
SILVER	SO1	1,340	3,221	-58.4%	2,501	-46.4%
SILVER	SO2	790	926	-14.7%	1,779	-55.6%
SILVER	SO3	80	261	-69.3%	768	-89.6%
SILVER	SO4	0	0	-	54	-100.0%
SILVER	SO5	0	0	0.0%	0	-
SILVER	W1S	1,021	658	55.2%	632	61.6%
SILVER	W2S	204	153	33.3%	143	42.7%
SILVER	W3S	97	18	438.9%	159	-39.0%
SILVER	W4S	0	0	-	0	-
SILVER	W5S	0	0	-	0	0.0%

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest DEC 2023	Open Interest DEC 2022	% CHG	Open Interest NOV 2023	% CHG
TOTAL FUTURES GROUP					
Ag Products Futures	0	0	-	0	-
Energy Futures	6,394,340	5,591,228	14.4%	6,483,166	-1.4%
Metals Futures	1,098,849	969,092	13.4%	1,089,652	0.8%
TOTAL FUTURES	7,493,189	6,560,320	14.2%	7,572,818	-1.1%
TOTAL OPTIONS GROUP					
Energy Options	6,408,451	6,116,620	4.8%	6,325,380	1.3%
Metals Options	965,912	775,652	24.5%	1,033,747	-6.6%
TOTAL OPTIONS	7,374,363	6,892,272	7.0%	7,359,127	0.2%
TOTAL COMBINED					
Ag Products	0	0	-	0	-
Energy	12,802,791	11,707,848	9.4%	12,808,546	0.0%
Metals	2,064,761	1,744,744	18.3%	2,123,399	-2.8%
GRAND TOTAL	14,867,552	13,452,592	10.5%	14,931,945	-0.4%