

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest NOV 2024	Open Interest NOV 2023	% CHG	Open Interest OCT 2024	% CHG
<b>Ag Products Futures</b>						
IN DELIVERY EUA	ECF	82	0	-	80	2.5%
<b>Energy Futures</b>						
CRUDE OIL PHY	CL	1,760,130	1,649,235	6.7%	1,758,538	0.1%
CRUDE OIL	WS	0	0	-	0	-
MINY WTI CRUDE OIL	QM	2,087	4,951	-57.8%	3,012	-30.7%
BRENT OIL LAST DAY	BZ	156,871	149,745	4.8%	157,561	-0.4%
HEATING OIL PHY	HO	394,648	301,140	31.1%	416,785	-5.3%
HTG OIL	BH	132	96	37.5%	140	-5.7%
MINY HTG OIL	QH	0	2	-100.0%	2	-100.0%
RBOB PHY	RB	346,749	335,983	3.2%	361,930	-4.2%
MINY RBOB GAS	QU	3	0	0.0%	0	-
NATURAL GAS	HP	192,749	176,410	9.3%	197,212	-2.3%
LTD NAT GAS	HH	365,947	365,049	0.2%	371,272	-1.4%
MINY NATURAL GAS	QG	7,886	9,189	-14.2%	6,999	12.7%
NATURAL GAS PHY	NG	1,628,097	1,332,157	22.2%	1,753,531	-7.2%
RBOB GAS	RT	72	72	0.0%	78	-7.7%
AEP-DAYTON HUB DAILY	VD	0	0	-	0	-
ARGUS LLS VS. WTI (ARG) T	E5	2,055	4,950	-58.5%	2,835	-27.5%
ARGUS PROPAN FAR EST INDE	7E	5,916	7,819	-24.3%	6,555	-9.7%
ARGUS PROPAN(SAUDI ARAMCO	9N	1,943	2,663	-27.0%	1,962	-1.0%
BRENT BALMO SWAP	J9	0	0	-	0	-
BRENT CALENDAR SWAP	CY	11,307	20,783	-45.6%	12,874	-12.2%
BRENT FINANCIAL FUTURES	MBC	20	220	-90.9%	10	100.0%
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	3,754	7,103	-47.1%	4,063	-7.6%
CAR VINTAGE	NGO	3,647	8,279	-55.9%	3,961	-7.9%
CEU ENERGY	TFU	0	0	-	0	-
CEU ENERGY	TTG	403	332	21.4%	1,152	-65.0%
CHICAGO ETHANOL SWAP	CU	33,936	35,606	-4.7%	32,934	3.0%
CHICAGO ULSD PL VS HO SPR	5C	1,736	1,246	39.3%	1,931	-10.1%
CHICAGO UNL GAS PL VS RBO	3C	150	300	-50.0%	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	343	362	-5.2%	338	1.5%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,164	2,811	-58.6%	1,408	-17.3%
CONWAY PROPANE 5 DECIMALS SWAP	8K	25,843	27,973	-7.6%	28,440	-9.1%
CRUDE OIL LAST DAY	26	7	0	-	100	-93.0%
CRUDE OIL OUTRIGHTS	42	1,124	590	90.5%	1,470	-23.5%
CRUDE OIL OUTRIGHTS	CC5	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSW	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-
CRUDE OIL OUTRIGHTS	HTB	0	0	-	200	-100.0%
CRUDE OIL OUTRIGHTS	HTT	381,342	277,951	37.2%	370,608	2.9%
CRUDE OIL OUTRIGHTS	LSW	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCW	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WTB	0	0	-	0	-
CRUDE OIL OUTRIGHTS	XTT	0	0	-	500	-100.0%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	MCL	16,278	22,883	-28.9%	17,345	-6.2%
CRUDE OIL SPRDS	ANT	300	998	-69.9%	350	-14.3%
CRUDE OIL SPRDS	BKT	0	0	-	0	-

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<b>Energy Futures</b>						
CRUDE OIL SPRDS	HIL	90	0	-	90	0.0%
CRUDE OIL SPRDS	WTT	304,325	213,936	42.3%	316,488	-3.8%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	0	0	-	0	-
DAILY PJM	IDO	0	0	-	0	-
DAILY PJM	NOC	0	0	-	0	-
DAILY PJM	WOR	0	0	-	0	-
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	0	370	-100.0%	0	-
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	0	1,300	-100.0%	0	-
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	2,052	5,178	-60.4%	1,419	44.6%
EIA FLAT TAX ONHWAY DIESE	A5	2,138	1,816	17.7%	2,134	0.2%
EMMISSIONS	ACU	5	0	-	5	0.0%
EMMISSIONS	CGO	26	73	-64.4%	26	0.0%
ETHANOL	MTH	0	0	-	0	-
ETHANOL	Z1B	0	0	-	0	-
ETHANOL SWAP	MT2	350	495	-29.3%	290	20.7%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	6,556	9,123	-28.1%	6,549	0.1%
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	0	60	-100.0%	0	-
EUROPE 1% FUEL OIL NWE CA	UF	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	UV	57	86	-33.7%	60	-5.0%
EUROPEAN GASOIL (ICE)	7F	2,430	244	895.9%	2,552	-4.8%
EUROPEAN NAPHTHA BALMO	KZ	0	0	-	0	-
EUROPEAN NAPHTHA CRACK SPR	EN	4,669	7,078	-34.0%	5,454	-14.4%
EUROPE DATED BRENT SWAP	UB	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	UN	853	1,648	-48.2%	1,099	-22.4%
EURO PROPANE CIF ARA SWA	PS	1,986	2,865	-30.7%	1,866	6.4%
FREIGHT MARKETS	BG2	421	0	-	1,757	-76.0%
FREIGHT MARKETS	BL2	150	952	-84.2%	585	-74.4%
FREIGHT MARKETS	CS3	0	0	-	0	-
FREIGHT MARKETS	CS4	0	20	-100.0%	0	-
FREIGHT MARKETS	FLJ	6	36	-83.3%	9	-33.3%
FREIGHT MARKETS	FLP	4	43	-90.7%	6	-33.3%
FREIGHT MARKETS	FRC	0	0	-	0	-
FREIGHT MARKETS	T2D	0	6	-100.0%	0	-
FREIGHT MARKETS	TC6	0	0	-	0	-
FREIGHT MARKETS	TD3	0	0	-	0	-
FUEL OIL CRACK VS ICE	FO	0	6	-100.0%	0	-
FUEL OIL NWE CRACK VS ICE	FI	0	20	-100.0%	0	-
FUELOIL SWAP:CARGOES VS.B	FS	0	0	-	0	-
GAS EURO-BOB OXY NWE BARGES	7H	2,062	817	152.4%	1,153	78.8%
GAS EURO-BOB OXY NWE BARGES CRK	7K	8,557	6,077	40.8%	6,074	40.9%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0	-
GASOIL 0.1 ROTTERDAM BARG	VL	0	1	-100.0%	0	-
GASOIL 10PPM VS ICE SWAP	TP	2	12	-83.3%	3	-33.3%
GASOIL CALENDAR SWAP	GX	35	66	-47.0%	45	-22.2%
GASOIL CRACK SPREAD CALEN	GZ	574	560	2.5%	621	-7.6%
GASOIL MINI CALENDAR SWAP	QA	962	556	73.0%	933	3.1%

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<b>Energy Futures</b>						
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	0	0	-	0	-
GRP THREE ULSD(PLT)VS HEA	A6	9,760	4,936	97.7%	9,961	-2.0%
GRP THREE UNL GS (PLT) VS	A8	3,885	4,298	-9.6%	2,835	37.0%
GULF COAST 3% FUEL OIL BA	VZ	0	0	-	0	-
GULF COAST JET FUEL CLNDR	GE	204	0	-	204	0.0%
GULF COAST JET VS NYM 2 H	ME	16,750	11,061	51.4%	18,482	-9.4%
GULF COAST NO.6 FUEL OIL	MF	3,416	2,268	50.6%	6,047	-43.5%
GULF COAST NO.6 FUEL OIL	MG	14,727	18,271	-19.4%	14,754	-0.2%
GULF COAST ULSD CALENDAR	LY	2,172	1,878	15.7%	2,164	0.4%
GULF COAST ULSD CRACK SPR	GY	0	0	-	0	-
HEATING OIL BALMO CLNDR S	1G	0	200	-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	1	0	-	0	-
HENRY HUB FINANCIAL LAST	HHW	0	0	-	0	-
HENRY HUB SWAP	NN	319,468	395,178	-19.2%	318,801	0.2%
ICE BRENT DUBAI SWAP	DB	0	0	-	0	-
INDONESIAN COAL ICI4	ICI	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	JB	825	5	16,400.0%	1,045	-21.1%
JAPAN C&F NAPHTHA SWAP	JA	983	528	86.2%	1,001	-1.8%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	-	0	-
JET CIF NWE VS ICE	JC	48	240	-80.0%	60	-20.0%
JET FUEL UP-DOWN BALMO CL	1M	750	200	275.0%	1,225	-38.8%
JKM LNG Futures	JKM	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	KL	518	291	78.0%	591	-12.4%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	-	0	-
LA JET (OPIS) SWAP	JS	3,755	450	734.4%	3,235	16.1%
LLS (ARGUS) VS WTI SWAP	WJ	40	354	-88.7%	60	-33.3%
MARS (ARGUS) VS WTI SWAP	YX	0	0	-	0	-
MARS (ARGUS) VS WTI TRD M	YV	7,955	3,540	124.7%	9,515	-16.4%
MCCLOSKEY ARA ARGS COAL	MTF	2,763	5,967	-53.7%	2,627	5.2%
MCCLOSKEY RCH BAY COAL	MFF	0	22	-100.0%	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	0	0	-	0	-
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	0	-	0	-
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	134	291	-54.0%	50	168.0%
MJC FUT	MJC	30	60	-50.0%	30	0.0%
MNC FUT	MNC	483	1,446	-66.6%	431	12.1%
MONT BELVIEU ETHANE 5 DECIMAL	C0	53,905	52,627	2.4%	56,791	-5.1%
MONT BELVIEU ETHANE OPIS BALMO	8C	700	600	16.7%	150	366.7%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	148,901	155,959	-4.5%	157,080	-5.2%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	457	1,330	-65.6%	1,359	-66.4%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	32,346	30,789	5.1%	34,061	-5.0%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	1,025	739	38.7%	776	32.1%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	54,612	62,578	-12.7%	64,752	-15.7%
MONT BELVIEU NORMAL BUTANE BALMO	8J	308	1,315	-76.6%	609	-49.4%
NATURAL GAS	NWM	0	0	-	0	-
NATURAL GAS PEN SWP	NP	167,032	128,213	30.3%	136,091	22.7%
NATURAL GAS PHY	MNG	11,231	13,979	-19.7%	5,079	121.1%
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	650	800	-18.8%	900	-27.8%

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<b>Energy Futures</b>						
NEW YORK HUB ZONE G PEAK	GN	0	0	-	0	-
N ILLINOIS HUB DAILY	UD	0	0	-	0	-
NY1% VS GC SPREAD SWAP	VR	0	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	13,833	10,731	28.9%	14,687	-5.8%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	-	0	-
NY HARBOR RESIDUAL FUEL 1	MM	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	8,975	19,634	-54.3%	10,206	-12.1%
NYISO ZONE G 5MW D AH PK	T3	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	1,196	2,883	-58.5%	1,033	15.8%
PETROCHEMICALS	22	61	111	-45.0%	53	15.1%
PETROCHEMICALS	32	6	56	-89.3%	10	-40.0%
PETROCHEMICALS	3NA	180	128	40.6%	210	-14.3%
PETROCHEMICALS	51	12	45	-73.3%	12	0.0%
PETROCHEMICALS	81	0	10	-100.0%	0	-
PETROCHEMICALS	8I	2,140	4,317	-50.4%	2,340	-8.5%
PETROCHEMICALS	91	759	1,064	-28.7%	825	-8.0%
PETROCHEMICALS	MAA	20	0	-	170	-88.2%
PETROCHEMICALS	MAE	1,350	2,720	-50.4%	1,617	-16.5%
PETROCHEMICALS	MAS	260	953	-72.7%	270	-3.7%
PETROCHEMICALS	MBA	0	0	-	5	-100.0%
PETROCHEMICALS	MBE	100	0	-	150	-33.3%
PETROCHEMICALS	MNB	0	0	-	0	-
PETROCHEMICALS	MPS	2,834	3,224	-12.1%	2,733	3.7%
PETROCHEMICALS	PMF	48	39	23.1%	50	-4.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	-	0	-
PETRO CRCKS & SPRDS NA	CRB	16,380	16,505	-0.8%	16,567	-1.1%
PETRO CRCKS & SPRDS NA	EXR	879	1,484	-40.8%	796	10.4%
PETRO CRCKS & SPRDS NA	GBB	0	25	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GCI	13	250	-94.8%	13	0.0%
PETRO CRCKS & SPRDS NA	GCU	201	906	-77.8%	224	-10.3%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	200	-100.0%
PETRO CRCKS & SPRDS NA	HOB	540	1,300	-58.5%	675	-20.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	6,075	2,811	116.1%	6,400	-5.1%
PETRO CRCKS & SPRDS NA	RVG	524	3,728	-85.9%	399	31.3%
PETRO CRCKS & SPRDS NA	SF3	18	8	125.0%	0	-
PETRO CRK&SPRD EURO	1NB	1,547	44	3,415.9%	1,578	-2.0%
PETRO CRK&SPRD EURO	43	0	0	-	0	-
PETRO CRK&SPRD EURO	BOB	0	12	-100.0%	0	-
PETRO CRK&SPRD EURO	EOB	0	5	-100.0%	0	-
PETRO CRK&SPRD EURO	EPN	652	960	-32.1%	594	9.8%
PETRO CRK&SPRD EURO	EVC	0	150	-100.0%	0	-
PETRO CRK&SPRD EURO	GOC	0	0	-	0	-
PETRO CRK&SPRD EURO	MUD	0	30	-100.0%	0	-
PETRO CRK&SPRD EURO	NOB	50	555	-91.0%	75	-33.3%
PETROLEUM PRODUCTS	1NM	0	0	-	0	-
PETROLEUM PRODUCTS	BEF	0	0	-	0	-
PETROLEUM PRODUCTS	CMS	1,050	200	425.0%	800	31.3%
PETROLEUM PRODUCTS	EWG	1,400	146	858.9%	550	154.5%
PETROLEUM PRODUCTS	H5F	0	50	-100.0%	0	-
PETROLEUM PRODUCTS	JCC	1,929	4,846	-60.2%	2,215	-12.9%
PETROLEUM PRODUCTS	R5F	52	56	-7.1%	53	-1.9%

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<b>Energy Futures</b>						
PETROLEUM PRODUCTS	RN6	46	0	-	46	0.0%
PETROLEUM PRODUCTS	S53	0	2	-100.0%	0	-
PETROLEUM PRODUCTS	UCD	90	0	-	90	0.0%
PETROLEUM PRODUCTS	VU	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	MJN	690	1,145	-39.7%	610	13.1%
PETRO OUTRIGHT EURO	0B	0	0	-	0	-
PETRO OUTRIGHT EURO	0D	104	192	-45.8%	176	-40.9%
PETRO OUTRIGHT EURO	0E	0	0	-	0	-
PETRO OUTRIGHT EURO	0F	0	15	-100.0%	30	-100.0%
PETRO OUTRIGHT EURO	5L	0	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	230	255	-9.8%	110	109.1%
PETRO OUTRIGHT EURO	EWN	389	557	-30.2%	485	-19.8%
PETRO OUTRIGHT EURO	M1B	1,588	1,347	17.9%	1,863	-14.8%
PETRO OUTRIGHT EURO	MBB	0	0	-	100	-100.0%
PETRO OUTRIGHT EURO	MBN	1,245	2,883	-56.8%	1,424	-12.6%
PETRO OUTRIGHT EURO	MEF	10	60	-83.3%	15	-33.3%
PETRO OUTRIGHT EURO	MQA	75	387	-80.6%	126	-40.5%
PETRO OUTRIGHT EURO	R53	0	0	-	0	-
PETRO OUTRIGHT EURO	R5M	1,435	1,952	-26.5%	1,418	1.2%
PETRO OUTRIGHT EURO	R5O	1,059	984	7.6%	1,160	-8.7%
PETRO OUTRIGHT EURO	RBM	0	0	-	0	-
PETRO OUTRIGHT EURO	S5B	0	89	-100.0%	0	-
PETRO OUTRIGHT EURO	S5F	680	407	67.1%	534	27.3%
PETRO OUTRIGHT EURO	S5M	2,616	2,544	2.8%	2,482	5.4%
PETRO OUTRIGHT EURO	S5O	400	1,304	-69.3%	517	-22.6%
PETRO OUTRIGHT EURO	SMU	0	0	-	0	-
PETRO OUTRIGHT EURO	SR5	0	16	-100.0%	0	-
PETRO OUTRIGHT EURO	ULB	0	0	-	0	-
PETRO OUTRIGHT EURO	V0	0	0	-	0	-
PETRO OUTRIGHT NA	A8B	35	25	40.0%	50	-30.0%
PETRO OUTRIGHT NA	AB6	625	150	316.7%	970	-35.6%
PETRO OUTRIGHT NA	BCR	1,600	325	392.3%	1,500	6.7%
PETRO OUTRIGHT NA	JE	44	0	-	66	-33.3%
PETRO OUTRIGHT NA	JET	1,350	3,220	-58.1%	1,775	-23.9%
PETRO OUTRIGHT NA	JTB	0	50	-100.0%	0	-
PETRO OUTRIGHT NA	MBL	0	227	-100.0%	0	-
PETRO OUTRIGHT NA	MEN	0	0	-	0	-
PETRO OUTRIGHT NA	MEO	291	78	273.1%	100	191.0%
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	0	126	-100.0%	0	-
PJM NI HUB 5MW REAL TIME	B3	0	0	-	0	-
PJM WESTH RT OFF-PEAK	N9	0	0	-	0	-
PJM WESTH RT PEAK	L1	0	1,260	-100.0%	0	-
PLASTICS	PGP	6,492	5,156	25.9%	5,809	11.8%
PREMIUM UNLD 10P FOB MED	3G	0	0	-	0	-

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<b>Energy Futures</b>						
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	330	1,003	-67.1%	110	200.0%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	33,280	55,180	-39.7%	32,978	0.9%
RBOB CALENDAR SWAP	RL	10,201	12,302	-17.1%	15,053	-32.2%
RBOB CRACK SPREAD	RM	1,645	7,554	-78.2%	2,110	-22.0%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	50	215	-76.7%	578	-91.3%
RBOB PHY	MRB	0	0	0.0%	0	-
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB VS HEATING OIL SWAP	RH	865	70	1,135.7%	225	284.4%
SINGAPORE 180CST BALMO	BS	0	0	-	0	-
SINGAPORE 380CST BALMO	BT	0	0	-	0	-
SINGAPORE 380CST FUEL OIL	SE	446	369	20.9%	830	-46.3%
SINGAPORE FUEL 180CST CAL	UA	15	12	25.0%	15	0.0%
SINGAPORE FUEL OIL 180 CS	GMS	0	0	-	0	-
SINGAPORE FUEL OIL SPREAD	SD	0	6	-100.0%	0	-
SINGAPORE GASOIL	MAF	0	0	-	0	-
SINGAPORE GASOIL	MTB	0	0	-	0	-
SINGAPORE GASOIL	MTS	350	303	15.5%	337	3.9%
SINGAPORE GASOIL	SBM	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	92	135	-31.9%	104	-11.5%
SINGAPORE GASOIL SWAP	SG	1	154	-99.4%	1	0.0%
SINGAPORE GASOIL VS ICE	GA	0	374	-100.0%	0	-
SINGAPORE JET KERO GASOIL	RK	0	362	-100.0%	0	-
SINGAPORE JET KEROSENE SW	KS	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	600	64	837.5%	600	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	48	-100.0%	0	-
TC5 RAS TANURA TO YOKOHAM	TH	0	20	-100.0%	0	-
TD3 MEG TO JAPAN 250K MT	TL	710	1,390	-48.9%	765	-7.2%
ULSD UP-DOWN BALMO SWP	1L	6,185	7,760	-20.3%	10,530	-41.3%
UP DOWN GC ULSD VS NMX HO	LT	45,460	34,225	32.8%	53,507	-15.0%
WTI-BRENT BULLET SWAP	BY	252	0	-	252	0.0%
WTI-BRENT CALENDAR SWAP	BK	145,291	169,067	-14.1%	137,158	5.9%
WTI CALENDAR	CS	149,747	160,651	-6.8%	156,481	-4.3%
WTI MIDLAND CRUDE OIL	WTL	0	0	-	380	-100.0%
WTS (ARGUS) VS WTI SWAP	FF	12,931	26,255	-50.7%	13,812	-6.4%
WTS (ARGUS) VS WTI TRD MT	FH	300	150	100.0%	375	-20.0%
<b>Energy Options</b>						
BRENT CALENDAR SWAP	BA	1,028	2,996	-65.7%	1,359	-24.4%
BRENT CRUDE OIL 1 M CSO	9C	46,350	9,575	384.1%	52,450	-11.6%
BRENT OIL LAST DAY	BE	11,190	12,096	-7.5%	11,193	0.0%
BRENT OIL LAST DAY	BZO	7,005	1,980	253.8%	12,989	-46.1%
COAL API2 INDEX	F2C	350	460	-23.9%	350	0.0%
COAL API2 INDEX	F2Q	0	0	-	0	-
CRUDE OIL 1MO	WA	132,150	172,875	-23.6%	134,930	-2.1%
CRUDE OIL APO	AO	271,288	225,559	20.3%	286,457	-5.3%
CRUDE OIL OUTRIGHTS	ECCL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	LC	86,674	52,124	66.3%	85,038	1.9%
CRUDE OIL PHY	LO	1,941,014	2,068,507	-6.2%	2,523,804	-23.1%
CRUDE OIL PHY	LO1	14,363	48,647	-70.5%	36,447	-60.6%
CRUDE OIL PHY	LO2	449	3,738	-88.0%	4,898	-90.8%
CRUDE OIL PHY	LO3	205	379	-45.9%	119	72.3%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest NOV 2024	Open Interest NOV 2023	% CHG	Open Interest OCT 2024	% CHG
<b>Energy Options</b>					
CRUDE OIL PHY LO4	0	115	-100.0%	69	-100.0%
CRUDE OIL PHY LO5	0	0	-	0	-
CRUDE OIL PHY MCO	4,092	11,434	-64.2%	5,023	-18.5%
CRUDE OIL PHY ML1	8,684	8,392	3.5%	12,903	-32.7%
CRUDE OIL PHY ML2	288	469	-38.6%	1,668	-82.7%
CRUDE OIL PHY ML3	12	0	-	30	-60.0%
CRUDE OIL PHY ML4	8	0	-	4	100.0%
CRUDE OIL PHY ML5	0	0	-	0	-
CRUDE OIL PHY MW1	304	846	-64.1%	496	-38.7%
CRUDE OIL PHY MW2	0	255	-100.0%	81	-100.0%
CRUDE OIL PHY MW3	0	0	-	0	-
CRUDE OIL PHY MW4	0	0	-	0	-
CRUDE OIL PHY MW5	0	0	-	0	-
CRUDE OIL PHY NL1	1,399	0	-	4,795	-70.8%
CRUDE OIL PHY NL2	23	0	-	14	64.3%
CRUDE OIL PHY NL3	43	0	-	25	72.0%
CRUDE OIL PHY NL4	1	0	-	1	0.0%
CRUDE OIL PHY NL5	0	0	-	0	-
CRUDE OIL PHY WL1	3,437	4,627	-25.7%	3,130	9.8%
CRUDE OIL PHY WL2	111	318	-65.1%	31	258.1%
CRUDE OIL PHY WL3	30	1	2,900.0%	32	-6.3%
CRUDE OIL PHY WL4	0	0	-	0	-
CRUDE OIL PHY WL5	0	0	0.0%	0	0.0%
CRUDE OIL PHY XL1	800	0	-	58	1,279.3%
CRUDE OIL PHY XL2	82	0	-	84	-2.4%
CRUDE OIL PHY XL3	32	0	-	7	357.1%
CRUDE OIL PHY XL4	234	0	-	0	-
CRUDE OIL PHY XL5	0	0	-	0	0.0%
ELEC FINSETTLED PJN	0	0	-	0	-
ETHANOL SWAP CVR	4,257	6,206	-31.4%	3,454	23.2%
ETHANOL SWAP GVR	1,260	0	-	1,260	0.0%
FREIGHT MARKETS FLO	60	0	-	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS 3W	0	0	-	0	-
HEATING OIL PHY LB	50	364	-86.3%	60	-16.7%
HEATING OIL PHY OH	33,054	16,451	100.9%	46,536	-29.0%
HENRY HUB FINANCIAL LAST E7	151,261	108,833	39.0%	156,111	-3.1%
HENRY HUB FINANCIAL LAST ECNG	0	0	0.0%	0	0.0%
HO 1 MONTH CLNDR OPTIONS FA	250	5,050	-95.0%	2,650	-90.6%
LLS CRUDE OIL HTO	0	0	-	0	-
LLS CRUDE OIL WTO	11,400	3,000	280.0%	12,450	-8.4%
MCCLOSKEY ARA ARGS COAL MTO	0	0	-	0	-
NATURAL GAS LN1	1,160	323	259.1%	1,841	-37.0%
NATURAL GAS LN2	84	88	-4.5%	1,038	-91.9%
NATURAL GAS LN3	33	3	1,000.0%	220	-85.0%
NATURAL GAS LN4	0	5	-100.0%	731	-100.0%
NATURAL GAS LN5	0	0	-	0	-
NATURAL GAS 1 M CSO FIN G4	154,675	119,487	29.4%	151,385	2.2%
NATURAL GAS 2 M CSO FIN G2	4,800	2,000	140.0%	2,500	92.0%
NATURAL GAS 3 M CSO FIN G3	99,235	22,750	336.2%	55,250	79.6%
NATURAL GAS 5 M CSO FIN G5	0	2,000	-100.0%	0	-
NATURAL GAS 6 M CSO FIN G6	52,565	1,350	3,793.7%	34,950	50.4%
NATURAL GAS OPT JFO	0	0	-	0	-



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	Commodity	Open Interest NOV 2024	Open Interest NOV 2023	% CHG	Open Interest OCT 2024	% CHG
<b>Energy Options</b>						
NATURAL GAS OPT	JKO	0	0	-	0	-
NATURAL GAS OPT	TFO	0	0	-	0	-
NATURAL GAS OPTION ON CALENDAR STRP	6J	8,944	2,024	341.9%	8,704	2.8%
NATURAL GAS PHY	KD	0	0	0.0%	0	-
NATURAL GAS PHY	LN	3,742,120	3,022,051	23.8%	3,602,571	3.9%
NATURAL GAS PHY	ON	88,202	53,327	65.4%	78,148	12.9%
NATURAL GAS PHY	ON3	0	0	-	0	-
NY HARBOR HEAT OIL SWP	AT	33,277	16,510	101.6%	38,412	-13.4%
PETROCHEMICALS	4H	1,467	1,305	12.4%	1,732	-15.3%
PETROCHEMICALS	4J	0	0	-	0	-
PETRO OUTRIGHT NA	DAP	0	40	-100.0%	0	-
PJM WES HUB PEAK CAL MTH	6OA	0	0	-	0	-
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-
RBOB CALENDAR SWAP	RA	526	36	1,361.1%	633	-16.9%
RBOB PHY	OB	1,959	584	235.4%	3,380	-42.0%
RBOB PHY	RF	42	650	-93.5%	49	-14.3%
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	149,330	152,640	-2.2%	136,700	9.2%
WTI CRUDE OIL 1 M CSO FI	7A	327,550	162,910	101.1%	355,205	-7.8%
WTI CRUDE OIL 1 M CSO FI	BVX	0	0	-	0	-



## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest NOV 2024	Open Interest NOV 2023	% CHG	Open Interest OCT 2024	% CHG
<b>Metals Futures</b>						
COMEX GOLD	GC	457,765	498,685	-8.2%	568,592	-19.5%
NYMEX HOT ROLLED STEEL	HR	31,422	21,277	47.7%	27,819	13.0%
NYMEX PLATINUM	PL	92,455	71,111	30.0%	86,366	7.1%
PALLADIUM	PA	15,571	19,809	-21.4%	17,714	-12.1%
URANIUM	UX	150	1	14,900.0%	150	0.0%
COMEX SILVER	SI	132,898	142,847	-7.0%	155,148	-14.3%
COMEX E-Mini GOLD	QO	942	966	-2.5%	1,306	-27.9%
COMEX E-Mini SILVER	QI	560	365	53.4%	1,034	-45.8%
COMEX COPPER	HG	210,192	176,907	18.8%	245,949	-14.5%
COMEX MINY COPPER	QC	325	338	-3.8%	319	1.9%
ALUMINUM	AEP	3,829	3,954	-3.2%	3,217	19.0%
ALUMINUM	ALA	132	100	32.0%	120	10.0%
ALUMINUM	ALI	1,358	4,193	-67.6%	1,417	-4.2%
ALUMINUM	AUP	29,196	31,985	-8.7%	28,534	2.3%
ALUMINUM	EDP	20,156	23,688	-14.9%	20,185	-0.1%
ALUMINUM	MJP	480	230	108.7%	570	-15.8%
COBALT METAL FUTURES	COB	15,763	20,335	-22.5%	16,680	-5.5%
COBALT METAL FUTURES	COH	920	0	-	960	-4.2%
COPPER	HGS	9,116	10,549	-13.6%	9,958	-8.5%
COPPER	MHG	3,287	2,032	61.8%	5,575	-41.0%
FERROUS PRODUCTS	BUS	3,767	4,252	-11.4%	3,924	-4.0%
FERROUS PRODUCTS	FSF	107	89	20.2%	117	-8.5%
FERROUS PRODUCTS	SHR	0	0	-	0	-
GOLD	SGC	305	406	-24.9%	375	-18.7%
GOLD	SGU	509	512	-0.6%	579	-12.1%
HOT ROLLED COIL STEEL FUTURES	EHR	11,863	6,566	80.7%	11,856	0.1%
IRON ORE CHINA	TIO	100	832	-88.0%	100	0.0%
LITHIUM CARBONATE FUTURES	LTC	1,627	0	-	1,487	9.4%
METALS	HDG	915	20	4,475.0%	925	-1.1%
METALS	LTH	33,134	12,586	163.3%	31,936	3.8%
METALS	PAC	0	0	-	0	-
MICRO GOLD	MGC	27,614	27,558	0.2%	54,231	-49.1%
MOLYBDENUM OXIDE FUTURES	MOX	630	535	17.8%	730	-13.7%
SILVER	SIL	9,371	6,924	35.3%	12,563	-25.4%
SPODUMENE	SPM	39	0	-	39	0.0%
<b>Metals Options</b>						
ALUMINUM	ALO	0	0	-	0	-
ALUMINUM	AX	2,831	491	476.6%	708	299.9%
COMEX COPPER	HX	133,491	66,389	101.1%	200,566	-33.4%
COMEX GOLD	ECGC	0	0	0.0%	0	0.0%
COMEX GOLD	OG	844,205	786,417	7.3%	1,009,609	-16.4%
COMEX SILVER	ECSI	0	0	0.0%	0	0.0%
COMEX SILVER	SO	112,175	89,088	25.9%	176,139	-36.3%
COPPER	ECHG	0	0	-	0	0.0%
COPPER	H1E	232	539	-57.0%	635	-63.5%
COPPER	H1M	244	122	100.0%	462	-47.2%
COPPER	H1R	92	0	-	0	-
COPPER	H1T	15	0	-	412	-96.4%
COPPER	H1W	535	4,365	-87.7%	1,469	-63.6%
COPPER	H2E	74	55	34.5%	599	-87.6%
COPPER	H2M	68	71	-4.2%	16	325.0%
COPPER	H2R	6	0	-	21	-71.4%

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	Commodity	Open Interest NOV 2024	Open Interest NOV 2023	% CHG	Open Interest OCT 2024	% CHG
<b>Metals Options</b>						
COPPER	H2T	1	0	-	10	-90.0%
COPPER	H2W	9	20	-55.0%	28	-67.9%
COPPER	H3E	79	78	1.3%	17	364.7%
COPPER	H3M	23	20	15.0%	6	283.3%
COPPER	H3R	16	0	-	0	-
COPPER	H3T	4	0	-	12	-66.7%
COPPER	H3W	0	0	-	4	-100.0%
COPPER	H4E	0	0	-	1	-100.0%
COPPER	H4M	0	0	-	0	-
COPPER	H4R	0	0	-	0	-
COPPER	H4T	0	0	-	0	-
COPPER	H4W	0	0	-	0	-
COPPER	H5E	0	0	-	0	-
COPPER	H5M	0	0	-	0	-
COPPER	H5R	0	0	-	0	0.0%
COPPER	H5T	0	0	-	0	-
COPPER	H5W	0	0	0.0%	0	0.0%
GOLD	1FG	31	25	24.0%	95	-67.4%
GOLD	1MG	31	5	520.0%	13	138.5%
GOLD	1WG	78	5	1,460.0%	16	387.5%
GOLD	2FG	11	23	-52.2%	32	-65.6%
GOLD	2MG	0	45	-100.0%	15	-100.0%
GOLD	2WG	37	1	3,600.0%	3	1,133.3%
GOLD	3FG	0	2	-100.0%	15	-100.0%
GOLD	3MG	3	4	-25.0%	0	-
GOLD	3WG	3	0	-	7	-57.1%
GOLD	4FG	0	0	0.0%	0	-
GOLD	4MG	0	0	-	0	-
GOLD	4WG	0	0	-	0	-
GOLD	5FG	0	0	-	0	-
GOLD	5MG	0	0	-	0	-
GOLD	5WG	0	0	0.0%	0	0.0%
GOLD	G1M	9,739	6,631	46.9%	12,063	-19.3%
GOLD	G1R	4,574	0	-	1,999	128.8%
GOLD	G1T	1,572	0	-	4,797	-67.2%
GOLD	G1W	3,168	4,034	-21.5%	6,363	-50.2%
GOLD	G2M	6,222	5,852	6.3%	2,870	116.8%
GOLD	G2R	3,691	0	-	234	1,477.4%
GOLD	G2T	1,526	0	-	1,068	42.9%
GOLD	G2W	2,085	1,636	27.4%	1,669	24.9%
GOLD	G3M	5,915	2,843	108.1%	2,576	129.6%
GOLD	G3R	1,176	0	-	85	1,283.5%
GOLD	G3T	131	0	-	137	-4.4%
GOLD	G3W	316	252	25.4%	504	-37.3%
GOLD	G4M	277	0	-	0	-
GOLD	G4R	0	0	-	0	-
GOLD	G4T	21	0	-	100	-79.0%
GOLD	G4W	0	0	-	2	-100.0%
GOLD	G5M	0	0	-	0	-
GOLD	G5R	0	0	-	0	0.0%
GOLD	G5T	0	0	-	0	-
GOLD	G5W	0	0	0.0%	0	0.0%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest NOV 2024	Open Interest NOV 2023	% CHG	Open Interest OCT 2024	% CHG
<b>Metals Options</b>						
GOLD	OG1	12,697	16,673	-23.8%	23,255	-45.4%
GOLD	OG2	4,471	8,500	-47.4%	13,534	-67.0%
GOLD	OG3	4,639	4,165	11.4%	2,911	59.4%
GOLD	OG4	0	566	-100.0%	390	-100.0%
GOLD	OG5	0	0	-	0	-
GOLD	OMG	78	79	-1.3%	291	-73.2%
IRON ORE CHINA	ICT	0	360	-100.0%	0	-
NYMEX HOT ROLLED STEEL	COO	2,380	0	-	1,960	21.4%
NYMEX HOT ROLLED STEEL	EHO	180	0	-	150	20.0%
NYMEX HOT ROLLED STEEL	HRO	10,429	8,176	27.6%	11,130	-6.3%
NYMEX HOT ROLLED STEEL	LHO	741	0	-	814	-9.0%
NYMEX PLATINUM	PO	50,442	16,450	206.6%	50,145	0.6%
PALLADIUM	PAO	4,094	814	402.9%	6,396	-36.0%
SILVER	M1S	1,848	1,165	58.6%	2,084	-11.3%
SILVER	M2S	808	1,293	-37.5%	943	-14.3%
SILVER	M3S	146	457	-68.1%	324	-54.9%
SILVER	M4S	13	0	-	0	-
SILVER	M5S	0	0	-	0	-
SILVER	R1S	649	0	-	357	81.8%
SILVER	R2S	706	0	-	184	283.7%
SILVER	R3S	195	0	-	16	1,118.8%
SILVER	R4S	0	0	-	0	-
SILVER	R5S	0	0	-	0	0.0%
SILVER	S1T	443	0	-	1,654	-73.2%
SILVER	S2T	225	0	-	369	-39.0%
SILVER	S3T	27	0	-	45	-40.0%
SILVER	S4T	10	0	-	23	-56.5%
SILVER	S5T	0	0	-	0	-
SILVER	SO1	3,033	2,501	21.3%	5,702	-46.8%
SILVER	SO2	806	1,779	-54.7%	2,898	-72.2%
SILVER	SO3	536	768	-30.2%	833	-35.7%
SILVER	SO4	0	54	-100.0%	601	-100.0%
SILVER	SO5	0	0	-	0	-
SILVER	W1S	405	632	-35.9%	808	-49.9%
SILVER	W2S	45	143	-68.5%	233	-80.7%
SILVER	W3S	70	159	-56.0%	33	112.1%
SILVER	W4S	0	0	-	0	-
SILVER	W5S	0	0	0.0%	0	0.0%

### TOTAL FUTURES GROUP

Ag Products Futures	82	0	-	80	2.5%
Energy Futures	7,037,712	6,483,166	8.6%	7,229,247	-2.6%
Metals Futures	1,116,498	1,089,652	2.5%	1,310,475	-14.8%
<b>TOTAL FUTURES</b>	<b>8,154,292</b>	<b>7,572,818</b>	<b>7.7%</b>	<b>8,539,802</b>	<b>-4.5%</b>



## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest NOV 2024	Open Interest NOV 2023	% CHG	Open Interest OCT 2024	% CHG
<b>TOTAL OPTIONS GROUP</b>					
Energy Options	7,399,207	6,325,380	17.0%	7,874,455	-6.0%
Metals Options	1,234,823	1,033,747	19.5%	1,553,460	-20.5%
<b>TOTAL OPTIONS</b>	<b>8,634,030</b>	<b>7,359,127</b>	<b>17.3%</b>	<b>9,427,915</b>	<b>-8.4%</b>
<b>TOTAL COMBINED</b>					
Ag Products	82	0	-	80	2.5%
Energy	14,436,919	12,808,546	12.7%	15,103,702	-4.4%
Metals	2,351,321	2,123,399	10.7%	2,863,935	-17.9%
<b>GRAND TOTAL</b>	<b>16,788,322</b>	<b>14,931,945</b>	<b>12.4%</b>	<b>17,967,717</b>	<b>-6.6%</b>