



## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest NOV 2022	Open Interest NOV 2021	% CHG	Open Interest OCT 2022	% CHG	
<b>Ag Products Futures</b>						
COFFEE	KT	0	0	-	0	-
COTTON	TT	0	0	-	0	-
SUGAR 11	YO	0	0	-	0	-
<b>Energy Futures</b>						
CRUDE OIL PHY	CL	1,420,782	2,033,286	-30.1%	1,454,097	-2.3%
CRUDE OIL	WS	0	8	-100.0%	0	-
MINY WTI CRUDE OIL	QM	7,233	6,535	10.7%	8,289	-12.7%
BRENT OIL LAST DAY	BZ	155,569	217,781	-28.6%	162,859	-4.5%
HEATING OIL PHY	HO	270,970	298,300	-9.2%	267,097	1.5%
HTG OIL	BH	108	118	-8.5%	117	-7.7%
MINY HTG OIL	QH	1	2	-50.0%	1	0.0%
RBOB PHY	RB	247,779	285,445	-13.2%	228,370	8.5%
MINY RBOB GAS	QU	1	2	-50.0%	0	0.0%
NATURAL GAS	HP	186,302	170,311	9.4%	198,235	-6.0%
LTD NAT GAS	HH	360,363	512,489	-29.7%	363,167	-0.8%
MINY NATURAL GAS	QG	6,932	5,068	36.8%	5,018	38.1%
PJM MONTHLY	JM	0	0	-	0	-
NATURAL GAS PHY	NG	990,271	1,269,879	-22.0%	977,718	1.3%
RBOB GAS	RT	72	84	-14.3%	79	-8.9%
3.5% FUEL OIL CID MED SWA	7D	0	0	-	0	-
AEP-DAYTON HUB DAILY	VD	10	10	0.0%	10	0.0%
ARGUS LLS VS. WTI (ARG) T	E5	6,200	11,876	-47.8%	8,085	-23.3%
ARGUS PROPAN FAR EST INDE	7E	5,478	5,764	-5.0%	5,299	3.4%
ARGUS PROPAN(SAUDI ARAMCO	9N	2,040	1,658	23.0%	1,802	13.2%
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-
BRENT BALMO SWAP	J9	0	0	-	0	-
BRENT CALENDAR SWAP	CY	36,409	16,874	115.8%	39,111	-6.9%
BRENT FINANCIAL FUTURES	BB	0	0	-	0	-
BRENT FINANCIAL FUTURES	MBC	10	0	-	10	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	12,500	4,329	188.8%	7,198	73.7%
CAR VINTAGE	NGO	15,196	9,274	63.9%	14,160	7.3%
CHICAGO ETHANOL SWAP	CU	25,765	39,090	-34.1%	27,333	-5.7%
CHICAGO ULSD PL VS HO SPR	5C	1,249	592	111.0%	1,432	-12.8%
CHICAGO UNL GAS PL VS RBO	3C	0	75	-100.0%	0	-
CIG BASIS	CI	0	0	-	0	-
CIN HUB 5MW D AH PK	H5	0	0	-	0	-
CIN HUB 5MW REAL TIME O P	H4	0	0	-	0	-
CIN HUB 5MW REAL TIME PK	H3	0	0	-	0	-
COLUMB GULF MAINLINE NG B	5Z	0	0	-	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	838	2,208	-62.0%	986	-15.0%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,384	1,619	-14.5%	1,341	3.2%
CONWAY PROPANE 5 DECIMALS SWAP	8K	29,147	24,104	20.9%	29,582	-1.5%
CRUDE OIL	LPS	0	0	-	0	-
CRUDE OIL LAST DAY	26	0	0	-	0	-
CRUDE OIL OUTRIGHTS	42	524	167	213.8%	416	26.0%
CRUDE OIL OUTRIGHTS	CC5	165	2,337	-92.9%	272	-39.3%
CRUDE OIL OUTRIGHTS	CSW	0	45	-100.0%	30	-100.0%

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<b>Energy Futures</b>						
CRUDE OIL OUTRIGHTS	DAB	0	0	-	0	-
CRUDE OIL OUTRIGHTS	DBL	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	0	1,620	-100.0%	135	-100.0%
CRUDE OIL OUTRIGHTS	HTT	139,819	112,485	24.3%	146,203	-4.4%
CRUDE OIL OUTRIGHTS	LSW	120	2,865	-95.8%	190	-36.8%
CRUDE OIL OUTRIGHTS	WCW	0	9,215	-100.0%	375	-100.0%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	0	0	-	0	-
CRUDE OIL PHY	MCL	70,387	31,477	123.6%	58,050	21.3%
CRUDE OIL SPRDS	38	0	0	-	0	-
CRUDE OIL SPRDS	ANT	360	3,184	-88.7%	1,870	-80.7%
CRUDE OIL SPRDS	HIL	1,040	11,797	-91.2%	1,560	-33.3%
CRUDE OIL SPRDS	WTT	133,951	87,252	53.5%	147,422	-9.1%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	600	600	0.0%	480	25.0%
DAILY PJM	IDO	0	13,664	-100.0%	264	-100.0%
DAILY PJM	NOC	0	1,200	-100.0%	0	-
DAILY PJM	PAP	0	0	-	0	-
DAILY PJM	PEO	0	0	-	0	-
DAILY PJM	PNO	0	0	-	0	-
DAILY PJM	PNP	0	0	-	0	-
DAILY PJM	PWO	0	0	-	0	-
DAILY PJM	PWP	0	0	-	0	-
DAILY PJM	WOR	5,400	2,400	125.0%	4,320	25.0%
DAILY PJM	ZAO	0	0	-	0	-
DAILY PJM	ZGO	0	0	-	0	-
DAILY PJM	ZJO	0	0	-	0	-
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	2,270	900	152.2%	2,295	-1.1%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DOMINION TRANSMISSION INC	PG	0	0	-	0	-
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	500	0	-	500	0.0%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	3,255	11,109	-70.7%	3,524	-7.6%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	A5	1,590	1,892	-16.0%	568	179.9%
ELEC FINSETTLED	47	0	0	-	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-
ELECTRICITY OFF PEAK	4P	0	0	-	0	-
EMMISSIONS	CGO	111	0	-	161	-31.1%
ETHANOL	MTH	0	0	-	0	-
ETHANOL SWAP	MT2	505	810	-37.7%	590	-14.4%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	6,329	8,572	-26.2%	7,443	-15.0%
EURO 3.5% FUEL OIL RDAM B	KR	0	35	-100.0%	0	-
EURO 3.5% FUEL OIL SPREAD	FK	0	0	-	0	-
EURO GASOIL 10 CAL SWAP	GT	3	0	-	3	0.0%
EURO GASOIL 10PPM VS ICE	ET	442	1,647	-73.2%	483	-8.5%
EUROPE 1% FUEL OIL NWE CA	UF	10	60	-83.3%	15	-33.3%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	UV	110	269	-59.1%	124	-11.3%
EUROPEAN GASOIL (ICE)	7F	1,593	3,682	-56.7%	1,916	-16.9%

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<b>Energy Futures</b>						
EUROPEAN NAPHTHA BALMO	KZ	30	75	-60.0%	5	500.0%
EUROPEAN NAPHTHA CRACK SPR	EN	3,417	7,034	-51.4%	4,366	-21.7%
EUROPE DATED BRENT SWAP	UB	0	11	-100.0%	1	-100.0%
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	UN	695	1,430	-51.4%	576	20.7%
EURO PROPANE CIF ARA SWA	PS	3,167	2,703	17.2%	3,217	-1.6%
FREIGHT MARKETS	ACB	0	0	-	0	-
FREIGHT MARKETS	BF1	0	0	-	0	-
FREIGHT MARKETS	BF2	0	54	-100.0%	0	-
FREIGHT MARKETS	BF3	0	0	-	0	-
FREIGHT MARKETS	BL2	1,152	190	506.3%	1,140	1.1%
FREIGHT MARKETS	CS3	0	0	-	0	-
FREIGHT MARKETS	CS4	120	0	-	120	0.0%
FREIGHT MARKETS	FLJ	0	35	-100.0%	0	-
FREIGHT MARKETS	FLP	114	213	-46.5%	123	-7.3%
FREIGHT MARKETS	FRC	34	60	-43.3%	51	-33.3%
FREIGHT MARKETS	T2D	123	445	-72.4%	76	61.8%
FREIGHT MARKETS	T7C	0	0	-	0	-
FREIGHT MARKETS	T8C	0	0	-	0	-
FREIGHT MARKETS	TC6	0	225	-100.0%	0	-
FREIGHT MARKETS	TD3	0	0	-	0	-
FREIGHT MARKETS	USC	0	0	-	0	-
FREIGHT MARKETS	USE	0	0	-	0	-
FUEL OIL CRACK VS ICE	FO	189	1,536	-87.7%	261	-27.6%
FUEL OIL NWE CRACK VS ICE	FI	30	72	-58.3%	45	-33.3%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0	-
FUELOIL SWAP:CARGOES VS.B	FS	0	18	-100.0%	0	-
GAS EURO-BOB OXY NWE BARGES	7H	294	1,562	-81.2%	297	-1.0%
GAS EURO-BOB OXY NWE BARGES CRK	7K	5,526	15,080	-63.4%	6,001	-7.9%
GASOIL 0.1CIF MED VS ICE	Z5	10	60	-83.3%	15	-33.3%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	6	-100.0%	0	-
GASOIL 0.1 ROTTERDAM BARG	VL	18	83	-78.3%	12	50.0%
GASOIL 10PPM VS ICE SWAP	TP	12	0	-	12	0.0%
GASOIL CALENDAR SWAP	GX	140	621	-77.5%	170	-17.6%
GASOIL CRACK SPREAD CALEN	GZ	1,050	5,709	-81.6%	1,518	-30.8%
GASOIL MINI CALENDAR SWAP	QA	476	1,289	-63.1%	369	29.0%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	36	279	-87.1%	54	-33.3%
GROUP THREE UNLEAD GAS (P	A9	0	0	-	0	-
GRP THREE ULSD(PLT)VS HEA	A6	5,739	6,295	-8.8%	5,734	0.1%
GRP THREE UNL GS (PLT) VS	A8	2,370	3,847	-38.4%	2,305	2.8%
GULF COAST 3% FUEL OIL BA	VZ	0	28	-100.0%	0	-
GULF COAST JET FUEL CLNDR	GE	0	0	-	0	-
GULF COAST JET VS NYM 2 H	ME	8,160	16,771	-51.3%	9,182	-11.1%
GULF COAST NO.6 FUEL OIL	MF	8,604	2,356	265.2%	8,368	2.8%
GULF COAST NO.6 FUEL OIL	MG	10,158	10,970	-7.4%	10,669	-4.8%
GULF COAST ULSD CALENDAR	LY	1,581	1,784	-11.4%	534	196.1%
GULF COAST ULSD CRACK SPR	GY	0	20	-100.0%	0	-
HEATING OIL BALMO CLNDR S	1G	20	235	-91.5%	87	-77.0%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%
HEATING OIL PHY	MHO	13	0	-	19	-31.6%
HENRY HUB BASIS SWAP	HB	0	0	-	0	-

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<b>Energy Futures</b>						
HENRY HUB FINANCIAL LAST	NBP	0	0	-	0	-
HENRY HUB INDEX SWAP FUTU	IN	0	0	-	0	-
HENRY HUB SWAP	NN	427,739	510,243	-16.2%	447,654	-4.4%
HOUSTON SHIP CHANNEL BASI	NH	0	155	-100.0%	0	-
ICE BRENT DUBAI SWAP	DB	580	2,740	-78.8%	705	-17.7%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-
INDIANA MISO	FTD	0	0	-	0	-
INDIANA MISO	PDD	0	0	-	0	-
INDIANA MISO	PTD	0	0	-	0	-
INDONESIAN COAL ICI4	ICI	0	40	-100.0%	0	-
JAPAN C&F NAPHTHA CRACK S	JB	4	6	-33.3%	6	-33.3%
JAPAN C&F NAPHTHA SWAP	JA	312	170	83.5%	336	-7.1%
JAPAN NAPHTHA BALMO SWAP	E6	0	6	-100.0%	0	-
JET CIF NWE VS ICE	JC	655	716	-8.5%	729	-10.2%
JET FUEL UP-DOWN BALMO CL	1M	125	1,175	-89.4%	245	-49.0%
JKM LNG Futures	JKM	1,141	3,044	-62.5%	946	20.6%
LA CARB DIESEL (OPIS) SWA	KL	311	225	38.2%	399	-22.1%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	-	0	-
LA JET (OPIS) SWAP	JS	75	1,285	-94.2%	100	-25.0%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	WJ	1,598	2,963	-46.1%	1,725	-7.4%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-
MARS (ARGUS) VS WTI SWAP	YX	250	420	-40.5%	375	-33.3%
MARS (ARGUS) VS WTI TRD M	YV	11,759	12,260	-4.1%	9,985	17.8%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTF	8,108	20,405	-60.3%	9,076	-10.7%
MCCLOSKEY RCH BAY COAL	MFF	225	1,720	-86.9%	474	-52.5%
MGN1 SWAP FUT	MGN	0	0	-	0	-
MICHIGAN BASIS	NF	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	0	68	-100.0%	0	-
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	0	-	0	-
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	340	747	-54.5%	190	78.9%
MJC FUT	MJC	0	30	-100.0%	0	-
MNC FUT	MNC	2,265	2,330	-2.8%	2,484	-8.8%
MONT BELVIEU ETHANE 5 DECIMAL	C0	45,580	54,481	-16.3%	42,800	6.5%
MONT BELVIEU ETHANE OPIS BALMO	8C	1,176	1,450	-18.9%	220	434.5%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	139,788	132,705	5.3%	134,806	3.7%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	2,184	1,877	16.4%	1,403	55.7%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	35,640	32,001	11.4%	37,626	-5.3%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	2,163	207	944.9%	2,477	-12.7%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	56,718	56,115	1.1%	61,340	-7.5%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,497	1,058	41.5%	2,142	-30.1%
NATURAL GAS	NWM	305	0	-	305	0.0%
NATURAL GAS PEN SWP	NP	179,168	200,765	-10.8%	182,907	-2.0%
NEPOOL INTR HUB 5MW D AH	H2	0	8,256	-100.0%	0	-
NEPOOL INTR HUB 5MW D AH	U6	0	447	-100.0%	0	-
NEPOOL NE MASS 5MW D AH O	P8	0	0	-	0	-
NEPOOL NE MASS 5MW D AH P	P7	0	0	-	0	-
NEW ENGLAND HUB PEAK DAIL	CE	0	952	-100.0%	33	-100.0%
NEW YORK ETHANOL SWAP	EZ	985	545	80.7%	1,265	-22.1%
NEW YORK HUB ZONE G PEAK	GN	800	340	135.3%	800	0.0%
NEW YORK HUB ZONE J PEAK	JN	0	0	-	0	-

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<b>Energy Futures</b>						
NGPL MID-CONTINENT	NL	0	0	-	0	-
NGPL TEX/OK	PD	0	0	-	0	-
N ILLINOIS HUB DAILY	UD	0	20	-100.0%	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	NR	0	0	-	0	-
NY1% VS GC SPREAD SWAP	VR	0	60	-100.0%	0	-
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	9,910	8,831	12.2%	8,100	22.3%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	100	770	-87.0%	150	-33.3%
NY HARBOR RESIDUAL FUEL 1	MM	175	675	-74.1%	175	0.0%
NYH NO 2 CRACK SPREAD CAL	HK	7,278	10,368	-29.8%	8,522	-14.6%
NYISO CAPACITY	LHV	0	0	-	0	-
NYISO CAPACITY	NRS	0	0	-	0	-
NYISO ZONE A 5MW D AH O P	K4	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	D2	0	0	-	0	-
NYISO ZONE G 5MW D AH PK	T3	0	6,375	-100.0%	525	-100.0%
NYISO ZONE J 5MW D AH O P	D4	0	0	-	0	-
NYISO ZONE J 5MW D AH PK	D3	0	0	-	0	-
NYMEX ALUMINUM FUTURES	AN	0	0	-	0	-
NYMEX ULSD VS NYMEX HO	UY	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	3,364	419	702.9%	2,694	24.9%
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-
PERMIAN BASIS SWAP	PM	0	0	-	0	-
PETROCHEMICALS	22	118	267	-55.8%	82	43.9%
PETROCHEMICALS	32	94	63	49.2%	85	10.6%
PETROCHEMICALS	3NA	108	61	77.0%	140	-22.9%
PETROCHEMICALS	51	2	0	-	3	-33.3%
PETROCHEMICALS	81	60	0	-	60	0.0%
PETROCHEMICALS	8I	5,335	7,127	-25.1%	5,709	-6.6%
PETROCHEMICALS	91	789	1,315	-40.0%	787	0.3%
PETROCHEMICALS	MAA	20	90	-77.8%	0	-
PETROCHEMICALS	MAE	2,349	3,162	-25.7%	2,275	3.3%
PETROCHEMICALS	MAS	545	1,557	-65.0%	570	-4.4%
PETROCHEMICALS	MBE	60	55	9.1%	20	200.0%
PETROCHEMICALS	MNB	0	1,060	-100.0%	0	-
PETROCHEMICALS	MPS	1,844	1,622	13.7%	1,702	8.3%
PETROCHEMICALS	PMF	2	0	-	2	0.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STS	0	100	-100.0%	0	-
PETRO CRCKS & SPRDS NA	CRB	12,501	22,675	-44.9%	14,109	-11.4%
PETRO CRCKS & SPRDS NA	EXR	469	1,409	-66.7%	485	-3.3%
PETRO CRCKS & SPRDS NA	FOC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GBB	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCI	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCM	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCU	0	420	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GFC	0	14	-100.0%	0	-
PETRO CRCKS & SPRDS NA	HOB	442	4,788	-90.8%	688	-35.8%
PETRO CRCKS & SPRDS NA	MFR	0	24	-100.0%	0	-
PETRO CRCKS & SPRDS NA	NYF	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	1,200	3,998	-70.0%	1,535	-21.8%



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<b>Energy Futures</b>						
PETRO CRCKS & SPRDS NA	RVG	6,831	420	1,526.4%	7,587	-10.0%
PETRO CRCKS & SPRDS NA	SF3	0	0	-	0	-
PETRO CRK&SPRD EURO	1NB	759	132	475.0%	516	47.1%
PETRO CRK&SPRD EURO	43	0	5	-100.0%	0	-
PETRO CRK&SPRD EURO	BOB	146	717	-79.6%	183	-20.2%
PETRO CRK&SPRD EURO	EOB	0	0	-	0	-
PETRO CRK&SPRD EURO	EPN	1,033	1,091	-5.3%	1,086	-4.9%
PETRO CRK&SPRD EURO	EVC	40	332	-88.0%	40	0.0%
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-
PETRO CRK&SPRD EURO	GCB	0	0	-	0	-
PETRO CRK&SPRD EURO	GOC	0	0	-	0	-
PETRO CRK&SPRD EURO	MGB	0	10	-100.0%	0	-
PETRO CRK&SPRD EURO	MUD	0	0	-	0	-
PETRO CRK&SPRD EURO	NBB	0	9	-100.0%	0	-
PETRO CRK&SPRD EURO	NOB	328	450	-27.1%	390	-15.9%
PETROLEUM PRODUCTS	1NM	0	0	-	0	-
PETROLEUM PRODUCTS	BEB	0	0	-	0	-
PETROLEUM PRODUCTS	BEF	0	2	-100.0%	0	-
PETROLEUM PRODUCTS	CMS	460	290	58.6%	780	-41.0%
PETROLEUM PRODUCTS	EWG	1,004	3,050	-67.1%	1,482	-32.3%
PETROLEUM PRODUCTS	H5F	260	0	-	410	-36.6%
PETROLEUM PRODUCTS	JCC	8,502	1,525	457.5%	9,150	-7.1%
PETROLEUM PRODUCTS	MME	0	0	-	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	NCC	0	0	-	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	0	-
PETROLEUM PRODUCTS	R5F	197	218	-9.6%	221	-10.9%
PETROLEUM PRODUCTS	S53	12	16	-25.0%	12	0.0%
PETROLEUM PRODUCTS	UCS	0	0	-	0	-
PETROLEUM PRODUCTS	UP5	0	0	-	0	-
PETROLEUM PRODUCTS	VU	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	0	-	10	-100.0%
PETROLEUM PRODUCTS ASIA	MJN	995	953	4.4%	980	1.5%
PETRO OUTRIGHT EURO	0B	28	172	-83.7%	42	-33.3%
PETRO OUTRIGHT EURO	0C	0	0	-	0	-
PETRO OUTRIGHT EURO	0D	107	204	-47.5%	99	8.1%
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	20	0	-	0	-
PETRO OUTRIGHT EURO	63	0	0	-	0	-
PETRO OUTRIGHT EURO	7I	0	0	-	0	-
PETRO OUTRIGHT EURO	7R	0	17	-100.0%	8	-100.0%
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTRIGHT EURO	CPB	80	130	-38.5%	12	566.7%
PETRO OUTRIGHT EURO	EFF	0	0	-	0	-
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-
PETRO OUTRIGHT EURO	ENS	0	0	-	0	-
PETRO OUTRIGHT EURO	EWN	890	678	31.3%	628	41.7%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-
PETRO OUTRIGHT EURO	GNO	0	0	-	0	-

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**NYMEX/COMEX Exchange Open Interest Report - Monthly**

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<b>Energy Futures</b>						
PETRO OUTRIGHT EURO	H5G	0	0	-	0	-
PETRO OUTRIGHT EURO	JFB	0	0	-	0	-
PETRO OUTRIGHT EURO	M1B	1,549	2,803	-44.7%	1,878	-17.5%
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTRIGHT EURO	MBN	1,990	925	115.1%	2,000	-0.5%
PETRO OUTRIGHT EURO	MEF	95	345	-72.5%	110	-13.6%
PETRO OUTRIGHT EURO	MQA	40	38	5.3%	85	-52.9%
PETRO OUTRIGHT EURO	R53	6	45	-86.7%	9	-33.3%
PETRO OUTRIGHT EURO	R5B	0	0	-	0	-
PETRO OUTRIGHT EURO	R5M	3,341	4,815	-30.6%	3,667	-8.9%
PETRO OUTRIGHT EURO	R5O	1,799	2,188	-17.8%	1,882	-4.4%
PETRO OUTRIGHT EURO	RBM	10	0	-	0	-
PETRO OUTRIGHT EURO	S5B	0	0	-	0	-
PETRO OUTRIGHT EURO	S5F	200	234	-14.5%	197	1.5%
PETRO OUTRIGHT EURO	S5M	2,890	3,939	-26.6%	2,983	-3.1%
PETRO OUTRIGHT EURO	S5O	1,494	4,098	-63.5%	1,963	-23.9%
PETRO OUTRIGHT EURO	SMU	0	750	-100.0%	0	-
PETRO OUTRIGHT EURO	SR5	100	0	-	93	7.5%
PETRO OUTRIGHT EURO	T0	0	0	-	0	-
PETRO OUTRIGHT EURO	T2B	0	0	-	0	-
PETRO OUTRIGHT EURO	TLB	0	33	-100.0%	0	-
PETRO OUTRIGHT EURO	ULB	625	0	-	0	-
PETRO OUTRIGHT EURO	UNB	0	0	-	0	-
PETRO OUTRIGHT EURO	V0	0	198	-100.0%	0	-
PETRO OUTRIGHT NA	A8B	75	0	-	50	50.0%
PETRO OUTRIGHT NA	AB6	425	170	150.0%	575	-26.1%
PETRO OUTRIGHT NA	BCR	800	2,100	-61.9%	1,800	-55.6%
PETRO OUTRIGHT NA	DBB	0	0	-	0	-
PETRO OUTRIGHT NA	FCB	0	0	-	0	-
PETRO OUTRIGHT NA	H5B	0	0	-	0	-
PETRO OUTRIGHT NA	JE	20	160	-87.5%	30	-33.3%
PETRO OUTRIGHT NA	JET	1,150	550	109.1%	1,375	-16.4%
PETRO OUTRIGHT NA	JTB	25	0	-	75	-66.7%
PETRO OUTRIGHT NA	MBL	425	410	3.7%	405	4.9%
PETRO OUTRIGHT NA	MEN	13	308	-95.8%	0	-
PETRO OUTRIGHT NA	MEO	373	533	-30.0%	343	8.7%
PETRO OUTRIGHT NA	MFD	0	0	-	0	-
PETRO OUTRIGHT NA	MMF	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	2,040	25,280	-91.9%	3,965	-48.5%
PJM AD HUB 5MW REAL TIME	Z9	105	1,390	-92.4%	210	-50.0%
PJM DAILY	JD	284	292	-2.7%	284	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	-	0	-
PJM DAYTON DA PEAK	D7	0	0	-	0	-
PJM NI HUB 5MW REAL TIME	B3	0	230	-100.0%	0	-
PJM NI HUB 5MW REAL TIME	B6	0	3,760	-100.0%	0	-
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	-	0	-
PJM PSEG DA OFF-PEAK	W6	0	0	-	0	-
PJM PSEG DA PEAK	L6	0	0	-	0	-
PJM WESTH DA OFF-PEAK	E4	0	0	-	0	-
PJM WESTHDA PEAK	J4	0	0	-	0	-
PJM WESTH RT OFF-PEAK	N9	18,360	218,120	-91.6%	35,685	-48.5%
PJM WESTH RT PEAK	L1	8,824	20,675	-57.3%	11,806	-25.3%

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Commodity		Open Interest NOV 2022	Open Interest NOV 2021	% CHG	Open Interest OCT 2022	% CHG
<b>Energy Futures</b>						
PLASTICS	PGP	4,041	3,486	15.9%	4,038	0.1%
PREMIUM UNLND 10P FOB MED	3G	34	180	-81.1%	51	-33.3%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	2,000	1,043	91.8%	2,084	-4.0%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	37,868	50,626	-25.2%	34,239	10.6%
RBOB CALENDAR SWAP	RL	17,558	13,920	26.1%	16,935	3.7%
RBOB CRACK SPREAD	RM	8,032	13,221	-39.2%	9,758	-17.7%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	9	833	-98.9%	647	-98.6%
RBOB PHY	MRB	3	0	-	15	-80.0%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB VS HEATING OIL SWAP	RH	350	240	45.8%	375	-6.7%
SAN JUAN BASIS SWAP	NJ	0	0	-	0	-
SINGAPORE 180CST BALMO	BS	1	0	-	0	-
SINGAPORE 380CST BALMO	BT	0	0	-	0	-
SINGAPORE 380CST FUEL OIL	SE	59	386	-84.7%	90	-34.4%
SINGAPORE FUEL 180CST CAL	UA	3	0	-	3	0.0%
SINGAPORE FUEL OIL 180 CS	GMS	0	8	-100.0%	0	-
SINGAPORE FUEL OIL SPREAD	SD	102	0	-	102	0.0%
SINGAPORE GASOIL	MAF	102	532	-80.8%	111	-8.1%
SINGAPORE GASOIL	MTB	0	0	-	0	-
SINGAPORE GASOIL	MTS	369	896	-58.8%	433	-14.8%
SINGAPORE GASOIL	SBM	0	60	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	MSG	131	607	-78.4%	130	0.8%
SINGAPORE GASOIL SWAP	SG	262	1,539	-83.0%	500	-47.6%
SINGAPORE GASOIL VS ICE	GA	2,933	5,029	-41.7%	3,225	-9.1%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	2,504	2,974	-15.8%	2,703	-7.4%
SINGAPORE JET KEROSENE SW	KS	0	1,090	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	0	2,521	-100.0%	0	-
Sumas Basis Swap	NK	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	TM	210	205	2.4%	240	-12.5%
TC5 RAS TANURA TO YOKOHAM	TH	186	360	-48.3%	219	-15.1%
TCO BASIS SWAP	TC	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	TL	2,350	5,029	-53.3%	2,420	-2.9%
TEXAS EASTERN ZONE M-3 BA	NX	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	TR	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	4,060	6,130	-33.8%	6,442	-37.0%
UP DOWN GC ULSD VS NMX HO	LT	24,155	54,550	-55.7%	26,420	-8.6%
WAHA BASIS	NW	0	0	-	0	-
WTI-BRENT BULLET SWAP	BY	0	0	-	0	-
WTI-BRENT CALENDAR SWAP	BK	120,636	100,561	20.0%	121,409	-0.6%
WTI CALENDAR	CS	157,311	157,460	-0.1%	166,003	-5.2%
WTI MIDLAND CRUDE OIL	WTL	600	0	0.0%	750	-20.0%
WTS (ARGUS) VS WTI SWAP	FF	20,577	43,164	-52.3%	23,361	-11.9%
WTS (ARGUS) VS WTI TRD MT	FH	2,630	7,215	-63.5%	3,595	-26.8%
<b>Energy Options</b>						
BRENT CALENDAR SWAP	BA	1,650	1,556	6.0%	1,860	-11.3%
BRENT CRUDE OIL 1 M CSO	9C	18,800	125,400	-85.0%	42,300	-55.6%
BRENT OIL LAST DAY	BE	28,845	39,456	-26.9%	24,395	18.2%
BRENT OIL LAST DAY	BZO	26,708	66,433	-59.8%	25,037	6.7%

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<b>Energy Options</b>						
BRENT OIL LAST DAY	OS	0	0	-	0	-
COAL API2 INDEX	F2C	385	990	-61.1%	365	5.5%
COAL API2 INDEX	F2Q	0	125	-100.0%	0	-
CRUDE OIL	6Y	0	0	-	0	-
CRUDE OIL 1MO	WA	128,325	249,350	-48.5%	115,382	11.2%
CRUDE OIL APO	AO	155,367	217,160	-28.5%	178,059	-12.7%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-
CRUDE OIL OUTRIGHTS	ECCL	0	0	-	0	0.0%
CRUDE OIL PHY	CD	0	0	-	0	-
CRUDE OIL PHY	LC	39,567	43,445	-8.9%	67,488	-41.4%
CRUDE OIL PHY	LO	2,162,304	1,982,523	9.1%	2,905,264	-25.6%
CRUDE OIL PHY	LO1	20,276	14,512	39.7%	13,707	47.9%
CRUDE OIL PHY	LO2	2,584	894	189.0%	1,015	154.6%
CRUDE OIL PHY	LO3	78	108	-27.8%	123	-36.6%
CRUDE OIL PHY	LO4	95	0	-	45	111.1%
CRUDE OIL PHY	LO5	0	0	-	0	-
CRUDE OIL PHY	MCO	5,409	0	-	5,556	-2.6%
CRUDE OIL PHY	MW1	701	0	-	308	127.6%
CRUDE OIL PHY	MW2	221	0	-	8	2,662.5%
CRUDE OIL PHY	MW3	0	0	-	0	-
CRUDE OIL PHY	MW4	0	0	-	0	0.0%
CRUDE OIL PHY	MW5	0	0	-	0	-
ELEC FINSETTLED	PJN	0	43	-100.0%	0	-
ETHANOL SWAP	CVR	3,571	9,811	-63.6%	3,652	-2.2%
ETHANOL SWAP	GVR	0	0	-	0	-
FREIGHT MARKETS	FLO	20	0	-	30	-33.3%
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	750	3,705	-79.8%	1,000	-25.0%
HEATING OIL PHY	FZ	0	0	0.0%	0	-
HEATING OIL PHY	LB	0	508	-100.0%	0	-
HEATING OIL PHY	OH	13,493	27,920	-51.7%	22,958	-41.2%
HENRY HUB FINANCIAL LAST	E7	26,172	29,665	-11.8%	22,733	15.1%
HENRY HUB FINANCIAL LAST	ECNG	0	0	-	0	0.0%
HO 1 MONTH CLNDR OPTIONS	FA	600	200	200.0%	950	-36.8%
LLS CRUDE OIL	HTO	1,200	0	-	1,200	0.0%
LLS CRUDE OIL	WTO	4,500	0	-	4,650	-3.2%
MCCLOSKEY ARA ARGS COAL	MTO	20	402	-95.0%	60	-66.7%
MCCLOSKEY RCH BAY COAL	MFO	0	0	-	0	-
NATURAL GAS	LN1	150	0	-	0	-
NATURAL GAS	LN2	0	0	-	0	-
NATURAL GAS	LN3	0	0	-	0	-
NATURAL GAS	LN4	0	0	-	0	-
NATURAL GAS	LN5	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	G4	95,875	162,495	-41.0%	113,750	-15.7%
NATURAL GAS 2 M CSO FIN	G2	0	17,750	-100.0%	0	-
NATURAL GAS 3 M CSO FIN	G3	3,250	0	-	1,200	170.8%
NATURAL GAS 5 M CSO FIN	G5	2,000	5,250	-61.9%	0	-
NATURAL GAS 6 M CSO FIN	G6	18,375	34,350	-46.5%	8,500	116.2%
NATURAL GAS OPT	JFO	150	0	-	150	0.0%
NATURAL GAS OPT	JKO	850	4,315	-80.3%	100	750.0%
NATURAL GAS OPT	TFO	0	24,990	-100.0%	0	-
NATURAL GAS OPTION ON CALENDAR STRP	6J	7,784	47,084	-83.5%	7,784	0.0%
NATURAL GAS PHY	KD	0	0	-	0	-



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<b>Energy Options</b>					
NATURAL GAS PHY LN	2,880,278	2,238,259	28.7%	2,867,759	0.4%
NATURAL GAS PHY ON	32,941	65,903	-50.0%	35,434	-7.0%
NATURAL GAS SUMMER STRIP 4D	0	0	-	0	-
NATURAL GAS WINTER STRIP 6I	0	0	-	0	-
N ROCKIES PIPE SWAP ZR	0	0	-	0	-
NY HARBOR HEAT OIL SWP AT	9,075	7,482	21.3%	8,619	5.3%
PETROCHEMICALS 4H	3,517	8,131	-56.7%	4,038	-12.9%
PETROCHEMICALS 4J	0	1,010	-100.0%	0	-
PETROCHEMICALS 4K	0	0	-	0	-
PETROCHEMICALS CPR	0	0	-	0	-
PETRO OUTRIGHT EURO BCO	0	0	-	0	-
PETRO OUTRIGHT NA 1N5	0	0	-	0	-
PETRO OUTRIGHT NA DAP	310	1,120	-72.3%	435	-28.7%
PJM WES HUB PEAK CAL MTH 6OA	180	850	-78.8%	180	0.0%
PJM WES HUB PEAK LMP 50MW PMA	0	0	0.0%	0	-
RBOB 1MO CAL SPD OPTIONS ZA	0	0	-	0	0.0%
RBOB CALENDAR SWAP RA	324	401	-19.2%	393	-17.6%
RBOB PHY OB	4,772	6,918	-31.0%	6,330	-24.6%
RBOB PHY RF	0	0	-	0	-
SAN JUAN PIPE SWAP PJ	0	0	-	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	50	-100.0%	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	153,150	190,460	-19.6%	153,950	-0.5%

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<b>Energy Options</b>						
WTI CRUDE OIL 1 M CSO FI	7A	137,000	42,350	223.5%	152,275	-10.0%
<b>Metals Futures</b>						
COMEX GOLD	GC	429,283	531,868	-19.3%	464,625	-7.6%
NYMEX HOT ROLLED STEEL	HR	25,197	37,391	-32.6%	22,388	12.5%
NYMEX PLATINUM	PL	67,790	62,385	8.7%	56,940	19.1%
PALLADIUM	PA	7,568	9,621	-21.3%	8,374	-9.6%
URANIUM	UX	800	800	0.0%	800	0.0%
COMEX SILVER	SI	122,380	138,003	-11.3%	139,157	-12.1%
COMEX E-Mini GOLD	QO	1,126	1,410	-20.1%	1,937	-41.9%
COMEX E-Mini SILVER	QI	292	473	-38.3%	413	-29.3%
COMEX COPPER	HG	149,642	184,214	-18.8%	180,740	-17.2%
COMEX MINY COPPER	QC	303	351	-13.7%	483	-37.3%
ALUMINUM	A38	0	30	-100.0%	0	-
ALUMINUM	AEP	7,387	8,102	-8.8%	6,043	22.2%
ALUMINUM	ALA	830	855	-2.9%	945	-12.2%
ALUMINUM	ALI	1,050	152	590.8%	1,335	-21.3%
ALUMINUM	AUP	30,025	24,128	24.4%	31,510	-4.7%
ALUMINUM	CUP	0	0	-	0	-
ALUMINUM	EDP	19,805	15,976	24.0%	20,423	-3.0%
ALUMINUM	MJP	1,724	4,022	-57.1%	2,031	-15.1%
COBALT METAL FUTURES	COB	10,753	1,730	521.6%	8,258	30.2%
COPPER	HGS	13,712	17,244	-20.5%	13,508	1.5%
COPPER	MHG	1,083	0	-	2,255	-52.0%
FERROUS PRODUCTS	BUS	8,228	4,106	100.4%	6,986	17.8%
GOLD	4GC	0	0	-	0	-
GOLD	SGC	499	520	-4.0%	521	-4.2%
GOLD	SGU	526	705	-25.4%	538	-2.2%
HOT ROLLED COIL STEEL FUTURES	EHR	6,367	1,938	228.5%	6,137	3.7%
IRON ORE 62 CHINA TSI FUTURES	TIO	0	0	-	0	-
IRON ORE CHINA	TIO	2,020	2,409	-16.1%	2,570	-21.4%
METALS	HDG	212	100	112.0%	212	0.0%
METALS	LTH	149	0	-	58	156.9%
METALS	PAC	0	0	-	0	-
MICRO GOLD	MGC	17,503	21,198	-17.4%	23,785	-26.4%
SILVER	SIL	7,872	5,973	31.8%	6,240	26.2%
<b>Metals Options</b>						
ALUMINUM	ALO	0	1,450	-100.0%	0	-
ALUMINUM	AX	214	0	-	309	-30.7%
COMEX COPPER	HX	71,740	45,734	56.9%	79,313	-9.5%
COMEX GOLD	ECGC	0	0	-	0	0.0%
COMEX GOLD	OG	572,864	690,834	-17.1%	791,784	-27.6%
COMEX SILVER	ECSI	0	0	-	0	0.0%
COMEX SILVER	SO	89,174	80,102	11.3%	129,245	-31.0%
COPPER	ECHG	0	0	-	0	0.0%
COPPER	H1E	175	0	-	313	-44.1%
COPPER	H1M	36	0	-	54	-33.3%
COPPER	H1W	73	0	-	80	-8.7%
COPPER	H2E	268	1	26,700.0%	161	66.5%
COPPER	H2M	90	0	-	2	4,400.0%
COPPER	H2W	63	0	-	81	-22.2%

**NYMEX/COMEX Exchange Open Interest Report - Monthly**

Commodity	Open Interest NOV 2022	Open Interest NOV 2021	% CHG	Open Interest OCT 2022	% CHG	
<b>Metals Options</b>						
COPPER	H3E	49	0	-	29	69.0%
COPPER	H3M	0	0	-	0	-
COPPER	H3W	2	0	-	23	-91.3%
COPPER	H4E	0	0	-	14	-100.0%
COPPER	H4M	0	0	-	0	-
COPPER	H4W	0	0	-	8	-100.0%
COPPER	H5E	0	0	-	0	-
COPPER	H5M	0	0	-	0	0.0%
COPPER	H5W	0	0	-	0	-
GOLD	G1M	2,291	0	-	1,874	22.3%
GOLD	G1W	874	0	-	4,036	-78.3%
GOLD	G2M	2,004	0	-	102	1,864.7%
GOLD	G2W	463	0	-	1,228	-62.3%
GOLD	G3M	1,158	0	-	12	9,550.0%
GOLD	G3W	47	0	-	973	-95.2%
GOLD	G4M	0	0	-	0	-
GOLD	G4W	0	0	-	447	-100.0%
GOLD	G5M	0	0	-	0	0.0%
GOLD	G5W	0	0	-	0	-
GOLD	OG1	15,580	18,180	-14.3%	12,968	20.1%
GOLD	OG2	4,568	16,033	-71.5%	4,700	-2.8%
GOLD	OG3	2,452	4,013	-38.9%	1,056	132.2%
GOLD	OG4	387	390	-0.8%	71	445.1%
GOLD	OG5	0	0	-	0	-
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	-	0	-
HOT ROLLED COIL STEEL PUT OPTION	HRO	0	0	-	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	0	-	0	-
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	-	0	-
IRON ORE CHINA	ICT	200	626	-68.1%	300	-33.3%
NYMEX HOT ROLLED STEEL	HRO	6,726	1,985	238.8%	4,971	35.3%
NYMEX PLATINUM	PO	2,946	15,215	-80.6%	2,519	17.0%
PALLADIUM	PAO	3	221	-98.6%	6	-50.0%
SILVER	M1S	320	0	-	42	661.9%
SILVER	M2S	79	0	-	99	-20.2%
SILVER	M3S	14	0	-	2	600.0%
SILVER	M4S	0	0	-	0	-
SILVER	M5S	0	0	-	0	0.0%
SILVER	SO1	2,385	2,134	11.8%	1,722	38.5%
SILVER	SO2	1,370	1,233	11.1%	1,141	20.1%
SILVER	SO3	408	316	29.1%	33	1,136.4%
SILVER	SO4	15	51	-70.6%	19	-21.1%
SILVER	SO5	0	0	-	0	-
SILVER	W1S	152	0	-	238	-36.1%
SILVER	W2S	33	0	-	29	13.8%
SILVER	W3S	0	0	-	57	-100.0%
SILVER	W4S	0	0	-	1	-100.0%
SILVER	W5S	0	0	-	0	-



## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest NOV 2022	Open Interest NOV 2021	% CHG	Open Interest OCT 2022	% CHG
<b>TOTAL FUTURES GROUP</b>					
Ag Products Futures	0	0	-	0	-
Energy Futures	5,651,053	7,215,108	-21.7%	5,749,307	-1.7%
Metals Futures	934,126	1,075,704	-13.2%	1,009,212	-7.4%
<b>TOTAL FUTURES</b>	<b>6,585,179</b>	<b>8,290,812</b>	<b>-20.6%</b>	<b>6,758,519</b>	<b>-2.6%</b>
 <b>TOTAL OPTIONS GROUP</b>					
Energy Options	5,991,622	5,673,374	5.6%	6,799,042	-11.9%
Metals Options	779,223	878,518	-11.3%	1,040,062	-25.1%
<b>TOTAL OPTIONS</b>	<b>6,770,845</b>	<b>6,551,892</b>	<b>3.3%</b>	<b>7,839,104</b>	<b>-13.6%</b>
 <b>TOTAL COMBINED</b>					
Ag Products	0	0	-	0	-
Energy	11,642,675	12,888,482	-9.7%	12,548,349	-7.2%
Metals	1,713,349	1,954,222	-12.3%	2,049,274	-16.4%
<b>GRAND TOTAL</b>	<b>13,356,024</b>	<b>14,842,704</b>	<b>-10.0%</b>	<b>14,597,623</b>	<b>-8.5%</b>