



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest AUG 2020	Open Interest AUG 2019	% CHG	Open Interest JUL 2020	% CHG
Ag Products Futures					
COCOA TAS	0	0	-	0	-
COFFEE	0	0	-	0	-
COTTON	3	3	0.0%	0	-
SUGAR 11	0	0	-	0	-
Energy Futures					
CRUDE OIL PHY	2,061,302	2,063,053	-0.1%	2,006,292	2.7%
CRUDE OIL	36	286	-87.4%	36	0.0%
MINY WTI CRUDE OIL	2,843	3,958	-28.2%	3,359	-15.4%
BRENT OIL LAST DAY	213,806	231,351	-7.6%	223,222	-4.2%
HEATING OIL PHY	384,672	410,542	-6.3%	360,112	6.8%
HTG OIL	138	159	-13.2%	148	-6.8%
MINY HTG OIL	1	1	0.0%	0	0.0%
RBOB PHY	352,803	383,571	-8.0%	326,894	7.9%
MINY RBOB GAS	1	1	0.0%	0	0.0%
NATURAL GAS	119,013	82,965	43.4%	123,581	-3.7%
LTD NAT GAS	314,216	321,070	-2.1%	285,314	10.1%
MINY NATURAL GAS	5,662	3,967	42.7%	5,447	3.9%
PJM MONTHLY	0	200	-100.0%	0	-
NATURAL GAS PHY	1,255,765	1,315,574	-4.5%	1,307,193	-3.9%
RBOB GAS	93	96	-3.1%	100	-7.0%
3.5% FUEL OIL CID MED SWA	0	39	-100.0%	0	-
3.5% FUEL OIL CIF BALMO S	0	0	-	0	-
AEP-DAYTON HUB DAILY	84	38	121.1%	84	0.0%
AEP-DAYTON HUB MTHLY	0	0	-	0	-
AEP-DAYTON HUB OFF-PEAK M	0	0	-	0	-
ALGONQUIN CITYGATES BASIS	0	0	-	0	-
ANR OKLAHOMA	0	0	-	0	-
ARGUS LLS VS. WTI (ARG) T	10,074	21,794	-53.8%	11,139	-9.6%
ARGUS PROPAN FAR EST INDE	4,771	5,534	-13.8%	4,560	4.6%
ARGUS PROPAN(SAUDI ARAMCO	2,072	2,174	-4.7%	2,127	-2.6%
AUSTRIALIAN COKE COAL	0	0	-	0	-
AUSTRIALIAN COKE COAL	0	20	-100.0%	0	-
BRENT BALMO SWAP	0	362	-100.0%	0	-
BRENT CALENDAR SWAP	12,838	30,104	-57.4%	17,547	-26.8%
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	0	158	-100.0%	2,200	-100.0%
BRENT FINANCIAL FUTURES	25	449	-94.4%	30	-16.7%
BRENT FINANCIAL FUTURES	120	0	-	130	-7.7%
BRENT OIL LAST DAY	0	0	0.0%	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	0	0.0%
CANADIAN LIGHT SWEET OIL	0	0	-	0	-
CENTERPOINT BASIS SWAP	0	359	-100.0%	0	-
CHICAGO ETHANOL SWAP	25,395	44,788	-43.3%	30,525	-16.8%
CHICAGO ULSD PL VS HO SPR	2,279	2,929	-22.2%	2,983	-23.6%
CHICAGO UNL GAS PL VS RBO	465	312	49.0%	330	40.9%
CIG BASIS	0	2,220	-100.0%	0	-
CINERGY HUB OFF-PEAK MONT	0	0	-	0	-
CINERGY HUB PEAK MONTH	0	0	-	0	-
CIN HUB 5MW D AH O PK	0	0	-	0	-
CIN HUB 5MW D AH PK	44	698	-93.7%	65	-32.3%

NYMEX/COMEX Exchange Open Interest Report - Monthly

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Energy Futures						
CIN HUB 5MW REAL TIME O P	H4	10,976	72,304	-84.8%	13,832	-20.6%
CIN HUB 5MW REAL TIME PK	H3	595	7,259	-91.8%	742	-19.8%
COAL SWAP	ACM	0	0	-	0	-
COLUMB GULF MAINLINE NG B	5Z	88	790	-88.9%	110	-20.0%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	1,043	1,277	-18.3%	953	9.4%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,802	1,269	42.0%	1,679	7.3%
CONWAY PROPANE 5 DECIMALS SWAP	8K	25,223	25,834	-2.4%	24,827	1.6%
CRUDE OIL	LPS	4,200	19,710	-78.7%	5,600	-25.0%
CRUDE OIL LAST DAY	26	0	0	-	0	-
CRUDE OIL OUTRIGHTS	42	138	50	176.0%	316	-56.3%
CRUDE OIL OUTRIGHTS	CC5	1,080	1,562	-30.9%	1,110	-2.7%
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSW	0	1,682	-100.0%	0	-
CRUDE OIL OUTRIGHTS	DAB	0	0	-	0	-
CRUDE OIL OUTRIGHTS	DBL	0	400	-100.0%	0	-
CRUDE OIL OUTRIGHTS	GSW	810	138	487.0%	330	145.5%
CRUDE OIL OUTRIGHTS	HTT	160,177	148,767	7.7%	172,142	-7.0%
CRUDE OIL OUTRIGHTS	LSW	2,133	1,125	89.6%	2,704	-21.1%
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	4,963	10,347	-52.0%	5,155	-3.7%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	336	866	-61.2%	438	-23.3%
CRUDE OIL SPRDS	38	0	0	-	0	-
CRUDE OIL SPRDS	ANT	480	0	-	540	-11.1%
CRUDE OIL SPRDS	HIL	18,550	720	2,476.4%	13,860	33.8%
CRUDE OIL SPRDS	WTT	93,484	130,603	-28.4%	112,897	-17.2%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	1,440	2,640	-45.5%	1,440	0.0%
DAILY PJM	IDO	16,520	16,896	-2.2%	17,360	-4.8%
DAILY PJM	NOC	480	2,280	-78.9%	480	0.0%
DAILY PJM	PAP	260	250	4.0%	260	0.0%
DAILY PJM	PEO	4,720	2,560	84.4%	4,960	-4.8%
DAILY PJM	PNO	0	17,408	-100.0%	0	-
DAILY PJM	PNP	0	975	-100.0%	0	-
DAILY PJM	PWO	944	16,384	-94.2%	992	-4.8%
DAILY PJM	PWP	52	800	-93.5%	52	0.0%
DAILY PJM	WOR	2,400	15,480	-84.5%	2,400	0.0%
DAILY PJM	ZAO	944	1,024	-7.8%	992	-4.8%
DAILY PJM	ZGO	26,904	27,136	-0.9%	28,272	-4.8%
DAILY PJM	ZJO	1,416	15,360	-90.8%	1,488	-4.8%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	250	945	-73.5%	300	-16.7%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DOMINION TRAN INC - APP I	IH	0	0	-	0	-
DOMINION TRANSMISSION INC	PG	858	5,582	-84.6%	1,044	-17.8%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	100	1,965	-94.9%	100	0.0%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	24,742	3,312	647.0%	28,073	-11.9%
EASTERN RAIL DELIVERY CSX	QX	0	0	-	0	-



NYMEX/COMEX Exchange Open Interest Report - Monthly

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EAST/WEST FUEL OIL SPREAD	EW	5	33	-84.8%	6	-16.7%
EIA FLAT TAX ONHWAY DIESE	A5	3,937	1,687	133.4%	4,309	-8.6%
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	212	726	-70.8%	258	-17.8%
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	3,954	13,298	-70.3%	4,706	-16.0%
ELECTRICITY OFF PEAK	4P	0	39,540	-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	0	0	-	0	-
ETHANOL	Z1B	0	0	-	0	-
ETHANOL SWAP	MT2	615	240	156.3%	487	26.3%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	5,580	5,270	5.9%	5,022	11.1%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	KR	0	11	-100.0%	0	-
EURO 3.5% FUEL OIL SPREAD	FK	0	22	-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	310	-100.0%	0	-
EUROPE 1% FUEL OIL RDAM C	UH	0	3	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	52	-100.0%	0	-
EUROPE 3.5% FUEL OIL RDAM	UV	1,108	4,975	-77.7%	1,239	-10.6%
EUROPEAN GASOIL (ICE)	7F	104	68	52.9%	120	-13.3%
EUROPEAN NAPHTHA BALMO	KZ	3	8	-62.5%	10	-70.0%
EUROPEAN NAPHTHA CRACK SPR	EN	3,775	9,498	-60.3%	3,919	-3.7%
EUROPE DATED BRENT SWAP	UB	35	525	-93.3%	35	0.0%
EUROPE JET KERO NWE CALSW	UJ	0	16	-100.0%	0	-
EUROPE NAPHTHA CALSWAP	UN	917	2,036	-55.0%	859	6.8%
EURO PROPANE CIF ARA SWA	PS	2,443	2,547	-4.1%	2,396	2.0%
FREIGHT MARKETS	ACB	385	420	-8.3%	450	-14.4%
FREIGHT MARKETS	BF1	0	0	-	0	-
FREIGHT MARKETS	BF2	253	0	-	263	-3.8%
FREIGHT MARKETS	BF3	0	0	-	0	-
FREIGHT MARKETS	FLP	910	981	-7.2%	968	-6.0%
FREIGHT MARKETS	FRC	50	565	-91.2%	60	-16.7%
FREIGHT MARKETS	FRS	0	20	-100.0%	0	-
FREIGHT MARKETS	T2D	825	1,460	-43.5%	1,310	-37.0%
FREIGHT MARKETS	T7C	0	0	-	0	0.0%
FREIGHT MARKETS	TC6	0	0	-	0	-
FREIGHT MARKETS	TD3	0	70	-100.0%	0	-
FREIGHT MARKETS	TD8	0	0	-	0	-
FREIGHT MARKETS	USC	0	160	-100.0%	0	-
FUEL OIL CRACK VS ICE	FO	3,321	9,093	-63.5%	3,689	-10.0%
FUEL OIL NWE CRACK VS ICE	FI	65	156	-58.3%	78	-16.7%



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Energy Futures						
FUEL OIL (PLATS) CAR CM	1W	0	5	-100.0%	0	-
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-
FUELOIL SWAP:CARGOES VS.B	FS	228	675	-66.2%	248	-8.1%
GAS EURO-BOB OXY NWE BARGES	7H	2,701	4,720	-42.8%	2,791	-3.2%
GAS EURO-BOB OXY NWE BARGES CRK	7K	18,169	24,131	-24.7%	19,525	-6.9%
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	35	14	150.0%	45	-22.2%
GASOIL 10PPM VS ICE SWAP	TP	0	17	-100.0%	0	-
GASOIL CALENDAR SWAP	GX	58	65	-10.8%	62	-6.5%
GASOIL CRACK SPREAD CALEN	GZ	4,166	11,854	-64.9%	4,713	-11.6%
GASOIL MINI CALENDAR SWAP	QA	1,104	1,020	8.2%	1,048	5.3%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	1,542	1,410	9.4%	1,659	-7.1%
GROUP THREE ULSD (PLATTS)	A7	0	20	-100.0%	0	-
GROUP THREE UNLEAD GAS (P	A9	0	300	-100.0%	0	-
GRP THREE ULSD(PLT)VS HEA	A6	7,529	9,519	-20.9%	8,802	-14.5%
GRP THREE UNL GS (PLT) VS	A8	3,100	2,687	15.4%	3,025	2.5%
GULF COAST 3% FUEL OIL BA	VZ	291	623	-53.3%	0	-
GULF COAST JET FUEL CLNDR	GE	2,341	328	613.7%	1,362	71.9%
GULF COAST JET VS NYM 2 H	ME	18,393	30,980	-40.6%	21,055	-12.6%
GULF COAST NO.6 FUEL OIL	MF	11,988	19,199	-37.6%	13,143	-8.8%
GULF COAST NO.6 FUEL OIL	MG	175	851	-79.4%	210	-16.7%
GULF COAST ULSD CALENDAR	LY	5,197	1,561	232.9%	5,527	-6.0%
GULF COAST ULSD CRACK SPR	GY	420	365	15.1%	480	-12.5%
HEATING OIL BALMO CLNDR S	1G	10	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	1,220	2,867	-57.4%	1,840	-33.7%
HENRY HUB FINANCIAL LAST	NBP	75	0	-	0	-
HENRY HUB FINANCIAL LAST	TTE	0	0	-	0	-
HENRY HUB INDEX SWAP FUTU	IN	2,576	4,262	-39.6%	3,444	-25.2%
HENRY HUB SWAP	NN	719,345	876,358	-17.9%	721,835	-0.3%
HOUSTON SHIP CHANNEL BASI	NH	3,411	7,929	-57.0%	3,814	-10.6%
ICE BRENT DUBAI SWAP	DB	15,230	42,275	-64.0%	17,978	-15.3%
IN DELIVERY MONTH EUA	6T	0	0	-	0	-
INDIANA MISO	FAD	0	0	-	0	-
INDIANA MISO	FTD	672	3,000	-77.6%	672	0.0%
INDIANA MISO	PDD	27	242	-88.8%	33	-18.2%
INDIANA MISO	PTD	42	455	-90.8%	49	-14.3%
INDONESIAN COAL ICI4	ICI	411	878	-53.2%	487	-15.6%
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	402	1,347	-70.2%	339	18.6%
JAPAN NAPHTHA BALMO SWAP	E6	0	39	-100.0%	5	-100.0%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-
JET CIF NWE VS ICE	JC	25	206	-87.9%	30	-16.7%
JET FUEL CRG CIF NEW VS I	6X	0	0	-	0	-
JET FUEL UP-DOWN BALMO CL	1M	990	2,575	-61.6%	1,045	-5.3%
JKM LNG Futures	JKM	4,908	6,677	-26.5%	4,427	10.9%
LA CARB DIESEL (OPIS) SWA	KL	402	74	443.2%	415	-3.1%



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Energy Futures						
LA CARBOB GASOLINE(OPIS)S	JL	0	375	-100.0%	0	-
LA JET (OPIS) SWAP	JS	821	1,704	-51.8%	945	-13.1%
LLS (ARGUS) CALENDAR SWAP	XA	142	360	-60.6%	159	-10.7%
LLS (ARGUS) VS WTI SWAP	WJ	7,251	15,598	-53.5%	8,243	-12.0%
LOS ANGELES CARB GASOLINE	MH	0	0	-	15	-100.0%
MARS (ARGUS) VS WTI SWAP	YX	250	4,415	-94.3%	300	-16.7%
MARS (ARGUS) VS WTI TRD M	YV	14,887	20,597	-27.7%	16,832	-11.6%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTF	18,408	23,378	-21.3%	18,831	-2.2%
MCCLOSKEY RCH BAY COAL	MFF	1,601	3,228	-50.4%	1,777	-9.9%
MGF FUT	MGF	0	0	-	0	-
MGN1 SWAP FUT	MGN	175	440	-60.2%	190	-7.9%
MICHIGAN BASIS	NF	244	1,525	-84.0%	368	-33.7%
MICHIGAN MISO	HMO	0	0	-	0	-
MICHIGAN MISO	HMW	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	10	532	-98.1%	50	-80.0%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	59	0	-	0	-
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	1,084	3,082	-64.8%	1,111	-2.4%
MJC FUT	MJC	25	125	-80.0%	30	-16.7%
MNC FUT	MNC	1,161	5,032	-76.9%	1,393	-16.7%
MONT BELVIEU ETHANE 5 DECIMAL	C0	65,284	40,488	61.2%	59,104	10.5%
MONT BELVIEU ETHANE OPIS BALMO	8C	400	60	566.7%	320	25.0%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	137,017	147,723	-7.2%	134,118	2.2%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,003	2,405	-58.3%	1,118	-10.3%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	37,906	15,301	147.7%	36,913	2.7%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	795	405	96.3%	834	-4.7%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	62,894	58,158	8.1%	61,910	1.6%
MONT BELVIEU NORMAL BUTANE BALMO	8J	647	1,353	-52.2%	1,290	-49.8%
NAT GAS BASIS SWAP	TZ6	0	854	-100.0%	0	-
NATURAL GAS	XIC	0	0	-	0	-
NATURAL GAS PEN SWP	NP	199,712	131,815	51.5%	189,425	5.4%
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	207,843	355,001	-41.5%	221,283	-6.1%
NEPOOL INTR HUB 5MW D AH	U6	9,855	18,223	-45.9%	10,590	-6.9%
NEPOOL NE MASS 5MW D AH O	P8	0	5,931	-100.0%	0	-
NEPOOL NE MASS 5MW D AH P	P7	0	318	-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	1,120	1,054	6.3%	1,120	0.0%
NEW YORK ETHANOL SWAP	EZ	1,008	1,172	-14.0%	1,494	-32.5%
NEW YORK HUB ZONE G PEAK	GN	1,312	1,058	24.0%	1,312	0.0%
NEW YORK HUB ZONE J PEAK	JN	256	1,250	-79.5%	256	0.0%
NGPL MID-CONTINENT	NL	520	7,396	-93.0%	520	0.0%
NGPL TEX/OK	PD	120	9,492	-98.7%	120	0.0%
N ILLINOIS HUB DAILY	UD	10	98	-89.8%	10	0.0%
N ILLINOIS HUB MTHLY	UM	0	0	-	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	0	0	-	0	-
NORTHEN NATURAL GAS DEMAR	PE	0	122	-100.0%	0	-
NORTHEN NATURAL GAS VENTU	PF	0	366	-100.0%	0	-



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Energy Futures						
NORTHWEST ROCKIES BASIS S	NR	244	5,977	-95.9%	306	-20.3%
N ROCKIES PIPE SWAP	XR	0	0	-	0	-
NY1% VS GC SPREAD SWAP	VR	676	2,322	-70.9%	824	-18.0%
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	11,178	8,716	28.2%	12,280	-9.0%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	665	840	-20.8%	690	-3.6%
NY HARBOR RESIDUAL FUEL 1	MM	1,132	1,303	-13.1%	1,262	-10.3%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	3,261	2,270	43.7%	3,650	-10.7%
NYISO CAPACITY	LHV	104	568	-81.7%	125	-16.8%
NYISO CAPACITY	NNC	0	62	-100.0%	0	-
NYISO CAPACITY	NRS	0	122	-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	2,370	11,714	-79.8%	3,138	-24.5%
NYISO ZONE A 5MW D AH PK	K3	0	768	-100.0%	0	-
NYISO ZONE G 5MW D AH O P	D2	120,410	443,754	-72.9%	142,298	-15.4%
NYISO ZONE G 5MW D AH PK	T3	10,824	22,230	-51.3%	11,685	-7.4%
NYISO ZONE J 5MW D AH O P	D4	3,555	49,566	-92.8%	4,707	-24.5%
NYISO ZONE J 5MW D AH PK	D3	512	4,296	-88.1%	680	-24.7%
NYMEX ALUMINUM FUTURES	AN	0	372	-100.0%	0	-
NYMEX ULSD VS NYMEX HO	UY	0	0	-	100	-100.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	1,893	465	307.1%	1,874	1.0%
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	573	2,287	-74.9%	640	-10.5%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-
PERMIAN BASIS SWAP	PM	1,098	3,660	-70.0%	1,377	-20.3%
PETROCHEMICALS	22	57	141	-59.6%	15	280.0%
PETROCHEMICALS	32	83	67	23.9%	56	48.2%
PETROCHEMICALS	3NA	14	22	-36.4%	8	75.0%
PETROCHEMICALS	51	13	42	-69.0%	6	116.7%
PETROCHEMICALS	81	0	0	-	0	-
PETROCHEMICALS	8I	6,985	5,254	32.9%	6,493	7.6%
PETROCHEMICALS	91	741	753	-1.6%	818	-9.4%
PETROCHEMICALS	MAA	320	15	2,033.3%	370	-13.5%
PETROCHEMICALS	MAE	2,124	1,291	64.5%	2,076	2.3%
PETROCHEMICALS	MAS	556	612	-9.2%	405	37.3%
PETROCHEMICALS	MBE	160	535	-70.1%	410	-61.0%
PETROCHEMICALS	MNB	1,452	1,819	-20.2%	1,594	-8.9%
PETROCHEMICALS	MPS	1,612	630	155.9%	1,095	47.2%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	50	-100.0%	0	-
PETRO CRCKS & SPRDS ASIA	STR	100	615	-83.7%	120	-16.7%
PETRO CRCKS & SPRDS ASIA	STS	275	254	8.3%	300	-8.3%
PETRO CRCKS & SPRDS NA	CRB	17,609	10,303	70.9%	19,686	-10.6%
PETRO CRCKS & SPRDS NA	EXR	1,182	3,754	-68.5%	1,087	8.7%
PETRO CRCKS & SPRDS NA	FOC	300	1,850	-83.8%	360	-16.7%
PETRO CRCKS & SPRDS NA	GBB	175	225	-22.2%	0	-

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest AUG 2020	Open Interest AUG 2019	% CHG	Open Interest JUL 2020	% CHG	
Energy Futures						
PETRO CRCKS & SPRDS NA	GCC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCI	520	2,662	-80.5%	311	67.2%
PETRO CRCKS & SPRDS NA	GCM	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCU	4,727	11,084	-57.4%	5,279	-10.5%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	8,233	11,991	-31.3%	8,375	-1.7%
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	10,006	16,037	-37.6%	10,159	-1.5%
PETRO CRCKS & SPRDS NA	RVG	5,022	14,005	-64.1%	5,602	-10.4%
PETRO CRCKS & SPRDS NA	SF3	0	211	-100.0%	0	-
PETRO CRK&SPRD EURO	1NB	1,050	1,723	-39.1%	1,425	-26.3%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-
PETRO CRK&SPRD EURO	43	0	0	-	0	-
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-
PETRO CRK&SPRD EURO	BOB	1,378	2,876	-52.1%	1,580	-12.8%
PETRO CRK&SPRD EURO	EOB	6	28	-78.6%	11	-45.5%
PETRO CRK&SPRD EURO	EPN	886	1,571	-43.6%	890	-0.4%
PETRO CRK&SPRD EURO	EVC	172	2,675	-93.6%	210	-18.1%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-
PETRO CRK&SPRD EURO	FVB	0	30	-100.0%	0	-
PETRO CRK&SPRD EURO	GCB	0	100	-100.0%	0	-
PETRO CRK&SPRD EURO	GOC	5	17	-70.6%	6	-16.7%
PETRO CRK&SPRD EURO	MGB	0	30	-100.0%	0	-
PETRO CRK&SPRD EURO	MUD	80	100	-20.0%	110	-27.3%
PETRO CRK&SPRD EURO	NBB	0	0	-	0	-
PETRO CRK&SPRD EURO	NOB	600	1,477	-59.4%	637	-5.8%
PETRO CRK&SPRD EURO	SFB	0	0	-	0	-
PETROLEUM PRODUCTS	1NM	150	155	-3.2%	230	-34.8%
PETROLEUM PRODUCTS	EWG	800	2,875	-72.2%	775	3.2%
PETROLEUM PRODUCTS	H5F	249	0	-	264	-5.7%
PETROLEUM PRODUCTS	JCC	1,750	0	-	2,110	-17.1%
PETROLEUM PRODUCTS	MME	60	0	-	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	NCC	0	0	-	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	0	-
PETROLEUM PRODUCTS	R5F	43	0	-	40	7.5%
PETROLEUM PRODUCTS	S53	44	27	63.0%	48	-8.3%
PETROLEUM PRODUCTS	UP5	135	0	-	153	-11.8%
PETROLEUM PRODUCTS	VU	0	142	-100.0%	14	-100.0%
PETROLEUM PRODUCTS ASIA	E6M	0	60	-100.0%	0	-
PETROLEUM PRODUCTS ASIA	MJN	1,518	2,239	-32.2%	1,308	16.1%
PETROLEUM PRODUCTS ASIA	MSB	0	20	-100.0%	0	-
PETRO OUTRIGHT EURO	0B	97	161	-39.8%	104	-6.7%
PETRO OUTRIGHT EURO	0C	0	30	-100.0%	0	-
PETRO OUTRIGHT EURO	0D	867	2,517	-65.6%	784	10.6%
PETRO OUTRIGHT EURO	0E	0	0	-	0	-
PETRO OUTRIGHT EURO	0F	15	695	-97.8%	45	-66.7%
PETRO OUTRIGHT EURO	1T	0	16	-100.0%	0	-
PETRO OUTRIGHT EURO	33	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	0	0	-	0	-



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest AUG 2020	Open Interest AUG 2019	% CHG	Open Interest JUL 2020	% CHG	
Energy Futures						
PETRO OUTRIGHT EURO	63	0	-	0	-	
PETRO OUTRIGHT EURO	7I	0	-	0	-	
PETRO OUTRIGHT EURO	7R	18	-75.0%	0	-	
PETRO OUTRIGHT EURO	88	0	-	0	-	
PETRO OUTRIGHT EURO	CBB	0	-100.0%	0	-	
PETRO OUTRIGHT EURO	CGB	0	-	0	-	
PETRO OUTRIGHT EURO	CPB	325	364.3%	60	441.7%	
PETRO OUTRIGHT EURO	EFF	0	-100.0%	0	-	
PETRO OUTRIGHT EURO	EFM	0	-100.0%	0	-	
PETRO OUTRIGHT EURO	ENS	15	-70.6%	18	-16.7%	
PETRO OUTRIGHT EURO	EWN	22	-95.8%	27	-18.5%	
PETRO OUTRIGHT EURO	FLB	0	-	0	-	
PETRO OUTRIGHT EURO	GES	0	-	0	-	
PETRO OUTRIGHT EURO	GNO	0	-	0	-	
PETRO OUTRIGHT EURO	H5G	440	266.7%	522	-15.7%	
PETRO OUTRIGHT EURO	JFB	0	-	0	-	
PETRO OUTRIGHT EURO	M1B	3,032	-	2,589	17.1%	
PETRO OUTRIGHT EURO	M35	0	-	0	-	
PETRO OUTRIGHT EURO	MBB	0	-	30	-100.0%	
PETRO OUTRIGHT EURO	MBN	1,464	-43.1%	1,632	-10.3%	
PETRO OUTRIGHT EURO	MEF	290	-56.6%	310	-6.5%	
PETRO OUTRIGHT EURO	R53	30	-44.4%	36	-16.7%	
PETRO OUTRIGHT EURO	R5B	0	-	0	-	
PETRO OUTRIGHT EURO	R5M	1,175	90.4%	1,367	-14.0%	
PETRO OUTRIGHT EURO	R5O	2,404	936.2%	2,997	-19.8%	
PETRO OUTRIGHT EURO	RBM	10	-	10	0.0%	
PETRO OUTRIGHT EURO	S5B	0	-	1	-100.0%	
PETRO OUTRIGHT EURO	S5F	341	1,382.6%	344	-0.9%	
PETRO OUTRIGHT EURO	S5M	3,704	469	689.8%	3,671	0.9%
PETRO OUTRIGHT EURO	S5O	1,779	6	29,550.0%	1,659	7.2%
PETRO OUTRIGHT EURO	SMU	50	500	-90.0%	60	-16.7%
PETRO OUTRIGHT EURO	T0	0	9	-100.0%	0	-
PETRO OUTRIGHT EURO	T2B	0	0	-	0	-
PETRO OUTRIGHT EURO	TMB	0	50	-100.0%	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	0	0	125	-100.0%	
PETRO OUTRIGHT NA	BCR	175	0	425	-58.8%	
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	720	60	1,100.0%	765	-5.9%
PETRO OUTRIGHT NA	JET	1,900	2,412	-21.2%	850	123.5%
PETRO OUTRIGHT NA	JTB	0	475	-100.0%	0	-
PETRO OUTRIGHT NA	MBL	225	0	241	-6.6%	
PETRO OUTRIGHT NA	MEN	0	10	-100.0%	68	-100.0%
PETRO OUTRIGHT NA	MEO	1,218	4,146	-70.6%	2,211	-44.9%
PETRO OUTRIGHT NA	MFD	25	90	-72.2%	30	-16.7%
PETRO OUTRIGHT NA	MMF	0	54	-100.0%	0	-



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest AUG 2020	Open Interest AUG 2019	% CHG	Open Interest JUL 2020	% CHG
Energy Futures						
PETRO OUTRIGHT NA	XER	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	70,255	175,370	-59.9%	76,375	-8.0%
PJM AD HUB 5MW REAL TIME	Z9	6,125	14,945	-59.0%	7,007	-12.6%
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	354	918	-61.4%	354	0.0%
PJM DAYTON DA OFF-PEAK	R7	11,850	52,645	-77.5%	15,690	-24.5%
PJM DAYTON DA PEAK	D7	640	3,210	-80.1%	850	-24.7%
PJM NI HUB 5MW REAL TIME	B3	2,985	7,001	-57.4%	3,090	-3.4%
PJM NI HUB 5MW REAL TIME	B6	54,485	100,115	-45.6%	56,525	-3.6%
PJM NILL DA OFF-PEAK	L3	0	40,290	-100.0%	0	-
PJM NILL DA PEAK	N3	0	2,496	-100.0%	0	-
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	-	0	-
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	2,120	-100.0%	0	-
PJM PSEG DA OFF-PEAK	W6	0	49,425	-100.0%	0	-
PJM PSEG DA PEAK	L6	0	2,650	-100.0%	0	-
PJM WESTH DA OFF-PEAK	E4	2,370	86,284	-97.3%	3,138	-24.5%
PJM WESTHDA PEAK	J4	128	4,682	-97.3%	170	-24.7%
PJM WESTH RT OFF-PEAK	N9	343,105	552,799	-37.9%	353,305	-2.9%
PJM WESTH RT PEAK	L1	34,722	77,138	-55.0%	38,439	-9.7%
PLASTICS	PGP	4,261	3,147	35.4%	4,476	-4.8%
PREMIUM UNLND 10P FOB MED	3G	21	168	-87.5%	21	0.0%
PREMIUM UNLEAD 10PPM FOB	8G	0	32	-100.0%	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	612	985	-37.9%	863	-29.1%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	54,696	56,166	-2.6%	53,058	3.1%
RBOB CALENDAR SWAP	RL	11,491	13,643	-15.8%	13,900	-17.3%
RBOB CRACK SPREAD	RM	2,605	3,200	-18.6%	3,385	-23.0%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	262	765	-65.8%	1,031	-74.6%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-
RBOB VS HEATING OIL SWAP	RH	440	50	780.0%	750	-41.3%
SAN JUAN BASIS SWAP	NJ	122	2,197	-94.4%	184	-33.7%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-
SINGAPORE 180CST BALMO	BS	0	20	-100.0%	0	-
SINGAPORE 380CST BALMO	BT	0	293	-100.0%	0	-
SINGAPORE 380CST FUEL OIL	SE	358	4,860	-92.6%	492	-27.2%
SINGAPORE FUEL 180CST CAL	UA	18	431	-95.8%	27	-33.3%
SINGAPORE FUEL OIL SPREAD	SD	95	158	-39.9%	120	-20.8%
SINGAPORE GASOIL	MAF	322	4,542	-92.9%	265	21.5%
SINGAPORE GASOIL	MTB	0	62	-100.0%	0	-
SINGAPORE GASOIL	MTS	514	6,517	-92.1%	653	-21.3%
SINGAPORE GASOIL	SBM	61	0	-	102	-40.2%
SINGAPORE GASOIL	STZ	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest AUG 2020	Open Interest AUG 2019	% CHG	Open Interest JUL 2020	% CHG
Energy Futures						
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	1,815	395	359.5%	1,664	9.1%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-
SINGAPORE GASOIL SWAP	SG	1,070	810	32.1%	1,100	-2.7%
SINGAPORE GASOIL VS ICE	GA	2,776	9,295	-70.1%	3,309	-16.1%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	0	2,800	-100.0%	0	-
SINGAPORE JET KEROSENE SW	KS	390	1,165	-66.5%	705	-44.7%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	150	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	8,153	8,950	-8.9%	8,274	-1.5%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-
SING FUEL	MSD	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-
Sumas Basis Swap	NK	0	1,065	-100.0%	0	-
TC2 ROTTERDAM TO USAC 37K	TM	75	587	-87.2%	90	-16.7%
TC5 RAS TANURA TO YOKOHAM	TH	405	1,034	-60.8%	495	-18.2%
TCO BASIS SWAP	TC	244	2,196	-88.9%	368	-33.7%
TD3 MEG TO JAPAN 250K MT	TL	5,862	13,233	-55.7%	6,648	-11.8%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-
Tetco STX Basis	TX	0	0	-	0	-
TEXAS EASTERN ZONE M-3 BA	NX	1,301	1,158	12.3%	306	325.2%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	-	0	-
Transco Zone 3 Basis	CZ	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	TR	503	2,072	-75.7%	630	-20.2%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	-	0	-
UCM FUT	UCM	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	225	90	150.0%	241	-6.6%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	4,098	2,555	60.4%	2,365	73.3%
UP DOWN GC ULSD VS NMX HO	LT	64,431	59,685	8.0%	71,344	-9.7%
WAHA BASIS	NW	157	1,007	-84.4%	224	-29.9%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-
WTI-BRENT BULLET SWAP	BY	34	1,559	-97.8%	51	-33.3%
WTI-BRENT CALENDAR SWAP	BK	100,623	160,572	-37.3%	99,880	0.7%
WTI CALENDAR	CS	162,471	174,244	-6.8%	169,994	-4.4%
WTI MIDLAND CRUDE OIL	WTL	150	0	-	200	-25.0%
WTS (ARGUS) VS WTI SWAP	FF	76,808	65,038	18.1%	80,230	-4.3%
WTS (ARGUS) VS WTI TRD MT	FH	9,867	5,341	84.7%	9,272	6.4%
Energy Options						
BRENT 1 MONTH CAL	AA	0	0	-	0	-
BRENT CALENDAR SWAP	BA	2,809	8,960	-68.6%	5,058	-44.5%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	9C	10,200	13,260	-23.1%	11,700	-12.8%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-
BRENT OIL LAST DAY	BE	103,462	52,105	98.6%	61,150	69.2%
BRENT OIL LAST DAY	BZO	64,801	182,652	-64.5%	60,539	7.0%
BRENT OIL LAST DAY	OS	0	50	-100.0%	0	-
COAL API2 INDEX	CLA	0	330	-100.0%	0	-
COAL API2 INDEX	CQA	0	100	-100.0%	0	-
COAL API4 INDEX	RLA	0	0	-	0	-

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest AUG 2020	Open Interest AUG 2019	% CHG	Open Interest JUL 2020	% CHG
Energy Options						
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	470,380	629,300	-25.3%	432,397	8.8%
CRUDE OIL APO	AO	305,857	358,187	-14.6%	327,300	-6.6%
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	33,380	43,337	-23.0%	38,791	-13.9%
CRUDE OIL PHY	LO	1,710,066	2,128,667	-19.7%	1,955,470	-12.5%
CRUDE OIL PHY	LO1	2,458	2,857	-14.0%	2,747	-10.5%
CRUDE OIL PHY	LO2	256	506	-49.4%	107	139.3%
CRUDE OIL PHY	LO3	32	46	-30.4%	27	18.5%
CRUDE OIL PHY	LO4	0	0	-	0	-
CRUDE OIL PHY	LO5	0	0	0.0%	0	0.0%
ETHANOL	CE1	0	0	-	0	-
ETHANOL	CE3	0	0	-	0	-
ETHANOL SWAP	CVR	10,990	21,003	-47.7%	10,405	5.6%
ETHANOL SWAP	GVR	525	1,070	-50.9%	690	-23.9%
FREIGHT MARKETS	TDT	0	0	-	0	-
HEATING OIL PHY	LB	354	209	69.4%	428	-17.3%
HEATING OIL PHY	OH	14,516	41,859	-65.3%	20,964	-30.8%
HENRY HUB FINANCIAL LAST	E7	33,475	10,890	207.4%	31,323	6.9%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	-	0	-
LLS CRUDE OIL	WJO	0	0	-	0	-
LLS CRUDE OIL	YVO	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTO	5,167	0	-	5,517	-6.3%
MCCLOSKEY RCH BAY COAL	MFO	0	500	-100.0%	100	-100.0%
NATURAL GAS 1 M CSO FIN	G4	92,575	111,850	-17.2%	120,950	-23.5%
NATURAL GAS 2 M CSO FIN	G2	5,100	1,075	374.4%	5,100	0.0%
NATURAL GAS 3 M CSO FIN	G3	149,785	56,400	165.6%	157,110	-4.7%
NATURAL GAS 5 M CSO FIN	G5	1,000	1,600	-37.5%	0	-
NATURAL GAS 6 M CSO FIN	G6	14,400	13,750	4.7%	0	-
NATURAL GAS OPT	TFO	85,060	0	-	96,900	-12.2%
NATURAL GAS OPTION ON CALENDAR STRP	6J	20,620	17,064	20.8%	20,420	1.0%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	2,401,105	1,685,670	42.4%	2,403,687	-0.1%
NATURAL GAS PHY	ON	62,160	73,768	-15.7%	74,561	-16.6%
NATURAL GAS SUMMER STRIP	4D	400	0	-	400	0.0%
NATURAL GAS WINTER STRIP	6I	600	1,500	-60.0%	600	0.0%
N ROCKIES PIPE SWAP	ZR	0	3,930	-100.0%	0	-
NY HARBOR HEAT OIL SWP	AT	9,392	13,246	-29.1%	10,842	-13.4%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-
PETROCHEMICALS	4H	603	4,215	-85.7%	603	0.0%
PETROCHEMICALS	4J	630	375	68.0%	630	0.0%
PETROCHEMICALS	4K	0	80	-100.0%	0	-
PETROCHEMICALS	CPR	42	20	110.0%	63	-33.3%
PETRO OUTRIGHT EURO	8H	0	0	-	0	-
PETRO OUTRIGHT EURO	BCO	10	24	-58.3%	12	-16.7%



NYMEX/COMEX Exchange Open Interest Report - Monthly

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Energy Options					
PETRO OUTRIGHT NA	1N5	200	0	-	200 0.0%
PETRO OUTRIGHT NA	DAP	930	650	43.1%	990 -6.1%
PJM WES HUB PEAK CAL MTH	6OA	1,510	1,260	19.8%	1,510 0.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0 -
PJM WES HUB PEAK LMP 50MW	PMA	512	555	-7.7%	512 0.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0 -
RBOB CALENDAR SWAP	RA	502	140	258.6%	499 0.6%
RBOB CRACK	RX	0	0	-	0 -
RBOB PHY	OB	6,999	12,103	-42.2%	8,619 -18.8%
RBOB PHY	RF	130	0	-	290 -55.2%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0 -
SAN JUAN PIPE SWAP	PJ	0	2,970	-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	0	-	0 -
SHORT TERM NATURAL GAS	U02	0	0	-	0 -
SHORT TERM NATURAL GAS	U03	0	100	-100.0%	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 -
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0 -
SINGAPORE JET FUEL CALEND	N2	0	0	-	0 -
WTI-BRENT BULLET SWAP	BV	157,015	165,475	-5.1%	168,200 -6.6%
WTI CRUDE OIL 1 M CSO FI	7A	236,310	142,730	65.6%	253,385 -6.7%
Metals Futures					
COMEX GOLD	GC	544,006	610,294	-10.9%	559,609 -2.8%

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest AUG 2020	Open Interest AUG 2019	% CHG	Open Interest JUL 2020	% CHG
Metals Futures						
NYMEX HOT ROLLED STEEL	HR	23,515	15,201	54.7%	21,869	7.5%
NYMEX PLATINUM	PL	59,911	84,830	-29.4%	54,287	10.4%
PALLADIUM	PA	9,687	20,728	-53.3%	10,189	-4.9%
URANIUM	UX	310	2,810	-89.0%	322	-3.7%
COMEX SILVER	SI	165,543	218,872	-24.4%	193,375	-14.4%
COMEX E-Mini GOLD	QO	3,430	1,721	99.3%	1,830	87.4%
COMEX E-Mini SILVER	QI	687	355	93.5%	693	-0.9%
COMEX COPPER	HG	231,031	258,903	-10.8%	229,957	0.5%
COMEX MINY COPPER	QC	299	64	367.2%	119	151.3%
ALUMINUM	A38	0	78	-100.0%	0	-
ALUMINUM	AEP	10,405	9,619	8.2%	10,640	-2.2%
ALUMINUM	ALA	516	395	30.6%	639	-19.2%
ALUMINUM	ALI	215	276	-22.1%	176	22.2%
ALUMINUM	AUP	36,020	24,286	48.3%	37,975	-5.1%
ALUMINUM	CUP	0	0	-	0	-
ALUMINUM	EDP	13,458	10,536	27.7%	14,552	-7.5%
ALUMINUM	MJP	4,235	7,302	-42.0%	4,205	0.7%
COPPER	HGS	19,149	9,872	94.0%	19,765	-3.1%
FERROUS PRODUCTS	BUS	3,960	2,305	71.8%	3,958	0.1%
GOLD	4GC	134	0	-	58	131.0%
GOLD	SGC	282	0	-	140	101.4%
GOLD	SGU	638	0	-	128	398.4%
Gold Kilo	GCK	0	0	-	0	-
HOT ROLLED COIL STEEL FUTURES	EHR	925	0	-	910	1.6%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	0	5,711	-100.0%	0	-
IRON ORE CHINA	TIO	3,197	0	-	3,195	0.1%
LNDN ZINC	ZNC	0	0	0.0%	0	-
METALS	HDG	20	0	-	25	-20.0%
MICRO GOLD	MGC	50,287	19,175	162.3%	25,147	100.0%
SILVER	SIL	4,645	2,478	87.4%	4,804	-3.3%
Metals Options						
ALUMINUM	ALO	120	0	-	150	-20.0%
COMEX COPPER	HX	12,572	29,367	-57.2%	17,632	-28.7%
COMEX GOLD	OG	1,229,348	1,704,924	-27.9%	1,243,838	-1.2%
COMEX SILVER	SO	132,626	226,586	-41.5%	134,185	-1.2%
COPPER	H1E	0	146	-100.0%	0	-
COPPER	H2E	0	161	-100.0%	0	-
COPPER	H3E	0	0	-	0	-
COPPER	H4E	0	0	-	0	-
COPPER	H5E	0	0	0.0%	0	-
GOLD	OG1	9,942	17,209	-42.2%	10,833	-8.2%
GOLD	OG2	3,316	5,620	-41.0%	3,155	5.1%
GOLD	OG3	1,307	2,324	-43.8%	1,216	7.5%
GOLD	OG4	0	0	-	0	-
GOLD	OG5	0	0	0.0%	0	0.0%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	700	-100.0%	0	-
HOT ROLLED COIL STEEL PUT OPTION	HRO	0	0	-	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	1,260	-100.0%	0	-
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	625	-100.0%	0	-
IRON ORE CHINA	ICT	3,770	0	-	4,880	-22.7%
NYMEX HOT ROLLED STEEL	HRO	325	0	-	50	550.0%



NYMEX/COMEX Exchange Open Interest Report - Monthly

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Metals Options					
NYMEX PLATINUM	2,959	9,105	-67.5%	2,468	19.9%
PALLADIUM	1,236	1,719	-28.1%	1,315	-6.0%
SILVER	1,121	746	50.3%	639	75.4%
SILVER	365	423	-13.7%	563	-35.2%
SILVER	251	245	2.4%	203	23.6%
SILVER	9	0	-	0	-
SILVER	0	0	0.0%	0	0.0%
TOTAL FUTURES GROUP					
Ag Products Futures	3	3	0.0%	0	-
Energy Futures	8,100,659	9,981,006	-18.8%	8,173,852	-0.9%
Metals Futures	1,186,505	1,305,811	-9.1%	1,198,567	-1.0%
TOTAL FUTURES	9,287,167	11,286,820	-17.7%	9,372,419	-0.9%
TOTAL OPTIONS GROUP					
Energy Options	6,016,368	5,806,788	3.6%	6,290,846	-4.4%
Metals Options	1,399,267	2,001,160	-30.1%	1,421,127	-1.5%
TOTAL OPTIONS	7,415,635	7,807,948	-5.0%	7,711,973	-3.8%
TOTAL COMBINED					
Ag Products	3	3	0.0%	0	-
Energy	14,117,027	15,787,794	-10.6%	14,464,698	-2.4%
Metals	2,585,772	3,306,971	-21.8%	2,619,694	-1.3%
GRAND TOTAL	16,702,802	19,094,768	-12.5%	17,084,392	-2.2%