

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest OCT 2020	Open Interest OCT 2019	% CHG	Open Interest SEP 2020	% CHG
Ag Products Futures						
COCOA TAS	CJ	0	0	-	0	-
COFFEE	KT	0	0	-	0	-
COTTON	TT	0	1	-100.0%	1	-100.0%
SUGAR 11	YO	0	0	-	0	-
Energy Futures						
CRUDE OIL PHY	CL	2,023,400	2,047,643	-1.2%	2,078,629	-2.7%
CRUDE OIL	WS	5,036	286	1,660.8%	86	5,755.8%
MINY WTI CRUDE OIL	QM	3,236	3,995	-19.0%	2,466	31.2%
BRENT OIL LAST DAY	BZ	171,746	240,633	-28.6%	200,119	-14.2%
HEATING OIL PHY	HO	407,884	452,006	-9.8%	425,022	-4.0%
HTG OIL	BH	118	133	-11.3%	128	-7.8%
MINY HTG OIL	QH	0	1	-100.0%	0	0.0%
RBOB PHY	RB	368,982	379,213	-2.7%	358,508	2.9%
MINY RBOB GAS	QU	2	0	0.0%	0	0.0%
NATURAL GAS	HP	127,883	82,395	55.2%	113,395	12.8%
LTD NAT GAS	HH	384,385	298,239	28.9%	328,589	17.0%
MINY NATURAL GAS	QG	5,701	4,422	28.9%	3,972	43.5%
PJM MONTHLY	JM	0	120	-100.0%	0	-
NATURAL GAS PHY	NG	1,172,915	1,192,796	-1.7%	1,271,456	-7.8%
RBOB GAS	RT	91	92	-1.1%	86	5.8%
3.5% FUEL OIL CID MED SWA	7D	0	27	-100.0%	0	-
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-
AEP-DAYTON HUB DAILY	VD	84	38	121.1%	84	0.0%
AEP-DAYTON HUB MTHLY	VM	0	0	-	0	-
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	-	0	-
ALGONQUIN CITYGATES BASIS	B4	0	0	-	0	-
ANR OKLAHOMA	NE	0	0	-	0	-
ARGUS LLS VS. WTI (ARG) T	E5	8,362	16,792	-50.2%	8,008	4.4%
ARGUS PROPAN FAR EST INDE	7E	4,888	5,224	-6.4%	4,972	-1.7%
ARGUS PROPAN(SAUDI ARAMCO	9N	2,410	1,895	27.2%	2,095	15.0%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-
AUSTRIALIAN COKE COAL	ALW	0	12	-100.0%	0	-
BRENT BALMO SWAP	J9	0	197	-100.0%	76	-100.0%
BRENT CALENDAR SWAP	CY	13,704	29,014	-52.8%	12,359	10.9%
BRENT CFD SWAP	6W	0	0	-	0	-
BRENT FINANCIAL FUTURES	BB	0	158	-100.0%	0	-
BRENT FINANCIAL FUTURES	MBC	15	406	-96.3%	20	-25.0%
BRENT FINANCIAL FUTURES	MDB	100	0	-	110	-9.1%
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0.0%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0.0%
CANADIAN LIGHT SWEET OIL	CIL	0	0	-	0	-
CENTERPOINT BASIS SWAP	PW	0	140	-100.0%	0	-
CHICAGO ETHANOL SWAP	CU	31,179	41,694	-25.2%	28,170	10.7%
CHICAGO ULSD PL VS HO SPR	5C	1,432	2,420	-40.8%	1,925	-25.6%
CHICAGO UNL GAS PL VS RBO	3C	195	250	-22.0%	195	0.0%
CIG BASIS	CI	0	1,098	-100.0%	0	-
CINERGY HUB OFF-PEAK MONT	EJ	0	0	-	0	-
CINERGY HUB PEAK MONTH	EM	0	0	-	0	-
CIN HUB 5MW D AH O PK	K2	0	0	-	0	-
CIN HUB 5MW D AH PK	H5	0	254	-100.0%	0	0.0%

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<b>Energy Futures</b>						
CIN HUB 5MW REAL TIME O P	H4	5,544	52,904	-89.5%	8,288	-33.1%
CIN HUB 5MW REAL TIME PK	H3	294	4,464	-93.4%	448	-34.4%
COAL SWAP	ACM	0	0	-	0	-
COLUMB GULF MAINLINE NG B	5Z	44	681	-93.5%	66	-33.3%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	833	1,268	-34.3%	910	-8.5%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	2,195	1,550	41.6%	1,817	20.8%
CONWAY PROPANE 5 DECIMALS SWAP	8K	26,349	24,065	9.5%	27,023	-2.5%
CRUDE OIL	LPS	1,900	20,110	-90.6%	3,050	-37.7%
CRUDE OIL LAST DAY	26	0	0	-	0	-
CRUDE OIL OUTRIGHTS	42	100	260	-61.5%	236	-57.6%
CRUDE OIL OUTRIGHTS	CC5	1,374	1,654	-16.9%	1,245	10.4%
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSW	3,148	592	431.8%	105	2,898.1%
CRUDE OIL OUTRIGHTS	DAB	30	0	-	60	-50.0%
CRUDE OIL OUTRIGHTS	DBL	0	730	-100.0%	0	-
CRUDE OIL OUTRIGHTS	GSW	2,190	97	2,157.7%	2,400	-8.8%
CRUDE OIL OUTRIGHTS	HTT	142,534	152,022	-6.2%	149,333	-4.6%
CRUDE OIL OUTRIGHTS	LSW	3,703	768	382.2%	2,253	64.4%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-
CRUDE OIL OUTRIGHTS	UMD	0	0	-	0	-
CRUDE OIL OUTRIGHTS	UNS	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCC	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCW	4,036	7,967	-49.3%	5,022	-19.6%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	168	1,057	-84.1%	300	-44.0%
CRUDE OIL SPRDS	38	0	0	-	0	-
CRUDE OIL SPRDS	ANT	480	0	-	480	0.0%
CRUDE OIL SPRDS	HIL	17,074	900	1,797.1%	21,560	-20.8%
CRUDE OIL SPRDS	WTT	81,388	130,459	-37.6%	86,950	-6.4%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	1,800	4,032	-55.4%	1,440	25.0%
DAILY PJM	IDO	17,955	16,137	11.3%	16,800	6.9%
DAILY PJM	NOC	600	1,824	-67.1%	480	25.0%
DAILY PJM	PAP	250	250	0.0%	270	-7.4%
DAILY PJM	PEO	5,130	2,445	109.8%	4,800	6.9%
DAILY PJM	PNO	0	16,626	-100.0%	0	-
DAILY PJM	PNP	0	975	-100.0%	0	-
DAILY PJM	PWO	1,026	15,648	-93.4%	960	6.9%
DAILY PJM	PWP	50	800	-93.8%	54	-7.4%
DAILY PJM	WOR	3,000	6,528	-54.0%	2,400	25.0%
DAILY PJM	ZAO	1,026	978	4.9%	960	6.9%
DAILY PJM	ZGO	25,231	25,917	-2.6%	27,360	-7.8%
DAILY PJM	ZJO	1,539	14,670	-89.5%	1,440	6.9%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	150	845	-82.2%	200	-25.0%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DOMINION TRAN INC - APP I	IH	0	0	-	0	-
DOMINION TRANSMISSION INC	PG	492	4,362	-88.7%	678	-27.4%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	100	1,394	-92.8%	100	0.0%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	27,788	5,944	367.5%	24,019	15.7%
EASTERN RAIL DELIVERY CSX	QX	0	0	-	0	-

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<b>Energy Futures</b>						
EAST/WEST FUEL OIL SPREAD	EW	3	15	-80.0%	4	-25.0%
EIA FLAT TAX ONHWAY DIESE	A5	5,176	1,553	233.3%	3,896	32.9%
ELEC ERCOT DLY OFF PK	I4	0	0	-	0	-
ELEC ERCOT DLY PEAK	I3	0	0	-	0	-
ELEC ERCOT DLY PEAK	I7	0	0	-	0	-
ELEC ERCOT OFF PEAK	I2	0	0	-	0	-
ELEC FINSETTLED	47	128	642	-80.1%	170	-24.7%
ELEC MISO PEAK	4L	0	0	-	0	-
ELEC MISO PEAK	55	0	0	-	0	-
ELEC NYISO OFF-PEAK	4M	0	0	-	0	-
ELEC NYISO OFF-PEAK	58	0	0	-	0	-
ELECTRICITY OFF PEAK	46	2,370	11,714	-79.8%	3,138	-24.5%
ELECTRICITY OFF PEAK	4P	0	23,700	-100.0%	0	-
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	-	0	-
ETHANOL	MTH	20	10	100.0%	0	0.0%
ETHANOL	Z1B	0	0	-	0	-
ETHANOL SWAP	MT2	510	360	41.7%	475	7.4%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	7,502	6,228	20.5%	6,491	15.6%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	KR	0	13	-100.0%	0	-
EURO 3.5% FUEL OIL SPREAD	FK	0	10	-100.0%	0	-
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	0	0	-	0	-
EUROPE 1% FUEL OIL NWE CA	UF	0	302	-100.0%	0	-
EUROPE 1% FUEL OIL RDAM C	UH	0	3	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	30	-100.0%	0	-
EUROPE 3.5% FUEL OIL RDAM	UV	805	4,261	-81.1%	946	-14.9%
EUROPEAN GASOIL (ICE)	7F	73	125	-41.6%	95	-23.2%
EUROPEAN NAPHTHA BALMO	KZ	0	35	-100.0%	0	-
EUROPEAN NAPHTHA CRACK SPR	EN	3,514	7,395	-52.5%	3,353	4.8%
EUROPE DATED BRENT SWAP	UB	33	50	-34.0%	34	-2.9%
EUROPE JET KERO NWE CALSW	UJ	0	12	-100.0%	0	-
EUROPE NAPHTHA CALSWAP	UN	823	1,487	-44.7%	907	-9.3%
EURO PROPANE CIF ARA SWA	PS	2,716	2,578	5.4%	2,696	0.7%
FREIGHT MARKETS	ACB	255	1,020	-75.0%	320	-20.3%
FREIGHT MARKETS	BF1	0	0	-	0	-
FREIGHT MARKETS	BF2	297	0	-	270	10.0%
FREIGHT MARKETS	BF3	0	0	-	0	-
FREIGHT MARKETS	FLP	786	761	3.3%	873	-10.0%
FREIGHT MARKETS	FRC	30	639	-95.3%	40	-25.0%
FREIGHT MARKETS	FRS	0	0	-	0	-
FREIGHT MARKETS	T2D	525	1,060	-50.5%	640	-18.0%
FREIGHT MARKETS	T7C	95	0	-	50	90.0%
FREIGHT MARKETS	TC6	0	0	-	0	-
FREIGHT MARKETS	TD3	0	0	-	0	-
FREIGHT MARKETS	TD8	0	0	-	0	-
FREIGHT MARKETS	USC	0	120	-100.0%	0	-
FREIGHT MARKETS	USE	785	0	-	60	1,208.3%
FUEL OIL CRACK VS ICE	FO	2,588	8,377	-69.1%	3,137	-17.5%

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<b>Energy Futures</b>						
FUEL OIL NWE CRACK VS ICE	FI	39	156	-75.0%	52	-25.0%
FUEL OIL (PLATS) CAR CM	1W	0	3	-100.0%	0	-
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-
FUELOIL SWAP:CARGOES VS.B	FS	188	537	-65.0%	208	-9.6%
GAS EURO-BOB OXY NWE BARGES	7H	2,389	3,350	-28.7%	2,596	-8.0%
GAS EURO-BOB OXY NWE BARGES CRK	7K	15,993	19,638	-18.6%	17,307	-7.6%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	6	-100.0%	0	-
GASOIL 0.1 ROTTERDAM BARG	VL	30	36	-16.7%	25	20.0%
GASOIL 10PPM VS ICE SWAP	TP	0	4	-100.0%	0	-
GASOIL CALENDAR SWAP	GX	68	81	-16.0%	66	3.0%
GASOIL CRACK SPREAD CALEN	GZ	3,147	10,992	-71.4%	3,679	-14.5%
GASOIL MINI CALENDAR SWAP	QA	1,154	1,551	-25.6%	1,075	7.3%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	1,104	1,486	-25.7%	1,221	-9.6%
GROUP THREE ULSD (PLATTS)	A7	0	6	-100.0%	0	-
GROUP THREE UNLEAD GAS (P	A9	0	300	-100.0%	0	-
GRP THREE ULSD(PLT)VS HEA	A6	6,778	8,614	-21.3%	7,740	-12.4%
GRP THREE UNL GS (PLT) VS	A8	2,810	3,826	-26.6%	2,495	12.6%
GULF COAST 3% FUEL OIL BA	VZ	375	614	-38.9%	35	971.4%
GULF COAST JET FUEL CLNDR	GE	2,274	66	3,345.5%	2,495	-8.9%
GULF COAST JET VS NYM 2 H	ME	20,297	22,855	-11.2%	17,931	13.2%
GULF COAST NO.6 FUEL OIL	MF	10,409	12,980	-19.8%	11,342	-8.2%
GULF COAST NO.6 FUEL OIL	MG	105	1,550	-93.2%	140	-25.0%
GULF COAST ULSD CALENDAR	LY	6,673	1,506	343.1%	5,256	27.0%
GULF COAST ULSD CRACK SPR	GY	300	675	-55.6%	360	-16.7%
HEATING OIL BALMO CLNDR S	1G	100	0	-	0	-
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	1,200	-100.0%	620	-100.0%
HENRY HUB FINANCIAL LAST	NBP	50	0	-	75	-33.3%
HENRY HUB FINANCIAL LAST	TTE	0	0	-	0	-
HENRY HUB INDEX SWAP FUTU	IN	868	4,641	-81.3%	1,708	-49.2%
HENRY HUB SWAP	NN	697,242	805,489	-13.4%	707,030	-1.4%
HOUSTON SHIP CHANNEL BASI	NH	2,618	6,892	-62.0%	3,021	-13.3%
ICE BRENT DUBAI SWAP	DB	11,089	46,957	-76.4%	12,927	-14.2%
IN DELIVERY MONTH EUA	6T	0	0	-	0	-
INDIANA MISO	FAD	0	0	-	0	-
INDIANA MISO	FTD	840	2,400	-65.0%	672	25.0%
INDIANA MISO	PDD	12	546	-97.8%	50	-76.0%
INDIANA MISO	PTD	49	455	-89.2%	49	0.0%
INDONESIAN COAL ICI4	ICI	383	527	-27.3%	298	28.5%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	-	0	-
ISO NEW ENGLAND PK LMP	NI	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	JB	0	81	-100.0%	0	-
JAPAN C&F NAPHTHA SWAP	JA	302	946	-68.1%	379	-20.3%
JAPAN NAPHTHA BALMO SWAP	E6	0	0	-	0	-
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-
JET CIF NWE VS ICE	JC	15	258	-94.2%	20	-25.0%
JET FUEL CRG CIF NEW VS I	6X	0	132	-100.0%	0	-
JET FUEL UP-DOWN BALMO CL	1M	1,095	4,145	-73.6%	2,310	-52.6%
JKM LNG Futures	JKM	8,865	7,120	24.5%	7,864	12.7%

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<b>Energy Futures</b>						
LA CARB DIESEL (OPIS) SWA	KL	224	28	700.0%	313	-28.4%
LA CARBOB GASOLINE(OPIS)S	JL	0	0	-	0	-
LA JET (OPIS) SWAP	JS	622	1,734	-64.1%	647	-3.9%
LLS (ARGUS) CALENDAR SWAP	XA	114	322	-64.6%	125	-8.8%
LLS (ARGUS) VS WTI SWAP	WJ	5,387	13,503	-60.1%	6,139	-12.2%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-
MARS (ARGUS) VS WTI SWAP	YX	270	2,270	-88.1%	200	35.0%
MARS (ARGUS) VS WTI TRD M	YV	13,416	29,007	-53.7%	16,574	-19.1%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTF	16,616	22,039	-24.6%	15,133	9.8%
MCCLOSKEY RCH BAY COAL	MFF	1,230	1,679	-26.7%	953	29.1%
MGF FUT	MGF	0	10	-100.0%	0	-
MGN1 SWAP FUT	MGN	105	270	-61.1%	120	-12.5%
MICHIGAN BASIS	NF	0	1,464	-100.0%	124	-100.0%
MICHIGAN MISO	HMO	0	0	-	0	-
MICHIGAN MISO	HMW	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	334	20	1,570.0%	0	-
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	320	90	255.6%	640	-50.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	1,049	1,751	-40.1%	1,015	3.3%
MJC FUT	MJC	15	60	-75.0%	20	-25.0%
MNC FUT	MNC	976	2,703	-63.9%	1,074	-9.1%
MONT BELVIEU ETHANE 5 DECIMAL	C0	63,105	43,154	46.2%	65,695	-3.9%
MONT BELVIEU ETHANE OPIS BALMO	8C	660	30	2,100.0%	1,295	-49.0%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	143,421	139,249	3.0%	138,631	3.5%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	3,237	1,895	70.8%	1,513	113.9%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	32,741	18,324	78.7%	36,475	-10.2%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	325	672	-51.6%	1,060	-69.3%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	70,165	58,798	19.3%	67,056	4.6%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,677	1,244	34.8%	1,216	37.9%
NAT GAS BASIS SWAP	TZ6	0	427	-100.0%	0	-
NATURAL GAS	XIC	0	0	-	0	-
NATURAL GAS PEN SWP	NP	220,836	125,577	75.9%	193,464	14.1%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	-	0	-
NEPOOL CONECTIC 5MW D AH	P2	0	0	-	0	-
NEPOOL INTR HUB 5MW D AH	H2	180,088	329,360	-45.3%	194,123	-7.2%
NEPOOL INTR HUB 5MW D AH	U6	8,385	16,881	-50.3%	9,085	-7.7%
NEPOOL NE MASS 5MW D AH O	P8	0	3,555	-100.0%	0	-
NEPOOL NE MASS 5MW D AH P	P7	0	192	-100.0%	0	-
NEPOOL RHD ISLD 5MW D AH	U4	0	0	-	0	-
NEPOOL RHODE IL 5MW D AH	U5	0	0	-	0	-
NEPOOL W CNT MASS 5MW D A	L9	0	0	-	0	-
NEPOOL W CNTR M 5MW D AH	R6	0	0	-	0	-
NEW ENGLAND HUB PEAK DAIL	CE	1,085	1,154	-6.0%	1,155	-6.1%
NEW YORK ETHANOL SWAP	EZ	580	1,532	-62.1%	835	-30.5%
NEW YORK HUB ZONE G PEAK	GN	1,071	1,092	-1.9%	1,353	-20.8%
NEW YORK HUB ZONE J PEAK	JN	248	1,085	-77.1%	264	-6.1%
NGPL MID-CONTINENT	NL	520	5,476	-90.5%	520	0.0%
NGPL TEX/OK	PD	120	5,625	-97.9%	120	0.0%
N ILLINOIS HUB DAILY	UD	10	68	-85.3%	10	0.0%
N ILLINOIS HUB MTHLY	UM	0	0	-	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	0	250	-100.0%	0	-
NORTHERN NATURAL GAS DEMAR	PE	0	0	-	0	-

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<b>Energy Futures</b>						
NORTHERN NATURAL GAS VENTU	PF	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	NR	122	3,293	-96.3%	184	-33.7%
N ROCKIES PIPE SWAP	XR	0	0	-	0	-
NY1% VS GC SPREAD SWAP	VR	480	2,265	-78.8%	578	-17.0%
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	11,162	8,687	28.5%	11,220	-0.5%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	615	840	-26.8%	640	-3.9%
NY HARBOR RESIDUAL FUEL 1	MM	1,152	1,384	-16.8%	1,182	-2.5%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	2,358	3,000	-21.4%	2,787	-15.4%
NYISO CAPACITY	LHV	62	352	-82.4%	83	-25.3%
NYISO CAPACITY	NNC	0	6	-100.0%	0	-
NYISO CAPACITY	NRS	0	52	-100.0%	0	-
NYISO J	KJ	0	0	-	0	-
NYISO J OFF-PEAK	KK	0	0	-	0	-
NYISO ZONE A 5MW D AH O P	K4	784	10,160	-92.3%	1,586	-50.6%
NYISO ZONE A 5MW D AH PK	K3	0	252	-100.0%	0	-
NYISO ZONE G 5MW D AH O P	D2	79,219	402,573	-80.3%	98,066	-19.2%
NYISO ZONE G 5MW D AH PK	T3	9,302	20,974	-55.6%	9,922	-6.2%
NYISO ZONE J 5MW D AH O P	D4	1,176	26,256	-95.5%	2,379	-50.6%
NYISO ZONE J 5MW D AH PK	D3	176	2,791	-93.7%	336	-47.6%
NYMEX ALUMINUM FUTURES	AN	0	372	-100.0%	0	-
NYMEX ULSD VS NYMEX HO	UY	0	550	-100.0%	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	1,646	1,061	55.1%	1,763	-6.6%
ONEOK OKLAHOMA NG BASIS	8X	0	0	-	0	-
ONTARIO POWER SWAPS	OFD	0	0	-	0	-
ONTARIO POWER SWAPS	OPD	0	0	-	0	-
ONTARIO POWER SWAPS	OPM	0	0	-	0	-
PANHANDLE BASIS SWAP FUTU	PH	330	1,555	-78.8%	453	-27.2%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-
PERMIAN BASIS SWAP	PM	549	3,416	-83.9%	828	-33.7%
PETROCHEMICALS	22	160	166	-3.6%	112	42.9%
PETROCHEMICALS	32	31	103	-69.9%	65	-52.3%
PETROCHEMICALS	3NA	15	12	25.0%	14	7.1%
PETROCHEMICALS	51	0	36	-100.0%	10	-100.0%
PETROCHEMICALS	81	0	0	-	0	-
PETROCHEMICALS	8I	6,894	5,606	23.0%	6,786	1.6%
PETROCHEMICALS	91	817	925	-11.7%	757	7.9%
PETROCHEMICALS	MAA	0	0	-	130	-100.0%
PETROCHEMICALS	MAE	2,185	1,407	55.3%	2,278	-4.1%
PETROCHEMICALS	MAS	518	443	16.9%	572	-9.4%
PETROCHEMICALS	MBE	140	350	-60.0%	140	0.0%
PETROCHEMICALS	MNB	1,236	1,751	-29.4%	1,290	-4.2%
PETROCHEMICALS	MPS	1,533	596	157.2%	1,514	1.3%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STR	60	465	-87.1%	80	-25.0%
PETRO CRCKS & SPRDS ASIA	STS	300	202	48.5%	250	20.0%
PETRO CRCKS & SPRDS NA	CRB	15,566	7,653	103.4%	14,068	10.6%
PETRO CRCKS & SPRDS NA	EXR	1,289	3,248	-60.3%	1,481	-13.0%
PETRO CRCKS & SPRDS NA	FOC	280	1,180	-76.3%	240	16.7%



## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest OCT 2020	Open Interest OCT 2019	% CHG	Open Interest SEP 2020	% CHG
Energy Futures						
PETRO CRCKS & SPRDS NA	GBB	130	281	-53.7%	0	-
PETRO CRCKS & SPRDS NA	GCC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCI	507	1,897	-73.3%	666	-23.9%
PETRO CRCKS & SPRDS NA	GCM	0	300	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GCU	3,111	9,320	-66.6%	4,071	-23.6%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	7,662	11,324	-32.3%	7,871	-2.7%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NYF	0	75	-100.0%	0	-
PETRO CRCKS & SPRDS NA	RBB	8,923	17,913	-50.2%	9,372	-4.8%
PETRO CRCKS & SPRDS NA	RVG	5,375	14,514	-63.0%	4,213	27.6%
PETRO CRCKS & SPRDS NA	SF3	0	185	-100.0%	0	-
PETRO CRK&SPRD EURO	1NB	300	913	-67.1%	675	-55.6%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-
PETRO CRK&SPRD EURO	43	9	0	-	0	-
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-
PETRO CRK&SPRD EURO	BOB	974	3,215	-69.7%	1,176	-17.2%
PETRO CRK&SPRD EURO	EOB	0	20	-100.0%	6	-100.0%
PETRO CRK&SPRD EURO	EPN	1,000	1,517	-34.1%	980	2.0%
PETRO CRK&SPRD EURO	EVC	96	2,955	-96.8%	134	-28.4%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-
PETRO CRK&SPRD EURO	FVB	0	30	-100.0%	0	-
PETRO CRK&SPRD EURO	GCB	0	10	-100.0%	0	-
PETRO CRK&SPRD EURO	GOC	3	15	-80.0%	4	-25.0%
PETRO CRK&SPRD EURO	MGB	0	70	-100.0%	0	-
PETRO CRK&SPRD EURO	MUD	0	110	-100.0%	30	-100.0%
PETRO CRK&SPRD EURO	NBB	0	0	-	0	-
PETRO CRK&SPRD EURO	NOB	498	1,197	-58.4%	565	-11.9%
PETRO CRK&SPRD EURO	SFB	0	0	-	0	-
PETROLEUM PRODUCTS	1NM	120	30	300.0%	20	500.0%
PETROLEUM PRODUCTS	EWG	625	2,600	-76.0%	825	-24.2%
PETROLEUM PRODUCTS	H5F	244	0	-	234	4.3%
PETROLEUM PRODUCTS	JCC	1,550	700	121.4%	1,550	0.0%
PETROLEUM PRODUCTS	MME	0	0	-	60	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	NCC	0	10	-100.0%	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	0	-
PETROLEUM PRODUCTS	R5F	50	7	614.3%	46	8.7%
PETROLEUM PRODUCTS	S53	36	50	-28.0%	40	-10.0%
PETROLEUM PRODUCTS	UCS	65	0	-	65	0.0%
PETROLEUM PRODUCTS	UP5	99	72	37.5%	117	-15.4%
PETROLEUM PRODUCTS	VU	295	125	136.0%	75	293.3%
PETROLEUM PRODUCTS ASIA	E6M	0	20	-100.0%	5	-100.0%
PETROLEUM PRODUCTS ASIA	MJN	608	1,145	-46.9%	861	-29.4%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	-
PETRO OUTRIGHT EURO	OB	83	321	-74.1%	90	-7.8%
PETRO OUTRIGHT EURO	OC	0	0	-	0	-
PETRO OUTRIGHT EURO	OD	351	2,294	-84.7%	608	-42.3%
PETRO OUTRIGHT EURO	OE	0	10	-100.0%	0	-
PETRO OUTRIGHT EURO	OF	20	314	-93.6%	10	100.0%
PETRO OUTRIGHT EURO	1T	0	12	-100.0%	0	-

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	Commodity	Open Interest OCT 2020	Open Interest OCT 2019	% CHG	Open Interest SEP 2020	% CHG
<b>Energy Futures</b>						
PETRO OUTRIGHT EURO	33	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	0	0	-	0	-
PETRO OUTRIGHT EURO	63	0	30	-100.0%	0	-
PETRO OUTRIGHT EURO	7I	25	220	-88.6%	0	-
PETRO OUTRIGHT EURO	7R	11	39	-71.8%	22	-50.0%
PETRO OUTRIGHT EURO	88	0	6	-100.0%	0	-
PETRO OUTRIGHT EURO	CBB	5	35	-85.7%	0	-
PETRO OUTRIGHT EURO	CGB	0	0	-	15	-100.0%
PETRO OUTRIGHT EURO	CPB	147	125	17.6%	140	5.0%
PETRO OUTRIGHT EURO	EFF	0	0	-	0	-
PETRO OUTRIGHT EURO	EFM	0	3	-100.0%	0	-
PETRO OUTRIGHT EURO	ENS	9	68	-86.8%	12	-25.0%
PETRO OUTRIGHT EURO	EWN	12	359	-96.7%	17	-29.4%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-
PETRO OUTRIGHT EURO	GES	0	0	-	0	-
PETRO OUTRIGHT EURO	GNO	0	0	-	0	-
PETRO OUTRIGHT EURO	H5G	276	192	43.8%	358	-22.9%
PETRO OUTRIGHT EURO	JFB	0	0	-	0	-
PETRO OUTRIGHT EURO	M1B	3,401	945	259.9%	3,694	-7.9%
PETRO OUTRIGHT EURO	M35	0	15	-100.0%	0	-
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTRIGHT EURO	MBN	1,262	2,115	-40.3%	1,350	-6.5%
PETRO OUTRIGHT EURO	MEF	270	385	-29.9%	275	-1.8%
PETRO OUTRIGHT EURO	R53	18	86	-79.1%	24	-25.0%
PETRO OUTRIGHT EURO	R5B	0	0	-	0	-
PETRO OUTRIGHT EURO	R5M	1,020	826	23.5%	1,091	-6.5%
PETRO OUTRIGHT EURO	R5O	2,848	1,759	61.9%	2,766	3.0%
PETRO OUTRIGHT EURO	RBM	0	0	-	0	-
PETRO OUTRIGHT EURO	S5B	0	0	-	4	-100.0%
PETRO OUTRIGHT EURO	S5F	374	83	350.6%	399	-6.3%
PETRO OUTRIGHT EURO	S5M	3,479	683	409.4%	3,828	-9.1%
PETRO OUTRIGHT EURO	S5O	2,197	188	1,068.6%	2,050	7.2%
PETRO OUTRIGHT EURO	SMU	30	525	-94.3%	40	-25.0%
PETRO OUTRIGHT EURO	T0	0	9	-100.0%	0	-
PETRO OUTRIGHT EURO	T2B	0	0	-	0	-
PETRO OUTRIGHT EURO	TMB	0	0	-	0	-
PETRO OUTRIGHT EURO	ULB	0	0	-	0	-
PETRO OUTRIGHT EURO	UNB	0	0	-	0	-
PETRO OUTRIGHT EURO	V0	0	0	-	0	-
PETRO OUTRIGHT EURO	X0	0	0	-	0	-
PETRO OUTRIGHT NA	AB6	440	0	-	22	1,900.0%
PETRO OUTRIGHT NA	BCR	710	0	-	100	610.0%
PETRO OUTRIGHT NA	DBB	0	0	-	0	-
PETRO OUTRIGHT NA	FCB	0	0	-	0	-
PETRO OUTRIGHT NA	FOM	0	0	-	0	-
PETRO OUTRIGHT NA	H5B	0	0	-	0	-
PETRO OUTRIGHT NA	JE	540	240	125.0%	645	-16.3%
PETRO OUTRIGHT NA	JET	1,265	2,800	-54.8%	2,100	-39.8%
PETRO OUTRIGHT NA	JTB	90	448	-79.9%	0	-
PETRO OUTRIGHT NA	MBL	172	264	-34.8%	209	-17.7%
PETRO OUTRIGHT NA	MEN	0	225	-100.0%	0	-
PETRO OUTRIGHT NA	MEO	1,683	2,174	-22.6%	1,042	61.5%



## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest OCT 2020	Open Interest OCT 2019	% CHG	Open Interest SEP 2020	% CHG
<b>Energy Futures</b>						
PETRO OUTRIGHT NA	MFD	15	103	-85.4%	20	-25.0%
PETRO OUTRIGHT NA	MMF	0	15	-100.0%	0	-
PETRO OUTRIGHT NA	XER	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	58,615	150,778	-61.1%	64,495	-9.1%
PJM AD HUB 5MW REAL TIME	Z9	4,319	14,128	-69.4%	5,243	-17.6%
PJM ATSI ELEC	MOD	0	0	-	0	-
PJM ATSI ELEC	MPD	0	0	-	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	286	960	-70.2%	286	0.0%
PJM DAYTON DA OFF-PEAK	R7	3,920	48,760	-92.0%	7,930	-50.6%
PJM DAYTON DA PEAK	D7	220	2,780	-92.1%	420	-47.6%
PJM NI HUB 5MW REAL TIME	B3	2,770	5,239	-47.1%	2,880	-3.8%
PJM NI HUB 5MW REAL TIME	B6	50,605	85,371	-40.7%	52,565	-3.7%
PJM NILL DA OFF-PEAK	L3	0	13,872	-100.0%	0	-
PJM NILL DA PEAK	N3	0	819	-100.0%	0	-
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	-	0	-
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	1,280	-100.0%	0	-
PJM PSEG DA OFF-PEAK	W6	0	29,625	-100.0%	0	-
PJM PSEG DA PEAK	L6	0	1,600	-100.0%	0	-
PJM WESTH DA OFF-PEAK	E4	784	61,420	-98.7%	1,586	-50.6%
PJM WESTHDA PEAK	J4	44	3,306	-98.7%	84	-47.6%
PJM WESTH RT OFF-PEAK	N9	323,705	506,431	-36.1%	333,505	-2.9%
PJM WESTH RT PEAK	L1	28,573	59,638	-52.1%	31,719	-9.9%
PLASTICS	PGP	3,283	3,669	-10.5%	3,846	-14.6%
PREMIUM UNLD 10P FOB MED	3G	21	82	-74.4%	21	0.0%
PREMIUM UNLEAD 10PPM FOB	8G	0	32	-100.0%	0	-
PREM UNL GAS 10PPM RDM FOB BALMO	7N	0	0	-	0	-
PREM UNL GAS 10PPM RDM FOB SWAP	7L	0	5	-100.0%	0	-
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	2,375	1,441	64.8%	942	152.1%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	60,165	52,857	13.8%	59,534	1.1%
RBOB CALENDAR SWAP	RL	13,382	15,752	-15.0%	13,676	-2.1%
RBOB CRACK SPREAD	RM	2,635	4,734	-44.3%	2,695	-2.2%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	229	198	15.7%	295	-22.4%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-
RBOB VS HEATING OIL SWAP	RH	575	75	666.7%	700	-17.9%
SAN JUAN BASIS SWAP	NJ	0	794	-100.0%	62	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-
SINGAPORE 180CST BALMO	BS	0	117	-100.0%	0	-
SINGAPORE 380CST BALMO	BT	0	17	-100.0%	0	-
SINGAPORE 380CST FUEL OIL	SE	401	3,488	-88.5%	293	36.9%
SINGAPORE FUEL 180CST CAL	UA	18	166	-89.2%	19	-5.3%
SINGAPORE FUEL OIL SPREAD	SD	45	149	-69.8%	70	-35.7%
SINGAPORE GASOIL	MAF	197	3,671	-94.6%	243	-18.9%
SINGAPORE GASOIL	MTB	0	138	-100.0%	0	-
SINGAPORE GASOIL	MTS	287	3,858	-92.6%	421	-31.8%
SINGAPORE GASOIL	SBM	79	0	-	57	38.6%
SINGAPORE GASOIL	STZ	0	0	-	0	-

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Commodity		Open Interest OCT 2020	Open Interest OCT 2019	% CHG	Open Interest SEP 2020	% CHG
<b>Energy Futures</b>						
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	1,807	408	342.9%	1,844	-2.0%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-
SINGAPORE GASOIL SWAP	SG	1,375	830	65.7%	1,339	2.7%
SINGAPORE GASOIL VS ICE	GA	1,710	7,178	-76.2%	2,243	-23.8%
SINGAPORE JET KERO BALMO	BX	0	50	-100.0%	0	-
SINGAPORE JET KERO GASOIL	RK	575	1,350	-57.4%	0	-
SINGAPORE JET KEROSENE SW	KS	765	1,640	-53.4%	775	-1.3%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	4,898	6,799	-28.0%	6,883	-28.8%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-
SING FUEL	MSD	0	5	-100.0%	0	-
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-
Sumas Basis Swap	NK	0	821	-100.0%	0	-
TC2 ROTTERDAM TO USAC 37K	TM	45	571	-92.1%	60	-25.0%
TC5 RAS TANURA TO YOKOHAM	TH	225	1,360	-83.5%	315	-28.6%
TCO BASIS SWAP	TC	0	1,464	-100.0%	124	-100.0%
TD3 MEG TO JAPAN 250K MT	TL	6,992	13,475	-48.1%	6,531	7.1%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-
Tetco STX Basis	TX	0	0	-	0	-
TEXAS EASTERN ZONE M-3 BA	NX	1,179	1,036	13.8%	1,241	-5.0%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	-	0	-
Transco Zone 3 Basis	CZ	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	TR	250	1,804	-86.1%	376	-33.5%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	-	0	-
UCM FUT	UCM	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	120	330	-63.6%	180	-33.3%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	2,912	10,555	-72.4%	4,220	-31.0%
UP DOWN GC ULSD VS NMX HO	LT	49,899	61,010	-18.2%	51,352	-2.8%
WAHA BASIS	NW	61	814	-92.5%	92	-33.7%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-
WTI-BRENT BULLET SWAP	BY	0	804	-100.0%	17	-100.0%
WTI-BRENT CALENDAR SWAP	BK	84,354	171,411	-50.8%	92,137	-8.4%
WTI CALENDAR	CS	153,627	172,302	-10.8%	153,779	-0.1%
WTI MIDLAND CRUDE OIL	WTL	50	0	-	100	-50.0%
WTS (ARGUS) VS WTI SWAP	FF	70,794	67,275	5.2%	74,145	-4.5%
WTS (ARGUS) VS WTI TRD MT	FH	10,315	4,455	131.5%	9,802	5.2%
<b>Energy Options</b>						
BRENT 1 MONTH CAL	AA	0	0	-	0	-
BRENT CALENDAR SWAP	BA	1,779	8,514	-79.1%	1,802	-1.3%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	9C	4,800	3,600	33.3%	7,500	-36.0%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-
BRENT OIL LAST DAY	BE	99,121	24,800	299.7%	115,531	-14.2%
BRENT OIL LAST DAY	BZO	49,585	67,594	-26.6%	79,648	-37.7%
BRENT OIL LAST DAY	OS	0	0	-	25	-100.0%
COAL API2 INDEX	CLA	0	335	-100.0%	0	-

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Commodity		Open Interest OCT 2020	Open Interest OCT 2019	% CHG	Open Interest SEP 2020	% CHG
<b>Energy Options</b>						
COAL API2 INDEX	CQA	0	175	-100.0%	0	-
COAL API4 INDEX	RLA	0	0	-	0	-
COAL API4 INDEX	RQA	0	0	-	0	-
COAL SWAP	CPF	0	0	-	0	-
COAL SWAP	RPF	0	0	-	0	-
CRUDE OIL	6Y	0	150	-100.0%	0	-
CRUDE OIL 1MO	WA	437,575	414,975	5.4%	425,840	2.8%
CRUDE OIL APO	AO	252,780	329,938	-23.4%	269,440	-6.2%
CRUDE OIL CALNDR STRIP	6F	50	200	-75.0%	50	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	36,627	54,742	-33.1%	36,187	1.2%
CRUDE OIL PHY	LO	1,880,731	2,300,030	-18.2%	1,805,238	4.2%
CRUDE OIL PHY	LO1	2,775	5,371	-48.3%	5,587	-50.3%
CRUDE OIL PHY	LO2	460	3,249	-85.8%	1,152	-60.1%
CRUDE OIL PHY	LO3	10	0	-	1,022	-99.0%
CRUDE OIL PHY	LO4	0	1,356	-100.0%	40	-100.0%
CRUDE OIL PHY	LO5	0	832	-100.0%	0	-
ELEC FINSETTLED	PJN	43	0	-	43	0.0%
ETHANOL	CE1	0	0	-	0	-
ETHANOL	CE3	0	0	-	0	-
ETHANOL SWAP	CVR	11,644	13,798	-15.6%	11,640	0.0%
ETHANOL SWAP	GVR	195	90	116.7%	360	-45.8%
FREIGHT MARKETS	TDT	0	1,800	-100.0%	0	-
HEATING OIL PHY	LB	644	186	246.2%	499	29.1%
HEATING OIL PHY	OH	20,817	43,955	-52.6%	16,915	23.1%
HENRY HUB FINANCIAL LAST	E7	37,478	11,954	213.5%	34,117	9.9%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	-	0	-
LLS CRUDE OIL	WJO	0	0	-	0	-
LLS CRUDE OIL	WTO	1,200	0	-	1,400	-14.3%
LLS CRUDE OIL	YVO	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTO	4,467	50	8,834.0%	4,467	0.0%
MCCLOSKEY RCH BAY COAL	MFO	50	60	-16.7%	0	-
NATURAL GAS 1 M CSO FIN	G4	97,325	142,800	-31.8%	141,225	-31.1%
NATURAL GAS 2 M CSO FIN	G2	1,500	0	-	5,200	-71.2%
NATURAL GAS 3 M CSO FIN	G3	0	2,400	-100.0%	0	-
NATURAL GAS 5 M CSO FIN	G5	1,000	2,750	-63.6%	1,000	0.0%
NATURAL GAS 6 M CSO FIN	G6	15,400	26,250	-41.3%	15,400	0.0%
NATURAL GAS OPT	TFO	75,160	0	-	74,690	0.6%
NATURAL GAS OPTION ON CALENDAR STRP	6J	24,440	19,384	26.1%	21,020	16.3%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	2,424,057	1,800,580	34.6%	2,225,751	8.9%
NATURAL GAS PHY	ON	39,399	102,226	-61.5%	52,633	-25.1%
NATURAL GAS SUMMER STRIP	4D	400	0	-	400	0.0%
NATURAL GAS WINTER STRIP	6I	0	0	-	600	-100.0%
N ROCKIES PIPE SWAP	ZR	0	4,658	-100.0%	0	-
NY HARBOR HEAT OIL SWP	AT	7,376	11,968	-38.4%	8,213	-10.2%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-
PETROCHEMICALS	4H	639	2,888	-77.9%	645	-0.9%
PETROCHEMICALS	4J	630	225	180.0%	630	0.0%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest OCT 2020	Open Interest OCT 2019	% CHG	Open Interest SEP 2020	% CHG
<b>Energy Options</b>					
PETROCHEMICALS 4K	270	280	-3.6%	0	-
PETROCHEMICALS CPR	0	20	-100.0%	21	-100.0%
PETRO OUTRIGHT EURO 8H	0	0	-	0	-
PETRO OUTRIGHT EURO BCO	6	24	-75.0%	8	-25.0%
PETRO OUTRIGHT NA 1N5	100	0	-	200	-50.0%
PETRO OUTRIGHT NA DAP	780	618	26.2%	840	-7.1%
PJM WES HUB PEAK CAL MTH 6OA	1,510	1,390	8.6%	1,510	0.0%
PJM WES HUB PEAK CAL MTH JOA	0	0	-	0	-
PJM WES HUB PEAK LMP 50MW PMA	512	512	0.0%	512	0.0%
RBOB 1MO CAL SPD OPTIONS ZA	0	0	-	0	-
RBOB CALENDAR SWAP RA	1,518	295	414.6%	540	181.1%
RBOB CRACK RX	0	0	-	0	-
RBOB PHY OB	8,977	8,584	4.6%	8,021	11.9%
RBOB PHY RF	0	0	-	0	-
ROTTERDAM 3.5%FUEL OIL CL Q6	0	0	-	0	-
SAN JUAN PIPE SWAP PJ	0	3,880	-100.0%	0	-
SHORT TERM C15	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	125	-100.0%	0	-
SHORT TERM NATURAL GAS U02	100	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	0.0%
SHORT TERM NATURAL GAS U30	0	0	-	0	0.0%
SHORT TERM NATURAL GAS U31	0	0	0.0%	0	-
SINGAPORE GASOIL CALENDAR M2	0	0	-	0	-
SINGAPORE JET FUEL CALEND N2	0	0	-	0	-
WTI-BRENT BULLET SWAP BV	130,995	101,000	29.7%	159,280	-17.8%
WTI CRUDE OIL 1 M CSO FI 7A	235,520	147,185	60.0%	210,215	12.0%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest OCT 2020	Open Interest OCT 2019	% CHG	Open Interest SEP 2020	% CHG
<b>Metals Futures</b>						
COMEX GOLD	GC	542,015	681,205	-20.4%	555,967	-2.5%
NYMEX HOT ROLLED STEEL	HR	20,539	16,685	23.1%	23,780	-13.6%
NYMEX PLATINUM	PL	52,048	89,351	-41.7%	54,143	-3.9%
PALLADIUM	PA	10,175	28,469	-64.3%	9,132	11.4%
URANIUM	UX	303	2,406	-87.4%	302	0.3%
COMEX SILVER	SI	154,235	224,936	-31.4%	154,828	-0.4%
COMEX E-Mini GOLD	QO	2,982	2,709	10.1%	2,621	13.8%
COMEX E-Mini SILVER	QI	825	444	85.8%	840	-1.8%
COMEX COPPER	HG	232,502	238,590	-2.6%	238,885	-2.7%
COMEX MINY COPPER	QC	294	83	254.2%	257	14.4%
ALUMINUM	A38	0	28	-100.0%	0	-
ALUMINUM	AEP	13,674	11,671	17.2%	11,323	20.8%
ALUMINUM	ALA	776	720	7.8%	536	44.8%
ALUMINUM	ALI	190	520	-63.5%	139	36.7%
ALUMINUM	AUP	35,797	25,354	41.2%	36,696	-2.4%
ALUMINUM	CUP	0	0	-	0	-
ALUMINUM	EDP	11,768	11,558	1.8%	12,317	-4.5%
ALUMINUM	MJP	4,475	4,920	-9.0%	4,445	0.7%
COPPER	HGS	17,294	11,465	50.8%	18,349	-5.7%
FERROUS PRODUCTS	BUS	3,079	2,162	42.4%	3,352	-8.1%
GOLD	4GC	74	0	-	81	-8.6%
GOLD	SGC	299	68	339.7%	212	41.0%
GOLD	SGU	675	83	713.3%	705	-4.3%
Gold Kilo	GCK	0	0	-	0	-
HOT ROLLED COIL STEEL FUTURES	EHR	715	0	-	722	-1.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	0	5,787	-100.0%	0	-
IRON ORE CHINA	TIO	2,455	0	-	2,964	-17.2%
LNDN ZINC	ZNC	0	0	-	0	-
METALS	HDG	10	0	-	20	-50.0%
MICRO GOLD	MGC	80,385	22,752	253.3%	72,241	11.3%
SILVER	SIL	5,329	2,613	103.9%	4,926	8.2%
<b>Metals Options</b>						
ALUMINUM	ALO	60	0	-	90	-33.3%
COMEX COPPER	HX	12,696	38,490	-67.0%	13,619	-6.8%
COMEX GOLD	OG	1,161,137	1,708,953	-32.1%	1,115,927	4.1%
COMEX SILVER	SO	119,215	219,551	-45.7%	124,880	-4.5%
COPPER	H1E	0	26	-100.0%	0	-
COPPER	H2E	2	10	-80.0%	0	-
COPPER	H3E	0	0	-	0	-
COPPER	H4E	0	0	-	0	-
COPPER	H5E	0	0	-	0	-
GOLD	OG1	5,341	15,770	-66.1%	13,140	-59.4%
GOLD	OG2	4,107	15,021	-72.7%	7,763	-47.1%
GOLD	OG3	1,317	5,308	-75.2%	2,615	-49.6%
GOLD	OG4	0	794	-100.0%	33	-100.0%
GOLD	OG5	0	0	-	0	-
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	550	-100.0%	0	-
HOT ROLLED COIL STEEL PUT OPTION	HRO	0	0	-	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	1,230	-100.0%	0	-
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	615	-100.0%	0	-

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest OCT 2020	Open Interest OCT 2019	% CHG	Open Interest SEP 2020	% CHG
<b>Metals Options</b>						
IRON ORE CHINA	ICT	2,420	0	-	2,960	-18.2%
NYMEX HOT ROLLED STEEL	HRO	825	0	-	625	32.0%
NYMEX PLATINUM	PO	2,626	5,276	-50.2%	1,679	56.4%
PALLADIUM	PAO	1,713	2,239	-23.5%	1,651	3.8%
SILVER	SO1	405	1,995	-79.7%	1,306	-69.0%
SILVER	SO2	235	744	-68.4%	470	-50.0%
SILVER	SO3	125	452	-72.3%	124	0.8%
SILVER	SO4	0	16	-100.0%	52	-100.0%
SILVER	SO5	0	0	-	0	-
<b>TOTAL FUTURES GROUP</b>						
Ag Products	Futures	0	1	-100.0%	1	-100.0%
Energy	Futures	7,851,592	9,407,742	-16.5%	8,037,093	-2.3%
Metals	Futures	1,192,913	1,384,579	-13.8%	1,209,783	-1.4%
<b>TOTAL FUTURES</b>		<b>9,044,505</b>	<b>10,792,322</b>	<b>-16.2%</b>	<b>9,246,877</b>	<b>-2.2%</b>
<b>TOTAL OPTIONS GROUP</b>						
Energy	Options	5,910,445	5,667,796	4.3%	5,747,057	2.8%
Metals	Options	1,312,224	2,017,040	-34.9%	1,286,934	2.0%
<b>TOTAL OPTIONS</b>		<b>7,222,669</b>	<b>7,684,836</b>	<b>-6.0%</b>	<b>7,033,991</b>	<b>2.7%</b>
<b>TOTAL COMBINED</b>						
Ag Products		0	1	-100.0%	1	-100.0%
Energy		13,762,037	15,075,538	-8.7%	13,784,150	-0.2%
Metals		2,505,137	3,401,619	-26.4%	2,496,717	0.3%
<b>GRAND TOTAL</b>		<b>16,267,174</b>	<b>18,477,158</b>	<b>-12.0%</b>	<b>16,280,868</b>	<b>-0.1%</b>