

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest NOV 2021	Open Interest NOV 2020	% CHG	Open Interest OCT 2021	% CHG
Ag Products Futures						
COCOA TAS	CJ	0	0	-	0	-
COFFEE	KT	0	0	-	0	-
COTTON	TT	0	0	-	0	-
SUGAR 11	YO	0	0	-	0	-
Energy Futures						
CRUDE OIL PHY	CL	2,033,286	2,127,463	-4.4%	2,124,479	-4.3%
CRUDE OIL	WS	8	0	-	8	0.0%
MINY WTI CRUDE OIL	QM	6,535	2,796	133.7%	4,295	52.2%
BRENT OIL LAST DAY	BZ	217,781	162,467	34.0%	203,684	6.9%
HEATING OIL PHY	HO	298,300	373,886	-20.2%	425,220	-29.8%
HTG OIL	BH	118	108	9.3%	129	-8.5%
MINY HTG OIL	QH	2	0	-	0	-
RBOB PHY	RB	285,445	394,564	-27.7%	304,196	-6.2%
MINY RBOB GAS	QU	2	0	-	0	0.0%
NATURAL GAS	HP	170,311	132,310	28.7%	173,454	-1.8%
LTD NAT GAS	HH	512,489	381,715	34.3%	539,921	-5.1%
MINY NATURAL GAS	QG	5,068	4,343	16.7%	4,249	19.3%
PJM MONTHLY	JM	0	0	-	0	-
NATURAL GAS PHY	NG	1,269,879	1,203,173	5.5%	1,267,567	0.2%
RBOB GAS	RT	84	84	0.0%	91	-7.7%
3.5% FUEL OIL CID MED SWA	7D	0	0	-	0	-
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-
AEP-DAYTON HUB DAILY	VD	10	84	-88.1%	10	0.0%
ANR OKLAHOMA	NE	0	0	-	0	-
ARGUS LLS VS. WTI (ARG) T	E5	11,876	17,592	-32.5%	13,085	-9.2%
ARGUS PROPAN FAR EST INDE	7E	5,764	5,091	13.2%	5,772	-0.1%
ARGUS PROPAN(SAUDI ARAMCO	9N	1,658	2,085	-20.5%	1,836	-9.7%
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-
BRENT BALMO SWAP	J9	0	100	-100.0%	0	-
BRENT CALENDAR SWAP	CY	16,874	13,382	26.1%	18,413	-8.4%
BRENT FINANCIAL FUTURES	BB	0	0	-	0	-
BRENT FINANCIAL FUTURES	MBC	0	10	-100.0%	0	-
BRENT FINANCIAL FUTURES	MDB	0	90	-100.0%	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	4,329	0	-	2,414	79.3%
CAR VINTAGE	NGO	9,274	0	-	7,452	24.4%
CENTERPOINT BASIS SWAP	PW	0	0	-	0	-
CHICAGO ETHANOL SWAP	CU	39,090	33,806	15.6%	43,716	-10.6%
CHICAGO ULSD PL VS HO SPR	5C	592	1,077	-45.0%	810	-26.9%
CHICAGO UNL GAS PL VS RBO	3C	75	955	-92.1%	0	-
CIG BASIS	CI	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	EJ	0	0	-	0	-
CINERGY HUB PEAK MONTH	EM	0	0	-	0	-
CIN HUB 5MW D AH PK	H5	0	0	-	0	-
CIN HUB 5MW REAL TIME O P	H4	0	2,744	-100.0%	0	-
CIN HUB 5MW REAL TIME PK	H3	0	154	-100.0%	0	-
COAL SWAP	ACM	0	0	-	0	-
COLUMB GULF MAINLINE NG B	5Z	0	22	-100.0%	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	2,208	749	194.8%	2,283	-3.3%

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<b>Energy Futures</b>						
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,619	1,987	-18.5%	1,879	-13.8%
CONWAY PROPANE 5 DECIMALS SWAP	8K	24,104	23,787	1.3%	25,883	-6.9%
CRUDE OIL	LPS	0	750	-100.0%	0	-
CRUDE OIL LAST DAY	26	0	0	-	0	-
CRUDE OIL OUTRIGHTS	42	167	362	-53.9%	129	29.5%
CRUDE OIL OUTRIGHTS	CC5	2,337	1,377	69.7%	2,658	-12.1%
CRUDE OIL OUTRIGHTS	CSW	45	3,248	-98.6%	955	-95.3%
CRUDE OIL OUTRIGHTS	DAB	0	0	-	0	-
CRUDE OIL OUTRIGHTS	DBL	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	1,620	2,190	-26.0%	1,936	-16.3%
CRUDE OIL OUTRIGHTS	HTT	112,485	144,908	-22.4%	103,441	8.7%
CRUDE OIL OUTRIGHTS	LSW	2,865	3,492	-18.0%	3,448	-16.9%
CRUDE OIL OUTRIGHTS	WCW	9,215	4,425	108.2%	8,527	8.1%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	0	366	-100.0%	0	-
CRUDE OIL PHY	MCL	31,477	0	-	8,361	276.5%
CRUDE OIL SPRDS	38	0	0	-	0	-
CRUDE OIL SPRDS	ANT	3,184	480	563.3%	2,128	49.6%
CRUDE OIL SPRDS	HIL	11,797	18,539	-36.4%	12,673	-6.9%
CRUDE OIL SPRDS	WTT	87,252	84,716	3.0%	69,003	26.4%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	600	2,520	-76.2%	720	-16.7%
DAILY PJM	IDO	13,664	19,320	-29.3%	15,948	-14.3%
DAILY PJM	NOC	1,200	840	42.9%	1,440	-16.7%
DAILY PJM	PAP	0	270	-100.0%	0	-
DAILY PJM	PEO	0	5,520	-100.0%	0	-
DAILY PJM	PNO	0	0	-	0	-
DAILY PJM	PNP	0	0	-	0	-
DAILY PJM	PWO	0	1,104	-100.0%	0	-
DAILY PJM	PWP	0	54	-100.0%	0	-
DAILY PJM	WOR	2,400	4,200	-42.9%	2,880	-16.7%
DAILY PJM	ZAO	0	1,104	-100.0%	0	-
DAILY PJM	ZGO	0	25,944	-100.0%	2,720	-100.0%
DAILY PJM	ZJO	0	1,656	-100.0%	0	-
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	900	100	800.0%	1,350	-33.3%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DOMINION TRAN INC - APP I	IH	0	0	-	0	-
DOMINION TRANSMISSION INC	PG	0	312	-100.0%	0	-
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	0	100	-100.0%	0	-
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	11,109	24,234	-54.2%	13,262	-16.2%
EAST/WEST FUEL OIL SPREAD	EW	0	2	-100.0%	0	-
EIA FLAT TAX ONHWAY DIESE	A5	1,892	4,841	-60.9%	2,343	-19.2%
ELEC FINSETTLED	47	0	84	-100.0%	0	-
ELEC MISO PEAK	4L	0	0	-	0	-
ELEC NYISO OFF-PEAK	4M	0	0	-	0	-
ELECTRICITY OFF PEAK	46	0	1,586	-100.0%	0	-
ELECTRICITY OFF PEAK	4P	0	0	-	0	-
ETHANOL	MTH	0	10	-100.0%	0	-
ETHANOL	Z1B	0	0	-	0	-
ETHANOL SWAP	MT2	810	1,010	-19.8%	790	2.5%

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ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	8,572	8,558	0.2%	8,844	-3.1%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	KR	35	0	-	30	16.7%
EURO 3.5% FUEL OIL SPREAD	FK	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	1,647	0	-	1,768	-6.8%
EUROPE 1% FUEL OIL NWE CA	UF	60	0	-	66	-9.1%
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	269	723	-62.8%	261	3.1%
EUROPEAN GASOIL (ICE)	7F	3,682	72	5,013.9%	3,531	4.3%
EUROPEAN NAPHTHA BALMO	KZ	75	3	2,400.0%	0	-
EUROPEAN NAPHTHA CRACK SPR	EN	7,034	3,111	126.1%	7,613	-7.6%
EUROPE DATED BRENT SWAP	UB	11	31	-64.5%	11	0.0%
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	UN	1,430	783	82.6%	1,399	2.2%
EURO PROPANE CIF ARA SWA	PS	2,703	2,723	-0.7%	2,754	-1.9%
FREIGHT MARKETS	ACB	0	170	-100.0%	0	-
FREIGHT MARKETS	BF1	0	0	-	0	-
FREIGHT MARKETS	BF2	54	334	-83.8%	81	-33.3%
FREIGHT MARKETS	BF3	0	0	-	0	-
FREIGHT MARKETS	BL2	190	0	-	175	8.6%
FREIGHT MARKETS	FLJ	35	0	-	45	-22.2%
FREIGHT MARKETS	FLP	213	678	-68.6%	210	1.4%
FREIGHT MARKETS	FRC	60	20	200.0%	60	0.0%
FREIGHT MARKETS	FRS	0	0	-	0	-
FREIGHT MARKETS	T2D	445	330	34.8%	500	-11.0%
FREIGHT MARKETS	T7C	0	85	-100.0%	0	-
FREIGHT MARKETS	T8C	0	0	-	0	-
FREIGHT MARKETS	TC6	225	0	-	0	-
FREIGHT MARKETS	TD3	0	0	-	0	-
FREIGHT MARKETS	TD8	0	0	-	0	-
FREIGHT MARKETS	USC	0	0	-	0	-
FREIGHT MARKETS	USE	0	755	-100.0%	0	-
FUEL OIL CRACK VS ICE	FO	1,536	2,217	-30.7%	1,701	-9.7%
FUEL OIL NWE CRACK VS ICE	FI	72	26	176.9%	72	0.0%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0	-
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-
FUELOIL SWAP:CARGOES VS.B	FS	18	160	-88.8%	27	-33.3%
GAS EURO-BOB OXY NWE BARGES	7H	1,562	2,089	-25.2%	1,783	-12.4%
GAS EURO-BOB OXY NWE BARGES CRK	7K	15,080	15,028	0.3%	15,870	-5.0%
GASOIL 0.1CIF MED VS ICE	Z5	60	0	-	60	0.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	6	17	-64.7%	9	-33.3%
GASOIL 0.1 ROTTERDAM BARG	VL	83	15	453.3%	88	-5.7%
GASOIL 10PPM VS ICE SWAP	TP	0	0	-	0	-
GASOIL CALENDAR SWAP	GX	621	86	622.1%	496	25.2%
GASOIL CRACK SPREAD CALEN	GZ	5,709	2,412	136.7%	6,156	-7.3%
GASOIL MINI CALENDAR SWAP	QA	1,289	1,033	24.8%	1,306	-1.3%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	279	1,123	-75.2%	321	-13.1%
GROUP THREE ULSD (PLATTS)	A7	0	0	-	0	-
GROUP THREE UNLEAD GAS (P	A9	0	0	-	0	-
GRP THREE ULSD(PLT)VS HEA	A6	6,295	4,688	34.3%	7,125	-11.6%

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GRP THREE UNL GS (PLT) VS	A8	3,847	3,400	13.1%	3,972	-3.1%
GULF COAST 3% FUEL OIL BA	VZ	28	0	-	0	-
GULF COAST JET FUEL CLNDR	GE	0	2,016	-100.0%	0	-
GULF COAST JET VS NYM 2 H	ME	16,771	20,506	-18.2%	18,761	-10.6%
GULF COAST NO.6 FUEL OIL	MF	2,356	9,954	-76.3%	2,525	-6.7%
GULF COAST NO.6 FUEL OIL	MG	10,970	70	15,571.4%	10,785	1.7%
GULF COAST ULSD CALENDAR	LY	1,784	6,272	-71.6%	2,280	-21.8%
GULF COAST ULSD CRACK SPR	GY	20	240	-91.7%	30	-33.3%
HEATING OIL BALMO CLNDR S	1G	235	100	135.0%	394	-40.4%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%
HENRY HUB BASIS SWAP	HB	0	0	-	0	-
HENRY HUB FINANCIAL LAST	NBP	0	25	-100.0%	0	-
HENRY HUB INDEX SWAP FUTU	IN	0	0	-	0	-
HENRY HUB SWAP	NN	510,243	672,800	-24.2%	530,920	-3.9%
HOUSTON SHIP CHANNEL BASI	NH	155	2,228	-93.0%	305	-49.2%
ICE BRENT DUBAI SWAP	DB	2,740	9,561	-71.3%	2,477	10.6%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-
INDIANA MISO	FAD	0	0	-	0	-
INDIANA MISO	FTD	0	1,176	-100.0%	0	-
INDIANA MISO	PDD	0	0	-	0	-
INDIANA MISO	PTD	0	49	-100.0%	0	-
INDONESIAN COAL ICI4	ICI	40	279	-85.7%	60	-33.3%
JAPAN C&F NAPHTHA CRACK S	JB	6	0	-	0	-
JAPAN C&F NAPHTHA SWAP	JA	170	247	-31.2%	181	-6.1%
JAPAN NAPHTHA BALMO SWAP	E6	6	0	-	0	-
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-
JET CIF NWE VS ICE	JC	716	10	7,060.0%	736	-2.7%
JET FUEL CRG CIF NEW VS I	6X	0	0	-	0	-
JET FUEL UP-DOWN BALMO CL	1M	1,175	940	25.0%	1,160	1.3%
JKM LNG Futures	JKM	3,044	7,280	-58.2%	2,559	19.0%
LA CARB DIESEL (OPIS) SWA	KL	225	148	52.0%	340	-33.8%
LA CARBOB GASOLINE(OPIS)S	JL	0	50	-100.0%	0	-
LA JET (OPIS) SWAP	JS	1,285	747	72.0%	1,205	6.6%
LLS (ARGUS) CALENDAR SWAP	XA	0	103	-100.0%	0	-
LLS (ARGUS) VS WTI SWAP	WJ	2,963	4,947	-40.1%	2,772	6.9%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-
MARS (ARGUS) VS WTI SWAP	YX	420	220	90.9%	530	-20.8%
MARS (ARGUS) VS WTI TRD M	YV	12,260	19,386	-36.8%	13,450	-8.8%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTF	20,405	18,269	11.7%	20,996	-2.8%
MCCLOSKEY RCH BAY COAL	MFF	1,720	1,195	43.9%	1,450	18.6%
MGF FUT	MGF	0	0	-	0	-
MGN1 SWAP FUT	MGN	0	70	-100.0%	0	-
MICHIGAN BASIS	NF	0	0	-	0	-
MICHIGAN MISO	HMO	0	0	-	0	-
MICHIGAN MISO	HMW	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	68	39	74.4%	0	-
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	0	-	0	-
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	747	996	-25.0%	740	0.9%
MJC FUT	MJC	30	10	200.0%	40	-25.0%
MNC FUT	MNC	2,330	749	211.1%	2,047	13.8%

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MONT BELVIEU ETHANE 5 DECIMAL	C0	54,481	59,473	-8.4%	52,443	3.9%
MONT BELVIEU ETHANE OPIS BALMO	8C	1,450	67	2,064.2%	4,571	-68.3%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	132,705	138,595	-4.2%	136,177	-2.5%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,877	827	127.0%	2,368	-20.7%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	32,001	31,419	1.9%	34,084	-6.1%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	207	585	-64.6%	710	-70.8%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	56,115	69,633	-19.4%	64,654	-13.2%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,058	1,177	-10.1%	1,334	-20.7%
NAT GAS BASIS SWAP	TZ6	0	0	-	0	-
NATURAL GAS PEN SWP	NP	200,765	222,667	-9.8%	200,531	0.1%
NEPOOL INTR HUB 5MW D AH	H2	8,256	166,368	-95.0%	18,784	-56.0%
NEPOOL INTR HUB 5MW D AH	U6	447	7,615	-94.1%	1,091	-59.0%
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	952	1,155	-17.6%	896	6.3%
NEW YORK ETHANOL SWAP	EZ	545	390	39.7%	480	13.5%
NEW YORK HUB ZONE G PEAK	GN	340	1,023	-66.8%	320	6.3%
NEW YORK HUB ZONE J PEAK	JN	0	264	-100.0%	0	-
NGPL MID-CONTINENT	NL	0	320	-100.0%	0	-
NGPL TEX/OK	PD	0	0	-	0	-
N ILLINOIS HUB DAILY	UD	20	10	100.0%	20	0.0%
NO 2 UP-DOWN SPREAD CALEN	UT	0	0	-	0	-
NORTHEN NATURAL GAS DEMAR	PE	0	0	-	0	-
NORTHEN NATURAL GAS VENTU	PF	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	NR	0	62	-100.0%	0	-
N ROCKIES PIPE SWAP	XR	0	0	-	0	-
NY1% VS GC SPREAD SWAP	VR	60	500	-88.0%	90	-33.3%
NY 3.0% FUEL OIL (PLATTS	H1	0	0	-	0	-
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	8,831	12,206	-27.7%	9,650	-8.5%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	770	590	30.5%	905	-14.9%
NY HARBOR RESIDUAL FUEL 1	MM	675	1,032	-34.6%	725	-6.9%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	10,368	2,964	249.8%	10,670	-2.8%
NYISO CAPACITY	LHV	0	51	-100.0%	0	-
NYISO CAPACITY	NNC	0	0	-	0	-
NYISO CAPACITY	NRS	0	0	-	0	-
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	-
NYISO ZONE A 5MW D AH PK	K3	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	D2	0	60,795	-100.0%	0	-
NYISO ZONE G 5MW D AH PK	T3	6,375	8,620	-26.0%	6,605	-3.5%
NYISO ZONE J 5MW D AH O P	D4	0	0	0.0%	0	-
NYISO ZONE J 5MW D AH PK	D3	0	0	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	419	1,247	-66.4%	429	-2.3%
ONEOK OKLAHOMA NG BASIS	8X	0	0	-	0	-
ONTARIO POWER SWAPS	OPD	0	0	-	0	-
ONTARIO POWER SWAPS	OPM	0	0	-	0	-
PANHANDLE BASIS SWAP FUTU	PH	0	300	-100.0%	0	-
PERMIAN BASIS SWAP	PM	0	279	-100.0%	0	-
PETROCHEMICALS	22	267	135	97.8%	254	5.1%

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PETROCHEMICALS 32	63	30	110.0%	113	-44.2%
PETROCHEMICALS 3NA	61	11	454.5%	64	-4.7%
PETROCHEMICALS 51	0	3	-100.0%	0	-
PETROCHEMICALS 81	0	0	-	0	-
PETROCHEMICALS 8I	7,127	6,448	10.5%	7,521	-5.2%
PETROCHEMICALS 91	1,315	759	73.3%	1,231	6.8%
PETROCHEMICALS MAA	90	0	-	165	-45.5%
PETROCHEMICALS MAE	3,162	2,108	50.0%	3,220	-1.8%
PETROCHEMICALS MAS	1,557	479	225.1%	1,631	-4.5%
PETROCHEMICALS MBE	55	320	-82.8%	115	-52.2%
PETROCHEMICALS MNB	1,060	1,052	0.8%	1,305	-18.8%
PETROCHEMICALS MPS	1,622	1,395	16.3%	1,709	-5.1%
PETROCHEMICALS PMF	0	0	-	5	-100.0%
PETRO CRCKS & SPRDS ASIA STI	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA STR	0	40	-100.0%	0	-
PETRO CRCKS & SPRDS ASIA STS	100	275	-63.6%	150	-33.3%
PETRO CRCKS & SPRDS NA CRB	22,675	13,608	66.6%	27,166	-16.5%
PETRO CRCKS & SPRDS NA EXR	1,409	1,135	24.1%	1,172	20.2%
PETRO CRCKS & SPRDS NA FOC	0	220	-100.0%	0	-
PETRO CRCKS & SPRDS NA GBB	0	925	-100.0%	0	-
PETRO CRCKS & SPRDS NA GCC	0	0	-	0	-
PETRO CRCKS & SPRDS NA GCI	0	244	-100.0%	0	-
PETRO CRCKS & SPRDS NA GCM	0	0	-	0	-
PETRO CRCKS & SPRDS NA GCU	420	2,450	-82.9%	580	-27.6%
PETRO CRCKS & SPRDS NA GFC	14	0	-	0	-
PETRO CRCKS & SPRDS NA HOB	4,788	7,110	-32.7%	4,496	6.5%
PETRO CRCKS & SPRDS NA MFR	24	0	-	36	-33.3%
PETRO CRCKS & SPRDS NA NYF	0	0	-	0	-
PETRO CRCKS & SPRDS NA RBB	3,998	7,554	-47.1%	5,128	-22.0%
PETRO CRCKS & SPRDS NA RVG	420	4,700	-91.1%	245	71.4%
PETRO CRCKS & SPRDS NA SF3	0	0	-	0	-
PETRO CRK&SPRD EURO 1NB	132	200	-34.0%	123	7.3%
PETRO CRK&SPRD EURO 43	5	0	-	0	-
PETRO CRK&SPRD EURO BFR	0	0	-	0	-
PETRO CRK&SPRD EURO BOB	717	750	-4.4%	673	6.5%
PETRO CRK&SPRD EURO EOB	0	0	-	0	-
PETRO CRK&SPRD EURO EPN	1,091	964	13.2%	915	19.2%
PETRO CRK&SPRD EURO EVC	332	64	418.8%	428	-22.4%
PETRO CRK&SPRD EURO FBT	0	0	-	0	-
PETRO CRK&SPRD EURO FVB	0	0	-	0	-
PETRO CRK&SPRD EURO GCB	0	0	-	0	-
PETRO CRK&SPRD EURO GOC	0	2	-100.0%	0	-
PETRO CRK&SPRD EURO MGB	10	0	-	10	0.0%
PETRO CRK&SPRD EURO MUD	0	0	-	0	-
PETRO CRK&SPRD EURO NBB	9	0	-	0	-
PETRO CRK&SPRD EURO NOB	450	457	-1.5%	451	-0.2%
PETRO CRK&SPRD EURO SFB	0	0	-	0	-
PETROLEUM PRODUCTS 1NM	0	100	-100.0%	0	-
PETROLEUM PRODUCTS BEB	0	0	-	0	-
PETROLEUM PRODUCTS BEF	2	0	-	2	0.0%
PETROLEUM PRODUCTS CMS	290	0	-	310	-6.5%
PETROLEUM PRODUCTS EWG	3,050	475	542.1%	3,041	0.3%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest NOV 2021	Open Interest NOV 2020	% CHG	Open Interest OCT 2021	% CHG
Energy Futures						
PETROLEUM PRODUCTS	H5F	0	496	-100.0%	0	-
PETROLEUM PRODUCTS	JCC	1,525	1,550	-1.6%	1,172	30.1%
PETROLEUM PRODUCTS	MME	0	0	-	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	NCC	0	0	-	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	5	-100.0%
PETROLEUM PRODUCTS	R5F	218	38	473.7%	178	22.5%
PETROLEUM PRODUCTS	S53	16	32	-50.0%	6	166.7%
PETROLEUM PRODUCTS	UCS	0	65	-100.0%	0	-
PETROLEUM PRODUCTS	UP5	0	66	-100.0%	0	-
PETROLEUM PRODUCTS	VU	0	0	-	15	-100.0%
PETROLEUM PRODUCTS ASIA	E6M	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	MJN	953	390	144.4%	839	13.6%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	-
PETRO OUTRIGHT EURO	0B	172	50	244.0%	174	-1.1%
PETRO OUTRIGHT EURO	0C	0	0	-	0	-
PETRO OUTRIGHT EURO	0D	204	277	-26.4%	215	-5.1%
PETRO OUTRIGHT EURO	0E	0	0	-	0	-
PETRO OUTRIGHT EURO	0F	0	19	-100.0%	1	-100.0%
PETRO OUTRIGHT EURO	1T	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	0	0	-	0	-
PETRO OUTRIGHT EURO	63	0	0	-	0	-
PETRO OUTRIGHT EURO	7I	0	0	-	0	-
PETRO OUTRIGHT EURO	7R	17	0	-	20	-15.0%
PETRO OUTRIGHT EURO	88	0	0	-	0	-
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTRIGHT EURO	CPB	130	15	766.7%	60	116.7%
PETRO OUTRIGHT EURO	EFF	0	0	-	0	-
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-
PETRO OUTRIGHT EURO	ENS	0	6	-100.0%	0	-
PETRO OUTRIGHT EURO	EWN	678	12	5,550.0%	768	-11.7%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-
PETRO OUTRIGHT EURO	GNO	0	0	-	0	-
PETRO OUTRIGHT EURO	H5G	0	184	-100.0%	0	-
PETRO OUTRIGHT EURO	JFB	0	0	-	0	-
PETRO OUTRIGHT EURO	M1B	2,803	3,637	-22.9%	3,653	-23.3%
PETRO OUTRIGHT EURO	M35	0	0	-	0	-
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTRIGHT EURO	MBN	925	1,231	-24.9%	1,028	-10.0%
PETRO OUTRIGHT EURO	MEF	345	250	38.0%	396	-12.9%
PETRO OUTRIGHT EURO	MQA	38	0	-	65	-41.5%
PETRO OUTRIGHT EURO	R53	45	12	275.0%	63	-28.6%
PETRO OUTRIGHT EURO	R5B	0	0	-	0	-
PETRO OUTRIGHT EURO	R5M	4,815	1,038	363.9%	4,415	9.1%
PETRO OUTRIGHT EURO	R5O	2,188	2,948	-25.8%	1,728	26.6%
PETRO OUTRIGHT EURO	RBM	0	0	-	0	-
PETRO OUTRIGHT EURO	S5B	0	0	-	0	-
PETRO OUTRIGHT EURO	S5F	234	398	-41.2%	199	17.6%
PETRO OUTRIGHT EURO	S5M	3,939	3,381	16.5%	3,708	6.2%
PETRO OUTRIGHT EURO	S5O	4,098	2,419	69.4%	2,973	37.8%
PETRO OUTRIGHT EURO	SMU	750	20	3,650.0%	1,050	-28.6%



## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest NOV 2021	Open Interest NOV 2020	% CHG	Open Interest OCT 2021	% CHG
<b>Energy Futures</b>					
PETRO OUTRIGHT EURO T0	0	0	-	0	-
PETRO OUTRIGHT EURO T2B	0	0	-	0	-
PETRO OUTRIGHT EURO TLB	33	0	-	25	32.0%
PETRO OUTRIGHT EURO TMB	0	0	-	0	-
PETRO OUTRIGHT EURO ULB	0	400	-100.0%	0	-
PETRO OUTRIGHT EURO UNB	0	0	-	0	-
PETRO OUTRIGHT EURO V0	198	0	-	216	-8.3%
PETRO OUTRIGHT NA A8B	0	0	-	215	-100.0%
PETRO OUTRIGHT NA AB6	170	50	240.0%	145	17.2%
PETRO OUTRIGHT NA BCR	2,100	673	212.0%	2,942	-28.6%
PETRO OUTRIGHT NA DBB	0	0	-	0	-
PETRO OUTRIGHT NA FCB	0	0	-	32	-100.0%
PETRO OUTRIGHT NA H5B	0	0	-	0	-
PETRO OUTRIGHT NA JE	160	585	-72.6%	210	-23.8%
PETRO OUTRIGHT NA JET	550	790	-30.4%	1,275	-56.9%
PETRO OUTRIGHT NA JTB	0	0	-	0	-
PETRO OUTRIGHT NA MBL	410	135	203.7%	384	6.8%
PETRO OUTRIGHT NA MEN	308	30	926.7%	95	224.2%
PETRO OUTRIGHT NA MEO	533	1,582	-66.3%	782	-31.8%
PETRO OUTRIGHT NA MFD	0	10	-100.0%	0	-
PETRO OUTRIGHT NA MMF	0	0	-	0	-
PJM AD HUB 5MW REAL TIME V3	25,280	52,600	-51.9%	27,205	-7.1%
PJM AD HUB 5MW REAL TIME Z9	1,390	3,479	-60.0%	1,495	-7.0%
PJM BGE DA OFF-PEAK R3	0	0	-	0	-
PJM BGE DA PEAK E3	0	0	-	0	-
PJM COMED 5MW D AH O PK D9	0	0	-	0	-
PJM COMED 5MW D AH PK D8	0	0	-	0	-
PJM DAILY JD	292	286	2.1%	292	0.0%
PJM DAYTON DA OFF-PEAK R7	0	0	0.0%	0	-
PJM DAYTON DA PEAK D7	0	0	0.0%	0	-
PJM NI HUB 5MW REAL TIME B3	230	2,670	-91.4%	440	-47.7%
PJM NI HUB 5MW REAL TIME B6	3,760	48,600	-92.3%	7,610	-50.6%
PJM NILL DA OFF-PEAK L3	0	0	-	0	-
PJM NILL DA PEAK N3	0	0	-	0	-
PJM OFF-PEAK LMP SWAP FUT JP	0	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	0.0%	0	-
PJM WESTHDA PEAK J4	0	0	0.0%	0	-
PJM WESTH RT OFF-PEAK N9	218,120	313,680	-30.5%	225,820	-3.4%
PJM WESTH RT PEAK L1	20,675	25,713	-19.6%	23,557	-12.2%
PLASTICS PGP	3,486	3,240	7.6%	2,596	34.3%
PREMIUM UNLD 10P FOB MED 3G	180	0	-	180	0.0%
PREMIUM UNLEAD 10PPM FOB 8G	0	0	-	0	-
PREM UNL GAS 10PPM RDAM FOB BALMO 7N	0	0	-	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP 7L	0	0	-	0	-
PROPANE NON-LDH MB (OPIS) BALMO SWP 1S	1,043	850	22.7%	890	17.2%
PROPANE NON-LDH MT. BEL (OPIS) SWP 1R	50,626	55,853	-9.4%	49,076	3.2%
RBOB CALENDAR SWAP RL	13,920	13,845	0.5%	15,702	-11.3%
RBOB CRACK SPREAD RM	13,221	2,120	523.6%	13,641	-3.1%
RBOB CRACK SPREAD BALMO S 1E	0	0	-	0	-



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Commodity		Open Interest NOV 2021	Open Interest NOV 2020	% CHG	Open Interest OCT 2021	% CHG
<b>Energy Futures</b>						
RBOB GASOLINE BALMO CLNDR	1D	833	251	231.9%	713	16.8%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB VS HEATING OIL SWAP	RH	240	450	-46.7%	360	-33.3%
SAN JUAN BASIS SWAP	NJ	0	0	-	0	-
SAN JUAN PIPE SWAP	XX	0	0	-	0	-
SINGAPORE 180CST BALMO	BS	0	0	-	0	-
SINGAPORE 380CST BALMO	BT	0	0	-	13	-100.0%
SINGAPORE 380CST FUEL OIL	SE	386	395	-2.3%	356	8.4%
SINGAPORE FUEL 180CST CAL	UA	0	0	-	0	-
SINGAPORE FUEL OIL 180 CS	GMS	8	0	-	12	-33.3%
SINGAPORE FUEL OIL SPREAD	SD	0	30	-100.0%	0	-
SINGAPORE GASOIL	MAF	532	250	112.8%	412	29.1%
SINGAPORE GASOIL	MTB	0	0	-	10	-100.0%
SINGAPORE GASOIL	MTS	896	265	238.1%	950	-5.7%
SINGAPORE GASOIL	SBM	60	5	1,100.0%	0	-
SINGAPORE GASOIL	STZ	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	607	1,498	-59.5%	993	-38.9%
SINGAPORE GASOIL SWAP	SG	1,539	2,548	-39.6%	2,096	-26.6%
SINGAPORE GASOIL VS ICE	GA	5,029	1,140	341.1%	5,661	-11.2%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	2,974	575	417.2%	1,950	52.5%
SINGAPORE JET KEROSENE SW	KS	1,090	615	77.2%	870	25.3%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	2,521	3,088	-18.4%	2,351	7.2%
SING FUEL	MSD	0	0	-	0	-
Sumas Basis Swap	NK	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	TM	205	30	583.3%	210	-2.4%
TC5 RAS TANURA TO YOKOHAM	TH	360	150	140.0%	480	-25.0%
TCO BASIS SWAP	TC	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	TL	5,029	6,251	-19.5%	5,485	-8.3%
TEXAS EASTERN ZONE M-3 BA	NX	0	909	-100.0%	0	-
TRANSCO ZONE4 BASIS SWAP	TR	0	125	-100.0%	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	-	0	-
UCM FUT	UCM	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	0	150	-100.0%	0	-
ULSD UP-DOWN BALMO SWP	1L	6,130	5,595	9.6%	5,740	6.8%
UP DOWN GC ULSD VS NMX HO	LT	54,550	51,628	5.7%	59,222	-7.9%
WAHA BASIS	NW	0	31	-100.0%	0	-
WTI-BRENT BULLET SWAP	BY	0	0	-	0	-
WTI-BRENT CALENDAR SWAP	BK	100,561	85,068	18.2%	94,679	6.2%
WTI CALENDAR	CS	157,460	169,670	-7.2%	155,902	1.0%
WTI MIDLAND CRUDE OIL	WTL	0	50	-100.0%	420	-100.0%
WTS (ARGUS) VS WTI SWAP	FF	43,164	66,313	-34.9%	46,961	-8.1%
WTS (ARGUS) VS WTI TRD MT	FH	7,215	10,387	-30.5%	7,588	-4.9%
<b>Energy Options</b>						
BRENT CALENDAR SWAP	BA	1,556	1,756	-11.4%	1,784	-12.8%
BRENT CRUDE OIL 1 M CSO	9C	125,400	5,700	2,100.0%	145,500	-13.8%
BRENT OIL LAST DAY	BE	39,456	105,002	-62.4%	39,706	-0.6%
BRENT OIL LAST DAY	BZO	66,433	58,040	14.5%	35,318	88.1%
BRENT OIL LAST DAY	OS	0	0	-	0	-

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Commodity		Open Interest NOV 2021	Open Interest NOV 2020	% CHG	Open Interest OCT 2021	% CHG
<b>Energy Options</b>						
COAL API2 INDEX	CLA	0	0	-	0	-
COAL API2 INDEX	CQA	0	0	-	0	-
COAL API2 INDEX	F2C	990	0	-	880	12.5%
COAL API2 INDEX	F2Q	125	0	-	175	-28.6%
CRUDE OIL	6Y	0	50	-100.0%	0	-
CRUDE OIL 1MO	WA	249,350	435,800	-42.8%	289,510	-13.9%
CRUDE OIL APO	AO	217,160	291,110	-25.4%	227,877	-4.7%
CRUDE OIL CALNDR STRIP	6F	0	170	-100.0%	0	-
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCI	0	0	-	0	-
CRUDE OIL PHY	CD	0	0	-	0	-
CRUDE OIL PHY	LC	43,445	18,970	129.0%	56,133	-22.6%
CRUDE OIL PHY	LO	1,982,523	1,365,803	45.2%	2,338,694	-15.2%
CRUDE OIL PHY	LO1	14,512	3,480	317.0%	7,318	98.3%
CRUDE OIL PHY	LO2	894	170	425.9%	1,076	-16.9%
CRUDE OIL PHY	LO3	108	107	0.9%	141	-23.4%
CRUDE OIL PHY	LO4	0	6	-100.0%	0	-
CRUDE OIL PHY	LO5	0	0	-	0	0.0%
ELEC FINSETTLED	PJN	43	43	0.0%	43	0.0%
ETHANOL SWAP	CVR	9,811	10,212	-3.9%	8,331	17.8%
ETHANOL SWAP	GVR	0	130	-100.0%	0	-
FREIGHT MARKETS	TDT	0	0	-	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	3,705	1,200	208.8%	3,960	-6.4%
HEATING OIL PHY	FZ	0	0	-	275	-100.0%
HEATING OIL PHY	LB	508	550	-7.6%	635	-20.0%
HEATING OIL PHY	OH	27,920	14,287	95.4%	32,318	-13.6%
HENRY HUB FINANCIAL LAST	E7	29,665	36,226	-18.1%	29,077	2.0%
HO 1 MONTH CLNDR OPTIONS	FA	200	0	-	200	0.0%
LLS CRUDE OIL	WJO	0	0	-	0	-
LLS CRUDE OIL	WTO	0	1,200	-100.0%	100	-100.0%
MCCLOSKEY ARA ARGS COAL	MTO	402	4,897	-91.8%	726	-44.6%
MCCLOSKEY RCH BAY COAL	MFO	0	50	-100.0%	0	-
NATURAL GAS 1 M CSO FIN	G4	162,495	75,360	115.6%	155,070	4.8%
NATURAL GAS 2 M CSO FIN	G2	17,750	4,700	277.7%	14,000	26.8%
NATURAL GAS 3 M CSO FIN	G3	0	0	-	0	-
NATURAL GAS 5 M CSO FIN	G5	5,250	1,000	425.0%	0	-
NATURAL GAS 6 M CSO FIN	G6	34,350	15,900	116.0%	31,300	9.7%
NATURAL GAS OPT	JKO	4,315	0	-	3,915	10.2%
NATURAL GAS OPT	TFO	24,990	70,650	-64.6%	32,370	-22.8%
NATURAL GAS OPTION ON CALENDAR STRP	6J	47,084	26,440	78.1%	47,384	-0.6%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	2,238,259	2,400,208	-6.7%	2,435,204	-8.1%
NATURAL GAS PHY	ON	65,903	41,206	59.9%	72,799	-9.5%
NATURAL GAS SUMMER STRIP	4D	0	400	-100.0%	0	-
NATURAL GAS WINTER STRIP	6I	0	0	-	0	-
N ROCKIES PIPE SWAP	ZR	0	0	-	0	-
NY HARBOR HEAT OIL SWP	AT	7,482	6,300	18.8%	7,764	-3.6%
PETROCHEMICALS	4H	8,131	562	1,346.8%	7,908	2.8%
PETROCHEMICALS	4J	1,010	620	62.9%	1,215	-16.9%
PETROCHEMICALS	4K	0	520	-100.0%	0	-
PETROCHEMICALS	CPR	0	0	-	0	-
PETRO OUTRIGHT EURO	BCO	0	4	-100.0%	0	-

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Commodity		Open Interest NOV 2021	Open Interest NOV 2020	% CHG	Open Interest OCT 2021	% CHG
<b>Energy Options</b>						
PETRO OUTRIGHT NA	1N5	0	0	-	0	-
PETRO OUTRIGHT NA	DAP	1,120	645	73.6%	1,080	3.7%
PJM WES HUB PEAK CAL MTH	6OA	850	1,510	-43.7%	850	0.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	512	-100.0%	46	-100.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-
RBOB CALENDAR SWAP	RA	401	1,416	-71.7%	673	-40.4%
RBOB CRACK	RX	0	0	-	0	-
RBOB PHY	OB	6,918	8,199	-15.6%	13,382	-48.3%
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	50	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	190,460	146,780	29.8%	170,000	12.0%
WTI CRUDE OIL 1 M CSO FI	7A	42,350	252,875	-83.3%	87,425	-51.6%
<b>Metals Futures</b>						
COMEX GOLD	GC	531,868	541,982	-1.9%	504,956	5.3%
NYMEX HOT ROLLED STEEL	HR	37,391	20,348	83.8%	37,723	-0.9%
NYMEX PLATINUM	PL	62,385	55,796	11.8%	56,053	11.3%
PALLADIUM	PA	9,621	9,802	-1.8%	10,731	-10.3%
URANIUM	UX	800	303	164.0%	800	0.0%
COMEX SILVER	SI	138,003	152,747	-9.7%	142,022	-2.8%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest NOV 2021	Open Interest NOV 2020	% CHG	Open Interest OCT 2021	% CHG
<b>Metals Futures</b>						
COMEX E-Mini GOLD	QO	1,410	2,643	-46.7%	2,092	-32.6%
COMEX E-Mini SILVER	QI	473	608	-22.2%	749	-36.8%
COMEX COPPER	HG	184,214	237,890	-22.6%	217,440	-15.3%
COMEX MINY COPPER	QC	351	262	34.0%	439	-20.0%
ALUMINUM	A38	30	0	-	60	-50.0%
ALUMINUM	AEP	8,102	11,468	-29.4%	8,011	1.1%
ALUMINUM	ALA	855	863	-0.9%	995	-14.1%
ALUMINUM	ALI	152	160	-5.0%	223	-31.8%
ALUMINUM	AUP	24,128	33,892	-28.8%	23,952	0.7%
ALUMINUM	CUP	0	0	-	0	-
ALUMINUM	EDP	15,976	11,738	36.1%	14,522	10.0%
ALUMINUM	MJP	4,022	3,830	5.0%	2,685	49.8%
COBALT METAL FUTURES	COB	1,730	0	-	1,825	-5.2%
COPPER	HGS	17,244	16,521	4.4%	17,963	-4.0%
FERROUS PRODUCTS	BUS	4,106	3,729	10.1%	4,338	-5.3%
GOLD	4GC	0	10	-100.0%	0	-
GOLD	SGC	520	217	139.6%	534	-2.6%
GOLD	SGU	705	403	74.9%	634	11.2%
HOT ROLLED COIL STEEL FUTURES	EHR	1,938	842	130.2%	2,073	-6.5%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	0	0	-	0	-
IRON ORE CHINA	TIO	2,409	1,939	24.2%	2,164	11.3%
LNDN ZINC	ZNC	0	0	-	0	-
METALS	HDG	100	5	1,900.0%	100	0.0%
METALS	LTH	0	0	-	5	-100.0%
MICRO GOLD	MGC	21,198	30,984	-31.6%	23,105	-8.3%
SILVER	SIL	5,973	4,601	29.8%	6,369	-6.2%
<b>Metals Options</b>						
ALUMINUM	ALO	1,450	40	3,525.0%	1,650	-12.1%
COMEX COPPER	HX	45,734	13,577	236.8%	67,189	-31.9%
COMEX GOLD	OG	690,834	939,188	-26.4%	874,828	-21.0%
COMEX SILVER	SO	80,102	89,802	-10.8%	108,285	-26.0%
COPPER	H1E	0	0	-	1	-100.0%
COPPER	H2E	1	0	-	0	-
COPPER	H3E	0	0	-	0	-
COPPER	H4E	0	0	-	0	-
COPPER	H5E	0	0	-	0	0.0%
GOLD	OG1	18,180	11,588	56.9%	10,604	71.4%
GOLD	OG2	16,033	4,514	255.2%	7,620	110.4%
GOLD	OG3	4,013	1,537	161.1%	609	558.9%
GOLD	OG4	390	10	3,800.0%	0	-
GOLD	OG5	0	0	-	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	626	2,040	-69.3%	844	-25.8%
NYMEX HOT ROLLED STEEL	HRO	1,985	975	103.6%	1,820	9.1%
NYMEX PLATINUM	PO	15,215	2,582	489.3%	13,204	15.2%
PALLADIUM	PAO	221	637	-65.3%	835	-73.5%
SILVER	SO1	2,134	819	160.6%	1,258	69.6%
SILVER	SO2	1,233	242	409.5%	751	64.2%



## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest NOV 2021	Open Interest NOV 2020	% CHG	Open Interest OCT 2021	% CHG
<b>Metals Options</b>						
SILVER	SO3	316	70	351.4%	35	802.9%
SILVER	SO4	51	0	0.0%	0	-
SILVER	SO5	0	0	-	0	0.0%
<b>TOTAL FUTURES GROUP</b>						
Ag Products Futures		0	0	-	0	-
Energy Futures		7,215,108	7,875,079	-8.4%	7,509,421	-3.9%
Metals Futures		1,075,704	1,143,583	-5.9%	1,082,563	-0.6%
<b>TOTAL FUTURES</b>		<b>8,290,812</b>	<b>9,018,662</b>	<b>-8.1%</b>	<b>8,591,984</b>	<b>-3.5%</b>
<b>TOTAL OPTIONS GROUP</b>						
Energy Options		5,673,374	5,410,766	4.9%	6,302,162	-10.0%
Metals Options		878,518	1,067,621	-17.7%	1,089,533	-19.4%
<b>TOTAL OPTIONS</b>		<b>6,551,892</b>	<b>6,478,387</b>	<b>1.1%</b>	<b>7,391,695</b>	<b>-11.4%</b>
<b>TOTAL COMBINED</b>						
Ag Products		0	0	-	0	-
Energy		12,888,482	13,285,845	-3.0%	13,811,583	-6.7%
Metals		1,954,222	2,211,204	-11.6%	2,172,096	-10.0%
<b>GRAND TOTAL</b>		<b>14,842,704</b>	<b>15,497,049</b>	<b>-4.2%</b>	<b>15,983,679</b>	<b>-7.1%</b>